COMPILATION OF WATER-QUALITY DATA FOR THE NORTH COAST LIMESTONE AQUIFERS, PUERTO RICO, 1951 TO 1987

By
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CONVERSION TABLE

For the convenience of readers who may want to use the International Systems of Units (SI), the data may be converted by using the following factors:

Multiply inch-pound units	by	To obtain SI units
	Length	
feet (ft)	0.3048	meters (m)
	Temperature	
degree Fahrenheit (°F)	°C = 5/9 x (°F-32)	degree Celsius (°C)

COMPILATION OF WATER-QUALITY DATA FOR THE NORTH COAST LIMESTONE AQUIFERS, PUERTO RICO, 1951 TO 1987

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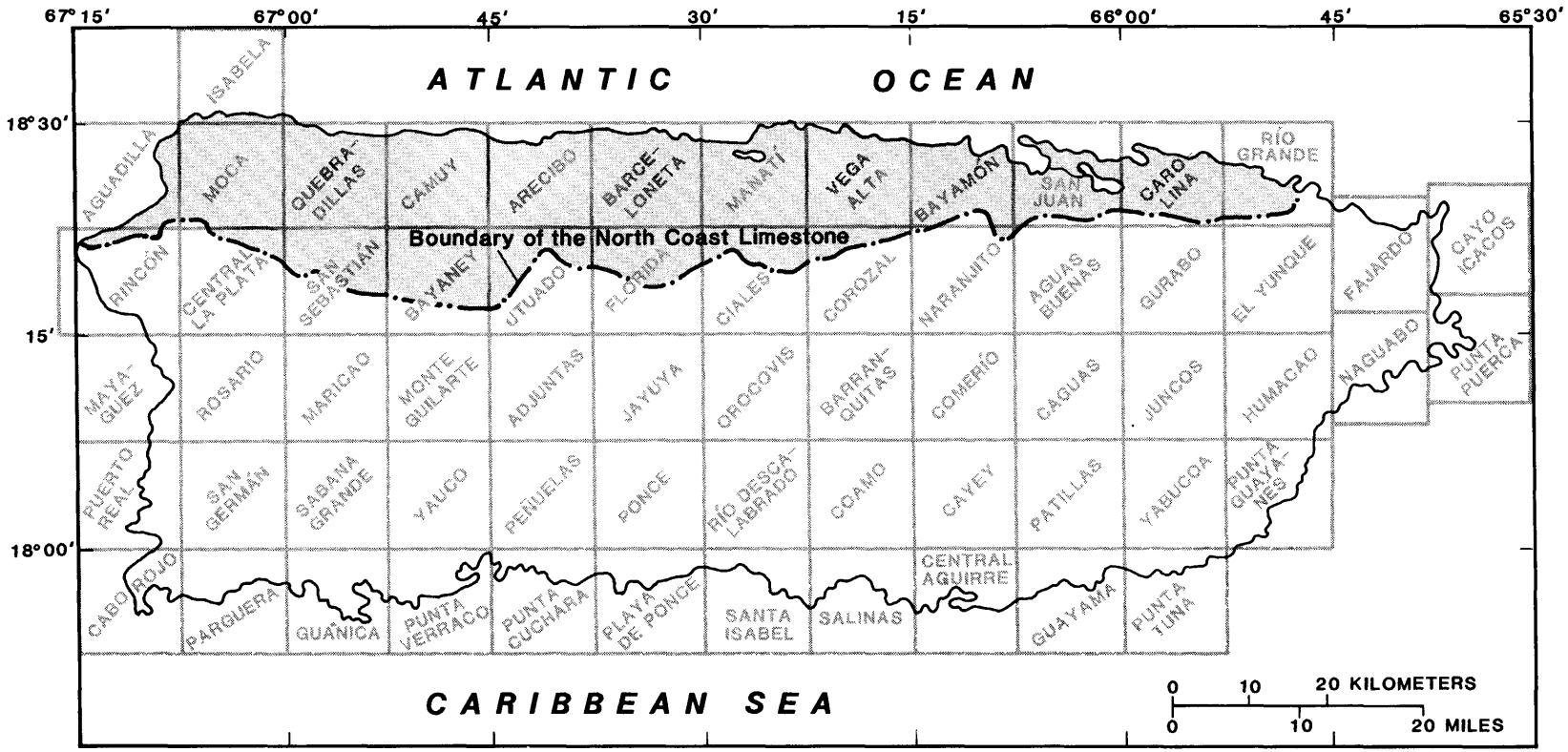
ABSTRACT

Historical water-quality data, from 1951 to 1987, for the north coast limestone aquifers, Puerto Rico, was compiled as part of the Caribbean Islands Aquifers-Regional Aquifer System Analysis (CIA-RASA). The data include physical parameters such as temperature, specific conductance and pH as well as chemical analysis for common ions, trace metals, and nutrients. Location maps and identification tables by quandrangles are also included.

INTRODUCTION

The limestones located along the north coast of Puerto Rico contain the most productive aquifers in the island. These aquifers underlie an area of about 600 square miles (mi^2), and extend from the Rincón quadrangle on the west coast eastward to Río Grande quadrangle (as shown on the index map). Two important aquifers occur within the north coast limestone area: (1) a water-table aquifer occurring within the Aymamón and Aguada limestones, the alluvial deposits, and the outcrop areas of the Lares Limestone, the Mucarabones Sand, and the Cibao Formation (including all its members); and (2) a deep artesian aquifer system occurring within various members of the Cibao Formation and the Lares Limestone.

The Caribbean Islands - Regional Aquifers System Analysis (CIA-RASA) is a comprehensive appraisal of the principal aquifers in Puerto Rico and the U.S. Virgin Islands. One of the main components of this appraisal is a complete geochemical evaluation of the water quality of these aquifers. This report is a compilation of the historical water-quality data for the limestone aquifers. Later, the data will be used in the preparation of map reports that present the areal and vertical distribution of selected constituents and hydrochemicals facies within the aquifers. A description of the principal geochemical processes that produce the observed ground-water chemistry within the north coast limestone aquifers has been published (Román-Más, A., and Lee, R.W., 1987). Finally, a geochemical model of the aquifers is planned.

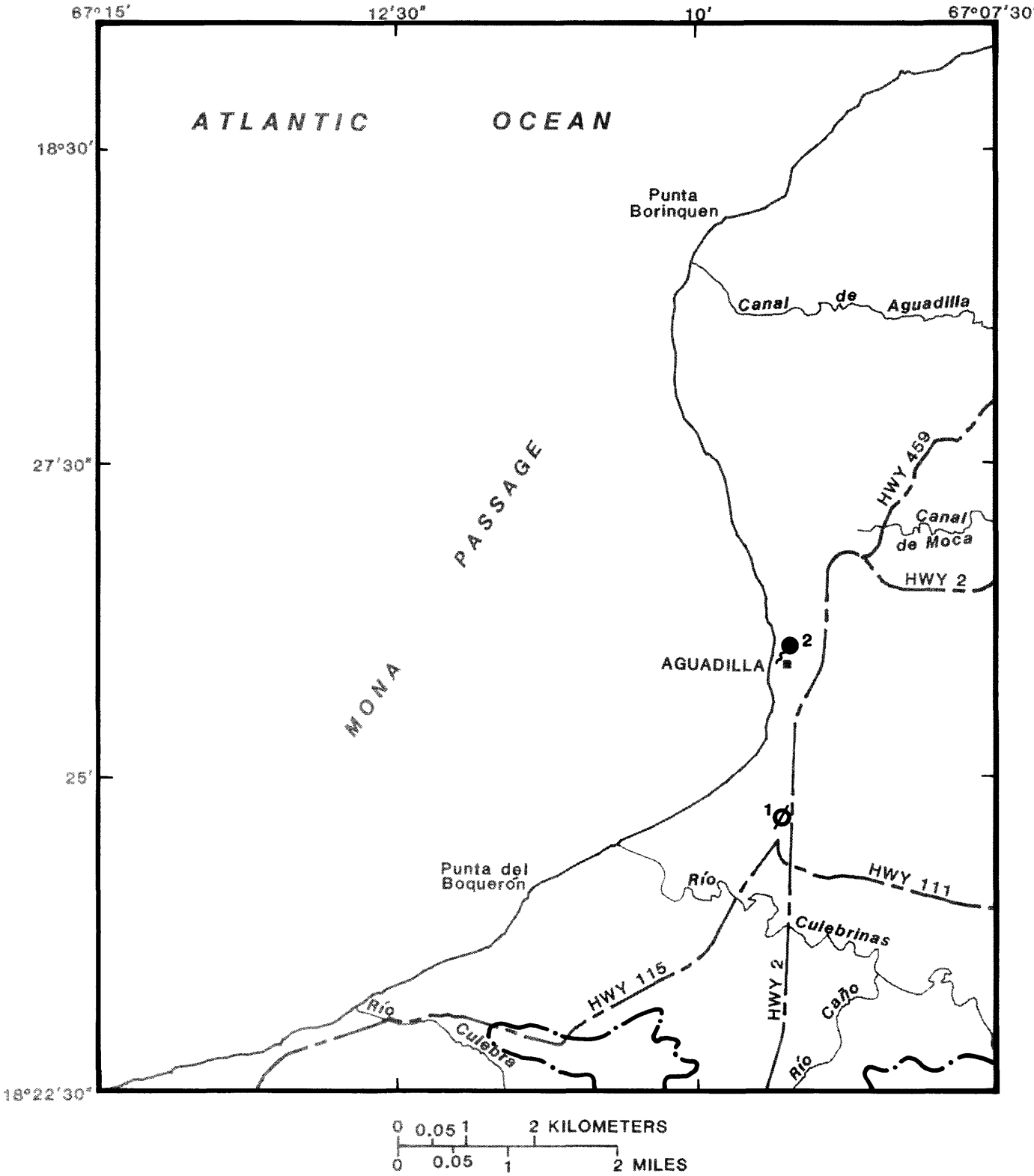


Index map showing the quadrangles and the North Coast Limestone area in Puerto Rico.

EXPLANATION OF CHEMICAL ANALYSES AND WELL-COMPLETION DATA

About 700 water-quality analyses from 320 wells and springs located along the north coast limestone aquifers were compiled from data residing in files of the U.S. Geological Survey, the Puerto Rico Aqueduct and Sewer Authority, and the Puerto Rico Department of Natural Resources (tables 1 to 22). The analyses include common ions, trace metals, and nutrients. The water-quality data, location maps, and site identification tables are presented by quadrangles (figures 1 to 22). Location and use of the selected wells and springs were adapted from the U.S. Geological Survey water-well inventory (Héctor Colón-Ramos, U.S. Geological Survey, written communication, 1986).

A site number; name; and identification number, which consists of the latitude, the longitude, and a sequence number, were assigned to each well and spring for its identification. Well completion data such as well depth and screened interval were included along with the water-quality data when available. The geologic unit or units tapped by the individual well or spring was defined from 1:20,000 scale geologic maps and geologic descriptions of the north coast limestone area by Monroe (1980) as well as from the hydrogeologic descriptions by Giusti (1976) and Torres-González (1984 and 1985). Recent analyses tend to be more accurate than earlier analyses because of improved analytical methods. The laboratory that performed each of the analyses has been identified.



EXPLANATION

1 ABANDONED WELL

2 SPRING

BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 1A.

Figure 1.--Location of selected wells and springs in the Aguadilla quadrangle.

Table 1A. Identification of selected wells and springs in the Aguadilla quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	CEM-NORTH	182442067091700
2	OJO DE AGUA	182602067091700

Table 1B. Well completion and water quality-data for selected wells and springs in the Aguadilla quadrangle

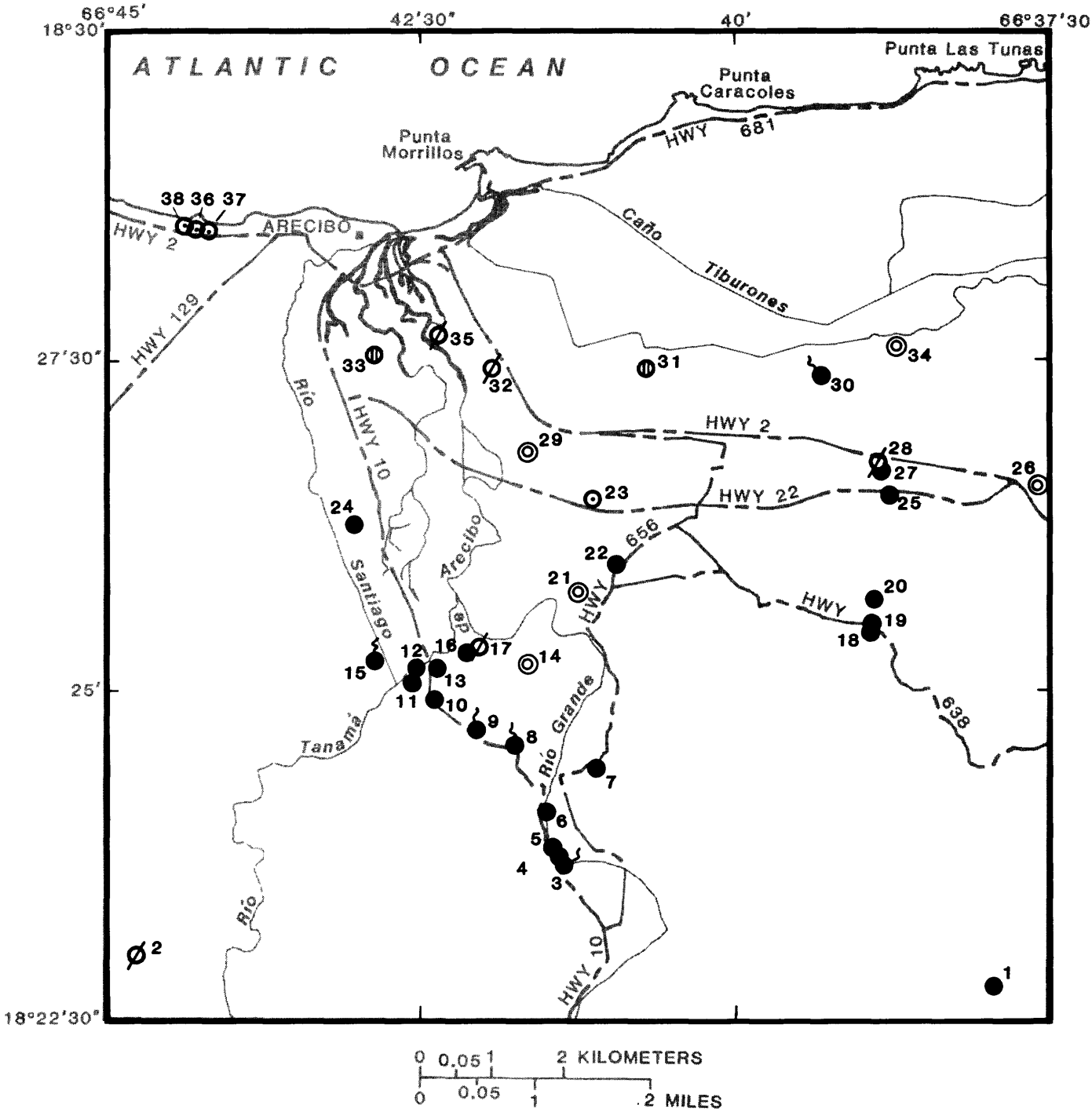
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182442067091700	050363	20	---	Alluvial	USGS	559	7.9	---	230	---	72	13
182602067091700	090181	SPRING		Aguada	USGS	530	6.9	25.0	---	---	100	5.4
	090182				USGS	490	6.8	25.0	---	---	100	4.5
	110182				USGS	540	6.9	25.0	250	0	94	4.5

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182442067091700	050363	---	35	---	310	---	27	15	3.0	11	---	---
182602067091700	090181	8.3	---	0.3	250	---	4.2	16	<0.1	6.3	---	---
	090182	8.9	---	0.8	250	---	6.0	14	0.1	7.0	---	---
	110182	8.6	---	0.5	---	---	7.0	15	<0.1	6.2	289	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG.)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182442067091700	050363	0.40	---	---	---	---	---	---	---	---	---	---	---
182602067091700	090181	---	---	---	3.5	---	---	---	---	---	---	<10	<10
	090182	---	---	---	3.5	---	---	---	---	0.01	---	8.0	<1
	110182	---	---	<0.01	2.8	0.06	0.30	---	---	<0.01	7.0	---	<1

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182442067091700	050363	---	---	---	---	---	---	---	---	---	---	---	---
182602067091700	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	1.0	<0.01	1	15	<1.0	10	<1	3	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/l AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182442067091700	050363	---	---	---	---	---	---	---	---	---	---	---	---
182602067091700	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	110182	<30	<10	<10	<10	230	<6.0	<4.0	0.0	<4.0	<1	0.2	---



EXPLANATION

- ● WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ⊙ WELL USED FOR INDUSTRIAL-WATER SUPPLY
- ◎ WELL USED FOR IRRIGATION-WATER SUPPLY
- Ø ABANDONED WELL
- ● SPRING

Note: Site numbers are identified in Table 2A.

Figure 2.--Location of selected wells and springs in the Arecibo quadrangle.

Table 2A. Identification of selected wells and springs in the Arecibo quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	JOVALES-3	182248066375900
2	ESPERANZA	182301066444500
3	OJO DEL AGUA	182341066412400
4	OJO DE AGUA-2	182344066412200
5	OJO DE AGUA-1	182345066412500
6	OJO DE AGUA-3	182405066413100
7	CARRERAS	182427066410700
8	SAN PEDRO	182435066414500
9	HATO VIEJO	182443066420400
10	ARECIBO-4	182456066422500
11	ARECIBO-7	182503066423500
12	ARECIBO-6	182508066423300
13	ARECIBO-5	182509066422300
14	ARECIBO-1	182512066414100
15	EL DIQUE	182512066425300
16	ARECIBO-3	182517066420700
17	ARECIBO-2	182518066420300
18	MIRAFLORES-2	182527066385700
19	MIRAFLORES-1	182528066385500
20	MIRAFLORES-3	182542066385600
21	VALENCIA	182545066411600
22	BAJADERO	182557066405500
23	MASTER CONCRETE	182627066410800
24	PIEZO-19	182614066430200
25	SANTANA-2	182630066384900
26	---------	182633066373800
27	SANTANA-1	182640066385200
28	FACTOR	182643066385300
29	LAS CLARAS	182649066414000
30	ZANJA FRIA	182724066392000
31	PIEZO-8	182725066404200
32	CAMBALACHE-1	182727066415600
33	PIEZO-3	182731066425300
34	TERRAZA-3	182737066384500
35	GRACE PAPER-4	182740066422400
36	PR DESTILLING-1	182830066441300
37	PR DESTILLING-2	182830066441301
38	AR-114	182831066441900

Table 2B. Well completion and water quality data for selected wells and springs in the Arecibo quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182248066375900	081776	500	280-440	Montebello	PRASA	---	7.2	---	240	11	99	1.5
	101780				PRASA	---	7.2	---	250	8	87	4.7
182301066444500	091060	615	---	Montebello	USGS	439	7.6	---	210	---	72	8.1
182341066412400	030359	SPRING	---	Montebello	USGS	---	7.3	---	150	---	45	9.1
182344066412200	011878	185	20-185	Alluvial/	PRASA	---	7.6	---	150	7	52	6.8
	101780			Montebello	PRASA	---	7.4	---	160	0	49	8.0
182345066412500	080575	200	40-200	Alluvial/	PRASA	---	7.7	---	150	11	54	6.7
	101780			Montebello	PRASA	---	7.2	---	160	0	46	9.7
182405066413100	041178	135	20-120	Alluvial/ Montebello	PRASA	---	7.7	---	170	4	58	6.9
182427066410700	071376	107	18-107	Alluvial/	PRASA	---	8.0	---	130	3	42	7.8
	101780			Montebello	PRASA	---	7.0	---	120	0	44	2.0
182435066414500	032858	SPRING	---	Aguada/	USGS	372	7.6	24.5	180	---	63	5.6
	040160			Montebello	USGS	346	7.6	24.5	170	---	62	4.0
	110182				USGS	430	7.0	23.5	200	0	72	4.8
	060283				USGS	353	7.0	26.0	190	23	72	3.1
182443066420400	061583	SPRING	---	Aguada	USGS	500	7.3	24.0	230	0	67	16
182456066422500	111572	128	100-128	Aguada	PRASA	500	7.6	---	220	15	90	2.6
	061278				PRASA	---	7.4	---	220	11	45	30
	101780				PRASA	---	7.4	---	240	0	80	8.9
	090181				USGS	510	6.9	24.5	---	---	96	2.1
	090182				USGS	553	6.8	24.5	---	---	97	3.2
182503066423500	070778	200	95-200	Aguada	PRASA	---	7.8	---	200	9	80	1.5
	101780				PRASA	---	7.1	---	220	8	80	25
182508066423300	061278	200	120-200	Aguada	PRASA	---	7.6	---	210	9	39	29
	101780				PRASA	---	7.5	---	280	0	80	4.6
182509066422300	061278	180	53-180	Aguada	PRASA	---	7.6	---	210	13	42	29
	101780				PRASA	---	7.4	---	230	0	80	6.5
182512066414100	111067	200	100-200	Alluvial	PRASA	---	7.4	---	210	10	30	35
	091069				PRASA	---	7.1	---	240	18	74	18
182512066425300	062283	SPRING	---	Aymamon/Aguada	USGS	388	7.1	24.0	180	33	68	3.3
182517066420700	061278	200	110-200	Alluvial	PRASA	---	7.5	---	220	3	40	29
	101780				PRASA	---	7.4	---	230	0	77	5.8
	041283				USGS	461	7.6	26.0	210	0	79	4.0
182518066420300	111667	220	150-220	Alluvial	PRASA	---	7.1	---	210	8	70	8.0
182527066385700	070178	400	340-400	Aguada	PRASA	---	7.4	---	230	0	83	0.0
	101780				PRASA	---	7.3	---	250	0	39	31
182528066385500	080960	355	---	Aguada	USGS	418	7.4	25.5	220	---	80	4.0
	070178				PRASA	---	7.3	---	250	14	96	5.7
	101780				PRASA	---	6.8	---	210	32	84	8.2
182542066385600	122375	400	320-400	Aguada	PRASA	---	7.3	---	---	---	---	---
	070178				PRASA	---	7.3	---	250	7	110	6.0
	101780				PRASA	---	7.2	---	260	0	65	23
182545066411600	042883	130	---	Alluvial	USGS	350	7.6	26.0	210	0	79	4.0
182557066405500	092177	247	100-247	Aguada	PRASA	---	7.5	---	210	13	76	7.5
	041283				USGS	480	7.4	26.0	230	19	77	7.8
182614066430200	041383	25	0-25	Alluvial	USGS	512	6.5	28.5	210	53	54	17
182627066410800	090181	100	---	Aguada	USGS	530	7.5	26.0	---	---	68	9.7
	090182				USGS	547	7.3	26.5	---	---	70	9.3
182630066384900	081176	200	90-200	Aymamon	PRASA	---	6.8	---	210	460	200	40
	070178				PRASA	---	7.2	---	230	0	74	9.8
	101780				PRASA	---	7.0	---	180	9	66	23
182633066373800	080860	252	---	Aymamon	USGS	482	7.5	23.5	200	---	68	8.1
182640066385200	031164	220	175-220	Aymamon	PRASA	---	7.2	---	220	0	69	3.0
	070178				PRASA	---	7.2	---	210	240	110	42
	101780				PRASA	---	7.3	---	250	27	84	15
	090181				USGS	1420	7.1	24.5	---	---	120	15
	090182				USGS	1250	7.2	24.5	---	---	100	12
182643066385300	072864	180	100-180	Aymamon	USGS	985	7.7	25.0	220	---	60	18
182649066414000	041283	350	---	Aguada	USGS	1070	7.2	25.5	330	150	100	18
182724066392000	120882	SPRING	---	Aymamon	USGS	1390	7.2	24.0	320	77	95	19
182725066404200	041383	27	0-27	Alluvial	USGS	1860	7.0	28.5	190	0	25	30
182727066415600	081260	61	0-61	Alluvial	USGS	617	7.3	---	300	---	68	31
182731066425300	041483	33	0-33	Alluvial	USGS	637	6.6	26.0	240	0	65	19
182737066384500	073164	82	---	Aymamon	USGS	702	8.0	---	320	---	92	22
182740066422400	081260	20	---	Alluvial	USGS	259	7.1	27.0	120	---	39	5.5
182830066441300	020457	83	---	Aymamon	USGS	---	7.4	---	410	---	79	30
182830066441301	020160	85	---	Aymamon	USGS	1560	7.4	---	340	---	84	32
182831066441900	081260	200	---	Aymamon	USGS	46600	7.8	25.0	6100	---	450	1200

Table 2B. Well completion and water quality data for selected wells and springs in the Arecibo quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182248066375900	081776	8.0	---	---	300	---	0.0	16	0.0	3.0	333	---
	101780	16	---	0.7	300	---	0.3	14	0.0	3.4	279	---
182301066444500	091060	---	25	---	230	---	44	17	0.0	4.4	---	---
182341066412400	030359	---	3	---	130	---	21	16	0.8	15	---	---
182344066412200	011878	17	---	---	180	---	13	20	0.0	13	247	---
	101780	18	---	2	190	---	12	17	0.7	21	222	---
182345066412500	080575	---	---	---	190	---	---	22	0.0	---	232	---
	101780	17	---	1	190	---	10	16	<0.1	17	215	---
142405066413100	041178	10	---	2	210	---	10	11	0.0	8.0	216	---
182427066410700	071376	9.9	---	---	160	---	8.5	9.0	0.0	14	182	---
	101780	13	---	2	150	---	11	10	10	7.4	181	---
182435066414500	032858	---	8	---	190	---	16	11	0.2	5.5	---	---
	040160	---	5	---	200	---	8.4	7.0	0.0	7.2	---	---
	110182	5.8	---	2	---	---	9.0	8.8	<0.1	8.3	231	---
	060283	3.8	---	2	170	---	10	8.1	0.2	5.5	311	---
182443066420400	061583	---	8	---	250	---	12	11	0.5	10	430	---
182456066422500	111572	12	---	---	270	---	6.4	23	0.2	15	291	---
	061278	11	---	2	270	---	13	17	0.0	9.0	296	---
	101780	23	---	0.9	300	---	16	19	0.0	8.6	306	---
	090181	12	---	0.6	240	---	160	43	<0.1	6.9	---	---
	090182	12	---	0.7	220	---	14	18	0.1	6.5	---	---
182503066423500	070778	6.0	---	2	250	---	11	18	0.1	12	278	---
	101780	23	---	1	270	---	10	16	0.0	9.5	276	---
182508066423300	061278	12	---	3	250	---	15	16	0.0	12	280	---
	101780	25	---	1	280	---	16	18	0.0	12	298	---
182509066422300	061778	22	---	3	260	---	36	19	0.0	12	317	---
	101780	28	---	1	280	---	34	18	0.1	12	319	---
182512066414100	111067	12	---	---	260	---	9.0	19	0.1	30	284	---
	091069	20	---	---	300	---	18	30	0.0	30	330	---
182512066425300	062283	7.5	---	0.9	150	---	5.7	11	0.1	8.9	288	---
182517066420700	061278	19	---	3	260	---	15	17	0.0	11	277	---
	101780	25	---	0.9	290	---	14	16	0.0	12	288	---
	041283	17	---	8	220	---	18	15	0.1	12	512	---
182518066420300	111667	10	---	---	250	---	1.0	15	---	34	270	---
182527066385700	070178	20	---	2	280	---	0.0	12	0.0	14	317	---
	101780	31	---	0.6	310	---	0.0	21	0.0	8.1	303	---
182528066385500	080960	---	4	---	250	---	2.4	11	0.0	6.6	---	---
	070178	11	---	2	310	---	2.0	20	0.2	8.4	309	---
	101780	1.8	---	0.7	260	---	0.0	19	0.0	9.0	298	---
182542066385600	122375	---	---	---	---	---	---	---	---	---	366	---
	070178	21	---	2	300	---	2.2	15	0.2	10	314	---
	101780	22	---	0.6	320	---	2.5	15	0.0	7.7	324	---
182545066411600	042883	11	---	2	160	---	18	11	0.1	23	318	---
182557066405500	092177	15	---	---	250	---	13	21	0.0	23	321	---
	041283	16	---	1	210	---	14	19	0.1	21	412	---
182614066430200	041383	23	---	0.2	150	---	84	23	0.1	32	419	---
182627066410800	090181	28	---	2	200	---	16	41	0.1	15	---	---
	090182	28	---	2	190	---	17	38	0.2	17	---	---
182630066384900	081176	350	---	---	260	---	91	810	0.0	6.0	1900	---
	070178	16	---	2	280	---	0.5	21	0.0	14	324	---
	101780	13	---	1	220	---	0.2	21	0.0	7.2	271	---
182633066373800	080860	---	18	---	220	---	6.4	30	0.0	6.2	---	---
182640066385200	031164	29	---	---	270	---	3.0	18	0.0	11	310	---
	070178	270	---	9	260	---	48	550	0.0	14	1590	---
	101780	59	---	1	300	---	12	93	0.0	6.8	441	---
	090181	160	---	2	240	---	39	310	<0.1	6.3	---	---
	090182	130	---	2	240	---	35	220	0.1	6.3	---	---
182643066385300	072864	---	96	---	96	---	25	230	0.0	6.0	---	---
182649066414000	041283	86	---	2	190	---	31	210	0.1	23	696	---
182724066392000	120882	160	---	5	240	---	41	280	<0.1	6.8	731	---
182725066404200	041383	340	---	2	410	---	85	330	0.8	4.4	1320	---
182727066415600	081260	---	29	---	340	---	48	22	0.0	34	---	---
182731066425300	041483	29	---	3	310	---	5.5	26	0.1	36	561	---
182737066384500	073164	---	13	---	300	---	3.2	66	0.0	8.0	---	---
182740066422400	081260	---	21	---	150	---	11	20	0.0	18	---	---
182830066441300	020457	---	250	---	260	---	55	410	0.1	8.2	---	---
182830066441301	020160	---	190	---	260	---	51	350	---	7.6	---	---
182831066441900	081260	---	10700	---	140	---	2600	18800	2.2	5.1	---	---

Table 2B. Well completion and water quality data for selected wells and springs in the Arecibo quadrangle (continued)

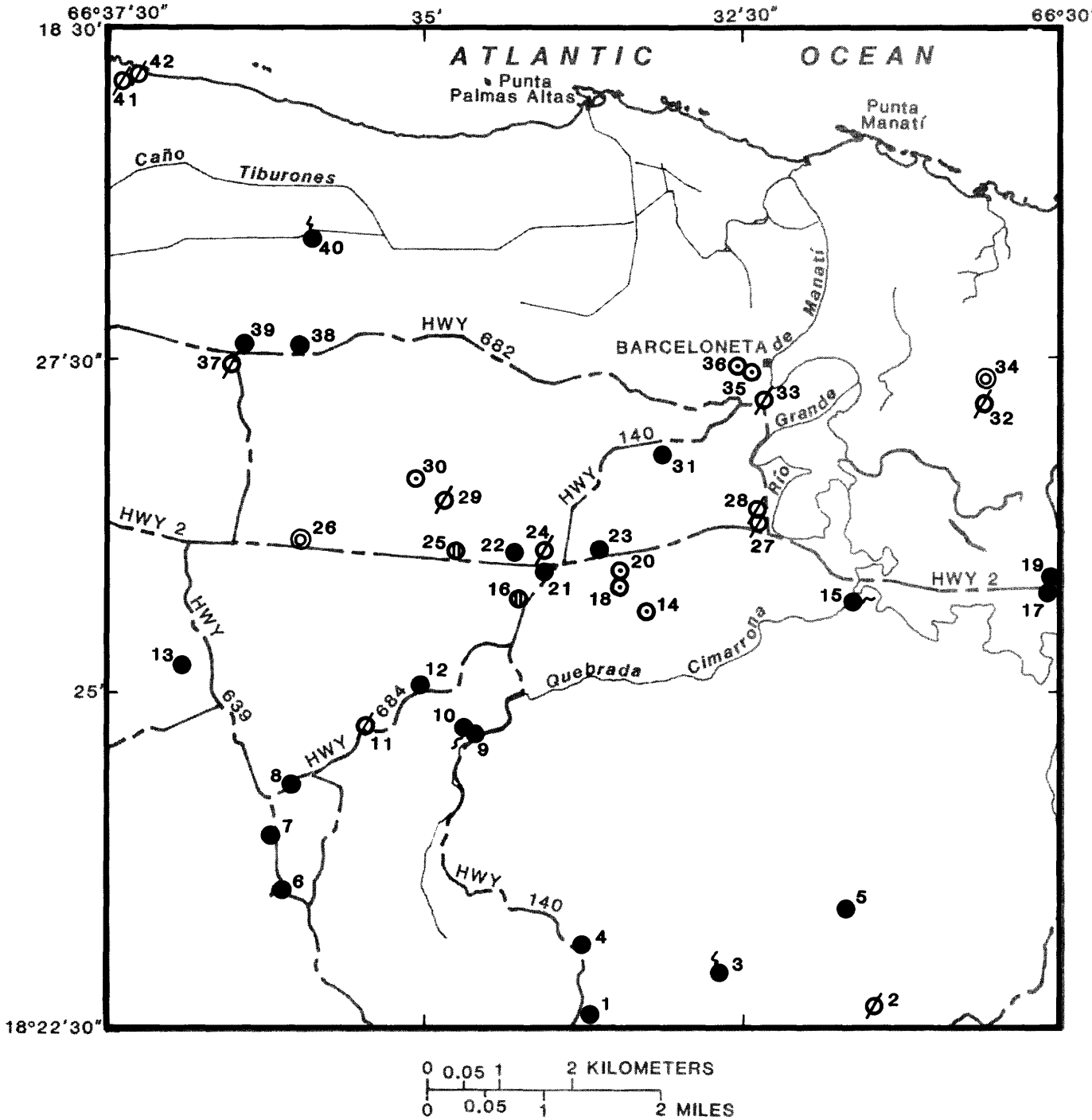
STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG.)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182248066375900	081776	7.6	---	0.00	---	---	---	---	---	0.03	---	400	0
	101780	2.4	---	0.00	---	---	---	---	---	0.00	---	130	---
182301066444500	091060	8.0	---	---	---	---	---	---	---	---	---	---	---
182341066412400	030359	0.60	---	---	---	---	---	---	---	---	---	---	---
182344066412200	011878	2.4	---	0.00	---	---	---	---	---	0.34	---	400	0
	101780	0.90	---	0.00	---	---	---	---	---	0.07	---	700	0
182345066412500	080575	0.90	---	0.00	---	---	---	---	---	---	0.0	0.0	0
	101780	4.4	---	0.00	---	---	---	---	---	0.00	---	150	0
142405066413100	041178	2.4	---	0.00	---	---	---	---	---	0.12	---	100	0
182427066410700	071376	3.5	---	0.00	---	---	---	---	---	0.04	---	100	0
	101780	0.71	---	0.00	---	---	---	---	---	0.00	---	410	0
182435066414500	032858	8.6	---	---	---	---	---	---	---	---	---	---	---
	040160	3.6	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	<0.01	1.1	<0.01	0.30	---	---	0.06	20	---	1
	060283	---	---	---	0.75	---	---	0.07	---	---	10	---	3
182443066420400	061583	---	---	---	---	---	---	---	---	---	3.0	---	3
182456066422500	111572	2.7	---	0.01	---	---	---	---	---	0.04	0.0	50	0
	061278	0.60	---	0.00	---	---	---	---	---	0.05	---	240	0
	101780	1.1	---	0.00	---	---	---	---	---	0.00	---	110	0
	090181	---	---	---	1.8	---	---	---	---	---	---	<10	<10
	090182	---	---	---	1.7	---	---	---	---	---	---	<3.0	<1
182503066423500	070778	7.1	---	0.00	---	---	---	---	---	0.09	---	440	0
	101780	1.9	---	0.00	---	---	---	---	---	0.03	---	120	0
182508066423300	061278	3.8	---	0.00	---	---	---	---	---	0.06	---	1200	0
	101780	1.5	---	0.00	---	---	---	---	---	0.00	---	260	0
182509066422300	061778	0.70	---	0.02	---	---	---	---	---	0.05	---	450	0
	101780	0.40	---	0.00	---	---	---	---	---	0.08	---	170	20
182512066414100	111067	0.44	---	0.00	---	---	---	---	---	0.05	0.0	0.0	0
	091069	2.0	---	0.01	---	---	---	---	---	0.00	50	300	0
182512066425300	062283	---	---	---	2.0	---	---	0.01	---	---	3.0	---	1
182517066420700	061278	1.1	---	0.00	---	---	---	---	---	0.12	---	350	0
	101780	0.31	---	0.00	---	---	---	---	---	0.07	---	180	0
	041283	---	---	---	0.17	---	---	0.03	---	---	20	---	7
182518066420300	111667	0.13	---	0.00	---	---	---	---	---	0.20	0.0	0.0	0
182527066385700	070178	7.2	---	0.00	---	---	---	---	---	0.05	---	70	0
	101780	2.5	---	0.00	---	---	---	---	---	0.00	---	90	10
182528066385500	080960	5.6	---	---	---	---	---	---	---	---	---	---	---
	070178	13	---	0.00	---	---	---	---	---	0.05	---	200	0
	101780	2.8	---	0.00	---	---	---	---	---	0.00	---	110	0
182542066385600	122375	---	---	---	---	---	---	---	---	---	---	100	---
	070178	23	---	0.00	---	---	---	---	---	0.04	---	160	0
	101780	5.2	---	0.00	---	---	---	---	---	0.01	---	220	10
182545066411600	042883	---	---	---	0.55	---	---	0.05	---	---	3.0	---	1
182557066405500	092177	4.0	---	0.00	---	---	---	---	---	0.12	---	800	0
	041283	---	---	---	2.3	---	---	0.04	---	---	8.0	---	1
182614066430200	041383	---	---	---	0.10	---	---	0.01	---	---	1100	---	340
182627066410800	090181	---	---	---	2.9	---	---	---	---	---	---	10	<10
	090182	---	---	---	3.0	---	---	---	---	0.02	---	<3.0	<1
182630066384900	081176	2.5	---	0.00	---	---	---	---	---	0.02	---	3900	0
	070178	10	---	0.00	---	---	---	---	---	0.00	---	40	0
	101780	2.7	---	0.00	---	---	---	---	---	0.00	---	80	0
182633066373800	080860	16	---	---	---	---	---	---	---	---	---	---	---
182640066385200	031164	0.35	---	0.00	---	---	---	---	---	0.00	0.0	100	0
	070178	5.4	---	0.00	---	---	---	---	---	0.12	---	200	0
	101780	2.7	---	0.00	---	---	---	---	---	0.00	---	200	0
	090181	---	---	---	2.8	---	---	---	---	---	10	---	<1
	090182	---	---	---	2.9	---	---	---	---	0.02	3.0	---	<1
182643066385300	072864	4.0	---	---	---	---	---	---	---	---	---	---	---
182649066414000	041283	---	---	---	0.45	---	---	0.03	---	---	8.0	---	1
182724066392000	120882	---	---	---	---	---	---	---	---	---	8.0	---	1
182725066404200	041383	---	---	---	0.85	---	---	0.03	---	---	670	---	410
182727066415600	081260	0.00	---	---	---	---	---	---	---	---	---	---	---
182731066425300	041483	---	---	---	0.10	---	---	0.04	---	---	13000	---	1
182737066384500	073164	10	---	---	---	---	---	---	---	---	---	---	---
182740066422400	081260	5.6	---	---	---	---	---	---	---	---	---	---	---
182830066441300	020457	18	---	---	---	---	---	---	---	---	---	---	---
182830066441301	020160	---	---	---	---	---	---	---	---	---	---	---	---
182831066441900	081260	0.00	---	---	---	---	---	---	---	---	---	---	---

Table 2B. Well completion and water quality data for selected wells and springs in the Arecibo quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182248066375900	081776	40	---	---	---	---	---	---	---	---	---	---	---
	101780	30	---	---	---	---	0.0	---	---	0	0	---	---
182301066444500	091060	---	---	---	---	---	---	---	---	---	---	---	---
182341066412400	030359	---	---	---	---	---	---	---	---	---	---	---	---
182344066412200	011878	6.0	---	---	---	---	---	---	---	---	---	---	---
	101780	12	---	---	---	---	0.0	---	---	0	0	---	---
182345066412500	080575	4.0	---	---	---	---	---	---	---	---	---	---	---
	101780	19	---	---	---	---	0.0	---	---	0	0	---	---
142405066413100	041178	5.0	---	---	---	---	---	---	---	---	---	---	---
182427066410700	071376	1.9	---	---	---	---	---	---	---	---	---	---	---
	101780	24	---	---	---	---	0.0	---	---	0	0	---	---
182435066414500	032858	---	---	---	---	---	---	---	---	---	---	---	---
	040160	---	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	2.4	<0.01	1	21	<1	10	<2	<3	---	---
	060283	---	---	4.2	---	---	---	---	---	---	---	---	---
182443066420400	061583	---	---	2.3	---	---	---	---	---	---	---	---	---
182456066422500	111572	12	---	---	---	---	---	---	---	---	---	---	---
	061278	2.5	---	---	---	---	---	---	---	---	---	---	---
	101780	19	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	0.2	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182503066423500	070778	3.5	---	---	---	---	---	---	---	---	---	---	---
	101780	43	---	---	---	---	0.0	---	---	0	17	---	---
182508066423300	061278	10	---	---	---	---	---	---	---	---	---	---	---
	101780	15	---	---	---	---	0.0	---	---	0	0	---	---
182509066422300	061778	12	---	---	---	---	---	---	---	---	---	---	---
	101780	18	---	---	---	---	0.0	---	---	0	0	---	---
182512066414100	111067	11	---	---	---	---	---	---	---	---	---	---	---
	091069	19	---	---	---	---	---	---	---	---	---	---	---
182512066425300	062283	---	---	2.1	---	---	---	---	---	---	---	---	---
182517066420700	061278	18	---	---	---	---	---	---	---	---	---	---	---
	101780	16	---	---	---	---	0.0	---	---	0	5	---	---
	041283	---	---	---	---	---	---	---	---	---	---	---	---
182518066420300	111667	6.0	---	---	---	---	---	---	---	---	---	---	---
182527066385700	070178	23	---	---	---	---	---	---	---	---	---	---	---
	101780	25	---	---	---	---	0.0	---	---	0	0	---	---
182528066385500	080960	---	---	---	---	---	---	---	---	---	---	---	---
	070178	30	---	---	---	---	---	---	---	---	---	---	---
	101780	65	---	---	---	---	0.0	---	---	0	6	---	---
182542066385600	122375	---	---	---	---	---	---	---	---	---	---	---	---
	070178	30	---	---	---	---	---	---	---	---	---	---	---
	101780	32	---	---	---	---	0.0	---	---	0	0	---	---
182545066411600	042883	---	---	---	---	---	---	---	---	---	---	---	---
182557066405500	092177	15	---	---	---	---	---	---	---	---	---	---	---
	041283	---	---	---	---	---	---	---	---	---	---	---	---
182614066430200	041383	---	---	---	---	---	---	---	---	---	---	---	---
182627066410800	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182630066384900	081176	40	---	---	---	---	---	---	---	---	---	---	---
	070178	35	---	---	---	---	---	---	---	---	---	---	---
	101780	35	---	---	---	---	0.0	---	---	0	0	---	---
182633066373800	080860	---	---	---	---	---	---	---	---	---	---	---	---
182640066385200	031164	25	---	---	---	---	---	---	---	---	---	---	---
	070178	28	---	---	---	---	---	---	---	---	---	---	---
	101780	16	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182643066385300	072864	---	---	---	---	---	---	---	---	---	---	---	---
182649066414000	041283	---	---	---	---	---	---	---	---	---	---	---	---
182724066392000	120882	---	---	1.5	0.01	1	16	<1	90	1	1	---	---
182725066404200	041383	---	---	---	---	---	---	---	---	---	---	---	---
182727066415600	081260	---	---	---	---	---	---	---	---	---	---	---	---
182731066425300	041483	---	---	---	---	---	---	---	---	---	---	---	---
182737066384500	073164	---	---	---	---	---	---	---	---	---	---	---	---
182740066422400	081260	---	---	---	---	---	---	---	---	---	---	---	---
182830066441300	020457	---	---	---	---	---	---	---	---	---	---	---	---
182830066441301	020160	---	---	---	---	---	---	---	---	---	---	---	---
182831066441900	081260	---	---	---	---	---	---	---	---	---	---	---	---

Table 2B. Well completion and water quality data for selected wells and springs in the Arecibo quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182248066375900	081776	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	0.0	---	---	---	0.0	0
182301D66444500	091060	---	---	---	---	---	---	---	---	---	---	---	---
182341066412400	030359	---	---	---	---	---	---	---	---	---	---	---	---
182344066412200	011B70	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	0
182345066412500	080575	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.7	0
182405066413100	041178	---	---	---	---	---	---	---	---	---	---	---	---
182427066410700	071376	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	1.7	0
182435066414500	032858	---	---	---	---	---	---	---	---	---	---	---	---
	110182	<3.0	<10	20	<10	330	6.0	<4.0	30	<4.0	<1	0.1	---
182443066420400	061583	---	---	---	---	---	---	---	---	---	---	---	---
182456066422500	061278	---	---	---	---	---	---	10	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	---
182503066423500	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	---
182508066423300	061278	---	0	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
182509066422300	061778	---	0	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
182512066414100	111067	---	---	---	---	---	---	---	---	---	---	---	---
	091069	---	---	---	---	---	---	---	---	---	---	---	---
182512066425300	0622B3	---	---	---	---	---	---	---	---	---	---	---	---
182517066420700	061278	---	---	0	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
	0412B3	---	---	---	---	---	---	---	---	---	---	---	---
182518066420300	111667	---	---	---	---	---	---	---	---	---	---	---	---
182527066385700	07017B	---	40	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.3	0
182528066385500	101780	---	---	0	---	---	---	---	---	---	---	0.5	0
182542066385600	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
182545066411600	042883	---	---	---	---	---	---	---	---	---	---	---	---
182557066405500	092177	---	---	---	---	---	---	---	---	---	---	---	---
	041283	---	---	---	---	---	---	---	---	---	---	---	---
182614066430200	041383	---	---	---	---	---	---	---	---	---	---	---	---
182627066410800	0901B1	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182630066384900	081176	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	20	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
182633066373800	080860	---	---	---	---	---	---	---	---	---	---	---	---
182640066385200	031164	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	20	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182643066385300	072864	---	---	---	---	---	---	---	---	---	---	---	---
182649066414000	041283	---	---	---	---	---	---	---	---	---	---	---	---
182724066392000	120882	<3.0	<10	<10	<10	210	<6.0	4.0	20	7.0	<1	0.2	0
182725066404200	041383	---	---	---	---	---	---	---	---	---	---	---	---
182727066415600	081260	---	---	---	---	---	---	---	---	---	---	---	---
182731066425300	0414B3	---	---	---	---	---	---	---	---	---	---	---	---
182737066384500	073164	---	---	---	---	---	---	---	---	---	---	---	---
182740066422400	081260	---	---	---	---	---	---	---	---	---	---	---	---
182830066441300	020457	---	---	---	---	---	---	---	---	---	---	---	---
182830066441301	020160	---	---	---	---	---	---	---	---	---	---	---	---
182831066441900	081260	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

- ●1 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ⊙14 WELL USED FOR INDUSTRIAL-WATER SUPPLY
- ◎34 WELL USED FOR IRRIGATION-WATER SUPPLY
- ◍25 TEST HOLE
- Ø24 ABANDONED WELL
- 3 SPRING

Note: Site numbers are identified in Table 3A.

Figure 3.--Location of selected wells and springs in the Barceloneta quadrangle.

Table 3A. Identification of selected wells and springs in the Barceloneta quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	FLORIDA-8	182235066334300
2	MONTEBELLO-1	182239066313001
3	UNKNOWN	182255066324200
4	PAJONAL-1	182305066334700
5	MONTEBELLO-4	182322066314300
6	SABANA HOYOS-1	182332066360700
7	SABANA HOYOS-2	182357066361100
8	SABANA HOYOS-3	182420066360300
9	MAGUEYES	182442066343800
10	RIACHUELO	182443066343900
11	PIKE EAST	182445066352700
12	SABANA PIKE	182503066350100
13	SABANA HOYOS-4	182512066365600
14	UCC-1	182537066331500
15	OJO DE GUILLO	182543066313900
16	NC-5	182543066341500
17	SHALLOW	182547066332800
18	MANATI-2	182548066300200
19	MANATI-1	182549066300200
20	ARTESIAN	182552066332700
21	CRUCE DAVILA-1	182555066340201
22	CRUCE DAVILA-2	182603066333600
23	CASERA-2	182603066341800
24	I PCONTR-2	182604066340200
25	NC-10	182605066344400
26	WALCOT	182607066355800
27	CANNING FACT-1	182617066322000
28	CANNING FACT-2	182619066321900
29	TIBURONES	182627066345000
30	POLLERA	182641066345600
31	FORTUNA	182647066330800
32	CANTITO LA LUISA	182710066303700
33	PLAZUELA-1	182712066322100
34	UNKNOWN	182720066303600
35	JANUARY-1	182723066322800
36	JANUARY-2	182723066323000
37	GARROCHALES-1	182726066362800
38	GARROCHALES-3	182735066355800
39	GARROCHALES-2	182735066362500
40	LA CAMBIJA	182825066355300
41	D. GONZALES-2	182926066372700
42	D. GONZALES-1	182932066372200

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182235066334300	110877	600	240-600	Lares/Montebello	PRASA	---	7.4	---	200	9	68	11
182239066313001	100677	465	125-465	Montebello	PRASA	---	7.5	---	250	8	98	2.3
	070778				PRASA	---	7.6	---	240	17	100	2.0
182255066324200	080960	SPRING		Aguada	USGS	371	7.2	24.5	180	---	71	0.2
182305066334700	111678	508	228-488	Montebello	PRASA	---	7.6	---	260	0	98	11
182322066314300	122176	200	160-200	Montebello	PRASA	---	7.3	---	250	16	100	3.3
	070778				PRASA	---	7.6	---	250	8	98	2.4
	101780				PRASA	---	7.2	---	270	0	89	7.6
182332066360700	080960	250	80-120	Aguada	USGS	362	7.3	24.5	170	---	54	9.1
	030261				USGS	1270	8.1	24.0	330	---	---	---
	070778				PRASA	---	7.5	---	240	---	93	0.0
	101780				PRASA	---	7.3	---	260	0	60	25
182357066361100	022869	400	100-400	Aguada/	PRASA	---	7.3	---	220	3	83	4.0
	070178			Montebello	PRASA	---	7.4	---	220	0	79	1.8
	101780				PRASA	---	7.1	---	240	0	86	4.5
182420066360300	070178	700	440-680	Montebello	PRASA	---	7.3	---	220	16	89	3.0
	121179				PRASA	---	7.4	---	220	22	93	1.8
	101780				PRASA	---	7.4	---	240	0	85	3.9
	032384				USGS	510	7.2	24.0	230	120	87	2.8
182442066343800	122269	325	285-325	Aguada	PRASA	380	7.2	---	220	11	80	7.0
	070778				PRASA	---	7.5	---	220	5	90	0.6
	091080				PRASA	---	7.7	---	240	0	85	2.4
182443066343900	080960	SPRING		Aymamón	USGS	404	7.5	23.5	210	---	80	2.8
182445066352700	080960	350	---	Aymamón	USGS	311	7.6	---	160	---	63	1.0
182503066350100	071080	600	140-600	Aymamón/Aguada	PRASA	---	7.8	---	230	0	63	2.9
182512066365600	100482	---	---	---	PRASA	---	6.9	---	250	---	97	---
182537066331500	050167	300	240-300	Aguada	USGS	---	7.5	---	240	---	88	6.0
182543066313900	030261	SPRING		Aymamón	USGS	177	7.7	24.0	---	---	69	---
	090181				USGS	510	6.8	24.5	---	---	90	3.3
	090182				USGS	530	6.8	24.0	---	---	94	1.9
	110182				USGS	525	6.80	24.0	240	17	93	2.9
182543066341500	072386	2564	* 577	Aguada	USGS	430	7.73	24.5	240	---	89.0	3.70
	072386		* 655	Aguada	USGS	420	7.80	24.5	220	---	81.0	4.90
	072586		* 995	Montebello	USGS	420	7.84	23.5	230	---	74.0	11.0
	072886		* 1255	Montebello	USGS	425	7.85	22.5	240	---	83.0	6.8
	072986		* 1555	Lares-Montebello	USGS	1250	7.73	24.0	340	---	98.0	23.0
	081986		* 1800	Lares	USGS	689	7.86	23.5	269	---	87.0	12.0
182547066332800	060280	400	---	Aguada	OWNER	485	7.0	---	180	---	64	7.5
182548066300200	091080	212	153-212	Aymamon/Aguada	PRASA	---	7.7	---	250	0	76	14
	070681				PRASA	---	8.1	---	220	---	53	7.0
182549066300200	031559	210	120-210	Alluvial/Aguada	USGS	---	7.1	---	260	---	79	15
	091080				PRASA	---	7.4	---	250	0	79	11
	011382				PRASA	---	7.5	---	260	---	100	15
182552066332700	060280	1001	---	Montebello	OWNER	400	7.5	---	150	---	63	8.3
182555066340200	052758	1234	* 235	Aymamón	PRASA	---	7.0	---	240	45	99	8.1
	051172		1083-1234	Montebello	PRASA	432	7.4	---	230	0	57	18
	060178				PRASA	---	7.2	---	230	76	120	2.7
	090180				PRASA	---	7.8	---	250	0	77	7.3
	090181				USGS	---	7.2	23.5	---	0	80	2.1
	090182				USGS	473	7.2	23.0	---	---	83	7.9
	032084				USGS	460	7.3	23.3	230	42	80	6.9
182603066333600	011165	235	---	Aguada	USGS	635	7.5	25.0	290	---	110	6.2
	060166				USGS	591	7.8	22.5	290	---	100	8.6
	050867				USGS	592	7.7	24.5	290	---	100	6.2
	011768				USGS	605	7.7	---	290	---	100	9.8
	060178				PRASA	---	7.5	---	230	12	66	19
	100980				PRASA	---	7.5	---	280	44	120	4.5
	090181				USGS	600	7.0	25.0	---	---	110	3.3
	090182				USGS	627	7.2	24.5	---	---	110	2.6
182603066341800	090181	400	---	Aguada	USGS	452	7.3	24.5	---	---	74	3.1
	090182				USGS	470	7.5	25.5	---	---	82	7.8
182604066340200	070168	2410	* 800	Aguada	USGS	293	7.9	---	130	---	---	---
	070168		* 850	Aguada	USGS	410	7.8	---	190	---	---	---
	070168		* 900	Montebello	USGS	444	7.8	---	210	---	---	---
	070168		* 1000	Montebello	USGS	326	7.9	---	170	---	---	---
	070168		* 1050	Montebello	USGS	325	8.1	---	190	---	---	---
	070168		* 1200	Montebello	USGS	383	7.6	---	190	---	52	14
	070168		* 2410	San Sebastian	USGS	906	7.9	25.0	340	---	50	52
182605066344400	012287	1575	* 336	Aguada	USGS	470	7.8	25.0	210	---	78.0	2.60
	012287		* 536	Aguada	USGS	5500	8.0	25.0	710	---	130	94.0
	012387		* 636	Aguada	USGS	36500	7.5	25.0	---	---	---	---
	012387		* 716	Cibao	USGS	19000	7.9	25.0	---	---	---	---
	012387		* 816	Cibao	USGS	7500	7.9	25.0	---	---	---	---
	012687		* 900	Cibao	USGS	400	7.9	25.0	230	---	78.0	8.1
	012687		* 1056	Lares/Montebello	USGS	425	7.9	25.0	230	---	74.0	11
	012687		* 1116	Lares/Montebello	USGS	400	7.9	25.0	240	---	85.0	5.7
	012787		* 1296	Lares/Montebello	USGS	400	7.5	25.0	230	---	84.0	3.9
	012887		* 1456	Lares/Montebello	USGS	400	7.8	25.0	240	---	80.0	9.6
	012887		* 1496	Lares/Montebello	USGS	460	7.9	25.0	250	---	78.0	12
182607066355800	090181	350	---	Aymamón/Aguada	USGS	484	7.0	25.0	---	---	92	1.8
	090182				USGS	490	7.5	25.5	---	---	91	4.3
182617066322000	040256	80	40-80	Alluvial	USGS	---	7.6	---	390	---	130	15

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182619066321900	041756	96	40-80	Alluvial	USGS	---	6.9	---	380	---	130	14
182627066345000	062978	400	---	Aymamon	PRASA	---	7.4	---	200	210	110	31
	091080				PRASA	---	7.7	---	210	130	110	17
	070681				PRASA	---	7.8	---	180	---	98	21
	090181				PRASA	1440	7.5	26.5	---	---	110	13
	090182				PRASA	1530	7.4	26.5	---	---	110	23
182641066345600	032384	350	---	Aymamon	USGS	2000	7.2	25.3	350	150	93	29
182647066330800	030359	230	160-230	Aymamon	USGS	---	7.1	---	370	---	120	15
	110769				PRASA	600	7.6	---	250	34	97	10
	061570				PRASA	1500	7.4	---	300	160	140	24
	030873				USGS	1470	---	24.5	260	---	---	---
	060178				PRASA	---	7.3	---	250	63	100	14
	091080				PRASA	---	7.8	---	280	61	100	22
182710066303700	031678	126	80-126	Aymamon	PRASA	---	7.1	---	240	120	110	18
	050979				PRASA	---	7.5	---	240	120	110	19
182712066322100	013063	120	73-120	Alluvial/Aymamon	USGS	489	8.1	---	130	---	19	21
182720066303800	090181	165	108-150	Aymamon	USGS	1160	8.0	27.5	---	---	110	25
	090182				USGS	1230	7.2	27.0	---	---	110	24
182723066322800	091570	82	---	Alluvial/Aymamon	OWNER	---	7.4	---	580	320	150	50
182723066323000	091570	150	---	Alluvial/Aymamon	OWNER	---	7.4	---	---	---	290	93
182723066362800	012065	135	115-135	Aymamon	PRASA	---	7.0	---	210	---	71	7.0
	051380				PRASA	---	7.8	---	270	---	100	10
182735066355800	051380	81	68-81	Aymamon	PRASA	---	7.8	---	270	28	100	10
	032384				USGS	960	7.1	25.0	---	---	96	11
182735066362500	101780	100	---	Aymamon	PRASA	---	7.4	---	250	---	74	23
182825066355300	110182	SPRING		Aymamon	USGS	5470	7.2	24.0	710	460	130	92
182926066372700	031573	80	---	Aymamon	USGS	1910	---	24.0	400	---	---	---
182932066372200	031573	96	---	Aymamon	USGS	4380	---	---	790	---	---	---

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182235066334300	110877	6.0	---	---	250	---	2.4	11	0.1	0.3	247	---
182239066313001	100677	5.0	---	---	300	---	1.0	12	0.0	0.0	303	---
	070778	6.0	---	1	300	---	3.3	14	0.0	8.0	305	---
182255066324200	080960	---	9	---	190	---	17	12	0.0	5.2	---	---
182305066334700	111678	16	---	0.8	320	---	1.8	10	---	4.0	297	---
182322066314300	122176	7.4	---	---	310	---	0.0	19	0.0	6.6	318	---
	070778	9.0	---	1	300	---	3.3	13	0.1	6.0	343	---
	101780	19	---	0.4	320	---	2.8	13	0.0	5.4	302	---
182332066360700	080960	---	23	---	240	---	4.0	12	0.0	4.6	---	---
	030261	---	---	---	180	---	---	170	---	---	---	---
	070778	23	---	2	300	---	4.0	20	0.0	0.0	314	---
	101780	20	---	0.7	320	---	3.7	20	0.0	4.7	311	---
182357066361100	022869	10	---	---	270	---	1.0	17	0.0	5.0	256	---
	070178	2.0	---	1	270	---	3.0	15	0.0	11	274	---
	101780	16	---	0.7	300	---	0.1	16	0.0	6.8	282	---
182420066360300	070178	4.0	---	2	270	---	2.0	16	0.0	7.0	261	---
	121179	5.0	---	---	270	---	12	13	---	9.5	311	---
	101780	18	---	0.7	290	---	0.2	15	0.0	6.8	281	---
	032384	6.2	---	0.5	270	0.5	5.3	13	0.1	5.1	266	---
182442066343800	122269	26	---	---	260	---	3.0	44	0.0	4.0	270	---
	070778	10	---	1	270	---	2.5	13	0.1	6.0	264	---
	091080	19	---	0.4	290	---	1.3	11	0.0	7.0	241	---
182443066343900	080960	---	6	---	260	---	4.0	8.0	0.0	3.8	---	---
182445066352700	080960	---	7	---	190	---	4.0	7.0	0.0	3.8	---	---
182503066350100	071080	---	---	---	280	---	3.4	13	0.0	2.1	249	---
182512066365600	100482	20	---	0.9	---	---	13	18	0.0	11	---	---
182537066331500	050167	---	22	---	240	---	53	22	0.0	---	391	---
182543066313900	030261	---	---	---	70	---	---	14	---	---	---	---
	090181	11	---	2	230	---	4.3	21	<0.1	5.7	---	---
	090182	13	---	1	230	---	5.0	18	0.1	6.4	---	---
	110182	12	---	2	---	---	4.0	18	<0.1	6.4	275	---
182543066341500	072386	11.0	---	0.900	183	<0.500	5.20	20.0	<0.100	7.80	250	---
	072386	7.10	---	0.800	---	<0.500	---	---	<0.100	---	---	---
	072586	6.50	---	1.00	198	0.700	14.0	9.50	0.300	5.80	240	---
	072886	5.70	---	0.490	195	<0.500	3.80	9.20	0.100	4.20	230	---
	072986	110	---	0.900	257	<0.500	340	44.0	0.300	4.70	820	---
	081986	48.0	---	0.800	186	<0.500	129	19.0	0.200	4.10	430	---
182547066332800	060280	---	---	---	---	---	12	96	---	6.1	352	---
182548066300200	091080	18	---	1	310	---	10	16	0.0	25	---	---
	070681	39	---	1	---	---	10	14	0.4	22	315	---
182549066300200	031559	---	9	---	290	---	23	14	0.8	16	---	---
	091080	22	---	1	310	---	13	17	0.1	26	303	---
	011382	29	---	2	---	---	18	53	0.0	19	454	---
182552066332700	060280	---	---	---	---	---	48	48	---	5.2	308	---
182555066340200	052758	3.7	---	---	290	---	3.8	28	0.0	7.6	360	---
	051172	15	---	---	280	---	0.0	16	0.0	7.4	308	---
	060178	23	---	2	290	---	13	64	0.0	8.4	481	---
	090180	24	---	0.4	300	---	6.5	12	0.0	6.0	285	---
	090181	5.9	---	0.3	230	---	4.8	10	0.1	3.8	---	---
	090182	5.9	---	0.4	230	---	6.0	11	0.2	3.6	---	---
	032084	5.7	---	0.4	270	<0.5	5.0	11	0.1	3.7	---	---
182603066333600	011165	---	14	---	300	---	1.6	46	0.2	7.0	---	---
	060166	---	8	---	290	---	2.8	33	0.0	6.9	---	---
	050867	---	13	---	290	---	8.8	40	0.0	7.6	---	---
	011768	---	15	---	320	---	0.4	36	0.1	6.7	---	---
	060178	16	---	1	280	---	14	20	0.1	4.8	268	---
	100980	36	---	0.8	340	---	16	68	0.0	10	507	---
	090181	19	---	0.5	270	---	14	30	<0.1	6.5	---	---
	090182	15	---	0.7	220	---	12	23	0.1	8.3	---	---
182603066341800	090181	6.3	---	0.7	230	---	11	11	0.1	8.3	---	---
	090182	6.5	---	0.7	220	---	12	10	0.2	7.6	---	---
182604066340200	070168	---	10	---	140	---	19	14	0.1	7.3	---	---
	070168	---	---	---	220	---	15	14	---	---	---	---
	070168	---	---	---	240	---	15	15	---	---	---	---
	070168	---	---	---	280	---	17	13	---	---	---	---
	070168	---	---	---	240	---	15	16	---	---	---	---
	070168	---	8.8	---	210	---	16	14	0.5	6.3	---	---
	070168	---	74	---	310	---	180	30	4.2	16	---	---
182605066344400	012287	12.0	---	0.500	152	<0.500	19.0	28.0	<0.100	4.60	254	---
	012287	810	---	34.0	196	<0.500	240	1600	0.200	7.50	3240	---
	012387	---	---	270	147	<0.500	2200	16000	0.400	---	25700	---
	012387	---	---	150	176	<0.500	1000	7400	0.300	---	13600	---
	012387	---	---	44.0	202	<0.500	310	2300	0.200	---	4380	---
	012687	7.20	---	0.940	191	0.800	14.0	11.0	0.100	9.70	240	---
	012687	6.30	---	1.00	198	0.800	11.0	10.0	0.200	6.70	240	---
	012687	5.20	---	0.370	189	<0.500	8.10	9.00	0.100	4.20	230	---
	012787	5.50	---	0.420	187	<0.500	2.70	10.0	<0.100	3.20	220	---
	012887	5.90	---	0.490	166	<0.500	5.00	9.70	0.200	4.20	220	---
	012887	6.30	---	0.520	164	<0.500	5.30	10.0	0.200	4.30	220	---
182607066355800	090181	6.8	---	0.6	230	---	2.4	11	<0.1	6.8	---	---
	090182	7.2	---	0.6	220	---	5.0	11	0.1	6.6	---	---

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182617066322000	040256	---	78	---	290	---	24	220	0.2	16	---	---
182619066321900	041756	---	55	---	320	---	24	210	---	15	---	---
182627066345000	062978	100	---	10	240	---	42	270	0.0	17	892	---
	091080	130	---	6	260	---	32	250	0.0	9.0	853	---
	070681	220	---	4	---	---	45	330	0.3	8.0	998	---
	090181	150	---	5	200	---	37	320	0.1	7.6	---	---
	090182	160	---	7	210	---	37	350	0.1	7.6	---	---
182641066345600	032384	210	---	11	260	<0.5	60	420	<0.1	7.1	1030	---
182647066330800	030359	---	81	---	270	---	23	220	0.8	9.5	---	---
	110769	19	---	---	310	---	3.0	36	0.0	6.0	409	---
	061570	180	---	---	370	---	49	360	0.0	12	1020	---
	030873	---	---	---	---	---	63	270	---	---	---	---
	060178	180	---	11	300	---	83	260	0.3	8.0	780	---
	091080	170	---	9	340	---	110	220	---	9.0	877	---
182710066303700	031678	100	---	---	290	---	27	220	0.0	2.0	706	---
	050979	100	---	4	290	---	24	230	0.0	15	755	---
182712066322100	013063	---	43	---	140	---	1.6	78	0.2	2.0	---	---
182720066303800	090181	110	---	4	240	---	21	240	<0.1	16	---	---
	090182	15	---	3	240	---	23	110	0.1	17	---	---
182723066322800	091570	120	---	1	310	---	39	390	0.5	31	932	---
182723066323000	091570	400	---	12	270	---	92	1200	0.3	15	2240	---
182723066362B00	012065	---	62	---	290	---	10	61	0.1	13	386	---
	051380	90	---	4	---	---	22	140	0.0	6.0	586	---
182735066355800	051380	90	---	4	330	---	23	140	0.0	6.5	586	---
	032384	68	---	3	310	<0.5	25	120	---	6.8	509	---
182735066362500	101780	140	---	5	---	---	30	210	0.0	5.0	691	---
182825066355300	110182	930	---	31	250	---	270	1900	0.1	6.3	3510	---
182926066372700	031573	---	---	---	---	---	40	450	---	---	---	---
182932066372200	031573	---	---	---	---	---	140	300	---	---	---	---

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG.)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182235066334300	110877	4.8	---	0.00	---	---	---	---	---	0.37	---	280	0
182239066313001	100677	1.0	---	0.00	---	---	---	---	---	0.05	0.0	0.0	0
	070778	10	---	0.00	---	---	---	---	---	0.06	---	400	0
182255066324200	080960	6.0	---	---	---	---	---	---	---	---	---	---	---
182305066334700	111678	11	---	0.00	---	---	---	---	---	0.04	---	70	0
182322066314300	122176	6.6	---	0.00	---	---	---	---	---	1.2	---	300	0
	070778	9.3	---	0.00	---	---	---	---	---	0.07	---	620	0
	101780	2.2	---	0.00	---	---	---	---	---	0.16	---	130	0
182332066360700	080960	7.6	---	---	---	---	---	---	---	---	---	---	---
	030261	---	---	---	---	---	---	---	---	---	---	---	---
	070778	8.1	---	0.00	---	---	---	---	---	0.08	---	380	0
	101780	2.4	---	0.00	---	---	---	---	---	0.03	---	150	10
182357066361100	022869	0.70	---	0.01	---	---	---	---	---	0.00	0.0	0.0	0
	070178	5.4	---	0.00	---	---	---	---	---	0.06	---	0.0	0
	101780	1.1	---	0.00	---	---	---	---	---	0.00	---	80	0
182420066360300	070178	5.0	---	0.00	---	---	---	---	---	0.07	---	600	0
	121179	2.5	---	0.00	---	---	---	---	---	0.00	---	130	0
	101780	1.8	---	0.00	---	---	---	---	---	0.00	---	120	0
	032384	---	---	---	1.4	0.01	0.40	1.8	<0.01	---	---	---	<1
182442066343800	122269	3.8	---	0.00	---	---	---	---	---	0.00	0.0	20	0
	070778	10	---	0.00	---	---	---	---	---	0.07	---	120	0
	091080	2.5	---	0.00	---	---	---	---	---	0.04	---	60	110
182443066343900	080960	0.00	---	---	---	---	---	---	---	---	---	---	---
182445066352700	080960	4.6	---	---	---	---	---	---	---	---	---	---	---
182503066350100	071080	1.1	---	0.00	---	---	---	---	---	0.05	---	60	0
182512066365600	100482	1.2	---	---	---	---	---	---	---	---	---	0.0	0
182537066331500	050167	16	---	---	---	---	---	---	---	---	---	---	---
182543066313900	030261	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	3.1	---	---	---	---	---	---	3.0	45
	090182	---	---	---	3.2	---	---	---	---	---	---	6.0	23
	110182	---	---	<0.01	3.3	0.06	0.10	---	---	0.02	<3.0	---	14
182543066341500	072386	---	---	---	5.60	0.021	---	0.300	<0.010	---	7.00	---	17
	072386	---	---	---	---	0.010	---	1.00	<0.010	---	<3.00	---	14
	072586	---	---	---	<0.100	0.021	---	0.200	0.010	---	4.00	---	9.0
	072886	---	---	---	1.70	0.041	---	0.200	0.010	---	4.00	---	5.0
	072986	---	---	---	1.40	29.0	---	26.0	0.021	---	5.00	---	9.0
	081986	---	---	---	1.70	11.0	---	12.0	<0.010	---	4.00	---	46
182547066332600	060280	0.03	---	---	---	---	---	---	---	---	---	---	---
182548066300200	091080	0.65	---	0.00	---	---	---	---	---	0.00	---	30	20
	070681	0.90	---	---	---	---	---	---	---	---	---	200	0
182549066300200	031559	0.00	---	---	---	---	---	---	---	---	---	---	---
	091080	0.83	---	0.00	---	---	---	---	---	0.20	---	70	18
	011382	6.0	---	---	---	---	---	---	---	---	---	140	0
182552066332700	060280	0.15	---	---	---	---	---	---	---	---	---	---	---
182555066340200	052758	11	---	0.00	---	---	---	---	---	0.02	100	200	0
	051172	3.2	---	0.00	---	---	---	---	---	0.00	0.0	200	0
	060178	30	---	0.00	---	---	---	---	---	0.05	---	190	0
	100980	1.5	---	0.00	---	---	---	---	---	0.06	---	40	55
	090181	---	---	---	1.6	---	---	---	---	---	---	30	10
	090182	---	---	---	1.7	---	---	---	---	---	---	10	1
	032084	---	---	---	1.8	0.01	0.50	2.1	<0.01	---	<3.0	---	<1
182603066333600	011165	13	---	---	---	---	---	---	---	---	---	---	---
	060166	19	---	---	---	---	---	---	---	---	---	---	---
	050867	16	---	---	---	---	---	---	---	---	---	---	---
	011768	20	---	---	---	---	---	---	---	---	---	---	---
	060178	8.6	---	0.00	---	---	---	---	---	0.10	---	140	0
	100980	3.1	---	0.00	---	---	---	---	---	0.03	---	90	12
	090181	---	---	---	3.5	---	---	---	---	---	10	---	<10
	090182	---	---	---	5.3	---	---	---	---	---	13	---	2
182603066341800	090181	---	---	---	0.42	---	---	---	---	---	---	30	10
	090182	---	---	---	0.57	---	---	---	---	0.01	---	8.0	<1
182604066340200	070168	0.40	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	070168	0.10	---	---	---	---	---	---	---	---	---	---	---
	070168	0.00	---	---	---	---	---	---	---	---	---	---	---
182605066344400	012287	---	---	---	7.60	0.050	---	7.60	0.010	---	<3.00	---	9
	012287	---	---	---	6.60	0.050	---	7.30	<0.010	---	<9.00	---	17
	012387	---	---	---	0.820	0.460	---	0.900	0.010	---	---	---	---
	012387	---	---	---	0.350	0.200	---	0.400	0.010	---	---	---	---
	012387	---	---	---	0.160	0.080	---	0.400	<0.010	---	---	---	---
	012687	---	---	---	0.130	0.041	---	0.500	0.010	---	5.00	---	16
	012687	---	---	---	<0.100	0.060	---	0.500	0.010	---	<3.00	---	7
	012687	---	---	---	0.870	0.030	---	<0.200	0.010	---	4.00	---	5
	012787	---	---	---	1.80	0.041	---	0.400	0.010	---	<3.00	---	1
	012887	---	---	---	1.50	0.030	---	0.300	0.021	---	<3.00	---	1
	012887	---	---	---	1.40	0.041	---	0.500	0.021	---	<3.00	---	3
182607066355800	090181	---	---	---	5.4	---	---	---	---	---	---	40	<10
	090182	---	---	---	5.0	---	---	---	---	0.01	---	5.0	<1

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG.)	NITROGEN DIS-SOLVED (MG/L AS N)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DIS-SOLVED (UG/L AS Mn)
182617066322000	040256	---	---	---	---	---	---	---	---	---	---	---	---
182619066321900	041756	---	---	---	---	---	---	---	---	---	---	---	---
182627066345000	062978	25	---	0.00	---	---	---	---	---	0.00	---	70	0
	091080	7.4	---	0.00	---	---	---	---	---	0.02	---	510	13
	070681	7.3	---	---	---	---	---	---	---	---	---	0.0	20
	090181	---	---	---	9.0	---	---	---	---	---	---	30	10
	090182	---	---	---	9.7	---	---	---	---	0.01	---	10	1
182641066345600	032384	---	---	---	5.7	0.01	0.70	6.4	<0.01	---	6.0	---	<1
182647066330800	030359	0.20	---	---	---	---	---	---	---	---	---	---	---
	110769	3.4	---	0.00	---	---	---	---	---	0.02	5.0	10	0
	061570	0.10	---	0.01	---	---	---	---	---	0.01	0.0	0.0	0
	030873	---	---	---	---	---	---	---	---	---	0.0	---	---
	060178	9.5	---	0.00	---	---	---	---	---	0.07	0.0	330	0
	091080	2.2	---	0.00	---	---	---	---	---	0.04	---	40	15
182710066303700	031678	4.5	---	0.00	---	---	---	---	---	0.24	---	420	120
	050979	6.4	---	0.03	---	---	---	---	---	0.01	---	320	60
182712066322100	013063	0.00	---	---	---	---	---	---	---	---	---	---	---
182720066303800	090181	---	---	---	4.5	---	---	---	---	---	---	<10	20
	090182	---	---	---	7.2	---	---	---	---	0.01	---	<3.0	4
182723066322800	091570	0.00	---	---	---	---	---	---	---	0.00	---	---	---
182723066323000	091570	1.0	---	---	---	---	---	---	---	0.00	---	---	---
182723066362800	012065	6.0	---	---	---	---	---	---	---	---	---	---	---
	051380	2.7	---	---	---	---	---	---	---	---	---	150	0
182735066355800	051380	2.7	---	0.00	---	---	---	---	---	0.11	---	150	0
	032384	---	---	---	3.1	0.03	0.60	3.7	<0.01	---	---	---	<1
182735066362500	101780	5.0	---	---	---	---	---	---	---	---	---	0.0	0
182825066355300	110182	---	---	<0.01	2.4	0.11	<0.10	---	---	0.01	9.0	---	1
182926066372700	031573	---	---	---	---	---	---	---	---	---	0.0	---	---
182932066372200	031573	---	---	---	---	---	---	---	---	---	---	---	---

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182235066334300	110B77	21	---	---	---	---	---	---	---	---	---	---	---
182239066313001	100677	20	---	---	---	---	---	---	---	---	---	---	---
	07077B	10	---	---	---	---	---	---	---	---	---	---	---
182255066324200	080960	---	---	---	---	---	---	---	---	---	---	---	---
182305066334700	11167B	15	---	---	---	---	0.0	---	---	0	0	---	---
182322066314300	122176	8.0	---	---	---	---	---	---	---	---	---	---	---
	07077B	12	---	---	---	---	---	---	---	---	---	---	---
	101780	35	---	---	---	---	0.0	---	---	0	0	---	---
182332066360700	080960	---	---	---	---	---	---	---	---	---	---	---	---
	030261	---	---	---	---	---	---	---	---	---	---	---	---
	07077B	19	---	---	---	---	---	---	---	---	---	---	---
	1017B0	20	---	---	---	---	0.0	---	---	0	0	---	---
182357066361100	022B69	15	---	---	---	---	---	---	---	---	---	---	---
	070178	25	---	---	---	---	---	---	---	---	---	---	---
	1017B0	39	---	---	---	---	0.0	---	---	0	0	---	---
182420066360300	070178	30	---	---	---	---	---	---	---	---	---	---	---
	121179	17	---	---	---	---	---	---	---	---	---	---	---
	1017B0	19	---	---	---	---	0.0	---	---	0	0	---	---
	0323B4	---	---	0.3	---	1	11	---	---	<1	---	0.00	---
182442066343800	122269	25	---	---	---	---	---	---	---	---	---	---	---
	070778	13	---	---	---	---	---	---	---	---	---	---	---
	0910B0	9.6	---	---	---	---	---	---	---	0	0	---	---
182443066343900	080960	---	---	---	---	---	---	---	---	---	---	---	---
182445066352700	080960	---	---	---	---	---	---	---	---	---	---	---	---
182503066350100	071080	---	---	---	---	---	---	---	---	---	---	---	---
182512066365600	1004B2	---	---	---	---	---	---	---	---	---	---	---	---
182537066331500	050167	---	---	---	---	---	---	---	---	---	---	---	---
182543066313900	030261	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	1.5	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	1.6	<0.D0	3	19	<1.0	30	<1	<1	---	---
182543066341500	072386	---	---	1.10	---	<1.00	14	<0.5	30	1	---	<0.00	0.1
	072386	---	---	0.900	---	<1.00	11	<0.5	40	<1	---	---	---
	072586	---	---	1.20	---	<1.00	10	<0.5	30	<1	---	<0.00	0.05
	072BB6	---	---	0.B00	---	<1.00	5.0	<0.5	20	<1	---	<0.00	0.05
	072986	---	---	0.800	---	<1.00	15	<0.5	30	<1	---	0.14	0.32
	0819B6	---	---	0.200	---	<1.00	12	<0.5	40	<1	---	0.26	---
182547066332600	0602B0	---	---	---	---	---	---	---	---	---	---	---	---
182548066300200	091080	10	---	---	---	---	---	---	---	0	0	---	---
	070681	---	---	---	---	---	---	---	---	---	---	---	---
182549066300200	031559	---	---	---	---	---	---	---	---	---	---	---	---
	091080	19	---	---	---	---	---	---	---	0	0	---	---
	011382	---	---	---	---	---	---	---	---	---	---	---	---
182552066332700	060280	---	---	---	---	---	---	---	---	---	---	---	---
182555066340200	052758	17	---	---	---	---	---	---	---	---	---	---	---
	051172	20	---	---	---	---	---	---	---	---	---	---	---
	060178	38	---	---	---	---	---	---	---	---	---	---	---
	090180	7.5	---	---	---	---	---	---	---	0	0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	0901B2	---	---	---	---	---	---	---	---	---	---	---	---
	0320B4	---	---	0.7	---	1	9.0	<1.0	<20	---	---	0.00	0.1
182603066333600	011165	---	---	---	---	---	---	---	---	---	---	---	---
	060166	---	---	---	---	---	---	---	---	---	---	---	---
	050B67	---	---	---	---	---	---	---	---	---	---	---	---
	011768	---	---	---	---	---	---	---	---	---	---	---	---
	06017B	17	---	---	---	---	---	---	---	---	---	---	---
	100980	1B	---	---	---	---	---	---	---	0	0	---	---
	090181	---	0.2	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182603066341B00	0901B1	---	0.0	---	---	---	---	---	---	---	---	---	---
	D901B2	---	---	---	---	---	---	---	---	---	---	---	---
182604066340200	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
182605066344400	012287	---	---	0.8	---	<1	3.0	<0.5	20	<1	---	0.004	---
	012287	---	---	0.6	---	<1	14	<2.0	470	3	---	<0.001	---
	0123B7	---	---	0.6	---	<1	---	---	3500	---	---	<0.001	---
	012387	---	---	0.5	---	<1	---	---	1B00	---	---	<0.001	---
	012387	---	---	0.8	---	<1	---	---	570	---	---	<0.001	---
	0126B7	---	---	0.6	---	<1	13	<0.5	40	<1	---	0.003	---
	012687	---	---	0.5	---	<1	13	<0.5	30	<1	---	<0.001	---
	012687	---	---	0.6	---	<1	6.0	<0.5	20	<1	---	<0.001	---
	012787	---	---	0.8	---	<1	3.0	<0.5	20	<1	---	0.005	---
	012887	---	---	0.8	---	<1	5.0	<0.5	20	<1	---	<0.001	---
	0128B7	---	---	0.6	---	<1	5.0	<0.5	20	<1	---	0.002	---
182607066355800	0901B1	---	---	---	---	---	---	---	---	---	---	---	---
	0901B2	---	---	---	---	---	---	---	---	---	---	---	---

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182617066322000	040256	---	---	---	---	---	---	---	---	---	---	---	---
182619066321900	041756	---	---	---	---	---	---	---	---	---	---	---	---
182627066345000	062978	21	---	---	---	---	---	---	---	---	---	---	---
	091080	8.6	---	---	---	---	---	---	---	0	5	---	---
	070681	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182641066345600	032384	---	---	0.5	---	<1	11	<1.0	130	<1	---	0.00	1.4
182647066330800	030359	---	---	---	---	---	---	---	---	---	---	---	---
	110769	26	---	---	---	---	---	---	---	---	---	---	---
	061570	36	---	---	---	---	---	---	---	---	---	---	---
	030873	---	---	---	---	---	---	---	---	---	---	---	---
	060178	27	---	---	---	---	---	---	---	---	---	---	---
	091080	8.6	---	---	---	---	---	---	---	0	0	---	---
182710066303700	031678	42	---	---	---	---	---	---	---	---	---	---	---
	050979	20	---	---	---	---	---	---	---	---	---	---	---
182712066322100	013063	---	---	---	---	---	---	---	---	---	---	---	---
182720066303800	090181	---	0.1	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182723066322800	091570	---	---	---	---	---	---	---	---	---	---	---	---
182723066323000	092570	---	---	---	---	---	---	---	---	---	---	---	---
182723066362800	012065	---	---	---	---	---	---	---	---	---	---	---	---
	051380	---	---	---	---	---	---	---	---	---	---	---	---
182735066355800	051380	8.3	---	---	---	---	---	---	---	3	0	---	---
	032384	---	---	0.4	---	1	12	<1.0	60	<1	---	0.00	0.7
182735066362500	101780	---	---	---	---	---	---	---	---	---	---	---	---
182825066355300	110182	---	---	2.0	<0.00	<1	24	<1.0	370	1	<1	---	---
182926066372700	031573	---	---	---	---	---	---	---	---	---	---	---	---
182932066372200	031573	---	---	---	---	---	---	---	---	---	---	---	---

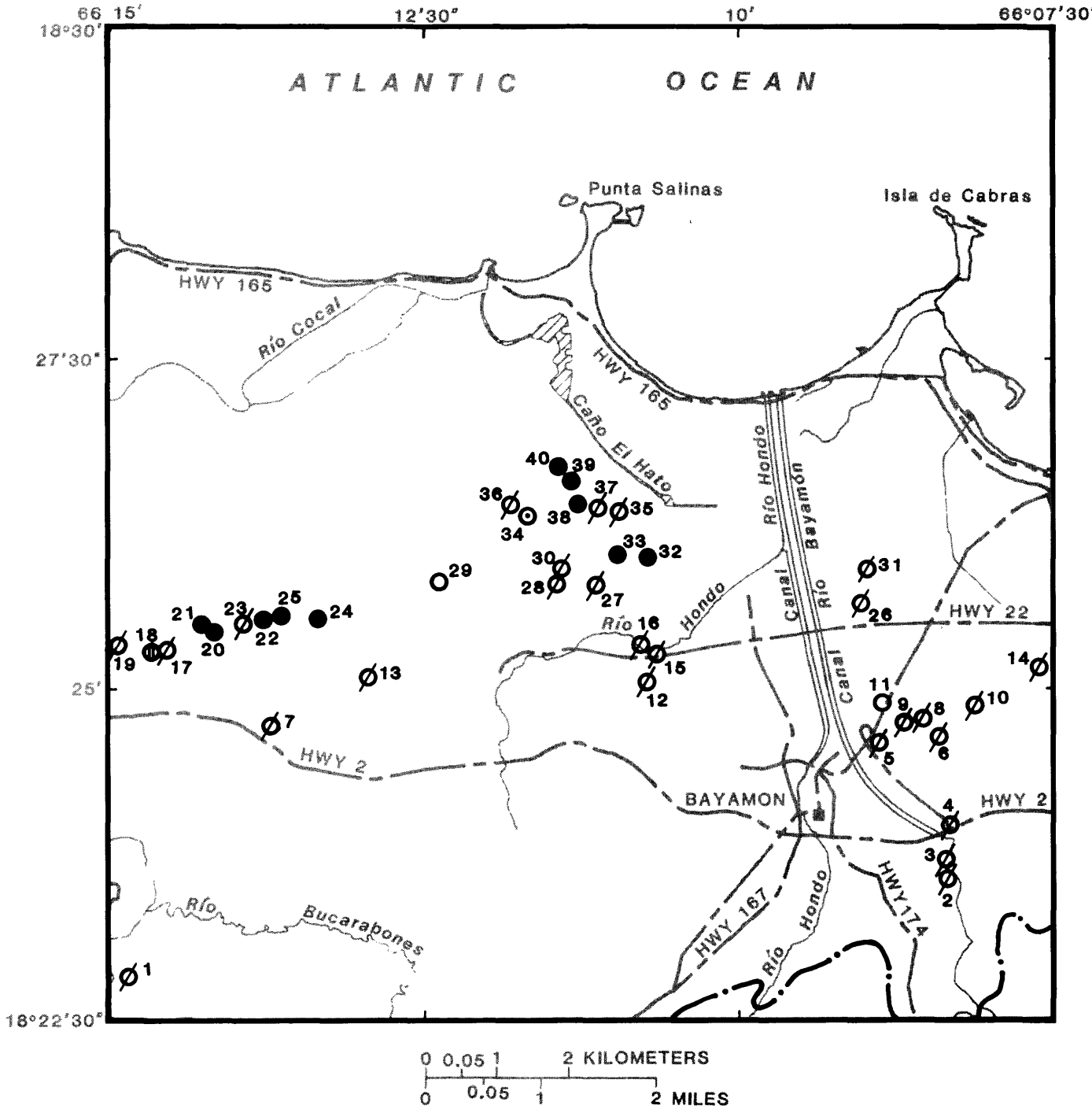
Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
1B2235066334300	110B77	---	---	---	---	---	---	---	---	---	---	---	---
1B2239066313001	100677	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
1B2255066324200	080960	---	---	---	---	---	---	---	---	---	---	---	---
1B2305066334700	11167B	---	0	0	---	---	---	---	---	---	---	1.0	0
182322066314300	122176	---	---	---	---	---	---	---	---	---	---	---	---
	07077B	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	D.D	0
182332066360700	0B0960	---	---	---	---	---	---	---	---	---	---	---	---
	030261	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	1.5	0
182357066361100	022B69	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	30	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	0
1B2420066360300	070178	---	30	---	---	---	---	0.0	---	---	---	---	---
	121179	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.9	0
	0323B4	<3.0	<10	---	<10	180	<6.0	---	<10	10	<1	<0.1	---
182442066343800	122269	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	0910B0	---	---	0	---	---	---	---	---	---	---	0.3	0
1B2443D66343900	080960	---	---	---	---	---	---	---	---	---	---	---	---
1B2445066352700	080960	---	---	---	---	---	---	---	---	---	---	---	---
182503066350100	071080	---	---	---	---	---	---	---	---	---	---	---	---
182512066365600	100482	---	---	---	---	---	---	---	---	---	---	---	---
1B2537066331500	050167	---	---	---	---	---	---	---	---	---	---	---	---
182543066313900	030261	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	0901B2	---	---	---	---	---	---	---	---	---	---	---	---
	110182	<3.0	<10	<10	<10	110	9.0	<4.0	<10	<4.0	<1	0.1	---
182543066341500	072386	<3.00	<10.0	<10.0	<10.0	170	<6.00	7.00	<10.0	<4.00	<1.D0	<0.100	---
	072386	<3.00	<10.0	<10.0	<10.0	350	<6.00	<3.00	<10.0	<4.00	1.00	---	---
	0725B6	<3.00	<10.0	<10.0	<10.0	1300	<6.00	<3.00	<10.0	<4.00	<1.00	---	---
	072886	<3.00	<10.0	10.0	<10.0	500	<6.00	6.00	<10.0	<4.00	<1.00	---	---
	072986	<3.00	<10.0	10.0	<10.0	2200	<6.00	<3.00	10.0	<7.00	<1.00	---	---
	0B19B6	<3.00	<10.0	<10.0	<10.0	1299	<6.00	6.00	<10.0	12.0	<1.00	---	---
1B2547066332600	0602B0	---	---	---	---	---	---	---	---	---	---	---	---
182548066300200	0910B0	---	0	0	---	---	---	---	---	---	---	0.0	0
	0706B1	---	---	---	---	---	---	---	---	---	---	---	---
182549066300200	031559	---	---	---	---	---	---	---	---	---	---	---	---
	091080	---	28	0	---	---	---	---	---	---	---	0.0	0
	0113B2	---	---	---	---	---	---	---	---	---	---	---	---
1B2552066332700	060280	---	---	---	---	---	---	---	---	---	---	---	---
182555066340200	052758	---	---	---	---	---	---	---	---	---	---	---	---
	051172	---	---	---	---	---	---	---	---	---	---	---	---
	060178	---	40	---	---	---	---	50	---	---	---	---	---
	0901B0	---	0	0	---	---	---	---	---	---	---	0.2	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	0901B2	---	---	---	---	---	---	---	---	---	---	---	---
	032084	<3.0	<10	<10	<10	---	6.0	10	<10	4.0	---	<0.1	---
1B2603066333600	011165	---	---	---	---	---	---	---	---	---	---	---	---
	060166	---	---	---	---	---	---	---	---	---	---	---	---
	050867	---	---	---	---	---	---	---	---	---	---	---	---
	011768	---	---	---	---	---	---	---	---	---	---	---	---
	060178	---	10	---	---	---	---	40	---	---	---	---	---
	100980	---	0	0	---	---	---	---	---	---	---	0.9	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	0901B2	---	---	---	---	---	---	---	---	---	---	---	---
182603066341B00	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182604066340200	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	07016B	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
	070168	---	---	---	---	---	---	---	---	---	---	---	---
182605066344400	012287	<3.00	<10.0	<10.0	<10.0	50.0	<6.00	<3.00	<10.0	B.00	<1.00	<0.100	---
	012287	<9.00	<30.0	<30.0	<30.0	830	1B.0	<9.00	<10.0	34.0	<1.00	<0.100	---
	012387	---	---	---	---	---	---	---	80.0	---	2.00	<0.100	---
	012387	---	---	---	---	---	---	---	20.0	---	3.00	3.50	---
	012387	---	---	---	---	---	---	---	20.0	---	2.00	<0.100	---
	012687	<3.00	<10.0	<10.0	<10.0	760	<6.00	9.00	6.00	9.00	1.00	0.200	---
	012687	<3.00	<10.0	<10.0	<10.0	1300	<6.00	6.00	9.00	5.00	<1.00	<0.100	---
	012687	<3.00	<10.0	<10.0	<10.0	690	<6.00	<3.00	8.00	B.00	1.00	0.100	---
	012787	<3.00	<10.0	<10.0	<10.0	230	<6.00	<3.00	6.00	B.00	<1.00	0.900	---
	0128B7	<3.00	<10.0	<10.0	<10.0	660	<6.00	7.00	6.00	B.00	1.00	<0.100	---
	012B87	<3.00	<10.0	<10.0	<10.0	800	<6.00	<3.00	4.00	B.00	1.00	<0.100	---
182607066355800	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182617066322000	D40256	---	---	---	---	---	---	---	---	---	---	---	---

Table 3B. Well completion and water-quality data for selected wells and springs in the Barceloneta quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182619066321900	041756	---	---	---	---	---	---	---	---	---	---	---	---
182627066345D00	062978	---	---	---	---	---	---	---	---	---	---	---	---
	091080	---	12	0	---	---	---	---	---	---	---	0.3	0
	070681	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182641066345600	032384	<3.0	<10	<10	<10	270	<6.0	220	<10	10	---	<0.1	---
182647066330800	030359	---	---	---	---	---	---	---	---	---	---	---	---
	110769	---	---	---	---	---	---	---	---	---	---	---	---
	061570	---	---	---	---	---	---	---	---	---	---	---	---
	030873	---	---	---	---	---	---	---	---	---	---	---	---
	060178	---	30	---	---	---	---	80	---	---	---	---	---
	091080	---	21	0	---	---	---	---	---	---	---	0.5	0
182710066303700	031678	---	---	---	---	---	---	---	---	---	---	---	---
	050979	---	---	---	---	---	---	---	---	---	---	---	---
182712066322100	013063	---	---	---	---	---	---	---	---	---	---	---	---
182720066303800	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182723066322800	091570	---	---	---	---	---	---	---	---	---	---	---	---
182723066323000	092570	---	---	---	---	---	---	---	---	---	---	---	---
182723066362800	012065	---	---	---	---	---	---	---	---	---	---	---	---
	051380	---	---	---	---	---	---	---	---	---	---	---	---
182735066355800	051380	---	---	2	---	---	---	---	---	---	---	1.5	0
	032384	<3.0	<10	---	<10	---	<6.0	---	<10	6.0	1	0.1	---
182735066362500	101780	---	---	---	---	---	---	---	---	---	---	---	---
182825066355300	110182	<3.0	<10	<10	<10	860	<6.0	<4.0	10	20	<1	0.3	---
182926066372700	031573	---	---	---	---	---	---	---	---	---	---	---	---
182932066372200	031573	---	---	---	---	---	---	---	---	---	---	---	---

* DEPTH AT WHICH SAMPLE WAS COLLECTED.



EXPLANATION

- ●24 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- O11 WELL USED FOR INDUSTRIAL-WATER SUPPLY
- ⊙34 PRIVATE-WATER SUPPLY WELL
- ◍18 TEST HOLE
- Ø1 ABANDONED WELL
- —·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 4A.

Figure 4.--Location of selected wells and springs in the Bayamón quadrangle.

Table 4A. Identification of selected wells and springs in the Bayamón quadrangle.

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182248066145000
2	PRASA BAY-6	182335066082000
3	SANTA ROSA-1	182342066082000
4	UNKNOWN	182357066082000
5	BUCHANAN-2	182436066085500
6	BUCHANAN-1	182441066082600
7	PENNOCK'S GARDEN	182442066134200
8	BUCHANAN-3	182445066083400
9	BUCHANAN-4	182445066083800
10	BUCHANAN-7	182453066080800
11	UNKNOWN	182454066085200
12	RIO PLANTATION-3	182503066104200
13	CANDELARIA	182505066125700
14	BUCHANAN-8	182509066073400
15	RIO PLANTATION-1	182517066103900
16	RIO PLANTATION-2	182518066104400
17	CAMPANILLA-3	182518066143800
18	CAMPANILLA	182518066144200
19	CAMPANILLA-5	182520066145600
20	CAMPANILLA-1	182526066140800
21	CAMPANILLA-2	182526066141200
22	CAMPANILLA-6	182530066134800
23	POZO NAVY	182530066135400
24	EXPLOSIVO	182531066132000
25	CAMPANILLA-7	182532066134100
26	UNKNOWN	182540066090300
27	SABANA SECA-1	182547066110800
28	USN-2	182547066112700
29	UNKNOWN	182548066122300
30	USN-1	182552066112600
31	CT-11	182554066085900
32	LEVITTOWN-4	182601066104300
33	LEVITTOWN-5	182601066105700
34	UNKNOWN	182618066114100
35	LEVITTOWN-6	182620066110200
36	UNKNOWN	182622066114700
37	UNKNOWN	182623066111000
38	LEVITTOWN-8	182627066111600
39	LEVITTOWN-9	182636066112000
40	LEVITTOWN-10	182640066112300

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182248066145000	010363	215	115-215	Mucarabones	USGS	985	7.8	---	---	---	---	---
1823350660B2000	031264	118	---	Alluvial	USGS	603	7.3	26.0	110	---	21	13
	031264				USGS	604	7.2	26.0	100	---	21	12
	031364				USGS	564	7.4	26.5	88	---	17	11
	031364				USGS	566	7.2	26.0	86	---	18	10
	031464				USGS	557	7.2	26.0	96	---	17	13
182342066082200D	031364	118	70-118	Alluvial	PRASA	---	7.4	---	150	0	17	9.0
182357066082000	050658	300	---	Alluvial	USGS	---	8.4	---	110	---	20	15
182436066085500	050850	340	145-340	San Sebastian	USGS	616	7.0	---	300	---	110	5.9
	022852				USGS	599	7.1	26.0	300	---	110	8.1
182441066082600	050850	270	240-270	San Sebastian	USGS	542	6.9	---	250	---	85	8.0
	031051				USGS	521	7.3	25.5	240	---	80	10
	022852				USGS	530	6.8	26.5	240	---	81	9.2
182442066134200	050261	60	40-60	Cibao	USGS	401	8.7	25.5	190	---	70	2.8
182445066083400	050850	712	504-712	Cibao	USGS	575	7.0	---	260	---	88	9.7
	031651				USGS	582	7.3	25.5	280	---	91	12
	022852				USGS	572	7.3	26.5	250	---	84	11
182445066083800	050850	175	130-175	San Sebastian	USGS	614	6.9	---	280	---	92	12
	031651				USGS	645	7.3	25.5	310	---	100	14
	022852				USGS	632	7.0	26.5	290	---	92	14
	031653				USGS	614	7.3	25.5	270	---	90	12
182453066080800	050850	200	13-200	Cibao/	USGS	656	7.2	---	390	---	82	20
	031651			San Sebastian	USGS	663	7.5	25.0	290	---	88	17
	022852				USGS	662	7.1	26.0	290	---	86	18
182454066085200	040265	90	45-90	Alluvial	USGS	531	7.3	26.5	240	---	69	16
182503066104200	032576	185	135-185	Cibao	PRASA	---	8.3	---	120	---	38	13
182505066125700	042076	200	115-200	Cibao	PRASA	---	7.4	---	190	16	74	5.6
182509066073400	050850	150	38-150	Aguada/Cibao	USGS	647	7.1	---	290	---	92	14
	031651				USGS	1410	7.6	25.0	400	---	120	26
	022852				USGS	1000	7.1	26.5	340	---	110	20
	031653				USGS	701	7.3	25.5	300	---	96	15
	030554				USGS	684	7.3	26.0	300	---	96	15
	032555				USGS	653	7.5	27.0	290	---	96	13
182517066103900	121367	173	73-173	Aguada/Cibao	PRASA	---	7.6	---	280	---	---	---
	031378				PRASA	---	7.4	---	220	---	98	6.0
182518066104400	050272	145	95-145	Aguada	PRASA	473	7.6	---	200	8	76	3.8
	032576				PRASA	---	8.0	---	200	---	77	7.7
182518066143800	030564	---	---	---	PRASA	---	6.4	---	50	---	10	10
	021280				PRASA	---	7.2	---	230	250	140	33
	020183				PRASA	---	7.0	---	260	---	95	28
182518066144200	110458	300	---	Alluvial/Aymamon	USGS	---	7.1	---	310	---	97	15
	030364				USGS	245	6.2	---	200	---	8.0	8.8
	030464				USGS	257	6.7	26.0	190	---	8.8	8.8
	030464				USGS	257	6.6	26.0	190	---	8.8	9.8
	030564				USGS	271	6.7	26.0	190	---	10	8.8
	031264				USGS	603	7.3	26.0	110	---	21	13
	031264				USGS	604	7.2	26.0	100	---	21	12
	031364				USGS	564	7.4	26.5	88	---	17	11
	031364				USGS	566	7.2	26.0	86	---	18	10
	031464				USGS	557	7.2	26.0	96	---	17	13
	021665				USGS	476	8.1	---	210	---	52	19
	061566				USGS	1120	8.0	27.7	430	---	140	18
	060667				USGS	1480	7.2	24.5	480	---	150	27
	081076				PRASA	---	7.2	---	110	16	75	5.1
	090181				USGS	1220	7.3	26.0	---	---	99	26
	090182				USGS	1080	6.7	25.5	---	---	96	28
182520066145600	052764	165	65-165	Alluvial/Aymamon	PRASA	---	7.1	---	260	0	53	29
	073164				PRASA	---	7.0	---	260	22	89	15
	021280				PRASA	---	7.0	---	340	65	140	14
182526066140800	062664	155	66-155	Alluvial/Aymamon	PRASA	---	7.4	---	190	---	65	6.0
	021280				PRASA	---	7.3	---	190	370	170	32
	020183				PRASA	---	6.8	---	---	---	160	34
182526066141200	061964	160	70-160	Alluvial/Aymamon	PRASA	---	7.3	---	180	0	66	8.0
	020174				PRASA	---	7.5	---	170	---	140	77
182530066134800	020266	150	70-150	Alluvial/Aymamon	PRASA	---	7.6	---	110	28	69	9.0
	021280				PRASA	---	7.4	---	200	54	90	6.4
	020183				PRASA	---	7.0	---	---	---	73	5.0
182530066135400	081076	140	105-140	Aymamon	PRASA	---	7.2	---	---	---	---	---
182531066132000	101876	155	60-155	Aymamon	PRASA	---	7.3	---	170	29	67	7.7
	021280				PRASA	---	7.3	---	220	0	84	0.7
	020183				PRASA	---	7.1	---	---	---	84	7.0
182532066134100	030366	140	36-140	Alluvial/Aymamon	PRASA	---	7.4	---	190	14	68	8.0
	021280				PRASA	---	7.3	---	210	23	82	6.7
	020183				PRASA	---	7.2	---	210	---	76	10
182540066090300	040265	175	---	Alluvial/Aymamon	USGS	1010	7.5	26.5	340	---	84	32
182547066110800	100160	150	50-150	Alluvial/Aymamon	USGS	---	7.7	---	210	---	73	7.0
	021665				USGS	496	7.7	24.5	240	---	80	11
	050267				USGS	505	7.8	25.5	240	---	68	17
	111167				USGS	510	8.0	26.0	230	---	83	6.1
	020268				USGS	475	7.8	26.0	210	---	74	6.7
	021280				PRASA	---	7.7	---	180	0	64	0.9
	020183				PRASA	---	6.1	---	---	---	41	8.0

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182547066112700	120953	156	---	Alluvial/Aymamon	USGS	---	7.3	---	150	---	52	5.4
	122153				USGS	---	7.3	---	200	---	190	14
	062657				USGS	300	7.3	---	210	---	84	1.0
182548066122300	090181	150	10-150	Alluvial/Aymamon	USGS	464	7.0	25.5	---	---	98	4.7
	090182				USGS	490	6.6	25.5	---	---	100	5.2
182552066112600	120953	156	---	Alluvial/Aymamon	USGS	---	7.2	---	160	---	52	7.2
	122153				USGS	---	7.3	---	210	---	190	18
	062657				USGS	300	7.3	---	210	---	84	<1.0
	090159				USGS	340	7.3	---	210	---	82	<1.0
182554066085900	040265	148	40-144	Alluvial/Aymamon	USGS	416	7.8	26.5	110	---	26	10
182601066104300	021880	110	40-110	Alluvial/Aymamon	PRASA	---	7.7	---	230	34	100	1.5
	020183				PRASA	---	7.0	---	230	---	98	7.0
182601066105700	021880	---	---		PRASA	---	7.6	---	220	30	75	16
182618066114100	040963	150	50-150	Alluvial/Aymamon	USGS	448	8.1	---	170	---	65	1.0
182620066110200	021280	---	---		PRASA	---	7.4	---	200	---	90	6.0
182622066114700	040963	48	---	Alluvial/Aymamon	USGS	414	7.7	---	160	---	61	1.0
182623066111000	031378	---	---		PRASA	---	7.3	---	180	---	87	11
182627066111600	021280	---	---		PRASA	---	7.3	---	220	---	84	1.0
182636066112000	012275	---	---		PRASA	---	7.4	---	160	---	110	21
182640066112300	052273	---	---		PRASA	---	7.2	---	110	---	52	31

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182248066145000	010363	---	---	---	220	---	---	120	---	14	---	---
182335066082000	031264	---	95	---	220	---	30	72	0.2	42	---	---
	031264	---	96	---	220	---	28	72	0.4	42	---	---
	031364	---	96	---	220	---	32	56	0.2	42	---	---
	031364	---	97	---	230	---	33	54	0.5	42	---	---
	031464	---	91	---	230	---	33	52	0.3	43	---	---
182342066082000	031364	67	---	---	170	---	12	58	0.1	58	357	---
182357066082000	050658	---	760	---	270	---	110	1010	---	19	---	---
182436066085500	050850	---	11	---	360	---	6.3	20	0.0	17	---	---
	022852	---	12	---	350	---	5.4	19	0.0	16	---	---
182441066082600	050850	---	18	---	300	---	11	20	0.0	36	---	---
	031051	---	17	---	290	---	11	21	0.0	39	---	---
	022852	---	17	---	290	---	9.4	21	0.1	34	---	---
182442066134200	050261	---	51	---	280	---	13	22	0.0	4.0	---	---
182445066083400	050850	---	20	---	320	---	7.3	21	0.0	37	---	---
	031651	---	16	---	330	---	8.8	22	0.0	38	---	---
	022852	---	19	---	310	---	8.8	20	0.0	35	---	---
182445066083800	050850	---	21	---	320	---	14	31	0.0	37	---	---
	031651	---	18	---	360	---	14	32	0.0	40	---	---
	022852	---	20	---	340	---	11	31	0.1	37	---	---
	031653	---	24	---	340	---	12	25	0.0	38	---	---
182453066080800	050850	---	33	---	380	---	18	20	0.0	37	---	---
	031651	---	37	---	390	---	15	24	0.0	39	---	---
	022852	---	32	---	380	---	15	23	0.1	36	---	---
182454066085200	040265	---	23	---	310	---	0.8	22	0.1	29	---	---
182503066104200	032576	21	---	---	---	---	30	31	0.0	23	241	---
182505066125700	042076	12	---	---	230	---	4.0	21	0.0	10	294	---
182509066073400	050850	---	23	---	310	---	17	39	0.0	20	---	---
	031651	---	34	---	320	---	44	260	0.0	22	---	---
	022852	---	70	---	320	---	29	140	0.1	20	---	---
	031653	---	29	---	330	---	18	50	0.0	24	---	---
	030554	---	24	---	320	---	17	46	0.1	20	---	---
	032555	---	22	---	330	---	16	32	0.1	26	---	---
182517066103900	121367	---	---	---	---	---	27	27	---	---	338	---
	031378	33	---	---	---	---	10	68	0.0	6.0	374	---
182518066104400	050272	13	---	---	240	---	1.0	29	0.0	11	287	---
	032576	43	---	---	---	---	6.0	79	0.0	11	398	---
182518066143800	030564	20	---	---	61	---	3.0	38	0.1	88	270	---
	021280	150	---	1	290	---	29	390	0.0	38	1110	---
	020183	75	---	2	---	---	19	170	0.1	37	678	---
182518066144200	110458	---	3	---	320	---	9.4	25	0.7	7.1	---	---
	030364	---	---	---	48	---	---	42	0.0	58	---	---
	030464	---	---	---	68	---	---	38	0.1	60	---	---
	030464	---	---	---	76	---	---	37	0.1	60	---	---
	030564	---	---	---	90	---	---	35	0.1	56	---	---
	031264	---	---	---	220	---	---	72	0.2	42	---	---
	031264	---	---	---	220	---	---	72	0.4	42	---	---
	031364	---	---	---	220	---	---	56	0.2	42	---	---
	031364	---	---	---	230	---	---	54	0.5	42	---	---
	031464	---	---	---	230	---	---	52	0.3	43	---	---
	021665	---	20	---	260	---	3.6	24	0.3	38	---	---
	061566	---	52	---	270	---	14	220	0.8	9.2	---	---
	060667	---	110	---	220	---	28	350	0.1	9.2	---	---
	081076	12	---	---	240	---	3.0	22	0.0	14	271	---
	090181	99	---	1	240	---	18	240	0.1	30	---	---
	090182	86	---	1	230	---	19	170	0.2	30	---	---
182520066145600	052764	19	---	---	320	---	4.0	18	15	50	379	---
	073164	9.0	---	---	320	---	7.0	23	0.0	21	333	---
	021280	81	---	2	410	---	21	160	0.0	16	729	---
182526066140800	062664	---	12	---	210	---	4.0	20	0.0	14	270	---
	021280	210	---	3	230	---	39	570	0.0	11	1560	---
	020183	230	---	3	190	---	39	580	0.0	12	149	---
182526066141200	061964	8.0	---	---	220	---	2.0	23	0.1	14	256	---
	020174	270	---	---	---	---	43	730	0.0	10	218	---
182530066134800	020266	2.0	---	---	220	---	5.5	18	0.0	14	295	---
	021280	28	---	1	240	---	5.0	75	0.0	12	414	---
	020183	70	---	2	200	---	6.0	100	0.0	14	459	---
182530066135400	081076	---	---	---	---	---	---	---	---	---	---	---
182531066132000	101876	1.8	---	---	210	---	4.0	17	0.0	5.6	256	---
	021280	23	---	1	260	---	4.0	27	0.0	10	343	---
	020183	13	---	1	210	---	4.0	32	0.0	9.0	324	---
182532066134100	030366	12	---	---	230	---	5.0	20	0.0	21	367	---
	021280	12	---	1	260	---	3.5	28	0.0	11	321	---
	020183	14	---	1	---	---	8.0	29	0.0	10	298	---
182540066090300	040265	---	97	---	350	---	35	160	0.3	39	---	---

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182547066110800	100160	---	23	---	260	---	5.0	31	0.0	10	---	---
	021665	---	5	---	260	---	3.2	24	0.2	10	---	---
	050267	---	10	---	260	---	6.4	26	0.0	10	---	---
	111167	---	15	---	270	---	4.8	27	0.3	10	---	---
	020268	---	17	---	240	---	12	26	0.1	10	---	---
	021280	39	---	2	220	---	16	36	0.2	13	299	---
	020183	18	---	2	120	---	23	26	0.5	20	282	---
182547066112700	120953	---	44	---	240	---	12	28	0.0	21	---	---
	122153	---	26	---	190	---	4.0	28	---	9.2	---	---
	062657	---	6	---	220	---	4.0	25	0.2	5.0	---	---
182548066122300	090181	17	---	1	240	---	7.5	28	0.1	6.7	---	---
	090182	12	---	1	260	---	7.0	23	0.1	26	---	---
182552066112600	120953	---	34	---	220	---	14	28	0.0	20	---	---
	122153	---	28	---	190	---	4.0	29	---	9.6	---	---
	062657	---	6	---	220	---	4.0	25	0.2	5.0	---	---
	090159	---	45	---	250	---	4.0	16	0.5	6.0	---	---
182554066085900	040265	---	49	---	200	---	0.8	33	0.1	3.5	---	---
182601066104300	021880	36	---	2	280	---	5.5	73	0.0	23	447	---
	020183	39	---	2	230	---	21	76	0.0	11	472	---
182601066105700	021880	22	---	2	270	---	5.0	49	0.0	8.0	380	---
182618066114100	040963	---	25	---	210	---	1.2	30	0.0	8.9	---	---
182620066110200	021280	27	---	1	---	---	5.0	75	0.0	12	414	---
182622066114700	040963	---	27	---	220	---	2.0	2.2	0.1	8.5	---	---
182623066111000	031378	72	---	---	---	---	16	160	0.0	9.0	497	---
182627066111600	021280	23	---	0.9	---	---	4.0	27	0.0	10	343	---
182636066112000	012275	140	---	---	---	---	32	340	0.1	9.0	102	---
182640066112300	052273	96	---	---	---	---	74	200	0.0	13	616	---

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG.)	NITROGEN DISSOLVED AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182248066145000	010363	---	---	---	---	---	---	---	---	---	---	---	---
182335066082000	031264	0.00	---	---	---	---	---	---	---	---	---	---	---
	031264	1.5	---	---	---	---	---	---	---	---	---	---	---
	031364	0.10	---	---	---	---	---	---	---	---	---	---	---
	031364	0.20	---	---	---	---	---	---	---	---	---	---	---
	031464	0.10	---	---	---	---	---	---	---	---	---	---	---
182342066082000	031364	0.13	---	0.00	---	---	---	---	---	0.30	30	100	0
182357066082000	050658	0.00	---	---	---	---	---	---	---	---	---	---	---
182436066085500	050850	2.0	---	---	---	---	---	---	---	---	---	---	---
	022852	2.5	---	---	---	---	---	---	---	---	---	---	---
182441066082600	050850	2.5	---	---	---	---	---	---	---	---	---	---	---
	031051	2.0	---	---	---	---	---	---	---	---	---	---	---
	022852	2.5	---	---	---	---	---	---	---	---	---	---	---
182442066134200	050261	28	---	---	---	---	---	---	---	---	---	---	---
182445066083400	050850	4.2	---	---	---	---	---	---	---	---	---	---	---
	031651	2.5	---	---	---	---	---	---	---	---	---	---	---
	022852	4.5	---	---	---	---	---	---	---	---	---	---	---
182445066083800	050850	2.5	---	---	---	---	---	---	---	---	---	---	---
	031651	2.2	---	---	---	---	---	---	---	---	---	---	---
	022852	2.0	---	---	---	---	---	---	---	---	---	---	---
	031653	4.0	---	---	---	---	---	---	---	---	---	---	---
182453066080800	050850	0.00	---	---	---	---	---	---	---	---	---	---	---
	031651	0.20	---	---	---	---	---	---	---	---	---	---	---
	022852	0.20	---	---	---	---	---	---	---	---	---	---	---
182454066085200	040265	4.6	---	---	---	---	---	---	---	---	---	---	---
182503066104200	032576	0.70	---	---	---	---	---	---	---	---	---	0.0	0
182505066125700	042076	11	---	0.00	---	---	---	---	---	0.00	0.0	100	0
182509066073400	050850	10	---	---	---	---	---	---	---	---	---	---	---
	031651	7.4	---	---	---	---	---	---	---	---	---	---	---
	022852	5.0	---	---	---	---	---	---	---	---	---	---	---
	031653	9.2	---	---	---	---	---	---	---	---	---	---	---
	030554	7.5	---	---	---	---	---	---	---	---	---	---	---
	032555	7.5	---	---	---	---	---	---	---	---	---	---	---
182517066103900	121367	---	---	---	---	---	---	---	---	---	---	400	0
	031378	10	---	---	---	---	---	---	---	---	---	50	0
182518066104400	050272	0.10	---	0.00	---	---	---	---	---	0.00	0.0	70	0
	032576	4.8	---	---	---	---	---	---	---	---	---	0.0	0
182518066143800	030564	5.0	---	0.00	---	---	---	---	---	0.35	0.0	50	0
	021280	1.7	---	0.00	---	---	---	---	---	0.29	---	60	14
	020183	1.2	---	---	---	---	---	---	---	---	---	150	0
182518066144200	110458	1.8	---	---	---	---	---	---	---	---	---	---	---
	030364	9.2	---	---	---	---	---	---	---	---	---	---	---
	030464	9.1	---	---	---	---	---	---	---	---	---	---	---
	030464	8.0	---	---	---	---	---	---	---	---	---	---	---
	030564	8.2	---	---	---	---	---	---	---	---	---	---	---
	031264	0.00	---	---	---	---	---	---	---	---	---	---	---
	031264	1.5	---	---	---	---	---	---	---	---	---	---	---
	031364	0.10	---	---	---	---	---	---	---	---	---	---	---
	031364	0.20	---	---	---	---	---	---	---	---	---	---	---
	031464	0.10	---	---	---	---	---	---	---	---	---	---	---
	021665	3.9	---	---	---	---	---	---	---	---	---	---	---
	061566	3.2	---	---	---	---	---	---	---	---	---	---	---
	060667	6.2	---	---	---	---	---	---	---	---	---	---	---
	081076	8.7	---	0.00	---	---	---	---	---	0.30	---	1100	0
	090181	---	---	---	1.8	---	---	---	---	---	---	30	<10
	090182	---	---	---	2.1	---	---	---	---	0.13	---	7.0	<1
182520066145600	052764	0.26	---	0.00	---	---	---	---	---	0.50	50	150	0
	073164	1.0	---	0.00	---	---	---	---	---	0.10	0.0	20	0
	021280	0.94	---	0.00	---	---	---	---	---	0.07	---	580	35
182526066140800	062664	7.0	---	---	---	---	---	---	---	---	---	---	---
	021280	1.9	---	0.00	---	---	---	---	---	0.00	---	50	58
	020183	1.3	---	---	---	---	---	---	---	---	---	0.0	0
182526066141200	061964	3.0	---	0.00	---	---	---	---	---	5.0	0.0	3000	0
	020174	6.0	---	---	---	---	---	---	---	---	---	0.0	0
182530066134800	020266	1.1	---	0.00	---	---	---	---	---	0.00	100	100	0
	021280	2.2	---	0.00	---	---	---	---	---	0.01	---	670	14
	020183	1.6	---	---	---	---	---	---	---	---	---	0.0	0
182530066135400	081076	---	---	---	---	---	---	---	---	---	---	1100	0
182531066132000	101876	6.0	---	0.01	---	---	---	---	---	0.08	---	340	0
	021280	2.3	---	0.00	---	---	---	---	---	0.03	---	40	15
	020183	2.4	---	---	---	---	---	---	---	---	---	150	0
182532066134100	030366	8.1	---	0.00	---	---	---	---	---	0.01	0.0	50	0
	021280	2.2	---	0.00	---	---	---	---	---	0.04	---	60	9
	020183	2.4	---	---	---	---	---	---	---	---	---	0.0	0
182540066090300	040265	0.10	---	---	---	---	---	---	---	---	---	---	---

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG.)	NITROGEN DISSOLVED AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182547066110800	100160	3.4	---	---	---	---	---	---	---	---	---	---	---
	021665	6.4	---	---	---	---	---	---	---	---	---	---	---
	050267	8.0	---	---	---	---	---	---	---	---	---	---	---
	111167	8.5	---	---	---	---	---	---	---	---	---	---	---
	020268	8.3	---	---	---	---	---	---	---	---	---	---	---
	021280	1.9	---	0.00	---	---	---	---	---	0.00	---	180	20
	020183	0.00	---	---	---	---	---	---	---	---	---	120	0
182547066112700	120953	0.00	---	---	---	---	---	---	---	---	---	---	---
	122153	12	---	---	---	---	---	---	---	---	---	---	---
	062657	4.0	---	---	---	---	---	---	---	---	---	---	---
182548066122300	090181	---	---	---	1.4	---	---	---	---	---	---	8.0	1
	090182	---	---	---	1.5	---	---	---	---	0.00	---	9.0	3
182552066112600	120953	0.00	---	---	---	---	---	---	---	---	---	---	---
	122153	12	---	---	---	---	---	---	---	---	---	---	---
	062657	4.0	---	---	---	---	---	---	---	---	---	---	---
	090159	7.0	---	---	---	---	---	---	---	---	---	---	---
182554066085900	040265	0.60	---	---	---	---	---	---	---	---	---	---	---
182601066104300	021880	1.8	---	0.00	---	---	---	---	---	0.04	---	150	10
	020183	1.5	---	---	---	---	---	---	---	---	---	110	0
182601066105700	021880	1.8	---	0.00	---	---	---	---	---	0.00	---	40	8
182618066114100	040963	4.2	---	---	---	---	---	---	---	---	---	---	---
182620066110200	021280	2.2	---	---	---	---	---	---	---	---	---	0.0	10
182622066114700	040963	0.00	---	---	---	---	---	---	---	---	---	---	---
182623066111000	031378	9.5	---	---	---	---	---	---	---	---	---	0.0	0
182627066111600	021280	2.3	---	---	---	---	---	---	---	---	---	0.0	10
182636066112000	012275	3.0	---	---	---	---	---	---	---	---	---	0.0	0
182640066112300	052273	4.6	---	---	---	---	---	---	---	---	---	0.0	0

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182248066145000	010363	---	---	---	---	---	---	---	---	---	---	---	---
182335066082000	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031464	---	---	---	---	---	---	---	---	---	---	---	---
182342066082000	031364	19	---	---	---	---	---	---	---	---	---	---	---
182357066082000	050658	---	---	---	---	---	---	---	---	---	---	---	---
182436066085500	050850	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182441066082600	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031051	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182442066134200	050261	---	---	---	---	---	---	---	---	---	---	---	---
182445066083400	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182445066083800	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
	031653	---	---	---	---	---	---	---	---	---	---	---	---
182453066080800	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182454066085200	040265	---	---	---	---	---	---	---	---	---	---	---	---
182503066104200	032576	---	---	---	---	---	---	---	---	---	---	---	---
182505066125700	042076	20	---	---	---	---	---	---	---	---	---	---	---
182509066073400	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
	031653	---	---	---	---	---	---	---	---	---	---	---	---
	030554	---	---	---	---	---	---	---	---	---	---	---	---
	032555	---	---	---	---	---	---	---	---	---	---	---	---
182517066103900	121367	---	---	---	---	---	---	---	---	---	---	---	---
	031378	---	---	---	---	---	---	---	---	---	---	---	---
182518066104400	050272	10	---	---	---	---	---	---	---	---	---	---	---
	032576	---	---	---	---	---	---	---	---	---	---	---	---
182518066143800	030564	30	---	---	---	---	---	---	---	---	---	---	---
	021280	29	---	---	---	---	---	---	---	0	10	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182518066144200	110458	---	---	---	---	---	---	---	---	---	---	---	---
	030364	---	---	---	---	---	---	---	---	---	---	---	---
	030464	---	---	---	---	---	---	---	---	---	---	---	---
	030464	---	---	---	---	---	---	---	---	---	---	---	---
	030564	---	---	---	---	---	---	---	---	---	---	---	---
	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031464	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	061566	---	---	---	---	---	---	---	---	---	---	---	---
	060667	---	---	---	---	---	---	---	---	---	---	---	---
	081076	30	---	---	---	---	---	---	---	---	---	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182520066145600	052764	4.2	---	---	---	---	---	---	---	---	---	---	---
	073164	54	---	---	---	---	---	---	---	---	---	---	---
	021280	66	---	---	---	---	---	---	---	0	0	---	---
182526066140800	062664	---	---	---	---	---	---	---	---	---	---	---	---
	021280	18	---	---	---	---	---	---	---	0	<10	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182526066141200	061964	17	---	---	---	---	---	---	---	---	---	---	---
	020174	---	---	---	---	---	---	---	---	---	---	---	---
182530066134800	020266	14	---	---	---	---	---	---	---	---	---	---	---
	021280	15	---	---	---	---	---	---	---	0	0	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182530066135400	081076	---	---	---	---	---	---	---	---	---	---	---	---
182531066132000	101876	23	---	---	---	---	---	---	---	---	---	---	---
	021280	21	---	---	---	---	---	---	---	0	<10	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182532066134100	030366	15	---	---	---	---	---	---	---	---	---	---	---
	021280	21	---	---	---	---	---	---	---	0	0	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182540066090300	040265	---	---	---	---	---	---	---	---	---	---	---	---
182547066110800	100160	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	050267	---	---	---	---	---	---	---	---	---	---	---	---
	111167	---	---	---	---	---	---	---	---	---	---	---	---
	020268	---	---	---	---	---	---	---	---	---	---	---	---
	021280	7.2	---	---	---	---	---	---	---	0	0	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

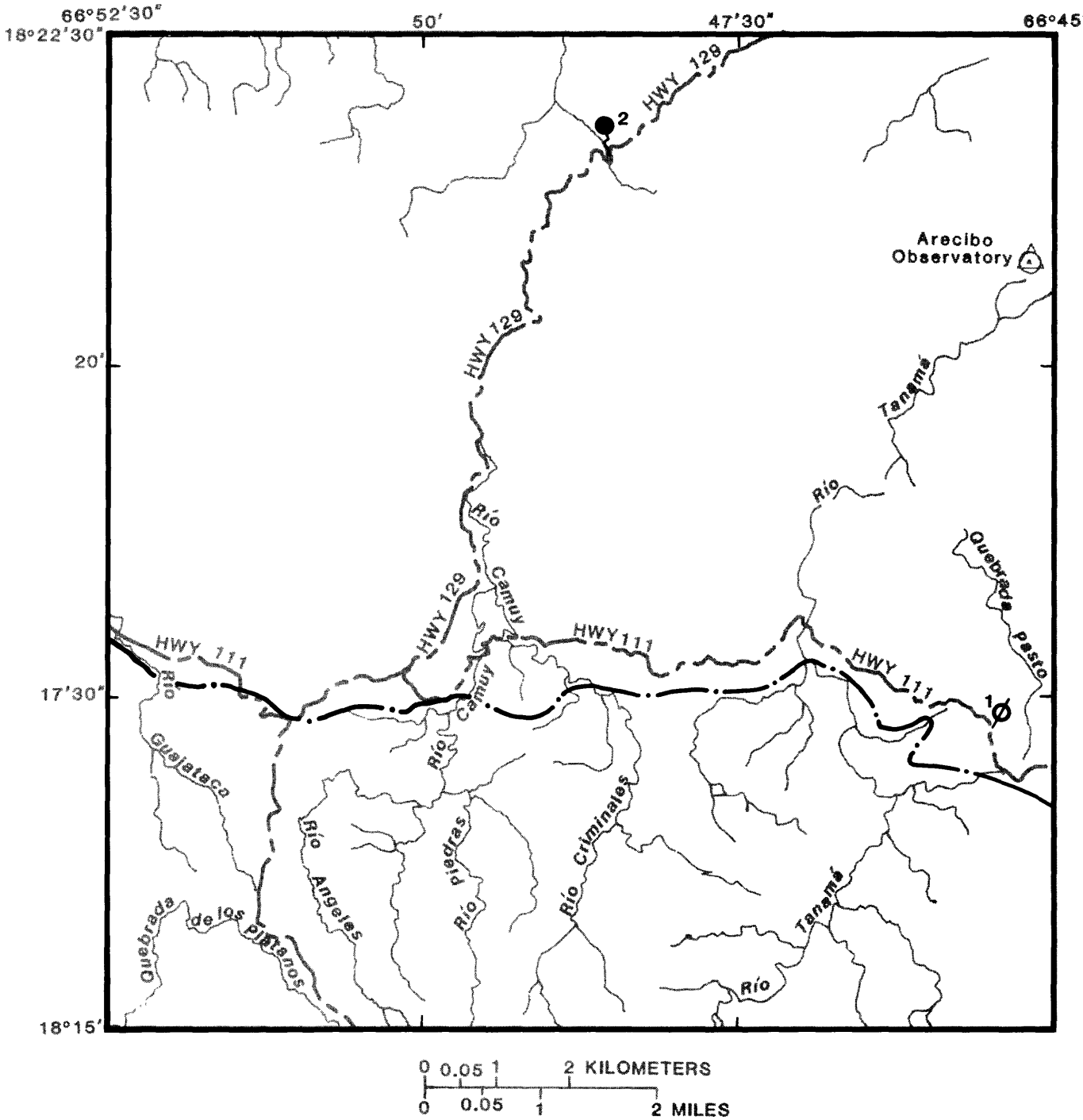
STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182547066112700	120953	---	---	---	---	---	---	---	---	---	---	---	---
	122153	---	---	---	---	---	---	---	---	---	---	---	---
	062657	---	---	---	---	---	---	---	---	---	---	---	---
182548066122300	090181	---	0.6	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182552066112600	120953	---	---	---	---	---	---	---	---	---	---	---	---
	122153	---	---	---	---	---	---	---	---	---	---	---	---
	062657	---	---	---	---	---	---	---	---	---	---	---	---
	090159	---	---	---	---	---	---	---	---	---	---	---	---
182554066085900	040265	---	---	---	---	---	---	---	---	---	---	---	---
182601066104300	021280	9.2	---	---	---	---	---	---	---	0	0	---	---
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182601066105700	021880	13	---	---	---	---	---	---	---	0	0	---	---
182618066114100	040963	---	---	---	---	---	---	---	---	---	---	---	---
182620066110200	021280	---	---	---	---	---	---	---	---	---	---	---	---
182622066114700	040963	---	---	---	---	---	---	---	---	---	---	---	---
182623066111000	031378	---	---	---	---	---	---	---	---	---	---	---	---
182627066111600	021280	---	---	---	---	---	---	---	---	---	---	---	---
182636066112000	012275	---	---	---	---	---	---	---	---	---	---	---	---
182640066112300	052273	---	---	---	---	---	---	---	---	---	---	---	---

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182248066145000	010363	---	---	---	---	---	---	---	---	---	---	---	---
182335066082000	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031464	---	---	---	---	---	---	---	---	---	---	---	---
182342066082000	031364	---	---	---	---	---	---	---	---	---	---	---	---
182357066082000	D50658	---	---	---	---	---	---	---	---	---	---	---	---
182436066085500	050850	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182441066082600	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031051	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182442066134200	050261	---	---	---	---	---	---	---	---	---	---	---	---
182445066083400	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182445066083800	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
	031653	---	---	---	---	---	---	---	---	---	---	---	---
182453066080800	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
182454066085200	040265	---	---	---	---	---	---	---	---	---	---	---	---
182503066104200	032576	---	---	---	---	---	---	---	---	---	---	---	---
182505066125700	042076	---	---	---	---	---	---	---	---	---	---	---	---
182509066073400	050850	---	---	---	---	---	---	---	---	---	---	---	---
	031651	---	---	---	---	---	---	---	---	---	---	---	---
	022852	---	---	---	---	---	---	---	---	---	---	---	---
	031653	---	---	---	---	---	---	---	---	---	---	---	---
	030554	---	---	---	---	---	---	---	---	---	---	---	---
	032555	---	---	---	---	---	---	---	---	---	---	---	---
182517066103900	121367	---	---	---	---	---	---	---	---	---	---	---	---
	031378	---	---	---	---	---	---	---	---	---	---	---	---
182518066104400	050272	---	---	---	---	---	---	---	---	---	---	---	---
	032576	---	---	---	---	---	---	---	---	---	---	---	---
182518066143800	030564	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.6	0
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182518066144200	110458	---	---	---	---	---	---	---	---	---	---	---	---
	030364	---	---	---	---	---	---	---	---	---	---	---	---
	030464	---	---	---	---	---	---	---	---	---	---	---	---
	030464	---	---	---	---	---	---	---	---	---	---	---	---
	030564	---	---	---	---	---	---	---	---	---	---	---	---
	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031264	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031364	---	---	---	---	---	---	---	---	---	---	---	---
	031464	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	061566	---	---	---	---	---	---	---	---	---	---	---	---
	060667	---	---	---	---	---	---	---	---	---	---	---	---
	081076	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182520066145600	052764	---	---	---	---	---	---	---	---	---	---	---	---
	073164	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	0	---	---	---	---	---	---	0	1.0	0
182526066140800	062664	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.4	0
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182526066141200	061964	---	---	---	---	---	---	---	---	---	---	---	---
	020174	---	---	---	---	---	---	---	---	---	---	---	---
182530066134800	020266	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	0	---	---	---	---	---	---	0	0.7	0
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182530066135400	081076	---	---	---	---	---	---	---	---	---	---	---	---
182531066132000	101876	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.2	0
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182532066134100	030366	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.2	0
	020183	---	---	---	---	---	---	---	---	---	---	---	---
182540066090300	040265	---	---	---	---	---	---	---	---	---	---	---	---
182547066110800	100160	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	050267	---	---	---	---	---	---	---	---	---	---	---	---
	111167	---	---	---	---	---	---	---	---	---	---	---	---
	020268	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.5	0
	020183	---	---	---	---	---	---	---	---	---	---	---	---

Table 4B. Well completion and water-quality data for selected wells and springs in the Bayamón quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182547066112700	12D953	---	---	---	---	---	---	---	---	---	---	---	---
	122153	---	---	---	---	---	---	---	---	---	---	---	---
	062657	---	---	---	---	---	---	---	---	---	---	---	---
1B254B066122300	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182552066112600	120953	---	---	---	---	---	---	---	---	---	---	---	---
	122153	---	---	---	---	---	---	---	---	---	---	---	---
	062657	---	---	---	---	---	---	---	---	---	---	---	---
	090159	---	---	---	---	---	---	---	---	---	---	---	---
182554066085900	04D265	---	---	---	---	---	---	---	---	---	---	---	---
182601066104300	021280	---	---	0	---	---	---	---	---	---	0	0.6	0
	0201B3	---	---	---	---	---	---	---	---	---	---	---	---
1826D1066105700	0218B0	---	---	0	---	---	---	---	---	---	0	0.4	0
182618D6611410D	D40963	---	---	---	---	---	---	---	---	---	---	---	---
18262006611D200	02128D	---	---	---	---	---	---	---	---	---	---	---	---
182622066114700	D40963	---	---	---	---	---	---	---	---	---	---	---	---
182623066111DDD	031378	---	---	---	---	---	---	---	---	---	---	---	---
182627066111600	0212B0	---	---	---	---	---	---	---	---	---	---	---	---
182636066112D0D	012275	---	---	---	---	---	---	---	---	---	---	---	---
182640066112300	D52273	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

Ø¹ ABANDONED WELL

●² SPRING

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 5A.

Figure 5.--Location of selected wells and springs in the Bayaney quadrangle.

Table 5A. Identification of selected wells and springs in the Bayaney quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	CAGUANAS	181739066453000
2	POZO DEL MUERTO	182150066483600

 (p. 44 follows)

Table 5B. Well completion and water-quality data for selected wells and springs in the Bayaney quadrangle

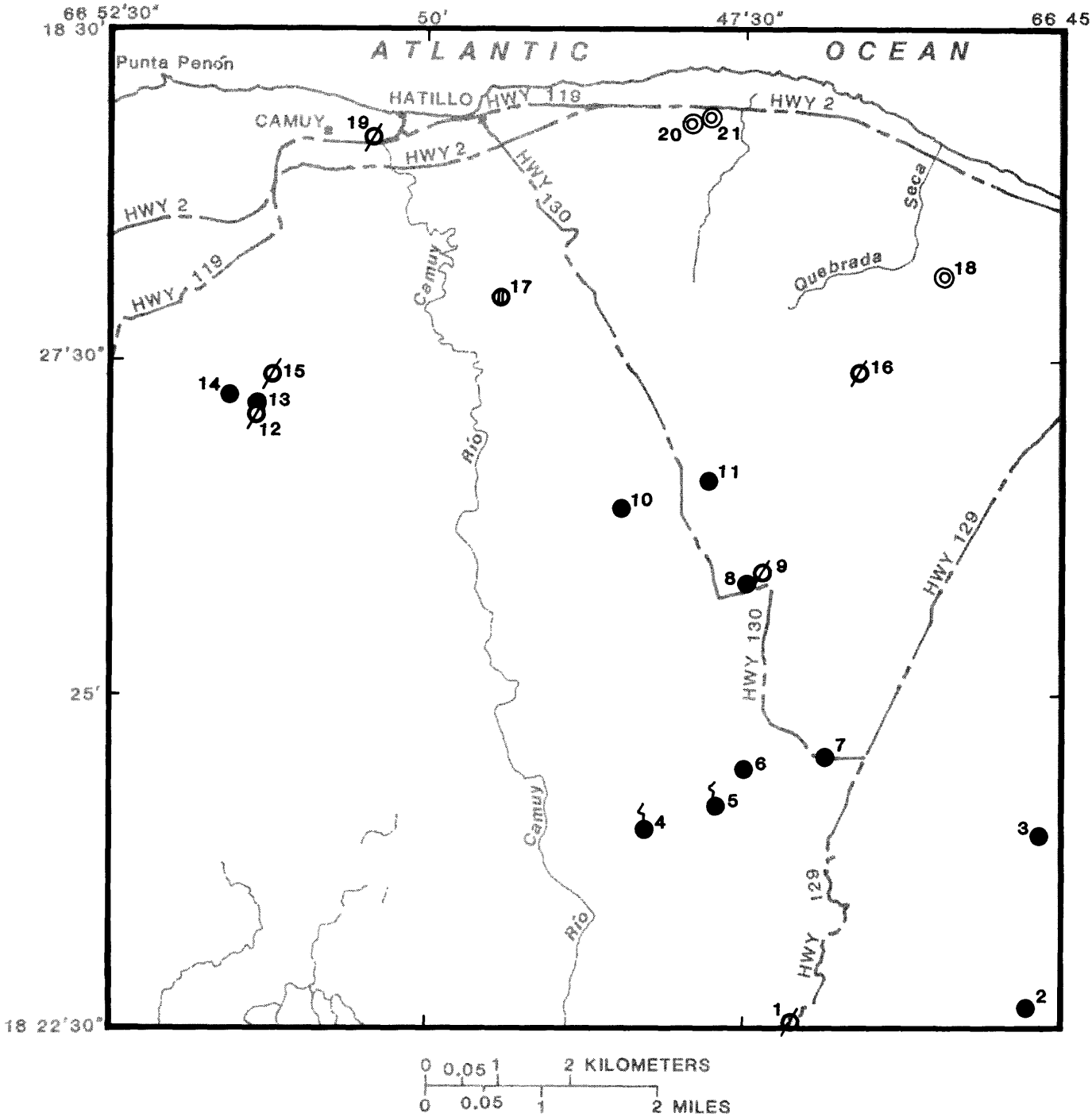
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
181739066453000	050467	340	160-340	San Sebastian/ Volcanic	PRASA	---	7.1	---	160	0	39	12
182150066483600	040160	SPRING		Montebello	USGS	390	7.7	24.0	200	---	75	2.0

Station ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiD2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
181739066453000	050467	70	---	---	200	---	120	11	0.0	39	520	---
182150066483600	040160	---	4	---	200	---	16	10	0.0	2.4	---	---

STATION ID	DATE	NITRO-GEN, NITRATE OIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN OIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVEO (UG/L AS Mn)
181739066453000	050467	0.20	---	0.00	---	---	---	---	---	0.00	0.0	200	0
182150066483600	040160	14	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC OIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
181739066453000	050467	2.0	---	---	---	---	---	---	---	---	---	---	---
182150066483600	040160	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SDLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
181739066453000	050467	---	---	---	---	---	---	---	---	---	---	---	---
182150066483600	040160	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

- ●2 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ◎20 WELL USED FOR IRRIGATION-WATER SUPPLY
- Ø1 ABANDONED WELL
- ⊕17 TEST HOLE
- ●4 SPRING

Note: Site numbers are identified in Table 6A.

Figure 6.--Location of selected wells and springs in the Camuy quadrangle.

Table 6A. Identification of selected wells and springs in the Camuy quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	BAYANEY-1	182231066470800
2	UNKNOWN	182237066451700
3	ESPERANZA	182357066451100
4	TIBURONES	182359066481600
5	SONADORA	182410066474300
6	CAMPO ALEGRE-3	182426066473000
7	CAMPO ALEGRE-1	182432066465100
8	BO. PAJUIL	182548066472800
9	PAJUIL	182556066472400
10	PALOMA-1	182623066482800
11	PALOMA-2	182636066474800
12	ZANJA-2	182708066512000
13	ZANJA-3	182709066512000
14	ZANJA-1	182714066513200
15	ZANJA-4	182723066511200
16	CONCORVADO	182725066463700
17	NC-6	182757066492600
18	UNKNOWN	182807066455700
19	RIO LLANOS	182909066502600
20	TORRES	182920066475500
21	UNKNOWN	182922066474700

Table 6B. Well completion and water quality-data for selected wells and springs in the Camuy quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182231066470800	060766	200	84-176	Montebello	USGS	494	7.9	22.0	250	---	85	10
	050567				USGS	499	7.6	23.5	270	---	84	15
	010868				USGS	502	7.8	25.5	260	---	88	9.8
	041758				USGS	---	7.8	---	240	---	77	11
	010665				USGS	346	7.4	23.0	150	---	54	4.7
182237066451700	032780	360	40-360	Montebello	PRASA	---	7.4	---	---	---	65	8.0
182357066451100	071266	200	135-195	Aguada	PRASA	---	7.3	---	230	6	78	9.0
	060178				PRASA	---	7.5	---	220	5	72	13
	101780				PRASA	---	7.4	---	190	9	76	2.9
182359066481600	110182	SPRING	---	Aguada	USGS	465	7.4	23.5	220	35	86	1.4
182410066474300	110182	SPRING	---	Aguada	USGS	460	7.7	23.5	220	4	84	2.5
182426066473000	012478	515	257-500	Aguada	PRASA	---	7.3	---	220	3	79	6.1
	101780				PRASA	---	7.4	---	240	0	77	8.6
182432066465100	071069	537	300-537	Aguada	PRASA	---	7.4	---	210	2	77	5.0
	061278				PRASA	---	7.5	---	220	4	40	31
	091180				PRASA	---	7.5	---	240	0	71	6.6
182548066472800	111667	500	296-500	Aymamón/	PRASA	---	7.6	---	210	4	81	3.0
	061278			Aguada	PRASA	---	7.5	---	220	3	44	28
182556066472400	111667	500	296-500	Aymamón/	PRASA	---	7.6	---	210	---	81	3.0
	061278			Aguada	PRASA	---	7.5	---	220	---	44	28
182623066482800	102971	542	402-542	Aguada	PRASA	500	7.2	---	280	0	91	3.9
	061278				PRASA	---	7.4	---	240	12	48	32
	091180				PRASA	---	7.4	---	240	0	74	11
182636066474800	061278	460	325-460	Aguada	PRASA	---	7.4	---	230	19	40	37
	110980				PRASA	---	7.4	---	260	11	100	4.5
182708066512000	121064	615	250-615	Aymamón	PRASA	---	7.0	---	220	---	68	29
	110980				PRASA	---	7.5	---	260	9	89	12
182709066512000	022464	470	346-470	Aymamón	PRASA	---	7.0	---	260	8	93	9.0
	061478				PRASA	---	7.3	---	240	9	40	36
	110980				PRASA	---	7.5	---	---	---	89	12
182714066513200	061278	---	---	---	PRASA	---	7.4	---	250	7	46	34
	091180				PRASA	---	7.5	---	270	0	80	11
182723066511200	020477	585	375-585	Aymamón	PRASA	---	7.7	---	200	13	78	3.4
	061278				PRASA	---	7.6	---	180	10	33	25
182725066463700	120676	222	100-222	Aymamón	PRASA	---	7.1	---	380	---	---	---
182757066492600	092486	2574	* 275	Aymamón	USGS	2800	8.05	24.5	419	---	82.0	51.0
	082986		* 615	Aguada	USGS	40000	7.50	24.5	---	---	---	---
	090386		* 1179	Aguada	USGS	42500	7.30	24.9	---	---	---	---
	090386		* 1335	Cibao Undi.	USGS	23499	7.70	25.0	---	---	---	---
	090486		* 1475	Cibao Undi.	USGS	460	7.91	25.0	219	---	71.0	10.0
	091086		* 2055	Lares	USGS	489	7.96	26.5	200	---	43.0	21.0
	091186		* 2175	Lares	USGS	520	7.95	26.5	200	---	52.0	17.0
182807066455700	073058	294	---	Aymamón	USGS	---	7.7	---	210	---	66	12
182909066502600	082180	100	83-100	Alluvial	PRASA	---	7.5	---	210	120	96	21
182920066475500	090181	100	---	Camuy	USGS	4100	7.0	25.5	---	---	120	88
	090182				USGS	3450	7.0	25.5	---	---	110	72
182922066474700	090181	60	---	Camuy	USGS	3340	7.2	26.5	---	---	110	68
	090182				USGS	2980	6.9	26.5	---	---	100	58

Table 6B. Well completion and water-quality data for selected wells and springs in the Camuy quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182231066470800	060766	---	6	---	290	---	10	12	0.1	8.1	---	---
	050567	---	1	---	300	---	10	12	0.0	7.8	---	---
	010868	---	3	---	300	---	2.8	11	0.2	7.4	---	---
	041758	---	20	---	290	---	19	17	0.1	11	---	---
	010665	---	7	---	160	---	7.2	22	0.3	7.0	---	---
182237066451700	032780	67	---	0.3	---	---	6.0	16	0.1	11	367	---
182357066451100	071266	11	---	---	280	---	7.0	15	0.0	7.0	290	---
	060178	12	---	0.9	280	---	6.0	18	0.0	6.0	280	---
	101780	3.2	---	0.3	230	---	5.5	7.0	0.0	6.8	266	---
182359066481600	110182	7.0	---	0.2	---	---	8.0	11	<0.1	4.9	231	---
182410066474300	110182	7.5	---	0.6	---	---	8.0	13	<0.1	5.1	251	---
182426066473000	012478	11	---	---	270	---	6.0	14	0.0	6.4	309	---
	101780	17	---	0.8	290	---	3.5	13	0.0	9.7	284	---
182432066465100	071069	14	---	---	260	---	7.0	20	0.0	16	262	---
	061278	9.0	---	2	270	---	0.0	13	0.0	11	269	---
	091180	30	---	0.9	300	---	8.8	11	0.0	12	---	---
182548066472800	111667	10	---	---	260	---	1.0	15	0.0	12	304	---
	061278	15	---	2	270	---	2.0	17	0.0	8.6	383	---
182556066472400	111667	---	10	---	260	---	1.0	15	0.0	12	---	---
	061278	15	---	2	---	---	2.0	17	0.0	9.0	383	---
182623066482800	102971	32	---	---	340	---	1.0	18	0.0	8.6	287	---
	061278	10	---	2	290	---	1.7	16	0.0	11	312	---
	091180	21	---	0.6	290	---	2.0	15	---	9.0	---	---
182636066474800	061278	9.0	---	2	290	---	2.0	18	0.0	9.0	324	---
	110980	11	---	0.6	320	---	0.0	17	0.0	10	345	---
182708066512000	121064	29	---	---	270	---	8.0	21	0.1	23	272	---
	110980	12	---	1	320	---	4.0	17	0.0	10	321	---
182709066512000	022467	12	---	---	320	---	3.0	20	0.1	9.0	295	---
	061478	12	---	2	290	---	3.5	18	0.0	9.0	303	---
	110980	12	---	1	260	---	4.0	17	0.0	10	321	---
182714066513200	061778	12	---	2	300	---	2.0	18	0.0	9.0	315	---
	091180	27	---	0.6	330	---	1.6	18	0.0	11	---	---
182723066511200	020477	11	---	---	240	---	7.0	19	0.0	8.4	257	---
	061278	9.0	---	2	210	---	8.0	15	0.0	5.4	231	---
182725066463700	120676	---	---	---	---	---	---	340	---	---	977	---
182757066492600	092486	439	---	<10.0	219	0.500	129	760	0.500	10.0	1599	---
	082986	---	---	<10.0	123	<0.500	2500	18000	0.300	---	---	---
	090386	---	---	<10.0	123	<0.500	2700	18000	0.300	---	---	---
	090386	---	---	<10.0	150	<0.500	1200	8600	0.300	---	---	---
	090486	8.10	---	1.60	157	<0.500	20.0	10.0	0.200	9.80	230	---
	091086	24.0	---	<10.0	176	19.0	25.0	28.0	0.600	14.0	280	---
	091186	39.0	---	6.80	171	<0.500	13.0	42.0	0.400	15.0	290	---
182807066455700	073058	---	120	---	200	---	18	110	0.0	11	---	---
182909066502600	082180	142	---	7	250	---	36	280	0.2	7.5	852	---
182920066475500	090181	620	---	24	270	---	150	1200	0.2	9.5	---	---
	090182	480	---	24	310	---	120	860	0.2	10	---	---
182922066474700	090181	490	---	18	260	---	110	930	0.1	9.5	---	---
	090182	400	---	17	250	---	100	730	0.1	8.9	---	---

Table 6B. Well completion and water-quality data for selected wells and springs in the Camuy quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182231066470800	060766	2.7	---	---	---	---	---	---	---	---	---	---	---
	050567	2.5	---	---	---	---	---	---	---	---	---	---	---
	010868	2.3	---	---	---	---	---	---	---	---	---	---	---
	041758	1.3	---	---	---	---	---	---	---	---	---	---	---
	010665	2.1	---	---	---	---	---	---	---	---	---	---	---
182237066451700	032780	0.30	---	---	---	---	---	---	---	---	---	0.0	0
182357066451100	071266	0.74	---	0.00	---	---	---	---	---	0.00	50	50	0
	060178	2.9	---	0.00	---	---	---	---	---	0.05	---	200	0
	101780	0.47	---	0.00	---	---	---	---	---	0.00	---	130	0
182359066481600	110182	---	---	---	---	---	---	---	---	---	6.0	---	1
182410066474300	110182	---	---	<0.01	0.60	0.06	0.30	---	---	0.05	9.0	---	<1
182426066473000	012478	2.2	---	0.00	---	---	---	---	---	0.05	---	250	0
	101780	0.98	---	0.00	---	---	---	---	---	0.00	---	110	20
182432066465100	071069	0.61	---	0.00	---	---	---	---	---	0.00	0.0	0.0	0
	061278	1.0	---	0.00	---	---	---	---	---	0.03	---	1400	0
	091180	0.49	---	0.00	---	---	---	---	---	0.02	---	60	23
182548066472800	111667	4.8	---	0.00	---	---	---	---	---	0.00	50	100	0
	061278	16	---	0.00	---	---	---	---	---	0.06	---	220	0
182556066472400	111667	4.8	---	---	---	---	---	---	---	---	---	---	---
	061278	---	---	---	---	---	---	---	---	---	---	---	---
182623066482800	102971	6.2	---	0.00	---	---	---	---	---	0.00	---	50	0
	061278	19	---	0.00	---	---	---	---	---	0.09	---	450	0
	091180	2.8	---	0.00	---	---	---	---	---	0.02	---	80	15
182636066474800	061278	19	---	0.02	---	---	---	---	---	0.03	---	200	0
	110980	3.0	---	0.00	---	---	---	---	---	0.03	---	100	25
182708066512000	121064	3.0	---	0.00	---	---	---	---	---	0.10	100	250	0
	110980	2.4	---	0.00	---	---	---	---	---	0.06	---	270	18
182709066512000	022467	3.0	---	---	---	---	---	---	---	0.00	0.0	50	0
	061478	12	---	0.00	---	---	---	---	---	0.04	---	200	0
	110980	2.4	---	---	---	---	---	---	---	---	---	0.0	20
182714066513200	061778	10	---	0.00	---	---	---	---	---	0.04	---	250	0
	091180	2.6	---	0.00	---	---	---	---	---	0.05	---	60	12
182723066511200	020477	3.5	---	0.00	---	---	---	---	---	0.00	---	100	0
	061278	5.7	---	0.00	---	---	---	---	---	0.15	---	950	0
182725066463700	120676	---	---	---	---	---	---	---	---	---	---	200	0
182757066492600	092486	---	---	---	1.10	0.110	---	<0.200	<0.010	---	<9.00	---	---
	082986	---	---	---	<0.100	0.630	---	0.600	<0.010	---	---	---	---
	090386	---	---	---	<0.100	0.730	---	0.800	<0.010	---	---	---	---
	090386	---	---	---	0.100	0.280	---	0.300	<0.010	---	---	---	---
	090486	---	---	---	<0.100	0.050	---	0.200	<0.010	---	<3.00	---	12.0
	091086	---	---	---	<0.100	0.140	---	0.400	<0.010	---	15.0	---	4.00
	091186	---	---	---	<0.100	0.150	---	0.300	<0.010	---	<3.00	---	6.00
182807066455700	073058	18	---	---	---	---	---	---	---	---	---	---	---
182909066502600	082180	2.0	---	0.00	---	---	---	---	---	0.06	---	90	0
182920066475500	090181	---	---	---	6.1	---	---	---	---	---	---	50	<10
	090182	---	---	---	8.1	---	---	---	---	0.04	---	180	30
182922066474700	090181	---	---	---	4.6	---	---	---	---	---	---	20	<10
	090182	---	---	---	4.4	---	---	---	---	0.07	---	10	20

Table 6B. Well completion and water-quality data for selected wells and springs in the Camuy quadrangle (continued)

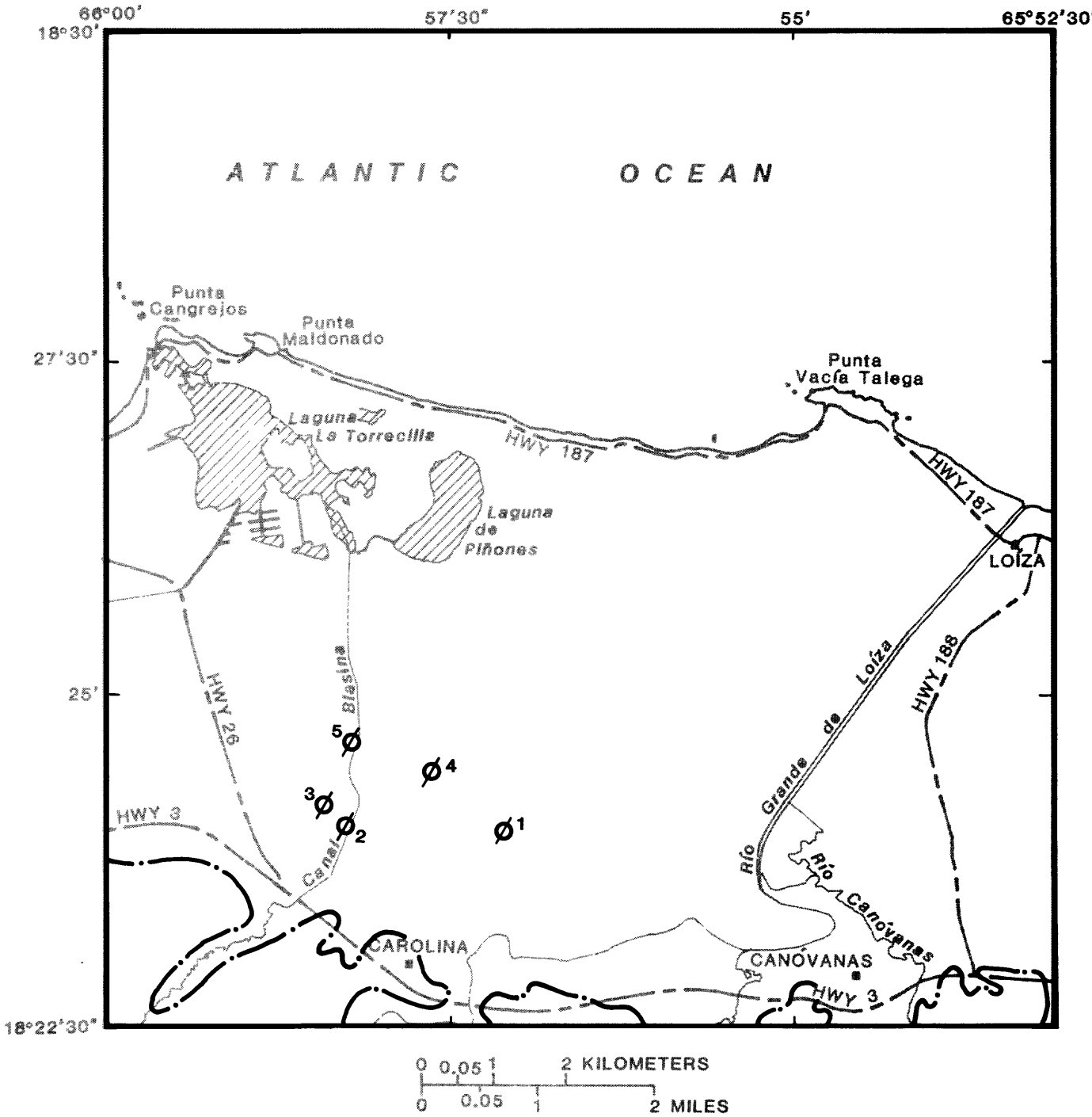
STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182231066470B00	060766	---	---	---	---	---	---	---	---	---	---	---	---
	05D567	---	---	---	---	---	---	---	---	---	---	---	---
	D1D86B	---	---	---	---	---	---	---	---	---	---	---	---
	041758	---	---	---	---	---	---	---	---	---	---	---	---
	010665	---	---	---	---	---	---	---	---	---	---	---	---
182237066451700	032780	---	---	---	---	---	---	---	---	---	---	---	---
182357066451100	D71266	59	---	---	---	---	---	---	---	---	---	---	---
	060178	21	---	---	---	---	---	---	---	---	---	---	---
	1D1780	17	---	---	---	---	0.0	---	---	0	0	---	---
1B2359D66481600	110182	---	---	5.4	0.00	1	12	1.0	10	1	<1	---	---
182410066474300	110182	---	---	---	0.00	1	12	<1.0	10	<1	<1	---	---
182426066473000	D12478	27	---	---	---	---	---	---	---	---	---	---	---
	101780	19	---	---	---	---	0.0	---	---	0	7	---	---
1B2432066465100	071069	2.0	---	---	---	---	---	---	---	---	---	---	---
	061278	19	---	---	---	---	---	---	---	---	---	---	---
	091180	15	---	---	---	---	---	---	---	0	0	---	---
1B2548066472B00	111667	10	---	---	---	---	---	---	---	---	---	---	---
	06127B	19	---	---	---	---	---	---	---	---	---	---	---
1B2556066472400	111667	---	---	---	---	---	---	---	---	---	---	---	---
	061278	---	---	---	---	---	---	---	---	---	---	---	---
182623066482800	102971	39	---	---	---	---	---	---	---	---	---	---	---
	06127B	25	---	---	---	---	---	---	---	---	---	---	---
	0911B0	19	---	---	---	---	---	---	---	0	0	---	---
182636066474800	061278	24	---	---	---	---	---	---	---	---	---	---	---
	110980	20	---	---	---	---	---	---	---	0	1	---	---
182708066512000	121064	2.8	---	---	---	---	---	---	---	---	---	---	---
	110980	17	---	---	---	---	---	---	---	0	D	---	---
182709066512000	022464	70	---	---	---	---	---	---	---	---	---	---	---
	061478	29	---	---	---	---	---	---	---	---	---	---	---
	110980	---	---	---	---	---	---	---	---	---	---	---	---
182714066513200	061778	25	---	---	---	---	---	---	---	---	---	---	---
	091180	17	---	---	---	---	---	---	---	0	0	---	---
182723066511200	020477	7.0	---	---	---	---	---	---	---	---	---	---	---
	061278	8.0	---	---	---	---	---	---	---	---	---	---	---
1B2725066463700	12D676	---	---	---	---	---	---	---	---	---	---	---	---
182757066492600	092486	---	---	0.500	---	<1.00	31.0	<2.00	319	<3.00	---	0.D33	2.50
	0B2986	---	---	0.100	---	<1.00	---	---	4200	---	---	<0.001	---
	090386	---	---	0.300	---	<1.00	---	---	4300	---	---	<0.001	---
	090386	---	---	0.200	---	<1.00	---	---	2099	---	---	<0.001	---
	090486	---	---	0.200	---	<1.00	20.0	<0.500	40.0	<1.00	---	0.011	---
	091086	---	---	0.300	---	2.00	17.0	<0.500	100	<1.00	---	0.016	---
	091186	---	---	0.500	---	<1.00	48.0	<0.500	80.0	<1.00	---	0.025	---
182807066455700	070358	---	---	---	---	---	---	---	---	---	---	---	---
182909066502600	082180	13	---	---	---	---	---	---	---	---	---	---	---
182920066475500	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182922066474700	090181	---	0.1	---	---	---	---	---	---	---	---	---	---
	010184	---	---	---	---	---	---	---	---	---	---	---	---

 (p. 52 follows)

Table 6B. Well completion and water-quality data for selected wells and springs in the Camuy quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182231066470800	060766	---	---	---	---	---	---	---	---	---	---	---	---
	050567	---	---	---	---	---	---	---	---	---	---	---	---
	010868	---	---	---	---	---	---	---	---	---	---	---	---
	041758	---	---	---	---	---	---	---	---	---	---	---	---
	010665	---	---	---	---	---	---	---	---	---	---	---	---
182237066451700	032780	---	---	---	---	---	---	---	---	---	---	---	---
182357066451100	071266	---	---	---	---	---	---	---	---	---	---	---	---
	060178	---	20	---	---	---	---	60	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
182359066481600	110182	<3.0	10	10	10	110	<6.0	<4.0	<10	4.0	<1	<0.1	---
182410066474300	110182	<3.0	10	10	<10	110	<6.0	<4.0	10	<4.0	<1	0.1	---
182426066473000	012478	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
182432066465100	071069	---	---	---	---	---	---	---	---	---	---	---	---
	061278	---	0	---	---	---	---	---	---	---	---	---	---
	091180	---	0	0	---	---	---	---	---	---	---	0.0	0
182548066472800	111667	---	---	---	---	---	---	---	---	---	---	---	---
	061278	---	10	---	---	---	---	---	---	---	---	---	---
182556066472400	111667	---	---	---	---	---	---	---	---	---	---	---	---
	061278	---	---	---	---	---	---	---	---	---	---	---	---
182623066482800	102971	---	---	---	---	---	---	---	---	---	---	---	---
	061278	---	10	---	---	---	---	---	---	---	---	---	---
	091180	---	0	0	---	---	---	---	---	---	---	0.0	0
182636066474800	061278	---	20	---	---	---	---	---	---	---	---	---	---
	110980	---	21	0	---	---	---	---	---	---	---	3.0	0
182708066512000	121064	---	---	---	---	---	---	---	---	---	---	---	---
	110980	---	0	0	---	---	---	---	---	---	---	0.2	0
182709066512000	022464	---	---	---	---	---	---	---	---	---	---	---	---
	061478	---	0	---	---	---	---	10	---	---	---	---	---
	110980	---	---	---	---	---	---	---	---	---	---	---	---
182714066513200	061278	---	0	---	---	---	---	---	---	---	---	---	---
	091180	---	0	0	---	---	---	---	---	---	---	0.8	---
182723066511200	020477	---	---	---	---	---	---	---	---	---	---	---	---
	061278	---	0	---	---	---	---	10	---	---	---	---	---
182725066463700	120676	---	---	---	---	---	---	---	---	---	---	---	---
182757066492600	092486	<9.00	<30.0	<30.0	<30.0	2199	<17.0	<9.00	---	20.0	3.00	<0.100	---
	082986	---	---	---	---	---	---	---	60.0	---	<1.00	---	---
	090386	---	---	---	---	---	---	---	220	---	<1.00	---	---
	090386	---	---	---	---	---	---	---	<30.0	---	<1.00	---	---
	090486	<3.00	<10.0	<10.0	10.0	1099	<6.00	4.00	<10.0	10.0	2.00	---	---
	091086	<3.00	<10.0	<10.0	<10.0	2900	<6.00	7.00	10.0	10.0	1.00	---	---
	090486	<3.00	<10.0	<10.0	<10.0	2900	<6.00	7.00	10.0	11.0	<1.00	---	---
182807066455700	070358	---	---	---	---	---	---	---	---	---	---	---	---
182909066502600	082180	---	---	---	---	---	---	---	---	---	---	1.2	---
182920066475500	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182922066474700	090181	---	---	---	---	---	---	---	---	---	---	---	---
	010184	---	---	---	---	---	---	---	---	---	---	---	---

DEPTH AT WHICH SAMPLE WAS COLLECTED.



EXPLANATION

Ø1 ABANDONED WELL

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 7A.

Figure 7.--Location of selected wells in the Carolina quadrangle.

Table 7A. Identification of selected wells in the Carolina quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	PACADOR	182359065570700
2	VILLA FONTANA-2	182401065581400
3	VILLA FONTANA	182408065582200
4	UNKNOWN	182426065573800
5	UNKNOWN	182439065580800

 (p. 56 follows)

Table 7B. Well completion and water-quality data for selected wells in the Carolina quadrangle

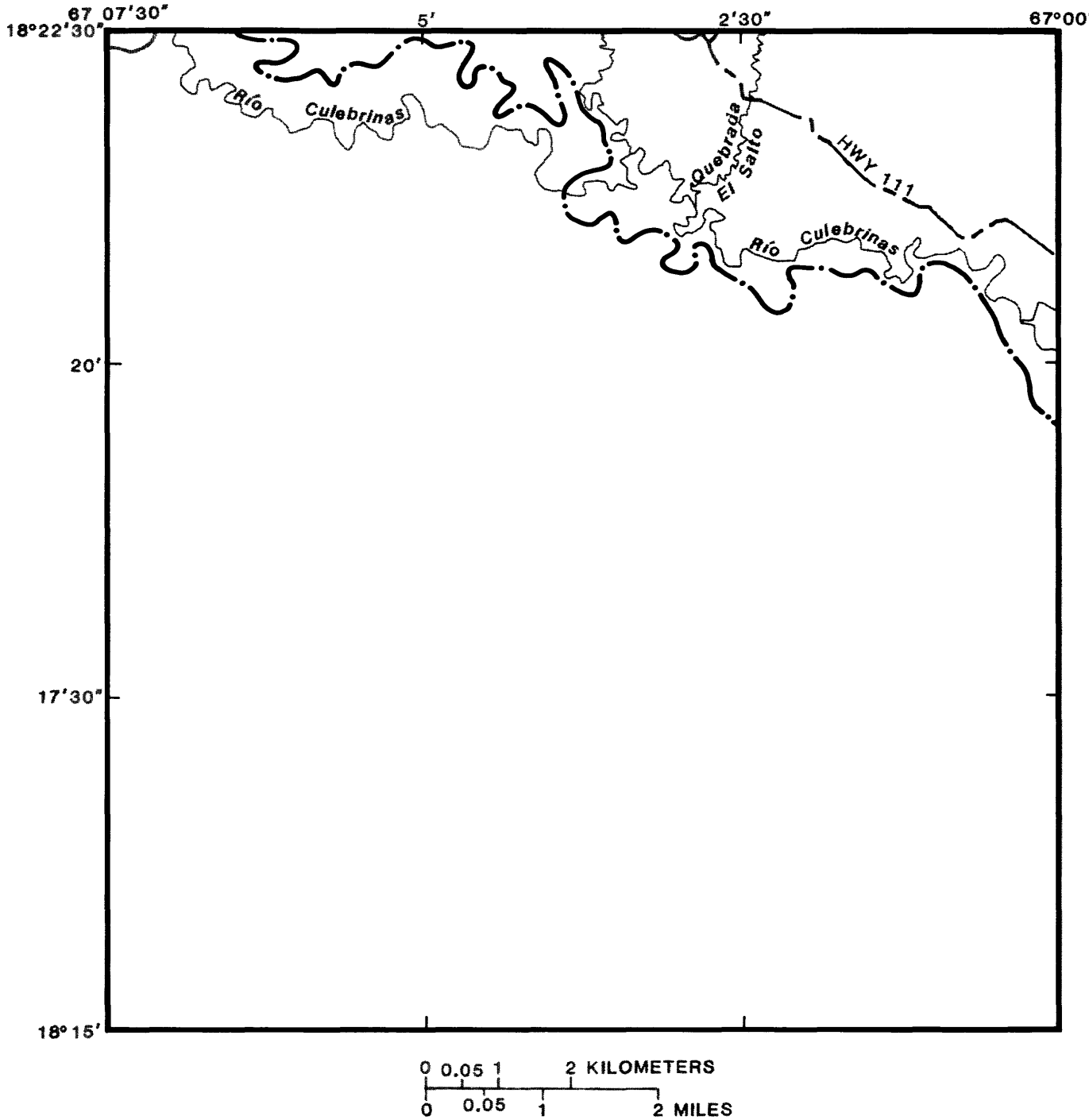
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182359065570700	021065	---	---	---	USGS	536	7.2	---	210	---	56	17
182401065581400	081077	100	40-100	Alluvial	PRASA	---	6.9	---	170	---	---	---
	011580				PRASA	---	6.7	---	98	---	---	---
182408065582200	100961	105	95-105	Alluvial	PRASA	343	7.8	26.0	110	---	32	6.8
	071267				PRASA	---	7.5	---	120	---	---	---
	011580				PRASA	---	6.7	---	110	0	31	4.1
182426065573800	020965	90	---	Alluvial	USGS	700	7.5	---	240	---	65	20
182439065580800	100961	150	105-150	Alluvial	PRASA	910	8.8	26.0	310	---	88	23

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182359065570700	021065	---	35	---	300	---	2.0	25	0.1	43	---	---
182401065581400	081077	---	---	---	---	---	---	62	---	---	389	---
	011580	---	---	---	---	---	---	34	---	---	230	---
182408065582200	100961	---	28	---	160	---	10	16	0.2	60	---	---
	071267	---	---	---	---	---	---	29	---	---	252	---
	011580	33	---	3	140	---	10	34	0.0	62	230	---
182426065573800	020965	---	58	---	300	---	34	59	0.1	38	---	---
182439065580800	100961	---	90	---	320	---	47	140	0.3	34	---	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182359065570700	021065	0.10	---	---	---	---	---	---	---	---	---	---	---
182401065581400	081077	---	---	---	---	---	---	---	---	---	---	230	0
	011580	---	---	---	---	---	---	---	---	---	---	1330	0
182408065582200	100961	2.4	---	---	---	---	---	---	---	---	---	---	---
	071267	---	---	---	---	---	---	---	---	---	---	50	0
	011580	1.6	---	0.00	---	---	---	---	---	0.16	---	1330	0
182426065573800	020965	1.1	---	---	---	---	---	---	---	---	---	---	---
182439065580800	100961	0.00	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182359065570700	021065	---	---	---	---	---	---	---	---	---	---	---	---
182401065581400	081077	---	---	---	---	---	---	---	---	---	---	---	---
	011580	---	---	---	---	---	---	---	---	---	---	---	---
182408065582200	100961	---	---	---	---	---	---	---	---	---	---	---	---
	071267	---	---	---	---	---	---	---	---	---	---	---	---
	011580	45	---	---	---	---	0.0	---	---	0	0	---	---
182426065573800	020965	---	---	---	---	---	---	---	---	---	---	---	---
182439065580800	100961	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182359065570700	021065	---	---	---	---	---	---	---	---	---	---	---	---
182401065581400	081077	---	---	---	---	---	---	---	---	---	---	---	---
	011580	---	---	---	---	---	---	---	---	---	---	---	---
182408065582200	100961	---	---	---	---	---	---	---	---	---	---	---	---
	071267	---	---	---	---	---	---	---	---	---	---	---	---
	011580	---	---	17	---	---	---	---	---	---	0	0.0	---
182426065573800	020965	---	---	---	---	---	---	---	---	---	---	---	---
182439065580800	100961	---	---	---	---	---	---	---	---	---	---	---	---



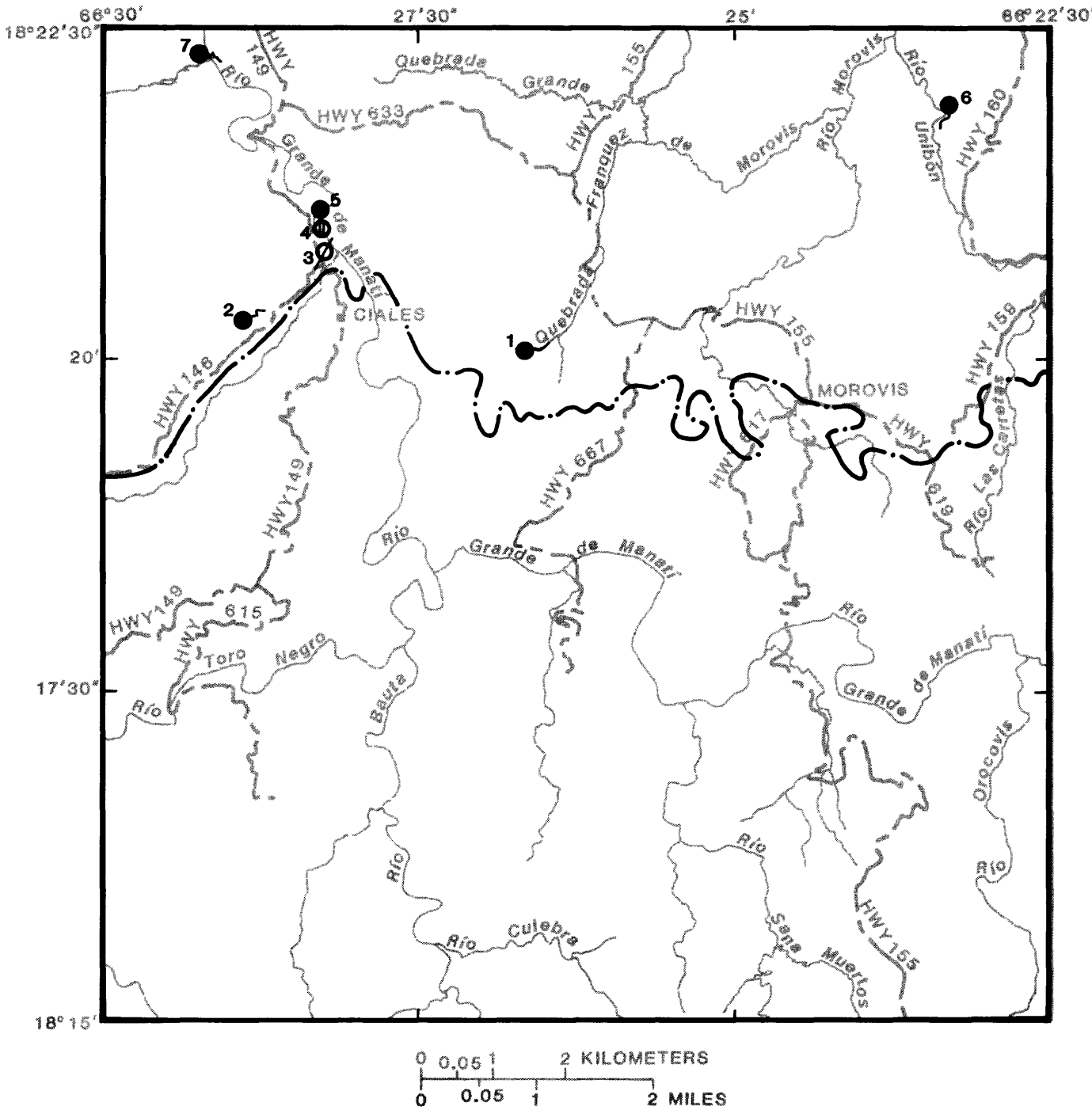
EXPLANATION

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Figure 8.--Location of selected wells and springs in the Central La Plata quadrangle.

Table 8. Identification of selected wells and springs in the Central La Plata quadrangle

SITE NUMBER	STATION NAME	STATION ID
	N O N E	



EXPLANATION

- ●5 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ⊕4 TEST HOLE
- Ø3 ABANDONED WELL
- ●1 SPRING
- —·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 9A.

Figure 9.--Location of selected wells and springs in the Ciales quadrangle.

Table 9A. Identification of selected wells and springs in the Ciales quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	TORRECILLAS	182004066263800
2	REPRESA SONADORA	182019066285300
3	CIALES OLD WELL	182052066281600
4	ROSSY-3	182104066281700
5	ROSSY-1	182109066281700
6	UNKNOWN	182155066231900
7	AGUAS FRIAS	182218066291000

 (p. 62 follows)

Table 9B. Well completion and water-quality data for selected wells and springs in the Ciales quadrangle

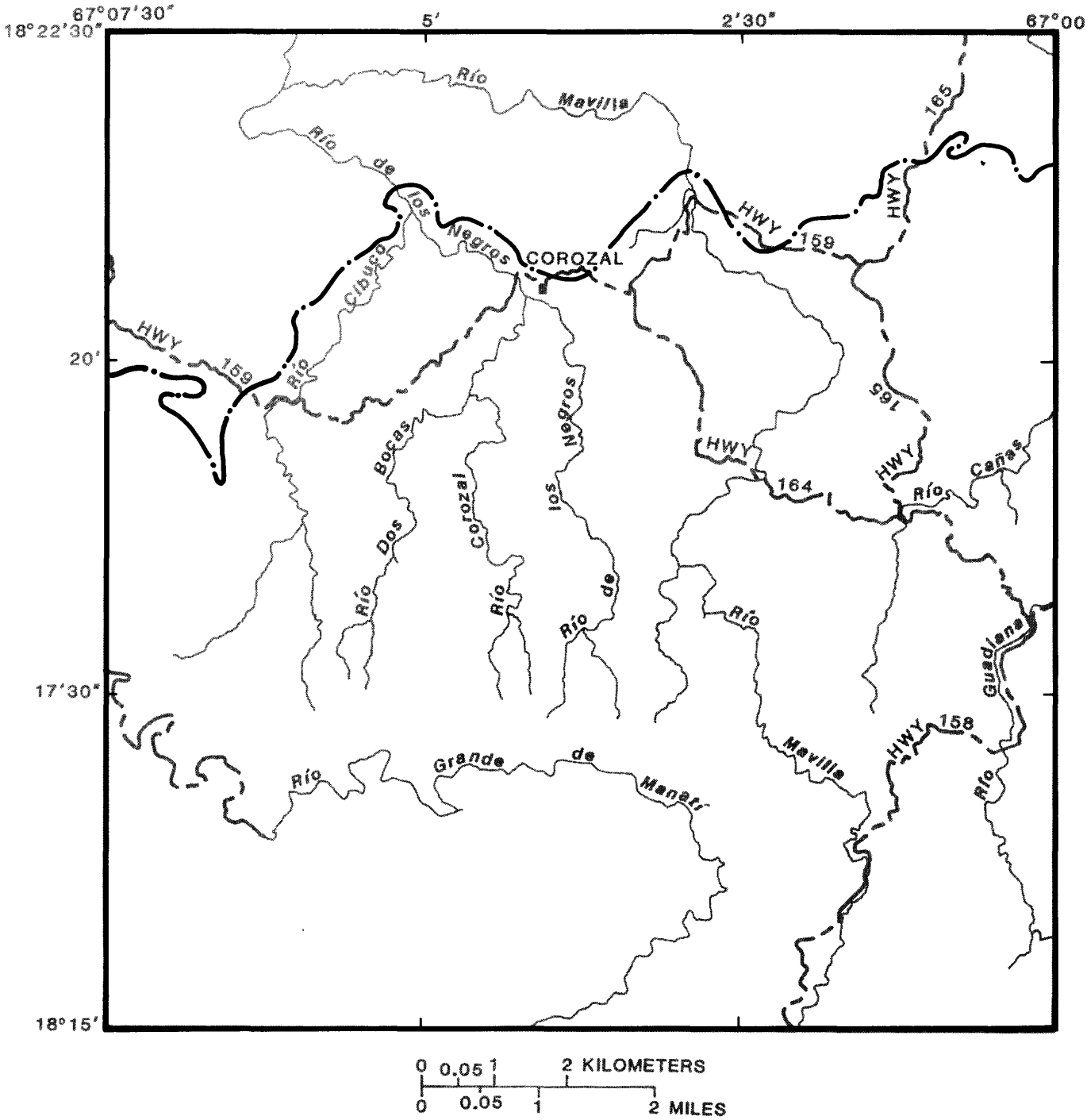
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182004066263800	110182	SPRING		Lares	USGS	470	7.7	24.0	220	1	82	3.2
182019066285300	020360	SPRING		Lares	PRASA	317	7.5	23.0	150	---	59	0.7
	110182				USGS	390	7.8	23.0	180	4	70	1.9
182052066281600	012660	67	27-67	Alluvial	PRASA	---	7.0	---	240	---	66	19
182104066281700	062877	58	20-58	Alluvial	PRASA	---	7.1	---	160	2	47	9.5
182109066281700	052874	110	80-110	Alluvial	PRASA	409	7.7	---	180	22	54	17
	070178				PRASA	---	6.9	---	170	23	58	12
182155066231900	091659	SPRING		Lares	PRASA	---	7.2	---	330	---	120	9.0
182218066291000	110182	SPRING		Lares	USGS	360	7.7	22.5	160	0	61	2.0

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182004066263800	110182	8.8	0.9	0.9	---	---	13	13	0.1	12	264	---
182019066285300	020360	---	6	---	170	---	14	7.0	0.0	2.2	---	---
	110182	6.0	---	0.2	---	---	7.0	9.9	0.1	3.6	207	---
182052066281600	012660	---	1	---	210	---	39	23	0.0	23	---	---
182104066281700	062877	18	---	---	190	---	10	21	0.0	30	237	---
182109066281700	052874	7.6	---	---	220	---	10	20	0.2	27	292	---
	070178	12	---	3	210	---	19	23	0.0	26	270	---
182155066231900	091659	---	5	---	330	---	6.0	42	0.0	14	---	---
182218066291000	110182	6.4	---	0.5	---	---	3.0	10	0.1	5.4	186	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182004066263800	110182	---	---	<0.01	0.66	0.05	0.20	---	---	0.04	8.0	---	<1
182019066285300	020360	8.0	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	<0.01	0.80	<0.01	0.40	---	---	0.03	5.0	---	<1
182052066281600	012660	1.8	---	---	---	---	---	---	---	---	---	---	---
182104066281700	062877	0.40	---	0.01	---	---	---	---	---	0.33	---	230	20
182109066281700	052874	0.65	---	0.00	---	---	---	---	---	0.05	0.0	100	0
	070178	2.2	---	0.00	---	---	---	---	---	0.11	0.0	0.0	0
182155066231900	091659	9.0	---	---	---	---	---	---	---	---	---	---	---
182218066291000	110182	---	---	<0.01	100	0.03	0.40	---	---	0.04	<3.0	---	<1

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182004066263800	110182	---	---	1.5	<0.01	<1	24	<1.0	70	<1	<1	---	---
182019066285300	020360	---	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	3.0	<0.01	1	9.0	<1.0	30	<1	<1	---	---
182052066281600	012660	---	---	---	---	---	---	---	---	---	---	---	---
182104066281700	062877	28	---	---	---	---	---	---	---	---	---	---	---
182109066281700	052874	---	---	---	---	---	---	---	---	---	---	---	---
	070178	50	---	---	---	---	---	---	---	---	---	---	---
182155066231900	091659	---	---	---	---	---	---	---	---	---	---	---	---
182218066291000	110182	---	---	1.8	<0.01	1	16	<1.0	70	<1	<1	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182004066263800	110182	<3.0	<10	<10	<10	200	<6.0	5.0	10	5.0	<1	0.1	---
182019066285300	020360	---	---	---	---	---	---	---	---	---	---	---	---
	110182	<3.0	<10	<10	<10	150	<6.0	<4.0	10	4.0	<1	0.1	---
182052066281600	012660	---	---	---	---	---	---	---	---	---	---	---	---
182104066281700	062877	---	---	---	---	---	---	---	---	---	---	---	---
182109066281700	052874	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	20	---	---	---	---	---	---	---	---	---	---
182155066231900	091659	---	---	---	---	---	---	---	---	---	---	---	---
182218066291000	110182	<3.0	<10	<10	<10	140	<6.0	5.0	10	<4.0	<1	0.4	---



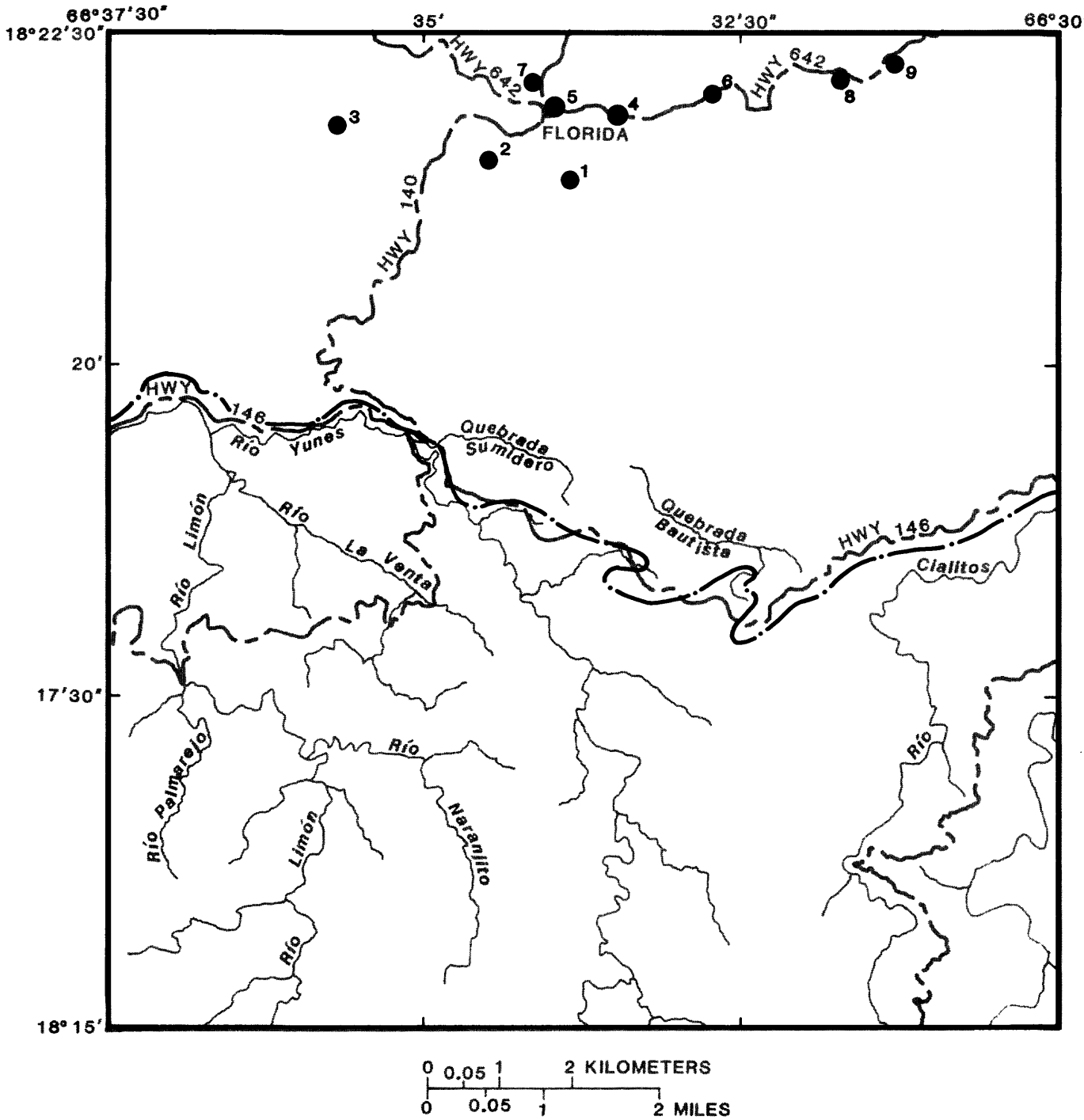
EXPLANATION

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Figure 10.--Location of selected wells and springs in the Corozal quadrangle.

Table 10. Identification of selected wells and springs in the Corozal quadrangle

SITE NUMBER	STATION NAME	STATION ID
	N O N E	



EXPLANATION

●[1] WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 11A.

Figure 11.--Location of selected wells and springs in the Florida quadrangle.

Table 11A. Identification of selected wells and springs in the Florida quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	FLORIDA-5 SELGA	182125066335000
2	FLORIDA-7 ALTURA	182133066342800
3	FLORIDA-3	182150066354000
4	FLORIDA-2 YANES	182152066333000
5	FLORIDA-4 GUAYO	182158066335700
6	FLORIDA-6	182203066324400
7	FLORIDA-1	182209066340600
8	MONTEBELLO-5	182212066314300
9	MONTEBELLO-2	182219066312000

Table 11B. Well completion and water-quality data for selected wells and springs in the Florida quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182125066335000	101075	300	100-300	Lares	PRASA	---	7.4	---	230	12	89	5.1
	070178				PRASA	---	7.3	---	250	0	79	0.0
	101780				PRASA	---	7.0	---	280	0	70	11
182133066342800	092678	350	190-350	Lares	PRASA	---	7.3	---	230	1	81	7.3
	101780				PRASA	---	7.5	---	260	0	75	14
182150066354000	070778	335	230-335	Lares	PRASA	---	7.5	---	220	10	91	0.0
	101780				PRASA	---	7.3	---	160	4	58	3.4
182152066333000	020669	350	80-350	Montebello/	PRASA	---	7.2	---	250	---	16	---
	070778			Lares	PRASA	---	7.6	---	230	8	95	1.3
	101780				PRASA	---	7.0	---	210	16	77	8.2
	090181				USGS	460	7.2	24.5	---	---	99	3.1
	090182				USGS	493	7.3	24.0	---	---	97	3.3
182158066335700	070178	400	100-400	Montebello/	PRASA	---	7.7	---	110	2	39	4.6
	101780			Lares	PRASA	---	7.6	---	260	0	77	14
182203066324400	031276	390	230-390	Montebello/	PRASA	---	7.5	---	260	10	100	3.9
	070178			Lares	PRASA	---	7.4	---	260	21	98	8.3
	101780				PRASA	---	7.0	---	280	0	96	7.1
182209066340600	070178	200	---	Montebello	PRASA	---	7.2	---	260	0	68	4.0
	101780				PRASA	---	7.1	---	270	0	95	6.2
	090181				USGS	544	7.0	25.0	---	---	100	5.7
	090182				USGS	590	6.9	24.5	---	---	100	5.8
182212066314300	021771	380	190-380	Montebello	PRASA	500	7.1	---	250	21	110	1.2
	101178				PRASA	---	7.7	---	250	8	100	1.8
	101780				PRASA	---	7.2	---	270	0	86	11
182219066312000	100677	215	123-215	Montebello	PRASA	---	7.5	---	250	---	---	---
	070178				PRASA	---	7.3	---	270	---	100	0.7
	101780				PRASA	---	7.6	---	270	0	85	14

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182125066335000	101075	---	---	---	280	---	---	18	0.02	---	298	---
	070178	40	---	1.1	310	---	2.0	17	0.00	11	324	---
	101780	42	---	0.4	350	---	0.0	12	0.00	3.8	335	---
182133066342800	092678	9.0	---	0.5	280	---	3.9	10	---	13	273	---
	101780	21	---	3.9	310	---	0.9	24	0.23	12	298	---
182150066354000	070778	6.2	---	1.2	270	---	2.1	13	0.12	4.0	264	---
	101780	9.4	---	0.5	190	---	0.0	12	0.02	3.8	217	---
182152066333000	020669	---	---	---	---	---	---	16	---	---	328	---
	070778	8.5	---	1.0	290	---	3.2	12	0.1	7.4	335	---
	101780	4.1	---	0.3	260	---	0.0	12	0.0	3.8	257	---
	090181	5.7	---	0.1	250	---	0.5	9.4	<0.1	3.9	---	---
	090182	5.8	---	0.3	240	---	3.0	11	0.1	3.8	---	---
182158066335700	070178	11	---	1.4	140	---	3.0	13	0.0	9.0	163	---
	101780	14	---	0.6	310	---	0.6	12	<0.1	7.9	296	---
182203066324400	031276	11	---	---	320	---	3.0	16	0.0	6.6	314	---
	070178	2.5	---	1.5	310	---	1.4	14	0.0	11	320	---
	101780	18	---	0.4	340	---	0.0	12	0.0	4.7	311	---
182209066340600	070178	48	---	3.0	320	---	4.0	18	0.0	13	313	---
	101780	21	---	2.2	330	---	4.6	22	0.0	5.4	304	---
	090181	11	---	1.9	260	---	4.5	20	0.1	5.5	---	---
	090182	14	---	2.5	270	---	6.0	22	0.1	5.7	---	---
182212066314300	021771	---	3	---	300	---	2.0	17	0.0	17	301	---
	101178	14	---	0.3	300	---	0.5	13	---	5.0	298	---
	101780	17	---	0.7	330	---	2.5	12	0.0	5.4	320	---
182219066312000	100677	---	---	---	---	---	---	12	---	---	303	---
	070178	20	---	1.2	320	---	1.7	16	0.2	7.6	314	---
	101780	15	---	0.5	330	---	0.0	14	0.0	4.7	312	---

Table 11B. Well completion and water-quality data for selected wells and springs in the Florida quadrangle (continued)

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182125066335000	101075	8.8	---	0.00	---	---	---	---	---	---	0.0	20	0
	070178	10	---	0.00	---	---	---	---	---	0.32	---	20	0
	101780	2.9	---	0.00	---	---	---	---	---	0.00	---	710	0
182133066342800	092678	6.5	---	0.00	---	---	---	---	---	0.05	---	450	<10
	101780	1.9	---	0.00	---	---	---	---	---	0.07	---	150	10
182150066354000	070778	6.7	---	0.00	---	---	---	---	---	0.05	---	400	0
	101780	9.4	---	0.00	---	---	---	---	---	0.00	---	70	0
182152066333000	020669	---	---	---	---	---	---	---	---	---	---	150	---
	070778	10	---	0.00	---	---	---	---	---	0.09	---	380	0
	101780	2.6	---	0.00	---	---	---	---	---	0.00	---	200	0
	090181	---	---	---	2.7	---	---	---	---	---	---	20	<10
	090182	---	---	---	2.8	---	---	---	---	0.01	---	14	<1
182158066335700	070178	6.6	---	0.00	---	---	---	---	---	0.06	---	90	0
	101780	2.5	---	0.00	---	---	---	---	---	0.07	---	200	10
182203066324400	031276	11	---	0.00	---	---	---	---	---	0.05	50	200	0
	070178	9.0	---	0.00	---	---	---	---	---	0.07	---	240	0
	101780	4.3	---	0.00	---	---	---	---	---	0.01	---	110	0
182209066340600	070178	6.8	---	0.00	---	---	---	---	---	0.08	---	40	0
	101780	2.6	---	0.00	---	---	---	---	---	0.07	---	170	0
	090181	---	---	---	2.9	---	---	---	---	---	---	10	<10
	090182	---	---	---	3.0	---	---	---	---	0.01	---	14	<1
182212066314300	021771	11	---	0.00	---	---	---	---	---	0.00	100	200	0
	101178	26	---	0.00	---	---	---	---	---	0.05	---	140	0
	101780	2.3	---	0.00	---	---	---	---	---	0.03	---	160	0
182219066312000	100677	---	---	---	---	---	---	---	---	---	0.0	---	0
	070178	11	---	6.0	---	---	---	---	---	0.10	---	80	0
	101780	2.6	---	0.00	---	---	---	---	---	0.00	0.0	60	0

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182125066335000	101075	25	---	---	---	---	---	---	---	---	---	---	---
	070178	30	---	---	---	---	---	---	---	---	---	---	---
	101780	55	---	---	---	---	0.0	---	---	0	0	---	---
182133066342800	092678	28	---	---	---	---	0.0	---	---	---	---	---	---
	101780	16	---	---	---	---	0.0	---	---	0	0	---	---
182150066354000	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	16	---	---	---	---	0.0	---	---	0	0	---	---
182152066333000	020669	---	---	---	---	---	---	---	---	---	---	---	---
	070778	12	---	---	---	---	---	---	---	---	---	---	---
	101780	41	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182158066335700	070178	8.0	---	---	---	---	---	---	---	---	---	---	---
	101780	12	---	---	---	---	0.0	---	---	0	0	---	---
182203066324400	031276	20	---	---	---	---	---	---	---	---	---	---	---
	070178	28	---	---	---	---	---	---	---	---	---	---	---
	101780	54	---	---	---	---	0.0	---	---	0	0	---	---
182209066340600	070178	---	---	---	---	---	---	---	---	---	---	---	---
	101780	47	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182212066314300	021771	20	---	---	---	---	---	---	---	---	---	---	---
	101178	10	---	---	---	---	0.0	---	---	---	---	---	---
	101780	33	---	---	---	---	0.0	---	---	0	0	---	---
182219066312000	100677	---	---	---	---	---	---	---	---	---	---	---	---
	070178	30	---	---	---	---	---	---	---	---	---	---	---
	101780	13	---	---	---	---	0.0	---	---	0	0	---	---

Table 11B. Well completion and water-quality data for selected wells and springs in the Florida quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182125066335000	101075	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	0	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	---
182133066342800	092678	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	---
182150066354000	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.4	---
182152066333000	020669	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.3	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182158066335700	070178	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.5	---
182203066324400	031276	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	1.3	---
182209066340600	070178	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	0	---	---	---	---	---	---	---	---	0.9	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182212066314300	021771	---	---	---	---	---	---	---	---	---	---	---	---
	101178	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.0	---
182219066312000	100677	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.5	---

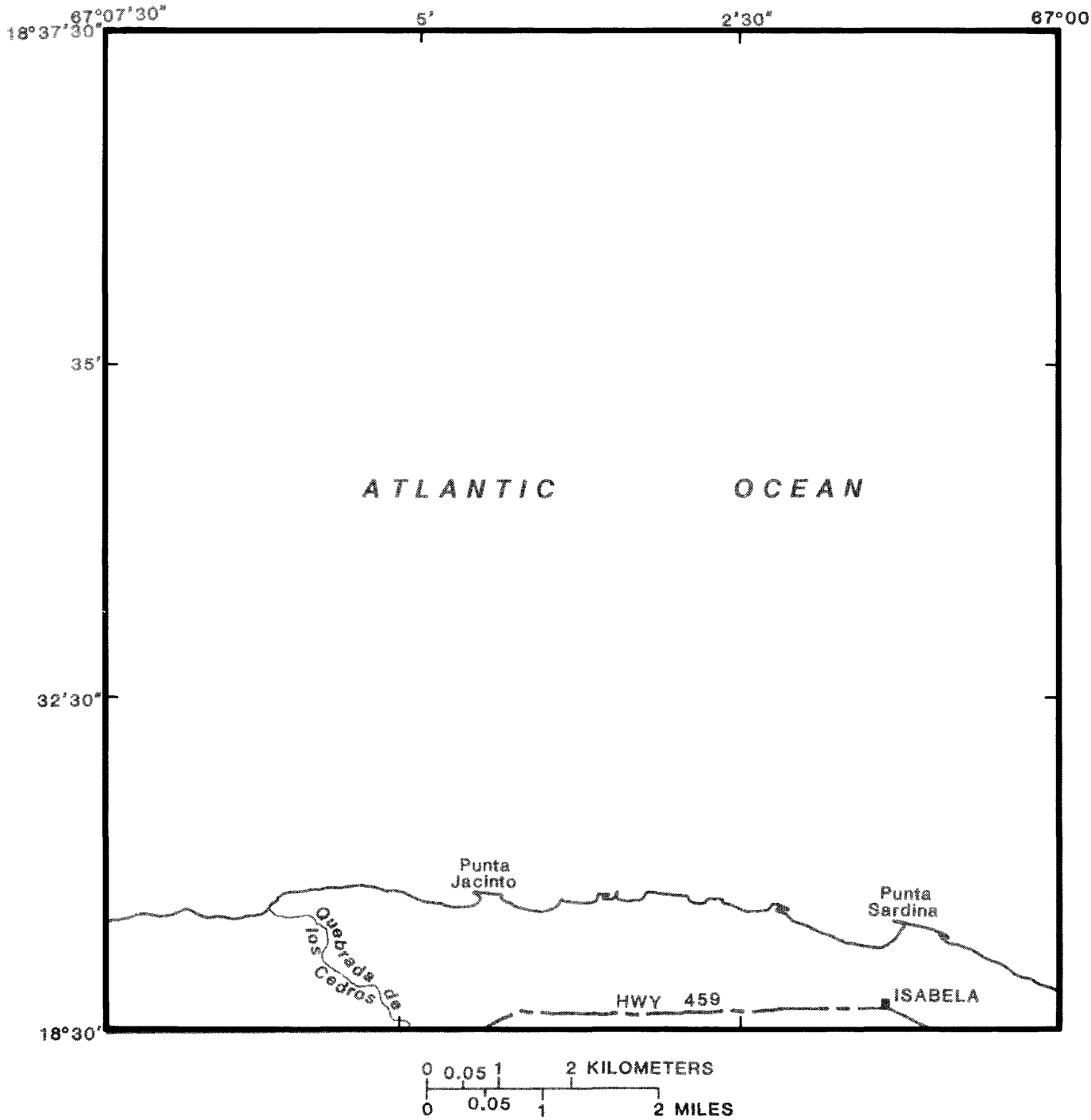
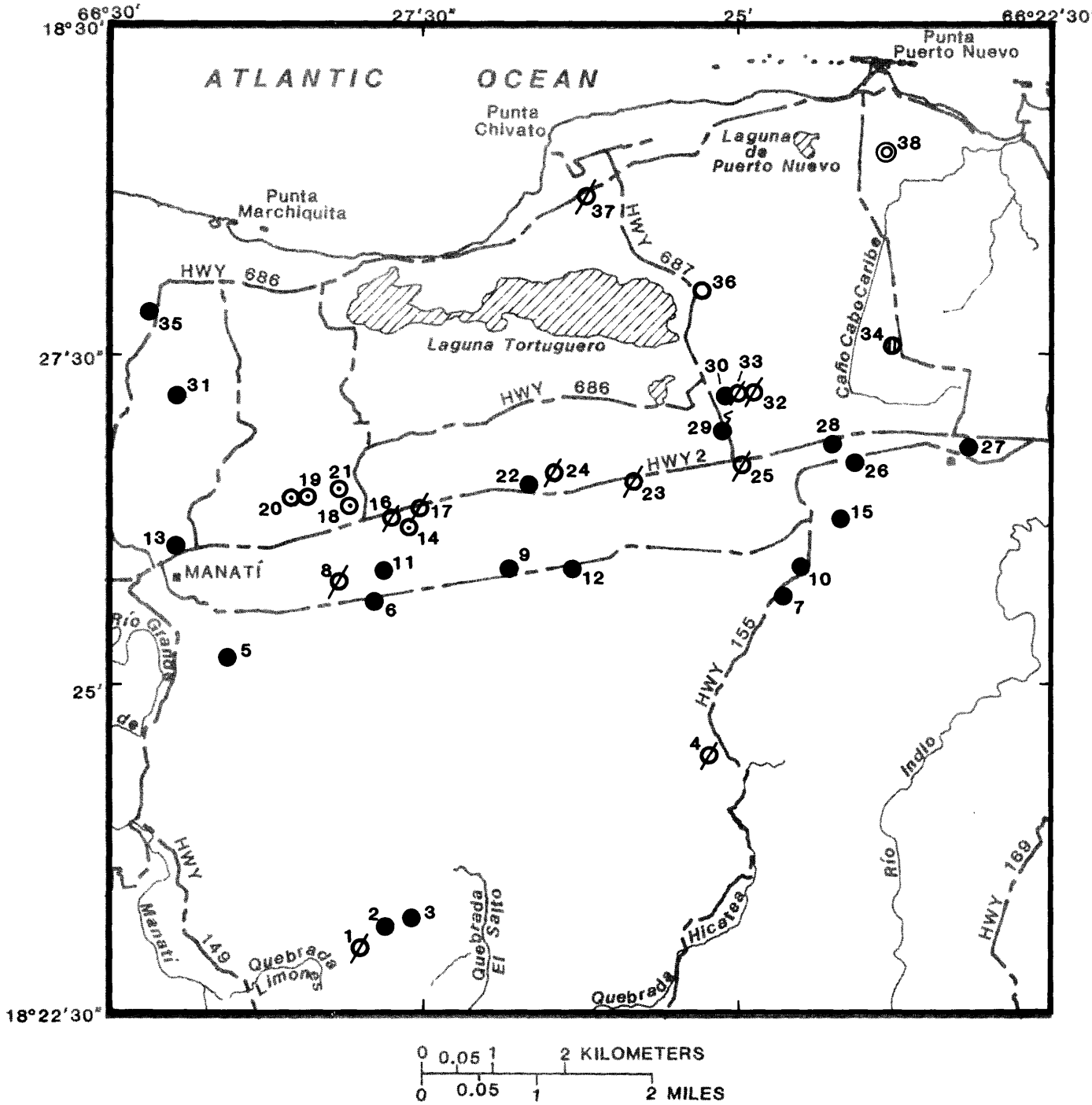


Figure 12.--Location of selected wells and springs in the Isabela quadrangle.

Table 12. Identification of selected wells and springs in the Isabela quadrangle

SITE NUMBER	STATION NAME	STATION ID
	N O N E	



EXPLANATION

- ●2 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ⊙18 WELL USED FOR INDUSTRIAL-WATER SUPPLY
- ◎38 WELL USED FOR IRRIGATION-WATER SUPPLY
- O36 PRIVATE-WATER SUPPLY WELL
- ◍34 TEST HOLE
- Ø1 ABANDONED WELL
- ●29 SPRING

Note: Site numbers are identified in table 13A.

Figure 13.--Location of selected wells and springs in the Manatí quadrangle.

Table 13A. Identification of selected wells and springs in the Manatí quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	RIO ARRIBA-1	182303066275900
2	RIO ARRIBA-3	182312066274800
3	RIO ARRIBA-2	182316066273600
4	UNKNOWN	182428066251200
5	MONACO	182514066290200
6	COTO SUR-1	182540066275400
7	PUGNADO AFUERA-2	182544066243800
8	MANATI-3	182549066281000
9	COTO SUR-2	182552066264700
10	PUGNADO AFUERA-1	182553066242801
11	COTO SUR-3	182554066274900
12	PUGNADO-3	182555066261800
13	PRASA OFFICE	182605066292500
14	UNKNOWN	182615066273500
15	ALTURAS VEGA BAJA	182616066241000
16	CIORDIA	182619066274200
17	COTO NORTE-1	182623066273200
18	SCHERING-2	182625066280500
19	NORTH-1	182627066282400
20	SOUTH-2	182627066282600
21	SCHERING	182629066280800
22	COTO NORTE-2	182630066263500
23	SOBRINO	182634066254800
24	COTO NORTE-3	182634066262500
25	CONCHA DESPIAL	182641066245700
26	CRIOLLO-3	182644066240400
27	CRIOLLO-1	182648066230902
28	CRIOLLO-2	182652066241500
29	OJO DE AGUA VEGA BAJA	182657066250600
30	TORTUGUERO-1	182714066250200
31	RABANOS	182714066292500
32	TORTUGUERO-3	182715066245600
33	TORTUGUERO-2	182715066245800
34	NC-9	182735066234300
35	BOQUILLAS	182752066293700
36	MOLINO ROJO-2	182801066251900
37	UNKNOWN	182846066261200
38	HILLTOP	182904066234700

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (UMHOS)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182303066275900	060955	200	35-200	Aguada/Cibao	USGS	---	7.1	---	---	---	---	---
	091972				PRASA	---	7.2	---	290	---	---	---
182312066274800	091972	250	180-220	Aguada	PRASA	600	7.2	---	320	0	116	0.0
	101780				PRASA	---	7.1	---	353	6	125	12
182316066273600	070178	300	240-300	Aguada	PRASA	---	7.1	---	333	36	57	55
	071578				PRASA	---	7.0	---	327	50	126	15
	101780				PRASA	---	6.9	---	348	0	90	30
182428066251200	062358	200	130-150	Aguada	PRASA	---	7.2	---	258	---	89	8.3
	011768				PRASA	485	7.4	---	260	---	88	9.8
182514066290200	091880	500	250-500	Aguada/Cibao	PRASA	---	7.5	---	271	0	69	21
	090181				USGS	540	6.9	25.0	---	---	83	16
	090182				USGS	545	6.9	25.0	---	---	83	16
182540066275400	100467	300	240-300	Aguada	PRASA	---	6.9	---	244	38	96	10
	100980				PRASA	---	7.5	---	248	21	100	4.5
182544066243800	071580	340	260-340	Aguada/Cibao	PRASA	---	7.7	---	255	0	69	6.4
182549066281000	100980	---	---	---	PRASA	---	7.5	---	281	43	102	17
182552066264700	102871	390	---	Aymamon/	PRASA	617	7.3	---	242	0	88	2.9
	100980			Aguada	PRASA	---	7.4	---	205	19	87	1.8
182553066242801	051078	300	130-300	Aguada/Cibao	PRASA	---	7.3	---	234	48	98	6.8
	040981				PRASA	---	7.2	---	206	---	69	5.0
182554066274900	100980	215	143-215	Aguada	PRASA	---	7.4	---	235	61	109	5.7
182555066261800	071580	495	288-492	Aguada/Cibao	PRASA	---	7.7	---	255	---	69	6.0
	090181				USGS	510	7.5	25.0	---	---	84	12
	090182				USGS	533	7.2	25.0	---	---	84	12
182605066292500	012369	200	130-200	Aguada	PRASA	---	7.7	---	240	38	97	9.0
	081379				PRASA	---	8.1	---	168	32	74	3.8
	100980				PRASA	---	7.5	---	324	---	---	---
	090181				USGS	672	7.2	26.5	---	---	110	16
	090182				USGS	745	7.2	27.0	---	---	100	15
182615066273500	080174	255	190-240	Aymamon	OWNER	---	4.5	---	21	---	65	17
182616066241000	040981	---	---	---	PRASA	---	7.8	---	209	---	76	7.0
182619066274200	091567	257	230-250	Aymamon	PRASA	---	7.1	---	232	38	94	9.0
182623066273200	110160	215	143-215	Aymamon	USGS	---	7.3	---	280	---	84	17
	100980				PRASA	---	7.5	---	240	124	118	17
	070681				PRASA	---	7.8	---	197	---	112	21
	090181				USGS	1720	7.1	25.5	---	---	130	15
	090182				USGS	1550	7.0	25.0	---	---	110	15
182625066280500	020978	305	---	Blanket sand/ Aymamon	OWNER	1000	7.2	---	360	---	320	40
182627066282400	022878	---	---	---	OWNER	---	6.2	---	221	---	14	5.6
182627066282600	022878	---	---	---	OWNER	---	6.5	---	210	---	11	5.3
182629066280800	020978	307	---	Blanket sand/ Aymamon	OWNER	230	7.4	---	290	---	265	25
182630066263500	062778	495	255-455	Aguada	PRASA	---	7.1	---	223	---	87	10
	071080				PRASA	---	7.8	---	235	0	66	6.3
	081280				PRASA	---	7.4	---	234	16	76	16
	091080				PRASA	---	7.5	---	243	8	40	6.2
182634066254800	092082	---	---	---	PRASA	---	6.6	---	238	---	68	16
182634066262500	071080	495	255-455	Aguada/Cibao	PRASA	---	7.8	---	191	---	---	---
	091080				PRASA	---	7.4	---	251	---	---	---
182641066245700	050163	82	62-82	Blanket sand/ Aymamon	USGS	335	7.9	---	215	---	81	3.2
182644066240400	020570	140	---	Aymamon/	PRASA	---	6.8	---	306	---	---	---
	070778			Aguada	PRASA	---	7.7	---	269	---	---	---
	101780				PRASA	---	7.3	---	242	44	83	19
	090381				PRASA	---	7.2	---	210	---	99	10
182648066230902	091059	49	49	Aymamon/ Aguada	PRASA	---	7.2	---	403	---	112	30
	070778	120	88-120	Aguada	PRASA	---	7.6	---	225	96	109	12
	101880				PRASA	---	7.0	---	251	155	111	31
	040981				PRASA	---	7.2	---	221	---	111	19
182652066241500	070778	120	88-120	Aguada	USGS	---	7.7	---	215	55	101	4.1
	101880				PRASA	---	8.0	---	240	81	103	16
	030981				PRASA	---	7.4	---	207	---	97	6.0
182657066250600	090181	SPRING	---	---	USGS	828	6.8	26.5	---	---	111	10
	090182				USGS	836	6.8	25.5	---	---	120	9.3
	110182				USGS	860	6.8	24.5	310	57	110	9.5
182714066250200	022551	155	78-155	Aymamon	USGS	588	7.2	27.0	222	---	75	8.5
	030751				USGS	599	7.6	---	232	---	78	9.2
	031753				USGS	629	7.2	25.5	238	---	80	9.2
	070180				PRASA	---	7.7	---	179	20	36	26
182714066292500	121779	160	100-160	Aymamon	PRASA	---	7.5	---	211	71	89	14
182715066245600	030751	176	---	Blanket sand/	USGS	819	7.6	---	248	---	73	16
	022552			Aymamon	USGS	876	7.3	27.0	258	---	77	16
	031753				USGS	824	7.1	25.5	258	---	77	16
	030954				USGS	950	7.5	25.5	274	---	82	17
	032555				USGS	1020	7.8	27.0	288	---	84	19
	070180				PRASA	---	7.8	---	134	123	71	19
182715066245800	030751	155	72-148	Aymamon	USGS	600	7.6	---	252	---	81	12
	022552				USGS	693	7.3	27.0	268	---	86	13
	031753				USGS	672	7.3	25.5	258	---	82	13
	070180				PRASA	---	7.8	---	151	47	45	21

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (UMHOS)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182735066234300	121286	1538	* 56	Aymamon	USGS	1000	7.70	25.0	350	---	110	18.0
	121586		* 196	Aymamon	USGS	9500	7.80	25.0	---	---	---	---
	121586		* 256	Aymamon	USGS	37900	7.50	25.0	5100	---	420	980
	121586		* 576	Aguada	USGS	47000	7.50	25.0	6000	---	430	1200
	121686		* 756	Aguada	USGS	46000	7.50	25.0	---	---	---	---
	121886		*1216	Cibao undiff.	USGS	750	7.38	27.5	280	---	61.0	29.0
	091687		*1508	Lares	USGS	1600	7.50	25.0	350	---	64.0	44.0
182752066293700	042578	132	40-132	Aymamon	PRASA	---	7.2	---	273	52	104	16
	101780				PRASA	---	7.3	---	255	55	78	28
	070681				PRASA	---	7.8	---	224	---	83	18
	090181				USGS	826	7.7	27.0	---	---	98	20
	090182				USGS	885	6.9	26.5	---	---	95	20
182801066251900	050163	77	35-77	Aymamon	USGS	3670	8.3	---	515	---	114	56
182846066261200	050163	50	---	Aymamon	USGS	1810	7.8	---	456	---	112	43
182904066234700	043063	---	---	---	USGS	2520	7.7	---	430	---	108	39

Table 13B. Well completion and water-quality data for selected wells and springs in the Manati quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182303066275900	060955	---	---	---	289	---	---	24	---	---	---	---
	091972	---	---	---	---	---	---	28	---	---	486	---
182312066274800	091972	53	---	---	390	---	42	28	0.11	9.0	486	---
	101780	35	---	1.4	431	---	32	31	0.0	12	462	---
182316066273600	070178	22	---	2.7	407	---	37	30	0.19	11	449	---
	071578	24	---	2.8	399	---	35	37	0.0	15	455	---
	101780	44	---	1.3	424	---	37	35	0.0	13	432	---
182428066251200	062358	---	3.4	---	273	---	7.6	21	0.0	10	---	---
	011768	---	7.8	---	302	---	2.0	18	0.1	6.2	---	---
182514066290200	091880	26	---	---	331	---	18	16	0.0	14	335	---
	090181	13	---	0.9	252	---	7.8	20	0.1	8.5	---	---
	090182	12	---	1.0	243	---	7.0	20	0.1	8.3	---	---
182540066275400	100467	10	---	---	298	---	4.0	30	0.0	12	421	---
	100980	18	---	0.85	303	---	1.5	21	0.0	9.0	335	---
182544066243800	071580	---	---	---	311	---	4.5	28	0.0	5.5	419	---
182549066281000	100980	52	---	1.6	343	---	17	55	0.0	20	459	---
182552066264700	102871	25	---	---	295	---	1.0	16	0.0	8.6	303	---
	100980	12	---	0.69	250	---	0.0	16	0.0	12	297	---
182553066242801	051078	34	---	2.1	273	---	10	66	0.0	0.0	422	---
	040981	62	---	1.6	---	---	11	68	0.1	7.0	419	---
182454066274900	100980	25	---	1.0	287	---	7.4	62	0.0	10	485	---
182555066261800	071580	54	---	0.9	---	---	4.0	28	0.0	5.0	419	---
	090181	8.5	---	0.6	230	---	3.6	15	0.1	6.7	---	---
	090182	9.0	---	0.86	212	---	4.0	14	0.1	7.0	---	---
182605066292500	012369	23	---	---	293	---	15	50	0.0	20	391	---
	081379	5.0	---	0.4	205	---	16	16	---	11	264	---
	100980	---	---	---	---	---	---	55	---	---	459	---
	090181	30	---	1.3	268	---	3.4	52	<0.1	17	---	---
	090182	33	---	1.5	254	---	17	61	0.1	17	---	---
182615066273500	080174	---	---	---	---	---	---	43	---	---	319	---
182616066241000	040981	85	---	3.6	---	---	25	118	0.2	7.0	443	---
182619066274200	091567	21	---	---	283	---	10	45	0.0	9.0	405	---
182623066273200	110160	---	23	---	271	---	10	65	0.2	27	---	---
	100980	155	---	3.3	253	---	32	292	0.0	9.0	901	---
	070681	216	---	3.8	---	---	41	406	0.2	8.0	124	---
	090181	180	---	2.8	217	---	35	370	<0.1	7.7	---	---
	090182	190	---	3.0	225	---	35	300	0.1	7.5	---	---
182625066280500	020978	85	---	---	272	---	<5.0	194	---	8.0	600	---
182627066282400	022878	---	---	---	---	---	135	0.0	<0.2	6.8	425	---
182627066282600	022878	---	---	---	---	---	200	0.0	<0.2	11	571	---
182629066280800	020978	68	---	---	264	---	<5.0	138	---	8.0	510	---
182630066263500	062778	12	---	3.1	---	---	10	29	0.0	9.0	341	---
	071080	---	---	---	287	---	2.8	15	0.0	3.7	329	---
	081280	19	---	0.93	286	---	2.2	15	0.2	9.0	360	---
	091080	21	---	2.2	296	---	9.3	21	0.0	10	320	---
182634066254800	092082	27	---	3.9	---	---	11	23	0.0	9.0	---	---
182634066262500	071080	---	---	---	---	---	---	15	---	---	329	---
	091080	---	---	---	---	---	---	21	---	---	320	---
182641066245700	050163	---	24	---	256	---	2.0	28	0.0	9.0	---	---
182644066240400	020570	---	---	---	---	---	---	175	---	---	631	---
	070778	---	---	---	---	---	---	88	---	---	444	---
	101780	49	---	1.4	296	---	13	83	0.0	7.9	474	---
	090381	96	---	3.0	---	---	21	178	0.2	7.0	577	---
182648066230900	091059	---	61	---	293	---	31	187	0.0	9.0	---	---
	070778	98	---	6.3	275	---	28	193	0.04	9.6	723	---
	101880	121	---	3.5	306	---	38	263	0.0	12	834	---
	040981	119	---	3.5	---	---	36	253	0.2	13	819	---
182652066241500	070778	47	---	3.3	262	---	13	88	0.04	8.4	444	---
	101880	111	---	3.1	296	---	26	200	0.0	9.3	---	---
	030981	40	---	1.5	---	---	12	82	0.2	6.0	386	---
182657066250600	090181	40	---	2.5	256	---	19	93	<0.1	8.6	---	---
	090182	45	---	2.4	253	---	18	96	0.1	9.5	---	---
	110182	48	---	2.4	---	---	15	88	0.1	9.0	437	---
182714066250200	022551	---	34	---	237	---	9.4	64	0.1	8.8	---	---
	030751	---	31	---	243	---	9.5	64	0.0	14	---	---
	031753	---	34	---	236	---	9.3	76	0.0	10	---	---
	070180	60	---	1.5	219	---	16	96	0.16	9.5	413	---
182714066292500	121779	52	---	2.5	257	---	20	112	0.11	19	491	---
182715066245600	030751	---	70	---	221	---	22	138	0.0	13	---	---
	022552	---	75	---	224	---	19	153	0.0	8.4	---	---
	031753	---	64	---	230	---	17	134	0.0	10	---	---
	030954	---	82	---	235	---	20	168	0.0	10	---	---
	032555	---	92	---	226	---	23	196	0.1	13	---	---
	070180	160	---	3.8	163	---	31	316	0.37	9.0	777	---
182715066245800	030751	---	38	---	262	---	14	74	0.0	12	---	---
	022552	---	36	---	266	---	12	80	0.1	9.0	---	---
	031753	---	36	---	260	---	12	78	0.0	9.8	---	---
	070180	66	---	1.5	184	---	15	126	0.18	9.5	433	---

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182735066234300	121286	86.0	---	3.70	163	1.00	31.0	210	<0.100	12.0	570	---
	121586	---	---	50.0	208	<0.500	470	3200	<0.100	---	---	---
	121586	9700	---	320	127	<0.500	2400	17000	0.200	6.60	2770	---
	121586	10000	---	370	109	<0.500	2800	19000	0.400	5.60	37100	---
	121686	---	---	380	112	<0.500	3000	22000	0.200	---	37200	---
	121886	51.0	---	10.0	257	<0.500	15.0	86.0	0.500	14.0	430	---
	091687	200	---	16.0	265	---	54.0	350	0.500	14.0	910	---
182752066293700	042578	37	---	3.5	333	---	24	76	0.0	12	473	---
	101780	69	---	3.0	311	---	19	122	<0.1	21	500	---
	070681	62	---	2.8	---	---	19	116	0.3	20	558	---
	090181	53	---	2.1	120	---	11	120	<0.1	18	---	---
	090182	54	---	2.6	237	---	19	100	0.1	19	---	---
182801066251900	050163	---	579	---	252	---	96	1040	0.1	8.9	---	---
182846066261200	050163	---	194	---	298	---	65	400	0.1	8.4	---	---
182904066234700	043063	---	386	---	488	---	120	525	0.2	15	---	---

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS ND2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182303066275900	060955	---	---	---	---	---	---	---	---	---	---	---	---
	091972	---	---	---	---	---	---	---	---	---	---	80	0.0
182312066274800	091972	4.5	---	0.01	---	---	---	---	---	0.0	0.0	80	0.0
	101780	2.4	---	0.0	---	---	---	---	---	0.0	---	130	0.0
182316066273600	070178	7.7	---	0.0	---	---	---	---	---	0.0	---	80	0.0
	071578	6.1	---	0.00	---	---	---	---	---	0.05	---	260	0.0
	101780	1.9	---	0.00	---	---	---	---	---	0.04	---	170	0.0
182428066251200	062358	4.6	---	---	---	---	---	---	---	---	---	---	---
	011768	2.2	---	---	---	---	---	---	---	---	---	---	---
182514066290200	091880	1.1	---	0.0	---	---	---	---	---	0.03	---	580	0.0
	090181	---	---	---	4.7	---	---	---	---	---	---	50	0.01
	090182	---	---	---	5.1	---	---	---	---	---	---	17	0.00
182540066275400	100467	15	---	0.0	---	---	---	---	---	0.0	0.0	0.0	0.0
	100980	8.4	---	0.0	---	---	---	---	---	0.02	---	380	0.08
182544066243800	071580	5.5	---	0.0	---	---	---	---	---	0.03	---	80	0.0
182549066281000	100980	5.9	---	0.0	---	---	---	---	---	0.09	---	210	0.03
182552066264700	102871	29	---	0.0	---	---	---	---	---	0.0	0.0	20	0.0
	100980	6.7	---	0.04	---	---	---	---	---	0.02	---	60	0.03
182553066242801	051078	26	---	0.0	---	---	---	---	---	0.06	---	130	0.0
	040981	4.6	---	---	---	---	---	---	---	---	---	0.0	0.0
182454066274900	100980	6.2	---	0.0	---	---	---	---	---	0.03	---	60	0.02
182555066261800	071580	5.5	---	---	---	---	---	---	---	---	---	80	0.0
	090181	---	---	---	12	---	---	---	---	---	---	20	<0.01
	090182	---	---	---	19	---	---	---	---	0.06	---	<3.0	0.00
182605066292500	012369	3.5	---	0.00	---	---	---	---	---	0.06	0.0	100	0.0
	081379	5.6	---	0.0	---	---	---	---	---	0.03	---	200	0.0
	100980	---	---	---	---	---	---	---	---	---	---	210	0.03
	090181	---	---	---	6.0	---	---	---	---	---	---	10	0.01
	090182	---	---	---	6.5	---	---	---	---	0.27	---	<3.0	0.00
182615066273500	080174	---	---	---	---	---	---	---	---	---	---	---	---
182616066241000	040981	2.3	---	---	---	---	---	---	---	---	---	0.0	0.0
182619066274200	091567	0.8	---	0.0	---	---	---	---	---	0.2	0.0	0.0	0.0
182623066273200	110160	6.6	---	---	---	---	---	---	---	---	---	---	---
	100980	5.5	---	0.00	---	---	---	---	---	0.03	---	70	0.01
	07D681	7.3	---	---	---	---	---	---	---	---	---	0.0	0.02
	090181	---	---	---	8.8	---	---	---	---	---	---	30	<0.01
	090182	---	---	---	16	---	---	---	---	0.01	---	9.0	0.00
182625066280500	020978	20	---	---	---	---	---	---	---	0.05	---	100	---
182627066282400	022878	0.2	---	---	---	---	---	---	<0.05	---	---	<100	<0.01
182627066282600	022878	0.27	---	---	---	---	---	---	0.15	---	---	2500	0.05
182629066280800	020978	15	---	---	---	---	---	---	---	0.05	---	100	---
182630066263500	062778	---	---	---	---	---	---	---	---	---	---	80	0.0
	071080	7.8	---	0.00	---	---	---	---	---	0.03	---	150	0.0
	081280	9.7	---	0.00	---	---	---	---	---	0.0	---	100	0.0
	091080	4.6	---	0.00	---	---	---	---	---	0.18	---	130	0.02
182634066254800	092082	3.9	---	---	---	---	---	---	---	---	---	0.0	0.0
182634066262500	071080	---	---	---	---	---	---	---	---	---	---	150	0.0
	091080	---	---	---	---	---	---	---	---	---	---	130	0.02
182641066245700	050163	19	---	---	---	---	---	---	---	---	---	---	---
182644066240400	020570	---	---	---	---	---	---	---	---	---	---	0.0	0.0
	070778	---	---	---	---	---	---	---	---	---	---	200	0.0
	101780	6.0	---	0.0	---	---	---	---	---	0.04	---	230	0.0
	090381	4.8	---	---	---	---	---	---	---	---	---	120	0.0
182648066230900	091059	0.3	---	---	---	---	---	---	---	---	---	---	---
	070778	21	---	0.0	---	---	---	---	---	0.1	---	180	0.0
	101880	2.9	---	0.0	---	---	---	---	---	0.0	---	140	0.0
	040981	2.3	---	---	---	---	---	---	---	---	---	0.0	0.01
182652066241500	070778	30	---	0.0	---	---	---	---	---	0.06	---	200	0.0
	030981	5.7	---	---	---	---	---	---	---	---	---	0.0	0.01
	101880	5.5	---	0.0	---	---	---	---	---	0.0	---	140	0.01
182657066250600	090181	---	---	---	5.2	---	---	---	---	---	---	3.0	0.00
	090182	---	---	---	5.8	---	---	---	---	---	---	6.0	0.00
	110182	---	---	<0.01	5.6	0.15	0.3	---	---	0.02	---	<3.0	0.00
182714066250200	022551	0.2	---	---	---	---	---	---	---	---	---	---	---
	030751	0.5	---	---	---	---	---	---	---	---	---	---	---
	031753	0.5	---	---	---	---	---	---	---	---	---	---	---
	070180	0.41	---	0.0	---	---	---	---	---	0.01	---	30	0.0
182714066292500	121779	2.4	---	0.00	---	---	---	---	---	0.0	120	170	0.01
182715066245600	030751	1.5	---	---	---	---	---	---	---	---	---	---	---
	022552	1.5	---	---	---	---	---	---	---	---	---	---	---
	031753	3.5	---	---	---	---	---	---	---	---	---	---	---
	030954	3.8	---	---	---	---	---	---	---	---	---	---	---
	032555	2.5	---	---	---	---	---	---	---	---	---	---	---
	070180	0.21	---	0.0	---	---	---	---	---	0.03	---	20	0.0
182715066245800	030751	1.5	---	---	---	---	---	---	---	---	---	---	---
	022552	2.0	---	---	---	---	---	---	---	---	---	---	---
	031753	2.0	---	---	---	---	---	---	---	---	---	---	---
	070180	0.03	---	0.0	---	---	---	---	---	0.02	---	40	0.0

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182735066234300	121286	---	---	---	3.60	0.050	---	0.500	<0.010	---	6.0	---	10.0
	121586	---	---	---	2.40	0.090	---	0.200	<0.010	---	---	---	---
	121586	---	---	---	<0.100	0.400	---	0.400	<0.010	---	360	---	73.0
	121586	---	---	---	<0.100	0.660	---	0.500	<0.010	---	420	---	45.0
	121686	---	---	---	<0.100	0.520	---	0.800	<0.010	---	---	---	---
	121886	---	---	---	<0.100	0.080	---	0.400	<0.010	---	1300	---	18.0
	091687	---	---	---	0.100	---	---	---	---	---	310	---	6.0
182752066293700	042578	7.4	---	0.0	---	---	---	---	---	0.06	---	50	0.0
	101780	4.8	---	0.0	---	---	---	---	---	0.09	---	140	0.0
	070681	3.6	---	---	---	---	---	---	---	---	---	0.0	0.0
	090181	---	---	---	4.0	---	---	---	---	---	---	<10	<0.01
	090182	---	---	---	4.5	---	---	---	---	---	---	<3.0	0.0
182801066251900	050163	0.2	---	---	---	---	---	---	---	---	---	---	---
182846066261200	050163	3.4	---	---	---	---	---	---	---	---	---	---	---
182904066234700	043063	5.0	---	---	---	---	---	---	---	---	---	---	---

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182303066275900	060955	---	---	---	---	---	---	---	---	---	---	---	---
	091972	---	---	---	---	---	---	---	---	---	---	---	---
182312066274800	091972	40	---	---	---	---	---	---	---	---	---	---	---
	101780	56	---	---	---	---	0.0	---	---	0.0	0.0	---	---
182316066273600	070178	65	---	---	---	---	---	---	---	---	---	---	---
	071578	80	---	---	---	---	---	---	---	---	---	---	---
	101780	76	---	---	---	---	0.0	---	---	0.0	5.5	---	---
182428066251200	062358	---	---	---	---	---	---	---	---	---	---	---	---
	011768	---	---	---	---	---	---	---	---	---	---	---	---
182514066290200	091880	---	---	---	---	---	---	---	---	0.0	0.0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182540066275400	100467	17	---	---	---	---	---	---	---	---	---	---	---
	100980	15	---	---	---	---	---	---	---	---	---	---	---
182544066243800	071580	---	---	---	---	---	---	---	---	---	---	---	---
182549066281000	100980	18	---	---	---	---	---	---	---	0.0	0.0	---	---
182552066264700	102871	23	---	---	---	---	---	---	---	---	---	---	---
	100980	16	---	---	---	---	---	---	---	0.0	0.0	---	---
182553066242B01	051078	28	---	---	---	---	---	---	---	---	---	---	---
	040981	---	---	---	---	---	---	---	---	---	---	---	---
182454066274900	100980	18	---	---	---	---	---	---	---	0.0	1.0	---	---
182555066261800	071580	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182605066292500	012369	39	---	---	---	---	---	---	---	---	---	---	---
	081379	2.0	---	---	---	---	---	---	---	5.0	<10	---	---
	100980	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182615066273500	080174	---	---	---	---	---	---	---	---	---	---	---	---
182616066241000	040981	---	---	---	---	---	---	---	---	---	---	---	---
182619066274200	091567	35	---	---	---	---	---	---	---	---	---	---	---
182623066273200	110160	---	---	---	---	---	---	---	---	---	---	---	---
	100980	15	---	---	---	---	---	---	---	0.0	0.0	---	---
	070681	---	0.0	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182625066280500	020978	---	---	---	---	---	---	---	---	---	---	---	---
182627066282400	022878	---	2.5	---	<0.1	<100	<100	---	---	10	<100	---	---
182627066282600	022878	---	5.0	---	<0.1	<100	<100	---	---	10	<100	---	---
182629066280800	020978	---	---	---	---	---	---	---	---	---	---	---	---
182630066263500	062778	---	---	---	---	---	---	---	---	---	---	---	---
	071080	---	---	---	---	---	---	---	---	---	---	---	---
	081280	15	---	---	---	---	---	---	---	---	---	---	---
	091080	15	---	---	---	---	---	---	---	0.0	0.0	---	---
182634066254800	092082	---	---	---	---	---	---	---	---	---	---	---	---
182634066262500	071080	---	---	---	---	---	---	---	---	---	---	---	---
	091080	---	---	---	---	---	---	---	---	---	---	---	---
182641066245700	050163	---	---	---	---	---	---	---	---	---	---	---	---
182644066240400	020570	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	24	---	---	---	---	0.0	---	---	0.0	0.0	---	---
	090381	---	---	---	---	---	---	---	---	---	---	---	---
182648066230900	091059	---	---	---	---	---	---	---	---	---	---	---	---
	070778	11	---	---	---	---	---	---	---	---	---	---	---
	101880	49	---	---	---	---	0.0	---	---	0.0	0.0	---	---
	040981	---	---	---	---	---	---	---	---	---	---	---	---
182652066241500	070778	3.4	---	---	---	---	---	---	---	---	---	---	---
	101880	4.7	---	---	---	---	0.0	---	---	0.0	0.0	---	---
	030981	---	---	---	---	---	---	---	---	---	---	---	---
182657066250600	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	2.2	<0.01	1.0	41	<1.0	0.03	<1.0	<1.0	---	---
182714066250200	022551	---	---	---	---	---	---	---	---	---	---	---	---
	030751	---	---	---	---	---	---	---	---	---	---	---	---
	031753	---	---	---	---	---	---	---	---	---	---	---	---
	070180	8.1	---	---	---	---	---	---	---	---	---	---	---
182714066292500	121779	13	---	---	---	---	0.0	---	---	0.0	0.0	---	---
182715066245600	030751	---	---	---	---	---	---	---	---	---	---	---	---
	022552	---	---	---	---	---	---	---	---	---	---	---	---
	031753	---	---	---	---	---	---	---	---	---	---	---	---
	030954	---	---	---	---	---	---	---	---	---	---	---	---
	032555	---	---	---	---	---	---	---	---	---	---	---	---
	070180	4.1	---	---	---	---	---	---	---	---	---	---	---
182715066245800	030751	---	---	---	---	---	---	---	---	---	---	---	---
	022552	---	---	---	---	---	---	---	---	---	---	---	---
	031753	---	---	---	---	---	---	---	---	---	---	---	---
	070180	4.6	---	---	---	---	---	---	---	---	---	---	---

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182735066234300	121286	---	---	1.60	---	<1.00	78.0	<0.500	40.0	<1.00	---	0.013	---
	121586	---	---	0.300	---	<1.00	---	---	480	---	---	<0.001	---
	121586	---	31.0	---	---	<1.00	38.0	<2.00	4200	3.00	---	0.110	---
	121586	---	20.0	---	---	<1.00	33.0	<2.00	4900	4.00	---	<0.001	---
	121686	---	---	0.200	---	2.00	---	---	4800	---	---	0.057	---
	121886	---	---	0.300	---	1.00	44.0	<0.500	80.0	1.00	---	0.021	---
	091687	---	---	---	---	6.00	43.0	<0.500	140	<1.00	---	0.100	---
182752066293700	042578	40	---	---	---	---	---	---	---	---	---	---	---
	101780	28	---	---	---	---	0.0	---	---	0.0	0.0	---	---
	070681	---	---	---	---	---	---	---	---	---	---	---	---
	091081	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182801066251900	050163	---	---	---	---	---	---	---	---	---	---	---	---
182846066261200	050163	---	---	---	---	---	---	---	---	---	---	---	---
182904066234700	043063	---	---	---	---	---	---	---	---	---	---	---	---

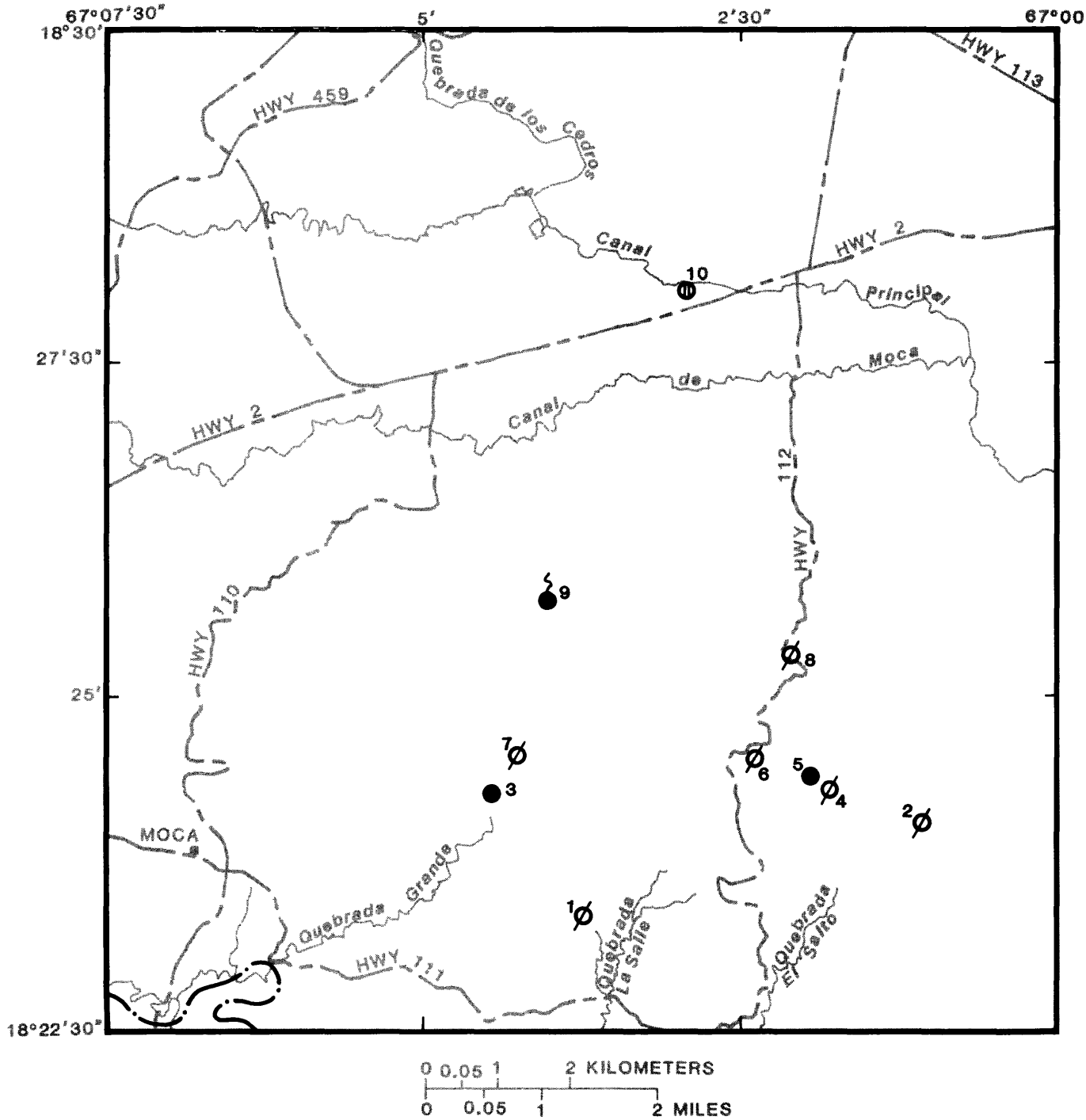
Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NIUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182303066275900	060955	---	---	---	---	---	---	---	---	---	---	---	---
	091972	---	---	---	---	---	---	---	---	---	---	---	---
182312066274800	091972	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0.0	---	---	---	---	---	---	---	0.3	0.0
182316066273600	070178	---	---	---	---	---	---	---	---	---	---	---	---
	071578	---	0.02	---	---	---	---	0.0	---	---	---	---	---
	101780	---	---	0.0	---	---	---	---	---	---	---	0.4	0.0
182428066251200	062358	---	---	---	---	---	---	---	---	---	---	---	---
	011768	---	---	---	---	---	---	---	---	---	---	---	---
182514066290200	091880	---	---	0.0	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182540066275400	100467	---	---	---	---	---	---	---	---	---	---	---	---
	100980	---	0.0	0.0	---	---	---	---	---	---	---	0.3	0.0
182544066243800	071580	---	---	---	---	---	---	---	---	---	---	---	---
182549066281000	100980	---	0.01	0.0	---	---	---	---	---	---	---	0.8	0.0
182552066264700	102871	---	---	---	---	---	---	---	---	---	---	---	---
	100980	---	0.0	0.0	---	---	---	---	---	---	---	0.0	0.0
182553066242801	051078	---	0.0	---	---	---	---	---	---	---	---	---	---
	040981	---	---	---	---	---	---	---	---	---	---	---	---
182454066274900	100980	---	0.01	0.0	---	---	---	---	---	---	---	0.2	0.0
182555066261800	071580	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182605066292500	012369	---	---	---	---	---	---	---	---	---	---	---	---
	081379	---	---	0.0	---	---	---	---	---	---	---	---	---
	100980	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182615066273500	080174	---	---	---	---	---	---	14	---	---	---	---	---
182616066241000	040981	---	---	---	---	---	---	---	---	---	---	---	---
182619066274200	091567	---	---	---	---	---	---	---	---	---	---	---	---
182623066273200	110160	---	---	---	---	---	---	---	---	---	---	---	---
	100980	---	0.01	0.0	---	---	---	---	---	---	---	0.0	0.01
	070681	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182625066280500	020978	---	0.05	---	---	---	---	50	---	---	---	---	---
182627066282400	022878	---	<0.1	<0.1	---	---	---	<10	---	---	10	130	<0.1
182627066282600	022878	---	<0.1	<0.1	---	---	---	<10	---	---	8.0	130	<0.1
182629066280800	020978	---	0.05	---	---	---	---	150	---	---	---	---	---
182630066263500	062778	---	---	---	---	---	---	---	---	---	---	---	---
	071080	---	---	---	---	---	---	---	---	---	---	---	---
	081280	---	---	---	---	---	---	---	---	---	---	0.0	---
	091080	---	0.02	0.0	---	---	---	---	---	---	---	0.0	0.0
182634066254800	092082	---	---	---	---	---	---	---	---	---	---	---	---
182634066262500	071080	---	---	---	---	---	---	---	---	---	---	---	---
	091080	---	---	---	---	---	---	---	---	---	---	---	---
182641066245700	050163	---	---	---	---	---	---	---	---	---	---	---	---
182644066240400	020570	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0.0	---	---	---	---	---	---	---	0.5	0.0
	090381	---	---	---	---	---	---	---	---	---	---	---	---
182648066230900	091059	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101880	---	---	0.0	---	---	---	---	---	---	---	5.0	---
	040981	---	---	---	---	---	---	---	---	---	---	---	---
182652066241500	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101880	---	---	0.0	---	---	---	---	---	---	---	0.5	0.0
	030981	---	---	---	---	---	---	---	---	---	---	---	---
182657066250600	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	110182	0.00	<0.01	<0.01	<0.01	170	<6.0	5.0	<0.01	<4.0	<1.0	0.1	0.01
182714066250200	022551	---	---	---	---	---	---	---	---	---	---	---	---
	030751	---	---	---	---	---	---	---	---	---	---	---	---
	031753	---	---	---	---	---	---	---	---	---	---	---	---
	070180	---	---	---	---	---	---	---	---	---	---	0.0	---
182714066292500	121779	---	---	0.01	---	---	---	---	---	---	0.0	0.2	0.0
182715066245600	030751	---	---	---	---	---	---	---	---	---	---	---	---
	022552	---	---	---	---	---	---	---	---	---	---	---	---
	031753	---	---	---	---	---	---	---	---	---	---	---	---
	030954	---	---	---	---	---	---	---	---	---	---	---	---
	032555	---	---	---	---	---	---	---	---	---	---	---	---
	070180	---	---	---	---	---	---	---	---	---	---	0.25	---
182715066245800	030751	---	---	---	---	---	---	---	---	---	---	---	---
	022552	---	---	---	---	---	---	---	---	---	---	---	---
	031753	---	---	---	---	---	---	---	---	---	---	---	---
	070180	---	---	---	---	---	---	---	---	---	---	0.0	---

Table 13B. Well completion and water-quality data for selected wells and springs in the Manatí quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NIUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182735066234300	121286	<3.00	<10.0	<10.0	<10.0	240	< 6.00	4.00	<10.0	11.0	1.00	<0.100	---
	121586	---	---	---	---	---	---	---	<10.0	---	<1.00	<0.100	---
	121586	9.00	40.0	<30.0	<30.0	5400	<18.0	52.0	<10.0	170	<1.00	1.90	---
	121586	<9.00	30.0	<30.0	<30.0	6400	<18.0	61.0	<20.0	230	<1.00	0.200	---
	121686	---	---	---	---	---	---	---	100	---	<1.00	0.300	---
	121886	<3.00	<10.0	<10.0	<10.0	3500	< 6.00	< 3.00	<10.0	10.0	<1.00	<0.100	---
	091687	<3.00	<10.0	<10.0	<10.0	3600	< 6.00	< 3.00	10.0	<4.00	<1.00	4.80	---
182752066293700	042578	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0.0	---	---	---	---	---	---	---	0.75	0.0
	070681	---	---	---	---	---	---	---	---	---	---	---	---
	091081	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182801066251900	050163	---	---	---	---	---	---	---	---	---	---	---	---
182846066261200	050163	---	---	---	---	---	---	---	---	---	---	---	---
182904066234700	043063	---	---	---	---	---	---	---	---	---	---	---	---

*DEPTH AT WHICH SAMPLE WAS COLLECTED



EXPLANATION

- ●3 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ⦶10 TEST HOLE
- Ø1 ABANDONED WELL
- ●9 SPRING
- —·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in table 14A.

Figure 14.--Location of selected wells and springs in the Moca quadrangle.

Table 14A. Identification of selected wells and springs in the Moca quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182320067034200
2	SALTOS-3	182402067010500
3	UNKNOWN	182418067042800
4	SALTOS-1	182421067015000
5	ARENALES ALTOS-2	182424067015700
6	ROCHA-2	182433067022500
7	ROCHA CUCHILLA	182435067041500
8	MONTE ENCANTADO	182521067020900
9	OJO DE VALENCIA	182545067040100
10	NC-7	182805066025800

Table 14B. Well completion and water-quality data for selected wells and springs in the Moca quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182320067034200	031363	130	---	Lares	USGS	779	8.0	---	94	---	27	6.4
182402067010500	030178	210	120-210	Aguada/Cibao	PRASA	---	7.7	---	290	---	---	---
182418067042800	092261	SPRING		Guajataca	USGS	685	8.6	24.5	280	---	68	27
182421067015000	052666	200	70-130	Cibao	PRASA	---	7.4	---	260	44	72	6.0
182424067015700	051278	220	100-220	Cibao	PRASA	---	7.4	---	290	---	---	---
	090880				PRASA	---	7.8	---	330	0	45	24
182433067022500	062377	200	120-200	Cibao	PRASA	---	7.3	---	280	0	80	15
	092281				PRASA	---	7.9	---	250	---	56	18
182435067041500	031363	233	0-233	Cibao	USGS	562	7.7	---	240	---	58	22
182521067020900	082580	200	140-200	Aguada	PRASA	---	7.9	---	200	0	69	6.2
182545067040100	091081	SPRING		Aymamón/	USGS	508	7.0	24.0	260	---	100	1.8
	090182			Aguada	USGS	545	6.8	24.0	250	---	100	1.6
182805067025800	110786	700	* 480	Aguada	USGS	414	7.80	24.0	219	---	80.0	4.50
	111086		* 635	Aguada	USGS	419	7.73	24.0	209	---	76.0	4.60

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182320067034200	031363	---	158	---	490	---	5.2	20	0.7	12	---	---
182402067010500	030178	---	---	---	---	---	---	22	---	---	449	---
182418067042800	092261	---	32	---	380	---	20	8.0	0.3	18	---	---
182421067015000	052666	22	---	---	320	---	40	23	0.0	39	466	---
182424067015700	051278	---	---	---	---	---	---	19	---	---	417	---
	090880	44	---	11	410	---	26	18	0.2	26	---	---
182433067022500	062377	36	---	---	350	---	26	21	0.0	21	370	---
	092281	41	---	2	---	---	25	19	0.0	13	285	---
182435067041500	031363	---	34	---	320	---	17	21	0.3	10	---	---
182521067020900	082580	15	---	1	250	---	8.0	13	0.1	9.0	244	---
182545067040100	091081	11	---	2	---	---	4.1	17	<0.1	3.7	---	---
	090182	11	---	3	---	---	6.0	16	0.1	4.1	---	---
182805067025800	110786	7.50	---	0.690	191	<0.500	4.80	14.0	<0.100	4.90	230	---
	111086	7.50	---	0.840	178	<0.500	4.90	12.0	<0.100	4.60	219	---

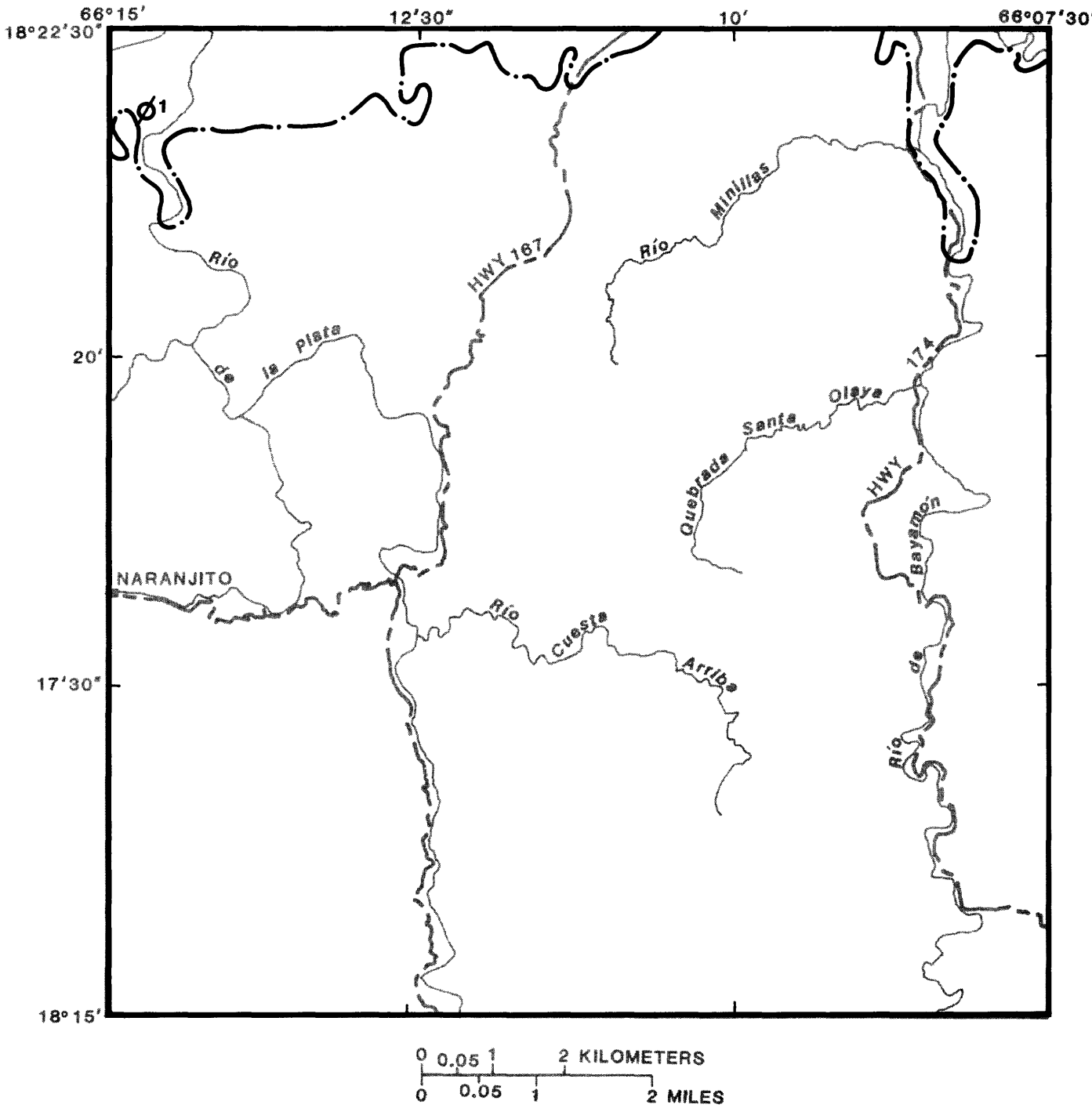
STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182320067034200	031363	3.5	---	---	---	---	---	---	---	---	---	---	---
182402067010500	030178	---	---	---	---	---	---	---	---	---	---	270	0
182418067042800	092261	3.2	---	---	---	---	---	---	---	---	---	---	---
182421067015000	052666	0.22	---	0.00	---	---	---	---	---	0.05	0	150	0
182424067015700	051278	---	---	---	---	---	---	---	---	---	---	300	0
	090880	0.04	---	0.00	---	---	---	---	---	0.04	---	200	15
182433067022500	062377	0.00	---	0.00	---	---	---	---	---	0.03	---	1700	0
	092281	0.00	---	---	---	---	---	---	---	---	---	150	0
182435067041500	031363	0.10	---	---	---	---	---	---	---	---	---	---	---
182521067020900	082580	0.70	---	0.00	---	---	---	---	---	0.03	---	540	0
182545067040100	091081	---	---	---	0.33	---	---	---	---	---	---	20	<10
	090182	---	---	---	0.21	---	---	---	---	0.01	---	4.0	<1
182805067025800	110786	---	---	---	1.90	0.041	---	0.400	0.010	---	71.0	---	1.00
	111086	---	---	---	2.00	0.041	---	0.700	<0.010	---	3.00	---	35.0

Table 14B. Well completion and water-quality data for selected wells and springs in the Moca quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIOE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182320067034200	031363	---	---	---	---	---	---	---	---	---	---	---	---
182402067010500	030178	---	---	---	---	---	---	---	---	---	---	---	---
182418067042800	092261	---	---	---	---	---	---	---	---	---	---	---	---
182421067015000	052666	6.0	---	---	---	---	---	---	---	---	---	---	---
182424067015700	051278	---	---	---	---	---	---	---	---	---	---	---	---
	090BB0	10	---	---	---	---	---	---	---	0	0	---	---
182433067022500	062377	35	---	---	---	---	---	---	---	---	---	---	---
	092281	---	---	---	---	---	---	---	---	---	---	---	---
182435067041500	031363	---	---	---	---	---	---	---	---	---	---	---	---
182521067020900	082580	5.7	---	---	---	---	---	---	---	---	---	---	---
182545067040100	091081	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182805067025800	110786	---	---	0.900	---	<1.00	10.0	<0.500	20.0	<1.00	---	0.003	---
	111086	---	---	1.10	---	<1.00	15.0	<0.500	30.0	<1.00	---	0.003	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182320067034200	031363	---	---	---	---	---	---	---	---	---	---	---	---
182402067010500	030178	---	---	---	---	---	---	---	---	---	---	---	---
182418067042800	092261	---	---	---	---	---	---	---	---	---	---	---	---
182421067015000	052666	---	---	---	---	---	---	---	---	---	---	---	---
182424067015700	051278	---	---	---	---	---	---	---	---	---	---	---	---
	090880	---	0	0	---	---	---	---	---	---	---	0.0	---
182433067022500	062377	---	---	---	---	---	---	---	---	---	---	---	---
	092281	---	---	---	---	---	---	---	---	---	---	---	---
182435067020900	031363	---	---	---	---	---	---	---	---	---	---	---	---
182521067020900	082580	---	---	---	---	---	---	---	---	---	---	0.8	---
182545067040100	091081	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182805067025800	110786	<3.00	<10.0	10.0	<10.0	120	<6.00	3.00	20.0	8.00	<1.00	0.100	---
	111086	<3.00	<10.0	<10.0	<10.0	209	<6.00	<3.00	10.0	7.00	<1.00	0.100	---

* DEPTH AT WHICH SAMPLE WAS COLLECTED.



EXPLANATION

Ø1 ABANDONED WELL

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site number is identified in table 15A.

Figure 15.--Location of selected wells and springs in the Naranjito quadrangle.

Table 15A. Identification of the selected wells and springs in the Naranjito quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182153066144200

Table 15B. Well completion and water quality data for selected wells and springs in the Naranjito quadrangle

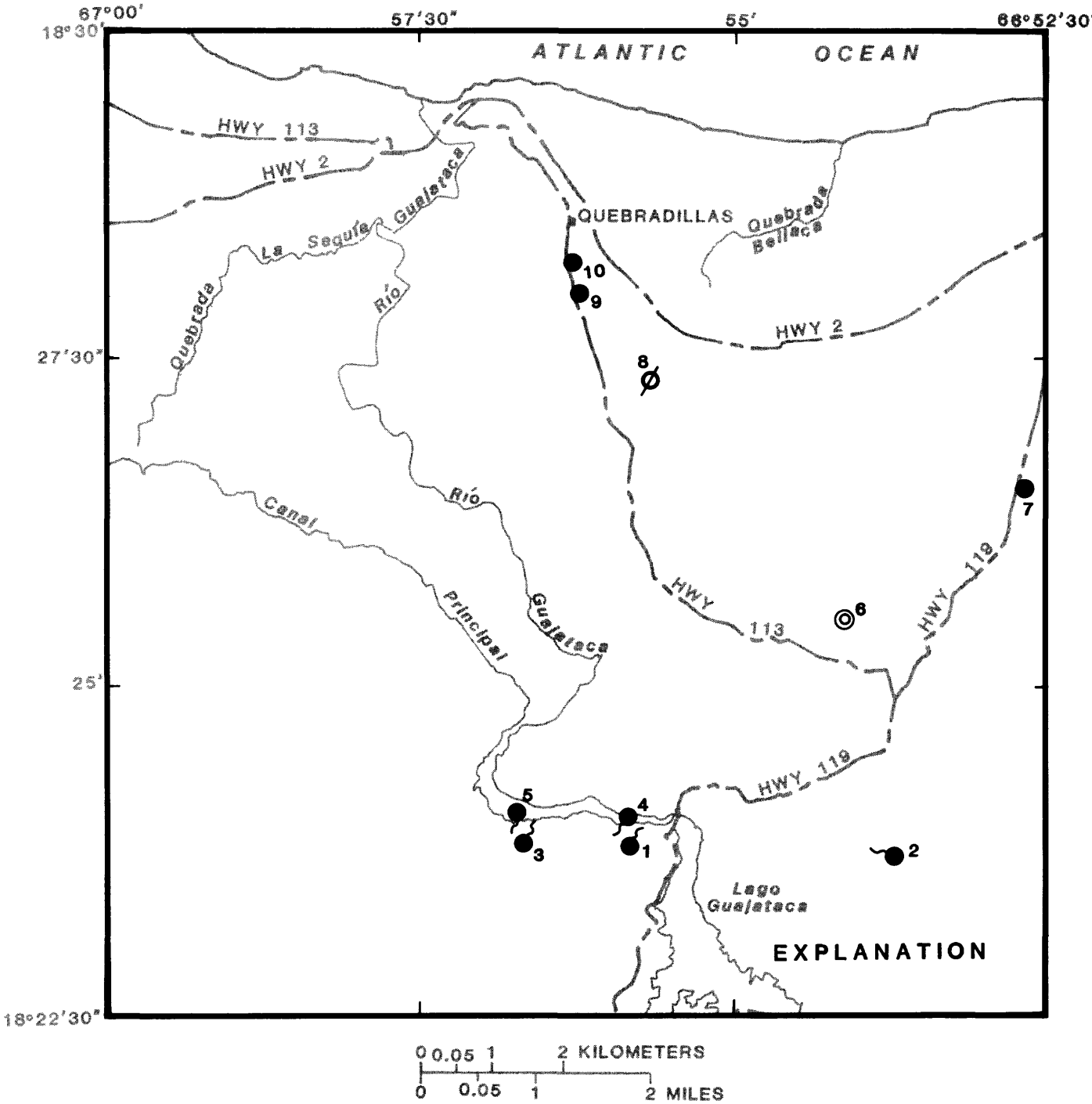
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182153066144200	090164	220	---	Alluvial/ Volcanic	USGS	2790	7.4	---	450	---	160	11

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182153066144200	090164	---	385	---	170	---	90	745	1.0	19	---	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG.)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182153066144200	090164	1.3	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182153066144200	090164	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182153066144200	090164	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

- ●9 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ◎6 WELL USED FOR IRRIGATION-WATER SUPPLY
- Ø8 ABANDONED WELL
- ●2 SPRING

Note: Site numbers are identified in Table 16A.

Figure 16.--Location of selected wells and springs in the Quebradillas quadrangle.

Table 16-A. --Identification of selected wells and springs in the Quebradillas quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182348066554900
2	SUMBADORA	182344066534400
3	UNKNOWN	182349066563900
4	UNKNOWN	182359066554900
5	UNKNOWN	182402066564300
6	UNKNOWN	182532066540600
7	PIEDRA GORDA-1	182633066524200
8	UNKNOWN	182721066554000
9	GLAMOURETTE	182802066561200
10	POST OFFICE	182813066561800

Table 16B. Well completion and water-quality data for selected wells and springs in the Quebradillas quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (UMHOS)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182348066554900	092660	SPRING	---	Aguada	USGS	297	8.1	24.0	150	---	56	2.1
182344066534400	110182	SPRING	---	Aguada	USGS	465	7.5	23.5	210	3	80	3.1
182349066563900	092660	SPRING	---	Aguada	USGS	226	8.0	24.0	110	---	40	2.7
182359066554900	092660	SPRING	---	Aguada	USGS	351	8.2	25.0	180	---	68	3.5
182402066564300	092660	SPRING	---	Aguada	USGS	261	8.1	25.5	130	---	44	4.4
182532066540600	090181	510	---	Aymamón	USGS	554	6.9	25.0	---	---	110	2.0
	090182				USGS	605	6.6	25.5	---	---	120	1.5
182633066524200	100578	550	382-550	Aymamón/ Aguada	PRASA	---	7.7	---	250	10	100	2.2
	101780				PRASA	---	6.9	---	190	0	51	12
	090181				USGS	526	6.9	25.0	260	---	100	3.2
	090182				USGS	545	6.9	26.5	250	---	97	5.5
182721066554000	013167	800	392-742	Aymamón/	USGS	1310	8.2	25.5	250	---	34	39
	020767			Aguada	USGS	18690	7.7	25.0	2500	---	200	490
182802066561200	062381	610	300-610	Aymamón	PRASA	---	7.6	---	---	---	---	---
182813066561800	100378	580	400-580	Aymamón	PRASA	---	7.3	---	220	10	65	15
	101780				PRASA	---	7.7	---	83	---	42	2.4
	090181				USGS	466	7.2	25.0	---	---	68	17
	090182				USGS	495	7.0	25.0	---	---	65	18

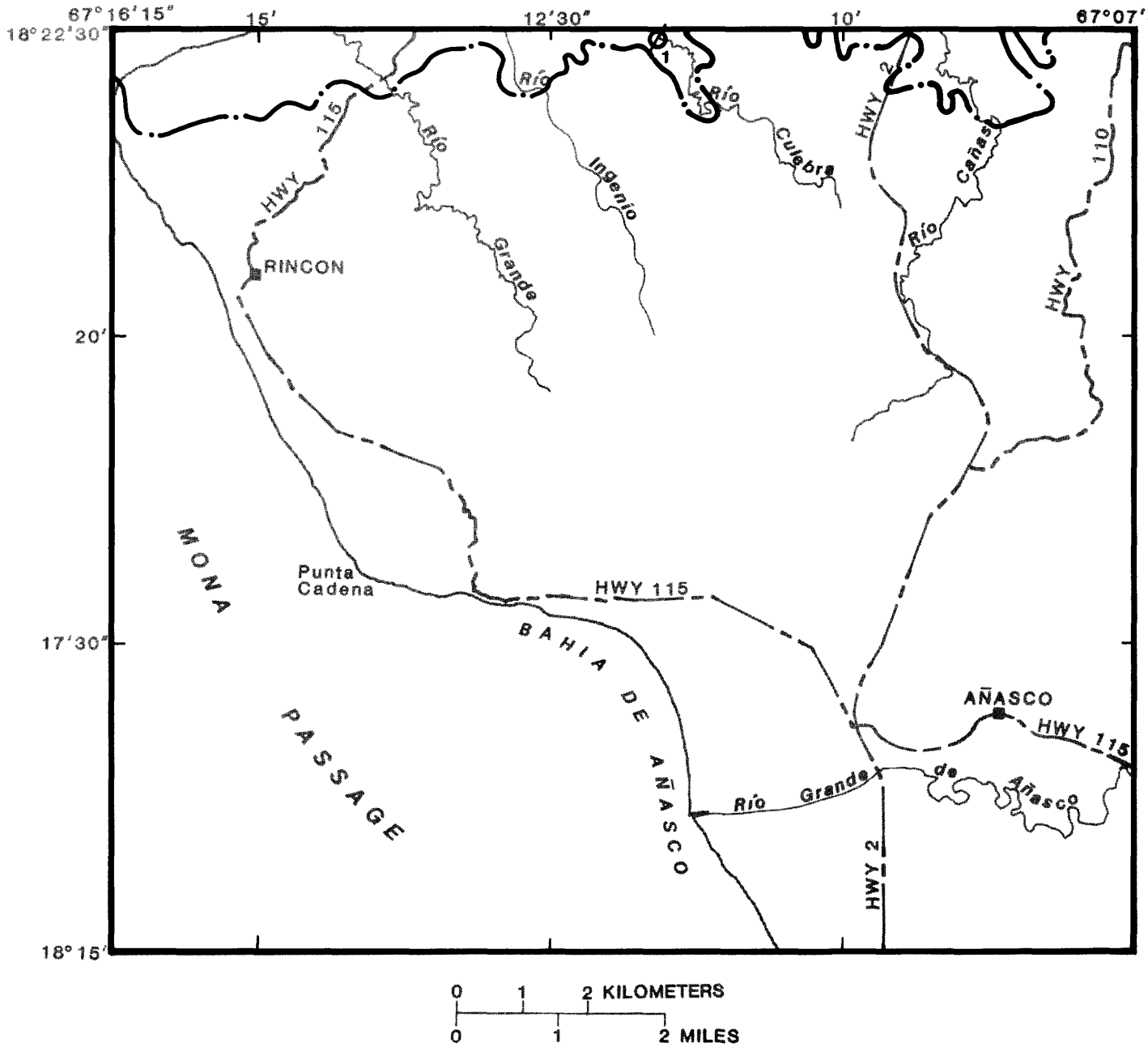
STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182348066554900	092660	---	7	---	160	---	14	10	0.0	5.5	---	---
182344066534400	110182	7.6	---	1	---	---	11	14	<0.1	5.1	248	---
182349066563900	092660	---	7	---	130	---	4.8	9.0	0.0	4.5	---	---
182359066554900	092660	---	10	---	210	---	14	10	0.0	6.0	---	---
182402066564300	092660	---	8	---	140	---	14	8.5	0.0	7.0	---	---
182532066540600	090181	6.0	---	0.3	280	---	0.6	16	<0.1	6.1	---	---
	090182	6.6	---	0.4	270	---	4.0	12	0.1	6.4	---	---
182633066524200	100578	14	---	0.7	300	---	2.6	18	---	11	392	---
	101780	17	---	0.6	230	---	0.1	19	0.0	9.5	258	---
	090181	8.5	---	0.4	260	---	1.0	16	<0.1	8.9	---	---
	090182	11	---	0.6	250	---	5.0	13	0.1	8.6	---	---
182721066554000	013167	---	150	---	170	---	43	280	0.2	7.6	---	---
	020767	---	3500	---	220	---	824	6400	0.7	6.2	---	---
182802066561200	062381	---	---	---	---	---	---	14	---	---	317	---
182813066561800	100378	15	---	0.8	260	---	5.0	18	---	5.4	288	---
	101780	11	---	2	100	---	36	11	0.0	11	172	---
	090181	9.0	---	0.5	220	---	5.2	19	0.1	6.9	---	---
	090182	9.1	---	0.6	210	---	6.0	12	0.1	7.1	---	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182348066554900	092660	6.8	---	---	---	---	---	---	---	---	---	---	---
182344066534400	110182	---	---	---	---	---	---	---	---	---	---	<3.0	<1
182349066563900	092660	2.4	---	---	---	---	---	---	---	---	---	---	---
182359066554900	092660	9.8	---	---	---	---	---	---	---	---	---	---	---
182402066564300	092660	8.0	---	---	---	---	---	---	---	---	---	---	---
182532066540600	090181	---	---	---	2.9	---	---	---	---	---	---	10	<10
	090182	---	---	---	3.0	---	---	---	---	0.01	---	<3.0	<1
182633066524200	100578	16	---	0.00	---	---	---	---	---	0.06	---	70	0
	101780	2.5	---	0.00	---	---	---	---	---	0.00	---	100	0
	090181	---	---	---	3.2	---	---	---	---	---	---	<10	0
	090182	---	---	---	3.5	---	---	---	---	0.03	---	<3.0	<1
182721066554000	013167	6.7	---	---	---	---	---	---	---	---	---	---	---
	020767	0.20	---	---	---	---	---	---	---	---	---	---	---
182802066561200	062381	29	---	---	---	---	---	---	---	---	---	100	---
182813066561800	100378	18	---	0.00	---	---	---	---	---	0.06	---	410	20
	101780	0.85	---	0.00	---	---	---	---	---	0.00	---	360	10
	090181	---	---	---	2.5	---	---	---	---	---	---	10	<10
	090182	---	---	---	2.6	---	---	---	---	0.04	---	3.0	<1

Table 16B. Well completion and water-quality data for selected wells and springs in the Quebradillas quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182348066554900	092660	---	---	---	---	---	---	---	---	---	---	---	---
182344066534400	110182	---	---	2.1	<0.01	1	12	<1.0	0.0	<1	<1	---	---
182349066563900	092660	---	---	---	---	---	---	---	---	---	---	---	---
182359066554900	092660	---	---	---	---	---	---	---	---	---	---	---	---
182402066564300	092660	---	---	---	---	---	---	---	---	---	---	---	---
182532066540600	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182633066524200	100578	10	---	---	---	---	100	---	---	---	---	---	---
	101780	47	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182721066554000	013167	---	---	---	---	---	---	---	---	---	---	---	---
	020767	---	---	---	---	---	---	---	---	---	---	---	---
182802066561200	062381	---	---	---	---	---	---	---	---	---	---	---	---
182813066561800	100378	27	---	---	---	---	0.0	---	---	---	---	---	---
	101780	3.3	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182348066554900	092660	---	---	---	---	---	---	---	---	---	---	---	---
182344066534400	110182	<3.0	<10	<10	<10	170	<6.0	<4.0	20	<4.0	<1.0	<0.1	---
182349066563900	092660	---	---	---	---	---	---	---	---	---	---	---	---
182359066554900	092660	---	---	---	---	---	---	---	---	---	---	---	---
182402066564300	092660	---	---	---	---	---	---	---	---	---	---	---	---
182532066540600	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182633066524200	100575	---	---	---	---	---	---	---	---	---	---	---	0
	101780	---	---	0	---	---	---	---	---	---	---	0.0	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182721066554000	013167	---	---	---	---	---	---	---	---	---	---	---	---
	020767	---	---	---	---	---	---	---	---	---	---	---	---
182802066561200	062381	---	---	---	---	---	---	---	---	---	---	---	---
182813066561800	100378	---	---	---	---	---	---	---	---	---	---	---	0
	101780	---	---	0	---	---	---	---	---	---	---	1.1	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

Ø¹ ABANDONED WELL

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site number is identified in table 17A.

Figure 17.--Location of selected wells and springs in the Rincón quadrangle.

Table 17A. Identification of selected wells and springs in the Rincón quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	USGS 58	182228067113300

 (p. 100 follows)

Table 17B. Well completion and water-quality data for selected wells and springs in the Rincón quadrangle

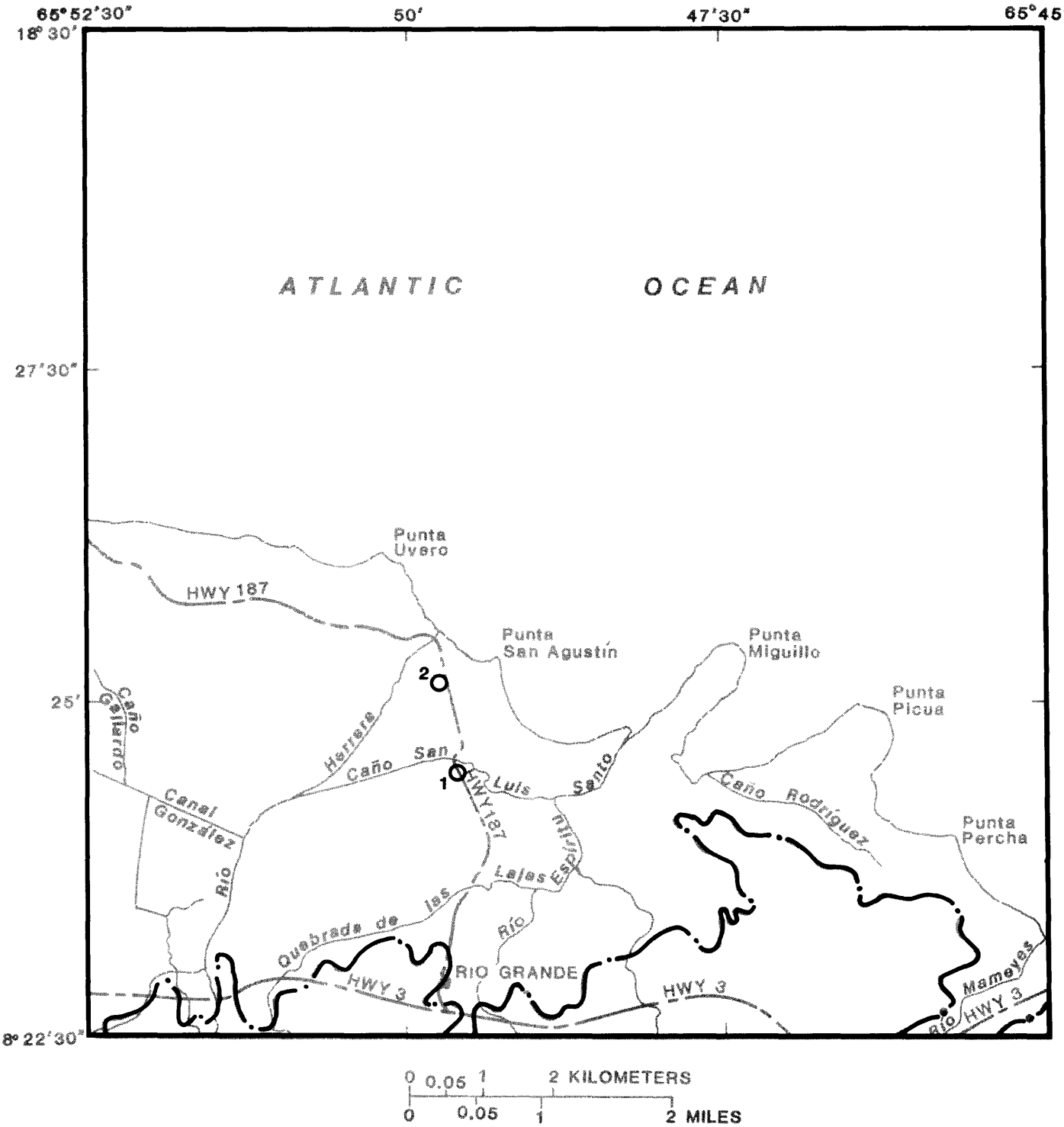
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182228067113300	010765	160	40-60	Cibao	USGS	647	8.0	---	150	---	30	18
	060966				USGS	686	8.1	26.0	200	---	42	22

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182228067113300	010765	---	97	---	340	---	23	40	1.0	27	---	---
	060966	---	83	---	360	---	24	37	0.8	29	---	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182228067113300	010765	0.40	---	---	---	---	---	---	---	---	---	---	---
	060966	1.7	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182228067113300	010765	---	---	---	---	---	---	---	---	---	---	---	---
	060966	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182228067113300	010765	---	---	---	---	---	---	---	---	---	---	---	---
	060966	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

O² PRIVATE-WATER SUPPLY WELL

—·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in table 18A.

Figure 18.--Location of selected wells and springs in the Río Grande quadrangle.

Table 18A. Identification of selected wells and springs in the Río Grande quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182428065493500
2	UNKNOWN	182503065494000

Table 18B. Well completion and water-quality data for selected wells and springs in the Río Grande quadrangle

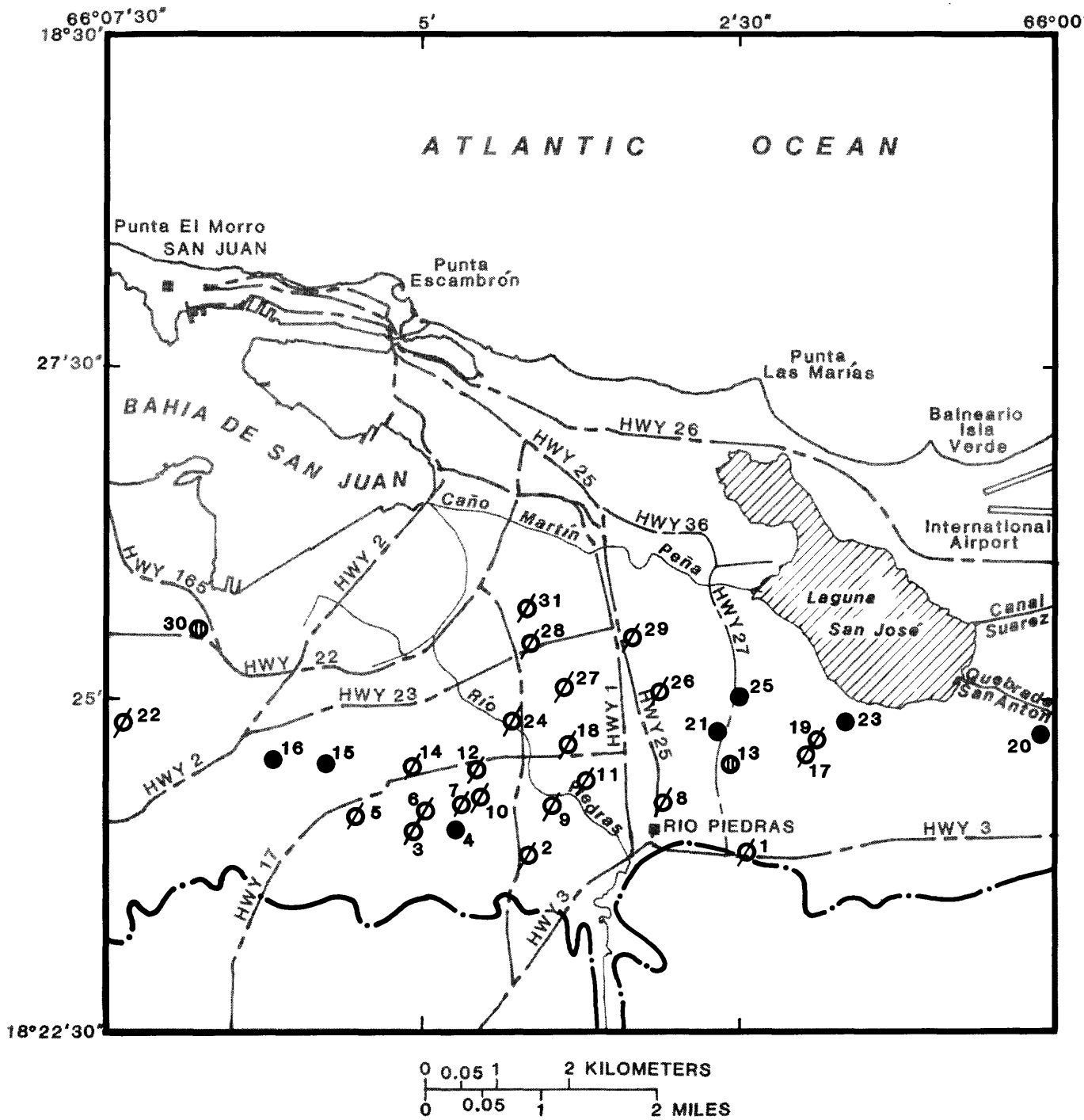
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CDN-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182428065493500	111863	3	---	Beach deposits	USGS	4000	7.4	26.0	900	---	200	96
182503065494000	111863	3	---	Beach deposits	USGS	720	7.7	27.5	340	---	81	34

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182428065493500	111863	---	530	---	530	---	280	950	0.3	16	---	---
182503065494000	111863	---	33	---	390	---	20	52	0.3	13	---	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG.)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182428065493500	111863	1.8	---	---	---	---	---	---	---	---	---	---	---
182503065494000	111863	0.60	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182428065493500	111863	---	---	---	---	---	---	---	---	---	---	---	---
182503065494000	111863	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182428065493500	111863	---	---	---	---	---	---	---	---	---	---	---	---
182503065494000	111863	---	---	---	---	---	---	---	---	---	---	---	---



EXPLANATION

- ●4 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ◎13 TEST HOLE
- Ø1 ABANDONED WELL
- —·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in table 19A.

Figure 19.--Location of selected wells and springs in the San Juan quadrangle.

Table 19A. Identification of selected wells and springs in the San Juan quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182351066022800
2	VILLA NEVAREZ	182352066040800
3	BILLY GRAHAM	182402066050200
4	LOS POLLITOS	182404066044300
5	GABRIELA MISTRAL	182410066053100
6	DR. I. MARTINEZ	182411066045800
7	PARQUE SAN LUIS	182413066044000
8	UPR-2	182415066030900
9	SORBONA	182415066035900
10	LAS AMERICAS	182417066043300
11	UNIV GARDENS	182423066034400
12	TRINA PADILLA	182431066043200
13	NC-3	182432066023300
14	PUERTO NUEVO	182432066050500
15	ESCORIAL	182433066054500
16	LOS CAOBOS	182433066061000
17	M. A. PEREZ	182439066015900
18	ISABEL CATOLICA	182442066035000
19	PENNOCK-1	182443066015400
20	COUNTRY CLUB	182446066000800
21	MIGUEL SUCH	182446066023900
22	FORT BUCHANAN-5	182450066072000
23	M. PEREZ 2	182451066014000
24	HIRAM BITHORN	182452066041500
25	TRUMAN	182503066022900
26	MCCRACKEN	182506066030800
27	ROOSEVELT	182506066035300
28	AM. STD.BRANDS	182525066040700
29	DR. JULIA-2	182529066032000
30	NC-1	182533066064500
31	A. YEAST-2	182548066041300

Table 19B. Well completion and water-quality data for selected wells and springs in the San Juan quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CDN-DUC-TANCE (UMHOS)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182351066022800	021163	60	---	Alluvial	USGS	141	6.4	---	19	---	3.2	2.7
182352066040800	071074	120	20-104	Alluvial	PRASA	---	7.6	---	160	---	---	---
	033077				PRASA	---	7.6	---	130	---	---	---
182402066050200	101074	95	40-95	San Sebastián	PRASA	---	7.8	---	100	---	---	---
182404066044300	071174	125	30-125	San Sebastián/	PRASA	---	7.7	---	120	---	---	---
	011580			Alluvial	PRASA	---	7.4	---	140	0	29	4.7
182410066053100	021578	---	---	---	PRASA	---	6.9	---	90	---	31	72
182411066045800	100274	90	20-90	Alluvial	PRASA	---	6.7	---	100	---	---	---
182413066044000	110474	166	39-166	Alluvial	PRASA	---	6.7	---	72	---	---	---
182415066030900	032168	285	112-285	Alluvial	PRASA	---	7.6	---	200	---	62	11
182415066035900	051468	175	140-175	Alluvial	PRASA	---	7.5	---	220	---	---	---
	071274				PRASA	---	7.7	---	170	---	---	---
182417066043300	021578	156	76-156	Alluvial	PRASA	---	7.1	---	100	---	21	7.0
182423066034400	121367	117	55-117	Alluvial	PRASA	---	8.1	---	180	---	56	9.0
	052378				PRASA	---	7.3	---	200	---	53	16
182431066043200	010480	---	---	---	PRASA	---	7.4	---	190	---	80	12
182432066023300	051986	365	* 357	Undif.igneous and volcanoclastic rocks	USGS	1200	8.16	24.5	140	---	47	6.2
182432066050500	031068	260	38-260	San Sebastián/	PRASA	---	7.4	---	140	---	---	---
	010480			Cibao	PRASA	---	7.3	---	170	0	36	8.6
	012981				PRASA	---	8.2	---	84	---	37	7.0
182433066054500	080174	160	60-160	Alluvial	PRASA	---	6.8	---	140	---	---	---
182433066061000	102274	150	35-150	Alluvial	PRASA	---	7.4	---	190	0	57	12
	011580				PRASA	---	6.7	---	120	0	35	4.9
182439066015900	011580	---	---	---	PRASA	---	7.4	---	180	0	47	7.4
182442066035000	052077	280	200-280	Alluvial	PRASA	---	7.5	---	210	---	---	---
182443066015400	082461	110	---	Cibao/Aguada	USGS	1360	9.5	---	450	---	78	62
182446066000800	120474	100	50-100	Aguada/Cibao	PRASA	---	7.0	---	290	540	240	55
182446066023900	010480	---	---	---	PRASA	---	7.2	---	260	20	100	5.7
182450066072000	050858	200	61-120	Cibao/ Mucarabones	USGS	745	7.0	---	350	---	100	21
182451066014000	011580	250	---	Aguada/Cibao	PRASA	---	7.5	---	170	0	43	6.8
182452066041500	100274	250	70-250	Alluvial	PRASA	---	8.3	---	190	0	29	18
	010480				PRASA	---	7.6	---	200	0	33	7.2
182503066022900	120646	200	32-200	Alluvial/	USGS	---	7.3	---	170	---	66	2.4
	120646			Aguada	USGS	---	7.3	---	190	---	66	5.8
	120646				USGS	---	7.3	---	180	---	66	4.8
	012265				USGS	1050	7.7	26.0	360	---	110	20
	021665				USGS	1090	7.4	23.5	360	---	120	18
	061566				USGS	869	7.8	28.5	310	---	96	18
	050567				USGS	614	7.8	27.0	260	---	84	13
	010968				USGS	1070	7.8	26.0	390	---	120	23
	013168				USGS	1100	8.0	26.0	360	---	120	16
	010480				PRASA	---	7.3	---	250	33	91	8.4
	010480				PRASA	---	7.4	---	190	64	80	12
	032583				PRASA	---	7.1	---	250	---	90	19
182506066030800	112946	205	64-205	Alluvial/	USGS	---	7.2	---	210	---	74	6.9
	112946			Aguada	USGS	---	7.1	---	220	---	78	6.9
	112946				USGS	---	7.1	---	220	---	79	6.7
	112946				USGS	---	7.1	---	230	---	80	6.3
	032660				USGS	---	7.8	---	280	---	85	16
	061566				USGS	277	7.8	28.5	94	---	23	8.9
	050567				USGS	795	---	26.0	310	---	100	13
	011580				PRASA	---	7.6	---	260	61	110	14
	090181				USGS	632	7.0	27.0	---	---	100	11
	090182				USGS	727	6.8	27.0	---	---	96	10
182506066035300	060177	300	230-300	Alluvial	PRASA	---	8.1	---	140	---	---	---
182525066040700	050658	75	---	Aguada	USGS	---	7.0	---	250	---	75	14
182529066032000	010148	73	50-70	Cibao/Aguada	USGS	---	---	---	280	---	250	24
182533066064500	043086	635	* 115	Cibao	USGS	37100	7.60	26.5	5800	---	890	840
	050286		* 455	San Sebastián	USGS	3020	7.70	26.5	550	---	120	59.0
182548066041300	120765	73	---	Alluvial	USGS	593	---	25.5	---	---	---	---
	120765				USGS	675	---	25.5	---	---	---	---
	121565				USGS	719	7.9	---	220	---	72	11
	121665				USGS	778	---	25.0	---	---	---	---
	121665				USGS	847	---	---	---	---	---	---

Table 19B. Well completion and water-quality data for selected wells and springs in the San Juan quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182351066022800	021163	---	20	---	32	---	2.0	22	0.0	20	---	---
182352D6604080D	071074	---	---	---	---	---	---	27	---	---	361	---
	033077	---	---	---	---	---	---	22	---	---	361	---
182402066050200	1D1074	---	---	---	---	---	---	21	---	---	209	---
182404066044300	071174	---	---	---	---	---	---	29	---	---	362	---
	011580	48	---	3	170	---	23	26	0.3	60	254	---
182410066053100	021578	28	---	---	90	---	18	38	D.D	20	225	---
182411066045800	1D0274	---	---	---	---	---	---	27	---	---	219	---
182413066D44000	110474	---	---	---	---	---	---	21	---	---	205	---
182415D66030900	032168	---	17	---	200	---	25	31	D.0	59	---	---
182415D66035900	051468	---	---	---	---	---	---	38	---	---	388	---
	071274	---	---	---	---	---	---	34	---	---	382	---
18241706604330D	021578	28	---	---	100	---	13	23	0.0	31	209	---
182423066034400	121367	---	23	---	220	---	3.0	33	0.0	53	---	---
	052378	36	---	5	200	---	10	48	0.0	48	353	---
182431D66043200	01048D	79	---	5	---	---	140	85	0.4	58	644	---
182432066023300	051986	29	---	3.7	160	0.5	13	22	0.10	41	260	---
182432066050500	031068	---	---	---	---	---	---	19	---	---	255	---
	010480	34	---	3	200	---	9.0	23	0.2	59	265	---
	012981	11	---	4	84	---	23	32	0.6	24	210	---
182433D66054500	080174	---	---	---	---	---	---	26	---	---	228	---
182433066061000	102274	17	---	---	230	---	4.7	21	0.1	49	286	---
	011580	24	---	4	140	---	7.0	29	0.0	47	207	---
182439066015900	011580	23	---	4	220	---	16	24	0.0	42	262	---
182442066035000	052077	---	---	---	---	---	---	48	---	---	411	---
18244306601540D	082461	---	200	---	460	---	250	170	D.0	18	---	---
18244606600D0800	120474	420	---	---	350	---	150	920	0.0	19	2450	---
182446066023900	01D480	25	---	5	31D	---	10	58	D.1	51	439	---
182450066072000	05D858	---	28	---	360	---	73	27	D.0	44	---	---
182451066014000	D11580	16	---	4	210	---	11	19	D.0	46	225	---
18245206604150D	100274	52	---	---	240	---	30	25	D.0	27	277	---
	010480	72	---	3	250	---	27	22	D.4	53	352	---
1825D3066022900	120646	---	18	---	170	---	4.1	22	---	15	---	---
	120646	---	18	---	180	---	6.4	21	---	19	---	---
	12D646	---	20	---	180	---	8.6	21	---	16	---	---
	012265	---	66	---	260	---	18	190	0.2	26	---	---
	021665	---	73	---	260	---	19	200	0.2	26	---	---
	D61566	---	53	---	260	---	16	140	0.2	21	---	---
	D50567	---	22	---	270	---	8.8	52	0.1	32	---	---
	010968	---	69	---	300	---	18	190	0.2	27	---	---
	013168	---	85	---	260	---	23	210	0.2	27	---	---
	D10480	47	---	3	310	---	12	81	0.1	36	572	---
	D10480	79	---	5	230	---	140	85	0.4	58	644	---
	032583	55	---	3	---	---	15	110	0.0	28	494	---
182506066030800	112946	---	40	---	190	---	9.0	54	---	14	---	---
	112946	---	37	---	200	---	8.4	54	---	17	---	---
	112946	---	39	---	200	---	7.2	55	---	14	---	---
	112946	---	33	---	190	---	8.2	55	---	14	---	---
	032660	---	16	---	270	---	8.5	49	0.0	16	---	---
	061566	---	18	---	88	---	23	25	0.6	16	---	---
	050567	---	44	---	320	---	12	82	0.1	16	---	---
	011580	150	---	3	310	---	30	240	0.0	16	665	---
	090181	51	---	2	260	---	11	89	0.1	16	---	---
	09D182	37	---	2	270	---	18	52	0.1	21	---	---
182506066035300	060177	---	---	---	---	---	---	40	---	---	404	---
182525066040700	050658	---	28	---	220	---	14	62	0.0	25	---	---
182529066032000	010148	---	---	---	240	---	8.0	57	---	---	---	---
182533066064500	04308	7900	---	>10.0	190	<0.500	2200	16000	<0.100	<1.00	28000	---
	05028	420	---	>10.0	129	<0.500	430	680	0.100	15.D	1800	---
18254806604130D	12D765	---	---	---	---	---	---	84	---	---	---	---
	120765	---	---	---	---	---	---	110	---	---	---	---
	121565	---	55	---	200	---	18	120	0.2	13	---	---
	121665	---	---	---	---	---	---	140	---	---	---	---
	121665	---	---	---	---	---	---	160	---	---	---	---

Table 19B. Well completion and water-quality data for selected wells and springs in the San Juan quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182351066022800	021163	2.8	---	---	---	---	---	---	---	---	---	---	---
182352066040800	071074	---	---	---	---	---	---	---	---	---	---	250	---
	033077	---	---	---	---	---	---	---	---	---	---	160	---
182402066050200	101074	---	---	---	---	---	---	---	---	---	---	100	0
182404066044300	071174	---	---	---	---	---	---	---	---	---	---	170	0
	011580	0.58	---	0.04	---	---	---	---	---	1.0	---	2700	350
182410066053100	021578	7.2	---	---	---	---	---	---	---	---	---	100	0
182411066045800	100274	---	---	---	---	---	---	---	---	---	---	1000	250
182413066044000	110474	---	---	---	---	---	---	---	---	---	---	800	60
182415066030900	032168	0.40	---	---	---	---	---	---	---	---	---	---	---
182415066035900	051468	---	---	---	---	---	---	---	---	---	---	50	0
	071274	---	---	---	---	---	---	---	---	---	---	80	0
182417066043300	021578	2.1	---	---	---	---	---	---	---	---	---	0.0	0
182423066034400	121367	0.10	---	---	---	---	---	---	---	---	---	---	---
	052378	14	---	---	---	---	---	---	---	---	---	0.0	0
182431066043200	010480	0.30	---	---	---	---	---	---	---	---	---	0.0	750
182432066023300	051986	---	---	---	1.5	0.010	---	0.3	0.030	---	3	---	27
182432066050500	031068	---	---	---	---	---	---	---	---	---	---	100	0
	010480	0.00	---	0.00	---	---	---	---	---	0.33	---	510	180
	012981	0.00	---	---	---	---	---	---	---	---	---	0.0	0
182433066054500	080174	---	---	---	---	---	---	---	---	---	---	700	0
182433066061000	102274	2.6	---	0.00	---	---	---	---	---	0.04	0.0	20	50
	011580	1.6	---	0.00	---	---	---	---	---	0.11	---	1210	39
182439066015900	011580	0.11	---	0.00	---	---	---	---	---	0.16	---	11500	160
182442066035000	052077	---	---	---	---	---	---	---	---	---	---	160	0
182443066015400	082461	0.00	---	---	---	---	---	---	---	---	---	---	---
182446066000800	120474	0.45	---	0.00	---	---	---	---	---	0.00	0.0	0.0	50
182446066023900	010480	4.7	---	0.00	---	---	---	---	---	0.19	---	10600	36
182450066072000	050858	0.00	---	---	---	---	---	---	---	---	---	---	---
182451066014000	011580	0.46	---	0.00	---	---	---	---	---	0.35	---	12600	290
182452066041500	100274	0.08	---	0.00	---	---	---	---	---	0.03	0.0	20	0
	010480	3.3	---	0.00	---	---	---	---	---	0.18	---	650	120
182503066022900	120646	7.8	---	---	---	---	---	---	---	---	---	---	---
	120646	8.8	---	---	---	---	---	---	---	---	---	---	---
	120646	8.8	---	---	---	---	---	---	---	---	---	---	---
	012265	9.0	---	---	---	---	---	---	---	---	---	---	---
	021665	7.5	---	---	---	---	---	---	---	---	---	---	---
	061566	0.00	---	---	---	---	---	---	---	---	---	---	---
	050567	12	---	---	---	---	---	---	---	---	---	---	---
	010968	9.7	---	---	---	---	---	---	---	---	---	---	---
	013168	11	---	---	---	---	---	---	---	---	---	---	---
	010480	3.7	---	0.00	---	---	---	---	---	0.06	---	240	18
	010480	0.28	---	0.00	---	---	---	---	---	0.26	---	9500	750
	032583	0.03	---	---	---	---	---	---	---	---	---	30	0
182506066030800	112946	31	---	---	---	---	---	---	---	---	---	---	---
	112946	22	---	---	---	---	---	---	---	---	---	---	---
	112946	31	---	---	---	---	---	---	---	---	---	---	---
	112946	22	---	---	---	---	---	---	---	---	---	---	---
	032660	13	---	---	---	---	---	---	---	---	---	---	---
	061566	0.00	---	---	---	---	---	---	---	---	---	---	---
	050567	20	---	---	---	---	---	---	---	---	---	---	---
	011580	4.5	---	0.00	---	---	---	---	---	0.02	---	1090	15
	090181	---	---	---	3.4	---	---	---	---	---	---	10	12
	090182	---	---	---	3.1	---	---	---	---	0.04	---	30	17
182506066035300	060177	---	---	---	---	---	---	---	---	---	---	200	0
182525066040700	050658	0.00	---	---	---	---	---	---	---	---	---	---	---
182529066032000	010148	---	---	---	---	---	---	---	---	---	---	---	---
182533066064500	043086	---	---	---	<0.100	1.00	---	0.900	0.021	---	730	---	4100
	050286	---	---	---	<0.100	0.200	---	0.400	0.010	---	1100	---	370
182548066041300	120765	---	---	---	---	---	---	---	---	---	---	---	---
	120765	---	---	---	---	---	---	---	---	---	---	---	---
	121565	0.30	---	---	---	---	---	---	---	---	---	---	---
	121665	---	---	---	---	---	---	---	---	---	---	---	---
	121665	---	---	---	---	---	---	---	---	---	---	---	---

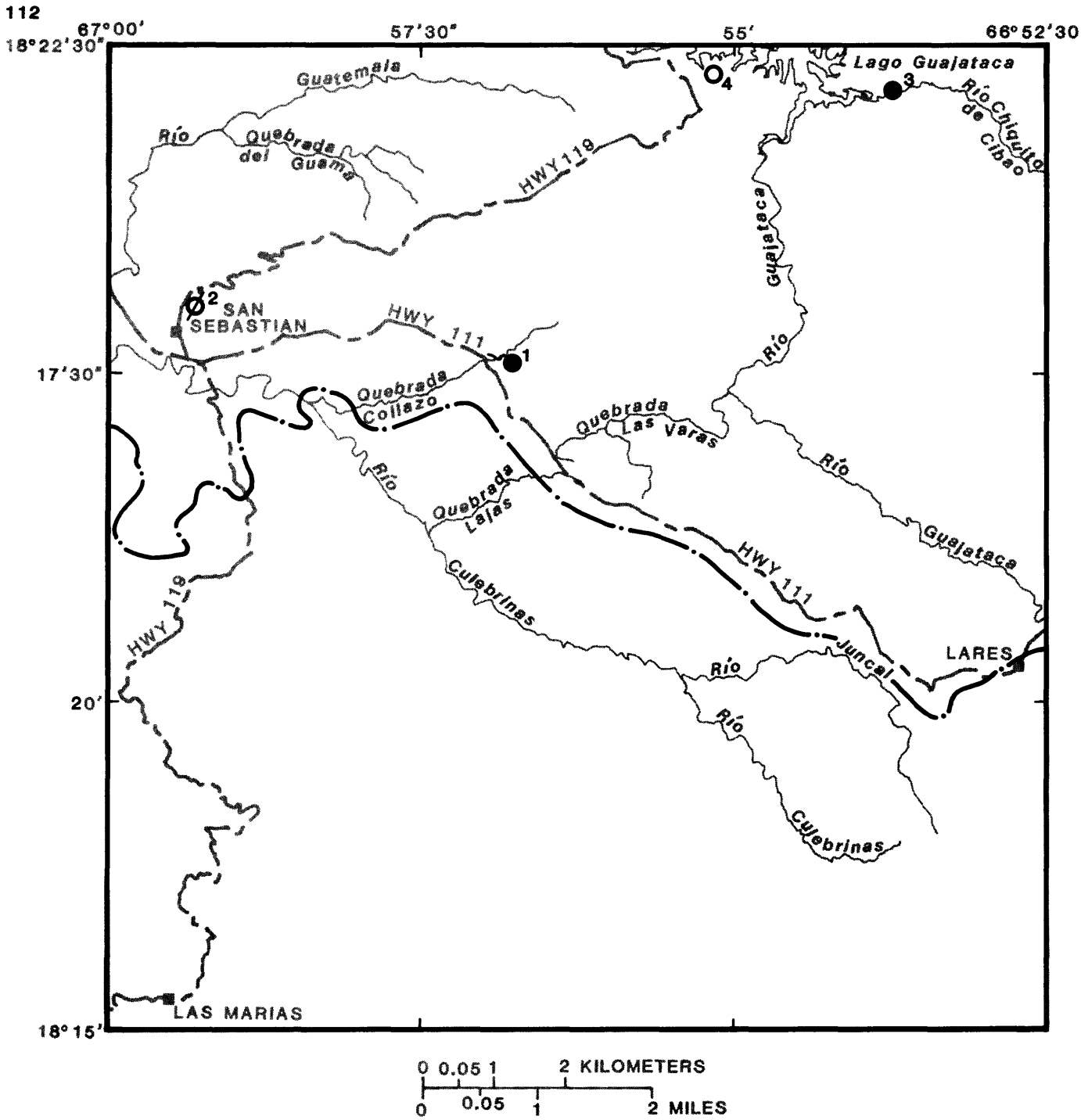
Table 19B. Well completion and water-quality data for selected wells and springs in the San Juan quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODODE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182351066022B00	021163	---	---	---	---	---	---	---	---	---	---	---	---
182352066040800	071074	---	---	---	---	---	---	---	---	---	---	---	---
	033077	---	---	---	---	---	---	---	---	---	---	---	---
182402066050200	101074	---	---	---	---	---	---	---	---	---	---	---	---
182404066044300	071174	---	---	---	---	---	---	---	---	---	---	---	---
	011580	10	---	---	---	---	0.0	---	---	0	0	---	---
182410066053100	02157B	---	---	---	---	---	---	---	---	---	---	---	---
182411066045B0D	100274	---	---	---	---	---	---	---	---	---	---	---	---
182413066044000	110474	---	---	---	---	---	---	---	---	---	---	---	---
182415066030900	032168	---	---	---	---	---	---	---	---	---	---	---	---
182415066035900	051468	---	---	---	---	---	---	---	---	---	---	---	---
	071274	---	---	---	---	---	---	---	---	---	---	---	---
182417066043300	021578	---	---	---	---	---	---	---	---	---	---	---	---
182423066034400	121367	---	---	---	---	---	---	---	---	---	---	---	---
	052378	---	---	---	---	---	---	---	---	---	---	---	---
182431066043200	010480	---	---	---	---	---	---	---	---	---	---	---	---
182432066023300	051986	---	---	2.1	---	1	76	0.5	90	1	---	0.018	0.050
182432066050500	031068	---	---	---	---	---	---	---	---	---	---	---	---
	010480	16	---	---	---	---	0.0	---	---	0	0	---	---
	012981	---	---	---	---	---	---	---	---	---	---	---	---
182433066054500	080174	---	---	---	---	---	---	---	---	---	---	---	---
182433066061000	102274	20	---	---	---	---	---	---	---	---	---	---	---
	011580	46	---	---	---	---	0.0	---	---	0	0	---	---
182439066015900	0115B0	14	---	---	---	---	0.0	---	---	0	0	---	---
182442066035000	052077	---	---	---	---	---	---	---	---	---	---	---	---
182443066015400	0B2461	---	---	---	---	---	---	---	---	---	---	---	---
182446066000800	120474	60	---	---	---	---	---	---	---	---	---	---	---
182446066023900	0104B0	31	---	---	---	---	0.0	---	---	0	0	---	---
182450066072000	050B58	---	---	---	---	---	---	---	---	---	---	---	---
182451066014000	011580	11	---	---	---	---	0.0	---	---	0	0	---	---
182452066041500	100274	2.0	---	---	---	---	---	---	---	---	---	---	---
	010480	9.9	---	---	---	---	0.0	---	---	0	0	---	---
182503066022900	120646	---	---	---	---	---	---	---	---	---	---	---	---
	120646	---	---	---	---	---	---	---	---	---	---	---	---
	120646	---	---	---	---	---	---	---	---	---	---	---	---
	012265	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	061566	---	---	---	---	---	---	---	---	---	---	---	---
	050567	---	---	---	---	---	---	---	---	---	---	---	---
	01096B	---	---	---	---	---	---	---	---	---	---	---	---
	013168	---	---	---	---	---	---	---	---	---	---	---	---
	010480	25	---	---	---	---	0.0	---	---	0	0	---	---
	0104B0	14	---	---	---	---	0.0	---	---	0	0	---	---
	032583	---	---	---	---	---	---	---	---	---	---	---	---
182506066030B00	112946	---	---	---	---	---	---	---	---	---	---	---	---
	112946	---	---	---	---	---	---	---	---	---	---	---	---
	112946	---	---	---	---	---	---	---	---	---	---	---	---
	112946	---	---	---	---	---	---	---	---	---	---	---	---
	032660	---	---	---	---	---	---	---	---	---	---	---	---
	061566	---	---	---	---	---	---	---	---	---	---	---	---
	050567	---	---	---	---	---	---	---	---	---	---	---	---
	011580	14	---	---	---	---	0.0	---	---	0	0	---	---
	090181	---	0.4	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182506066035300	060177	---	---	---	---	---	---	---	---	---	---	---	---
182525066040700	050658	---	---	---	---	---	---	---	---	---	---	---	---
182529066032000	010148	---	---	---	---	---	---	---	---	---	---	---	---
182533066064500	043086	---	---	0.400	---	<1.00	<100	<50.0	1800	<100	---	0.080	51.0
	050286	---	---	0.600	---	<1.00	42.0	< 2.00	180	< 3.00	---	0.046	2.20
182548066041300	120765	---	---	---	---	---	---	---	---	---	---	---	---
	120765	---	---	---	---	---	---	---	---	---	---	---	---
	121565	---	---	---	---	---	---	---	---	---	---	---	---
	121665	---	---	---	---	---	---	---	---	---	---	---	---
	121665	---	---	---	---	---	---	---	---	---	---	---	---

Table 19B. Well completion and water-quality data for selected wells and springs in the San Juan quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182351066022800	021163	---	---	---	---	---	---	---	---	---	---	---	---
182352066040800	071074	---	---	---	---	---	---	---	---	---	---	---	---
	033077	---	---	---	---	---	---	---	---	---	---	---	---
182402066050200	101074	---	---	---	---	---	---	---	---	---	---	---	---
182404066044300	071174	---	---	---	---	---	---	---	---	---	---	---	---
	011580	---	---	10	---	---	---	---	---	---	0	0.3	0
182410066053100	021578	---	---	---	---	---	---	---	---	---	---	---	---
182411066045800	100274	---	---	---	---	---	---	---	---	---	---	---	---
182413066044000	110474	---	---	---	---	---	---	---	---	---	---	---	---
182415066030900	032168	---	---	---	---	---	---	---	---	---	---	---	---
182415066035900	051468	---	---	---	---	---	---	---	---	---	---	---	---
	071274	---	---	---	---	---	---	---	---	---	---	---	---
182417066043300	021578	---	---	---	---	---	---	---	---	---	---	---	---
182423066034400	121367	---	---	---	---	---	---	---	---	---	---	---	---
	052378	---	---	---	---	---	---	---	---	---	---	---	---
182431066043200	010480	---	---	7	---	---	---	---	---	---	0	0.8	0
182432066023300	051986	3	10	10	10	270	6	3	10	5	1	---	---
182432066050500	031068	---	---	---	---	---	---	---	---	---	---	---	---
	012981	---	---	---	---	---	---	---	---	---	---	---	---
182433066054500	080174	---	---	---	---	---	---	---	---	---	---	---	---
182433066061000	102274	---	---	---	---	---	---	---	---	---	---	---	---
	011580	---	---	10	---	---	---	---	---	---	0	0.0	0
182439066015900	011580	---	---	13	---	---	---	---	---	---	0	0.2	0
182442066035000	052077	---	---	---	---	---	---	---	---	---	---	---	---
182443066015400	082461	---	---	---	---	---	---	---	---	---	---	---	---
182446066000800	120474	---	---	---	---	---	---	---	---	---	---	---	---
182446066023900	010480	---	---	7	---	---	---	---	---	---	0	0.7	0
182450066072000	050858	---	---	---	---	---	---	---	---	---	---	---	---
182451066014000	011580	---	---	27	---	---	---	---	---	---	1	0.1	0
182452066041500	100274	---	---	---	---	---	---	---	---	---	---	---	---
	010480	---	---	7	---	---	---	---	---	---	0	0.1	0
182503066022900	120646	---	---	---	---	---	---	---	---	---	---	---	---
	120646	---	---	---	---	---	---	---	---	---	---	---	---
	120646	---	---	---	---	---	---	---	---	---	---	---	---
	012265	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	061566	---	---	---	---	---	---	---	---	---	---	---	---
	050567	---	---	---	---	---	---	---	---	---	---	---	---
	010968	---	---	---	---	---	---	---	---	---	---	---	---
	013168	---	---	---	---	---	---	---	---	---	---	---	---
	010480	---	---	3	---	---	---	---	---	---	0	0.3	0
	010480	---	---	7	---	---	---	---	---	---	0	0.3	0
	032583	---	---	---	---	---	---	---	---	---	---	---	---
182506066030800	112946	---	---	---	---	---	---	---	---	---	---	---	---
	112946	---	---	---	---	---	---	---	---	---	---	---	---
	112946	---	---	---	---	---	---	---	---	---	---	---	---
	112946	---	---	---	---	---	---	---	---	---	---	---	---
	032660	---	---	---	---	---	---	---	---	---	---	---	---
	061566	---	---	---	---	---	---	---	---	---	---	---	---
	050567	---	---	---	---	---	---	---	---	---	---	---	---
	011580	---	---	13	---	---	---	---	---	---	0	28	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182506066035300	060177	---	---	---	---	---	---	---	---	---	---	---	---
182525066040700	050658	---	---	---	---	---	---	---	---	---	---	---	---
182529066032000	010148	---	---	---	---	---	---	---	---	---	---	---	---
182533066064500	043086	<300	<1000	<1000	<1000	90000	<600	410	10.0	<400	<1.00	---	---
	050286	< 9.00	< 30.0	< 30.0	< 30.0	2000	< 18.0	26.0	30.0	17.0	<1.00	---	---
182548066041300	120765	---	---	---	---	---	---	---	---	---	---	---	---
	120765	---	---	---	---	---	---	---	---	---	---	---	---
	121565	---	---	---	---	---	---	---	---	---	---	---	---
	121665	---	---	---	---	---	---	---	---	---	---	---	---
	121665	---	---	---	---	---	---	---	---	---	---	---	---

* DEPTH AT WHICH SAMPLE WAS COLLECTED.



EXPLANATION

- ●3 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- O4 PRIVATE-WATER SUPPLY WELL
- Ø2 ABANDONED WELL
- ●1 SPRING
- —·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 20A.

Figure 20.--Location of selected wells and springs in the San Sebastián quadrangle.

Table 20A. Identification of selected wells and springs in the San Sebastián quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	SALTO COLLAZO	182006066564600
2	USGS-83	182032066591800
3	PRASA SOLLER	182208066534400
4	BSA-1	182217066551100

 (p.116 follows)

Table 20B. Well completion and water-quality data for selected wells and springs in the San Sebastián quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182006066564600	110182	SPRING	---	---	USGS	455	7.4	23.0	220	0	84	2.9
182032066591800	040167	290	* 50	San Sebastian	USGS	774	8.0	---	290	---	76	24
	040167		* 205		USGS	1170	8.0	---	300	---	88	20
	040167		* 290		USGS	9888	8.6	---	110	---	16	17
182208066534400	090880	260	160-240	Alluvial	PRASA	---	7.6	---	300	0	88	19
	030281				PRASA	---	7.3	---	---	---	32	52
182217066551100	082084	200	105-200	Montebello/ Cibao	USGS	610	7.7	24.0	---	---	---	---

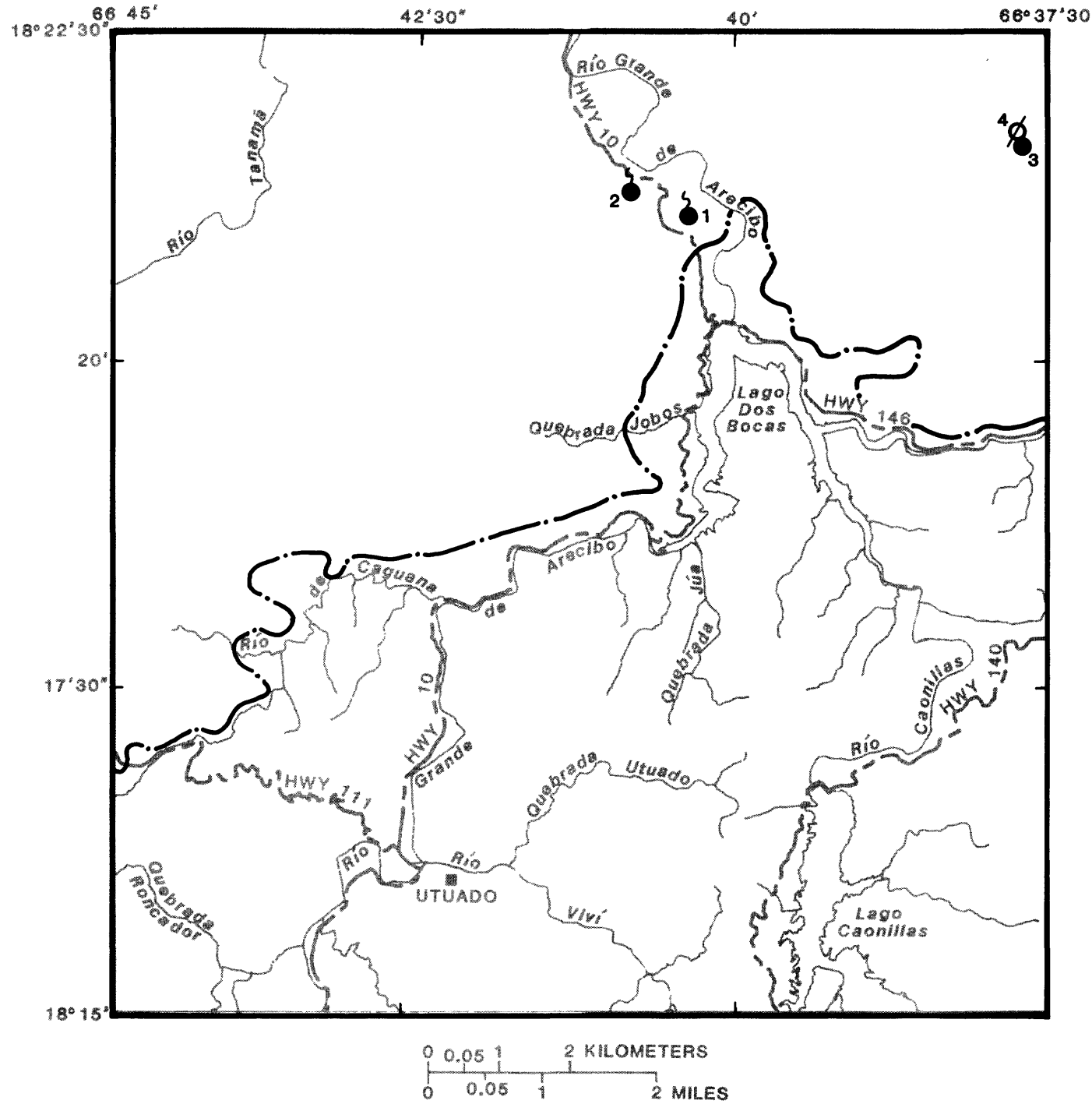
STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182006066564600	110182	4.2	---	0.5	---	---	6.0	6.7	<0.1	4.6	244	---
182032066591800	040167	---	55	---	320	---	60	58	0.3	33	---	---
	040167	---	150	---	400	---	200	60	0.2	29	---	---
	040167	---	180	---	240	---	220	64	0.1	36	---	---
182208066534400	090880	20	---	3	370	---	24	12	0.9	14	---	---
	030281	3.0	---	2	260	---	27	10	1.0	10	---	---
182217066551100	082084	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182006066564600	110182	---	---	<0.01	0.45	0.03	0.20	---	---	0.01	20	---	<1
182032066591800	040167	0.40	---	---	---	---	---	---	---	---	---	---	---
	040167	0.40	---	---	---	---	---	---	---	---	---	---	---
	040167	0.00	---	---	---	---	---	---	---	---	---	---	---
182208066534400	090880	0.33	---	0.00	---	---	---	---	---	0.03	---	350	30
	030281	0.00	---	---	---	---	---	---	---	---	100	---	0
182217066551100	082084	---	0.01	---	0.10	---	0.10	---	0.02	---	---	---	---

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182006066564600	110182	---	---	2.8	<0.01	1.0	19	<1.0	<0.01	3	3	---	---
182032066591800	040167	---	---	---	---	---	---	---	---	---	---	---	---
	040167	---	---	---	---	---	---	---	---	---	---	---	---
	040167	---	---	---	---	---	---	---	---	---	---	---	---
182208066534400	090880	15	---	---	---	---	---	---	---	0	0	---	---
	030281	---	---	---	---	---	---	---	---	---	---	---	---
182217066551100	082084	---	---	---	---	---	---	---	---	---	---	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182006066564600	110182	<3.0	<10	10	<10	700	<6.0	<4.0	3.0	<4.0	<1	0.1	---
182032066591800	040167	---	---	---	---	---	---	---	---	---	---	---	---
	040167	---	---	---	---	---	---	---	---	---	---	---	---
	040167	---	---	---	---	---	---	---	---	---	---	---	---
182208066534400	090880	---	11	0	---	---	---	---	---	---	---	0.0	0.1
	030281	---	---	---	---	---	---	---	---	---	---	---	---
182217066551100	082084	---	---	---	---	---	---	---	---	---	---	---	---

* DEPTH AT WHICH SAMPLE WAS COLLECTED.



EXPLANATION

- ●3 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- Ø4 ABANDONED WELL
- ●1 SPRING
- —·— BOUNDARY OF THE NORTH COAST LIMESTONE AREA

Note: Site numbers are identified in Table 21A.

Figure 21.--Location of selected wells and springs in the Utuado quadrangle.

Table 21A. Identification of selected wells and springs in the Utuado quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	UNKNOWN	182108066402300
2	LOS CHOROS	182123066405200
3	JOVALES-1	182144066374600
4	UNKNOWN	182145066374600

 (p. 120 follows)

Table 21B. Well completion and water-quality data for selected wells and springs in the Utuado quadrangle

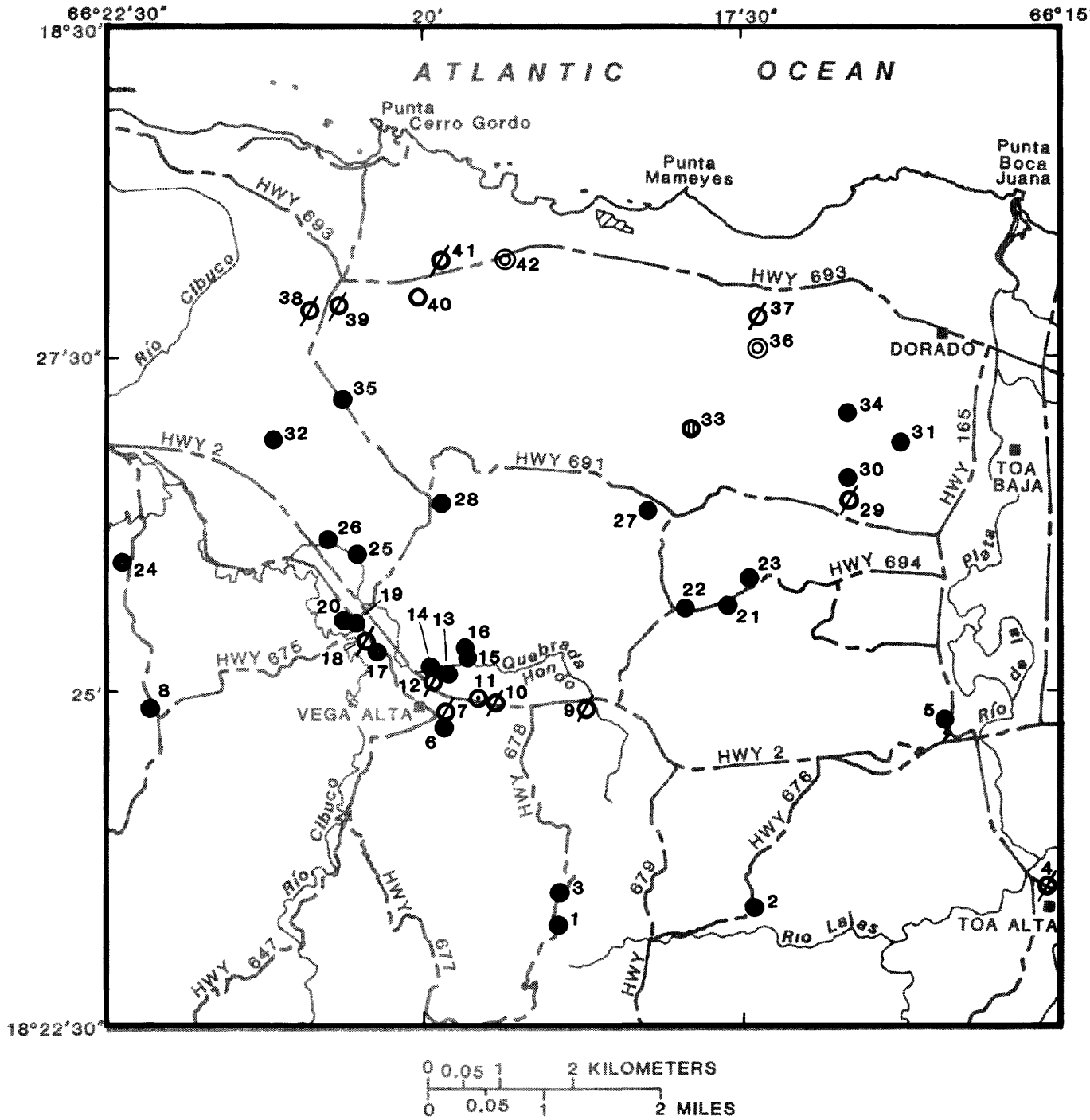
STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GED-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (US/cm)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182108066402300	061454	SPRING		Lares	USGS	570	7.6	---	260	---	98	3.0
182123066405200	040160	SPRING		Lares	USGS	291	7.5	22.5	150	---	56	1.6
182144066374600	061461	300	200-300	Montebello/	USGS	---	7.0	---	230	---	83	5.0
	070178			Lares	PRASA	---	7.5	---	160	0.2	55	5.6
	101780				PRASA	---	7.0	---	190	10	60	11
182145066374600	090876	500	350-440	Montebello/	PRASA	---	7.8	---	200	12	50	20
	070778			Lares	USGS	---	7.8	---	200	6	49	18
	101780				USGS	---	6.7	---	110	11	22	13

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182108066402300	061454	---	91	---	270	---	2.0	15	0.0	13	---	---
182123066405200	040160	---	8	---	170	---	14	7.0	0.0	5.2	---	---
182144066374600	061461	---	1	---	250	---	2.2	14	0.4	4.6	---	---
	070178	11	---	1	200	---	4.0	13	0.0	9.0	214	---
	101780	6.0	---	0.4	230	---	0.3	12	0.0	2.0	198	---
182145066374600	090876	2.5	---	---	240	---	0.0	11	0.0	3.0	221	---
	070778	14	---	1	250	---	3.9	13	0.0	5.4	230	---
	101780	2.8	---	0.5	140	---	0.0	10	0.2	5.4	150	---

STATION ID	DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVEO (MG/L AS NO2)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DIS-SOLVED (MG/L AS NH4+ORG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHATE ORTHO DIS-SOLVED (MG/L AS PO4)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MAN-GANESE DIS-SOLVED (UG/L AS Mn)
182108066402300	061454	5.0	---	---	---	---	---	---	---	---	---	---	---
182123066405200	040160	3.0	---	---	---	---	---	---	---	---	---	---	---
182144066374600	061461	2.2	---	---	---	---	---	---	---	---	---	---	---
	070178	4.8	---	0.00	---	---	---	---	---	0.11	---	0	0
	101780	1.7	---	0.00	---	---	---	---	---	0.04	---	160	0
182145066374600	090876	2.5	---	0.00	---	---	---	---	---	0.10	---	300	0
	070778	5.4	---	0.00	---	---	---	---	---	0.09	---	380	0
	101780	0.91	---	0.00	---	---	---	---	---	0.00	---	80	0

STATION ID	OATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE OIS-SDLVED (MG/L AS I)	BROMIDE DIS-SOLVEO (MG/L AS Br)
182108066402300	061454	---	---	---	---	---	---	---	---	---	---	---	---
182123066405200	040160	---	---	---	---	---	---	---	---	---	---	---	---
182144066374600	061461	---	---	---	---	---	---	---	---	---	---	---	---
	070178	15	---	---	---	---	---	---	---	---	---	---	---
	101780	36	---	---	---	---	---	0.0	---	0	0	---	---
182145066374600	090876	5.0	---	---	---	---	---	---	---	---	---	---	---
	070778	4.5	---	---	---	---	---	---	---	---	---	---	---
	101780	28	---	---	---	---	---	0.0	---	0	0	---	---

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVEO (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM OIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVEO (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182108066402300	061454	---	---	---	---	---	---	---	---	---	---	---	---
182123066405200	040160	---	---	---	---	---	---	---	---	---	---	---	---
182144066374600	061461	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	0	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	1.8	0
182145066374600	090876	---	---	---	---	---	---	---	---	---	---	---	---
	070778	---	---	---	---	---	---	---	---	---	---	---	---
	101780	---	---	0	---	---	---	---	---	---	---	0.5	---



EXPLANATION

- ●1 WELL USED FOR DOMESTIC-WATER SUPPLY (PRASA Property)
- ⊙11 WELL USED FOR INDUSTRIAL-WATER SUPPLY
- ◎36 WELL USED FOR IRRIGATION-WATER SUPPLY
- O40 PRIVATE-WATER SUPPLY WELL
- Ø4 ABANDONED WELL
- ⊞33 TEST HOLE
- 5 SPRING

Note: Site numbers are identified in Table 22A.

Figure 22.--Location of selected wells and springs in the Vega Alta quadrangle.

Table 22A. Identification of selected wells and springs in the Vega Alta quadrangle

SITE NUMBER	STATION NAME	STATION ID
1	PAMPANO-1	182315066185900
2	VIVONI-1	182324066172500
3	PAMPANO-2	182330066185700
4	UNKNOWN	182332066150400
5	MAGUAYO	182446066155500
6	VEGA ALTA-1	182446066194800
7	VEGA ALTA-2	182447066194800
8	ALMIRANTE-2	182452066220700
9	UNKNOWN	182453066184300
10	UNKNOWN	182456066192500
11	LEVI-2	182459066193400
12	VEGA ALTA-4	182504066195400
13	GE-1	182507066195000
14	GE-2	182511066195600
15	PONDEROSA	182517066194100
16	NC-8	182518066194300
17	BAJURA-1	182518066202100
18	UNKNOWN	182524066202600
19	BAJURA-2	182530066203300
20	BAJURA-5	182531066203200
21	MAGUAYO-3	182540066174100
22	MAGUAYO-2	182540066175500
23	MAGUAYO-4	182549066172700
24	ALMIRANTE-3	182559066222100
25	MANATI	182610066204700
26	MARISIMA	182623066181400
27	REGADERA	182625066195000
28	KARMA	182631066164000
29	USGS-69	182636066164200
30	SAN ANTONIO-1	182653066161700
31	SABANA HOYOS-3	182654066211000
32	NC-2	182659066175500
33	CERRO GORDO	182702066203100
34	SAN ANTONIO-2	182707066164100
35	SABANA HOYOS-2	182712066203700
36	UNKNOWN	182735066172400
37	UNKNOWN	182749066172400
38	PENNOCK W1	182750066204900
39	UNKNOWN	182755066204200
40	BRENA	182758066200100
41	UNKNOWN	182813066195100
42	UNKNOWN	182815066192300

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (UMHOS)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
182315066185900	071377	300	220-300	Quebrada Arenas	PRASA	---	7.6	---	330	---	---	---
	021580				PRASA	---	7.5	---	330	---	---	---
	020283				PRASA	---	6.8	---	310	---	120	11
182324D66172500	092573	200	73-200	Río Indio/	PRASA	643	7.5	---	320	0	33	22
	022074			Quebrada Arenas	PRASA	750	7.4	---	230	49	85	16
	021580				PRASA	---	7.4	---	330	13	88	30
	012883				PRASA	---	7.2	---	310	---	93	16
182330066185700	071377	300	220-300	Río Indio	PRASA	---	7.6	---	290	38	73	35
	021580				PRASA	---	7.5	---	200	57	91	25
182332066150400	102357	120	---	Río Indio	USGS	---	8.2	---	---	---	10	26
	102857				USGS	---	8.0	---	---	---	13	26
182446066155500	090181	SPRING	---	Aguada	USGS	354	7.2	26.5	---	---	58	2.5
	090182				USGS	575	7.0	24.5	---	---	95	4.9
	110182				USGS	572	6.7	24.5	---	9	92	5.8
182446066194800	101059	210	110-210	Aguada/Cibao	USGS	---	7.4	---	250	---	87	8.0
	010565				USGS	626	7.5	25.5	300	---	110	8.6
	060366				USGS	684	8.0	27.0	320	---	120	8.0
	050167				USGS	614	7.6	24.5	300	---	110	6.2
	011668				USGS	680	7.7	26.5	330	---	110	12
	021280				PRASA	---	7.1	---	291	26	93	20
182447066194800	091659	163	98-148	Aguada	USGS	---	7.2	---	323	---	120	8.0
	020662				PRASA	---	7.2	---	302	15	99	17
	010565				USGS	626	7.5	26.5	300	---	110	7.4
	06D366				USGS	677	7.8	27.0	320	---	120	6.8
	021280				PRASA	---	7.1	---	280	33	95	19
182452066220700	112271	315	205-240		PRASA	---	7.5	---	240	29	89	10
	121076				PRASA	---	7.3	---	230	---	90	8.0
	051078				PRASA	---	7.3	---	220	24	90	5.5
	101880				PRASA	---	6.9	---	180	---	---	---
182453066184300	041163	313	110-313	Aguada/Cibao	USGS	468	7.7	---	190	---	72	3.5
182456066192500	032558	150	110-150	Cibao	USGS	486	8.0	---	240	---	88	4.7
182459066193400	091349	161	24-153	Cibao	USGS	---	7.2	---	110	---	44	0.8
182504066195400	051167	210	60-210	Aguada/Cibao	PRASA	---	6.9	---	310	---	100	13
182507066195000	042567	220	60-220	Aguada/Cibao	PRASA	---	7.5	---	290	0	60	29
	021280				PRASA	---	7.3	---	310	63	96	2.6
	013183				PRASA	---	7.1	---	310	---	120	11
182511066195600	021280	210	90-210	Cibao	PRASA	---	7.1	---	310	11	110	3.8
	013183				PRASA	---	7.2	---	300	---	120	10
182517066194100	022576	260	120-260	Cibao	PRASA	---	7.1	---	270	32	110	5.0
	021280				PRASA	---	7.3	---	250	32	84	18
	090181				USGS	594	7.7	25.5	260	---	100	4.6
	090182				USGS	625	7.0	25.5	260	---	110	4.5
182518066194300	112586	1735	* 116	Aguada	USGS	500	7.60	26.0	290	---	109	4.60
	112586		* 217	Aguada	USGS	700	7.53	25.0	300	---	109	6.00
	112686		* 356	Cibao	USGS	650	7.60	25.0	269	---	90.0	10.0
	112686		* 517	Cibao	USGS	1350	8.40	25.0	680	---	10.0	9.80
	112886		* 716	Cibao	USGS	750	8.30	25.0	200	---	30.0	29.0
	120186		* 836	Cibao	USGS	750	8.30	25.0	200	---	29.0	29.0
	120286		* 1277	Lares	USGS	750	8.13	26.5	310	---	47.0	43.0
182518066202100	030359	120	90-120	Aguada/Cibao	USGS	USGS	7.1	---	340	---	120	9.0
	013183				PRASA	---	7.2	---	300	---	110	14
182524066202600	012767	185	50-185	Aguada/Cibao	PRASA	---	7.0	---	300	16	100	15
	020667				PRASA	---	6.9	---	300	16	100	15
	070178				PRASA	---	7.2	---	240	90	130	3.8
182530066203300	021280	165	97-165	Cibao	PRASA	---	7.1	---	310	---	110	8.0
182531066203200	013162	148	98-148	Cibao	USGS	---	7.2	---	320	---	99	17
182540066174100	032583	150	82-150	Aguada/Cibao	PRASA	---	7.3	---	240	---	82	13
182540066175500	040968	350	170-350	Cibao	PRASA	---	7.3	---	260	---	83	14
	013183				PRASA	---	7.4	---	250	---	99	9.0
182549066172700	013183	145	65-145	Aguada/Cibao	PRASA	---	7.2	---	260	---	92	15
182559066222100	120679	200	120-200	Aguada/Cibao	PRASA	---	7.5	---	210	33	94	2.3
	101880				PRASA	---	6.9	---	180	6	59	8.3
182610066204700	090369	210	90-190	Aguada	PRASA	---	7.2	---	280	12	110	3.0
	021280				PRASA	---	7.2	---	290	0	85	5.2
	013183				PRASA	---	7.4	---	290	---	76	23
182623066181400	020283	400	300-400	Aguada/Cibao	PRASA	---	---	---	250	---	98	9.0
182625066195000	032078	330	170-320	Aymamon/Aguada	PRASA	---	7.3	---	230	19	92	5.5
182631066164000	010463	85	---	Aguada	USGS	373	7.6	---	---	---	---	---
182636066164200	080158	200	---	Aguada	USGS	---	7.7	---	240	---	85	6.5
	012165				USGS	483	8.0	30.0	250	---	84	9.8
	021665				USGS	396	7.5	25.5	180	---	63	6.6
	060366				USGS	489	7.9	26.5	230	---	83	6.6
	090181				USGS	526	7.1	25.5	230	---	89	5.4
	090182				USGS	558	7.4	25.5	230	---	90	4.9
	020283				PRASA	---	---	---	220	---	91	12
182653066161700	112960	105	46-69	Aguada	USGS	---	7.4	---	250	---	85	10
	011961				USGS	---	7.0	27.5	240	---	82	8.0
	013183				PRASA	---	7.4	---	240	---	97	11
182654066211000	021280	70	63-70	Aguada	PRASA	---	7.4	---	220	10	81	5.7
	013183				PRASA	---	7.6	---	240	95	7.0	15

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	WELL DEPTH (In feet below surface)	SCREEN INTERVAL (In feet)	GEO-LOGIC UNIT	ANA-LY-SIS SOURCE	SPE-CIFIC CON-DUC-TANCE (UMHOS)	pH (STAN-DARD UNITS)	TEMPE-RATURE (DEG C)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS NONCAR-BONATE (MG/L CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)
1B2659066175500	050886	2128	* 155	Aymamón	USGS	700	8.01	24.5	250	---	89.0	6.70
	050986		* 235	Aymamón	USGS	650	7.97	25.0	260	---	92.0	6.60
	051986		* 835	Aguada	USGS	46000	7.65	26.5	---	---	---	---
	052886		* 975	Cibao	USGS	50000	7.68	26.0	---	---	---	---
	060586		* 1695	Quebrada Arenas	USGS	1400	8.62	28.0	43.0	---	7.30	5.40
	060586		* 1715	Río Indio	USGS	1250	8.58	27.0	34.0	---	5.90	4.10
	061086		* 1973	Mucarabones	USGS	3950	8.40	29.5	150	---	23.0	21.0
	061386		* 2115	Mucarabones	USGS	7000	7.28	25.5	280	---	40.0	40.0
182702066203100	083056	111	94-111	Aymamón	USGS	---	7.3	---	160	---	58	3.4
	100160				USGS	---	7.8	---	200	---	66	8.0
	021280				PRASA	---	7.5	---	220	15	83	5.1
	020283				PRASA	---	6.5	---	200	---	86	3.0
1B2707066164100	013183	105	46-105	Aymamón	PRASA	---	7.3	---	230	---	95	16
1B2712066203700	082969	100	60-100	Aymamón	PRASA	---	7.5	---	180	---	---	---
	021280				PRASA	---	7.4	---	200	31	80	7.9
	032583				PRASA	---	7.0	---	200	---	82	11
1B2735066172400	073071	111	---	Aymamón	OWNER	---	7.8	---	220	35	70	11
182749066172400	073071	73	---	Aymamón	OWNER	---	7.8	---	320	100	86	26
182750066204900	010163	82	46-89	Aymamón	USGS	620	7.6	---	---	---	---	---
182755066204200	111462	123	---	Aymamón	USGS	597	---	---	---	---	---	---
182758066200100	041063	80	60-80	Aymamón	USGS	559	8.2	---	170	---	64	2.1
182813066195100	041063	52	---		USGS	845	7.9	---	230	---	78	7.4
182815066192300	041063	65	---	Aymamón	USGS	512	7.9	---	180	---	67	3.6

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182315066185900	071377	---	---	---	---	---	---	20	---	---	370	---
	021580	---	---	---	---	---	---	53	---	---	500	---
	020283	23	---	2	---	---	10	36	0.0	10	446	---
182324066172500	092573	85	---	---	380	---	8.3	24	0.0	13	414	---
	022074	58	---	---	280	---	28	100	0.0	6.6	499	---
	021580	14	---	1	400	---	14	20	0.0	12	439	---
	012883	23	---	1	---	---	2.0	20	0.1	11	420	---
182330066185700	071377	2.0	---	---	350	---	9.0	20	0.0	8.6	370	---
	021580	19	---	2	330	---	5.0	53	0.0	12	500	---
182332066150400	102357	---	140	---	300	---	110	60	---	---	---	---
	102857	---	150	---	280	---	110	60	---	---	---	---
182446066155500	090181	7.6	---	3	150	---	7.5	17	0.1	5.1	---	---
	090182	14	---	2	240	---	8.0	27	0.1	8.0	---	---
	110182	16	---	2	250	---	9.0	32	<0.1	7.8	312	---
182446066194800	101059	---	6	---	260	---	5.4	26	0.8	8.0	---	---
	010565	---	11	---	320	---	1.2	34	0.2	8.5	---	---
	060366	---	15	---	330	---	6.4	40	0.3	9.4	---	---
	050167	---	10	---	310	---	6.4	30	0.0	7.8	---	---
	011668	---	22	---	370	---	4.4	39	0.1	8.5	---	---
	021280	22	---	2	360	---	13	45	0.0	13	451	---
182447066194800	091659	---	100	---	290	---	32	200	0.6	13	---	---
	020662	8.0	---	---	370	---	6.0	18	0.1	25	377	---
	010565	---	11	---	320	---	1.2	36	0.1	8.0	---	---
	060366	---	17	---	330	---	6.4	41	0.3	9.5	---	---
	021280	34	---	2	350	---	8.8	60	0.0	11	479	---
182452066220700	112271	5.1	---	---	290	---	3.0	22	0.0	9.0	298	---
	121076	6.0	---	---	---	---	2.0	19	0.0	---	321	---
	051078	13	---	1	270	---	6.0	22	0.0	4.0	313	---
	101880	---	---	---	---	---	---	21	---	---	265	---
182453066184300	041163	---	21	---	260	---	1.2	15	0.0	9.5	---	---
182456066192500	032558	---	10	---	270	---	7.0	18	0.1	8.2	---	---
182459066193400	091349	57	---	---	250	---	3.8	18	---	6.4	---	---
182504066195400	051167	---	8	---	320	---	6.0	30	0.0	13	---	---
182507066195000	042567	47	---	---	360	---	10	40	0.0	12	445	---
	021280	69	---	2	380	---	13	40	0.0	11	391	---
	013183	19	---	3	---	---	10	39	0.0	11	460	---
182511066195600	021280	32	---	1	370	---	10	32	0.0	11	407	---
	013183	17	---	1	---	---	20	45	0.0	11	476	---
182517066194100	022576	16	---	---	330	---	5.0	32	0.0	---	404	---
	021280	13	---	1	300	---	5.5	25	0.0	11	402	---
	090181	14	---	1	260	---	5.5	25	<0.1	8.0	---	---
	090182	15	---	1	260	---	6.0	25	0.1	8.3	---	---
182518066194300	112586	19.0	---	1.20	236	<0.500	20.0	29.0	<0.100	9.00	340	---
	112586	21.0	---	1.20	236	<0.500	12.0	34.0	<0.100	9.30	340	---
	112686	35.0	---	2.40	242	<0.500	17.0	34.0	0.200	12.0	350	---
	112686	300	---	17.0	461	<0.500	60.0	159	0.100	12.0	850	---
	112886	87.0	---	12.0	278	1.80	23.0	68.0	0.800	15.0	439	---
	120186	86.0	---	12.0	269	<0.500	24.0	70.0	0.600	15.0	439	---
	120286	50.0	---	11.0	299	15.0	44.0	49.0	0.600	20.0	460	---
182518066202100	030359	---	2	---	350	---	18	24	0.8	10	---	---
	013183	12	---	1	---	---	12	22	0.0	13	368	---
182524066202600	012767	12	---	---	370	---	13	20	0.0	36	388	---
	020667	12	---	---	370	---	10	20	0.0	34	393	---
	070178	110	---	6	290	---	35	210	0.0	22	796	---
182530066203300	021280	14	---	1	---	---	13	16	0.0	26	412	---
182531066203200	013162	---	8	---	370	---	6.0	18	0.1	25	---	---
182540066174100	032583	18	---	1	---	---	4.0	37	0.0	8.0	330	---
182540066175500	040968	---	2	---	290	---	4.0	20	0.0	14	---	---
	013183	13	---	3	---	---	2.0	34	0.0	8.0	365	---
182549066172700	013183	12	---	3	---	---	2.0	31	0.0	20	397	---
182559066222100	120679	15	---	---	260	---	5.7	22	---	6.5	342	---
	101880	22	---	1	210	---	5.2	21	0.0	7.9	265	---
182610066204700	090369	30	---	---	340	---	3.0	28	0.0	27	473	---
	021280	45	---	1	360	---	6.5	18	0.0	25	412	---
	013183	24	---	1	---	---	7.0	25	0.1	23	356	---
182623066181400	020283	11	---	0.8	---	---	1.0	25	0.0	8.0	334	---
182625066195000	032078	12	---	---	290	---	4.0	21	0.0	6.6	302	---
182631066164000	010463	---	---	---	200	---	---	16	---	6.0	---	---
182636066164200	080158	---	0.7	---	250	---	5.3	20	0.0	9.6	---	---
	012165	---	2	---	270	---	2.0	19	0.1	7.5	---	---
	021665	---	6	---	200	---	1.6	18	0.1	7.5	---	---
	060366	---	8	---	260	---	4.0	18	0.1	8.2	---	---
	090181	12	---	0.6	230	---	3.3	24	<0.1	8.0	---	---
	090182	12	---	0.8	230	---	4.0	21	0.1	8.1	---	---
	020283	0.5	---	0.9	---	---	20	27	0.0	11	349	---
182653066161700	112960	---	28	---	230	---	7.0	74	0.0	9.4	---	---
	011961	---	4	---	210	---	14	34	0.2	14	---	---
	013183	38	---	1	---	---	8.0	80	0.0	8.0	446	---

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	SOOIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS Na+K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, DIS-SOLVED (MG/L AS HCO3)	SULFIDE TOTAL (MG/L AS S)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	TOTAL DIS-SOLVED SOLIDS (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
182654066211000	021280	20	---	1	260	---	6.2	28	0.0	9.0	335	---
	013183	15	---	1	---	---	2.0	33	0.0	10	369	---
182659066175500	050886	28.0	---	1.00	203	<0.500	15.0	61.0	0.100	5.60	330	---
	050986	21.0	---	1.00	163	<0.500	14.0	46.0	0.100	4.80	280	---
	051986	---	---	>10.0	---	1.90	2900	---	0.100	---	---	---
	052886	---	---	>10.0	---	2.20	2700	---	0.200	---	---	---
	060586	250	---	>10.0	342	14.0	170	51.0	3.70	10.0	719	---
	060586	250	---	>10.0	357	12.0	---	---	---	8.60	---	---
	061086	670	---	>10.0	285	9.60	630	510	6.80	14.0	2100	---
	061386	840	---	>10.0	220	1.80	660	940	6.20	2.50	2700	---
182702066203100	083056	---	28	---	200	---	8.2	27	0.0	5.0	---	---
	100160	---	4	---	200	---	7.2	28	0.0	5.3	---	---
	021280	24	---	1	260	---	15	35	0.0	9.0	328	---
	020283	1.0	---	1	---	---	16	36	0.0	7.0	370	---
182707066164100	013183	71	---	2	---	---	21	150	0.0	10	551	---
182712066203700	082969	---	---	---	---	---	---	47	---	---	310	---
	021280	15	---	2	250	---	13	39	0.0	11	338	---
	032583	13	---	1	---	---	19	43	0.0	10	374	---
182735066172400	073071	22	---	0.7	220	---	8.2	52	0.0	12	288	---
182749066172400	073071	91	---	3	260	---	26	200	0.1	10	572	---
182750066204900	010163	---	---	---	250	---	---	63	---	6.0	---	---
182755066204200	111462	---	---	---	---	---	---	72	---	---	---	---
182758066200100	041063	---	46	---	200	---	2.0	6.2	0.0	14	---	---
182813066195100	041063	---	84	---	260	---	16	120	0.0	13	---	---
182815066192300	041063	---	36	---	240	---	0.8	46	0.0	15	---	---

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182315066185900	071377	---	---	---	---	---	---	---	---	---	---	230	0
	021580	---	---	---	---	---	---	---	---	---	---	1080	24
	020283	4.7	---	---	---	---	---	---	---	---	---	250	0
182324066172500	092573	1.4	---	0.00	---	---	---	---	---	0.07	---	0.0	0
	022074	2.8	---	0.00	---	---	---	---	---	0.03	0	0.0	0
	021580	0.97	---	0.00	---	---	---	---	---	0.01	---	120	22
	012883	2.2	---	---	---	---	---	---	---	---	---	20	0
182330066185700	071377	4.9	---	0.00	---	---	---	---	---	0.00	---	230	0
	021580	7.7	---	0.00	---	---	---	---	---	0.03	---	1800	24
182332066150400	102357	---	---	---	---	---	---	---	---	---	---	---	---
	102857	---	---	---	---	---	---	---	---	---	---	---	---
182446066155500	090181	---	---	---	1.3	---	---	---	---	---	---	100	10
	090182	---	---	---	2.6	---	---	---	---	0.01	---	<3.0	<1
	110182	---	---	<0.01	2.5	0.08	0.10	---	---	0.02	---	<7.0	3
182446066194800	101059	5.3	---	---	---	---	---	---	---	---	---	---	---
	010565	18	---	---	---	---	---	---	---	---	---	---	---
	060366	20	---	---	---	---	---	---	---	---	---	---	---
	050167	13	---	---	---	---	---	---	---	---	---	---	---
	011668	18	---	---	---	---	---	---	---	---	---	---	---
	021280	0.53	---	2.3	---	---	---	---	---	0.00	---	160	15
182447066194800	091659	0.20	---	---	---	---	---	---	---	---	---	---	---
	020662	4.3	---	0.00	---	---	---	---	---	0.10	0	0.0	0
	010565	13	---	---	---	---	---	---	---	---	---	---	---
	060366	21	---	---	---	---	---	---	---	---	---	---	---
	021280	5.1	---	0.00	---	---	---	---	---	0.00	---	100	10
182452066220700	112271	7.2	---	0.00	---	---	---	---	---	0.00	0	20	0
	121076	---	---	---	---	---	---	---	---	---	---	100	0
	051078	22	---	0.00	---	---	---	---	---	0.05	---	230	0
	101880	---	---	---	---	---	---	---	---	---	---	90	0
182453066184300	041163	4.0	---	---	---	---	---	---	---	---	---	---	---
182456066192500	032558	11	---	---	---	---	---	---	---	---	---	---	---
182459066193400	091349	---	---	---	---	---	---	---	---	---	---	---	---
182504066195400	051167	18	---	---	---	---	---	---	---	---	---	---	---
182507066195000	042567	11	---	0.00	---	---	---	---	---	0.00	---	50	0
	021280	5.8	---	0.01	---	---	---	---	---	0.00	---	220	15
	013183	6.2	---	---	---	---	---	---	---	---	---	0.0	0
182511066195600	101280	3.0	---	0.00	---	---	---	---	---	0.00	---	180	16
182517066194100	020576	36	---	0.00	---	---	---	---	---	---	0	50	0
	021280	6.3	---	0.00	---	---	---	---	---	0.00	---	90	21
	090181	---	---	---	7.8	---	---	---	---	---	---	40	<10
	090182	---	---	---	8.0	---	---	---	---	0.00	---	<3.0	<1
182518066194300	112586	---	---	---	5.10	---	---	---	---	---	6.00	---	20.0
	112586	---	---	---	6.60	---	---	---	---	---	3.00	---	15.0
	112686	---	---	---	4.90	---	---	---	---	---	<3.0	---	15.0
	112686	---	---	---	<0.100	---	---	---	---	---	3.00	---	14.0
	112886	---	---	---	<0.100	---	---	---	---	---	5.00	---	17.0
	120186	---	---	---	<0.100	---	---	---	---	---	<3.00	---	15.0
	120286	---	---	---	<0.100	0.110	---	0.300	0.021	---	130	---	21.0
182518066202100	030359	3.1	---	---	---	---	---	---	---	---	---	---	---
	013183	2.2	---	---	---	---	---	---	---	---	---	0.0	0
182524066202600	012767	1.3	---	0.01	---	---	---	---	---	0.20	100	150	0
	020667	5.3	---	0.01	---	---	---	---	---	0.25	0	50	0
	070178	6.7	---	0.00	---	---	---	---	---	0.06	---	10	0
182530066203300	021280	1.3	---	---	---	---	---	---	---	---	---	0.0	40
182531066203200	013162	4.3	---	---	---	---	---	---	---	---	---	---	---
182540066174100	032583	2.0	---	---	---	---	---	---	---	---	---	0.0	0
182540066175500	040968	2.2	---	---	---	---	---	---	---	---	---	---	---
	013183	3.6	---	---	---	---	---	---	---	---	---	110	0
182549066172700	013183	4.2	---	---	---	---	---	---	---	---	---	40	0
182559066222100	120679	35	---	0.00	---	---	---	---	---	0.00	---	100	0
	101880	5.2	---	0.00	---	---	---	---	---	0.00	---	90	0
182610066204700	090369	44	---	0.00	---	---	---	---	---	0.05	100	200	0
	021280	1.4	---	0.00	---	---	---	---	---	0.16	---	70	11
	013183	1.8	---	---	---	---	---	---	---	---	---	160	0
182623066181400	020283	4.2	---	---	---	---	---	---	---	---	---	0.0	0
182625066195000	032078	13	---	0.00	---	---	---	---	---	0.12	---	300	0
182631066164000	010463	---	---	---	---	---	---	---	---	---	---	---	---
182636066164200	080158	6.6	---	---	---	---	---	---	---	---	---	---	---
	012165	4.9	---	---	---	---	---	---	---	---	---	---	---
	021665	9.8	---	---	---	---	---	---	---	---	---	---	---
	060366	11	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	3.9	---	---	---	---	---	---	30	<10
	090182	---	---	---	4.2	---	---	---	---	0.01	---	<3.0	<1
	020283	0.00	---	---	---	---	---	---	---	---	---	0.0	0
182653066161700	112960	12	---	---	---	---	---	---	---	---	---	---	---
	011961	15	---	---	---	---	---	---	---	---	---	---	---
	013183	4.4	---	---	---	---	---	---	---	0.00	---	180	0
182654066211000	021280	2.9	---	0.00	---	---	---	---	---	---	---	180	11
	013183	4.0	---	---	---	---	---	---	---	---	---	0.0	0

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION IO	DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	NITROGEN AMMONIA+ ORGANIC DISSOLVED (MG/L AS NH4+ORG)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)	IRON, DISSOLVED (UG/L AS Fe)	IRON, TOTAL (UG/L AS Fe)	MANGANESE DISSOLVED (UG/L AS Mn)
182659066175500	050886	---	---	---	<0.100	0.080	---	0.300	0.021	---	6.00	---	16.0
	050986	---	---	---	0.320	0.050	---	0.200	<0.010	---	<3.00	---	11.0
	051986	---	---	---	<0.100	0.740	---	0.500	0.010	---	---	---	---
	052886	---	---	---	<0.100	0.770	---	0.800	0.010	---	---	---	---
	060586	---	---	---	<0.100	0.380	---	0.400	0.010	---	34.0	---	8.00
	060586	---	---	---	---	---	---	---	---	---	40.0	---	7.00
	061086	---	---	---	<0.100	0.640	---	0.800	0.100	---	730	---	26.0
	061386	---	---	---	<0.100	1.00	---	1.10	<0.010	---	9800	---	720
182702066203100	083056	12	---	---	---	---	---	---	---	---	---	---	---
	100160	0.10	---	---	---	---	---	---	---	---	---	---	---
	021280	1.4	---	0.02	---	---	---	---	---	0.06	---	340	33
	020283	5.8	---	---	---	---	---	---	---	---	---	210	0
182707066164100	013183	1.8	---	---	---	---	---	---	---	---	---	0.0	0
182712066203700	082969	---	---	---	---	---	---	---	---	---	---	200	0
	021280	0.11	---	0.05	---	---	---	---	---	0.00	---	150	88
	032583	0.30	---	---	---	---	---	---	---	---	---	0.0	0
182735066172400	073071	1.2	---	---	---	---	---	---	---	0.00	---	---	---
182749066172400	073071	0.30	---	---	---	---	---	---	---	0.00	---	---	---
182750066204900	010163	---	---	---	---	---	---	---	---	---	---	---	---
182755066204200	111462	---	---	---	---	---	---	---	---	---	---	---	---
182758066200100	041063	14	---	---	---	---	---	---	---	---	---	---	---
182813066195100	041063	6.4	---	---	---	---	---	---	---	---	---	---	---
182815066192300	041063	0.00	---	---	---	---	---	---	---	---	---	---	---

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182315066185900	071377	---	---	---	---	---	---	---	---	---	---	---	---
	021580	---	---	---	---	---	---	---	---	---	---	---	---
	020283	---	---	---	---	---	---	---	---	---	---	---	---
182324066172500	092573	20	---	---	---	---	---	---	---	---	---	---	---
	022074	25	---	---	---	---	---	---	---	---	---	---	---
	021580	25	---	---	---	---	---	---	---	0	0	---	---
	012883	---	---	---	---	---	---	---	---	---	---	---	---
182330066185700	071377	20	---	---	---	---	---	---	---	---	---	---	---
	021580	17	---	---	---	---	---	---	---	0	0	---	---
182332066150400	102357	---	---	---	---	---	---	---	---	---	---	---	---
	102857	---	---	---	---	---	---	---	---	---	---	---	---
182446066155500	090181	---	2.6	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	110182	---	---	---	0.00	1	28	<1.0	20	1	<1	---	---
182446066194800	101059	---	---	---	---	---	---	---	---	---	---	---	---
	010565	---	---	---	---	---	---	---	---	---	---	---	---
	060366	---	---	---	---	---	---	---	---	---	---	---	---
	050167	---	---	---	---	---	---	---	---	---	---	---	---
	011668	---	---	---	---	---	---	---	---	---	---	---	---
	021280	46	---	---	---	---	---	---	---	0	0	---	---
182447066194800	091659	---	---	---	---	---	---	---	---	---	---	---	---
	020662	25	---	---	---	---	---	---	---	---	---	---	---
	010565	---	---	---	---	---	---	---	---	---	---	---	---
	060366	---	---	---	---	---	---	---	---	---	---	---	---
	021280	45	---	---	---	---	---	---	---	0	<10	---	---
182452066220700	112271	15	---	---	---	---	---	---	---	---	---	---	---
	121076	---	---	---	---	---	---	---	---	---	---	---	---
	051078	28	---	---	---	---	---	---	---	---	---	---	---
	101880	---	---	---	---	---	---	---	---	---	---	---	---
182453066184300	041163	---	---	---	---	---	---	---	---	---	---	---	---
182456066192500	032558	---	---	---	---	---	---	---	---	---	---	---	---
182459066193400	091349	---	---	---	---	---	---	---	---	---	---	---	---
182504066195400	051167	---	---	---	---	---	---	---	---	---	---	---	---
182507066195000	042567	20	---	---	---	---	---	---	---	---	---	---	---
	021280	31	---	---	---	---	---	---	---	0	<10	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182511066195600	021280	49	---	---	---	---	---	---	---	0	<10	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182517066194100	022576	60	---	---	---	---	---	---	---	---	---	---	---
	021280	27	---	---	---	---	---	---	---	0	0	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182518066194300	112586	---	---	---	---	<1.00	29.0	<0.500	30.0	<1.00	---	0.010	---
	112586	---	---	---	---	<1.00	30.0	<0.500	30.0	<1.00	---	0.005	---
	112686	---	---	---	---	<1.00	35.0	<0.500	50.0	<1.00	---	0.007	---
	112686	---	---	---	---	2.00	65.0	<0.500	1900	<1.00	---	0.061	---
	112886	---	---	---	---	<1.00	140	<0.500	179	<1.00	---	0.019	---
	120186	---	---	---	---	<1.00	140	<0.500	170	<1.00	---	0.018	---
	120286	---	---	0.600	---	1.00	180	<0.500	80.0	<1.00	---	0.023	---
182518066202100	030359	---	---	---	---	---	---	---	---	---	---	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182524066202600	012767	105	---	---	---	---	---	---	---	---	---	---	---
	020667	135	---	---	---	---	---	---	---	---	---	---	---
	070178	35	---	---	---	---	---	---	---	---	---	---	---
182530066203300	021280	---	---	---	---	---	---	---	---	---	---	---	---
182531066203200	013162	---	---	---	---	---	---	---	---	---	---	---	---
182540066174100	032583	---	---	---	---	---	---	---	---	---	---	---	---
182540066175500	040968	---	---	---	---	---	---	---	---	---	---	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182549066172700	013183	---	---	---	---	---	---	---	---	---	---	---	---
182559066222100	120679	14	---	---	---	---	---	---	---	---	---	---	---
	101880	44	---	---	---	---	0.0	---	---	0	0	---	---
182610066204700	090369	208	---	---	---	---	---	---	---	---	---	---	---
	021280	36	---	---	---	---	---	---	---	0	<10	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182623066181400	020283	---	---	---	---	---	---	---	---	---	---	---	---
182625066195000	032078	28	---	---	---	---	---	---	---	---	---	---	---
182631066164000	010463	---	---	---	---	---	---	---	---	---	---	---	---
182636066164200	080158	---	---	---	---	---	---	---	---	---	---	---	---
	012165	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	060366	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	0.0	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	020283	---	---	---	---	---	---	---	---	---	---	---	---
182653066161700	112960	---	---	---	---	---	---	---	---	---	---	---	---
	011961	---	---	---	---	---	---	---	---	---	---	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182654066211000	021280	19	---	---	---	---	---	---	---	0	10	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	CARBON ORGANIC TOTAL (MG/L AS C)	CARBON ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS As)	BARIUM DIS-SOLVED (UG/L AS Ba)	BERY-LLIUM DIS-SOLVED (UG/L AS Be)	BORON DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHRO-MIUM DIS-SOLVED (UG/L AS Cr)	IODIDE DIS-SOLVED (MG/L AS I)	BROMIDE DIS-SOLVED (MG/L AS Br)
182659066175500	050886	---	---	1.80	---	6.00	16.0	<0.500	30.0	<1.00	---	0.026	0.200
	050986	---	---	1.00	---	2.00	16.0	<0.500	30.0	<1.00	---	0.010	0.170
	051986	---	---	0.800	---	---	---	---	---	---	---	---	---
	052886	---	---	0.500	---	2.00	---	---	3500	---	---	---	---
	060586	---	---	1.40	---	<1.00	30.0	<0.500	400	<1.00	---	0.031	0.120
	060586	---	---	1.80	---	<1.00	28.0	<0.500	410	<1.00	---	---	---
	061086	--	5.80	---	---	<1.00	69.0	2.00	980	3.00	---	0.200	1.20
	061386	---	19.0	---	---	<1.00	100	2.00	820	3.00	---	0.200	3.00
182702066203100	083056	---	---	---	---	---	---	---	---	---	---	---	---
	100160	---	---	---	---	---	---	---	---	---	---	---	---
	021280	14	---	---	---	---	---	---	---	0	0	---	---
	020283	---	---	---	---	---	---	---	---	---	---	---	---
182707066164100	013183	---	---	---	---	---	---	---	---	---	---	---	---
182712066203700	082969	---	---	---	---	---	---	---	---	---	---	---	---
	021280	15	---	---	---	---	---	---	---	0	<10	---	---
	032583	---	---	---	---	---	---	---	---	---	---	---	---
182735066172400	073071	---	---	---	---	---	---	---	---	---	---	---	---
182749066172400	073071	---	---	---	---	---	---	---	---	---	---	---	---
182750066204900	010163	---	---	---	---	---	---	---	---	---	---	---	---
182755066204200	111462	---	---	---	---	---	---	---	---	---	---	---	---
182758066200100	041063	---	---	---	---	---	---	---	---	---	---	---	---
182813066195100	041063	---	---	---	---	---	---	---	---	---	---	---	---
182815066192300	041063	---	---	---	---	---	---	---	---	---	---	---	---

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182315066185900	071377	---	---	---	---	---	---	---	---	---	---	---	---
	021580	---	---	---	---	---	---	---	---	---	---	---	---
	020283	---	---	---	---	---	---	---	---	---	---	---	---
182324066172500	092573	---	---	---	---	---	---	---	---	---	---	---	---
	022074	---	---	---	---	---	---	---	---	---	---	---	---
	021580	---	---	0	---	---	---	---	---	---	0	0.8	0
	012883	---	---	---	---	---	---	---	---	---	---	---	---
182330066185700	071377	---	---	---	---	---	---	---	---	---	---	---	---
	021580	---	---	0	---	---	---	---	---	---	0	1.3	0
182332066150400	102357	---	---	---	---	---	---	---	---	---	---	---	---
	102857	---	---	---	---	---	---	---	---	---	---	---	---
182446066155500	090181	---	---	---	---	---	---	---	---	---	---	---	---
	091082	---	---	---	---	---	---	---	---	---	---	---	---
	110182	<3.0	<10	<10	<10	120	<6.0	<4.0	10	<4.0	<1	<0.1	---
182446066194800	101059	---	---	---	---	---	---	---	---	---	---	---	---
	010565	---	---	---	---	---	---	---	---	---	---	---	---
	060366	---	---	---	---	---	---	---	---	---	---	---	---
	050167	---	---	---	---	---	---	---	---	---	---	---	---
	011668	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	0	---	---	---	---	---	---	0	0.2	0
182447066194800	091659	---	---	---	---	---	---	---	---	---	---	---	---
	020662	---	---	---	---	---	---	---	---	---	---	---	---
	010565	---	---	---	---	---	---	---	---	---	---	---	---
	060366	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	0	---	---	---	---	---	---	0	0.3	0
182452066220700	112271	---	---	---	---	---	---	---	---	---	---	---	---
	121076	---	---	---	---	---	---	---	---	---	---	---	---
	051078	---	10	---	---	---	---	---	---	---	---	---	---
	101880	---	---	---	---	---	---	---	---	---	---	---	---
182453066184300	041163	---	---	---	---	---	---	---	---	---	---	---	---
182456066192500	032558	---	---	---	---	---	---	---	---	---	---	---	---
182459066193400	091349	---	---	---	---	---	---	---	---	---	---	---	---
182504066195400	051167	---	---	---	---	---	---	---	---	---	---	---	---
182507066195000	042567	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	0	---	---	---	---	---	---	0	1.0	0
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182511066195600	021280	---	---	2	---	---	---	---	---	---	0	0.3	0
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182517066194100	022576	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	4	---	---	---	---	---	---	0	0.4	0
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
182518066194300	112586	<3.00	<10.0	<10.0	<10.0	92.0	<6.00	12.0	---	10.0	2.00	<0.100	---
	112586	<3.00	<10.0	<10.0	<10.0	109	<6.00	6.00	---	10.0	1.00	---	---
	112686	<3.00	<10.0	<10.0	<10.0	259	<6.00	10.0	---	10.0	1.00	<0.100	---
	112686	<3.00	<10.0	<10.0	20.0	1299	<6.00	4.00	---	15.0	<1.00	<0.100	---
	112886	<3.00	<10.0	<10.0	<10.0	6699	<6.00	5.00	---	19.0	<1.00	0.200	---
	120186	<3.00	<10.0	<10.0	10.0	8000	<6.00	5.00	---	19.0	<1.00	2.80	---
	120286	<3.00	<10.0	<10.0	30.0	11000	<6.00	7.00	70.0	23.0	1.00	<0.100	---
182518066202100	030359	---	---	---	---	---	---	---	---	---	---	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182524066202600	012767	---	---	---	---	---	---	---	---	---	---	---	---
	020667	---	---	---	---	---	---	---	---	---	---	---	---
	070178	---	---	---	---	---	---	---	---	---	---	---	---
182524066194800	021280	---	40	---	---	---	---	---	---	---	---	---	---
182530066203300	021280	---	---	---	---	---	---	---	---	---	---	---	---
182531066203200	013162	---	---	---	---	---	---	---	---	---	---	---	---
182540066174100	032583	---	---	---	---	---	---	---	---	---	---	---	---
182540066175500	040968	---	---	---	---	---	---	---	---	---	---	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182549066172700	013183	---	---	---	---	---	---	---	---	---	---	---	---
182559066222100	120679	---	---	---	---	---	---	---	---	---	---	---	---
	101880	---	---	0	---	---	---	---	---	---	---	2.4	0
182610066204700	090369	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	2	0.3	0
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182618066161000	120578	---	---	<1	---	---	---	---	---	---	---	---	---
182623066181400	020283	---	---	---	---	---	---	---	---	---	---	---	---
182625066195000	032078	---	---	---	---	---	---	---	---	---	---	---	---
182631066164000	010463	---	---	---	---	---	---	---	---	---	---	---	---
182636066164200	080158	---	---	---	---	---	---	---	---	---	---	---	---
	012165	---	---	---	---	---	---	---	---	---	---	---	---
	021665	---	---	---	---	---	---	---	---	---	---	---	---
	060366	---	---	---	---	---	---	---	---	---	---	---	---
	090181	---	---	---	---	---	---	---	---	---	---	---	---
	090182	---	---	---	---	---	---	---	---	---	---	---	---
	020283	---	---	---	---	---	---	---	---	---	---	---	---
182653066161700	112960	---	---	---	---	---	---	---	---	---	---	---	---
	011961	---	---	---	---	---	---	---	---	---	---	---	---
	013183	---	---	---	---	---	---	---	---	---	---	---	---

Table 22B. Well completion and water-quality data for selected wells and springs in the Vega Alta quadrangle (continued)

STATION ID	DATE	COBALT DIS-SOLVED (UG/L AS Co)	COPPER DIS-SOLVED (UG/L AS Cu)	LEAD DIS-SOLVED (UG/L AS Pb)	MOLYB-DENUM DIS-SOLVED (UG/L AS Mo)	STRON-TIUM DIS-SOLVED (UG/L AS Sr)	VANA-DIUM DIS-SOLVED (UG/L AS V)	ZINC DIS-SOLVED (UG/L AS Zn)	ALUMI-NUM DIS-SOLVED (UG/L AS Al)	LITHIUM DIS-SOLVED (UG/L AS Li)	SELE-NIUM DIS-SOLVED (UG/L AS Se)	MER-CURY, DIS-SOLVED (UG/L AS Hg)	SILVER DIS-SOLVED (MG/L AS Ag)
182654066211000	021280	---	---	6	---	---	---	---	---	---	0	0.6	0
	013183	---	---	---	---	---	---	---	---	---	---	---	---
182659066175500	050886	<3.00	<10.0	<10.0	<10.0	76.0	<6.00	23.0	10.0	8.00	<1.00	---	---
	050986	<3.00	<10.0	<10.0	<10.0	80.0	<6.00	3.00	20.0	7.00	<1.00	---	---
	051986	---	---	---	---	---	---	---	---	---	---	---	---
	052886	---	---	---	---	---	---	---	---	---	---	---	---
	060586	<3.00	<10.0	<10.0	<10.0	2900	<6.00	4.00	40.0	29.0	<1.00	---	---
	060586	<3.00	<10.0	<10.0	10.0	1799	<6.00	4.00	40.0	30.0	<1.00	---	---
	061086	9.00	<30.0	<30.0	<30.0	6600	<18.0	13.0	430	75.0	2.00	---	---
	061386	<9.00	<30.0	<30.0	40.0	9400	<18.0	23.0	<10.0	83.0	<1.00	---	---
182702066203100	083056	---	---	---	---	---	---	---	---	---	---	---	---
	100160	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.3	0
	020283	---	---	---	---	---	---	---	---	---	---	---	---
182707066164100	013183	---	---	---	---	---	---	---	---	---	---	---	---
182712066203700	082969	---	---	---	---	---	---	---	---	---	---	---	---
	021280	---	---	2	---	---	---	---	---	---	0	0.5	0
	032583	---	---	---	---	---	---	---	---	---	---	---	---
182735066172400	073071	---	---	---	---	---	---	---	---	---	---	---	---
182749066172400	073071	---	---	---	---	---	---	---	---	---	---	---	---
182750066204900	010163	---	---	---	---	---	---	---	---	---	---	---	---
182755066204200	111462	---	---	---	---	---	---	---	---	---	---	---	---
182758066200100	041063	---	---	---	---	---	---	---	---	---	---	---	---
182813066195100	040163	---	---	---	---	---	---	---	---	---	---	---	---
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