

PUBLIC WATER SUPPLIES IN PUERTO RICO, 1983

By Fernando Gómez-Gómez, Ferdinand Quiñones, Marisol López

U.S. Geological Survey

and

Rafael Muñoz Candelario

University of Puerto Rico

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CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
Million gallons per year (Mgal/yr)	0.0027	Million gallons per day (Mgal/d)
Million gallons per year (Mgal/yr)	3.07	Acre-feet (Acre-ft)
Million gallons per year (Mgal/yr)	0.0317	Cubic feet per second (ft ³ /s)

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ABSTRACT

A compilation was made of public water supply facilities serving Puerto Rico's 78 municipios (municipalities). Information was obtained at the Puerto Rico Aqueduct and Sewer Authority which is responsible for development and operation of the island's public water supply system. Data on the facilities include the following: Cartesian coordinates, site name, annual production, and analyses for pH, color turbidity, and major dissolved constituents.

Facilities listed include 413 wells and 170 surface-water sites in operation. These provide about 370 million gallons per day of potable water to nearly 850,000 domestic, commercial, and industrial connections.

INTRODUCTION

During the last two decades the development and utilization of the water resources in Puerto Rico for public supply has increased from about 100 million gallons per day (Mgal/d) in 1960 to 370 Mgal/d at present. The Puerto Rico Aqueducts and Sewer Authority (PRASA) is responsible for the development of public water supplies in Puerto Rico. PRASA maintains an inventory of water supply facilities, including production totals and results of analyses to determine the quality of water at facilities. Although this information is extremely valuable to Commonwealth and Federal officials, consultants, engineers, scientists, and private citizens, it is not readily available.

In 1960, the U.S. Geological Survey, Water Resources Division, published a preliminary inventory of the public-water supplies in Puerto Rico (Arnold and Crooks, 1960). The report, prepared in cooperation with PRASA and other Commonwealth agencies, summarizes the data available as of 1959.

The need to update the 1960 report prompted the USGS to compile the information available from PRASA and other sources and make it available to the general public. The project was developed in cooperation with the Water Resources Research Institute of the University of Puerto Rico, and with PRASA. The assistance of Engineers Serafín Acevedo and Carlos García-Troche, and Nicolino Liberatore, PRASA, made this publication possible.

SUMMARY OF DATA FINDING

The inventory resulted in the following principal findings:

1. The public water-supply system operated by PRASA now provides about 370 Mgal/d of potable water.
2. Wells provide about 80 Mgal/d.
3. Within the past five years, PRASA has been augmenting the production of potable water by about 10 Mgal/d/yr.
4. The inventory showed a total of 413 wells and 170 surface-water treatment facilities.
5. Due to PRASA's complex distribution system, production from one municipio is not necessarily distributed within that municipio's geographical boundaries. This is more evident in the San Juan metropolitan area and adjacent municipios. Some municipios are totally dependent on others for their potable supply (finished water).
6. Chemical analyses are not available for all the public water supply sources, or some analyses date back many years.

EXPLANATION OF THE INFORMATION PUBLISHED

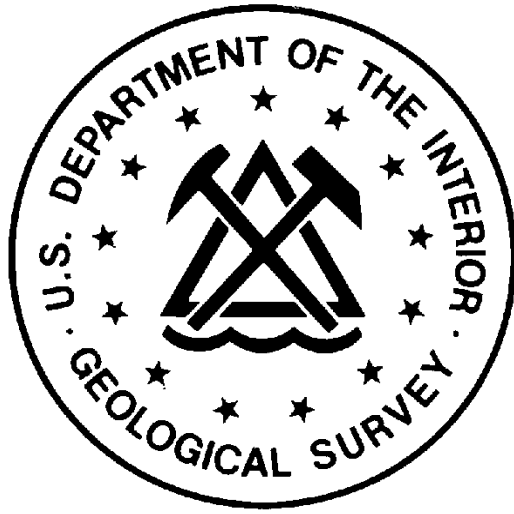
The information published in the tables of this report was obtained from PRASA files. The following explanatory notes should assist in the interpretation of the data:

1. Water production values shown as 0.00 do not necessarily represent zero production. Many of these sites, mostly wells, are used occasionally for production back-up.
2. The following municipios have no active public-water supply production (or treatment) facilities: Aguada, Cataño, Ceiba, and Vieques. These are supplied as follows: Aguada from Aguadilla, Cataño, from San Juan Metro system, Ceiba from Fajardo, and Vieques from Naguabo.
3. The chemical analyses were obtained from (PRASA) files.
4. Most of the analyses for surface-water supplies are from samples collected from the finished (production) water.
5. Well samples were collected at the well discharge.
6. The data does not indicate if parameters (such as pH, color, turbidity or alkalinity) were measured in the field or laboratory.

PUBLIC WATER SUPPLIES FACILITIES REFERENCES

The municipios and corresponding code numbers are shown in figure 1. The 1980 population census for each municipio is shown in table 1 in conjunction with the housing units count. Information on the estimated number of domestic, commercial, and industrial connections to PRASA's distribution network are also listed (table 1). The generalized location of each public-water supply facility serving the PRASA system is shown in figures 2 through 16. Site names of all the surface water facilities and public water supply wells are also included (tables 2A and 2B). Tabulated information for each municipio is presented in the U.S. Geological Survey municipio code number sequence beginning with Adjuntas (table 3) and ending with Florida (table 75).

Additional information on each public-water supply facility operated by PRASA can be obtained from the PRASA Operations Division, or from the U.S. Environmental Protection Agency.



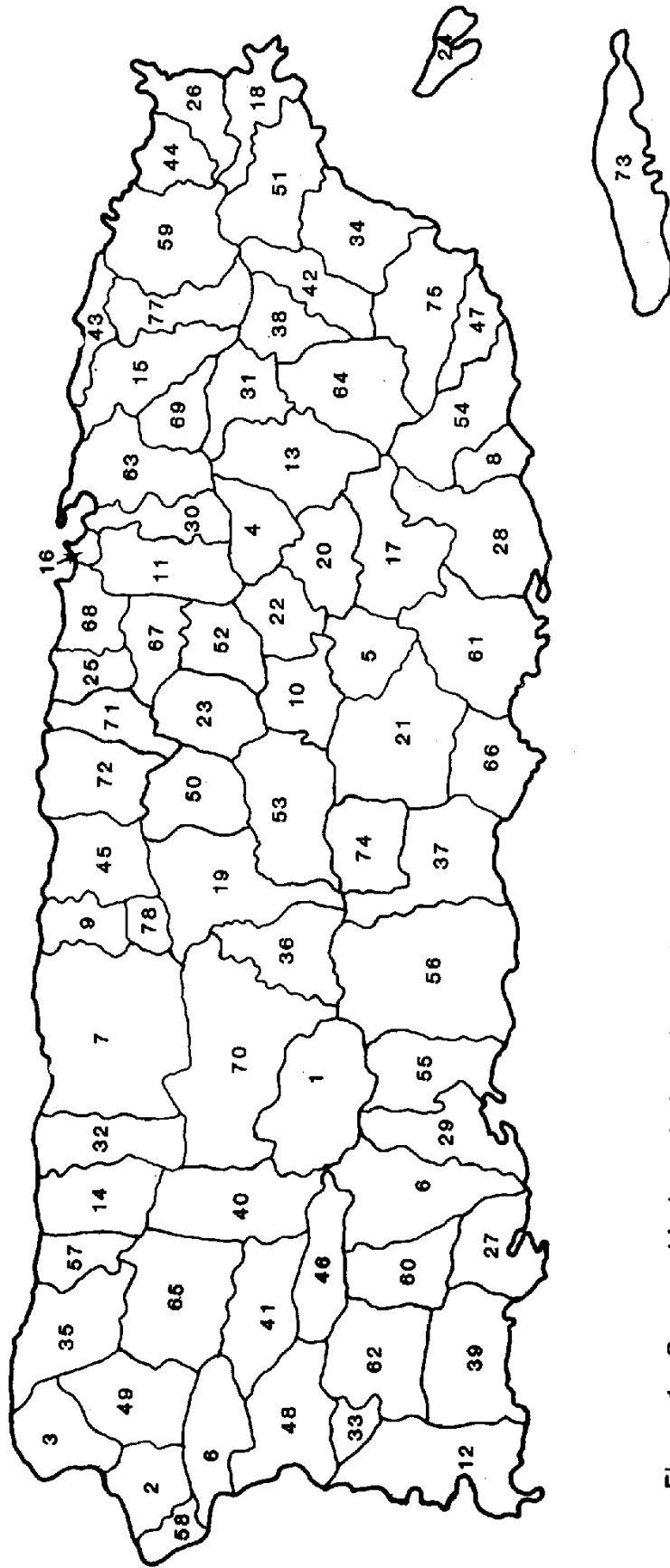


Figure 1. Geographic boundaries of municipios and U.S. Geological Survey code numbers.

Table 1. Population, housing units and estimated number of connections to the public water supply system, by municipio.

USGS CODE	1980 CENSUS		HOUSING UNITS	**NUMBER OF CONNECTIONS		INDUSTRIAL
	MUNICIPIO	POPULATION		DOMESTIC	COMMERCIAL	
1	ADJUNTAS	18786	5482	2955	154	4
2	AGUADA	31567	8784	6694	467	15
3	AGUADILLA	54606	17429	15024	1226	60
4	AGUAS BUENAS	22429	6625	4047	274	13
5	AIBCNITO	22167	6330	5272	473	17
6	ANASCO	23274	7046	5290	293	16
7	ARECIBO	86766	27436	24182	1915	81
8	ARRCYG	17014	5130	4645	195	11
9	BARCELONETA	18942	6080	5132	364	24
10	BARRANQUITAS	21639	5733	3421	358	4
11	BAYAMON	196206	56137	48411	3658	129
12	CABO ROJO	34045	12657	10692	794	24
13	CAGUAS	117959	35266	30345	1810	179
14	CAMUY	24884	7562	6173	559	21
15	CAROLINA	165954	53029	40396	1998	99
16	CATANO	26243	7626	6285	322	110
17	CAYEY	41099	12345	10756	918	22
18	CEJRA	14944	4587	2997	193	7
19	CIALES	16211	4646	3173	258	12
20	CIDRA	23365	7906	5431	484	23
21	COAMO	30822	8849	6311	603	22
22	COMERIO	13212	5227	3664	393	6
23	COROZAL	23221	7949	5565	400	10
24	CULEBRA	1265	517	361	41	1
25	DORADO	25511	8201	6704	395	13
26	FAJARDO	32087	12358	10429	813	20
27	GUANICA	18799	6310	5302	270	8
28	GUAYAMA	40133	12355	9930	570	25
29	GUAYANILLA	21050	6090	5137	293	4
30	GUAYNABO	80742	24337	19737	1239	64
31	GURABO	23574	6938	5046	249	5
32	HATILLO	28958	8478	6983	610	49
33	HORMIGUEROS	14030	4453	4338	202	13
34	HUMACAO	46134	15023	13662	1140	58
35	ISABELA	37435	11445	9556	946	19
36	JAYUYA	14722	4013	2359	273	11

Table 1- Population, housing units and estimated number of connections to the public water supply systems by municipios. - (Continue)

USGS CODE	1980 CENSUS		**NUMBER OF CONNECTIONS			
	MUNICIPIO	POPULATION	HOUSING UNITS	DOMESTIC	COMMERCIAL	INDUSTRIAL
37	JUANA DIAZ	43505	11774	7744	349	17
38	JUNCOS	25397	7892	4156	577	35
39	LAJAS	21236	7439	6111	450	9
40	LAPES	26743	7801	6094	446	6
41	LAS MARIAS	3747	2823	1615	106	0
42	LAS PIEDRAS	22412	6793	4926	397	23
43	LOIZA	20867	5645	6034	293	2
44	LUJUILLO	14895	6329	5672	299	19
45	MANATI	36562	11703	10390	962	39
46	MARICAO	6737	2118	806	50	5
47	MAUNABO	11313	3217	2302	154	5
48	MAYAGUEZ	96193	31806	26782	2271	91
49	MOCA	29195	7994	6068	396	7
50	MOROVIS	21142	5456	4421	353	8
51	NAGUABO	20617	6921	4964	406	31
52	NARANJITO	23633	6559	4127	320	4
53	OROCOVIS	19332	5235	3513	210	8
54	PATILLAS	17774	5099	3546	250	5
55	PENUELAS	19116	5299	3766	244	10
56	PONCE	189046	55078	49340	2524	103
57	QUEBRADILLAS	19728	5616	5954	559	16
58	RINCON	11788	3959	3384	251	8
59	RIO GRANDE	34293	10876	9284	554	16
60	SABANA GRANDE	20207	6736	6556	416	15
61	SALINAS	26438	3300	6757	310	9
62	SAN GERMAN	32922	10473	7580	576	32
63	SAN JUAN	434849	156096	122136	11578	268
64	SAN LORENZO	32428	9433	5742	363	29
65	SAN SEBASTIAN	35690	10931	3462	616	12
66	SANTA ISABEL	19254	6007	4544	192	10
67	TOA ALTA	31910	9058	7295	322	12
68	TOA BAJA	73246	22736	21185	957	43
69	TRUJILLO ALTO	51389	15908	5126	315	8
70	UTUADO	34505	10213	6553	581	13
71	VEGA ALTA	28696	8525	6285	377	21
72	VEGA BAJA	47115	14771	13135	857	45
73	VIEQUES	7662	3076	2722	246	5
74	VILLALBA	20734	5471	3093	154	7
75	YABUCCA	31425	3824	5646	410	14
76	YAUCO	37742	11577	9482	678	12
77	CANGUAYAS	31890	7341	5915	408	9
78	FLORIDA	7232	2291	2288	165	3
Totals			3,196,520	787,226	56,831	2237

** as of 1931 in PRASA files

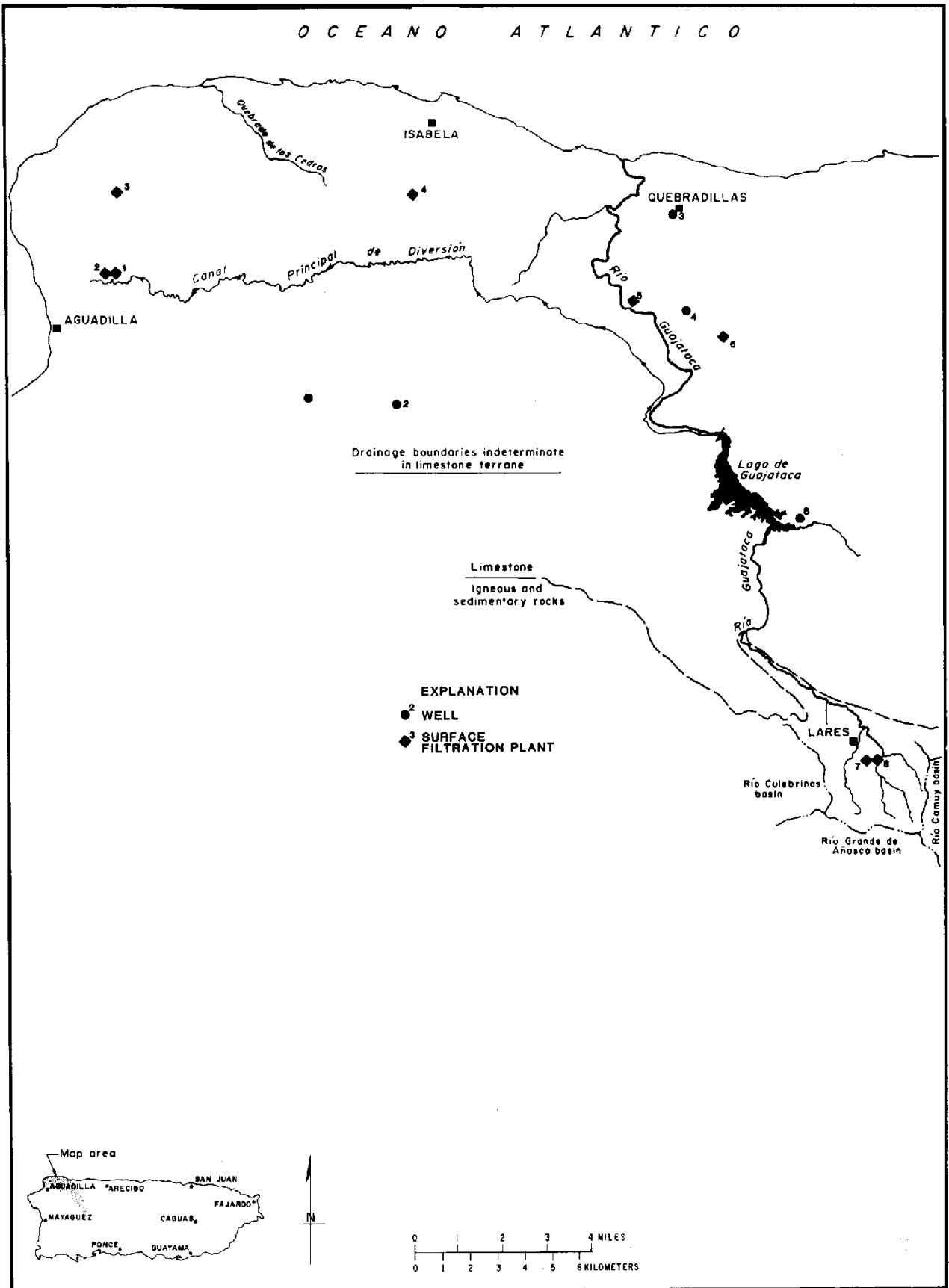


Figure 2.--Río Guajataca basin.

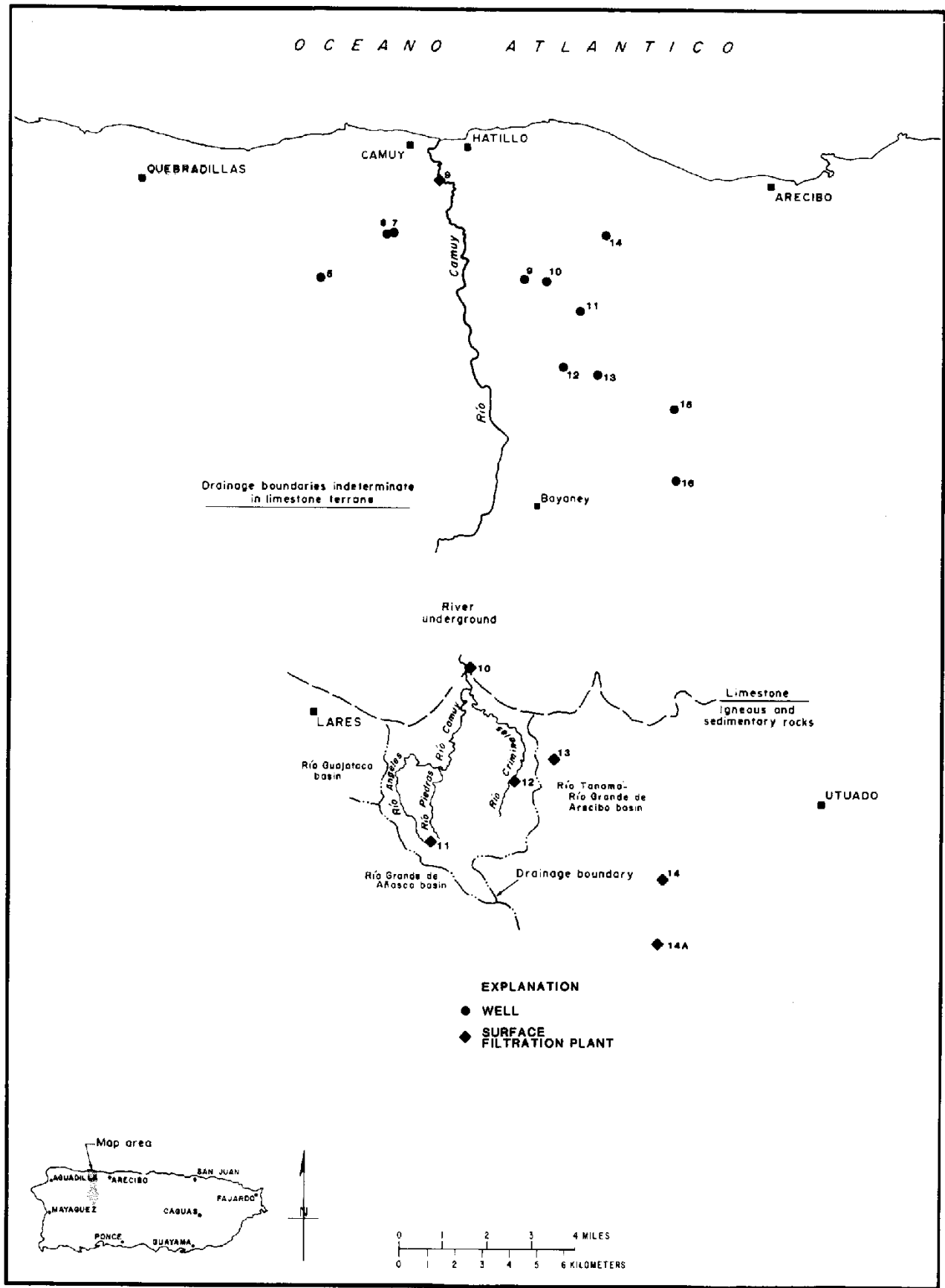


Figure 3.--Río Camuy basin.

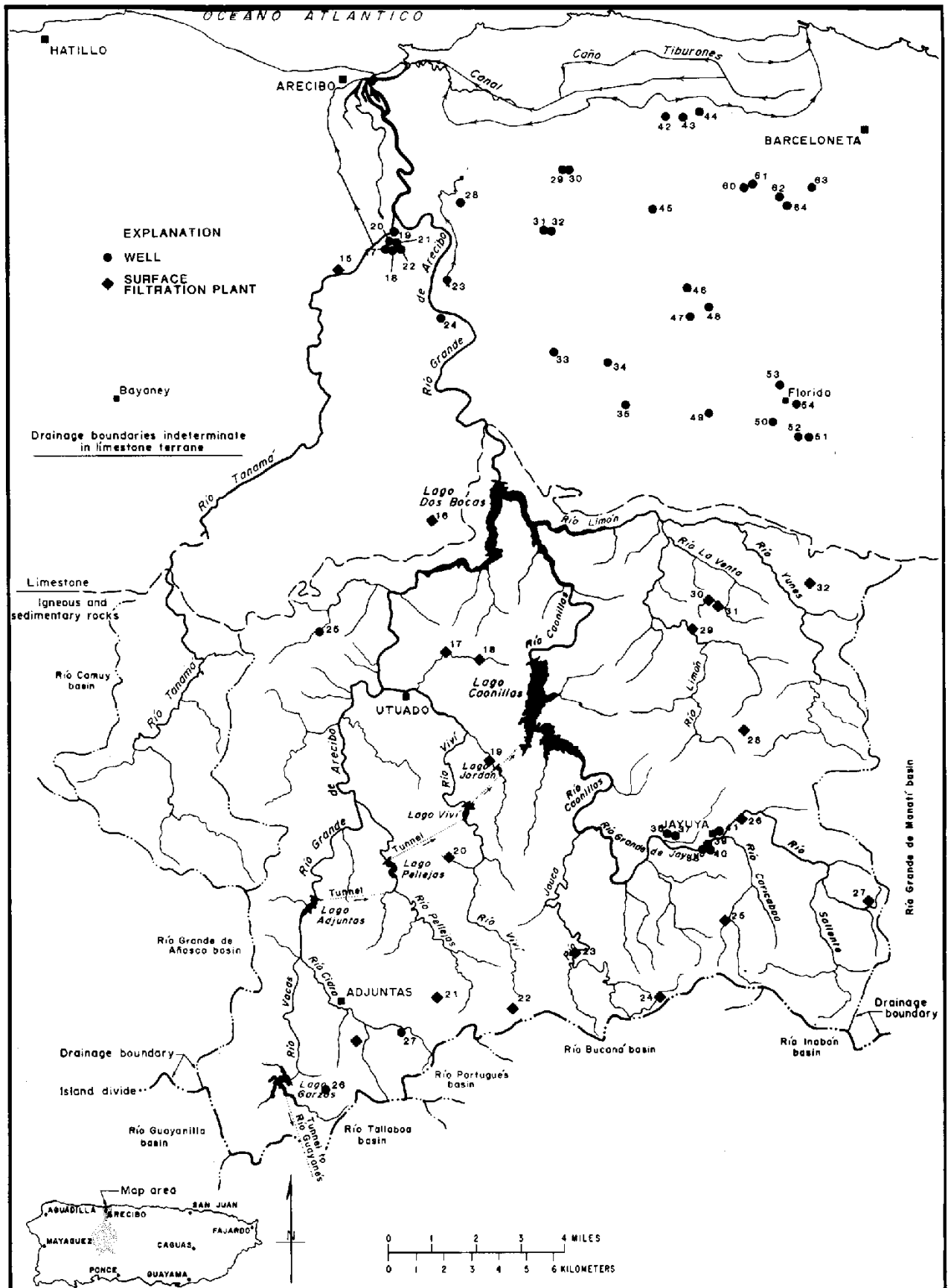


Figure 4.--Río Grande de Arecibo basin.

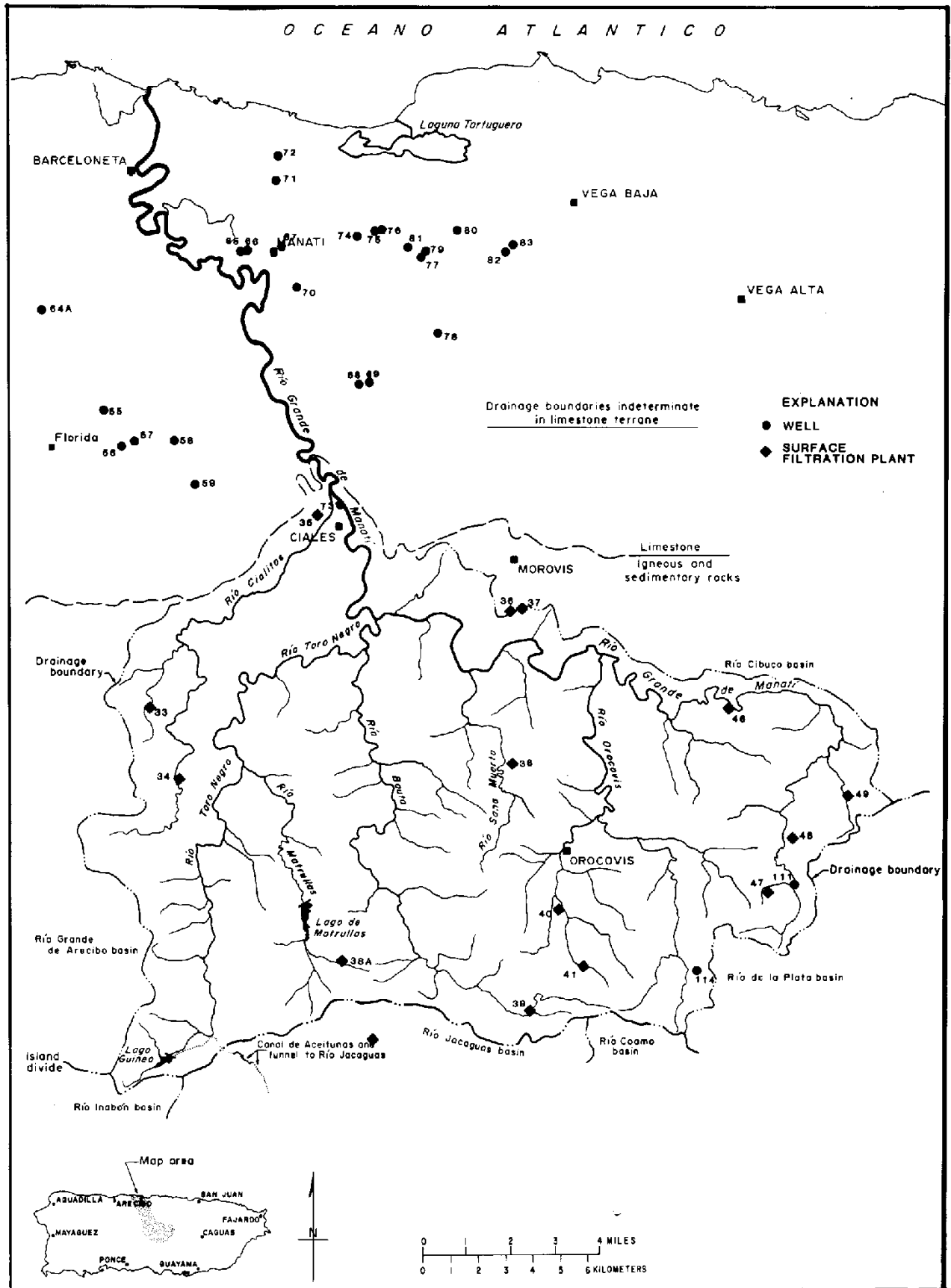


Figure 5.--Río Grande de Manatí basin.

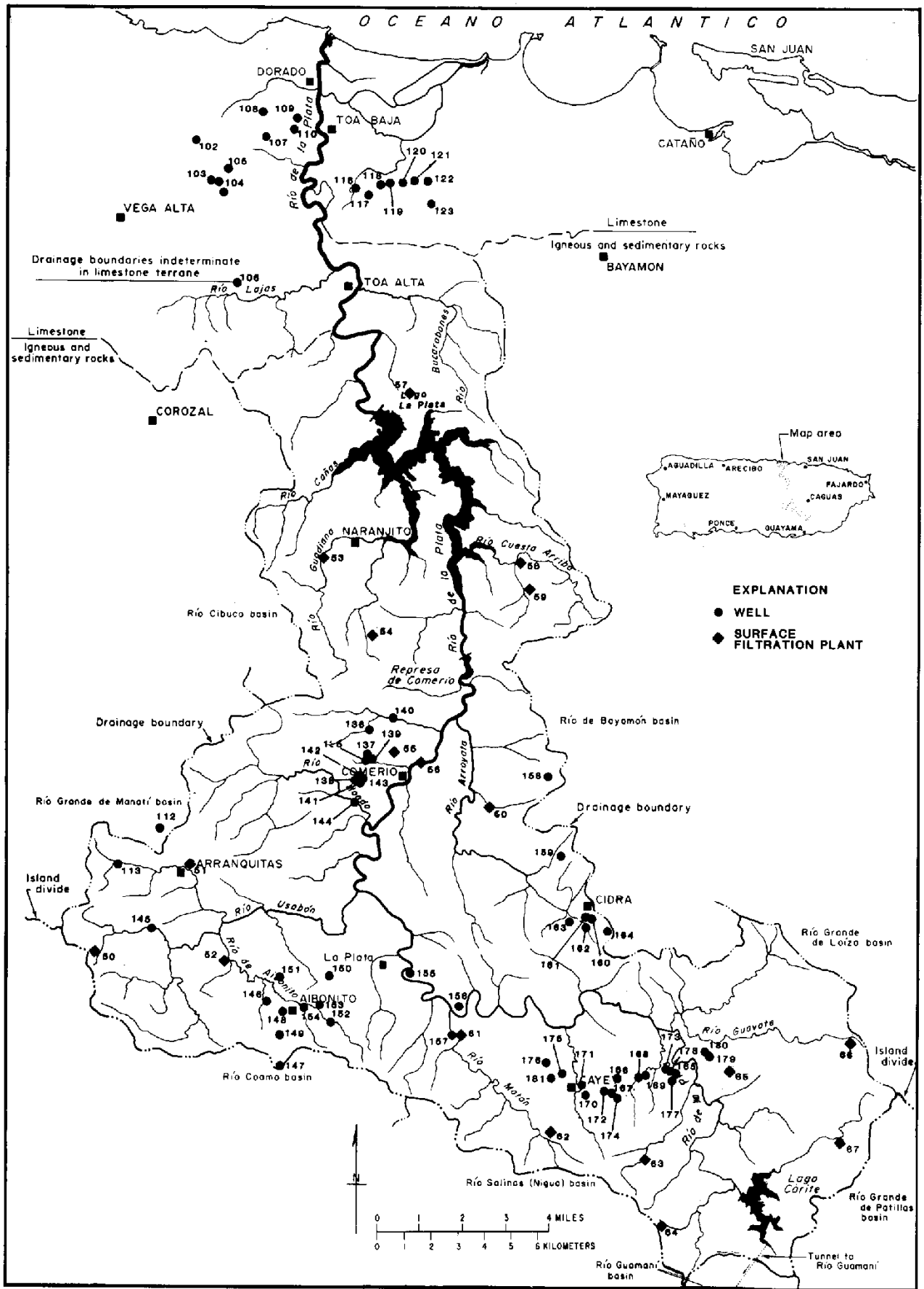


Figure 7.--Río de la Plata basin.

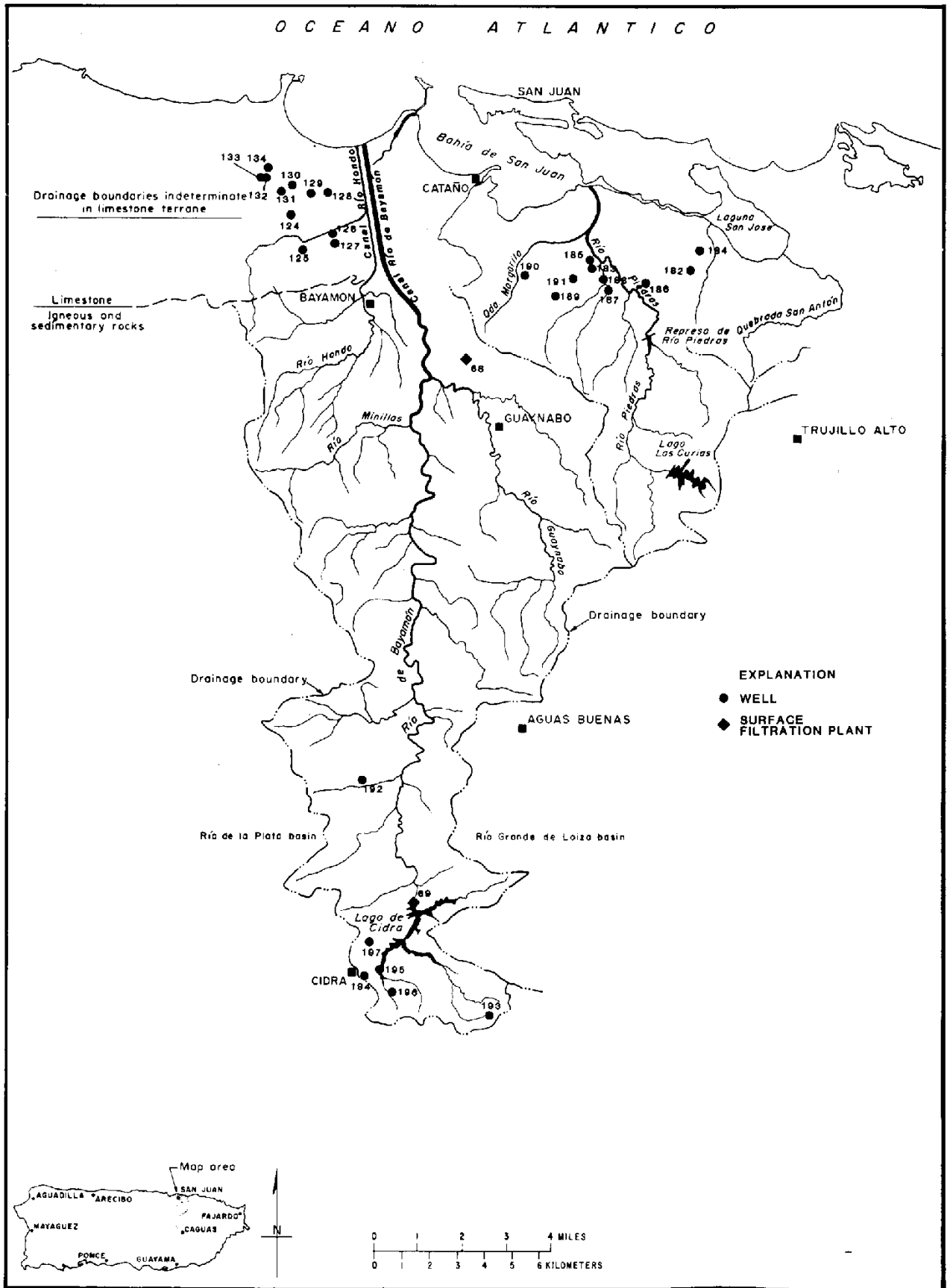


Figure 8.--Río de Bayamón and Río Piedras basins.

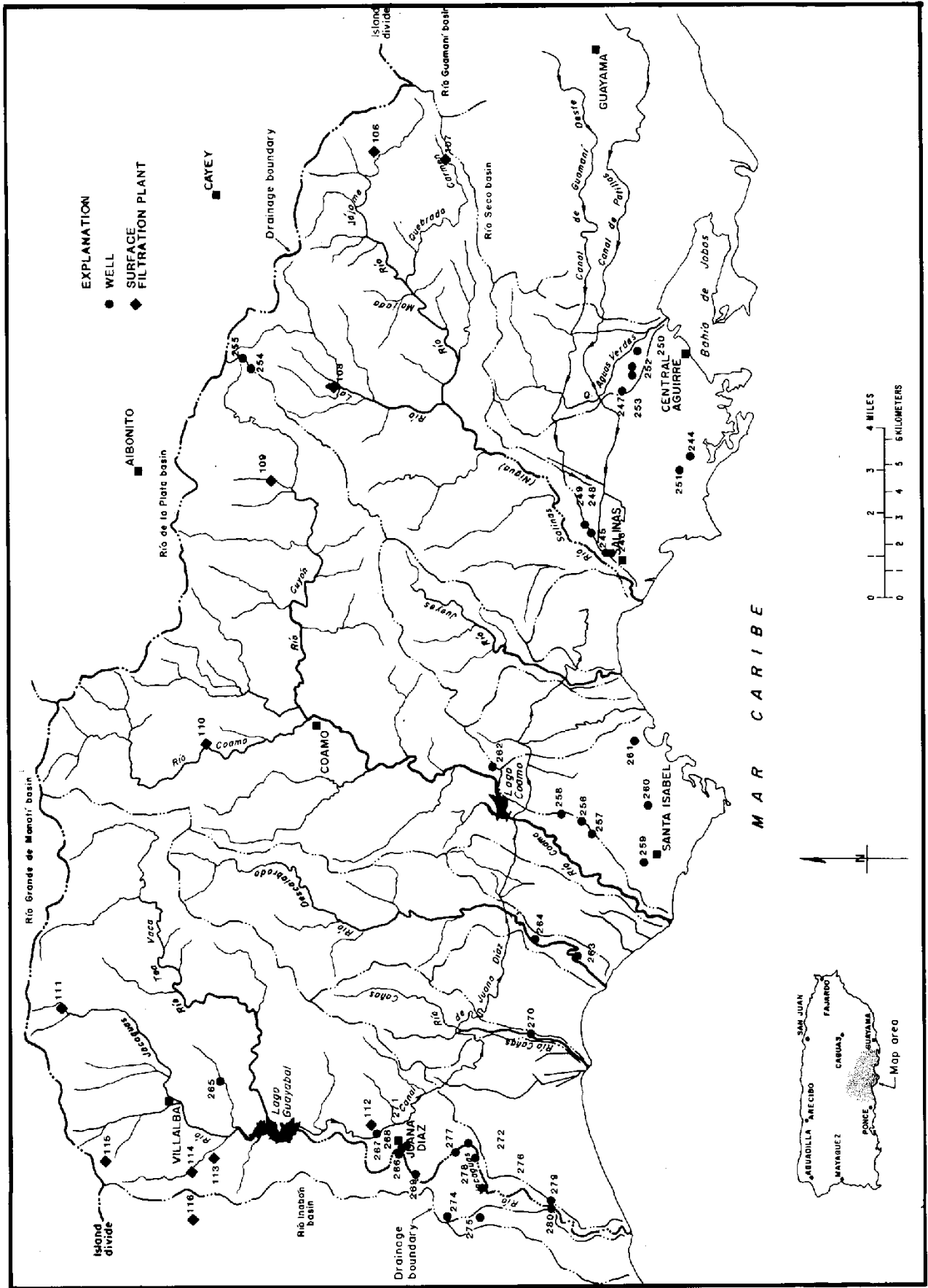


Figure 12.--South coast rivers basin - Río Salinas to Río Jacaguas basins.

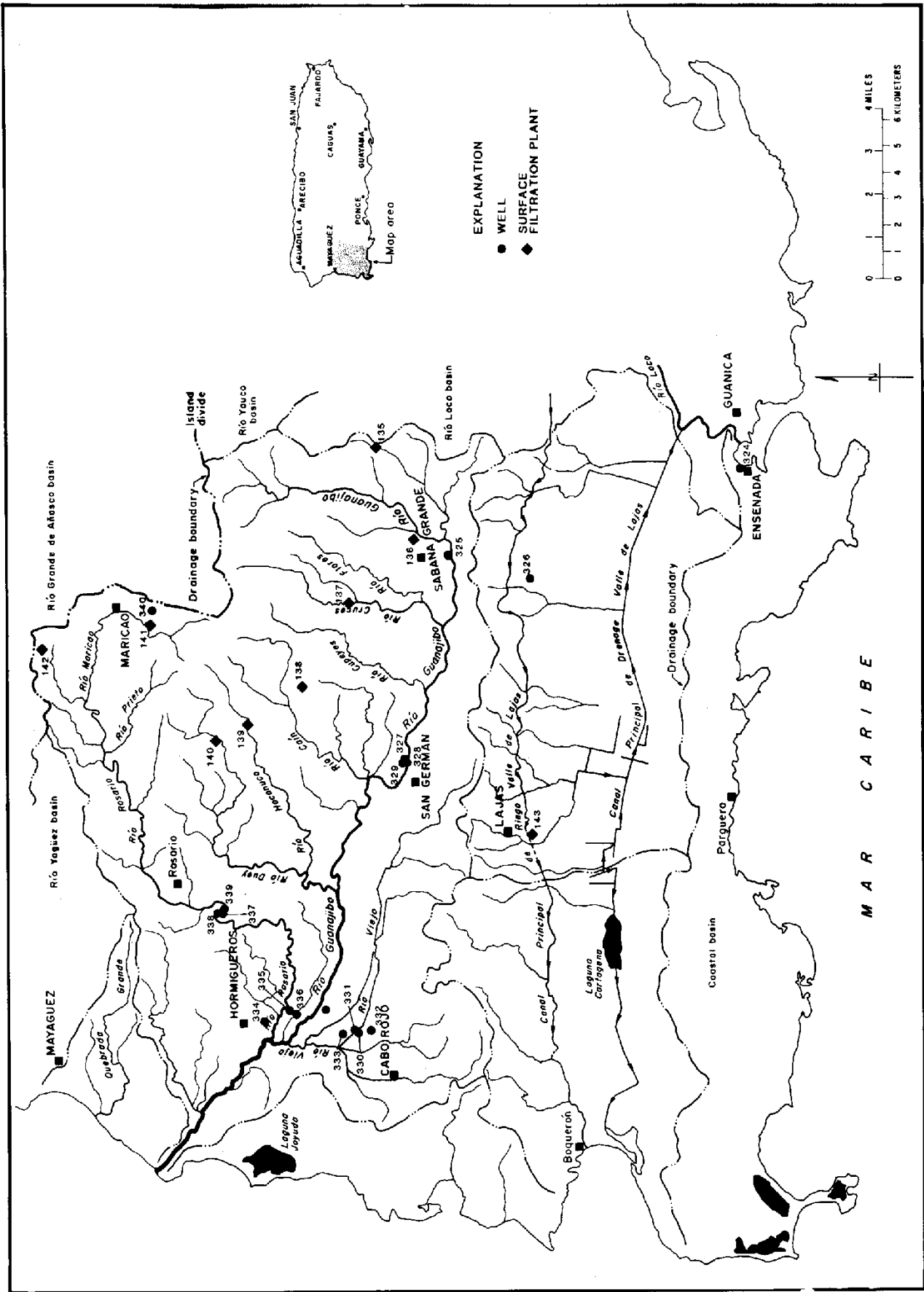


Figure 14.--Río Guanajibo basin.

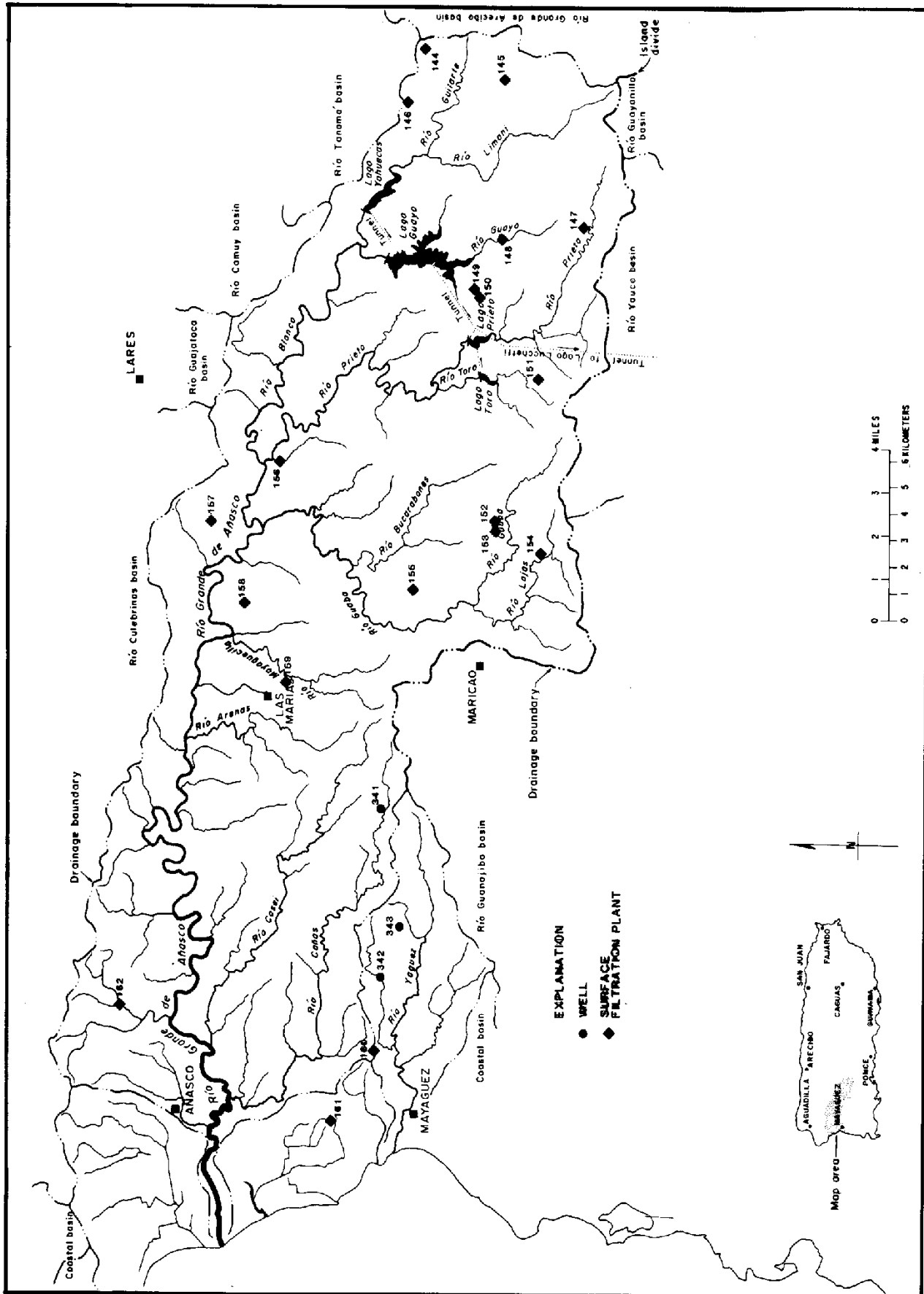


Figure 15. Río Yaguez and Río Grande de Añasco basins.

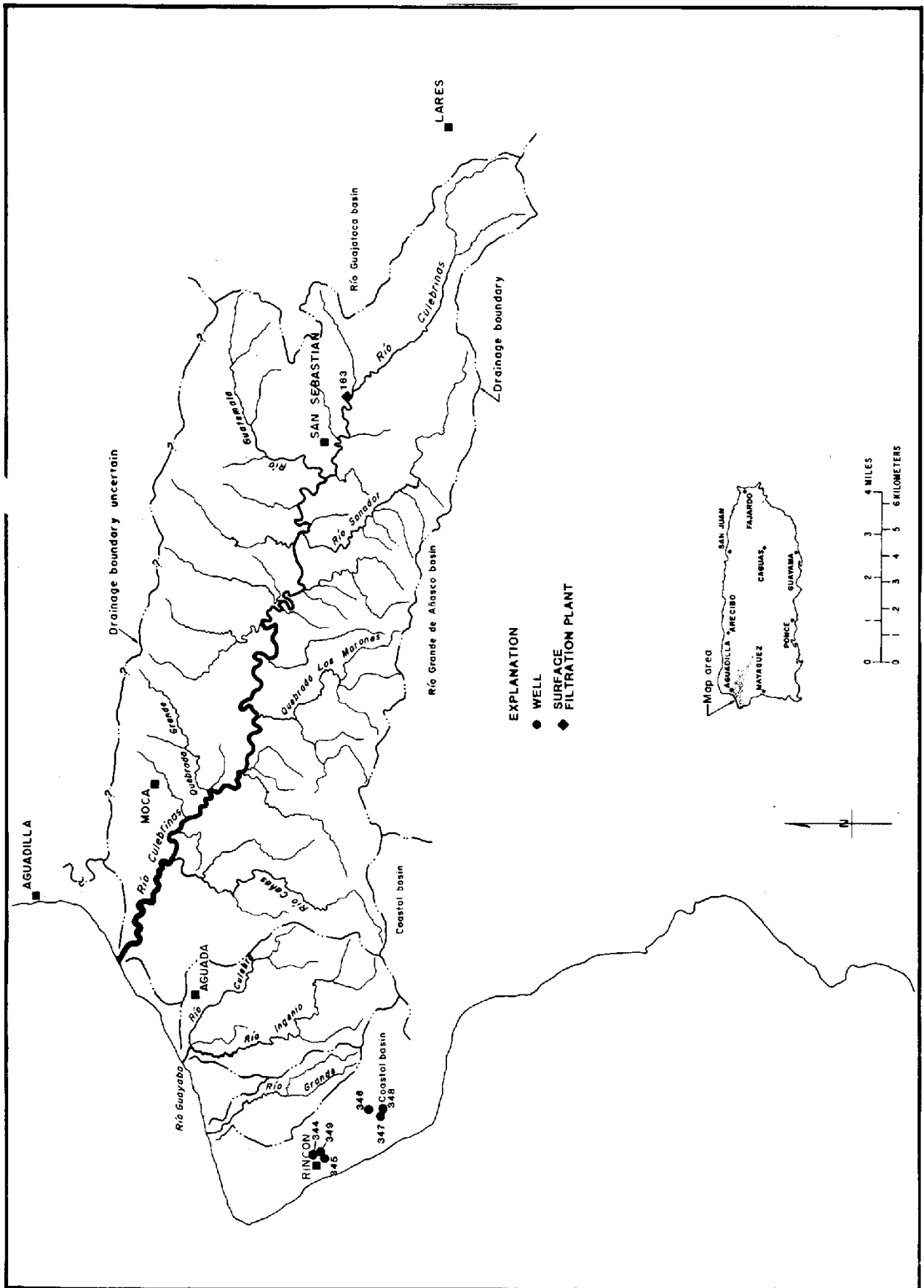


Figure 16.--Río Culebrinas basin.

Table 2A. Water supply facility map number and site names: surface water sites

1. Aguadilla-Vieja	55. Palomas	113. Villalba
2. Aguadilla-Nueva	56. Comerio	114. Semil
3. Aguadilla Ramay	57. Enrique Ortega	115. Julita
4. Isabela	58. So. Dajao	116. Collares
5. Llanadas	59. So. Nuevo	117. Real Anon
6. Quebradillas	60. Cedritos-Comerio	118. Ponce Vieja
7. Lares 2	61. Maton	119. Ponce Nuevo, (Maguete)
8. Lares 1	62. Cayey	120. Quebrada Limon
9. Hatillo-Camuy	63. So. Cedro	121. El Alto
10. Quebrada	64. Culebras-Cayey	122. Corral Viejo
11. Mirasol	65. Guayama	123. Tibes
12. Angeles I	66. Guayama	124. Maruena
13. Angeles II	67. Carita	125. Rucio
14. Roncador Cayuco	68. Los filtros	126. Guaraguao
14-A Yanama	69. Cidra	127. Panueles
15. Arcibo	70. Sergio Cuebas	128. Jagua Caiba
16. Rio Arriba	71. Aguas Buenas	129. Mal Paso
17. Cercadillo	72. Caguas	130. Macana
18. Sabana Grande	73. San Salvador	131. Jagua Pasto
19. Utuado	74. Espino	132. Yauco
20. Vivi Arriba	75. Planta So. Jagual	133. Drey
21. Vegas Arriba	76. Quebrada Honda	134. Rancheras
21-A Adjuntas	77. San Lorenzo	135. Molina
22. La Pica	78. Quebrada Arenas	136. Sabana Grande
23. Canalizo, (Candijio)	79. Barraza	137. La Maquina
24. Hogares Saguros	80. Cubuy	138. Cain Alto
25. Vegueta	81. Caimito	139. San German
26. Jayuya	82. Planta Remocion de Hierro	140. Rosario Bajo
27. Coabey	83. Juncos	141. Maricao
28. Mameyes-Jayuya	84. Pasto Seco	142. Naranjales
29. Limon	85. Canovana	143. Lajas
30. Mameyes-Utuado	86. El Yunque	144. Capuez
31. Mameyes-Utuado	87. Planta Puerto Kai	145. Guilarte
32. Fronton Viejo	88. Jimenez	146. Yahuecas
33. Fronton Nuevo	89. Zarzal	147. Rio Prieto
34. Cialitos	90. Morovis	148. Castaner
35. Ciales	91. Guzman Arriba	149. Bartolo 1
36. Morovis	92. Cuchillas-Higuerillo	150. Bartolo 2
37. Morovis Sur	93. Rio Blanco	151. Indiera Alta
38. Sanamuerfos	94. Cubuy	152. Bucarabones I
38-A Vatrullas	95. Naguabo	153. Bucarabones II
39. Hayaes	96. Fajardo	154. Monte Estado
40. Crocquis	97. Luquillo	155. La Josefara (Bucarabones)
41. Bauta	98. Humsaco-Las Piedras	156. Espino
42. Maricao	99. Yabucoa	157. Parcha
43. Vega Baja	100. Guayabota-Quebradilla	158. So. Vista
44. Almirante Sur	101. Matuyas-Maunabo	159. Las Marias
45. Corozal	102. Marin Bajo	160. Mayaguez Vieja
46. So. Negros	103. Los Pollos	161. Miradero-Mayaguez
47. Sarrancas Vieja	104. Antisue-Parroyo	162. Anasco
48. Sarrancas-Rotas	105. Guamni-Suayama	163. San Sebastian
49. So. Cedro Arriba	106. Jajome Alto	164. Planta de Desalinizacion
50. Pulquillas	107. Carmen	
51. Barranquitas	108. Parcelas Vezquez	
52. Aibonito	109. Algarrobos	
53. Naranjito	110. Coamo	
54. Anones	111. Apeadero	
	112. Juane Diaz	

Table 28. Water supply facility map number and site names: ground water sites

1. Rocha II	60. Tiburones	118. Campanilla 2
2. Rocha I	61. Pajonal	119. Campanilla 1
3. Quebradilla 1, (El Rey)	62. Cruce Davila 1	120. Campanilla 6
4. Quebradillas 2	63. Cruce Davila 2	121. Campanilla 7
5. Piedra Gorda 1	64. Barceloneta	122. Campanilla 8
6. Zanja II	64-A Cimarrona	123. Candelaria Arena
7. Zanja I	65. Manati 2	124. Sabana Seca
8. Soller	66. Manati 1	125. Rio Plantation II
9. La Paloma 1	67. Manati 3	126. Rio Plantation I
10. La Paloma 2	68. Rio Arriba 2	127. Rio Plantation II
11. Pajuil	69. Rio Arriba 3	128. Levittown 4
12. Campo Alegre 3	70. Coto Sur 4, (Monaco)	129. Levittown 5
13. Campo Alegre 1	71. Los Rabanos	130. Levittown 6
14. Corcovada	72. Boquilla	131. Levittown 7
15. Esperanza 1	73. Rossy	132. Levittown 8
16. Esperanza 2	74. Coto Sur 3, (Roche)	133. Levittown 10
17. Arcibo 4	74-A Coto Sur 1	134. Levittown 9
18. Ojo de Agua 1	75. Coto Norte 2	135. Pasarell
19. Arcibo 3	76. Coto Norte 1, (Ovsllo)	136. Planta Alcantarillado
20. Arcibo 5	77. Coto Norte 3	137. Breakers
21. Arcibo 6	78. Alturas	138. Pozo Elevador, (Policia)
22. Arcibo 7	79. Pugnado 3, (Pugnado Afuera)	139. Esc. Pasarell
23. Carreras	80. Sabrino	140. Cruv-Ariel
24. Ojo de Agua 2	81. Coto Sur 2, (Pueblito)	141. Hacienda I
25. Cayuco	82. Pugnado 2	142. Hacienda II
26. Saltillo Veca	83. Pugnado 1	143. Pozo Parque
27. Saltillo	84. Vega Baja 2	144. Rio Mondo
28. Bajadero	85. Vega Baja 3	145. Melechal
29. Santana 1	86. Vega Baja 1	146. Pozo Pasto
30. Santana 2	87. Almirante 3	147. Playita
31. Miraflores 3	88. Almirante 2	148. Matadero
32. Miraflores 1 y 2	89. Monserrate	149. Asomante Nuevo
33. Jovales 3	90. Sabana Hoyos 3, (Carmelita)	150. Caonillas 2
34. Jovales 2	91. Manati	151. San Luis
35. Arenales	92. Sabana Hoyos 1	152. Los Robles
36. Jayuya 4	93. Sabana Hoyos 2	153. Parque Bombas
37. Jayuya 8	94. Bajura I	154. Caonillas 1
38. Jayuya 3	95. Bajura II	155. La Plata
39. Jayuya 6	96. General Electric I	156. Maton I
40. Jayuya 5	97. General Electric II	157. Maton III
41. Jayuya 7	98. La Ponderosa	158. Naranjo
42. Garrochales 1	99. Vega Altar, (Pueblo)	159. Ceiba
43. Garrochales 2	100. Vega Alta 2	160. Calle Padilla
44. Jovales 1	101. Pambanos	161. Cerca Planta Alcantarillado
45. Sabana Hoyos 4	102. Forestal	162. Frente Cementerio
46. Sabana Hoyos 3	103. Maguayo 2	163. Rabanal
47. Sabana Hoyos 2	104. Maguayo 3	164. Ville del Carmen
48. Sabana Hoyos 1	105. Maguayo 4	165. Planicie I
49. Florida 7	106. Vivoni	166. Henry Barracks I
50. Florida 6	107. Higuillar 1	167. Henry Barracks II
51. Florida 3	108. San Antonio II	168. Radio Ley, (La Ley)
52. Monte Bello 5	109. San Antonio I	169. Montellanos, (Bungalow)
53. Florida 4	110. San Antonio III	170. Caserio Nuevo
54. Florida 1	111. Barranca Nueva	171. Caserio Viejo
55. Florida 8, (Las Vegas)	112. Barranca Vieja	172. Valdivieso
56. Florida 2	113. Palo Hincado I	173. La Central
57. Florida 5	114. Palo Hincado II	174. Polvorin
58. Monte Bello 4	115. Regadera	175. Mogote
59. Monte Bello 2	116. Campanilla 5	176. Maton II
	117. Campanilla 3	177. La Vega I

Table 28. Water supply facility map number and site names: ground water sites (Continued)

178.	La Vega II	238.	Fibers 2	298.	Febles
179.	La Vega III	239.	Cimarrona	299.	Atomica
180.	Planicie II, (Rural)	240.	Mareas	300.	A.E.E.
181.	Finca Bosch	241.	Puente Jobos 2	301.	Chardon
182.	Miguel Such	242.	Villobos	302.	Alhambra
183.	Los Pollitos	243.	Fibers 5	303.	La Mocha I
184.	Truman	244.	Mar Negro I, (Las Mareas)	304.	Restaurada 1
185.	Hiram Bithson	245.	Pozo I, (Salinas)	305.	Restaurada 2
186.	University Gardens	246.	Pozo II, (Salinas)	306.	Restaurada 3
187.	Las Americas	247.	Texidor	307.	Restaurada 4
188.	Padilla	248.	Coco II	308.	Restaurada 5
189.	Gabriela Mistral	249.	Coco III	309.	Restaurada 6
190.	Los Caobos	250.	San Felipe	310.	Restaurada 7
191.	Puerto Nuevo	251.	Mar Negro II, (Las Mareas)	311.	Restaurada 8
192.	Bayamoncito	252.	Coqui I	312.	Restaurada 9
193.	Zepera	253.	Coqui II	313.	Restaurada 10
194.	Calle Baldorioty	254.	Sauza I	314.	Muneras
195.	El Puente	255.	Sauza II	315.	Quebrada 2
196.	Pozo en el Puente	256.	Paso Seco I	316.	Los Sitios
197.	Treasure Island	257.	Paso Seco II	317.	Indios
198.	Villa Fontana	258.	Paso Seco III	318.	Palomas
199.	Cedro, (Urrutia)	259.	Santiago Apostol	319.	Rio Loco
200.	Masar (Las 400)	260.	Jauca I	320.	Los Canos
201.	Carraizo	261.	Jauca II	321.	Guanica Viejo
202.	Las Carolina 1	262.	Esmeralda 2	322.	Guanica Nuevo
203.	Las Carolina Viejo	263.	Cortada	323.	Susua II
204.	Bairoa Vieja	264.	Descalatrador, (Ollas 2)	324.	Ensenada
205.	Bairoa A	265.	Toa Yaca 3	325.	Movil
206.	Bairoa C	266.	Juana Diaz I, (Puente)	326.	Rayo
207.	Lake View	267.	Juana Diaz II, (La Ceiba)	327.	Lola R. de Tio I
208.	Tomas de Castro	268.	Juana Diaz III	328.	Lola R. de Tio II
209.	Gurabo, (Experimental)	269.	Autopista	329.	Retiro 3
210.	Boqueron 2	270.	J. Diaz Rior, (Rio Canas)	330.	Cabo Rojo I
211.	Mambiche 3	271.	Santo Domingo	331.	Cabo Rojo II
212.	Culebra 2	272.	Dayan	332.	Cabo Rojo III
213.	Pozo Roig Nuevo	273.	Cayabo	333.	Cabo Rojo IV
214.	Pozo Roig Viejo	274.	Aguilita Cans	334.	Hormigueros I
215.	La Maloja	275.	Aguilita Vieja	335.	Hormigueros II
216.	Limones	276.	Experimental, (Aguilita)	336.	Hormigueros III
217.	Guayanes	277.	Vertedero	337.	Rosario 3
218.	Pozo I, (Maunabo)	278.	Casanova	338.	Duey I
219.	Pozo II, (Maunabo)	279.	Aruz Nuevo, (Escuela)	339.	Duey II
220.	Pozo III, (Maunabo)	280.	Aruz Vieja, (Puente)	340.	Maricao I
221.	Pozo IV, (Urb. San Pedro)	281.	Vocacional	341.	Consumo
222.	Jacaboas I	282.	Belgica	342.	Marini I
223.	Jacaboas II	283.	Oliver	343.	Marini II
224.	Jacaboas III	284.	P.R. Cement	344.	Rincon I, (Urbano)
225.	Jacaboas IV	285.	Canas	345.	Rincon II, (Urbano)
226.	Guilarte 1	286.	Glensview	346.	Calvache I
227.	Pozo I, (Patillas)	287.	Esc. Ismael Maldonado	347.	Calvache II
228.	Pozo II, (Patillas)	288.	Valle Verde 2	348.	Calvache III
229.	Pozo IV, (Patillas)	289.	Sta. Clara	349.	Rincon I, (Rural)
230.	Pozo I, (Arroyo)	290.	Morell Campos		
231.	Pozo II, (Matadero)	291.	Arjona		
232.	Pozo III, (Arroyo)	292.	Jardines Fagot		
233.	Pozo V, (Texaco)	293.	Blasini		
234.	Pitahaya I	294.	Ramos Antonini		
235.	Pitahaya II	295.	Sauri		
236.	Belinda	296.	Ruiz gelvis		
237.	Fibers 1	297.	A.A.A.		

Table 3. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Adjuntas

WELLS		LONGITUDE		ANNUAL AMOUNT	
FACILITY NAME	LATITUDE	LONGITUDE	(MILLION GALLONS)		
SALTILLO	180922	0664205	12.2		
SALTILLO VACA	180801	0664340	30.0		
FILTER PLANTS		LONGITUDE		ANNUAL AMOUNT	
FACILITY NAME	LATITUDE	LONGITUDE	(MILLION GALLONS)		
ADJUNTAS	180910	0664300	332.2		
CAPAEZ	181148	0664531	14.0		
GUILARTE	181020	0664617	30.8		
TANAMA	181303	0664531	50.5		
VEGAS ARRIBA	180957	0664116	23.0		
YAHUECAS	181210	0664652	39.2		

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SI02	TDS	NO3-N	Fe	Mn
SALTILLO	03/30/81	8.0	5	0.0	26	7.0	11.0	0.8	84	23.0	8.0	0.0	37.0	205	0.30	0.18	0.00
SALTILLO VACA	03/30/81	8.0	0	0.0	19	10.0	2.0	0.8	83	---	8.0	0.0	42.0	177	0.40	0.11	0.00
SURFACE WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SI02	TDS	NO3-N	Fe	Mn
ADJUNTAS	03/30/81	8.2	5	0.0	25	6.0	6.0	0.9	81	5.0	10.0	0.0	27.0	174	0.60	0.12	0.00
CAPAEZ	04/27/82	8.0	0	0.8	29	4.0	5.0	3.1	81	2.0	14.0	0.0	44.0	204	2.10	0.00	0.02
GUILARTE	04/27/82	7.7	0	0.5	35	8.0	3.0	1.0	115	5.0	10.0	0.0	22.0	192	0.40	0.15	0.01
TANAMA	04/27/82	8.2	0	0.7	25	6.0	8.0	1.5	88	---	13.0	0.0	38.0	185	0.90	0.21	0.02
VEGAS ARRIBA	04/27/82	8.0	0	0.8	26	7.0	2.0	0.9	90	---	9.0	0.0	32.0	157	0.50	0.09	0.03
YAHUECAS	04/27/82	8.0	0	0.5	39	6.0	---	1.5	121	5.0	18.0	0.0	33.0	226	1.20	0.04	0.02

Table 4. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Aguadilla

WELLS

 N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
AGUADILLA-VIEJA	182703	0670803	704.0
AGUADILLA-NUEVA	182703	0670803	3417.4
AGUADILLA-RANEY	182836	0670757	945.5

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
AGUADILLA-VIEJA	12/17/82	8.1	5	1.0	38	10.0	5.0	2.6	130	8.0	8.0	0.1	4.0	216	0.10	0.00	0.00
AGUADILLA-NUEVA	12/17/82	7.9	5	1.4	48	4.0	8.0	2.1	130	8.0	9.0	0.1	0.0	211	0.50	0.00	0.00
AGUADILLA-RANEY	02/21/81	7.5	0	1.0	41	4.0	3.0	1.6	48	12.0	12.0	1.0	4.0	182	0.00	0.00	0.00

Table 5. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Aguas Buenas

WELLS		LONGITUDE		ANNUAL AMOUNT			
FACILITY NAME	LATITUDE	LONGITUDE	(MILLION GALLONS)	FACILITY NAME	LATITUDE	LONGITUDE	(MILLION GALLONS)
BAYAHONCITO	181422	0660938	20.4				
FILTER PLANTS		LONGITUDE		ANNUAL AMOUNT			
FACILITY NAME	LATITUDE	LONGITUDE	(MILLION GALLONS)	FACILITY NAME	LATITUDE	LONGITUDE	(MILLION GALLONS)
AGUAS BUENAS	181539	0660614	370.9				

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES																	

GROUND WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BAYAHONCITO	05/20/83	7.1	0	0.3	42	12.0	13.0	1.2	120	22.0	21.0	0.3	50.0	311	1.40	0.22	0.00
SURFACE WATER																	
AGUAS BUENAS	05/23/83	7.4	0	0.1	44	16.0	2.0	1.4	133	16.0	22.0	0.7	34.0	299	1.00	0.00	0.00

Table 6. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Aibonito

WELLS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		ASOMANTE NUEVO		180754	0661629	19.9
		ASOMANTE VIEJO		-----	-----	16.9
		BAUZA 1		180603	0661340	10.2
		CAONILLAS 1		180837	0661555	11.7
		CAONILLAS 2		180904	0661527	13.0
		CERCA PLANTA ALCANTARILLADO		181032	0660945	13.6
		LOS ROBLES		180819	0661522	0.0
		SAN LUIS		180903	0661627	0.0
		SINAI		-----	-----	0.0
		MATADERO		180817	0661621	22.6
		PARQUE BOMBAS		180831	0661545	2.5
		PLAYITA		180715	0661624	27.8
		LA PLATA		180908	0661336	0.0
		POZO PASTO		180831	0661640	31.8

FILTER PLANTS		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		180840	0661700	428.2
		-----	-----	275.3
		180545	0661614	12.8

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER																	
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
ASOMANTE NUEVO	12/18/80	8.3	0	0.2	33	15.0	67.0	2.0	332	10.0	41.0	0.3	48.0	358	2.20	0.13	0.00
ASOMANTE VIEJO	12/18/80	8.1	0	0.3	41	15.0	55.0	4.3	195	16.0	49.0	0.3	44.0	332	1.90	0.13	0.00
CAONILLAS 1	12/05/80	8.2	5	0.4	31	18.0	56.0	1.6	201	8.0	32.0	0.1	35.0	293	1.10	0.38	0.00
CAONILLAS 2	12/05/80	8.1	0	0.2	29	26.0	38.0	1.5	197	12.0	38.0	0.1	40.0	300	1.80	0.13	0.00
LOS ROBLES	06/06/77	7.4	0	0.0	38	12.0	37.0	---	175	9.0	28.0	0.0	47.0	281	1.50	0.15	0.00
SAN LUIS	12/18/80	8.1	5	2.2	46	1.7	47.0	2.0	223	13.0	37.0	0.2	38.0	336	1.40	0.74	0.00
SINAI	06/21/77	7.3	0	1.0	58	17.0	40.0	---	186	27.0	63.0	0.0	47.0	356	3.80	0.17	0.00
MATADERO	12/04/80	7.6	5	0.1	45	10.0	44.0	1.9	196	7.0	32.0	0.1	50.0	325	1.20	0.16	0.00
PARQUE BOMBAS	06/26/77	7.8	0	0.5	46	14.0	37.0	---	201	5.0	35.0	0.0	39.0	316	1.30	0.15	0.00
PLAYITA	12/04/80	8.1	10	0.3	35	12.0	43.0	1.3	182	7.0	30.0	0.2	35.0	284	1.30	0.14	0.00
LA PLATA	12/18/80	7.9	0	0.2	91	43.0	56.0	1.7	352	43.0	18.0	0.3	38.0	603	7.50	0.33	0.00
POZO PASTO	12/05/80	7.9	0	0.8	33	13.0	35.0	1.2	173	5.0	25.0	0.1	41.0	259	1.70	0.18	0.00

SURFACE WATER																	
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
AIBONITO	11/24/81	7.2	0	0.4	25	6.0	18.0	2.8	67	29.0	25.0	0.2	25.0	212	0.50	0.20	0.00
ALGARROBOS	11/24/81	7.8	0	0.4	53	11.0	67.0	2.6	222	45.0	41.0	0.3	32.0	421	0.00	0.00	0.00

Table 7. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Anasco

WELLS

 N O N E

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ANASCO	181807	0670609	175.2

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
ANASCO	12/17/82	8.0	5	3.0	21	6.0	4.0	2.8	71	---	10.0	0.0	36.0	156	1.40	0.00	0.00

Table 8. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at -- Arecibo

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ARECIBO 007	182519	0664210	180.8
ARECIBO 4	182458	0664223	252.6
ARECIBO 5	182511	0664223	304.8
ARECIBO 6	182509	0664232	246.0
ARECIBO 7	182505	0664232	275.7
BAJADERO	182558	0664056	155.0
CARRERAS	182425	0664110	61.1
ESPERANZA 1	182358	0664512	13.9
ESPERANZA 2	182237	0664517	62.1
GARROCHALES 1	182732	0663628	24.2
GARROCHALES 2	182735	0663610	40.3
JOVALES 1	182740	0663557	85.8
JOVALES 2	182242	0663751	7.9
JOVALES 3	182254	0663855	22.9
MIRAFLORES 1 y 2	182529	0663857	72.0
MIRAFLORES 3	182542	0663854	68.3
SANTANA 1	182638	0663849	175.9
SANTANA 2	182628	0663850	137.0
SABANA HOYOS 1	182340	0663547	58.1
SABANA HOYOS 2	182333	0663609	60.0
SABANA HOYOS 3	182420	0663602	58.4
SABANA HOYOS 4	182556	0663659	54.7

WELLS

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ARECIBO	182430	0664323	1007.7
RIO ARRIBA	181905	0664117	68.3

Table 8. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Arecibo - (Continue)

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ARECIBO 007	10/17/80	7.4	0	0.0	77	6.0	52.0	0.9	239	14.0	16.0	0.0	12.0	288	0.30	0.00	0.00
ARECIBO 4	10/17/80	7.3	0	0.4	80	9.0	22.0	0.9	300	13.0	17.0	0.0	9.0	306	1.10	0.11	0.00
ARECIBO 5	10/17/80	7.4	0	0.0	80	6.0	30.0	1.2	230	35.0	18.0	0.1	12.0	319	0.40	0.00	0.00
ARECIBO 6	10/17/80	7.5	0	0.4	80	5.0	25.0	1.0	278	15.0	17.0	0.0	11.0	298	1.50	0.30	0.00
ARECIBO 7	10/17/80	7.1	0	0.0	90	24.0	23.0	1.1	219	10.0	10.0	0.0	9.0	276	1.90	0.12	0.00
CARRERAS	10/17/80	7.0	-	---	44	2.0	13.0	1.7	121	11.0	10.0	0.1	17.0	181	0.70	0.00	0.00
ESPERANZA 1	10/17/80	7.3	0	0.4	75	3.0	3.0	0.3	192	5.0	7.0	0.0	7.0	266	0.50	0.00	0.00
ESPERANZA 2	03/27/80	7.4	0	0.0	65	8.0	67.0	0.3	312	6.0	16.0	0.1	11.0	367	0.30	0.00	0.00
GARROCHALES 1	05/13/80	7.8	0	0.0	103	10.0	90.0	4.0	270	22.0	140.0	0.0	6.0	586	2.70	0.15	0.00
GARROCHALES 2	10/17/80	7.4	-	0.3	74	23.0	138.0	5.1	247	30.0	206.0	0.0	5.0	691	5.00	0.00	0.00
JOVALES 1	10/17/80	7.0	0	0.0	60	10.0	6.0	0.4	185	---	12.0	0.0	2.0	198	1.70	0.00	0.00
JOVALES 2	10/17/80	6.9	0	0.3	27	13.0	3.0	0.5	112	---	10.0	0.2	5.0	150	0.90	0.00	0.00
JOVALES 3	10/17/80	7.2	0	1.0	57	5.0	16.0	0.7	244	---	14.0	0.0	3.0	279	2.60	0.13	0.00
MIRAFLORES 1 y 2	10/17/80	7.3	0	0.0	33	31.0	31.0	0.6	253	---	21.0	0.0	8.0	303	2.50	0.00	0.01
MIRAFLORES 3	10/17/80	7.2	0	0.0	65	23.0	22.0	0.6	761	2.0	15.0	0.0	8.0	324	5.20	0.22	0.00
SANTANA 1	10/17/80	7.5	0	0.6	84	15.0	58.0	1.5	246	14.0	93.0	0.0	7.0	441	2.70	0.00	0.00
SANTANA 2	10/17/80	7.0	0	0.0	67	5.0	13.0	1.0	178	---	21.0	0.0	7.0	271	2.70	0.08	0.00
SABANA HOYOS 1	10/17/80	7.3	0	0.0	60	25.0	18.0	0.7	264	4.0	20.0	0.0	5.0	311	2.40	0.00	0.01
SABANA HOYOS 2	10/17/80	7.1	0	0.0	86	4.0	15.0	0.7	242	---	16.0	0.0	7.0	282	1.10	0.00	0.00
SABANA HOYOS 3	10/17/80	7.4	0	0.0	85	4.0	17.0	0.6	240	---	15.0	0.0	7.0	281	1.80	0.00	0.00
SABANA HOYOS 4	10/04/82	6.9	0	0.8	97	---	20.0	0.9	249	13.0	18.0	0.0	11.0	-	1.20	0.00	0.00

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ARECIBO	07/14/82	6.7	0	0.0	55	2.0	8.0	0.9	134	11.0	11.0	0.0	7.0	229	0.60	0.30	0.00
RIO ARRIBA	07/14/82	6.9	0	0.0	71	---	2.0	0.2	166	3.0	9.0	0.0	5.0	239	0.20	0.00	0.00

Table 9. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Arroyo

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
POZO 1 (ARROYO)	175827	0660301	63.9
BELINDA	175904	0660345	61.9
GUILARTE 2	180218	0665829	60.3
POZO 2 (MATADERO)	175833	0660243	18.2
POZO 3 (ARROYO)	175823	0660333	0.0
POZO 4 (ARROYO)	-----	-----	33.0
PITAHAYA 1	175942	0660325	12.9
PITAHAYA 2	175944	0660327	32.8
POZO 5 (TEXACO)	175837	0660233	53.8

WELLS

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ANTIGUA-ARROYO	180128	0660507	0.2

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										SURFACE WATER					
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
POZO 1 (ARROYO)	11/26/80	7.6	0	0.3	48	18.0	58.0	0.6	210	42.0	46.0	0.2	31.0	390	1.00	0.10	0.00
POZO 2 (MATADERO)	03/04/77	7.7	0	0.0	53	19.0	48.0	---	187	49.0	51.0	0.0	36.0	394	7.30	0.05	0.00
POZO 3 (ARROYO)	03/14/77	7.4	0	3.0	13	5.0	21.0	---	45	28.0	16.0	0.4	24.0	226	0.40	0.15	0.00
POZO 4 (ARROYO)	11/26/80	7.3	0	0.5	52	19.0	50.0	0.4	205	40.0	45.0	0.2	36.0	374	2.50	0.14	0.00
PITAHAYA 1	06/01/82	6.8	0	0.0	41	44.0	35.0	0.8	173	120.0	35.0	0.0	15.0	409	0.20	0.12	0.00
PITAHAYA 2	12/16/80	8.1	5	0.3	58	25.0	52.0	0.5	229	40.0	55.0	0.1	36.0	422	3.70	0.14	0.00
POZO 5 (TEXACO)	11/29/79	7.3	0	0.1	54	21.0	11.0	0.5	97	45.0	52.0	0.0	33.0	426	38.00	0.14	0.00

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ANTIGUA-ARROYO	09/14/82	7.7	0	0.0	69	10.0	6.0	0.9	117	66.0	31.0	0.8	4.0	265	0.50	0.24	0.00

Table 10. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Barceloneta

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ABBOTT	182555	0663402	83.7
BARCELONETA	---	---	200.0
CASERA	---	---	90.2
CRUCE DAVILA 1	182555	0663402	506.3
CRUCE DAVILA 2	182604	0663336	193.3
CIMARRONA	182441	0663439	31.3
NESCAFE	---	---	39.4
PAJONAL	182626	0663452	93.7
TIBURONES	182652	0663452	0.0
UP JOHN	---	---	121.7

WELLS

QUALITY OF WATER OF SELECTED WELLS

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CRUCE DAVILA 1	09/10/80	7.9	0	0.0	77	7.0	24.0	0.4	246	6.0	12.0	0.0	6.0	283	1.50	0.00	0.05
CRUCE DAVILA 2	09/10/80	7.5	0	0.1	122	4.0	36.0	0.8	280	16.0	68.0	0.0	10.0	507	3.10	0.00	0.01
CIMARRONA	09/10/80	7.7	0	0.0	85	22.0	19.0	0.4	237	1.0	11.0	0.0	7.0	241	2.50	0.00	0.11
TIBURONES	07/06/81	7.8	0	0.2	98	21.0	216.0	3.7	183	45.0	326.0	0.3	8.0	998	7.30	0.00	0.02

Table 11. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Barranquitas

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BARRANCA NUEVA	181303	0661840	0.0
BARRANCA VIEJA	181237	0661859	1.1
HELECHAL	181010	0661902	0.0
PALO HINCADO 1	181132	0661958	12.3
PALO HINCADO 2	181130	0662053	17.1

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BARRANCAS-BOTAS	181404	0661853	86.6
BARRANQUITAS	181121	0661815	265.7
BARRANCA VIEJA	181257	0661923	2.0

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BARRANCA NUEVA	03/12/75	8.0	0	2.0	35	4.0	21.0	---	142	6.0	13.0	0.0	33.0	274	1.20	0.00	0.00
BARRANCA VIEJA	12/03/75	7.3	0	0.0	31	12.0	15.0	---	139	7.0	12.0	0.0	35.0	215	0.20	0.00	0.00
HELECHAL	07/06/82	7.4	0	0.7	33	5.0	17.0	0.9	119	11.0	11.0	0.0	4.0	233	0.00	0.14	0.00
PALO HINCADO 1	12/18/80	8.1	0	0.0	25	18.0	11.0	1.1	150	6.0	16.0	0.1	33.0	221	1.00	0.14	0.00
PALO HINCADO 2	12/18/80	7.9	0	0.1	36	11.0	18.0	1.1	149	3.0	14.0	0.2	59.0	227	1.00	0.14	0.00

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BARRANCAS-BOTAS	09/08/82	6.6	5	2.0	43	4.0	13.0	3.6	115	11.0	20.0	0.0	6.0	233	0.70	0.23	0.00
BARRANQUITAS	09/08/82	7.2	0	0.2	37	13.0	7.0	1.9	108	30.0	18.0	0.0	7.0	234	0.60	0.00	0.00
BARRANCA VIEJA	09/08/82	7.0	0	0.2	32	10.0	19.0	0.9	136	9.0	13.0	0.0	7.0	194	0.80	0.22	0.00

Table 12. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Bayamon

WELLS

 N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
80. DAJAOS	181740	0661125	90.0
80. NUEVO	181707	0661104	61.0

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
80. DAJAOS	01/02/83	7.2	50	28.0	31	10.0	26.0	1.4	137	17.0	15.0	0.0	50.0	234	0.30	1.00	0.00
80. NUEVO	01/29/82	7.8	0	1.0	36	8.0	2.0	1.1	53	60.0	14.0	0.0	19.0	229	0.70	0.00	0.00

Table 13. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Cabo Rojo

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CABO ROJO 1	180605	0670754	538.9
CABO ROJO 2	180605	0670754	0.0
CABO ROJO 3	180558	0670753	335.9
CABO ROJO 4	180626	0670751	161.5

WELLS

QUALITY OF WATER OF SELECTED WELLS

 GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CABO ROJO 1	03/26/80	8.1	0	0.0	92	49.0	21.0	0.7	376	66.0	24.0	0.2	55.0	565	0.60	0.00	0.01
CABO ROJO 2	04/03/80	8.1	0	0.0	95	38.0	45.0	0.8	383	59.0	34.0	0.2	50.0	533	1.00	0.00	0.01
CABO ROJO 3	03/26/80	8.1	0	0.0	79	29.0	58.0	0.7	302	25.0	40.0	0.2	48.0	508	1.30	0.00	0.00
CABO ROJO 4	04/03/80	8.2	0	0.0	88	8.0	105.0	1.9	352	33.0	65.0	0.2	42.0	522	1.90	0.00	0.01

Table 14. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Caguas

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BAIROA A	181528	0660217	27.2
BAIROA C	181546	0660221	79.4
BAIROA VIEJA	181537	0660211	60.8
LAS CAROLINAS 1	181510	0660413	21.6
LAS CAROLINAS VIEJO	181511	0660420	26.4
TOMAS DE CASTRO	181102	0660103	8.4
LAKE VIEW	181659	0660112	4.3

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CAGUAS	181142	0660341	2592.5
SAN SALVADOR	180743	0660204	1.8

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER											SURFACE WATER				
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BAIROA A	05/24/83	7.0	0	0.4	59	30.0	14.0	3.3	239	20.0	30.0	0.2	50.0	397	1.30	0.00	0.00
BAIROA C	05/23/83	7.6	0	1.0	37	12.0	--	8.3	107	19.0	27.0	0.2	25.0	260	0.30	0.09	0.00
BAIROA VIEJA	05/23/83	6.9	0	0.4	53	23.0	14.0	2.9	125	22.0	35.0	0.2	42.0	342	1.80	0.00	0.00
LAS CAROLINAS 1	05/19/80	7.6	0	2.2	103	22.0	48.0	5.5	172	26.0	22.0	1.2	73.0	689	0.00	0.48	0.19
LAS CAROLINAS VIEJO	05/23/83	6.5	0	0.0	35	21.0	22.0	3.9	131	31.0	35.0	0.4	61.0	348	2.60	0.00	0.00
TOMAS DE CASTRO	05/19/80	7.7	0	0.4	23	15.0	65.0	0.6	202	23.0	21.0	0.3	75.0	385	1.80	0.09	0.01
LAKE VIEW	05/24/83	7.9	0	0.4	74	24.0	28.0	1.3	203	80.0	40.0	0.3	55.0	486	0.80	0.00	0.10

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CAGUAS	05/24/83	7.8	0	1.0	25	13.0	9.0	1.5	93	16.0	19.0	0.5	32.0	255	0.50	0.00	0.00

Table 15. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Camuy

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
PIEDRA GORDA 1	182636	0665236	31.9
ZANJA I	182710	0665122	44.9
ZANJA III	182708	0665121	127.8

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
QUEBRADA	181858	0664939	186.7

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
PIEDRA GORDA 1	10/17/80	6.8	0	0.3	51	12.0	19.0	0.5	186	---	17.0	0.0	9.0	258	2.50	0.10	0.00
ZANJA I	09/11/80	7.5	0	0.0	80	11.0	27.0	0.6	270	2.0	19.0	0.0	11.0	299	2.60	0.00	0.01
ZANJA III	11/09/80	7.5	0	2.0	89	12.0	12.0	1.0	261	4.0	17.0	0.0	10.0	321	2.40	0.00	0.02

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
QUEBRADA	07/13/82	6.9	0	0.0	26	5.0	5.0	2.1	52	26.0	12.0	0.0	8.0	190	0.60	0.00	0.00

Table 16. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Carolina

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CEDRO (URRUTIA) MASA (LAS 400) VILLA FONTANA	181744	0655458	8.9
	181755	0655503	13.6
	182406	0655822	2.3
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BARRAZA	181917	0655559	16.9

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CEDRO (URRUTIA) MASA (LAS 400) VILLA FONTANA	02/08/83	6.5	5	1.3	61	23.0	22.0	0.7	228	8.0	37.0	0.1	45.0	387	2.30	0.00	0.00
	03/25/83	7.7	40	4.0	16	8.0	7.0	0.5	61	2.0	16.0	0.0	27.0	162	0.20	0.37	0.00
	01/15/80	6.7	0	6.0	31	5.0	33.0	3.3	113	10.0	34.0	0.0	62.0	230	1.60	0.00	0.05
BARRAZA	03/25/83	7.6	20	44.0	48	18.0	55.0	1.3	222	40.0	36.0	0.1	46.0	399	0.50	0.00	0.00

Table 17. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Cayey

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BAUZA 2	180607	0661331	14.0
LA CENTRAL	180743	0660804	25.0
CASERIO NUEVO	180647	0660948	17.5
CASERIO VIEJO	180642	0660951	13.6
FINCA BOSCH	180708	0661026	0.0
HENRY BARRACKS 1	180706	0660908	5.9
HENRY BARRACKS 2	180641	0660918	11.8
LA VEGA 1	180605	0660753	0.0
LA VEGA 2	180720	0660757	12.3
LA VEGA 3	180737	0660711	3.6
MATON 1	180831	0661236	10.2
MATON 2	180722	0661046	13.6
MATON 3	180800	0661236	27.0
MONTELLANDS (BUNGALO)	180718	0660833	63.7
PLANICIE 1	180720	0660757	0.0
PLANICIE 2 (URBANO)	-----	-----	0.0
PLANICIE 2 (RURAL)	180737	0660711	20.5
VALDIVIESO	180657	0660926	0.0

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CAYEY	180630	0661007	883.9
BO. CEDRO	180524	0660836	6.6
CULEBRAS-CAYEY	180405	0660802	42.7
GUAYATE	180742	0660414	253.2
JAJOME ALTO	180337	0660904	3.8
MATON	180758	0661231	0.1
PASTO VIEJO-CAYEY	-----	-----	0.0

Table 17. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Cayey - (Continue)

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
LA CENTRAL	03/04/75	7.7	0	0.0	54	23.0	100.0	---	314	60.0	50.0	0.2	34.0	505	0.40	0.00	0.00
CASERIO NUEVO	04/27/77	7.7	0	0.0	83	24.0	47.0	---	287	23.0	70.0	0.0	43.0	506	2.20	0.15	0.00
CASERIO VIEJO	12/17/80	7.9	0	0.4	60	38.0	10.0	0.6	216	22.0	39.0	0.2	42.0	385	2.90	0.30	0.00
FINCA BOSCH	12/17/81	7.9	0	0.3	67	47.0	64.0	0.6	392	23.0	57.0	0.3	43.0	489	2.10	0.16	0.00
HENRY BARRACKS 1	08/29/73	7.0	0	0.0	54	43.0	60.0	---	316	18.0	79.0	0.1	35.0	545	2.00	0.10	0.00
LA VEGA 2	10/21/81	8.0	20	26.0	41	7.0	52.0	0.8	205	10.0	21.0	0.0	40.0	287	0.10	0.22	0.15
LA VEGA 3	10/20/81	8.1	0	1.4	43	4.0	56.0	0.7	202	11.0	26.0	0.0	36.0	298	0.10	0.61	0.10
MATON 1	12/17/80	8.0	0	0.2	60	23.0	39.0	0.9	267	22.0	30.0	0.2	29.0	328	1.40	0.13	0.00
MATON 2	12/17/80	7.9	0	0.2	59	22.0	36.0	1.0	256	22.0	28.0	0.2	25.0	390	0.30	0.13	0.00
MONTAÑANOS (BUNGALO)	04/27/77	7.4	0	1.0	65	21.0	90.0	---	329	40.0	55.0	0.0	36.0	562	0.90	0.15	0.00
PLANICIE 2 (URBANO)	09/21/83	7.0	5	1.0	46	3.0	123.0	1.6	292	13.0	67.0	0.0	45.0	---	0.10	0.00	0.00
PLANICIE 2 (RURAL)	09/21/83	7.0	5	1.0	46	3.0	123.0	1.6	292	13.0	67.0	0.0	45.0	---	0.10	0.00	0.00
VALDIVIESO	09/16/77	7.5	0	0.0	32	10.0	17.0	---	106	18.0	24.0	0.0	35.0	214	1.30	0.19	0.00

SURFACE WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CAYEY	09/08/82	7.8	5	2.0	28	3.0	6.0	0.9	57	16.0	14.0	0.0	6.0	155	0.10	0.07	0.00
BO. CEDRO	09/08/82	7.6	5	7.4	40	16.0	4.0	1.4	140	7.0	21.0	0.1	7.0	288	0.40	0.15	0.00
CULEBRAS-CAYEY	09/08/82	7.7	0	2.0	33	20.0	---	0.8	106	16.0	16.0	0.0	6.0	207	0.20	0.24	0.00
GUAYATE	11/24/81	7.5	0	1.0	25	---	7.0	0.6	51	7.0	14.0	0.0	29.0	136	0.10	0.21	0.01
JAJOME ALTO	09/08/82	7.5	0	0.4	68	---	12.0	0.5	134	87.0	22.0	0.1	6.0	350	0.10	0.19	0.00
MATON	05/03/75	7.2	-	---	6	5.0	16.0	---	14	30.0	18.0	0.0	24.0	186	0.50	---	0.00
PASTO VIEJO-CAYEY	09/17/73	7.4	0	0.0	35	13.0	33.0	---	176	0.5	26.0	0.0	42.0	275	1.90	0.00	0.00

Table 18. --- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Ciales

WELLS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)	
		LOS RABANOS		182714	0662927	153.4	
		ROSSY		182813	0662812	125.2	
FILTER PLANTS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)	
		CIALES		182024	0662844	292.3	
		CIALITOS		181515	0663130	20.5	
		FRONTON VIEJO		181815	0663357	3.9	
		FRONTON NUEVO		181643	0663212	76.2	

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES																	

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SI02	TDS	NO3-N	Fe	Mn
ROSSY	04/09/81	6.8	0	0.0	55	9.0	10.0	1.8	153	16.0	19.0	0.2	28.0	289	0.70	0.00	0.00
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SI02	TDS	NO3-N	Fe	Mn
CIALES	07/14/82	6.8	0	0.2	39	11.0	2.0	1.4	116	9.0	15.0	0.8	25.0	229	0.60	0.16	0.00
CIALITOS	07/14/82	6.9	0	0.2	14	6.0	7.0	2.1	63	---	8.0	0.0	0.0	126	0.40	0.27	0.00
FRONTON NUEVO	07/14/82	7.2	0	0.1	26	1.0	8.0	1.8	75	---	11.0	0.0	28.0	215	0.40	0.13	0.00

Table 19. -- Public water-supply installations and water-quality analyses for Puerto Rico aqueduct and Sewer Authority facilities at - Cidra

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CALLE BALDORIOTY (AEE 6)	131033	0660940	35.7
BAYAMON	-----	-----	5.7
CEIBA	181147	0661024	30.3
CALLE PADILLA	181036	0660947	35.5
CERCA PLANTA ALCANTARILLADO	181032	0660945	0.0
FRENTE CEMENTERIO	181021	0660943	22.5
POZO EN EL PUENTE (CIDRA 1)	181027	0660858	0.0
EL PUERTO	181045	0660908	0.0
EL PUENTE	181045	0660908	36.2
RABANAL	181026	0661008	19.0
SALIDA CAGUAS	-----	-----	0.0
TREASURE ISLAND	181125	0660921	0.0
VILLA DEL CARMEN	181016	0660927	20.8
ZAPERA	180953	0660652	32.6

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CIDRA	181155	0660828	360.7

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BAYAMON	12/09/80	7.5	0	0.4	39	13.0	13.0	0.7	128	25.0	19.0	0.0	36.0	289	0.70	0.17	0.00
CEIBA	12/09/80	8.0	10	0.9	61	8.0	31.0	0.6	189	23.0	19.0	0.0	47.0	358	1.40	0.52	0.00
CERCA PLT- ALCANT-	03/07/75	7.5	0	0.0	43	28.0	17.0	---	198	15.0	49.0	0.3	62.0	398	3.40	0.00	0.00
POZO EN EL PUENTE	03/07/75	7.3	5	0.0	44	6.0	29.0	---	146	26.0	20.0	0.1	35.0	---	12.50	0.10	0.00
EL PUERTO	03/07/75	7.3	0	0.0	40	16.0	13.0	---	139	15.0	27.0	0.0	57.0	---	1.90	0.00	0.00
EL PUENTE	03/07/75	7.3	5	0.0	44	6.0	29.0	---	146	26.0	20.0	0.1	35.0	---	12.50	0.10	0.00
RABANAL	12/09/80	7.9	5	2.2	64	35.0	35.0	0.8	329	23.0	47.0	0.0	38.0	460	2.10	0.26	1.00
TREASURE ISLAND	03/07/75	7.3	0	0.0	11	11.0	15.0	---	75	3.0	19.0	0.1	43.0	172	3.40	0.15	0.00
VILLA DEL CARMEN	09/12/80	7.5	0	2.0	29	15.0	24.0	1.5	138	13.0	33.0	0.1	18.0	292	1.60	0.25	0.00
ZAPERA	12/09/80	8.2	5	0.1	30	12.0	29.0	0.7	174	6.0	11.0	0.0	44.0	260	1.00	0.11	0.00

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CIDRA	11/24/81	7.5	0	0.7	24	---	13.0	3.7	60	3.0	23.0	0.4	16.0	154	0.00	0.13	0.02

Table 20. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Coamo

WELLS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		PALMAREJO NUEVO (CALABAZAS)		-----	-----	2.1
		PALMAREJO VIEJO (ESCUELA 1)		-----	0661920	0.0
FILTER PLANTS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		COAMO		180702	0662155	486.2
		HAYALES		181035	0662408	40.5
		PULGUILLAS		180921	0662027	48.1

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
COAMO	04/28/82	7.7	0	0.4	45	11.0	17.0	1.7	157	18.0	18.0	0.6	0.0	273	0.30	0.05	0.00
HAYALES	04/28/82	7.8	0	0.6	32	11.0	1.0	1.5	106	3.0	17.0	0.0	31.0	207	0.30	0.37	0.00
PULGUILLAS	04/30/82	7.7	0	0.5	34	13.0	29.0	1.8	157	16.0	22.0	0.1	39.0	261	0.50	0.10	0.01

Table 21. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Comerio

WELLS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
BREAKERS		181333	0661430				0.0
CRUV-ARIEL		181436	0661357				0.0
ESCUELA PASARELL		181332	0661430				0.0
HACIENDA 1		181305	0661449				0.0
HACIENDA 2		181305	0661447				0.0
NARANJO		181325	0661031				42.4
PINAS ABAJO		-----	-----				11.8
PLANTA ALCANTARILLADO (POZO)		181410	0661428				0.0
PASARELL		181334	0661430				33.5
POZO ELEVADO (POLICIA)		181307	0661442				0.0
POZO PARQUE		181307	0661445				0.0
RIO HONDO		181244	0661449				0.0

FILTER PLANTS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
CEDRITOS-COMERIO		181244	0661154				131.0
COMERIO		181333	0661315				226.3
PALOMAS		181348	0661357				2.0

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BREAKERS	12/10/80	7.9	5	0.4	102	31.0	---	0.9	315	72.0	49.0	0.0	35.0	537	1.70	0.53	0.00
CRUV-ARIEL	04/03/75	7.5	0	0.0	68	24.0	26.0	---	233	32.0	42.0	0.1	34.0	403	0.50	0.10	0.00
ESCUELA PASARELL	04/03/75	7.7	0	0.0	62	23.0	42.0	---	238	31.0	50.0	0.2	33.0	430	1.40	0.05	0.00
HACIENDA 1	04/07/77	7.3	0	2.0	52	15	33.0	---	---	---	---	0.0	30.0	---	0.04	0.00	0.00
HACIENDA 2	08/19/77	7.2	0	3.0	103	31.0	45.0	---	329	58.0	66.0	0.0	28.0	620	1.30	0.80	0.00
NARANJO	12/10/80	8.1	-	0.3	17	8.0	12.0	0.8	19	3.0	13.0	0.0	52.0	172	1.40	0.19	0.00
PINAS ABAJO	04/15/77	7.8	0	0.0	71	26.0	27.0	---	245	25.0	50.0	0.0	38.0	453	3.10	0.23	0.00
PLANTA ALCANTARILLADO	04/03/75	7.8	0	0.0	77	6.0	31.0	---	193	35.0	35.0	0.2	31.0	339	7.40	0.10	0.00
PASARELL	04/03/75	7.5	0	0.0	78	28.0	42.0	---	277	35.0	60.0	0.2	34.0	455	5.50	0.10	0.00
POZO ELEVADO	04/03/75	7.7	0	0.0	74	20.0	30.0	---	234	30.0	47.0	0.1	33.0	433	3.20	0.80	0.00
POZO PARQUE	08/29/73	7.3	0	0.0	17	53.0	43.0	---	240	42.0	53.0	0.1	30.0	483	0.80	0.00	0.00
RIO HONDO	08/19/77	7.6	-	5.0	38	13.0	21.0	---	161	4.0	22.0	0.0	25.0	198	0.60	2.00	0.40

SURFACE WATER																	
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CEDRITOS-COMERIO	09/08/82	7.0	0	1.4	34	15.0	23.0	0.9	115	53.0	18.0	0.0	10.0	277	0.80	0.18	0.00
COMERIO	12/18/80	7.6	10	6.4	38	12.0	27.0	2.7	139	28.0	28.0	0.3	22.0	293	0.60	0.40	0.00
PALOMAS	09/08/82	6.7	0	0.1	29	18.0	11.0	1.1	139	3.0	17.0	0.0	9.0	220	1.70	0.00	0.00

Table 22. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Corozal

WELLS

 N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
COROZAL	182005	0661923	550.0
NEGROS	181643	0662003	74.0
PALOS BLANCOS	1817 --	06618 --	200.0

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
COROZAL	02/01/83	7.5	5	3.0	32	12.0	6.0	2.2	94	20.0	22.0	0.5	30.0	249	1.10	0.00	0.00
NEGROS	SI02/01/83	7.3	10	3.0	24	12.0	4.0	2.2	84	9.0	19.0	0.3	28.0	195	0.50	0.00	0.00

Table 23. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Culebra

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CULEBRA 2	181911	0651640	0.0
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
PLANTA DE DESALINIZACION	181820	0651745	15.0

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	S102	TDS	NO3-N	Fe	Mn
CULEBRA 2	09/18/78	7.0	0	0.4	326	60.0	590.0	1.5	357	153.0	130.0	0.0	39.0	---	14.30	0.15	0.00
PLANTA DE DESAL.	05/22/83	7.3	0	0.1	---	7.0	55.0	3.2	12	3.0	99.0	0.1	0.0	226	0.00	0.03	0.00

Table 24. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Dorado

FACILITY NAME	DATE	PH	COLDR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn	ANNUAL AMOUNT (MILLION GALLONS)
SAN ANTONIO 1	01/31/83	7.4	10	2.0	97	11.0	38.0	1.4	236	3.0	80.0	0.0	3.0	446	4.40	0.18	0.00	174.0
SAN ANTONIO 2	01/31/83	7.3	0	1.0	95	16.0	71.0	1.6	227	21.0	148.0	0.0	10.0	551	1.80	0.00	0.00	415.0
FORESTAL	02/02/83	---	10	3.0	98	9.0	11.0	0.8	253	1.0	25.0	0.0	8.0	334	4.20	0.00	0.00	54.8
HIGUILLAR #1	02/02/83	---	5	1.0	91	12.0	0.5	0.9	220	20.0	27.0	0.0	11.0	349	0.00	0.00	0.00	75.0
MAGUAYO 2	01/31/83	7.4	5	3.0	99	9.0	13.0	2.9	253	2.0	34.0	0.0	8.0	365	3.60	0.11	0.00	63.5
MAGUAYO 3	03/25/83	7.3	5	1.0	82	13.0	18.0	1.1	237	4.0	37.0	0.0	8.0	330	2.00	0.00	0.00	4.2
MAGUAYO 4	01/31/83	7.2	5	1.0	92	15.0	12.0	3.4	264	2.0	31.0	0.0	20.0	397	4.20	0.04	0.00	279.0
VIVONI	01/28/83	7.2	0	1.0	93	16.0	23.0	1.3	310	2.0	20.0	0.1	11.0	420	2.20	0.02	0.00	470.0
																		281.0

QUALITY OF WATER OF SELECTED WELLS

 GROUND WATER

Table 25. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Fajardo

WELLS

 N D N E

FILTER PLANTS

 FACILITY NAME
 FAJARDO

LATITUDE
 181740

LONGITUDE
 0654154

ANNUAL AMOUNT
 (MILLION GALLONS)
 2189.0

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
FAJARDO	05/23/83	7.6	5	0.7	15	3.0	10.0	1.2	44	3.0	19.0	0.6	27.0	142	0.30	0.00	0.00

Table 26. --- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Guanica

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ARENAS	175930	0665345	28.9
LOS CANOS	175819	0665349	244.5
ENSENADA	175843	0665417	136.6
GUANICA NUEVO	175859	0665412	232.0
GUANICA VIEJO	180052	0665235	233.5
PALOMAS	180151	0665315	11.4
RIO LOCO			120.9
SANTA RITA			229.3

QUALITY OF WATER OF SELECTED WELLS

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
LOS CANOS	06/19/80	7.6	0	0.0	20	50.0	27.0	1.8	263	24.0	18.0	0.1	52.0	405	2.20	0.12	0.02
ENSENADA	06/19/80	7.8	0	0.0	45	90.0	53.0	1.1	996	50.0	33.0	0.1	50.0	655	2.30	0.25	0.02
GUANICA NUEVO	06/19/80	7.8	5	0.1	49	30.0	49.0	1.7	481	60.0	63.0	0.2	52.0	890	3.00	0.20	0.01
GUANICA VIEJO	06/19/80	7.8	5	0.0	45	85.0	144.0	1.9	509	78.0	125.0	0.1	52.0	895	5.10	0.13	0.01
PALOMAS	05/29/74	8.6	0	0.0	24	57.0	19.0	---	281	19.0	27.0	0.2	44.0	417	2.60	0.05	0.00
RIO LOCO	09/11/74	8.7	0	0.0	36	64.0	39.0	---	239	22.0	125.0	0.0	51.0	587	5.40	0.02	0.00
SANTA RITA	05/29/74	8.6	0	0.0	24	57.0	19.0	---	281	19.0	27.0	0.2	44.0	417	2.60	0.05	0.00

Table 27. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Guayama

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CIMARRONA	175845	0661044	0-0
FIBERS 1	175716	0660838	90-3
FIBERS 2	175735	0660901	0-0
FIBER 4	-----	-----	0-0
FIBER 5	175729	0660925	7-7
MAREAS	175627	0660841	14-5
PUENTE JOBOS 2	175724	0660953	85-0
VILLODAS	175808	0661003	66-1

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CARITE	180552	0660427	32-3
CARMEN	180214	0660918	5-3
GUAMANI-GUAYAMA	180223	0660626	68-3
GUAYAMA	180711	0660637	1288-5

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										SURFACE WATER					
		PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CIMARRONA	01/02/82	7.5	5	0.0	16	60.0	84.0	1-6	340	28.0	52.0	0.0	42.0	0	8-60	0-15	0-00
FIBERS 1	11/26/80	7.5	0	0.3	29	22.0	43.0	0.5	200	20.0	25.0	0.2	30.0	289	0-00	0-00	0-00
FIBERS 2	11/26/80	7.5	3	0.4	59	35.0	120.0	0.6	437	30.0	54.0	0.4	38.0	605	2-40	0-14	0-00
FIBER 4	11/26/80	7.5	18	14.0	32	35.0	54.0	0.4	233	40.0	41.0	0.3	36.0	389	2-10	0-22	0-00
FIBER 5	11/26/80	7.3	0	0.5	39	24.0	44.0	0.3	213	15.0	39.0	0.2	36.0	334	1-90	0-09	0-00
MAREAS	11/26/80	7.5	0	0.7	65	21.0	60.0	0.7	279	22.0	54.0	0.3	37.0	416	0-80	0-13	0-00
PUENTE JOBOS 2	03/17/77	7.7	0	3.0	62	29.0	108.0	---	398	33.0	50.0	0.3	38.0	572	10-00	0-08	0-00

FACILITY NAME	DATE	SURFACE WATER															
		PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CARITE	09/08/82	7.7	5	0.2	32	5.0	18.0	1.0	42	70.0	19.0	0.0	2.0	147	0-30	0-81	0-00
CARMEN	06/25/82	7.0	0	0.8	57	15.0	52.0	0.9	272	5.0	30.0	0.1	26.0	358	0-60	0-00	0-00
GUAMANI-GUAYAMA	11/26/80	8-3	5	2.4	12	3.0	12.0	0.7	47	6.0	12.0	0.1	19.0	92	0-00	0-00	0-00
GUAYAMA	09/14/82	7.7	0	1.0	27	3.0	7.6	1-6	46	33.0	11.0	0.8	3.0	53	0-52	0-01	0-00

Table 28. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Guayanilla

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
GUAYANILLA NUEVA	-----	-----	76.4
GUAYANILLA VIEJA	-----	-----	159.8
INDIOS	180022	0664825	54.8
QUEBRADA #2	180152	0666475	130.8
LOS SITIOS	180135	0664736	40.9
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
JAGUA PASTO	180609	0664724	89.2

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
GUAYANILLA VIEJA	06/11/80	7.6	0	0.0	83	18.0	21.0	1.8	248	72.0	3.0	0.2	25.0	339	3.10	0.16	0.02
INDIOS	06/19/80	7.4	0	0.1	83	1.8	42.0	1.8	242	75.0	37.0	0.3	16.0	480	1.90	0.26	0.02
QUEBRADA #2	03/20/78	7.6	0	0.7	89	21.0	52.0	2.3	236	126.0	49.0	0.0	30.0	566	14.40	0.13	0.00
LOS SITIOS	06/19/80	7.4	0	0.0	99	23.0	59.0	1.8	261	116.0	56.0	0.2	28.0	605	3.00	0.16	0.00
SURFACE WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
JAGUA PASTO	04/27/82	8.1	0	0.9	49	9.0	4.0	1.4	123	36.0	11.0	0.0	15.0	256	0.20	0.70	0.02

Table 29. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Guaynabo

WELLS

 N O N E

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
LOS FILTROS	182250	0660716	9243.4

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	S102	TDS	NO3-N	Fe	Mn
LOS FILTROS	03/25/83	7.3	5	2.0	31	16.0	5.0	3.0	96	19.0	27.0	0.1	22.0	213	0.70	0.00	0.00

Table 30. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Gurabo

WELLS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
-----		-----		-----		-----	
FACILITY NAME							
GURABO (EXPERIMENTAL)		181552	0655929				286.5

QUALITY OF WATER OF SELECTED WELLS																	

GROUND WATER																	

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
GURABO	05/24/83	7.1	0	0.2	56	45.0	43.0	1.9	238	95.0	60.0	0.2	53.0	550	0.30	0.06	0.05

Table 31. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Matillo

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CAMPO ALEGRE 1	182431	0664651	45.0
CAMPO ALEGRE 3	182447	0664738	60.6
CORCOVADA	182724	0664637	0.0
PAJUIL	182550	0664718	44.6
LA PALOMA 1	182622	0664816	51.8
LA PALOMA 2	182636	0664750	72.1
SOLLER	182212	0665342	73.7

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MATILLO-CAMUY	182851	0665005	706.1

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CAMPO ALEGRE 1	09/11/80	7.5	0	0.0	71	7.0	30.0	0.8	243	9.0	11.0	0.0	12.0	289	2.50	0.00	0.02
CAMPO ALEGRE 3	10/17/80	7.4	0	0.0	79	9.0	17.0	0.8	240	3.0	13.0	0.0	10.0	284	1.00	0.00	0.02
PAJUIL	06/12/78	7.5	0	0.0	44	28.0	15.0	1.9	223	2.0	17.0	0.0	9.0	383	---	0.22	0.00
LA PALOMA 1	11/09/80	7.3	5	0.0	74	11.0	20.0	0.6	241	2.0	15.0	0.0	9.0	---	2.80	0.00	0.01
LA PALOMA 2	11/09/80	7.3	0	1.0	101	5.0	11.0	0.6	261	---	17.0	0.0	10.0	345	3.00	0.00	0.02
SOLLER	03/02/81	7.3	0	0.6	32	52.0	3.0	1.7	262	27.0	10.0	1.0	10.0	---	0.00	0.10	0.00

SURFACE WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
MATILLO-CAMUY	07/15/82	7.0	0	0.0	67	---	1.0	1.6	129	27.0	9.0	1.0	6.0	260	1.20	0.37	0.00

Table 33. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Humacao

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MAMBICHE 3	181101	0654801	36.0
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
HUMACAO-LAS PIEDRAS	181022	0655203	962.9

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										Mn					
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl		F	SI02	TDS	NO3-N	Fe
MAMBICHE 3	05/24/83	7.6	0	1.5	41	17.0	21.0	0.7	170	3.0	29.0	0.3	44.0	301	2.20	0.00	0.00
SURFACE WATER																	
MUMACAO-LAS PIEDRAS	05/24/83	7.6	0	2.0	24	12.0	6.0	1.6	60	31.0	21.0	0.5	39.0	216	0.50	0.00	0.00

Table 32. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Hormigueros

FACILITY NAME		MILLS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
HORMIGUEROS 1		180801		0670733		128.3			
HORMIGUEROS 2		180730		0670725		117.2			
HORMIGUEROS 3		180728		0670730		172.9			
JAGUITA						29.3			

QUALITY OF WATER OF SELECTED WELLS																	
GROUND WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
HORMIGUEROS 1	03/25/80	7.9	5	1.0	71	42.0	29.0	0.8	365	23.0	20.0	0.3	42.0	457	0.00	0.25	0.45
HORMIGUEROS 2	03/25/80	8.0	0	0.0	64	59.0	33.0	0.7	334	17.0	20.0	0.2	52.0	414	0.10	0.12	0.02
HORMIGUEROS 3	03/25/80	8.2	5	1.0	52	31.0	40.0	0.6	300	20.0	20.0	0.2	54.0	407	0.40	0.00	0.02
JAGUITA	03/25/80	7.6	5	0.0	121	15.0	57.0	1.1	351	31.0	87.0	0.2	40.0	552	1.40	0.00	0.02

Table 34. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Isabela

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ARENALES	182151	0663727	2.5
WELLS -----			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ISABELA LLANADAS	182835 182629	0670153 0665850	842.1 62.7
FILTER PLANTS -----			

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ISABELA	07/12/82	6.8	0	0.0	57	2.0	5.0	1.4	136	10.0	14.0	0.2	5.0	241	0.05	0.22	0.00
LLANADAS	07/15/82	7.0	0	0.4	65	2.0	2.0	1.6	145	7.0	15.0	0.0	7.0	242	0.90	0.00	0.00

Table 35. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Jayuya

FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
WELLS				

CAYUCO		181725	0664346	0-0
JAYUYA 3		181258	0663552	0-0
JAYUYA 4		181304	0663622	0-0
JAYUYA 5		181255	0663555	0-0
JAYUYA 6		181258	0663555	0-0
JAYUYA 7		181310	0663533	0-0
JAYUYA 8		181303	0663620	0-0
FILTER PLANTS				

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)	
CANALIZA (CANDIJO)	181057	0663840	22-0	
COABEY	181151	0663217	15-2	
JAYUYA	181333	0663502	193-2	
LA PICA	180953	0663953	21-8	
LIMON	181725	0663600	7-9	
MAMEYES-JAYUYA	181504	0663518	30-3	
VEGUITA	181129	0663524	50-2	

 QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										F	SiO2	TDS	NO3-N	Fe	Mn	
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl							
JAYUYA 3	06/99/78	7.0	10	28-0	36	---	39-0	2.7	92	58-0	20-0	0-1	28-0	177	2-50	1-89	0-00	
JAYUYA 4	10/20/69	7.6	0	0-0	16	8-0	11-0	---	69	8-0	13-0	0-0	25-0	124	2-20	0-05	0-05	
JAYUYA 5	06/99/78	7.0	0	0-0	42	1-0	40-0	2.9	106	12-0	55-0	0-1	29-0	182	0-40	0-10	0-00	
JAYUYA 6	06/99/78	7.2	0	0-0	34	8-0	17-0	2.9	112	11-0	23-0	0-0	27-0	194	0-40	0-14	0-00	
JAYUYA 7	05/08/78	7.7	0	0-0	38	16-0	27-0	6-2	147	25-0	32-0	0-0	34-0	293	8-30	0-12	0-00	
JAYUYA 8	05/08/78	7.4	0	1-0	35	11-0	15-0	2.5	132	13-0	18-0	0-0	26-0	210	0-30	0-23	0-00	
SURFACE WATER																		
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn	
CANALIZA (CANDIJO)	09/28/81	7.7	0	0-4	17	3-0	5-0	1-1	10	43-0	7-0	0-0	12-0	108	0-80	0-00	0-00	
COABEY	07/14/82	7.3	0	0-0	12	1-0	3-0	0-6	32	---	6-0	0-0	26-0	107	0-50	0-00	0-00	
JAYUYA	07/14/82	7.2	0	0-0	16	3-0	9-0	1-4	52	7-0	13-0	0-0	19-0	128	0-00	0-00	0-00	
LA PICA	07/14/82	7.1	0	0-0	17	5-0	9-0	1-4	72	---	9-0	0-0	4-0	148	0-20	0-10	0-00	
LIMON	07/14/82	7.0	0	0-1	12	4-0	8-0	1-8	50	---	10-0	0-0	27-0	141	0-70	0-00	0-00	
MAMEYES-JAYUYA	07/14/82	7.3	0	0-0	12	1-0	9-0	1-3	36	---	11-0	0-0	13-0	129	0-50	0-23	0-00	
VEGUITA	07/14/82	7.0	0	0-0	11	8-0	7-0	1-3	42	---	23-0	0-0	23-0	111	0-80	0-00	0-00	

Table 36. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Juana Diaz

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
AGUILITA VIEJA (PARQUE VIEJO)	180135	0663205	0.0
AMELIA	-----	-----	75.4
AGUILITA NUEVA (PARQUE NUEVO)	180004	0663156	0.0
ARUZ VIEJA (PUENTE)	180007	0663142	55.8
ARUZ NUEVO (ESCUDELA)	180254	0663114	100.5
AUTOPISTA	180146	0663055	221.6
CASANOVA	180511	0663212	118.0
CAYABO	180156	0663029	18.4
DAYAN	180135	0663132	94.3
EXPERIMENTAL (AGUILITA)	-----	-----	87.2
HUBELLES	-----	-----	3.6
J. DIAZ RIO (RIO CANAS)	180038	0662808	40.4
JUANA DIAZ I (PUENTE)	180316	0663041	168.5
JUANA DIAZ II (LA CEIBA)	180320	0663045	77.5
JUANA DIAZ III	180316	0663041	86.1
MUNERAS	180558	0664047	10.5
SANTO DOMINGO	180302	0663037	6.6
VERTEDERO	180209	0663040	81.2

WELLS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
COLLORES	180724	0663205	32.3
JUANA DIAZ	180350	0663015	222.1

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ARUZ VIEJA	06/18/80	7.6	0	0.2	60	15.0	28.0	1.4	214	30.0	19.0	0.1	26.0	375	1.20	0.29	0.02
ARUZ NUEVO	06/17/80	7.7	0	0.0	69	13.0	42.0	1.5	228	37.0	34.0	0.1	27.0	447	1.40	0.13	0.02
CAYABO	06/20/80	7.3	0	0.0	120	9.0	43.0	---	306	33.0	53.0	0.2	34.0	505	4.90	0.18	0.02
DAYAN	11/10/77	7.9	0	8.7	63	20.0	83.0	---	290	85.0	26.0	0.2	19.0	490	10.00	0.43	0.00
J. DIAZ RIO	06/25/80	7.7	0	0.0	67	19.0	24.0	1.5	248	20.0	19.0	0.1	23.0	375	1.50	0.15	0.00
JUANA DIAZ I	06/20/80	7.8	0	0.0	35	11.0	20.0	1.8	144	12.0	15.0	0.1	21.0	273	0.60	0.10	0.01
JUANA DIAZ II	06/20/80	7.7	0	0.0	63	14.0	22.0	1.6	229	15.0	12.0	0.1	28.0	263	0.70	0.15	0.01
MUNERAS	02/28/78	7.6	0	1.4	47	9.0	15.0	---	150	16.0	14.0	0.0	18.0	216	3.00	0.25	0.00
SANTO DOMINGO	06/20/80	7.6	0	0.0	95	5.0	86.0	1.1	240	60.0	53.0	0.0	46.0	517	6.40	0.54	0.01
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
COLLORES	04/29/82	7.9	0	1.0	29	6.0	7.0	0.8	92	5.0	9.0	0.0	25.0	134	0.20	0.19	0.00
JUANA DIAZ	04/29/82	7.7	0	0.6	54	8.0	7.0	1.5	167	12.0	16.0	0.6	36.0	328	4.90	0.07	0.05

Table 37. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Juncos

WELLS

 N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CAIMITO	181538	0655114	0.5
JUNCOS	181504	0655045	567.6
PLANTA REMOCION DE HIERRO	181450	0655106	515.1

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CAIMITO	05/19/80	8.1	0	2.0	40	3.0	22.0	0.7	92	---	49.0	0.0	27.2	388	1.00	0.36	0.01
JUNCOS	05/20/83	7.2	0	0.1	33	15.0	16.0	2.7	142	5.0	25.0	0.5	35.0	253	0.60	0.10	0.00
PLANTA REMOCION	05/20/83	6.7	0	0.0	72	12.0	17.0	2.3	166	60.0	55.0	0.3	45.0	440	0.90	0.06	0.30

Table 38. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Lajas

WELLS

 N O N E

FILTER PLANTS

FACILITY NAME LAJAS	LATITUDE 180244	LONGITUDE 0670318	ANNUAL AMOUNT (MILLION GALLONS) 555.1
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QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME LAJAS	DATE 02/21/81	PH 7.8	COLOR 0	TUR 1.0	Ca 33	Mg 11.0	Na ---	K 2.2	CaCO3 99	SC4 14.0	Cl 11.0	F 0.1	SiO2 14.0	TDS 192	NO3-N 0.30	Fe 0.00	Mn 0.00
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Table 39. --- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Lares

WELLS -----		N O N E -----		FILTER PLANTS -----		ANNUAL AMOUNT (MILLION GALLONS)
FACILITY NAME	LATITUDE	LONGITUDE	FACILITY NAME	LATITUDE	LONGITUDE	
BARTOLO 1	181059	0665053	BARTOLO 1	181059	0665053	16.7
BARTOLO 2	181059	0665053	BARTOLO 2	181059	0665053	26.3
CASTANER	181024	0664940	CASTANER	181024	0664940	35.1
LARES	181718	0665228	LARES	181718	0665228	248.1
LARES	181719	0665227	LARES	181719	0665227	261.7
MIRASOL	181310	0665020	MIRASOL	181310	0665020	56.9
RIO PRIETO	180846	0664931	RIO PRIETO	180846	0664931	10.3

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BARTOLO 1	07/15/82	6.9	0	0.0	44	11.0	8.0	0.9	156	---	12.0	0.0	---	240	0.80	0.16	0.00
BARTOLO 2	07/15/82	6.9	0	0.0	44	11.0	8.0	0.9	156	---	1.2	0.0	---	240	0.80	0.00	0.00
CASTANER	07/15/82	6.8	0	0.2	58	9.0	7.0	0.8	163	11.0	15.0	0.0	17.0	289	0.60	0.13	0.00
LARES	07/13/82	7.1	0	0.0	29	4.0	13.0	2.5	66	31.0	13.0	0.5	20.0	218	0.60	0.00	0.00
LARES	07/13/82	7.1	0	0.0	29	4.0	13.0	2.5	66	31.0	13.0	0.5	21.0	218	0.60	0.12	0.00
MIRASOL	09/30/81	7.8	0	4.0	14	2.0	6.0	2.2	39	3.0	7.0	0.0	24.0	115	2.60	0.00	0.00
RIO PRIETO	07/13/82	6.8	0	0.0	35	10.0	5.0	0.9	118	---	---	0.0	---	185	0.60	0.00	0.00

Table 40. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Las Marias

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CONSUMO	181245	0670154	33.0

WELLS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ESPINO	181455	0665429	17.2
LA JOSEFA (BUCARABONES)	181206	0665710	23.6
LAS MARIAS	181447	0665906	139.3
NARANJALES	181228	0665932	14.5
BO. VISTA	181525	0665725	17.6

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
ESPINO	12/17/82	7.9	5	1.0	34	17.0	7.0	1.3	110	29.0	14.0	0.1	36.0	220	3.20	0.00	0.00
LA JOSEFA	12/17/82	8.1	5	2.0	26	8.0	8.0	1.4	94	5.0	9.0	0.0	28.0	189	2.40	0.00	0.00
LAS MARIAS	02/21/81	7.6	0	1.0	26	9.0	6.0	1.7	101	4.0	8.0	1.0	31.0	182	0.60	0.00	0.00
NARANJALES	12/16/82	7.8	5	1.0	28	5.0	2.0	1.1	73	7.0	8.0	0.0	18.0	136	1.50	0.00	0.00
BO. VISTA	12/17/82	6.0	0	1.0	19	12.0	3.0	1.0	78	---	10.0	0.0	36.0	150	3.10	0.00	0.00

Table 41. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Las Piedras

WELLS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		BOQUERON 2		181307	0655014	34.8
FILTER PLANTS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		PASTO SECO		181510	0654929	17.4

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										TDS	NO3-N	Fe	Mn		
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl					F	SiO2
BOQUERON 2	05/23/83	6.9	0	0.4	61	25.0	24.0	2.3	240	18.0	32.0	0.2	65.0	424	1.70	0.00	0.00
SURFACE WATER																	
PASTO SECO	05/23/83	7.8	0	0.6	22	7.0	4.0	0.8	65	---	20.0	0.2	37.0	156	0.10	0.09	0.00

Table 42. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Luquillo

WELLS

 N O N E

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
LUQUILLO	181953	0654337	807.0

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO ₃	SO ₄	Cl	F	SiO ₂	TDS	NO ₃ -N	Fe	Mn
LUQUILLO	05/23/83	7.8	0	0.0	12	6.0	7.0	1.1	48	---	16.0	0.5	26.0	150	0.20	0.00	0.00

Table 43. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Manati

FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)	
BOQUILLAS		182807	0662934	182.6	
COTTO NORTE 1 (CAVALO)		182623	0662730	101.6	
COTTO NORTE 2		182630	0662730	29.9	
COTTO NORTE 3		182547	0662630	7.6	
COTO SUR 1		182737	0662750	298.0	
COTO SUR 2 (PUESLITO)		182550	0662647	95.7	
COTO SUR 3 (ROCHE)		182635	0662752	198.1	
COTO SUR 4 (MONACO)		182510	0662901	98.5	
MANATI		182609	0662053	143.0	
MANATI 1		182546	0663006	369.2	
MANATI 2		182549	0663002	352.3	
MANATI 3		182609	0663053	222.0	
MONTE BELLO 2		182410	0663123	38.2	
MONTE BELLO 4		182212	0663143	46.1	
MONTE BELLO 5		182426	0663353	64.3	
RIO ARRIBA 2		182311	0662750	46.1	
RIO ARRIBA 3		182316	0662738	14.4	
SOBRINO		182616	0662557	30.8	

FACILITY NAME		DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BOQUILLAS		07/06/81	7.8	0	0.5	83	18.0	62.0	2.8	224	19.0	116.0	0.3	20.0	558	3.60	0.00	0.00
COTTO NORTE 1		07/06/81	7.8	0	0.0	112	21.0	216.0	3.8	197	41.0	406.0	0.2	8.0	124	7.30	0.00	0.02
COTTO NORTE 2		06/27/78	7.1	0	1.0	87	10.0	12.0	3.1	223	10.0	29.0	0.0	9.0	341	---	0.08	0.00
COTO SUR 1		10/09/80	7.5	0	0.0	100	4.0	18.0	0.8	248	1.0	21.0	0.0	8.0	335	8.40	0.00	0.03
COTO SUR 2		10/19/80	7.4	0	0.0	87	2.0	12.0	0.7	205	---	15.0	0.0	12.0	297	6.60	0.00	0.03
COTO SUR 3		10/09/80	7.4	0	0.0	109	6.0	25.0	1.0	235	7.0	62.0	0.0	10.0	485	6.20	0.06	0.01
COTO SUR 4		09/___/81	6.9	-	---	83	16.0	13.0	0.9	232	7.8	20.0	0.1	8.5	---	4.70	0.05	0.00
MANATI		01/31/83	7.4	-	---	75	23.0	24.0	1.3	293	7.0	25.0	0.1	23.0	356	1.80	0.16	0.00
MANATI 1		01/13/82	7.5	0	0.6	101	15.0	29.0	1.5	256	18.0	53.0	0.0	19.0	392	6.00	0.14	0.00
MANATI 2		07/06/81	8.1	0	0.0	53	7.0	39.0	1.3	215	10.0	14.0	0.4	22.0	315	0.90	0.20	0.00
MANATI 3		01/13/82	7.5	0	1.0	99	18.0	35.0	1.5	257	16.0	52.0	0.0	27.0	454	6.90	0.08	0.01
MONTE BELLO 2		10/17/80	7.6	0	0.0	85	14.0	15.0	0.5	273	---	14.0	0.0	5.0	312	2.60	0.06	0.00
MONTE BELLO 4		10/17/80	7.2	0	0.0	85	7.0	18.0	0.4	265	3.0	13.0	0.0	6.0	302	2.20	0.00	0.00
MONTE BELLO 5		10/17/80	7.2	0	0.0	85	11.0	11.0	0.7	270	2.0	11.0	0.0	5.0	320	2.30	0.00	0.00
RIO ARRIBA 2		10/17/80	6.9	0	1.0	90	30.0	44.0	1.3	348	37.0	34.0	0.0	13.0	432	1.90	0.17	0.00
RIO ARRIBA 3		10/17/80	7.1	0	0.0	125	11.0	35.0	1.4	353	31.0	31.0	0.0	11.0	462	2.40	0.13	0.00
SOBRINO		09/20/82	6.6	0	1.1	63	16.0	27.0	3.9	238	11.0	23.0	0.0	9.0	---	3.90	0.00	0.00

Table 46. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Maricao

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MARICAO 1	181013	0665853	0.0
WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BUCARABONES I	181035	0665538	23.6
BUCARABONES II	181040	0665538	13.6
INDIERA ALTA	180923	0665233	17.7
MARICAO	181005	0665857	131.4
MONTE ESTADO	180933	0665627	52.6

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SD4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BUCARABONES I	12/16/82	8.0	0	1.7	51	2.0	18.0	2.3	142	9.0	11.0	0.0	24.0	259	3.00	0.10	0.00
INDIERA ALTA	12/16/82	7.9	0	1.0	33	10.0	12.0	2.4	116	6.0	13.0	0.0	30.0	201	3.40	0.00	0.00
MARICAO	12/16/82	8.0	5	1.0	20	7.0	---	1.2	113	4.0	---	0.0	26.0	208	1.90	0.00	0.00
MONTE ESTADO	12/16/82	7.8	5	1.0	24	6.0	17.0	2.8	97	4.0	12.0	0.0	28.0	207	3.50	0.10	0.00

Table 45. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Maunabo

WELLS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		POZO 1 (MAUNABO)		180010	0655346	60.0
		POZO 4 (URB. SAN PEDRO)		180013	0655321	62.5
		CALZADA		180013	0655355	100.0
FILTER PLANTS		FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
		MATUYAS-MAUNABO		180235	0655803	26.3

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	S102	TDS	NO3-N	Fe	Mn
POZO 1 (MAUNABO)	11/09/81	7.1	0	0.8	49	23.0	55.0	1.8	202	71.0	41.0	0.0	40.0	438	2.50	0.14	0.00
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	S102	TDS	NO3-N	Fe	Mn
MATUYAS-MAUNABO	11/24/81	7.7	0	0.7	27	0.6	16.0	0.8	59	19.0	19.0	0.3	34.0	214	0.30	0.13	0.00

Table 46. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Mayaguez

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MARINI 1	181251	0670527	86.6
MARINI 2	181224	0670427	35.2
MARINI 3	-----	-----	0.0
ROSARIO 3	180852	0670517	42.1

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MAYAGUEZ VIEJO	181217	0670736	642.8
MIRADERO-MAYAGUEZ	181342	0670825	4995.0

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										SURFACE WATER					
		PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
ROSARIO 3	04/04/79	8.3	10	2.0	15	26.0	2.0	0.4	125	8.0	11.0	0.1	57.0	196	1.60	0.00	0.03
MAYAGUEZ VIEJO	02/26/81	8.3	0	2.0	33	10.0	8.0	1.6	124	6.0	8.0	0.0	32.0	201	0.00	0.00	0.00
MIRADERO-MAYAGUEZ	02/26/81	8.3	5	---	32	8.0	6.0	1.6	106	9.0	7.0	0.0	26.0	174	0.40	0.00	0.23

Table 47. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Moca

FACILITY NAME		WELLS		ANNUAL AMOUNT (MILLION GALLONS)	
		LATITUDE	LONGITUDE		
ROCHA 1		182435	0670207	1-2	
ROCHA 2		182437	0670355	19-8	

QUALITY OF WATER OF SELECTED WELLS																	
GROUND WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ROCHA 2	09/22/81	7.9	0	1.2	56	18.0	41.0	2.2	252	25.0	19.0	0.0	13.0	285	0.00	0.15	0.00

Table 48. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Morovis

WELLS		FILTER PLANTS		ANNUAL AMOUNT
-----		-----		(MILLION GALLONS)
N D N E				
-----		-----		
FACILITY NAME	LATITUDE	LONGITUDE		
MOROVIS	181838	0662436	350.4	
MOROVIS SUR	181838	0662436	309.9	
SANAMUERTOS	181539	0662441	64.9	

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	S102	TDS	NO3-N	Fe	Mn
MOROVIS	09/28/81	7.7	0	1.0	39	2.0	9.0	2.6	69	23.0	19.0	0.5	37.0	231	2.10	0.20	0.00
MOROVIS SUR	07/14/82	7.0	0	0.2	35	9.0	7.0	1.7	109	9.0	15.0	0.0	27.0	226	0.50	0.16	0.00
SANAMUERTOS	07/14/82	7.0	0	0.0	27	11.0	2.0	1.8	95	5.0	12.0	0.0	---	194	0.70	0.00	0.00

Table 49. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Naguabo

WELLS

 N O N E

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
RIO BLANCO	181318	0654705	3584.1
CUBUY	181601	0654538	28.4
CUCHILLA-HIGUERILLO	181407	0654854	42.1
NAGUABO	181443	0654450	459.7

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
RIO BLANCO	05/20/80	7.5	---	13.0	11	3.0	2.0	0.9	34	2.0	11.0	0.0	19.0	127	0.40	0.00	0.60
CUBUY	05/24/83	7.6	0	2.5	14	3.0	7.0	0.8	47	1.0	12.0	0.1	33.0	126	0.10	0.22	0.00
CUCHILLA-HIGUERILLO	05/24/83	8.1	0	3.5	21	16.0	11.0	0.7	117	0.0	17.0	0.2	43.0	213	0.40	0.00	0.00
NAGUABO	05/24/83	8.1	0	4.0	21	8.0	8.0	1.6	71	8.0	19.0	0.3	25.0	174	0.40	0.71	0.00

Table 50. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Naranjito

WELLS

 N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ANONES	181611	0661427	26.3
80. CEDRO ARRIBA	181454	0661738	303.0
MARANJITO FILTRATION PLANT	181746	0661530	271.0

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ANONES	02/02/83	7.2	10	3.0	31	9.7	14.0	1.3	119	2.0	20.0	0.0	30.0	222	0.50	0.03	0.00
80. CEDRO ARRIBA	02/01/83	7.2	5	5.0	33	3.2	8.0	2.2	114	23.0	17.0	0.0	37.0	278	1.10	0.00	0.00
MARANJITO	01/28/82	7.9	0	1.0	34	13.0	25.0	1.5	94	26.0	19.0	0.0	27.0	211	1.50	0.00	0.00

Table 51. --- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Orocovis

WELLS

 N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
BAUTA	181105	0662341	12-1
MATRULLAS	181111	0662842	107-2
OROCOVIS	181237	0662344	684-4

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
BAUTA	04/28/82	7.8	0	0.5	30	7.0	4.0	1.4	93	2.0	15.0	0.0	45.0	217	1.20	0.09	0.04
MATRULLAS	04/28/82	7.8	0	0.5	28	12.0	31.0	0.8	191	--	9.0	0.0	22.0	266	0.20	0.11	0.00
OROCOVIS	04/28/82	7.9	0	1.0	24	14.0	---	1.2	100	4.0	14.0	0.0	35.0	181	0.40	0.15	0.00

Table 52. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Patillas

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
JACABOAS I	175959	0655823	49.7
JACABOAS II	175911	0655811	56.0
JACABOAS III	175928	0655802	29.5
JACABOAS IV	175948	0655807	35.7
POZO I (PATILLAS)	180042	0660136	36.3
POZO II (PATILLAS)	180028	0660121	63.6
POZO IV (PATILLAS)	180017	0660044	55.9
POZO V (PATILLAS)	-----	-----	29.6

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MARIN BAJO	180314	0655912	3.2
LOS POLLOS	180116	0655914	130.1

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										SURFACE WATER					
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
JACABOAS I	11/25/80	6.9	0	0.5	32	17.0	43.0	0.8	150	36.0	35.0	0.1	49.0	372	2.60	0.15	0.00
JACABOAS II	08/23/73	8.0	0	0.0	28	21.0	36.0	---	184	13.0	28.0	0.1	45.0	305	1.40	0.05	0.00
JACABOAS III	11/25/80	7.2	-	2.1	39	24.0	30.0	0.5	169	15.0	51.0	0.1	44.0	328	2.10	0.04	0.00
POZO I (PATILLAS)	11/25/80	7.3	0	0.6	40	7.0	29.0	0.5	145	16.0	22.0	0.1	27.0	234	1.00	0.68	0.00
POZO II (PATILLAS)	11/25/80	7.2	5	0.5	53	19.0	58.0	0.5	228	48.0	36.0	0.2	47.0	415	3.70	0.10	0.00
POZO IV (PATILLAS)	11/25/80	7.2	-	1.6	63	14.0	64.0	0.9	217	42.0	62.0	0.2	35.0	415	2.30	0.12	0.00
FACILITY NAME		DATE	GROUND WATER										SURFACE WATER				
MARIN BAJO	09/08/82	7.8	0	0.2	15	11.0	1.0	0.8	61	5.0	14.0	0.0	9.0	151	0.70	0.16	0.00
LOS POLLOS	09/08/82	7.7	0	0.6	22	10.0	14.0	0.6	67	26.0	23.0	0.0	6.0	199	0.30	0.23	0.00

Table 62. --- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - San Lorenzo

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
QUEBRADA ARENAS	180703	0655612	15.6
ESPINO	180650	0660142	137.4
QUEBRADA HONDA	180840	0660039	9.6
PLANTA 80. JAGUAL	180912	0660101	92.3
SAN LORENZO	180926	0655729	847.9

WELLS

 N O N E

FILTER PLANTS

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
QUEBRADA ARENAS	04/26/79	7.4	0	0.8	8	4.0	14.0	1.2	32	4.0	15.0	0.0	28.0	112	2.80	0.00	0.00
ESPINO	05/20/83	7.4	0	0.3	14	5.0	6.0	1.2	50	2.0	12.0	0.2	32.0	154	0.40	0.00	0.00
QUEBRADA HONDA	05/20/83	7.3	0	0.1	22	10.0	2.0	1.1	72	9.0	15.0	0.2	37.0	201	0.80	0.00	0.00
PLANTA 80. JAGUAL	05/20/83	7.3	0	0.1	35	8.0	11.0	2.1	98	15.0	26.0	0.9	37.0	253	0.40	0.09	0.00
SAN LORENZO	05/20/83	6.9	0	0.1	16	7.0	2.0	1.6	43	13.0	13.0	1.4	38.0	186	0.60	0.00	0.00

Table 53. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Penuelas

WELLS

 N O N E

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MACANA	180552	0664559	33.8
MAL PASO	180543	0664535	22.3
PENUELAS	180417	0664341	744.3
RUCIO	180711	0664131	23.4

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

 SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
MACANA	04/27/82	7.8	0	0.9	53	12.0	6.0	1.0	117	55.0	18.0	0.0	18.0	274	0.80	0.06	0.02
MAL PASO	04/29/82	7.8	0	0.5	35	6.0	7.0	0.8	106	12.0	8.0	0.0	11.0	191	0.20	0.06	0.02
PENUELAS	04/27/82	7.3	0	1.0	29	7.0	5.0	0.8	76	18.0	12.0	0.0	18.0	177	0.00	0.25	0.02
RUCIO	04/27/82	6.9	0	4.0	26	9.0	---	1.1	76	19.0	10.0	0.0	21.0	168	0.10	0.62	0.05

Table 56. -- Public water-supply installations and water-quality analyses for Puerto Rico
 aqueduct and Sewer Authority facilities at - Ponce

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
WELLS			
A-A-A	180044	0663548	299.1
A-E-E. (FUENTES FLUVIALES)	180014	0663542	155.8
ALHAMBRA	180037	0663612	261.5
ARJONA	180155	0663713	94.7
ATOMICA	180025	0663545	142.2
BELGICA	180022	0663601	116.2
BLASINI	180049	0663830	280.0
CANAS	180048	0663812	0.0
CHARDON	175935	0663704	197.4
ESC. ISMAEL MALDONADO	180025	0663618	13.1
JARDINES FAGOTT	180109	0663558	106.3
FEBLES	180023	0663555	58.9
GLENVIEW	180214	0663710	0.0
MORELL CAMPOS	180053	0663803	0.0
LA MOCHA 1	180905	0664032	16.9
LA MOCHA 2	-----	-----	2.9
OLIVER	175922	0663709	189.5
P.R. CEMENT	180115	0663815	0.0
RAMOS ANTONINI	180120	0663546	99.3
RESTAURADA 1	175947	0663506	153.4
RESTAURADA 2	175947	0663514	92.4
RESTAURADA 3	175946	0663517	96.8
RESTAURADA 4	175946	0663520	102.0
RESTAURADA 5	175947	0663525	78.8
RESTAURADA 6	175948	0663533	96.8
RESTAURADA 7	175948	0663536	90.1
RESTAURADA 8	175948	0663539	87.1
RESTAURADA 9	175949	0663545	51.5
RESTAURADA 10	175924	0663542	139.6
RUIZ BELVIS	175913	0663708	64.4
SANTA MARIA	-----	-----	53.5
SANTA CLARA	180055	0663610	0.0
SAURI	175929	0663701	76.2
U-P-R.	-----	-----	42.4
VOCACIONAL	180020	0663714	238.1
VALLE VERDE 2	180102	0663642	6.9
W. FHEWR	-----	-----	5.8
LA YUCA	-----	-----	10.6
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
EL ALTO	180313	0664034	35.7
CORRAL VIEJO	180523	0663928	9.8
GUARAGUAO	180744	0664102	22.3
HOGARES SEGUROS	180951	0663652	35.8
QUEBRADA LIMON	180311	0664033	6.0
MARUENO	180558	0664047	16.1
PONCE NUEVA (MAGUEYES)	180234	0663856	3995.3
REAL ANON	180841	0663536	45.8
TIBES	180646	0663820	23.0
PONCE VIEJA	180135	0663657	2888.5

Table 54. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Ponce - (Continue)

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
A-A-A	06/18/80	7.7	0	0.1	36	12.0	25.0	2.0	139	20.0	26.0	0.2	14.0	244	0.30	0.13	0.01
A-E-E	06/18/80	7.4	0	0.0	73	13.0	42.0	1.5	154	66.0	68.0	0.1	25.0	465	3.10	0.13	0.01
ALHAMBRA	06/18/80	7.6	0	0.0	72	43.0	66.0	2.1	312	20.0	114.0	0.3	26.0	794	2.80	0.22	0.01
ARJONA	06/18/80	7.5	0	0.0	64	26.0	44.0	2.0	254	54.0	38.0	0.2	19.0	372	1.60	0.45	0.02
ATOMICA	06/18/80	7.7	5	0.0	69	16.0	55.0	2.4	225	60.0	70.0	0.1	20.0	442	0.00	0.31	0.18
BELGICA	06/18/80	7.6	5	0.2	77	19.0	61.0	1.8	250	69.0	59.0	0.0	21.0	477	0.60	0.14	0.02
BLASINI	06/16/80	7.2	0	0.0	59	42.0	91.0	2.3	337	57.0	82.0	0.2	26.0	620	2.70	0.19	0.02
CHARDON	06/18/80	7.8	0	0.0	70	37.0	51.0	2.0	273	92.0	80.0	0.2	29.0	469	2.90	0.21	0.03
FEBLES	06/18/80	7.7	0	0.2	67	21.0	36.0	2.1	236	8.0	53.0	0.2	20.0	479	2.80	0.15	0.01
LA MOCHA 1	03/18/81	8.2	0	0.1	51	2.0	1.0	0.5	129	5.0	6.0	0.0	23.0	204	0.20	0.11	0.00
OLIVER	06/15/80	7.6	0	0.1	99	20.0	42.0	1.6	230	73.0	76.0	0.2	21.0	551	2.60	0.15	0.02
P-R-CEMENT	99/09/99	8.0	0	3.0	92	25.0	56.0	---	298	43.0	77.0	0.2	31.0	587	2.60	0.05	0.00
RESTAURADA 1	06/18/80	7.5	0	0.1	89	20.0	37.0	1.5	248	75.0	39.0	0.2	21.0	443	1.80	0.25	0.02
RUIZ BELVIS	06/18/80	7.4	0	0.0	117	18.0	18.0	2.1	229	13.0	106.0	0.1	25.0	470	5.80	0.12	0.01
SANTA MARIA	10/17/75	7.2	5	7.0	20	43.0	---	---	225	---	15.0	0.0	---	320	3.50	0.00	0.00
SANTA CLARA	10/14/73	7.3	0	0.0	---	39.0	39.0	---	424	---	138.0	0.0	30.0	123	4.40	0.10	0.00
SAURI	04/06/78	7.6	0	0.1	103	17.0	80.0	---	298	106.0	66.0	0.0	25.0	601	6.20	0.11	0.00
U-P-R.	10/04/73	7.6	0	0.0	50	46.0	65.0	---	280	102.0	53.0	0.0	32.0	557	3.20	0.15	0.00
VOCACIONAL	12/30/80	7.6	0	0.3	43	18.0	4.0	1.7	151	12.0	20.0	0.3	24.0	231	0.30	0.10	0.00
LA YUCA	06/25/80	7.9	0	0.0	73	6.0	27.0	1.0	217	21.0	19.0	0.1	18.0	275	0.80	0.15	0.01

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
EL ALTO	04/27/82	8.0	0	0.7	32	5.0	16.0	1.1	101	5.0	10.0	0.0	18.0	201	0.20	0.09	0.01
CORRAL VIEJO	04/27/82	8.0	0	0.6	55	9.0	9.0	1.1	171	5.0	14.0	0.1	23.0	274	0.60	0.15	0.01
GUARAGUAO	04/27/82	7.9	0	0.6	28	14.0	2.0	0.8	117	---	12.0	0.1	26.0	189	0.30	0.08	0.00
HOGARES SEGUROS	04/27/82	7.9	0	0.5	15	4.0	1.0	0.6	50	---	6.0	0.0	24.0	120	0.00	0.05	0.01
QUEBRADA LIMON	04/27/82	7.7	0	1.0	42	1.0	7.0	0.9	100	5.0	15.0	0.0	20.0	212	0.30	0.15	0.02
MARUENO	04/27/82	7.7	0	1.7	54	13.0	4.0	0.9	175	7.0	14.0	0.0	20.0	294	0.20	0.43	0.00
PONCE NUEVA (MAGUEYES)	04/27/82	7.8	0	0.7	38	8.0	8.0	1.7	125	9.0	14.0	1.3	15.0	221	0.00	0.04	0.02
REAL ANON	04/29/82	8.0	0	0.5	45	1.0	5.0	0.6	120	1.0	7.0	0.0	34.0	237	0.50	0.05	0.00
TIBES	04/27/82	8.1	0	0.6	66	7.0	3.0	0.9	175	14.0	11.0	0.1	20.0	289	0.70	0.19	0.01
PONCE VIEJA	04/27/82	7.8	0	0.4	42	4.0	13.0	1.7	126	10.0	13.0	0.8	12.0	236	0.00	0.06	0.23

Table 55. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Quebradillas

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
QUEBRADILLAS 2	182616	0665605	57.2
QUEBRADILLAS 1 (EL REY)	182816	0665618	42.6

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
QUEBRADILLAS	182549	0665523	587.1

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										Mn					
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl		F	SiO2	TDS	NO3-N	Fe
QUEBRADILLAS 1	10/17/80	7.7	0	5.0	41	2.0	10.0	1.7	32	36.0	11.0	0.0	10.0	172	0.80	0.01	0.01
		SURFACE WATER															
QUEBRADILLAS	07/12/82	6.7	0	0.0	75	5.0	1.0	0.9	180	9.0	15.0	0.7	2.0	303	0.70	0.00	0.00

Table 56. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Rincon

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CALVACHE 1	181923	0671340	42.4
CALVACHE 2	181911	0671342	36.2
CALVACHE 3	181909	0671344	61.9
RINCON 1 (URBANO)	182030	0671442	40.2
RINCON 2	182022	0671451	36.4
RINCON 1 (RURAL)	182023	0671447	13.8

WELLS

QUALITY OF WATER OF SELECTED WELLS

 GROUND WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CALVACHE 1	03/28/80	7.4	5	0.0	114	29.0	52.0	0.7	273	37.0	109.0	0.0	46.0	684	1.70	0.00	0.01
CALVACHE 2	03/28/80	7.5	0	0.0	127	7.0	45.0	0.8	283	30.0	92.0	0.1	42.0	557	1.20	0.00	0.03
CALVACHE 3	03/28/80	7.9	0	0.0	99	13.0	42.0	0.6	285	28.0	57.0	0.1	44.0	479	0.30	0.16	0.01
RINCON 1 (URBANO)	11/16/77	7.8	0	0.0	107	17.0	39.0	---	273	26.0	88.0	0.0	23.0	556	4.30	0.40	0.00
RINCON 2	11/16/77	7.4	0	1.0	64	8.0	16.0	---	156	22.0	34.0	0.0	9.0	277	2.70	0.25	0.00

Table 57. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Rio Grande

WELLS

N O N E

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
JIMENEZ	182025	0654833	36.0
PLANTA PUERTO KAI	182235	0654938	578.2
MOROVIS	181839	0654919	38.1
EL YUNQUE	182245	0654906	866.4
ZARZAL	182001	0654654	16.6
GUZMAN ARRIBA	181744	0655018	279.2

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
JIMENEZ	05/23/83	7.2	5	2.0	11	---	7.0	0.4	28	---	12.0	0.2	19.0	104	0.20	0.00	0.00
MOROVIS	05/23/83	7.0	0	0.1	7	3.0	3.0	0.6	23	---	10.0	0.1	21.0	90	0.20	0.00	0.00
ZARZAL	05/23/83	7.2	0	0.2	7	1.0	8.0	0.3	22	---	11.0	0.1	15.0	98	0.30	0.00	0.00
GUZMAN ARRIBA	03/25/83	7.8	-	2.0	6	3.0	7.0	0.5	25	1.0	9.0	0.0	20.0	113	1.00	0.00	0.00

Table 58. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Sabana Grande

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
MOBIL	180414	0665732	77.6
RAYO	180235	0665809	76.9
SUSUA 2	180158	0665635	17.4
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
LA MAQUINA	180625	0665840	39.6
MOLINA	180546	0655108	20.3
SABANA GRANDE	180500	0665712	377.3

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
MOBIL	03/27/80	8.3	0	0.0	37	22.0	2.0	0.6	160	9.0	13.0	0.0	26.0	261	0.40	0.16	0.01
RAYO	04/03/80	7.5	0	0.0	94	21.0	144.0	1.5	---	66.0	107.0	0.5	37.0	698	3.20	0.00	0.02
SUSUA 2	03/27/80	7.8	0	0.0	104	45.0	77.0	0.8	393	40.0	107.0	0.3	57.0	733	8.90	0.00	0.01
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
LA MAQUINA	12/16/82	8.2	5	1.0	28	57.0	10.0	1.0	283	18.0	18.0	0.0	40.0	371	0.20	0.00	0.00
MOLINA	12/15/82	8.1	5	1.0	25	67.0	10.0	1.3	317	12.0	20.0	0.0	56.0	436	1.40	0.00	0.00
SABANA GRANDE	02/21/81	7.9	0	0.0	18	30.0	4.0	0.7	153	8.0	12.0	0.1	21.0	239	0.20	0.00	0.00

Table 59. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Salinas

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
COCO II	175910	0661722	167.5
COCO III	175922	0661710	112.5
COQUI I	175827	0661348	35.4
COQUI 2	175821	0661353	30.1
MAR NEGRO II (LAS MAREAS)	175727	0661556	31.4
MAR NEGRO I (LAS MAREAS)	175702	0661551	0.6
PARCELAS VAZQUEZ	---	---	11.0
POZO I (SALINAS)	175850	0661745	361.4
POZO II (SALINAS)	175851	0661747	361.4
SAN FELIPE	175823	0661318	54.2
TEXIDOR	175828	0661414	116.5

WELLS

FILTER PLANTS

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
PARCELAS VAZQUEZ	180423	0661409	0.0
LA PLENA	---	---	0.0

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn	GROUND WATER	
																		Ca	Mg
COCO II	11/24/80	7.5	0	0.3	80	21.0	47.0	1.2	215	84.0	52.0	0.1	33.0	487	3.70	0.08	0.00	Ca	Mg
COCO III	12/16/80	7.7	0	0.4	104	28.0	49.0	1.2	306	83.0	60.0	0.2	37.0	589	2.60	0.10	0.00	Ca	Mg
COQUI I	11/24/80	7.4	0	0.4	70	19.0	146.0	1.1	356	70.0	98.0	0.4	26.0	629	10.20	0.17	0.00	Ca	Mg
COQUI 2	11/25/80	7.4	5	0.3	81	26.0	89.0	0.9	382	47.0	49.0	0.3	35.0	547	1.90	0.10	0.00	Ca	Mg
MAR NEGRO 1	11/28/80	7.2	3	0.7	270	113.0	154.0	2.1	256	74.0	815.0	0.3	43.0	230	2.30	0.66	0.00	Ca	Mg
PARCELAS VAZQUEZ	11/24/80	7.4	0	0.4	91	28.0	95.0	1.3	347	40.0	100.0	0.2	35.0	692	6.00	0.11	0.00	Ca	Mg
POZO I (SALINAS)	03/17/77	7.7	0	0.0	105	26.0	55.0	---	306	77.0	66.0	0.1	38.0	614	16.00	0.06	0.00	Ca	Mg
POZO II (SALINAS)	02/11/75	7.8	0	0.0	88	32.0	51.0	---	314	59.0	57.0	0.1	34.0	460	8.50	0.02	0.00	Ca	Mg
SAN FELIPE	10/___/80	7.5	-	---	32	12.0	320.0	0.7	529	160.0	100.0	1.5	31.0	---	1.10	0.00	0.00	Ca	Mg

SURFACE WATER

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
PARCELAS VAZQUEZ	99/99/75	8.0	0	0.0	68	31.0	45.0	---	260	45.0	67.0	0.2	25.0	427	0.50	0.00	0.00
LA PLENA	04/25/72	7.5	0	0.0	70	24.0	47.0	---	210	100.0	48.0	0.2	27.0	457	0.40	0.00	0.00

Table 60. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - San German

WELLS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
DUEY 1	180900	0670526	43.6
DUEY 2 (QUINONES)	180859	0670516	181.0
RETIRO 3	180505	0670206	95.2
LOLA R. DE TIO 1 (EL RETIRO)	180503	0670206	68.4
LOLA DE TIO 2	180503	0670206	0.0

FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CAIN ALTO	180710	0670027	37.0
ROSARIO BAJO	180857	0670138	41.0
SAN GERMAN	180820	0670119	394.6

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										Mn					
		PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl		F	SiO2	TDS	NO3-N	Fe
DUEY 1	08/14/80	7.7	0	0.9	45	19.0	14.0	1.3	204	13.0	11.0	0.9	55.0	257	0.50	0.18	0.00
DUEY 2	05/11/81	8.1	0	0.2	73	5.0	4.0	1.4	182	6.0	14.0	0.1	38.0	286	2.50	0.10	0.00
RETIRO 3	01/21/76	7.4	0	0.0	9	30.0	12.0	---	145	5.0	14.0	0.0	---	204	0.50	0.00	0.00

FACILITY NAME	DATE	SURFACE WATER										Mn					
		PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl		F	SiO2	TDS	NO3-N	Fe
CAIN ALTO	12/16/82	8.0	5	1.0	7	30.0	8.0	0.2	143	1.0	9.0	0.0	36.0	242	0.70	0.03	0.00
ROSARIO BAJO	12/16/82	8.2	5	2.0	21	23.0	11.0	0.7	143	11.0	11.0	0.0	31.0	218	0.60	0.00	0.00
SAN GERMAN	12/16/82	8.1	10	5.0	31	33.0	6.0	0.9	191	14.0	13.0	0.0	32.0	258	1.00	0.03	0.00

Table 61. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - San Juan

FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
LAS AMERICAS	182415	0660432	0.0	
LOS CAOBOS	182435	0660609	0.0	
GABRIELA MISTRAL	182410	0660531	0.0	
HIRAM BITHORN	182456	0660456	0.0	
PADILLA	182431	0660429	0.0	
PUERTO NUEVO	182435	0660505	0.0	
LOS POLLITOS	182444	0660448	0.0	
MIGUEL SUCH	182448	0660241	0.0	
TRUMAN	182502	0660230	30.4	
UNIVERSITY GARDENS	182423	0660342	0.0	

FACILITY NAME		DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
LAS AMERICAS		02/15/78	7.1	-	12.0	21	7.0	28.0	---	100	13.0	23.0	0.0	31.0	209	2.10	0.00	0.00
LOS CAOBOS		01/15/80	6.7	0	2.0	35	5.0	2.0	5.5	115	7.0	29.0	0.0	47.0	207	1.30	0.00	0.04
GABRIELA MISTRAL		02/15/78	6.9	5	4.0	31	72.0	28.0	---	90	18.0	38.0	0.0	20.0	225	7.20	1.00	0.00
HIRAM BITHORN		04/01/80	7.6	0	1.0	33	7.0	72.0	3.2	203	27.0	23.0	0.3	53.0	352	3.30	0.00	0.12
PADILLA		01/04/80	7.4	0	5.0	80	12.0	79.0	4.5	186	142.0	85.0	0.4	57.6	644	0.30	0.00	0.75
PUERTO NUEVO		01/29/81	8.2	-	1.0	37	7.0	11.0	3.7	84	23.0	32.0	0.6	24.0	210	0.00	0.00	0.00
LOS POLLITOS		01/15/80	7.4	-	12.0	29	5.0	48.0	3.2	135	23.0	26.0	0.3	59.0	254	0.60	0.00	0.35
MIGUEL SUCH		01/04/80	7.2	0	1.0	101	6.0	25.0	4.5	255	10.0	58.0	0.1	51.0	439	4.70	0.00	0.04
TRUMAN		03/25/83	7.1	0	2.0	90	19.0	55.0	3.1	247	15.0	107.0	0.0	28.0	494	42.00	0.03	0.00
UNIVERSITY GARDENS		05/23/78	7.3	0	0.3	53	16.0	36.0	4.9	195	10.0	48.0	0.0	48.0	353	14.00	0.00	0.00

QUALITY OF WATER OF SELECTED WELLS

GROUND WATER

Table 63. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - San Sebastian

WELLS

N O N E

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
PERCHA	181625	0665544	70.0
SAN SEBASTIAN	181955	0665824	892.0

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
PERCHA SAN SEBASTIAN	12/17/82	8.0	0	2.0	25	12.0	4.0	2.0	92	4.0	9.0	0.0	51.0	190	3.40	0.00	0.00
	02/21/81	7.3	0	2.0	45	3.0	7.0	2.8	87	37.0	13.0	0.0	38.0	240	1.10	0.00	0.00

Table 64. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Santa Isabel

WELLS		LONGITUDE		LATITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
CORTADA (PLAYITA CORTADA 2)		0662631	175933		78.4		
DESCALABRADO (OLLAS 2)		0662606	180025		83.5		
ESMERALDA 2		0662035	180120		48.0		
JAUCA 1		0662315	175800		0.0		
JAUCA 2		0662150	175822		54.6		
PASO SECO I (FELICIA 1)		0662331	175925		148.5		
PASO SECO II (FELICIA 2)		0662351	175918		243.7		
PASO SECO III (FELICIA 3)		0662329	175958		352.3		
SANTIAGO APOSTOL (SANTA ISABEL		0662427	175810		117.5		

QUALITY OF WATER OF SELECTED WELLS

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
CORTADA	06/18/80	7.6	0	0.0	49	34.0	34.0	1.2	347	33.0	40.0	0.2	23.0	514	2.80	1.18	0.02
DESCALABRADO	06/18/80	7.7	0	0.1	56	37.0	75.0	1.3	347	36.0	48.0	0.2	26.0	511	1.50	0.07	0.02
ESMERALDA 2	06/18/80	7.7	0	0.0	68	24.0	33.0	1.2	236	22.0	21.0	0.4	25.0	421	2.20	0.46	0.02
JAUCA 2	06/18/80	7.6	0	0.1	57	33.0	96.0	0.8	391	33.0	39.0	0.3	28.0	578	2.30	0.45	0.02
PASO SECO I	11/12/78	7.7	0	0.5	73	58.0	---	2.1	397	46.0	48.0	0.0	37.0	575	17.60	0.20	0.00
PASO SECO II	11/28/78	7.6	0	1.9	---	---	---	1.8	413	36.0	43.0	0.0	35.0	551	15.00	0.45	0.00

Table 65. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Ioa Alta

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
SABANA SECA	182505	0661014	12.0
WELLS -----			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
ENRIQUE ORTEGA (LA PLATA)	182112	0661333	19586.5
FILTER PLANTS -----			

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER															
		PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
SABANA SECA	02/01/83	6.1	-	3.0	41	8.0	18.0	2.2	117	23.0	26.0	0.5	20.0	282	0.00	0.12	0.00
SURFACE WATER																	
ENRIQUE ORTEGA	03/25/83	6.8	5	2.0	42	7.0	17.0	2.3	117	21.0	26.0	0.5	22.0	264	0.90	0.00	0.00

Table 66. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Toa Baja

FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)	
CANDELARIA ARENA	182507	0661310	38.9		
CAMPANILLA 1	182527	0661351	357.0		
CAMPANILLA 2	182527	0661416	0.0		
CAMPANILLA 3	182524	0661416	125.4		
CAMPANILLA 5	182519	0661450	0.0		
CAMPANILLA 5	182533	0661345	234.0		
CAMPANILLA 7	182529	0661335	263.4		
CAMPANILLA 8	182530	0661319	255.5		
LEVITITOWN 4	182611	0661023	142.1		
LEVITITOWN 5	182623	0661037	0.0		
LEVITITOWN 5	182622	0661059	0.0		
LEVITITOWN 6	182623	0661119	0.0		
LEVITITOWN 7	182632	0661121	0.0		
LEVITITOWN 8	182639	0661138	0.0		
LEVITITOWN 9	182642	0661130	0.0		
LEVITITOWN 10	182523	0661011	0.0		
RIO PLANTATION 1	182517	0661042	0.0		
RIO PLANTATION 2	182516	0661010	0.0		
RIO PLANTATION 3					

QUALITY OF WATER OF SELECTED WELLS																	

GROUND WATER																	

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SI02	TDS	NO3-N	Fe	Mn
CAMPANILLA 1	02/01/83	6.8	5	2.0	161	34.0	233.0	3.3	194	39.0	583.0	0.0	12.0	149	1.30	0.00	0.00
CAMPANILLA 2	02/01/74	7.5	0	0.0	135	77.0	267.0	---	168	43.0	730.0	0.0	10.0	213	6.00	0.00	0.00
CAMPANILLA 3	02/01/83	7.0	-	8.0	95	28.0	75.0	1.8	257	19.0	171.0	0.1	37.0	678	1.20	0.15	0.00
CAMPANILLA 5	02/12/80	7.0	0	0.0	137	14.0	31.0	2.4	335	21.0	159.0	0.0	16.0	729	0.90	0.58	0.03
CAMPANILLA 6	02/01/83	7.0	5	1.0	73	5.0	70.0	1.6	203	6.0	102.0	0.0	14.0	459	1.60	0.00	0.00
CAMPANILLA 7	02/01/83	7.2	-	2.0	76	10.0	14.0	1.3	208	8.0	29.0	0.0	10.0	298	2.40	0.00	0.00
CAMPANILLA 8	02/01/83	7.1	0	3.0	84	7.0	13.0	1.1	211	4.0	32.0	0.0	9.0	324	2.40	0.15	0.00
LEVITITOWN 4	02/01/83	7.0	5	2.0	98	7.0	39.0	1.7	229	21.0	76.0	0.0	11.0	472	1.50	0.11	0.00
LEVITITOWN 5	02/18/80	7.5	0	0.2	75	16.0	22.0	1.5	223	5.0	49.0	0.0	8.0	380	1.80	0.00	0.01
LEVITITOWN 6	02/12/80	7.4	5	0.0	90	6.0	27.0	1.2	197	5.0	75.0	0.0	12.0	414	2.20	0.00	0.01
LEVITITOWN 7	03/13/78	7.3	5	1.0	87	11.0	72.0	---	173	16.0	156.0	0.0	9.0	497	9.50	0.00	0.00
LEVITITOWN 8	02/12/80	7.3	5	0.0	84	1.0	23.0	0.9	215	4.0	27.0	0.0	10.0	343	2.30	0.00	0.01
LEVITITOWN 9	01/22/75	7.4	0	0.0	114	21.0	141.0	---	161	32.0	343.0	0.1	9.0	102	3.00	0.00	0.00
LEVITITOWN 10	05/22/73	7.2	0	0.0	52	31.0	26.0	---	114	74.0	195.0	0.0	13.0	616	4.60	0.00	0.00
RIO PLANTATION 1	03/13/78	7.4	0	0.0	93	6.0	33.0	---	224	10.0	68.0	0.0	6.0	374	10.00	0.05	0.00
RIO PLANTATION 2	03/25/76	8.0	0	0.0	77	7.7	43.0	---	196	6.0	79.0	0.0	11.0	398	4.80	0.00	0.00
RIO PLANTATION 3	03/25/76	8.3	0	0.0	38	13.0	21.0	---	118	30.0	31.0	0.0	23.0	241	0.70	0.00	0.00

Table 67. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Trujillo Alto

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
CARRAIZO	182025	0660124	0.0
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
SERGIO CUEVAS	182218	0660118	25909.3

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	GROUND WATER										ANNUAL AMOUNT (MILLION GALLONS)					
		pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl		F	S102	TDS	NO3-N	Fe
CARRAIZO	03/25/80	7.7	0	0.2	66	32.0	76.0	0.7	317	33.0	76.0	0.2	63.0	562	1.90	0.00	0.00
SURFACE WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	S102	TDS	NO3-N	Fe	Mn
SERGIO CUEVAS	03/25/83	7.6	5	2.0	29	11.0	7.0	3.0	80	18.0	26.0	0.3	22.0	228	0.30	0.11	0.00

Table 69. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Utuado

WELLS		FILTER PLANTS		ANNUAL AMOUNT (MILLION GALLONS)	
-----		-----		-----	
N O N E		LATITUDE		LONGITUDE	
-----		-----		-----	
FACILITY NAME		LATITUDE		LONGITUDE	
ANGELES I		181630		0664831	30.2
ANGELES II		181700		0664750	27.6
CERCADILLO		181654		0664108	0.0
MAMEYE-UTUADO		181753		0663538	16.8
MAMEYE-UTUADO		181753		0660508	0.0
RONCADOR CAYUCO		181430		0664535	68.4
SABANA GRANDE		181642		0664026	33.1
UTUADO		181444		0664012	483.6
VIVI ARRIBA		181245		0664103	14.7

QUALITY OF WATER OF SELECTED SURFACE WATER SITES

SURFACE WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	S102	TDS	N03-N	Fe	Mn
ANGELES I	07/14/82	7.2	0	82.0	26	1.0	3.0	2.0	37	22.0	12.0	0.0	22.0	176	1.00	0.00	0.00
ANGELES II	07/14/82	7.4	0	0.0	28	7.0	12.0	1.6	57	25.0	29.0	0.0	17.0	191	0.70	0.00	0.00
CERCADILLO	09/10/80	7.8	10	9.0	14	4.0	10.0	21.0	53	3.0	12.0	0.0	33.0	111	0.70	0.00	0.04
MAMEYE-UTUADO	07/14/82	7.0	0	0.0	22	8.0	6.0	20.0	68	4.0	7.0	0.0	29.0	160	0.80	0.00	0.00
MAMEYE-UTUADO	07/14/82	7.0	0	0.0	22	8.0	6.0	2.0	68	4.0	7.0	0.0	29.0	160	0.70	0.00	0.00
RONCADOR CAYUCO	07/14/82	6.9	0	0.1	26	4.0	10.0	20.0	66	22.0	11.0	0.0	20.0	191	0.20	0.00	0.00
SABANA GRANDE	07/14/82	7.3	5	14.0	11	11.0	6.0	23.0	---	---	28.0	0.0	---	149	0.30	0.00	0.00
UTUADO	07/14/82	6.7	0	0.2	38	11.0	9.0	24.0	97	44.0	20.0	0.0	26.0	264	0.60	0.00	0.00
VIVI ARRIBA	07/14/82	6.7	0	0.1	106	9.0	4.0	26.0	58	230.0	10.0	0.1	---	538	0.30	0.00	0.00

Table 69. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Vega Alta

WELLS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
VEGA ALTA 1	182446	0661948	52.6				
VEGA ALTA 2	182446	0661947	50.0				
BAJURA 1 (NUEVO)	182530	0662033	420.0				
BAJURA 2	182517	0662019	49.3				
GENERAL ELECTRIC 1	182506	0661952	---				
GENERAL ELECTRIC 2	182505	0661952	176.7				
LA PONDEROSA	182515	0661939	---				
PAMPANOS	182319	0661839	142.7				
SABANA HOYOS 1	182700	0662029	159.5				
SABANA HOYOS 2	182658	0662019	35.5				
SABANA HOYOS 3 (CARMELITA)	182652	0662112	49.6				
MANATI	182609	0662048	200.0				
MONSERRATE	182629	0662150	260.0				

FILTER PLANTS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
MARICAO	182223	0662511	111.8				

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BAJURA 1	01/31/83	7.2	5	1.0	107	14.0	12.0	1.2	304	12.0	22.0	0.0	13.0	368	2.20	0.00	0.00
BAJURA 2	02/12/80	7.1	5	0.0	112	8.0	14.0	1.2	306	13.0	16.0	0.0	26.0	412	1.30	0.00	0.04
GENERAL ELECTRIC 1	01/31/83	7.1	5	1.0	122	11.0	19.0	2.6	306	10.0	39.0	0.0	11.0	460	6.20	0.00	0.00
GENERAL ELECTRIC 2	01/31/83	7.2	-	5.0	120	10.0	17.0	1.4	295	20.0	45.0	0.0	11.0	476	2.20	0.00	0.00
LA PONDEROSA	02/12/80	7.2	5	0.0	84	17.0	13.0	1.2	249	5.0	24.0	0.0	11.0	402	6.30	0.00	0.02
PAMPANOS	02/02/83	6.8	5	1.0	116	11.0	23.0	1.6	309	10.0	36.0	0.0	10.0	446	4.70	0.25	0.00
SABANA HOYOS 1	02/02/83	6.5	-	3.0	86	3.0	1.0	1.1	201	16.0	36.0	0.0	7.0	370	5.80	0.21	0.00
SABANA HOYOS 2	03/25/83	7.0	-	6.0	82	11.0	13.0	1.2	198	19.0	43.0	0.0	10.0	374	0.30	0.00	0.00
SABANA HOYOS 3	01/31/83	7.6	5	2.0	95	7.0	15.0	1.3	236	2.0	33.0	0.0	10.0	369	4.00	0.00	0.00

SURFACE WATER																	
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
MARICAO	01/31/83	7.3	5	2.0	75	5.0	30.0	0.6	237	8.0	18.0	0.0	6.0	233	1.30	0.00	0.00

Table 70. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Vega Baja

WELLS		LONGITUDE		LATITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
ALMIRANTE 2		0662208	182453		24.0		
ALMIRANTE 3		0662220	182530		66.0		
ALTURAS		0662419	182605		228.5		
MAGUEYES		-----	-----		57.4		
PUGNADO 1		0662438	182600		153.3		
PUGNADO 2		0662458	182554		180.4		
PUGNADO 3 (PUGNADO AFUERA)		0662628	182552		95.4		
VEGA BAJA 1		0662311	182646		129.3		
VEGA BAJA 2		0662407	182644		368.6		
VEGA BAJA 3		0662415	182652		440.8		

FILTER PLANTS		LONGITUDE		LATITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
ALMIRANTE SUR		0662208	182452		185.3		
VEGA BAJA		0662249	182608		328.7		

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ALMIRANTE 2	12/10/76	7.3	0	0.0	90	8.0	6.0	---	234	2.0	19.0	0.0	---	321	---	0.10	0.00
ALMIRANTE 3	10/18/80	6.9	0	0.0	59	8.0	21.0	1.0	174	5.0	21.0	0.0	8.0	265	5.20	0.00	0.00
ALTURAS	04/09/81	7.8	0	0.0	76	7.0	85.0	3.6	209	25.0	118.0	0.2	7.0	443	2.30	0.00	0.00
PUGNADO 1	04/09/81	7.2	0	0.2	69	5.0	62.0	1.6	206	11.0	68.0	0.1	7.0	419	4.60	0.00	0.00
PUGNADO 3	07/15/80	7.7	0	0.0	69	6.0	54.0	0.9	255	4.0	28.0	0.0	5.0	419	5.50	0.08	0.00
VEGA BAJA 1	04/09/81	7.2	0	0.0	111	19.0	119.0	3.5	221	36.0	253.0	0.2	13.0	819	2.30	0.00	0.01
VEGA BAJA 2	03/09/81	7.2	0	0.0	99	10.0	96.0	3.0	210	21.0	178.0	0.2	7.0	577	4.80	0.12	0.00
VEGA BAJA 3	03/09/81	7.4	0	0.0	97	6.0	40.0	1.5	207	12.0	82.0	0.2	6.0	386	5.70	0.00	0.01

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
ALMIRANTE SUR	07/12/82	7.0	0	0.0	99	1.0	4.0	0.6	228	4.0	17.0	0.0	4.0	324	1.40	0.00	0.00
VEGA BAJA	07/12/82	6.9	0	0.0	63	7.0	19.0	2.2	190	22.0	12.0	0.9	14.0	280	0.60	0.00	0.00

Table 71. -- Public water-supply installations and water-quality analyses for Puerto Rico
 Aqueduct and Sewer Authority facilities at - Villalba

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
WELLS			
ALTURAS DE VILLALBA TOA VACA 3	180653	0662910	1.0 8.0
FILTER PLANTS			
FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
APEADERO	181000	0662733	17.3
JULITA	190900	0663049	18.0
SEMIL	180724	0663116	24.0
VILLALBA	190658	0663056	563.6

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
GROUND WATER																	
TOA VACA 3	03/10/80	8.2	0	0.5	---	0.5	73.0	0.3	---	10.0	16.0	0.7	21.0	182	0.10	0.16	0.00
SURFACE WATER																	
FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
APEADERO	04/28/82	8.0	0	0.7	60	34.0	10.0	0.7	122	37.0	10.0	0.0	18.0	247	0.00	0.16	0.00
JULITA	04/29/82	8.0	0	0.5	45	5.0	11.0	0.6	130	8.0	15.0	0.1	32.0	266	0.20	0.07	0.00
SEMIL	04/29/82	8.0	0	0.9	43	9.0	1.0	0.8	121	12.0	11.0	0.0	37.0	272	0.90	0.15	0.00
VILLALBA	04/29/82	7.9	0	0.7	54	1.0	2.0	---	142	17.0	15.0	0.9	36.0	256	0.70	0.05	0.00

Table 72. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Yabucoa

WELLS		LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)	
FACILITY NAME							
GUAYANES	180416	0655011	44.4				
LIMONES	180401	0655236	186.1				
LA MALOJA	180155	0655130	0.6				
POZO ROIG NUEVO	180408	0655223	218.5				
POZO ROIG VIEJO	180334	0655235	50.6				
FILTER PLANTS							
FACILITY NAME	LATITUDE		LONGITUDE		ANNUAL AMOUNT (MILLION GALLONS)		
GUAYARCTA-QUEBRADILLA	180414	0655736	14.8				
YABUCOA	180227	0655256	127.4				

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

NO	FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	S04	Cl	F	SI02	TDS	NO3-N	Fe	Mn
	GUAYANES	05/24/83	8.4	0	0.3	23	7.0	5.0	1.5	63	8.0	19.0	0.7	26.0	159	0.10	0.00	0.00
	LIMONES	05/23/83	7.1	0	0.3	35	13.0	38.0	1.6	155	7.0	45.0	0.4	62.0	---	0.80	0.00	0.00
	LA MALOJA	05/23/83	7.1	0	0.0	48	17.0	29.0	1.8	177	18.0	38.0	0.2	48.0	---	1.50	0.00	0.00
	POZO ROIG NUEVO	05/23/83	7.4	0	2.0	29	12.0	41.0	2.1	157	7.0	35.0	0.4	52.0	313	0.30	0.00	0.10
	POZO ROIG VIEJO	05/23/83	6.6	0	0.0	39	20.0	26.0	1.9	157	15.0	47.0	0.3	51.0	324	0.30	0.04	1.00
	FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K <td>CaCO3</td> <td>S04</td> <td>Cl</td> <td>F</td> <td>SI02</td> <td>TDS</td> <td>NO3-N</td> <td>Fe</td> <td>Mn</td>	CaCO3	S04	Cl	F	SI02	TDS	NO3-N	Fe	Mn
	GUAYABOTA-QUEBRADILLA	05/24/83	7.8	0	1.0	13	10.0	4.0	1.2	64	1.0	12.0	0.2	41.0	153	0.30	0.00	0.00
	YABUCOA	05/24/83	7.3	0	2.0	18	8.0	10.0	1.3	57	4.0	22.0	0.2	42.0	181	0.70	0.00	0.00

Table 73. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Yauco

FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
WELLS				
BARINAS		-----	-----	168.5
FILTER PLANTS				
FACILITY NAME		LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
DUEY		180420	0665050	23.3
RANCHERAS		180759	0665426	45.5
YAUCO		180309	0665119	669.1

QUALITY OF WATER OF SELECTED WELLS AND SURFACE WATER SITES

FACILITY NAME	DATE	PH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
BARINAS	05/24/73	8.2	0	0.0	94	28.0	39.0	---	282	75.0	55.0	0.0	33.0	529	0.10	0.15	0.00
DUEY	04/27/82	7.9	0	0.7	14	9.0	---	1.1	61	---	10.0	20.1	19.0	141	0.00	0.14	0.00
RANCHERAS	04/27/82	8.1	0	0.6	37	11.0	---	1.8	106	18.0	12.0	0.1	18.0	218	0.90	0.05	0.00
YAUCO	04/27/82	7.9	0	0.7	49	8.0	3.0	1.2	139	12.0	11.0	0.3	24.0	248	0.30	0.19	0.02

Table 74. --- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Canovanas

WELLS		FILTER PLANTS		ANNUAL AMOUNT	
NAME		LATITUDE		(MILLION GALLONS)	
NAME		LONGITUDE			
CANOVANA	182242	0655330	1776.0		
CUBUY	181608	0655134	332.5		

QUALITY OF WATER OF SELECTED SURFACE WATER SITES																	
SURFACE WATER																	
FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
CANOVANA	01/27/83	7.3	5	3.0	40	12.0	9.0	1.4	93	29.0	26.0	0.0	28.0	230	0.30	0.00	0.00
CUBUY	03/25/83	7.5	10	5.0	14	10.0	5.0	0.4	---	2.0	17.0	0.0	27.0	142	0.40	0.00	0.00

Table 75. -- Public water-supply installations and water-quality analyses for Puerto Rico Aqueduct and Sewer Authority facilities at - Florida

FACILITY NAME	LATITUDE	LONGITUDE	ANNUAL AMOUNT (MILLION GALLONS)
FLORIDA 1	182156	0663350	33.5
FLORIDA 2	182158	0663254	41.6
FLORIDA 3	182124	0663347	26.8
FLORIDA 4	182208	0663406	75.3
FLORIDA 5	182201	0663230	99.8
FLORIDA 6	182134	0663425	49.8
FLORIDA 7	182148	0663539	48.1
FLORIDA 8 (LAS VEGAS)	182237	0663315	16.9

WELLS

QUALITY OF WATER OF SELECTED WELLS

GROUND WATER

FACILITY NAME	DATE	pH	COLOR	TUR	Ca	Mg	Na	K	CaCO3	SO4	Cl	F	SiO2	TDS	NO3-N	Fe	Mn
FLORIDA 1	10/17/80	7.1	0	0.0	95	6.0	21.0	---	267	5.0	22.0	0.0	5.0	304	2.60	---	0.00
FLORIDA 2	10/17/80	7.0	0	0.0	77	8.0	4.0	0.3	210	---	12.0	0.0	4.0	257	2.60	0.00	0.00
FLORIDA 3	10/17/80	7.3	0	0.0	59	3.0	9.0	0.5	158	---	12.0	0.0	4.0	217	9.40	0.07	0.00
FLORIDA 4	10/17/80	7.6	0	0.0	77	13.0	14.0	0.6	295	1.0	12.0	0.1	8.0	296	2.50	0.00	0.00
FLORIDA 5	10/17/80	7.0	5	5.0	70	10.0	42.0	0.4	282	---	12.0	0.0	4.0	336	2.90	0.00	0.00
FLORIDA 6	10/17/80	7.0	0	0.0	96	7.0	18.0	0.3	276	---	12.0	0.0	5.0	311	4.30	0.00	0.00
FLORIDA 7	10/17/80	7.5	0	0.0	75	14.0	20.0	3.9	259	1.0	24.0	0.2	12.0	298	1.90	0.00	0.01

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