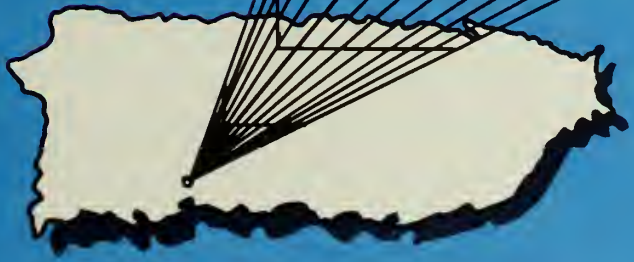
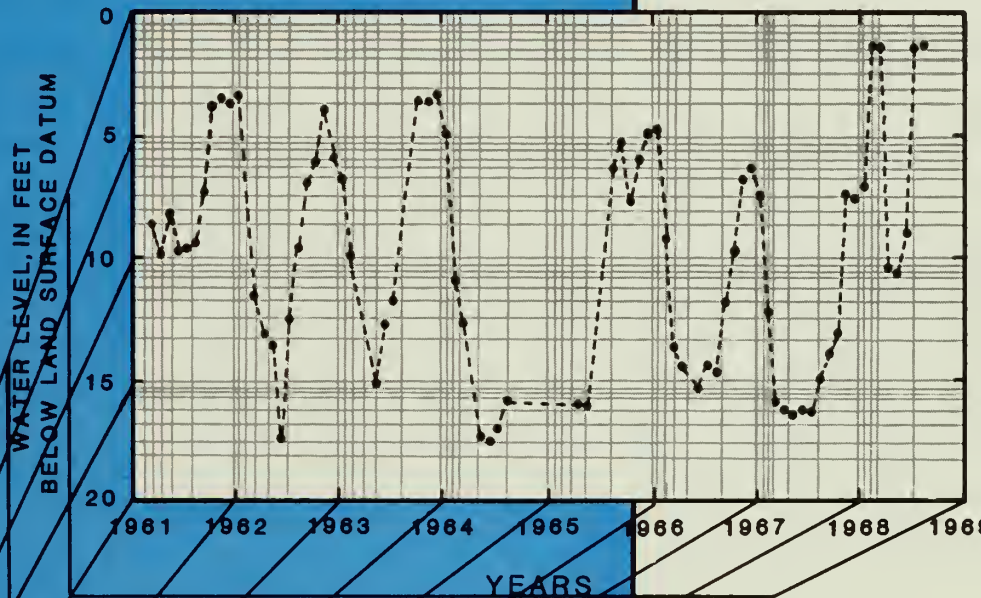


# COMPILATION OF GROUND-WATER LEVEL MEASUREMENTS OBTAINED BY THE UNITED STATES GEOLOGICAL SURVEY IN PUERTO RICO, 1958 - 1985


VII 5



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# COMPILATION OF GROUND-WATER LEVEL MEASUREMENTS OBTAINED BY THE UNITED STATES GEOLOGICAL SURVEY IN PUERTO RICO, 1958-1985

By Sigfredo Torres-González

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U.S. GEOLOGICAL SURVEY

Open-File Data Report 88-701



San Juan, Puerto Rico  
1991

**U.S. DEPARTMENT OF THE INTERIOR  
MANUEL LUJAN, JR., Secretary  
U.S. GEOLOGICAL SURVEY  
Dallas L. Peck, Director**

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P.O. Box 364424  
San Juan, Puerto Rico 00936-4424**

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## CONVERSION FACTORS

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

<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain SI units</u>
inch (in.)	25.4	millimeter (mm)
feet (ft)	0.3048	meter (m)



# COMPILATION OF GROUND-WATER LEVEL MEASUREMENTS OBTAINED BY THE UNITED STATES GEOLOGICAL SURVEY IN PUERTO RICO, 1958-1985

By Sigfredo Torres-González

## ABSTRACT

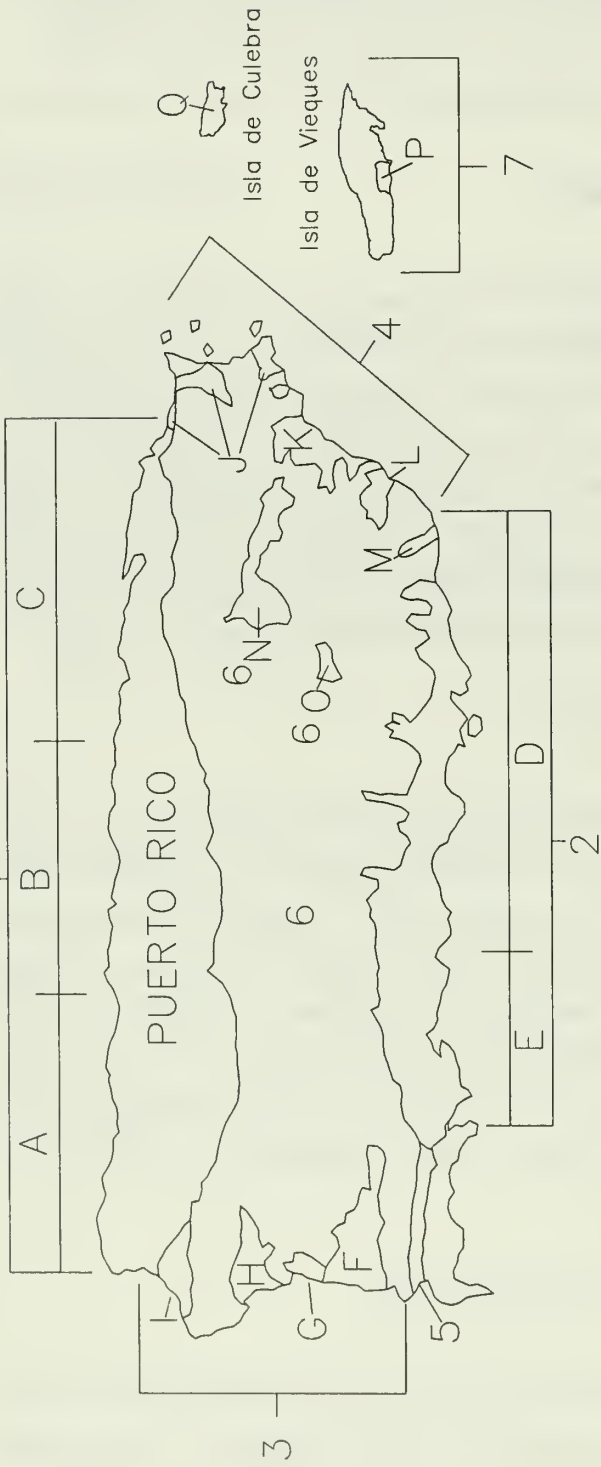
A digital compilation of ground-water levels in Puerto Rico was prepared as part of the Caribbean Islands Regional Aquifer-System Analysis program. Of special interest are the ground-water level measurements obtained on a routine basis at wells located in different aquifer areas or provinces. Data from 181 observation wells were entered in a computer data base. The data base includes the following: well name, site identification number, aquifer area, depth of well, local number, local office number, year of record, construction date, earliest ground-water level and date reported, owner, diameter of well, and ground-water level fluctuations for various time periods between 1958 and 1985. The data include the conditions which may have affected ground-water level measurements. If several ground-water level measurements are available during a month the lowest water level was reported.

## INTRODUCTION

The U.S. Geological Survey (USGS) has routinely collected data on ground-water levels at observation wells in different aquifer areas in Puerto Rico since 1958 (fig. 1). The information is available to the public in printed format on a yearly basis as part of the Water Resources Data publication series. To make the information more accessible, the data were compiled, reformatted, and entered into a computer data base. The data presented in this report provides ground-water level measurements for 181 wells between 1958 and 1985. An important element of the Caribbean Islands Regional Aquifer System-Analysis (RASA) program is the compilation of data related to the island aquifers into automated data bases. Of special interest are the water-level measurements routinely obtained at observation wells. The water level of wells selected for routine observations represent the water levels of the aquifer regions of Puerto Rico.

## EXPLANATION OF DATA PRESENTED

Ground-water level measurements from 181 observation wells in Puerto Rico are compiled and presented in this report. In table 1, wells are identified by name and organized according to aquifer area. The following information is provided: the USGS site identification number, aquifer area (refer to fig. 1), depth of well, local number (fig. 2), local office number, years of available records, construction date, and the earliest water level reported.



EXPLANATION

AQUIFER AREAS

- 1—North Coast Province
- 2—South Coast Province
- 3—West Coast Province
- 4—East Coast Province
- 5—Lajas Valley
- 6—Interior Province
- 7—Vieques and Culebra Islands

SUBAREAS

- A. West Coast to Río Grande de Arecibo
- B. Río Grande de Arecibo to Río de La Plata
- C. Río de La Plata to Río Espíritu Santo
- D. Patillas to Ponce
- E. Tallaboa—Guayanilla—Yauco—Guánica
- F. Río Guanajibo Valley
- G. Río Yagüez Valley
- H. Río Grande de Añasco Valley
- I. Río Culebrinas Valley
- J. Fajardo
- K. Naguabo—Humacao
- L. Yabucoa
- M. Maunabo
- N. Caguas—Juncos Valley
- O. Cayey Valley
- P. Esperanza Valley
- Q. Isla de Culebra

Figure 1—Aquifer areas and subareas in Puerto Rico.

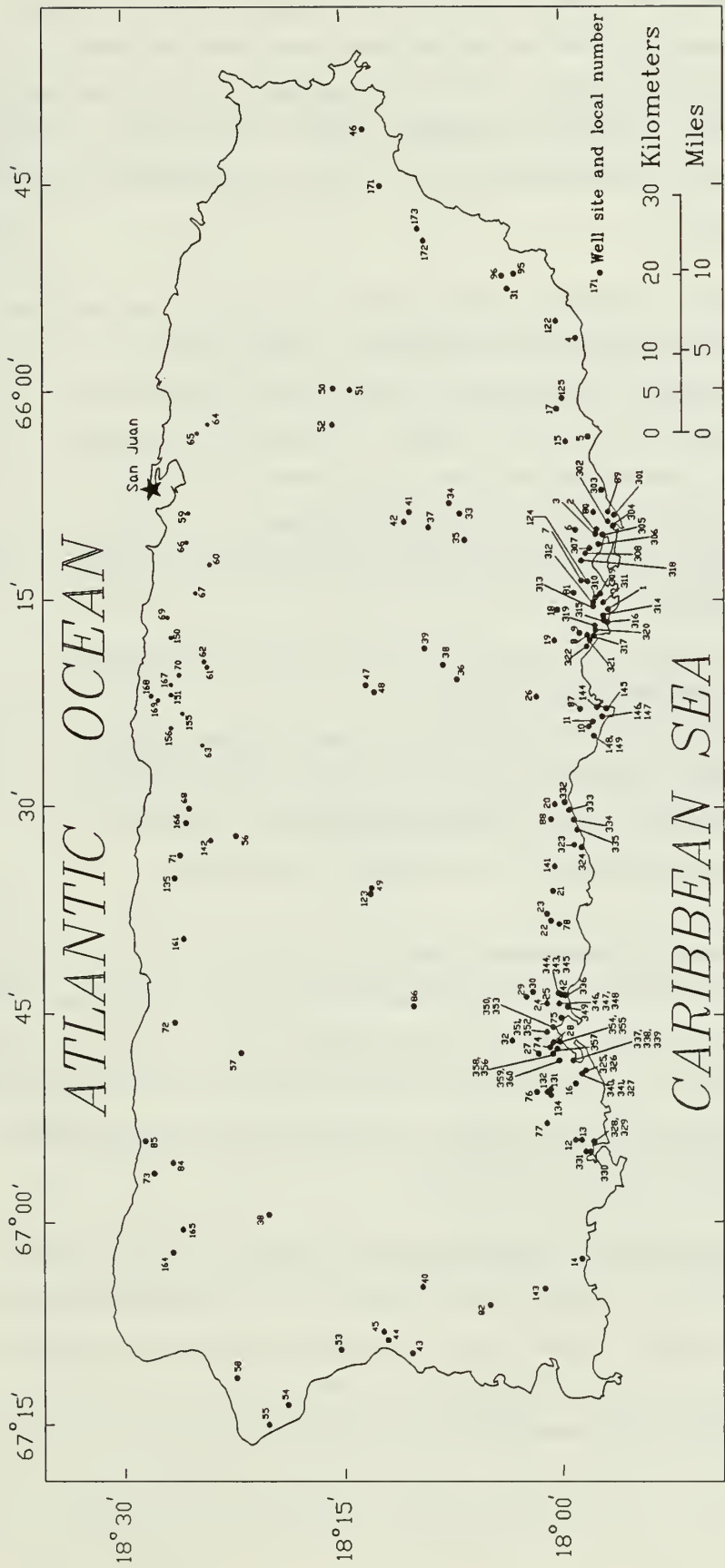


Figure 2.--Location of observation wells on Puerto Rico.

The USGS site identification number is based on the grid system of latitude and longitude. This system provides the geographic location of the well and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude; the next 7 digits denote degrees, minutes, and seconds longitude; and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid. The local number is a number given to wells sequentially as they were added to the observation well network. The local numbers are shown in figure 2.

The local office number was used to identify well sites in the past, but has been replaced by the site identification number. The local office number, 28-66.56-01-077, contains four parts:

- 28 -- is the minute of latitude of the southeast corner of the 1-minute quadrilateral in which the well is located. The degrees of latitude have been omitted because most of the island of Puerto Rico lies between 18 degrees 00 minutes and 18 degrees 30 minutes.
- 66.56 -- is the degree and minute of longitude of the southeast corner of this quadrangle.
- 01 -- is an arbitrary number representing the order in which the well, within the quadrilateral, was inventoried.
- 77 -- is the number that identifies one of 100 small rectangles within the 1-minute quadrilateral, in which the well is located. The rectangles are numbered from left to right starting with the upper tier and proceeding, left to right, through each tier of rectangles to the lowest tier.

A compilation of water-level measurements is presented in feet, for each month, for the years for which records are available. The data are arranged by well in order of aquifer area. The conditions under which these measurements were taken are indicated. Depth to water measurements were in many types of wells, such as domestic, public water supply, or observation well, either active or abandoned, and under varying conditions (static, pumping, and recently pumped); however, the equipment and techniques used ensured that measurements made at each well were consistent under a given set of conditions.

Water-level measurements are given in feet with reference either to mean sea level (MSL) or land-surface datum (LSD). For the wells that had several monthly measurements, the lowest water level (represented by the greatest depth to water) was reported. Negative water-level measurements indicate a piezometric head higher than LSD or MSL. The blank spaces in the compilation indicate that data were not available for a given month. Hydrographs of ground-water levels from representative wells in each aquifer area show the long-term water level trend (figs. 3 through 48).

Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985  
 †\*, approximated date; †, well constructed sometime within this period;  
 SITE-ID, Latitude and Longitude in degrees, minutes and seconds;  
 --, indicates data not available]

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
MATEO P., BO. SALITOS	182422067015100	1A	200	165	24-67.01-01-062	1982-1985		
ROCHA MOCA	182538067015900	1A	200	164	25-67.01-01-031	1982-1985		
LAS CUNETAS, ARECIBO	182640066452300	1A	211	72	26-66.45-01-037	1960-1969	199 (10/24/60)	
QUEBRADILLAS NO. 1	182722066553900	1A	800	84	27-66.55-01-064	1968-1978	01/10/67	376.8 (01/17/67)
QUEBRADILLAS NO. 2	182858066541900	1A	250	85	28-66.54-01-007	1967-1971	02/07/67	
QUEBRADILLAS	182915066561800	1A	435	73	28-66.56-01-077	1959-1972	after 1926	410 (when drilled)
MONTEBELLO	182231066312500	1B	>215	56	22-66.31-02-046	1960-1971 1975-1979	04/--/58	120 (04/14/58)
MORAN SIMO	182445066315800	1B	517	142	24-66.31-03-021	1981-1985		
MANATI NO. 2	182548066300200	1B	212	68	25-66.30-02-030	1960-1984	12/--/47	25 (12/10/47)
MANATI NEW WELL	182542066305200	1B	140	166	25-66.30-05-022	1982-1984		
FLORIDA AFUERA	182603066333600	1B	235	71	26-66.33-02-094	1959-1985	07/--/58	
LEDERLE	182621066343300	1B	550	135	26-66.34-06-065	1978-1985		
SANTANA NO. 2	182630066384900	1B	220	161	26-66.38-08-052	1982-1985	--/--/64	120 (07/28/64)
FT. BUCHANAN	1824420666092600	1C	182	59	24-66.08-04-026	1959-1969	12/12/40	47 (12/30/40)
BO. CANDELARIA	182416066123400	1C	141	60	24-66.12-01-075	1958-1967	09/--/43	63.59 (06/26/58)
VEGA ALTA NO. 2	182446066194800	1C	150	61	24-66.19-02-022	1960-1966	11/17/40	85 (11/17/40)
VEGA ALTA NO. 1	182446066194800	1C	210	62	24-66.19-04-022	1961-1985	08/--/48	90 (08/--/48)
PUGNADO AFUERA 2.	182427066251200	1C	200	63	24-66.25-01-059	1959-1970	08/--/58	100 (07/21/58)
BO. UNIVERSIDAD TW	182503066023000	1C	200	64	25-66.02-01-096	1960-1971	--/--/47	18 (04/--/47)
HATO REY, McCra well	182506066030800	1C	205	65	25-66.03-01-099	1958-1978 1980-1985		32 (02/--/47)
SABANA SECA	182547066110800	1C	130	66	25-66.11-01-029	1958-1985	before 1946	45.49 (06/26/58)
CAMPANILLA	182518066144200	1C	300	67	25-66.14-01-073	1959-1983	--/--/39	29 (06/26/58)



Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985--Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
HIGUILLAR	182636066164200	1C	200	69	26-66.16-01-033	1958-1985	--/--/42	56.9 (07/28/69)
MONTERREY FORESTAL	182623066181400	1C	400	150	26-66.18-02-068	1982-1984	04/--/64	185 (04/--/64)
BO. SABANA HOYOS	182647066201700	1C	90	70	26-66.20-01-028	1960-1985		26 (02/--/46)
LA TROCHA	182654066225400	1C	200	155	26-66.22-03-019	1982-1984	07/--/69	37 (07/28/69)
USGS NO. 3	182656066221500	1C	238	167	26-66.22-04-008	1982-1984		
EL CRIOLLO NO. 1	182648066230900	1C	120	156	26-66.23-03-019	1982-1985		
RICE PROGRAM NO. 3	182706066213500	1C	160	151	27-66.21-06-095	1982-1984		
RICE PROGRAM NO. 4	182751066221900	1C	150	168	27-66.22-01-018	1982-1985		
RICE PROGRAM NO. 5	182740066223000	1C	140	169	27-66.22-02-036	1983-1984		
PATILLAS STP	180010066004500	2D	90	125	00-66.00-02-083	1976-1984	03/--/61	8.6 (01/31/61)
PATILLAS NO. 2	180018066010200	2D	100	17	00-66.01-02-070	1959-1971	07/--/49	7.83 (09/08/59)
COCOS	180044066153500	2D	125	18	00-66.15-01-025	1959-1985	04/--/58	25 (04/21/58)
THEATER NO. 1	180023066175400	2D	150	19	00-66.17-01-062	1959-1984	06/--/49	57 (06/08/49)
FT. ALLEN NO. 2	180032066301700	2D	150	20	00-66.30-02-048	1958-1968	11/10/40	0.9 (11/10/40)
HACIENDA POTALA	180052066305000	2D	143	88	00-66.30-10-000	1968-1985	--/--/65	11.38 (01/12/65)
ALHAMBRA	180057066361100	2D	300	21	00-66.36-37-009	1959-1985		
CANAS	180048066381300	2D	300	22	00-66.38-15-018	1958-1967	--/--/36 *	60 (1936 *)
HACIENDA REPARADO	1800160663811	2D	100	78	00-66.38-19-069	1964-1969	1946-1959 +	35.5 (09/04/64)
MOREL CAMPOS	180057066380600	2D	337	23	00-66.38-23-010	1959-1968	--/--/48 *	70 (1948)
JOBOS NO. 8	175643066083800	2D	52	301	56-66.08-06-024	1966-1969	05/26/66	2.70 (06/07/66)
PHILLIPS OB. WELL 3	175640066085100	2D	114	89	56-66.08-10-000	1968-1984		
JOBOS NO. 3	175645066092300	2D	110	302	56-66.09-01-027	1966-1972	05/20/66	0.35 (06/07/66)
MAR NEGRO	175659066155300	2D	23	1	56-66.15-02-001	1959-1984	05/23/66	14.95 (06/07/66)
JOBOS NO. 4	175730066070700	2D	25	303	57-66.07-05-049	1966-1967	05/23/66	14.95 (06/07/66)
MELANIA	175755066084800	2D	103	80	57-66.08-14-002	1961-1966	09/02/27	11.5 (09/06/27)

Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985--Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
JOBOS NO. 14	175708066085700	2D	49	304	57-66.08-17-081	1966-1967	06/06/66	21.20 (07/14/66)
PUENTE JOBOS	175735066095900	2D	148	2	57-66.09-01-041	1961-1984	--/--/55 *	54.8 (10/31/61)
PUENTE JOBOS	175735066100400	2D	16	3	57-66.10-02-060	1959-1984	--/--/52	2 (when drilled)
JOBOS NO. 1	175721066105900	2D	62	306	57-66.10-13-061	1966-1971	05/18/66	0.45 (06/08/66)
JOBOS NO. 2	175723066100800	2D	99	305	57-66.10-14-069	1966-1973	05/19/66	5.10 (07/14/66)
JOBOS NO. 7	175749066111000	2D	172	307	57-66.11-02-019	1966-1972	05/25/66	17.30 (06/08/66)
JOBOS NO. 5	175758066113500	2D	144	308	57-66.11-03-005	1966-1971	05/23/66	7.0 (06/09/66)
JOBOS NO. 19	175729066145000	2D	70	310	57-66.14-05-052	1966-1972	06/09/66	5.45 (07/14/66)
JOBOS NO. 10	175719066144800	2D	185	309	57-66.14-06-063	1966-1967	06/01/66	5.40 (06/09/66)
JOBOS NO. 13	175729066154500	2D	122	313	57-66.15-03-053	1966-1968	06/03/66	4.50 (07/14/66)
JOBOS NO. 12	175751066152300	2D	108	312	57-66.15-04-017	1966-1972	05/27/66	19.50 (06/09/66)
JOBOS NO. 11	175722066152000	2D	108	311	57-66.15-05-067	1966-1967	06/09/66	4.90 (06/09/66)
JOBOS NO. 17	175739066162700	2D	152	315	57-66.16-04-036	1966-1967	06/08/66	8.20 (07/14/66)
JOBOS NO. 18	175709066163100	2D	147	316	57-66.16-05-085	1966-1970	06/07/66	2.80 (07/14/66)
JOBOS NO. 16	175715066161300	2D	105	314	57-66.16-06-078	1966	06/13/66	4.0 (07/14/66)
JAUCA NORTH NO. 1	175750066225800	2D	250	145	57-66.22-01-011	1980-1985	06/14/66	-0.60 (07/15/66)
JOBOS NO. 21	175757066174500	2D	90	317	57-66.17-02-003	1966-1969		
JAUCA SOUTH NO. 1	175750066225800	2D	50	144	57-66.22-03-011	1980-1985		
HAC. ALOMAR W. 3	175734066233300	2D	70	146	57-66.23-06-045	1981-1985		
HAC. ALOMAR E. 3	175734066233301	2D	250	147	57-66.23-07-045	1981-1985		
PLAYA STA. ISABEL E2	175756066244000	2D	200	148	57-66.24-05-004	1981-1985		
PLAYA STA. ISABEL W2	175756066244000	2D	250	149	57-66.24-06-004	1981-1985		
JUANA 5	175858066100200	2D	73	6	58-66.10-04-010	1960-1985	--/--/56	29.76 (11/15/60)
JOBOS NO. 6	175811066120800	2D	62	318	58-66.12-02-089	1966	05/24/66	-7.95 (06/09/66)



Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985--Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
COQUI	175827066134500	2D	80	7	58-66.13-01-053	1960-1972		3.90 (10/31/61)
COQUI NO. 2	175822066134800	2D	118	124	58-66.13-06-062	1975-1984	04/--/62	0.0 (04/19/62)
JOBOS NO. 15	175809066164900	2D	115	319	58-66.16-10-082	1966-1967	06/08/66	9.80 (07/15/66)
SALINAS NO. 1	175851066174600	2D	25	8	58-66.17-01-013	1959-1985	01/31/39	11.25 (when drilled)
SALINAS OLD WELL	175850066174600	2D	87	9	58-66.17-03-013	1959-1967		21.13 (09/09/59)
JOBOS NO. 23	175824066175800	2D	122	321	58-66.17-10-051	1966-1967	06/16/66	4.95 (07/13/66)
JOBOS NO. 24	175823066182200	2D	112	322	58-66.18-08-067	1966-1971	06/17/66	11.90 (07/13/66)
JOBOS NO. 20	175806066172300	2D	120	320	58-66.17-12-097	1966-1967	06/15/66	-1.10 (07/15/66)
ALOMAR NO. 1	175829066232200	2D	112	87	58-66.23-02-057	1967-1985		11.40 (11/01/60)
SANTA ISABEL NO. 1	175823066241800	2D	02	10	58-66.24-01-068	1958-1977 1979-1982	12/10/34	20 (12/20/34)
SANTA ISABEL NO. 2	175823066241700	2D	50	11	58-66.24-02-068	1958-1966	08/--/48	24.1 (08/--/48)
JUANA DIAZ NO. 1	175843066323900	2D	80	324	58-66.32-04-024	1966	06/--/66	0.40 (07/13/66)
JUANA DIAZ NO. 2	175859066323600	2D	61	323	58-66.32-05-004	1966	06/--/66	0.10 (07/13/66)
PITAHAYA NO. 1	175944066033600	2D	81	15	59-66.03-02-024	1959-1985		21.32 (09/08/59)
SABATER TEST	175909066143100	2D	91	81	59-66.14-06-085	1960-1962 1964-1970		25.08 (10/21/60)
JUANA DIAZ NO. 5	175935066303100	2D	90	333	59-66.30-02-045	1966	06/--/66	7.2 (07/13/66)
JUANA DIAZ NO. 6	175941066301500	2D	80	332	59-66.30-03-038	1966, 1970-1972	06/--/66	5.20 (07/13/66)
JUANA DIAZ NO. 4	175910066313500	2D	70	334	59-66.31-12-085	1966, 1968	06/--/66	3.30 (07/13/66)
JUANA DIAZ NO. 3	175902066320200	2D	80	335	59-66.32-15-100	1966, 1968, 1970-1972	06/--/66	2.8 (07/03/66)
RESTAURADA NO. 8A	175950066354200	2D	165	141	59-66.35-26-014	1981-1985	08/--/65	3.5 (08/16/65)
TALLABOA VALLEY 4	180051066435500	2E	73	24	00-66.43-23-011	1959-1968	02/--/59	4.89 (02/17/59)
TALLABOA VALLEY 5	180048066435200	2E	105	25	00-66.43-25-012	1959-1972	03/--/59	6.02 (03/11/59)
TALLABOA 8	180004066433900	2E	115	342	00-66.43-43-094	1966, 1968-1969	04/28/66	8.18 (06/15/66)
TALLABOA 3	180020066435200	2E	95	345	00-66.43-44-062	1967-1968	03/30/66	13.56 (06/15/66)

Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985--Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
TALLABOA 1	180023066434300	2E	90	343	00-66.43-45-063	1966-1967	03/29/66	12.69 (06/15/66)
TALLABOA 6	1800300664342	2E	82	344	00-66.43-46-043	1966-1970		
TALLABOA 9	180032066441000	2E	57	348	00-66.44-30-049	1966-1970	05/17/66	9.07 (06/15/66)
TALLABOA 4	180011066440200	2E	112	347	00-66.44-29-090	1966-1968	04/01/66	6.72 (06/15/66)
TALLABOA 7	180040066440000	2E	120	346	00-66.44-31-040	1966-1967	04/22/66	11.2 (06/15/66)
TALLABOA 5	180003066441700	2E	105	349	00-66.44-32-098	1966-1969	03/31/66	3.90 (06/15/66)
GUAYANILLA St. Plant 1	180143066450900	2E	38	75	00-66.45-01-079	1958-1969	--/--/56	9.2 (08/15/58)
GUAYANILLA 6	180035066455700	2E	90	350	00-66.45-11-041	1966, 1968-1969		
GUAYANILLA 7	180054066455800	2E	75	353	00-66.45-12-001	1966, 1967-1968		
GUAYANILLA 10	180054066461100	2E	110	351	00-66.46-05-009	1966, 1967-1968		
GUAYANILLA 5	180048066462700	2E	57	352	00-66.46-06-016	1966, 1968		
GUAYANILLA 13	180029066473200	2E	120	358	00-66.47-08-055	1966, 1969-1970		
GUAYANILLA 14	180022066475400	2E	87	359	00-66.47-09-061	1966, 1969		
GUAYANILLA 15	180012066475500	2E	197	360	00-66.47-10-071	1966		
GUAYANILLA 8	180014066472300	2E	117	357	00-66.47-11-027	1966, 1968-1972		
GUAYANILLA 11	180031066470100	2E	107	354	00-66.47-13-050	1966		
GUAYANILLA 9	180023066471000	2E	67	356	00-66.47-12-069	1966		
YAUCO 1 OR UCC2	180058066502700	2E	156	131	00-66.50-10-005	1972-1984		
GUAYANILLA 12	180038066470200	2E	109	355	00-66.47-14-040	1966, 1968-1972		
GUAYANILLA	180110066473500	2E	102	74	01-66.47-10-085	1960-1985		
JAUCA NO. 2	180152066220900	2E	292	26	01-66.22-01-019	1960-1967	12/--/57	88.45 (09/04/58)
GUAYANILLA NO. 5	180102066472400	2E	38	28	01-66.47-22-096	1961-1968		
QUEBRADAS	180150066474900	2E	120	27	01-66.47-20-012	1958-1984		
BARINAS WELL	180132066502400	2E	112	76	01-66.50-04-047	1962-1964		
YAUCO 2	180133066503300	2E	190	132	01-66.50-14-045	1972-1985		

Table 1.--Location and Identification of selected wells in Puerto Rico, 1958-1985---Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (NM/DD/YY)
YAUCO 4 OR UCC1	180120066503200	2E	163	134	01-66.50-15-065	1972-1984		
LAS PALOMAS	180107066525000	2E	176	77	01-66.52-08-082	1962-1969	--/--/40	20 (when drilled)
SIERRA BAJA	180319066465900	2E	85	32	03-66.46-03-061	1960-1969	--/--/58	8.5 (10/12/60)
YABUCOA 7 OR TW2	180415065513900	2E	181	96	04-65.51-05-074	1978-1985		
GUAYANILLA 2	175837066485000	2E	100	326	58-66.48-02-032	1966	04/06/66	-1.86 (06/14/66)
GUAYANILLA 3	175836066485000	2E	40	325	58-66.48-03-032	1966	04/06/66	-1.48 (06/14/66)
GUAYANILLA 1	175857066490100	2E	98	327	58-66.49-11-010	1966, 1968-1970	04/05/66	5.18 (06/14/66)
GUANICA 1	175858066541200	2E	114	12	58-66.54-02-008	1958-1977	10/--/38	14 (10/--/38)
GUANICA 2	175845066154100	2E	140	13	58-66.54-03-028	1958-1968	08/--/49	9 (10/--/49)
GUANICA 1	175825066541700	2E	85	328	58-66.54-12-058	1966-1968, 1970	05/13/66	0.05 (06/13/66)
GUANICA 3	175815066543800	2E	115	330	58-66.54-13-074	1966-1968 1970-1971	05/12/66	4 (06/13/66)
GUANICA 2	175838066542000	2E	85	329	58-66.54-14-037	1966-1968 1970-1972	05/13/66	4.14 (06/13/66)
GUANICA 4	175835066544100	2E	102	331	58-66.54-15-044	1966-1968 1970-1972	05/16/66	3.01 (06/13/66)
TALLABOA 2	175952066435100	2E	112	336	59-66.43-01-012	1966-1968		
GUAYANILLA 4	175922066481500	2E	102	337	59-66.48-09-068	1966, 1968-1969	04/07/66	-0.26 (06/14/66)
GUAYANILLA 19	175925066482600	2E	70	338	59-66.48-10-056	1966	05/11/66	-0.88 (06/14/66)
GUAYANILLA 16	175921066483600	2E	22	339	59-66.48-11-064	1966	05/09/66	0.96 (06/14/66)
GUAYANILLA 17	175909066485900	2E	147	340	59-66.48-12-081	1966, 1968	05/09/66	5.16 (06/14/66)
CENTRAL SAN FRANCISCO	175922066495900	2E	185	16	59-66.49-01-061	1960-1985	--/--/52	6.53 (11/02/60)
GUAYANILLA 18	175910066491200	2E	45	341	59-66.49-11-088	1966	05/10/66	11.40 (06/14/66)
CABO ROJO	180532067062400	3F	300	82	05-67.06-01-047	1967-1979	--/--/67	12.4 (06/13/67)
ROSARIO	180934066051700	3F	105	40	09-67.05-03-049	1960-1971 1973-1985	05/--/60	20 (05/16/60)
CENTRAL ROCHELAISE	181018067091700	3F	80	43	10-67.09-05-068	1959-1985	07/--/48	4.0 (07/28/48)

Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985--Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
MAYAGUEZ	181224067085000	3G	156	44	12-67.08-01-062	1959-1967	02/--/44	8.0 (when drilled)
MAYAGUEZ WELL 1	1812333067083300	3G	82	45	12-67.08-08-045	1960-1985	12/--/43	9.0 (12/06/43)
MAYAGUEZ AIRPORT	181522067090900	3H	353	53	15-67.09-04-068	1960-1984	11/29/41	15 (11/29/41)
AGUADA	182228067113300	3I	160	58	22-67.11-01-055	1960-1984	11/--/58	34 (12/22/58)
DAGUAO	181338065405700	4J	118	46	13-65.40-02-031	1961-1965	before 1961	4.06 (06/20/61)
RIO HUMACAO GW STA.	180850065493700	4K	43	172	08-65.49-07-014	1983-1985		
SQUIBB OBS. WELL 3	180908065475000	4K	110	173	09-65.47-03-082	1983-1985		
ARROYO WELL 1	181217065453000	4K	32	171	12-65.45-01-075	1983-1985		
YABUCA 10 OR TW5	180327065515300	4L	120	95	03-65.51-01-051	1978-1983		
CENTRAL ROIG	180344065523000	4L	125	31	03-65.52-01-035	1959-1985	--/--/47	13.12 (07/06/59)
MAUNABO CALZADA	180026065544300	4M	70	122	00-65.54-05-000	1972-1985		
GUARDARRAYA	1758410655561000	4M	100	4	58-65.56-01-036	1959-1966	--/--/47	25 (1947)
VIVONI, HACIENDA AMISTAD	1801322067033800	5	200	143	01-67.03-03-046	1981-1985	very old	45 (reported)
CUATRO CALLES	175822066033300	6	30	5	58-66.03-01-065	1959-1967	--/--/48	16.07 (09/22/59)
PARGUERA	175851067024300	6	92	14	58-67.02-01-013	1959-1966	--/--/48	38.85 (01/26/59)
AIBONITO ASOMANTE	180755066164000	6	250	36	07-66.16-01-004	1959-1970	--/--/57	14.64 (09/15/59)
BO. RINCON DE CIDRA	180852066095400	6	200	37	08-66.09-02-011	1960-1985	03/--/60	29 (03/23/60)
BARRIO ROBLES	180823066154500	6	82	38	08-66.15-01-063	1959-1984	very old	21.71 (09/15/59)
PROYECTO LA PLATA	180917066135600	6	120	39	09-66.13-01-071	1959-1965, 1967	--/--/39	54.49 (09/15/59)
CIDRA 1	181041066090300	6	200	41	10-66.09-01-040	1959-1967	10/--/48	20.28 (09/11/59)
CIDRA 2	181046066091700	6	92	42	10-66.09-02-028	1959-1985	03/--/49	19.95 (09/11/59)
ADJUNTAS	181038066441200	6	300	86	10-66.44-02-038	1967-1985	08/--/67	8.68 (08/14/67)
PINAS 1, COMERIO	181308066133500	6	147	47	13-66.13-01-085	1959-1970	--/--/50	15 (when drilled)
PINAS 2, COMERIO	181305066133800	6	216	48	13-66.13-02-094	1959-1966	11/--/58	26.84 (09/15/59)

Table 1.--Location and identification of selected wells in Puerto Rico, 1958-1985--Continued

WELL NAME	SITE-ID	AQUIFER AREA	DEPTH (FEET)	LOCAL NUMBER	LOCAL OFFICE NUMBER	YEARS OF RECORD	CONSTRUCTION DATE (MM/DD/YY)	EARLIEST WATER-LEVEL, IN FEET, AND DATE REPORTED (MM/DD/YY)
JAYUYA 3	181307066355000	6	110	123	13-66.35-03-082	1976-1977 1980-1984	11/--/51	14 (11/06/51)
JAYUYA 4	181305066355200	6	100	49	13-66.35-04-092	1960-1975 1977-1979	01/--/60	15 (when drilled)
CALVACHE	181858067132600	6	85	54	18-67.13-01-006	1960-1969	08/--/58	10 (08/04/58)
SAN SEBASTIAN	182018066593200	6	300	83	20-66.59-02-047	1967-1984	--/--/67	32.64 (05/22/67)
RINCON 2	182024067132600	6	130	55	20-67.14-02-052	1960-1969		32.4 (01/27/59)
BAYANEY	182231066470800	6	210	57	22-66.47-10-049	1959-1971	03/--/58	112.1 (04/02/59)
JUNCOS WELL	180210066433400	6N	160	29	02-66.43-01-085	1958-1966	--/--/33	12 (when drilled)
BAUZA	180211066433600	6N	165	30	02-66.43-02-085	1958-1968	03/--/58	18.48 (03/18/58)
GURABO EXPERIMENTAL	181550065593200	6N	145	50	15-65.59-04-015	1960-1985	--/--/57	21.89 (12/05/60)
OLD WELL 4	181508065592400	6N	270	51	15-65.59-06-086	1960-1963	10/14/42	12.5 (when drilled)
BAIROA	181538066021300	6N	116	52	15-66.02-01-038	1959-1984	09/--/56	73.49 (07/06/59)
CAYEY 10	180708066084200	60	220	33	07-66.08-01-083	1959-1985	07/--/59	8.91 (09/11/59)
CAYEY 9	180741066080700	60	167	34	07-66.08-03-039	1959-1968	06/--/59	10.80 (09/11/59)
CAYEY MOGATE	180714066080700	60	167	35	07-66.10-02-077	1959-1965	02/--/48	32 (02/17/48)



# COMPILATION OF GROUND-WATER LEVEL MEASUREMENTS

## WELLS IN THE NORTH COAST PROVINCE West Coast to Río Grande de Arecibo



LOCAL NUMBER : 165  
 WELL NAME : Mateo P. Bo. Saltos  
 LATITUDE : 18°24'22"  
 DIAMETER : 12-16 inches  
 ELEVATION ABOVE MEAN SEA LEVEL: 672.4 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 67°01'51"  
 DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982	69.83	69.86	69.97	70.56	69.65	70.60	69.35	69.82	69.85	69.47	69.22	69.84
1983	69.74	69.90	69.85	70.10	69.55	69.55	69.60	69.60	69.48	69.46	69.35	66.38
1984	69.30	69.29	69.27	69.22	69.30	69.13	69.42	69.18	69.08	69.08	68.99	68.88
1985	67.89	68.55	68.32									

LOCAL NUMBER : 164  
 WELL NAME : Rocha Moca  
 LATITUDE : 18°25'38"  
 DIAMETER : 12 inches  
 ELEVATION ABOVE MEAN SEA LEVEL: 787.2 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 67°01'59"  
 DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982	173.6	176.1	147.2	147.6	147.1	152.2	147.5	147.8	147.7	147.7	147.1	148.5
1983	147.7 <sup>a</sup>	148.6	148.5	163.0 <sup>a</sup>	159.1 <sup>a</sup>	163.9	155.3 <sup>a</sup>	147.8 <sup>a</sup>	148.2 <sup>a</sup>	148.4 <sup>a</sup>	144.7 <sup>a</sup>	147.4 <sup>a</sup>
1984	148.5 <sup>a</sup>	148.2 <sup>a</sup>	148.3 <sup>a</sup>	148.6 <sup>a</sup>	151.3 <sup>a</sup>	147.1 <sup>a</sup>	146.7 <sup>a</sup>	148.1 <sup>a</sup>	148.2 <sup>a</sup>	147.6 <sup>a</sup>	147.9 <sup>a</sup>	148.8 <sup>a</sup>
1985	155.7 <sup>a</sup>	148.5 <sup>a</sup>	148.6 <sup>a</sup>									

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 72  
 WELL NAME : Las Cunetas, Arecibo  
 LATITUDE : 18°26'40"  
 DIAMETER : 6.0 inches

ELEVATION ABOVE MEAN SEA LEVEL: 220 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°45'23"  
 DEPTH : 211 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960										198.08		198.34
1961	198.59	198.88	199.73	197.78	198.53	200.12	200.30	200.56	200.25	200.15	199.35	
1962	197.50	198.15	198.77	198.52	199.39		198.78	198.80	198.97	199.35	198.99	199.87
1963	201.05	199.66		196.10	197.45	194.96	195.75	195.97	196.15	194.32	195.7	192.3
1964	192.92	195.02	197.48		198.46	198.35	198.80	199.15	193.85	200.20	199.76	200.38
1965		200.89	201.20	201.52	191.80							
1966			193.35	197.75	164.70	165.30	164.94	164.90	165.60	166.55	174.50	172.75
1967	176.15	176.90	184.80	185.23	201.68	199.40	200.00	201.25	201.20	201.80	202.76	
1968	203.14	202.80	203.79	200.15	201.62	201.80	199.51	197.65	192.90	187.70	198.23	
1969	197.30			205.80								

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

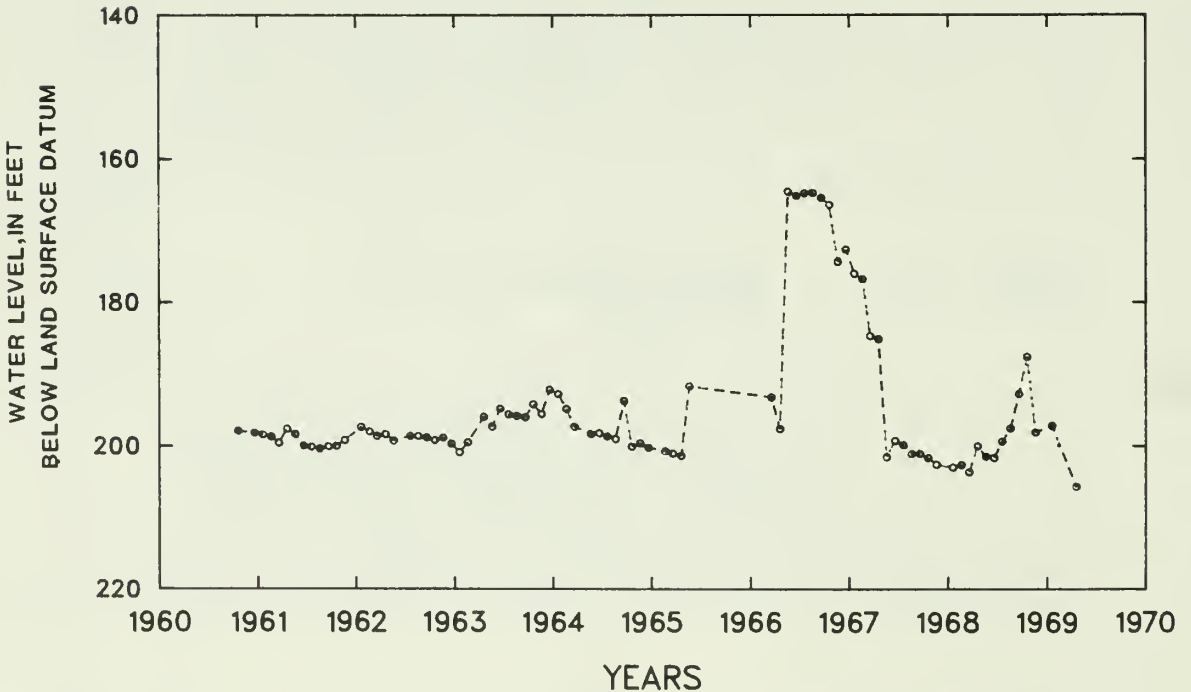


Figure 3.--Ground-water levels at Las Cunetas, Arecibo, local number 72.



LOCAL NUMBER : 84                      ELEVATION ABOVE MEAN SEA LEVEL: 420.8 feet  
 WELL NAME : Quebradillas 1.            OWNER : Oamaso Soto Espiet.  
 LATITUDE : 18°27'22"                    LONGITUDE : 66°55'39"  
 DIAMETER : 6 inches                      DEPTH : 800 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1967	Recorder installed (10/67)											
1968		371.1	369.9	370.7	371.7	371.0	371.4	371.8	372.2	372.5	372.5	368.1
1969	367.4	368.0	368.1	367.2		358.2	357.1	355.4	355.4	356.2	354.4	352.2
1970	351.8	351.1	352.5	353.2		355.8	357.0	358.1	358.1	356.9		
1971			346.4	346.0	342.9	340.5	338.8	338.9	339.0	339.5	339.2	341.3
1972	343.5	345.8	347.5	349.9	351.5							
1973	355.2	356.8	358.1		359.6	360.6						362.3
1974	363.9	365.6	366.7	368.5	368.3	368.0	368.5	369.0	368.6	367.0	362.6	361.5
1975			380.2	380.6	376.3	377.1	377.8		371.0	366.3	366.9	366.8
1976	367.1	368.7	369.6	370.7	370.7	370.7	370.8			372.4	372.6	373.1
1977	373.4	373.3	374.0	374.4	374.9	374.0	374.1	374.8	375.3	375.6	374.2	372.8
1978	374.0	372.7	372.1	372.5	370.9	371.0						

LOCAL NUMBER : 85                      ELEVATION ABOVE MEAN SEA LEVEL: 132 feet  
 WELL NAME : Quebradillas 2            OWNER : Social Pgm. Adm., P.R. Dept. of Agriculture  
 LATITUDE : 18°28'58"                    LONGITUDE : 66°54'19"  
 DIAMETER : 6-8 inches                    DEPTH : 250 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1967										131.57	131.56	132.01
1968	132.07	131.82	131.80	131.85	131.94	131.74	131.70	131.60	131.30	131.40	131.35	131.35
1969	131.25	131.30	131.30	131.50	131.40	131.40	131.30			131.21	131.20	130.90
1970	130.70					131.70	131.70	131.37	131.35	131.00	131.10	
1971			131.20	131.50			130.87	131.00				

REMARKS: Discontinued (09/71)  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 73  
 WELL NAME : Quebradillas  
 LATITUDE : 18°29'15"  
 DIAMETER : 5.0 inches

ELEVATION ABOVE MEAN SEA LEVEL: 400 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°56'18"  
 DEPTH : 435 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959				407.57		406.73	391.64	391.89	390.92	390.30	390.23	390.65
1960	390.66	391.28	391.81	392.08	389.96	388.82		389.65	390.08	390.19	390.79	389.68
1961	390.23	390.54	391.19	390.49	389.42	389.48	389.69	389.88	392.87	389.27	389.02	
1962	388.97	388.86	389.08	389.76	389.87	389.50	389.80	390.39	390.53	390.66	390.96	390.99
1963	391.56	390.84	391.67	392.41	389.24	392.82	394.2		39.08	394.60	394.80	395.06
1964	396.59	397.18	397.86		399.60	395.19	395.98	395.53	395.95		395.78	396.00
1965	397.10	397.39	399.23	399.34	399.60	396.68	394.44	395.20	395.24	395.79	393.80	392.55
1966	392.70	387.25	392.07	388.30	389.70	388.62	388.50	388.10	389.10	389.50	394.86	395.40
1967	395.80	396.10	388.65	387.59	404.02	404.57	404.73	403.63	403.30	402.80	395.50	396.00
1968	409.68	417.22	414.33	404.60	403.65	399.60	398.50	397.70	399.60	397.50		395.99
1969	395.92		389.97	391.04	394.09					393.90		
1970		395.70						410.80	392.69			
1971							390.53	393.24	389.44	393.19	389.34	
1972			404.11	386.30								

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

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**WELLS IN THE  
NORTH COAST PROVINCE  
Río Grande de Arecibo to Río de La Plata**



LOCAL NUMBER : 56  
WELL NAME : Montebello  
LATITUDE : 18°22'31"  
DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 656 feet  
OWNER : P.R. Aqueduct and Sewer Authority  
LONGITUDE : 66°31'25"  
DEPTH : (215 feet)?

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960 :	121.6		126.2 <sup>a</sup>	126.0 <sup>a</sup>	125.7 <sup>a</sup>	125.4 <sup>a</sup>	123.9 <sup>a</sup>	122.3 <sup>a</sup>	123.5 <sup>a</sup>		125.2 <sup>a</sup>	124.6 <sup>a</sup>
1961 :	124.4 <sup>a</sup>	124.4 <sup>a</sup>	124.1 <sup>a</sup>	124.0 <sup>a</sup>	124.4 <sup>a</sup>	125.1 <sup>a</sup>	123.0 <sup>a</sup>	125.9 <sup>a</sup>	126.4 <sup>a</sup>	126.5 <sup>a</sup>	127.1 <sup>a</sup>	124.7 <sup>a</sup>
1962 :		126.2 <sup>a</sup>	125.7 <sup>a</sup>	125.8 <sup>a</sup>	126.3 <sup>a</sup>	132.4 <sup>a</sup>	126.2 <sup>a</sup>	126.4 <sup>a</sup>	126.3 <sup>a</sup>	126.4 <sup>a</sup>	126.9 <sup>a</sup>	127.7 <sup>a</sup>
1963 :	127.1 <sup>a</sup>	127.0 <sup>a</sup>	127.3 <sup>a</sup>	127.9 <sup>a</sup>	127.3 <sup>a</sup>	135.3 <sup>a</sup>	120.9 <sup>a</sup>	124.6 <sup>a</sup>	125.1 <sup>a</sup>	125.1 <sup>a</sup>	125.3 <sup>a</sup>	136.6 <sup>a</sup>
1964 :	136.6 <sup>a</sup>	145.9 <sup>a</sup>	146.8 <sup>a</sup>	146.9 <sup>a</sup>	147.0 <sup>a</sup>	147.3 <sup>b</sup>	147.2 <sup>a</sup>	148.9 <sup>a</sup>	150.5 <sup>a</sup>		152.5 <sup>a</sup>	151.7 <sup>a</sup>
1965 :	132.1 <sup>a</sup>	130.7 <sup>a</sup>	130.3 <sup>a</sup>	130.2 <sup>a</sup>	119.3 <sup>a</sup>	130.5 <sup>a</sup>	79.30 <sup>a</sup>	77.70 <sup>a</sup>	77.40 <sup>a</sup>	78.11 <sup>a</sup>		78.31 <sup>a</sup>
1966 :	87.10 <sup>a</sup>	116.3 <sup>a</sup>	81.70 <sup>a</sup>	82.30 <sup>a</sup>	80.17 <sup>a</sup>	79.40 <sup>a</sup>	78.15 <sup>a</sup>	81.08 <sup>a</sup>	81.03 <sup>a</sup>	80.95 <sup>a</sup>	84.84 <sup>a</sup>	84.60 <sup>a</sup>
1967 :	125.3 <sup>a</sup>	133.6 <sup>a</sup>	130.5 <sup>a</sup>	131.3 <sup>a</sup>	131.4 <sup>a</sup>	133.5 <sup>a</sup>	135.6 <sup>a</sup>	131.4 <sup>a</sup>	131.5 <sup>a</sup>	130.2 <sup>a</sup>	129.1 <sup>a</sup>	129.5 <sup>a</sup>
1968 :	130.2 <sup>a</sup>	129.6 <sup>a</sup>	130.1 <sup>a</sup>	129.6 <sup>a</sup>	129.9 <sup>a</sup>	135.8 <sup>a</sup>	135.4 <sup>a</sup>	136.9 <sup>a</sup>	138.2 <sup>a</sup>	137.8 <sup>a</sup>		138.6 <sup>a</sup>
1969 :	136.2 <sup>a</sup>	134.5 <sup>a</sup>		136.0 <sup>a</sup>	136.4 <sup>a</sup>		138.1 <sup>a</sup>	140.0 <sup>a</sup>	139.9 <sup>a</sup>	132.3 <sup>a</sup>		
1970 :		143.0 <sup>a</sup>			146.9 <sup>a</sup>		151.9 <sup>a</sup>	128.3 <sup>a</sup>	130.1 <sup>a</sup>	137.5 <sup>a</sup>	138.3 <sup>a</sup>	
1971 :				142.3 <sup>a</sup>		141.8 <sup>a</sup>	143.2 <sup>a</sup>					
1972 :												
1973 :												
1974 :												
1975 :				199.7 <sup>a</sup>		203.1 <sup>a</sup>		205.1 <sup>a</sup>		209.9 <sup>a</sup>	207.0 <sup>a</sup>	
1976 :	212.3 <sup>a</sup>	217.1 <sup>a</sup>		221.2 <sup>a</sup>	217.9 <sup>a</sup>	222.3 <sup>a</sup>	230.8 <sup>a</sup>	223.5 <sup>a</sup>	224.0 <sup>a</sup>	230.3 <sup>a</sup>	229.6 <sup>a</sup>	231.4 <sup>a</sup>
1977 :	266.7 <sup>a</sup>	230.1 <sup>a</sup>	226.6 <sup>a</sup>	234.3 <sup>a</sup>	225.4 <sup>a</sup>	235.8 <sup>a</sup>	238.0 <sup>a</sup>	241.7 <sup>a</sup>	243.4 <sup>a</sup>	245.0 <sup>a</sup>	247.6 <sup>a</sup>	244.8 <sup>a</sup>
1978 :	259.8 <sup>a</sup>	266.0 <sup>a</sup>	255.3 <sup>a</sup>	252.5 <sup>a</sup>		250.3 <sup>a</sup>	254.3 <sup>a</sup>		245.1 <sup>a</sup>	239.4 <sup>a</sup>	238.6 <sup>a</sup>	251.7 <sup>a</sup>
1979 :	237.2 <sup>a</sup>	302.9 <sup>a</sup>	348.2 <sup>a</sup>	dry								

REMARKS: Depth to water measurements do not coincide with the depth of the well.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

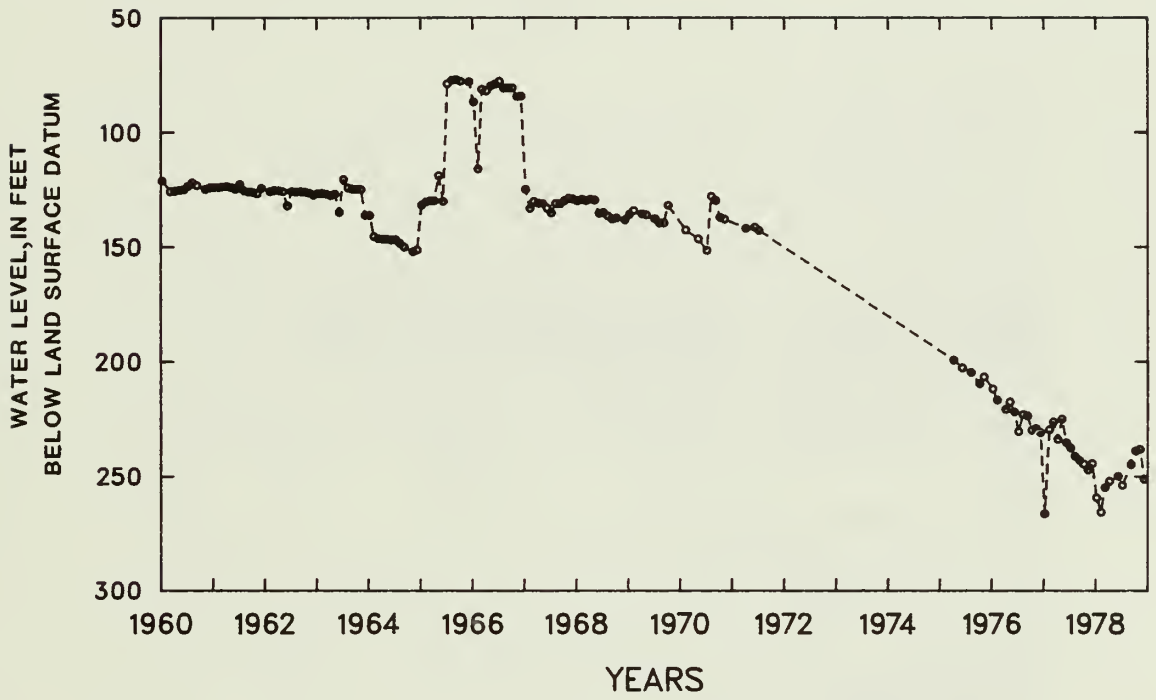


Figure 4.--Ground-water levels at Montebello, local number 56.

LOCAL NUMBER : 142  
 WELL NAME : Morán Simo  
 LATITUDE : 18°24'45"  
 DIAMETER : 8-20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 492 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°31'58"  
 DEPTH : 517 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981								228.0				228.8
1982		227.4	228.0	227.8	226.5	227.8	228.0	228.6	228.2	228.0	228.1	228.1
1983	228.1	228.2	227.2	228.4	228.6	227.8	228.3	228.5	228.6	228.5	226.6	229.0
1984	228.9	228.8	229.1	229.3	229.9	229.9	229.0	229.0	229.1	229.1	228.9	229.0
1985	228.8		229.0									

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 68  
 WELL NAME : Manatí 2  
 LATITUDE : 18°25'48"  
 DIAMETER : 12-20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 31.41 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°30'02"  
 DEPTH : 212 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960										26.51	25.98	26.26 <sup>a</sup>
1961	26.46	26.42 <sup>a</sup>	27.22 <sup>a</sup>	27.32 <sup>a</sup>	26.12 <sup>a</sup>	27.30 <sup>a</sup>	27.10 <sup>a</sup>	26.91 <sup>a</sup>	26.51 <sup>a</sup>	26.63 <sup>a</sup>	26.66 <sup>a</sup>	25.60 <sup>a</sup>
1962		26.87 <sup>a</sup>	27.11 <sup>a</sup>	27.20 <sup>a</sup>	26.85 <sup>a</sup>	26.60 <sup>a</sup>	27.10 <sup>a</sup>	26.90 <sup>a</sup>	26.79 <sup>a</sup>	26.60 <sup>a</sup>	26.63 <sup>a</sup>	26.74 <sup>a</sup>
1963	26.50 <sup>a</sup>	26.36 <sup>a</sup>	26.93 <sup>a</sup>	25.30 <sup>a</sup>	25.84 <sup>a</sup>	26.15 <sup>a</sup>	28.48 <sup>a</sup>	27.68 <sup>a</sup>	27.63 <sup>a</sup>	26.12 <sup>a</sup>	26.05 <sup>a</sup>	24.77 <sup>a</sup>
1964	25.40 <sup>a</sup>			27.18 <sup>a</sup>	27.33 <sup>a</sup>	27.55 <sup>a</sup>	26.80 <sup>a</sup>	26.98 <sup>a</sup>	26.98 <sup>a</sup>		26.95 <sup>a</sup>	26.60 <sup>a</sup>
1965	27.54 <sup>a</sup>	28.00 <sup>a</sup>	28.02 <sup>a</sup>	28.07 <sup>a</sup>	26.12 <sup>a</sup>	22.50 <sup>a</sup>	25.63 <sup>a</sup>	26.70 <sup>a</sup>	26.10 <sup>a</sup>	26.81 <sup>a</sup>	26.97 <sup>a</sup>	25.59 <sup>a</sup>
1966	23.84 <sup>a</sup>	25.83 <sup>a</sup>	26.77 <sup>a</sup>	26.72 <sup>a</sup>	25.50 <sup>a</sup>	26.90 <sup>a</sup>	28.30 <sup>a</sup>	26.72 <sup>a</sup>	26.82 <sup>a</sup>	27.00 <sup>a</sup>		28.24 <sup>a</sup>
1967	26.32 <sup>a</sup>	28.68 <sup>a</sup>	28.65 <sup>a</sup>	28.59 <sup>a</sup>	28.73 <sup>a</sup>	29.81 <sup>a</sup>	28.12 <sup>a</sup>	26.29 <sup>a</sup>	28.59 <sup>a</sup>	25.67 <sup>a</sup>	25.71 <sup>a</sup>	25.92 <sup>a</sup>
1968	28.51 <sup>a</sup>	27.11 <sup>a</sup>	28.56 <sup>a</sup>	29.29 <sup>a</sup>	27.17 <sup>a</sup>	28.94 <sup>a</sup>	28.42 <sup>a</sup>	28.29 <sup>a</sup>	28.50 <sup>a</sup>	28.38 <sup>a</sup>	28.60 <sup>a</sup>	
1969	31.70 <sup>a</sup>	25.89 <sup>a</sup>		29.16 <sup>a</sup>	27.50 <sup>a</sup>		27.47 <sup>a</sup>	28.03 <sup>a</sup>	28.01 <sup>a</sup>	26.99 <sup>a</sup>		
1970		28.21 <sup>a</sup>		28.64 <sup>a</sup>	25.54 <sup>a</sup>		26.23 <sup>a</sup>	26.21 <sup>a</sup>				
1971	26.18 <sup>a</sup>				28.62 <sup>a</sup>		28.64 <sup>a</sup>	27.79 <sup>a</sup>	25.61 <sup>a</sup>	27.89 <sup>a</sup>	27.26 <sup>a</sup>	27.46 <sup>a</sup>
1972	27.25 <sup>a</sup>			27.44 <sup>a</sup>		27.83 <sup>a</sup>	27.90 <sup>a</sup>	28.00 <sup>a</sup>	25.89 <sup>a</sup>		27.04 <sup>a</sup>	
1973	27.75 <sup>a</sup>		27.87 <sup>a</sup>	28.37 <sup>a</sup>		27.88 <sup>a</sup>		26.93 <sup>a</sup>		26.89 <sup>a</sup>	27.62 <sup>a</sup>	
1974	28.24 <sup>a</sup>	29.86 <sup>a</sup>		28.46 <sup>a</sup>	28.56 <sup>a</sup>	26.60 <sup>a</sup>	28.01 <sup>a</sup>		28.09 <sup>a</sup>		24.05 <sup>a</sup>	23.18 <sup>a</sup>
1975	37.19 <sup>a</sup>		28.12 <sup>a</sup>	28.44 <sup>a</sup>		28.93 <sup>a</sup>		28.76 <sup>a</sup>		28.37 <sup>a</sup>	28.62 <sup>a</sup>	
1976		28.60 <sup>a</sup>		29.04 <sup>a</sup>	25.96 <sup>a</sup>	28.90 <sup>a</sup>	29.96 <sup>a</sup>	34.46 <sup>a</sup>	30.08 <sup>a</sup>	29.95 <sup>a</sup>	29.49 <sup>a</sup>	31.14 <sup>a</sup>
1977	30.22 <sup>a</sup>	30.21 <sup>a</sup>	31.83 <sup>a</sup>	29.83 <sup>a</sup>	31.83 <sup>a</sup>	28.71 <sup>a</sup>	29.75 <sup>a</sup>	32.70 <sup>a</sup>	32.57 <sup>a</sup>	32.80 <sup>a</sup>	32.34 <sup>a</sup>	28.10 <sup>a</sup>
1978	28.85 <sup>a</sup>	32.87 <sup>a</sup>	28.75 <sup>a</sup>	27.23 <sup>a</sup>		30.80 <sup>a</sup>	32.60 <sup>a</sup>	32.55 <sup>a</sup>	32.94 <sup>a</sup>	32.07 <sup>a</sup>	32.62 <sup>a</sup>	33.05 <sup>a</sup>
1979	30.00 <sup>a</sup>	35.02 <sup>a</sup>	34.40 <sup>a</sup>	28.84 <sup>a</sup>	28.77 <sup>a</sup>	27.99 <sup>a</sup>	29.83 <sup>a</sup>	28.75 <sup>a</sup>	26.33 <sup>a</sup>	27.12 <sup>a</sup>	26.22 <sup>a</sup>	26.20 <sup>a</sup>
1980	27.97 <sup>a</sup>		28.46 <sup>a</sup>	28.66 <sup>a</sup>	29.08 <sup>a</sup>	28.51 <sup>a</sup>	29.17 <sup>a</sup>	29.26 <sup>a</sup>	29.29 <sup>a</sup>	29.38 <sup>a</sup>	29.50 <sup>a</sup>	28.82 <sup>a</sup>
1981	29.09 <sup>a</sup>	30.18 <sup>a</sup>				25.08 <sup>a</sup>	28.50 <sup>a</sup>	25.93 <sup>a</sup>		29.19 <sup>a</sup>	25.13 <sup>a</sup>	29.12 <sup>a</sup>
1982	25.69 <sup>a</sup>	28.30 <sup>a</sup>	29.00 <sup>a</sup>	29.58 <sup>a</sup>	29.60 <sup>a</sup>	29.40 <sup>a</sup>	29.62 <sup>a</sup>	29.31 <sup>a</sup>	29.28 <sup>a</sup>	28.92 <sup>a</sup>	29.09 <sup>a</sup>	29.19 <sup>a</sup>
1983	28.68 <sup>a</sup>	29.36 <sup>a</sup>	29.38 <sup>a</sup>	29.80 <sup>a</sup>	26.40 <sup>a</sup>	29.04 <sup>a</sup>	29.10 <sup>a</sup>	29.30 <sup>a</sup>	29.38 <sup>a</sup>	29.14 <sup>a</sup>	29.05 <sup>a</sup>	29.24 <sup>a</sup>
1984	29.50 <sup>a</sup>	29.26 <sup>a</sup>	29.39 <sup>a</sup>	29.77 <sup>a</sup>	29.19 <sup>a</sup>	28.66 <sup>a</sup>	29.43 <sup>a</sup>	29.27 <sup>a</sup>	29.28 <sup>a</sup>	26.80 <sup>a</sup>	28.77 <sup>a</sup>	28.85 <sup>a</sup>

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



LOCAL NUMBER : 166                      ELEVATION ABOVE MEAN SEA LEVEL: 29.52 feet  
 WELL NAME : Manatí New Well            OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°25'42"                    LONGITUDE : 66°30'52"  
 DIAMETER : 20-14 inches                DEPTH : 140 feet

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YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982 :	24.35	23.57	24.96	25.16	24.53	25.04	25.20	25.37	25.27	24.99	25.10	25.05
1983 :	24.88	26.36	22.90	25.45	24.85	25.16	25.20	25.55	25.47	25.34	25.17	25.43
1984 :	26.05	25.55	25.78	25.55	25.41	25.53	25.98	25.96	25.85	25.46	24.85	25.31

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REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

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LOCAL NUMBER : 71  
 WELL NAME : Florida Afuera  
 LATITUDE : 18°26'03"  
 DIAMETER : 12.0 inches

ELEVATION ABOVE MEAN SEA LEVEL: 213 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°33'36"  
 DEPTH : 235 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959			200.66			199.72		201.53	200.23	200.31	200.12	200.27
1960	200.99	200.41	200.40	201.08	199.69	200.26	200.13	200.04	200.90			
1961					204.84	204.58	204.95	208.41	204.85	204.72	204.47	
1962		205.08	206.65	206.72	210.51	216.29	215.70	203.66	204.06	204.14	203.73	204.74
1963	210.26	208.90		226.92	215.45	220.4	208.4	207.4	205.4	224.4	203.4	201.9
1964	203.38	202.42	203.47	203.69	203.79	206.50	206.20	211.40	207.62		206.70	207.64
1965	206.00	210.17	209.80	209.06	203.58	203.02	204.02	205.60	208.80	210.90	211.82	212.85
1966	212.30	200.70	198.30	202.90	201.92	201.20	202.22	203.81	202.25	205.84	206.10	208.50
1967	211.30	212.40	209.75	213.10	203.07	214.53	220.10	207.42	207.73	204.87		202.14
1968	204.80	203.00		204.52	205.70	204.12	201.34	203.85	205.30	204.08	203.32	
1969	200.90	203.76		205.49	202.07		201.98	202.37		209.95		
1970		201.87			191.85		202.80	202.60				
1971							199.13	198.73	201.22	207.20	200.52	213.90
1972	199.16			206.20			209.40	197.40	198.90		198.78	
1973	198.80		199.15	198.30	198.40	198.60		198.50		198.19		
1974	202.89		200.00									197.4
1975		200.00			196.0		206.0			199.40	215.62	198.70
1976	200.72	214.00					205.40		210.75	198.2	199.0	199.0
1977	202.2		198.2	198.0	201.6	200.4	200.6	200.4	200.2	200.1	200.0	200.3
1978	200.6	200.1	200.3	200.2	200.2	200.2	199.4		200.4	195.9	200.3	200.4
1979	200.6	226.4	226.8	200.6	201.1	203.5	188.5	181.9		195.0	203.4	196.5
1980		197.1	199.8	200.0	200.1	176.7	200.4	200.2	199.4	200.4	200.5	200.7
1981	200.8	200.9				198.5	199.3	197.0	200.9	200.4	200.3	200.0
1982	197.4	197.8	26.40	23.90	24.30	27.28	89.05	200.1	24.75	25.58	24.56	22.88
1983	21.77	22.10	24.70	23.52	22.00	17.60	20.55	19.20	19.09	19.82	19.67	18.80
1984	18.90	18.22	19.15	18.16	18.20	18.39	18.57	17.92	18.64	16.37	16.82	15.67
1985	17.37	17.74										

REMARKS: Abrupt change in depth to water corroborated with field inspector.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

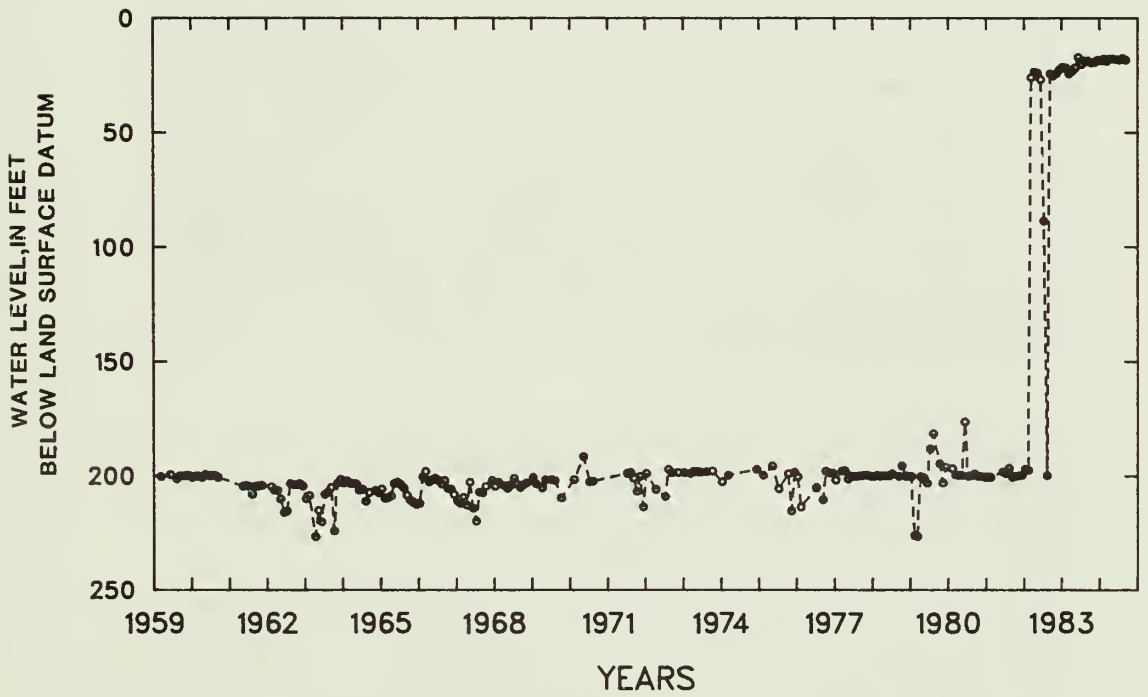


Figure 5.--Ground-water levels at Florida Afuera, local number 71.

LOCAL NUMBER : 135  
 WELL NAME : Lederle  
 LATITUDE : 18°26'21"  
 DIAMETER : 16-24 inches

ELEVATION ABOVE MEAN SEA LEVEL: 287 feet  
 OWNER : P.R. Land Authority  
 LONGITUDE : 66°34'33"  
 DEPTH : 550 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1978											283.3 <sup>e</sup>	283.4
1979	283.5	283.4	283.5	283.7	283.1	283.2	283.2	283.1	282.8 <sup>e</sup>	282.4	282.9	282.6
1980	282.9	282.9	282.9 <sup>e</sup>	282.9	283.1	282.9	282.9 <sup>e</sup>	283.0	283.0 <sup>e</sup>	283.0	283.0	283.1
1981	283.2	283.2	283.2	283.1	283.0	282.9	283.0	283.1 <sup>e</sup>	283.2	283.2	283.2	283.3
1982	282.6	282.9	283.2	283.2	283.3	283.2	283.1	283.3	283.1	283.1	283.2	283.4
1983	283.5	283.5	283.5	283.5	283.5	283.4	283.4	283.5	283.4	283.2	283.5	283.5
1984	283.7	283.7	283.6	283.8	283.8	283.8	283.8	283.7	283.6	283.2	283.5	283.7
1985	283.7	283.8	283.7	283.6	283.6	283.0	283.6	283.5	283.4			

LOCAL NUMBER : 161  
 WELL NAME : Santana No. 2  
 LATITUDE : 18°26'32"  
 DIAMETER : 10-12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 148 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°38'48"  
 DEPTH : 220 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982	113.7 <sup>a</sup>	130.1 <sup>a</sup>	122.7 <sup>a</sup>	139.7 <sup>a</sup>	134.9 <sup>a</sup>	130.5 <sup>a</sup>	142.8 <sup>a</sup>	136.8 <sup>a</sup>	140.2 <sup>a</sup>	146.6 <sup>a</sup>	135.9 <sup>a</sup>	128.4 <sup>a</sup>
1983	129.6 <sup>a</sup>	132.0 <sup>a</sup>	128.3 <sup>a</sup>	117.4 <sup>a</sup>	152.2 <sup>a</sup>		151.3 <sup>a</sup>	139.8 <sup>a</sup>	148.4 <sup>a</sup>	138.4 <sup>a</sup>	132.1 <sup>a</sup>	133.0 <sup>a</sup>
1984	132.8 <sup>a</sup>	132.2 <sup>a</sup>	133.1 <sup>a</sup>	142.9 <sup>a</sup>	132.0 <sup>a</sup>	125.8 <sup>a</sup>	134.2 <sup>a</sup>	129.2 <sup>a</sup>	132.5 <sup>a</sup>	132.4 <sup>a</sup>		132.5 <sup>a</sup>
1985	132.6 <sup>a</sup>		134.0 <sup>a</sup>									

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

**WELLS IN THE  
NORTH COAST PROVINCE  
Río de La Plata to Río Espíritu Santo**



LOCAL NUMBER : 59  
WELL NAME : Ft. Buchanan  
LATITUDE : 18°24'42"  
DIAMETER : 10 inches

ELEVATION ABOVE MEAN SEA LEVEL: 75 feet  
OWNER : U.S. Army  
LONGITUDE : 66°09'26"  
DEPTH : 182 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959						32.62	33.18	31.92	32.53	32.46	32.10	32.17
1960	33.43	34.41 <sup>e</sup>	35.32	35.72	35.06	35.56	35.09	33.23	32.77	31.90 <sup>e</sup>	32.17	30.84
1961	30.88	31.96	33.05	34.01	33.70	34.06	33.99	32.88	32.06	32.48	31.96	30.72
1962	31.15	31.80	33.09	33.70		31.48	32.14	31.44	31.17	32.16 <sup>e</sup>	33.11	33.26
1963	32.18	33.08	34.03	32.88	32.90	32.50	32.06	32.38	31.63	32.47	33.30	34.91
1964	35.11	35.81	36.58	36.85	38.28	38.45	36.28	36.05	35.16	35.32	36.50	37.02
1965	37.05	38.15	38.98	39.97	34.93	35.20	35.30	35.50	33.63		33.70	33.80
1966	34.06		34.50	34.80	34.03	34.10	34.45	35.10		35.00	33.60	33.47
1967	33.40	32.90	33.09	33.20	39.07	41.70	44.28		42.78	42.66	41.70	40.23
1968	40.62		43.80	40.43	40.31	41.11		41.23	38.23	39.52	40.82	
1969	37.90											

REMARKS: Well discontinued August, 1969.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 60  
 WELL NAME : So. Candelaria  
 LATITUDE : 18°24'16"  
 DIAMETER : 8 inches

ELEVATION ABOVE MEAN SEA LEVEL: 240 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°12'34"  
 DEPTH : 141 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958										63.99	65.88	66.18
1959	68.51	70.32	72.27	73.46	71.60	67.25	69.43	66.61	65.60	66.62	66.62	68.00
1960	70.10	71.94	73.13	72.65	71.62	71.89				63.86	66.64	65.29
1961	63.31	64.07	68.08	71.24	70.55	72.31		70.03	65.37	67.21	69.20	60.63
1962		67.04	69.18	71.63	72.12	72.83	69.87		65.91	66.97	69.93	71.80
1963	71.83	70.87	71.92	70.78	70.60		71.83	72.34	73.35	73.89	72.15	70.85
1964	70.68	72.76	74.07	74.02	87.79	99.16	99.09	74.20	68.93	69.80	69.68	71.77
1965	72.84	74.27	74.82	74.87		69.90	70.00	70.30	59.35	59.30	61.30	62.70
1966	59.80		64.95	63.00	63.05	63.15	63.00	63.10		62.10	58.00	57.80
1967	58.00	58.20	65.40	64.20	70.60	74.01	72.48			65.60		68.30 <sup>e</sup>

REMARKS: Well discontinued, December, 1967.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

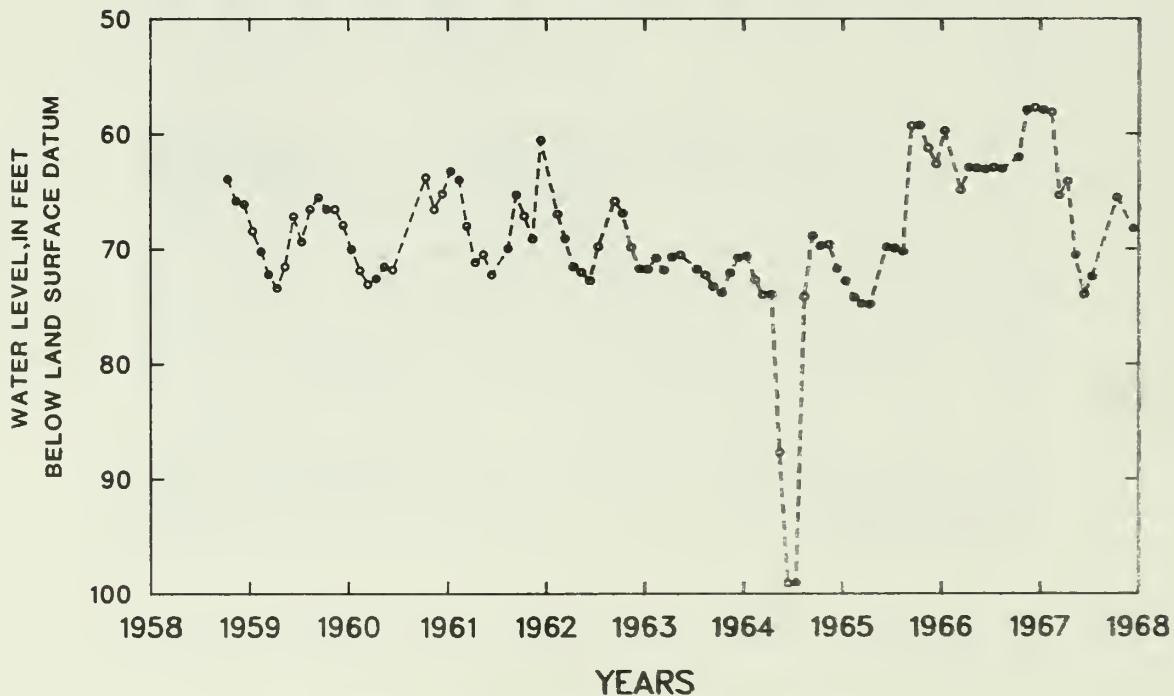


Figure 6.--Ground-water levels at Barrio Candelaria, local number 60.



LOCAL NUMBER : 61  
 WELL NAME : Vega Alta 2  
 LATITUDE : 18°24'46"  
 DIAMETER : 11 inches  
 ELEVATION ABOVE MEAN SEA LEVEL: 102 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°19'48"  
 DEPTH : 150 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960												99.60 <sup>a</sup>
1961	92.90 <sup>a</sup>	95.80 <sup>a</sup>	98.70 <sup>a</sup>	103.5 <sup>a</sup>						105.7 <sup>a</sup>		
1962			96.30 <sup>a</sup>	102.6 <sup>a</sup>						117.8 <sup>a</sup>		
1963			104.3 <sup>a</sup>	108.4 <sup>a</sup>						109.2 <sup>a</sup>		
1964			99.40					103.9				
1965			126.3	119.1						84.80		
1966			78.60	81.40		81.50				86.40		

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

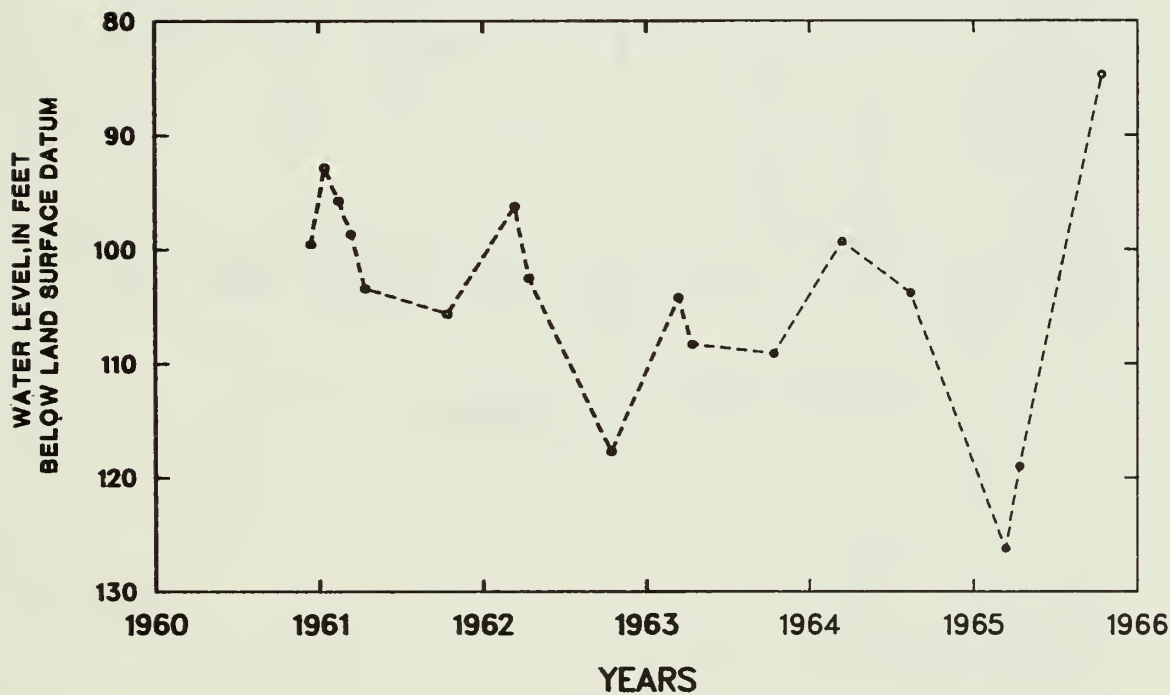


Figure 7.--Ground-water levels at Vega Alta 2, local number 61.

LOCAL NUMBER : 62  
 WELL NAME : Vega Alta 1  
 LATITUDE : 18°24'46"  
 DIAMETER : 16-12 INCHES

ELEVATION ABOVE MEAN SEA LEVEL: 102 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°19'48"  
 DEPTH : 210 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	96.59	100.2	100.1	108.8						114.7		
1962			98.41	105.6						114.0		
1963			113.1	112.7						107.1		
1964			104.3					102.1				
1965	129.0		95.50	128.3						91.00		
1966			83.55	87.13		87.00				92.00		
1967			87.33	88.70	121.0	95.19	117.0	97.43	96.46	96.00	121.4	108.1
1968	108.5	97.34	97.40	121.2	102.2	121.9	120.1	100.4	112.0	112.5	113.0	
1969	105.6			101.8			90.01		106.9	105.3		
1970		93.39			103.5		101.2	102.4				
1971						84.30	86.08		103.6	106.5		
1972	100.6		100.9									
1973	91.89		117.0	110.0		97.88	89.14	109.5		108.2	111.5	
1974	110.8		109.1	105.3	106.5	108.5	107.0					
1975			86.76	96.63					118.8	114.3	103.6	
1976			98.81	100.6	101.4	105.3	103.2	134.2	130.0	109.5	112.3	117.0
1977	113.7	118.7		119.0	119.0	120.0	114.0	114.0	111.0	108.0	107.0	101.0
1978	98.00	103.0	103.0	102.0		103.0	105.0	104.0	107.0	107.0	107.0	107.0
1979	102.6			102.6	137.2	93.20	107.5	104.9		104.2	81.30	100.1
1980	80.80	82.10	85.60		96.80		104.5	100.8	101.8	102.4		101.6
1981	100.9	98.28	96.35		97.38	84.25	84.60	84.97	87.08	92.36		86.32
1982	95.00	92.21	97.04	102.5	82.60	92.60	98.35	102.6	107.4	108.1	116.3	100.7
1983	98.90	113.0	137.9	114.0	114.5	99.90	100.3	121.5	97.84	98.58	112.6	110.5
1984	97.00	75.88	82.10	95.52	102.4	100.1	106.4	108.3	108.0	105.0	108.1	93.05
1985	96.85		101.3									

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

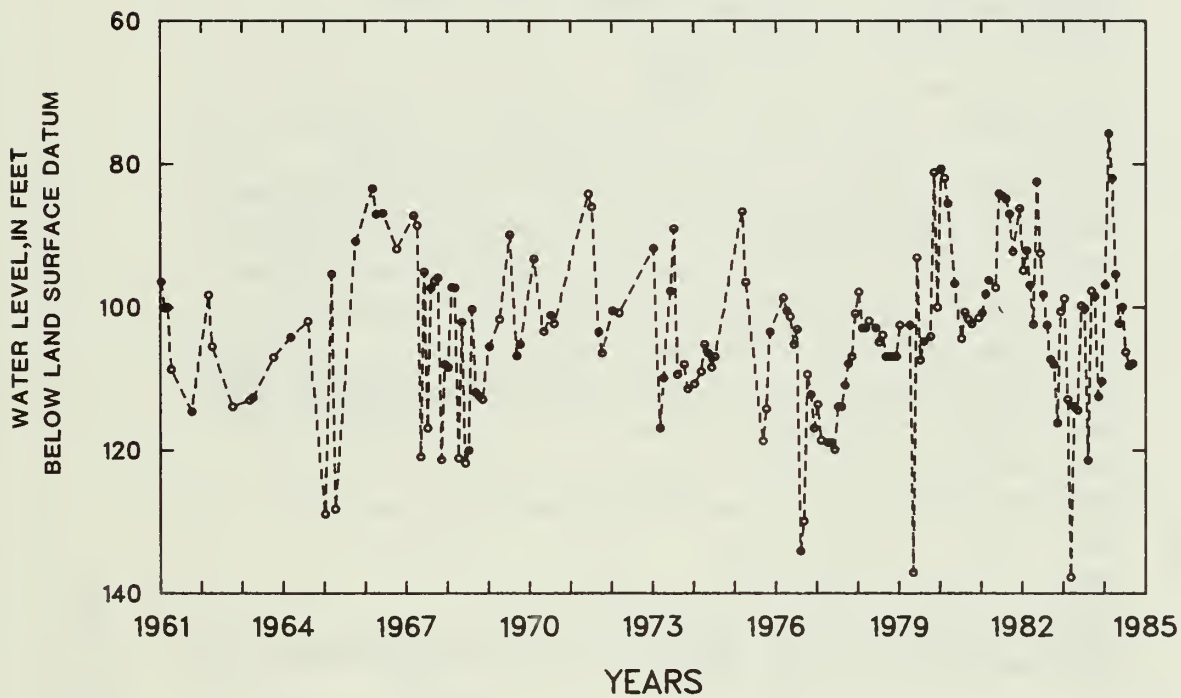


Figure 8.- Ground-water levels at Vega Alta Number 1, local number 62.

LOCAL NUMBER : 63  
 WELL NAME : Pugnado Afuera 2.  
 LATITUDE : 18°24'27"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 350 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°25'12"  
 DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959			112.1			94.17	97.01	103.1	107.6	111.5		113.7
1960	113.6		117.6 <sup>a</sup>	125.0 <sup>a</sup>	122.1 <sup>a</sup>	122.9 <sup>a</sup>	132.0 <sup>a</sup>	131.8 <sup>a</sup>	130.1 <sup>a</sup>	114.4 <sup>a</sup>	111.8 <sup>a</sup>	106.6 <sup>a</sup>
1961	96.98	97.30 <sup>a</sup>	102.0 <sup>a</sup>	106.2 <sup>a</sup>	115.6 <sup>a</sup>	122.2 <sup>a</sup>	110.3 <sup>a</sup>	136.0 <sup>a</sup>	138.8 <sup>a</sup>	138.9 <sup>a</sup>	138.3 <sup>a</sup>	107.0 <sup>a</sup>
1962		106.1 <sup>a</sup>	107.5 <sup>a</sup>	109.2 <sup>a</sup>	113.2 <sup>a</sup>	121.2 <sup>a</sup>	129.2 <sup>a</sup>	128.7 <sup>a</sup>	132.2 <sup>a</sup>	133.1 <sup>a</sup>	132.9 <sup>a</sup>	138.1 <sup>a</sup>
1963	138.0 <sup>a</sup>	134.6 <sup>a</sup>	129.2 <sup>a</sup>	122.7 <sup>a</sup>	112.2 <sup>a</sup>	105.4 <sup>a</sup>	116.4 <sup>a</sup>	111.8 <sup>a</sup>		105.8 <sup>a</sup>	111.7 <sup>a</sup>	100.5 <sup>a</sup>
1964	101.0	97.64	105.0	105.2	105.3	116.7	116.6	112.9	131.0		131.7	133.6
1965	136.0	138.5	139.5	145.6	145.7	112.5	113.5	116.6	117.9	97.00	99.58	105.1
1966	51.08	54.60	55.75	77.52	81.72	82.00	81.70	81.00	80.85	80.65	80.73	107.0
1967	109.0	109.2	113.8	114.8	107.5	111.0	115.6	113.7	114.0	114.1	116.6	117.0
1968	117.2	116.6	116.8		118.1	114.4	114.2	116.8	118.0	121.2	122.8	
1969	92.40		73.94	77.06	86.47		86.73		106.1	101.0		
1970		110.6					117.8					

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 64                      ELEVATION ABOVE MEAN SEA LEVEL: 20 feet  
 WELL NAME : Bo.Universidad Trun.OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°25'03"                      LONGITUDE : 66°02'30"  
 DIAMETER : 16 inches                      DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960								23.13 <sup>a</sup>	16.00	16.87	16.94	
1961	17.84	15.05	15.22	15.37	14.95	15.26	15.00	15.32	15.35	15.33	14.65	
1962	15.37	15.50 <sup>b</sup>	15.74	16.11	18.32 <sup>a</sup>		15.60		14.58	16.94 <sup>a</sup>	17.17 <sup>a</sup>	17.50 <sup>a</sup>
1963	17.10	17.24 <sup>a</sup>	17.91 <sup>a</sup>	15.56 <sup>a</sup>	14.77 <sup>a</sup>		23.83 <sup>a</sup>	21.89 <sup>a</sup>	22.21 <sup>a</sup>	22.08 <sup>a</sup>	22.23 <sup>a</sup>	20.64 <sup>a</sup>
1964	20.98	20.57 <sup>a</sup>	24.27 <sup>a</sup>	20.94 <sup>a</sup>	19.34 <sup>a</sup>	19.98	20.05 <sup>a</sup>	19.02 <sup>a</sup>	16.83 <sup>a</sup>	18.70 <sup>a</sup>	18.61 <sup>a</sup>	18.66 <sup>a</sup>
1965	19.21 <sup>a</sup>	19.20 <sup>a</sup>	20.35 <sup>a</sup>	15.60 <sup>a</sup>	17.97 <sup>a</sup>	13.95	13.85	13.90	14.41 <sup>a</sup>	13.80	14.10	
1966	18.70 <sup>a</sup>	18.08 <sup>a</sup>		17.55 <sup>a</sup>	17.70 <sup>a</sup>	18.90 <sup>a</sup>	13.90 <sup>a</sup>	19.60 <sup>a</sup>			20.00 <sup>a</sup>	20.10 <sup>a</sup>
1967	14.35	13.85	14.63	14.58	15.20	18.24	18.60 <sup>a</sup>		18.01 <sup>a</sup>	18.88 <sup>a</sup>	18.34 <sup>a</sup>	17.88 <sup>a</sup>
1968	17.68									17.00 <sup>a</sup>		14.33
1969	14.33		14.46	14.62		15.05		14.26	14.21			14.42
1970	14.98		15.53	19.64 <sup>a</sup>			14.44					
1971	16.66				15.37		14.55	14.04	14.33			

REMARKS: Well discontinued September 1971.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

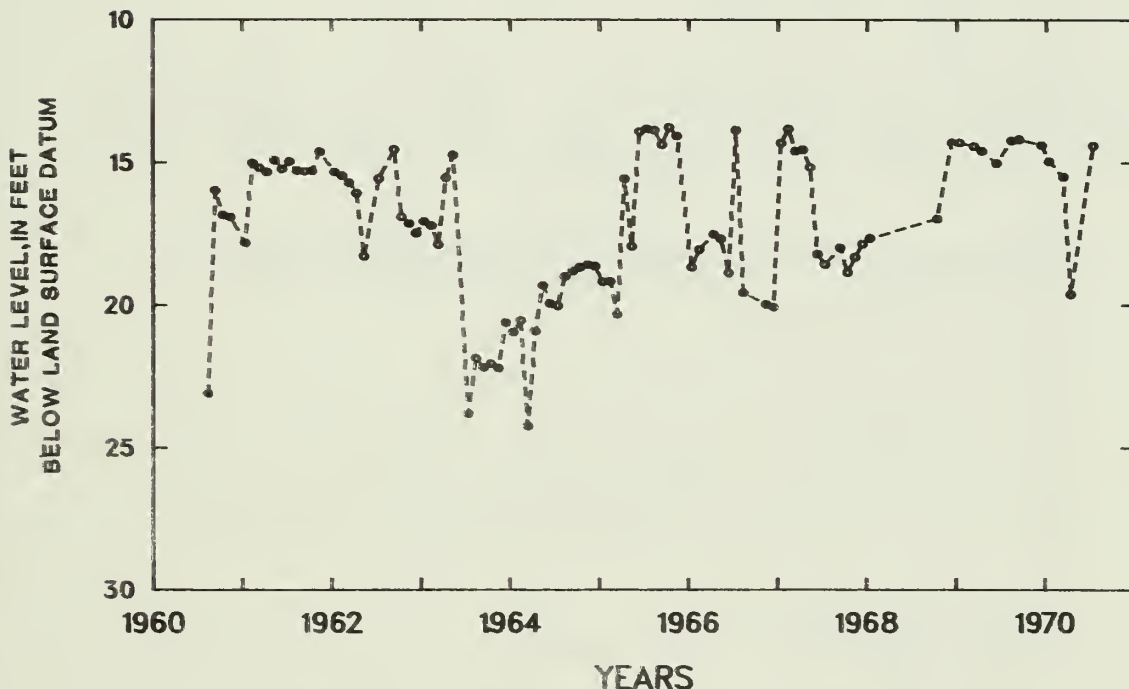


Figure 9.—Ground-water levels of Barrio Universidad TW, local number 64.

LOCAL NUMBER : 65                      ELEVATION ABOVE MEAN SEA LEVEL: 33 feet  
 WELL NAME : Hato Rey, McCra, well      OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°25'06"                  LONGITUDE : 66°03'08"  
 DIAMETER : 15 inches                  DEPTH : 205 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958							30.90					
1959				31.52						31.30		
1960				a	a	a	a	a				
1961	34.63	31.43	31.45	31.53	31.13	33.24	32.95	31.56	33.24	33.34	34.45	
1962	a	b	a	a	a				a	a	a	a
1963	a	a	a	a	a				a	a	a	a
1964	36.20	34.21	34.66	34.42	31.86		33.89	32.66	34.00	33.82	33.99	31.35
1965												
1966	31.53	30.77	35.32	32.36	35.25	35.49	35.22	31.72	31.48	31.55	31.42	31.45
1967	33.04	33.00	33.29	33.05	32.15	31.69	31.78	31.97	32.01	31.70	31.60	31.88
1968	a	a		36.64	32.27	31.90	31.85	33.84			a	a
1969	35.38	35.36		a	a	a	a				a	a
1970	31.64	31.30	31.85	32.00	31.90	35.75	34.78		a	a	a	a
1971	32.36		27.17	34.30	34.51	34.30		31.70		33.20		31.24
1972												
1973	31.38		31.85	32.30			35.49	41.56	32.20			
1974	31.24		31.88	34.12								
1975	28.97				a		31.67	31.08	31.85		30.89	
1976			27.70	31.06	34.02			a	a		a	
1977								34.38	34.82		33.93	
1978												31.21
1979												36.30
1980			31.33	32.65	42.40	33.47	34.80		35.96	31.11		
1981	32.23		31.29				30.46		30.01			
1982												
1983	a	a		31.63	29.60	30.90	29.47	22.40	29.24	28.95	29.02	29.21
1984	a	a		a	a	a	a	a	a	a	a	a
1985	30.82	31.61		31.95	31.78	29.98	34.10	29.51	29.95	35.92	29.23	29.32
1986	a	a										
1987	34.42	30.85	30.01	29.50								
1988												
1989	a	a	a	a	a	a	a	a		a		
1990	31.22	34.69	30.47	32.58	33.42	31.49	31.00	31.80	31.50	33.14	31.71	31.27
1991												
1992	32.26	31.58	31.45		31.46	30.58	30.47		30.45	39.30		30.02
1993							a					
1994	30.68	30.29	30.63	34.36	30.28	30.05	31.54	31.50	31.26	31.41	31.28	30.81
1995												
1996	31.30	31.35	31.44	31.35	31.27	31.52	31.29	31.54	31.35	31.24	31.05	30.35
1997												
1998	30.43	30.33	30.80	30.75	31.25	31.46	31.46	31.48	31.30	30.46	30.57	30.62
1999												
2000	30.59	30.74										

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



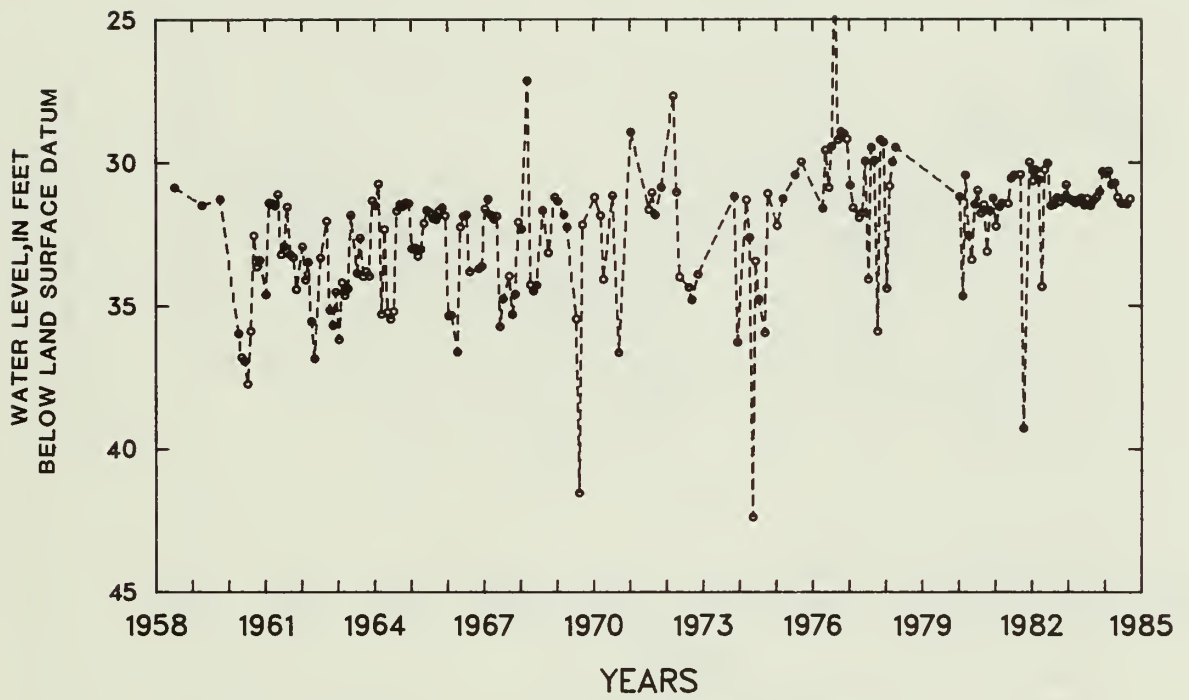


Figure 10.--Ground-water levels at Hato Rey Central, McCracken, local number 65.

LOCAL NUMBER : 66  
 WELL NAME : Sabana Seca  
 LATITUDE : 18°25'47"  
 DIAMETER : inches

ELEVATION ABOVE MEAN SEA LEVEL: 50 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°11'08"  
 DEPTH : 130 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958 :					45.29			45.42		45.31		
1959 :			b	a	a	a				a		
1960 :	47.45	47.70	46.8	47.8	46.51	46.27	46.17	45.43		46.77		
1961 :	45.12	45.35	46.03	48.92	48.66	48.90				47.49	47.65	44.95
1962 :		46.81	47.27	46.50	47.96	47.24	47.39		47.72	47.04	47.70	48.12
1963 :	47.63	47.72	48.16	47.49	47.81		47.62	47.60	46.35	46.86	47.42	48.90
1964 :	48.33	48.10	48.43	49.24	48.84	50.68	50.63	48.58	47.62	47.62	47.53	48.45
1965 :	48.95	49.26	49.68	49.71		48.50	47.10	46.67	46.07	46.53	46.24	46.10
1966 :	46.59		47.65	47.95	48.07			48.38		48.40	48.12	48.05
1967 :	48.00	48.30	48.40	48.40	56.38	49.60	49.71		49.54	49.92	49.70	48.91
1968 :	49.19	49.45	49.71	51.04	52.65	52.66	50.64	49.84	49.79	50.58	50.82	
1969 :	49.42			52.20		50.50	50.54		48.40			
1970 :				50.74	50.41		47.05	53.82				
1971 :	54.68				46.80	45.96	46.41		47.00	47.40	47.74	47.35
1972 :	47.24		47.98					47.19	46.72			
1973 :	46.91		48.45	49.16	47.22	47.12	47.53	47.65		47.60	46.82	
1974 :	47.14	46.52		46.34	46.64	46.70	46.80				45.50	46.15
1975 :	46.54		47.11	47.11		46.32	46.10		47.63	46.88	46.82	46.30
1976 :			48.04	51.31	48.18	49.03	56.60	57.75	48.39	47.13	47.86	48.02
1977 :	48.55	48.02	48.70	48.59	50.30	50.00	47.53	46.92	46.36	46.03	47.24	47.27
1978 :	47.45	47.20	47.64	47.67		46.90	47.00	46.87	47.01	47.05	48.30	
1979 :	46.68			46.18	45.24	44.04	43.95	45.75		43.63	43.78	42.58
1980 :	44.08	44.45	44.52	45.07	45.45	45.20	45.30	45.45	45.47	45.29		44.87
1981 :	44.94	44.82	45.01			47.89	48.38	44.05	44.70	44.83	44.50	39.23
1982 :	42.44	43.27	43.95	44.53	42.77	43.62	43.78	43.58	42.62		43.35	43.48
1983 :		43.88	44.47		42.74	42.97	43.20	43.54	43.60	43.63		44.30
1984 :	46.87	44.02	44.55	44.96	45.36	45.14	44.77	44.87	44.92	44.60		45.30
1985 :	44.23		44.72									

REMARKS: Well discontinued, April, 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

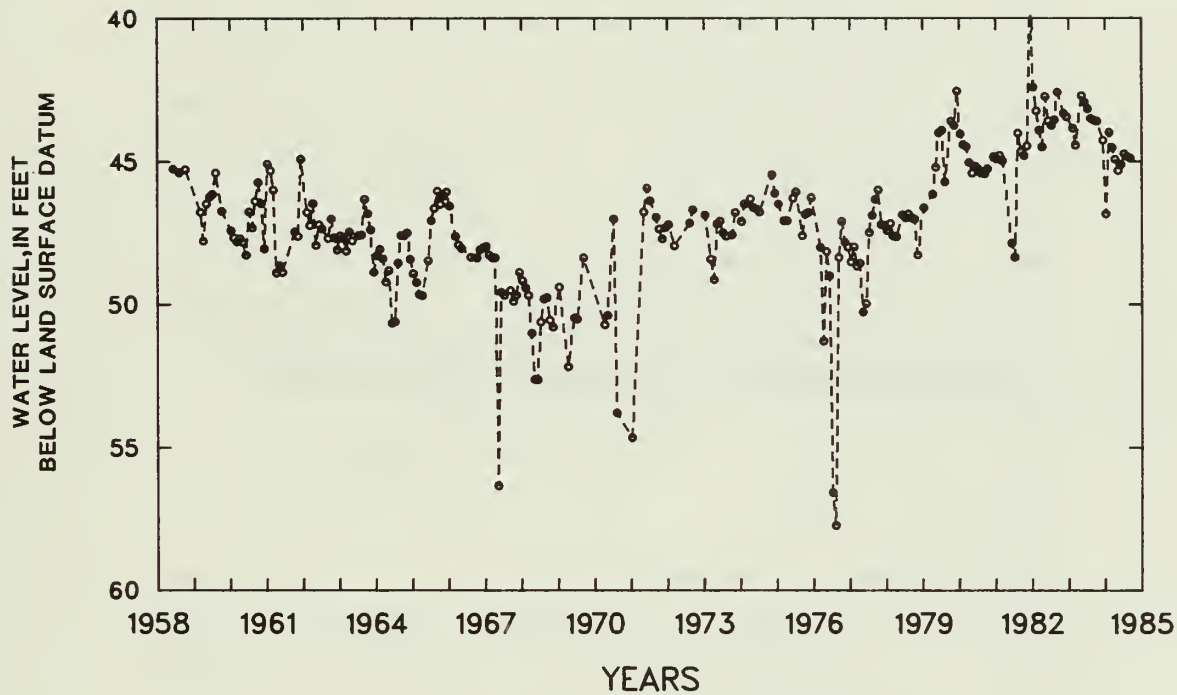


Figure 11.--Ground-water levels at Sabana Seca, local number 66.

LOCAL NUMBER : 67  
 WELL NAME : Campanilla  
 LATITUDE : 18°25'18"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 39 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°14'42"  
 DEPTH : 300 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959			36.30 <sup>a</sup>	37.30 <sup>a</sup>	34.90 <sup>a</sup>	34.20 <sup>a</sup>	35.10 <sup>a</sup>	35.30 <sup>a</sup>		39.30 <sup>a</sup>		38.30 <sup>a</sup>
1960	38.20 <sup>a</sup>	38.60 <sup>a</sup>	38.70 <sup>a</sup>	39.60 <sup>a</sup>	38.60 <sup>a</sup>	40.80 <sup>a</sup>	39.80 <sup>a</sup>	37.90 <sup>a</sup>	38.20 <sup>a</sup>	34.90 <sup>a</sup>	35.80 <sup>a</sup>	35.50 <sup>a</sup>
1961	35.80 <sup>a</sup>	35.90 <sup>a</sup>	29.74 <sup>a</sup>	36.50 <sup>a</sup>	36.60 <sup>a</sup>	36.50 <sup>a</sup>		36.00 <sup>a</sup>	35.40 <sup>a</sup>	36.60 <sup>a</sup>	37.33 <sup>a</sup>	33.28 <sup>a</sup>
1962		35.45 <sup>a</sup>	36.38 <sup>a</sup>	29.63 <sup>a</sup>	37.10 <sup>a</sup>	36.80 <sup>a</sup>	36.27 <sup>a</sup>		36.03 <sup>a</sup>	36.90 <sup>a</sup>	36.90 <sup>a</sup>	38.18 <sup>a</sup>
1963	36.90 <sup>a</sup>	36.62 <sup>a</sup>	36.19 <sup>a</sup>	35.40 <sup>a</sup>	33.75 <sup>a</sup>		37.96 <sup>a</sup>	39.08 <sup>a</sup>	37.91 <sup>a</sup>	38.39 <sup>a</sup>	36.10 <sup>a</sup>	36.46 <sup>a</sup>
1964	36.59 <sup>a</sup>	36.83 <sup>a</sup>	37.68 <sup>a</sup>	37.70 <sup>a</sup>	37.57 <sup>a</sup>	39.88 <sup>a</sup>	39.95 <sup>a</sup>	41.99 <sup>a</sup>	38.35 <sup>a</sup>	36.90 <sup>a</sup>	36.75 <sup>a</sup>	43.33 <sup>a</sup>
1965	35.65 <sup>a</sup>	44.87 <sup>a</sup>	45.78 <sup>a</sup>									
1966			42.00 <sup>a</sup>	42.98 <sup>a</sup>	34.43 <sup>a</sup>	41.96 <sup>a</sup>	34.75 <sup>a</sup>	34.70 <sup>a</sup>		34.45 <sup>a</sup>	33.89 <sup>a</sup>	33.70 <sup>a</sup>
1967	33.55 <sup>a</sup>	33.52 <sup>a</sup>	33.21 <sup>a</sup>	33.00 <sup>a</sup>	35.23 <sup>a</sup>	49.90 <sup>a</sup>	38.04 <sup>a</sup>		36.64 <sup>a</sup>	38.39 <sup>a</sup>	37.52 <sup>a</sup>	36.66 <sup>a</sup>
1968	36.77 <sup>a</sup>	38.12 <sup>a</sup>	36.13 <sup>a</sup>	36.58 <sup>a</sup>	37.15 <sup>a</sup>	37.24 <sup>a</sup>	35.14 <sup>a</sup>	32.70 <sup>a</sup>	34.13 <sup>a</sup>	35.32 <sup>a</sup>	37.33 <sup>a</sup>	
1969	35.13 <sup>a</sup>		33.95 <sup>a</sup>	35.13 <sup>a</sup>		34.73 <sup>a</sup>	35.60 <sup>a</sup>		35.90 <sup>a</sup>			
1970					37.79 <sup>a</sup>		35.91 <sup>a</sup>	34.44 <sup>a</sup>				
1971						35.37 <sup>a</sup>	35.68 <sup>a</sup>		36.43 <sup>a</sup>	36.98 <sup>a</sup>		
1972	37.79 <sup>a</sup>		38.09 <sup>a</sup>					37.90 <sup>a</sup>	37.47 <sup>a</sup>			
1973	36.87 <sup>a</sup>		37.40 <sup>a</sup>	36.30 <sup>a</sup>		34.22 <sup>a</sup>	35.93 <sup>a</sup>	36.77 <sup>a</sup>			37.10 <sup>a</sup>	
1974	43.64 <sup>a</sup>	38.05 <sup>a</sup>		39.09 <sup>a</sup>	39.13 <sup>a</sup>		39.74 <sup>a</sup>					34.51 <sup>a</sup>
1975	35.46 <sup>a</sup>		36.38 <sup>a</sup>	38.47 <sup>a</sup>		37.51 <sup>a</sup>	38.84 <sup>a</sup>		38.15 <sup>a</sup>	36.97 <sup>a</sup>	35.69 <sup>a</sup>	33.52 <sup>a</sup>
1976			36.30 <sup>a</sup>	36.85 <sup>a</sup>	36.00 <sup>a</sup>	37.95 <sup>a</sup>	36.90 <sup>a</sup>	38.15 <sup>a</sup>	38.55 <sup>a</sup>	38.35 <sup>a</sup>	37.93 <sup>a</sup>	38.26 <sup>a</sup>
1977	38.32 <sup>a</sup>	38.40 <sup>a</sup>	38.83 <sup>a</sup>	38.69 <sup>a</sup>	39.45 <sup>a</sup>	38.97 <sup>a</sup>	38.77 <sup>a</sup>	38.51 <sup>a</sup>	39.10 <sup>a</sup>	38.28 <sup>a</sup>	38.08 <sup>a</sup>	37.62 <sup>a</sup>
1978	38.28 <sup>a</sup>	37.50 <sup>a</sup>	37.71 <sup>a</sup>	38.21 <sup>a</sup>			38.49 <sup>a</sup>	38.68 <sup>a</sup>	38.61 <sup>a</sup>	39.13 <sup>a</sup>		
1979	38.97 <sup>a</sup>			33.97 <sup>a</sup>	33.92 <sup>a</sup>	31.20 <sup>a</sup>	30.68 <sup>a</sup>	33.06 <sup>a</sup>	29.79 <sup>a</sup>	28.50 <sup>a</sup>	32.85 <sup>a</sup>	31.39 <sup>a</sup>
1980	33.99 <sup>a</sup>	33.34 <sup>a</sup>	34.26 <sup>a</sup>	34.28 <sup>a</sup>	35.92 <sup>a</sup>	35.30 <sup>a</sup>	35.39 <sup>a</sup>	35.43 <sup>a</sup>	35.45 <sup>a</sup>	35.89 <sup>a</sup>		34.85 <sup>a</sup>
1981	35.11 <sup>a</sup>	35.34 <sup>a</sup>	33.90 <sup>a</sup>		34.02 <sup>a</sup>	33.24 <sup>a</sup>	34.15 <sup>a</sup>	33.85 <sup>a</sup>	33.77 <sup>a</sup>	34.25 <sup>a</sup>	33.72 <sup>a</sup>	33.91 <sup>a</sup>
1982	29.42 <sup>a</sup>	31.68 <sup>a</sup>	32.64 <sup>a</sup>	34.27 <sup>a</sup>	33.04 <sup>a</sup>	33.60 <sup>a</sup>	34.02 <sup>a</sup>	33.80 <sup>a</sup>	33.59 <sup>a</sup>	34.93 <sup>a</sup>		33.38 <sup>a</sup>
1983		34.10 <sup>a</sup>					33.22 <sup>a</sup>		34.25 <sup>a</sup>	34.31 <sup>a</sup>		34.12 <sup>a</sup>

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

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LOCAL NUMBER : 69  
 WELL NAME : Higuillar  
 LATITUDE : 18°26'36"  
 DIAMETER : 10 inches

ELEVATION ABOVE MEAN SEA LEVEL: 60 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°16'42"  
 DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958							41.21		49.53			
1959			49.61	50.13	48.80	48.13	48.79	50.04	49.56	42.29	49.56	
1960	42.55	49.73	49.80	43.28	49.80	50.00	49.53	49.33	48.27	57.40	57.41	55.95
1961	55.91	56.31	57.90	57.69	57.75	57.69		56.39	56.58	56.10	56.31	53.68
1962		55.39	56.89	56.92	56.10	56.47	56.87		43.90	55.90	44.25	56.50
1963	44.02	43.98	46.11	54.95	44.03		55.04	54.18	54.33	54.50	54.61	53.29
1964	53.49	53.88	54.53	54.68	52.66	44.76	44.65	51.97	52.31	52.48	52.33	52.76
1965	53.68	53.17	52.81	54.13		53.36	53.75	53.80	50.76	49.90	50.45	50.03
1966	50.40		50.13	53.62	50.62	51.70	51.60	51.56		51.80	51.83	51.88
1967	52.00	51.74	51.65	52.00	53.17	45.03	50.33	50.11	51.43	54.19	53.73	52.99
1968	53.20	53.54		53.88	54.16	53.94	53.65	54.10	53.88	54.41	55.36	
1969	53.52		57.50	57.53		58.26	58.15		54.28			
1970		54.35			55.25		54.65	53.79				
1971						52.42	53.53	52.95	54.10	54.10		
1972	44.09		45.00									
1973	48.10			58.10	51.82	53.34	54.70				54.14	
1974	54.30	54.12		53.88	54.64	54.70	54.88		54.30		50.83	52.18
1975	53.16		48.74	54.15		54.19	54.51		54.20	53.15	53.22	
1976			53.11	57.78		50.50	53.44	58.57	53.62	53.45	53.22	44.70
1977	44.92	44.66	52.10	45.09	53.35	53.44	53.52	53.19	53.10	58.89	52.89	51.55
1978	52.40	56.90	52.50	52.50		52.71	53.72	54.75	53.14	53.08	53.00	
1979	53.69			53.51	52.60	51.40	51.40	52.30	49.14	54.61	51.32	52.21
1980	52.66	51.27	51.84	52.19	52.37	52.50	52.59	52.97	53.38	53.73		53.20
1981	53.25	53.33	52.78		52.22	52.15	52.26	52.69	53.30	53.06	52.29	52.53
1982	51.08	51.90	52.19	52.70	51.27	52.80	53.31	53.08	52.08	53.20	53.11	53.55
1983		53.63	54.55	54.42	50.71	52.08	52.15	53.07	53.17	54.07	53.98	54.17
1984	49.70	53.30	52.70	51.26	45.15	51.26	54.26	53.56	54.15	49.04	49.04	49.64
1985	48.47		49.16									

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well



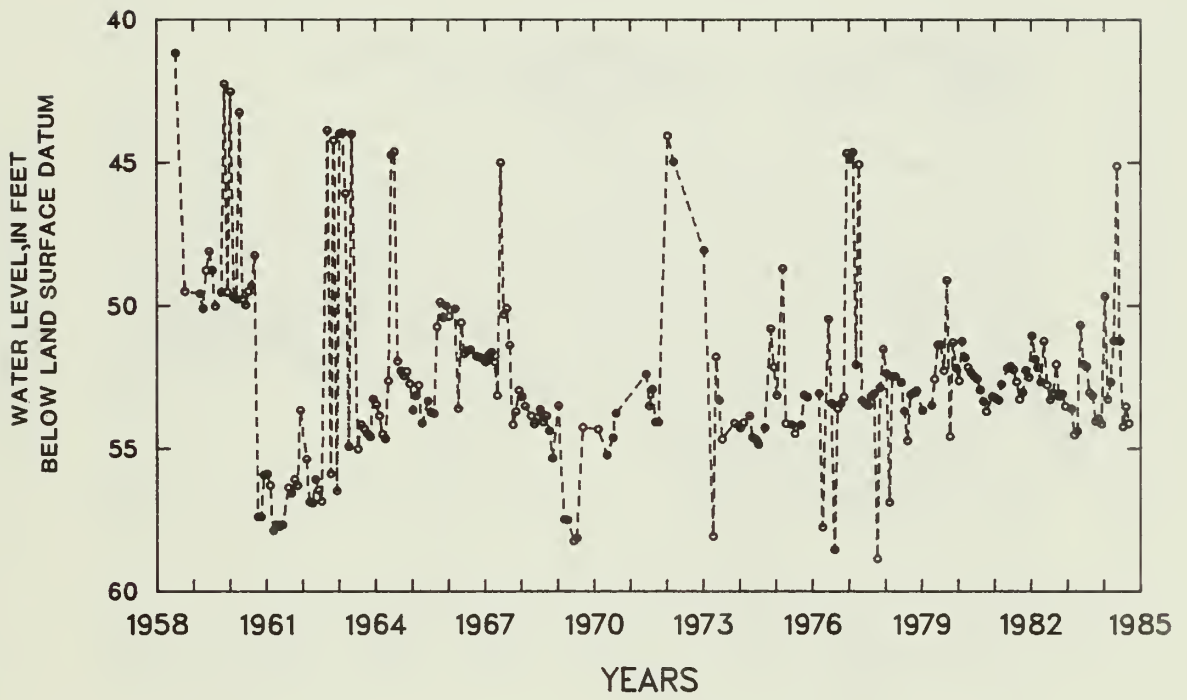


Figure 12.--Ground-water levels at Higuillar, local number 69.

LOCAL NUMBER : 150                      ELEVATION ABOVE MEAN SEA LEVEL: 131.2 feet  
 WELL NAME : Monterrey Forestal        OWNER : P.R. Aqueduct and Sewer Authority (loaned)  
 LATITUDE : 18°26'23"                  LONGITUDE : 66°18'14"  
 DIAMETER : 12 inches                  DEPTH : 400 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1982	190.3	191.3	205.4	210.9	197.0		195.2	203.0	207.9	197.6	199.7 <sup>a</sup>	199.9
1983	208.1	204.1	207.7	207.6	195.6	197.8	199.8	206.8	184.3	184.2	183.8	184.2
1984	184.6	184.0	184.6	193.3	185.6	185.1	184.7	195.4	196.5	193.5	183.3	182.3

LOCAL NUMBER : 70                      ELEVATION ABOVE MEAN SEA LEVEL: 49 feet  
 WELL NAME : Bo. Sabana Hoyos        OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°26'47"                  LONGITUDE : 66°20'17"  
 DIAMETER : 8.0 inches                  DEPTH : 90 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1960		27.09	27.33	27.57	27.46	27.65	27.62	27.10	27.00	26.69	27.14	26.74
1961	26.09	26.79	27.22	27.47	27.54	27.78	27.73	27.32	27.35	27.55	27.57	25.85
1962	25.52	26.21	26.75	27.02	27.16	27.19	27.24	27.30	27.35	27.40	27.55	27.71
1963	27.27	27.45	27.73	27.06	27.20	27.13	27.24	27.06	26.89	26.81	26.90	26.50
1964		27.23	27.49	27.51	27.85	27.96	27.79	27.82	27.63	27.79	28.02	28.19
1965	28.37										25.92	25.96
1966	25.30 <sup>e</sup>	25.80	25.91	25.57	25.88	25.74	26.23	26.45	26.55	26.63	26.63	26.64
1967	26.92	27.51	27.95	28.59		29.05	29.05	28.90	28.94	28.98	28.68	28.89
1968	28.92	29.12	28.97	29.32	29.40	29.22	28.89	28.90	28.69	29.06	29.14	27.64
1969	27.91	27.52	27.87	28.18	28.25	28.00	28.10	28.34	28.44	28.90	28.86	
1970		28.10	28.19		28.34	28.53	28.45	28.40	27.94	27.93		
1971	24.98	25.47	26.15		26.89	27.37	27.74	27.84 <sup>e</sup>	28.14	28.24	28.46	28.67
1972	28.60	28.66	28.57	28.67	28.87	29.07	29.08	29.07	29.03	29.00	28.64	28.70
1973			29.05	29.21	27.71	28.02		28.76	28.76	28.84	29.97	29.97
1974	29.09	28.88	29.22	29.36	29.45	29.55	29.73	29.72	29.88	29.60	26.39	27.41
1975	28.40	28.86	29.14	29.58	29.83	30.06	31.10	31.08	30.02	28.87	28.68	26.78
1976	28.00	28.45		28.81	29.04	29.21	29.25	29.48	29.53	29.48	29.59	29.67
1977	29.82	29.80	29.97	30.09	30.26	30.37	30.42	30.28	30.01	29.94	29.38	28.37
1978	29.24	29.33	29.42	29.34	29.06	29.51	29.77	29.94	29.96	30.07	29.98	29.88
1979	30.30	30.66	30.28	30.06	29.83	27.92	27.86	28.06	26.10	26.75	26.94	26.62
1980	27.14 <sup>e</sup>	27.67	28.03	28.39	28.79	28.83	29.01	29.16	29.23	29.18	29.22	29.27
1981	29.22	29.35	29.48	28.72	28.72	27.96	28.23	28.17	28.51	28.79	28.60	28.34
1982	26.34	26.89	27.58	28.05	28.10	27.73	28.03	28.33	28.32	28.70	28.81	28.99
1983	28.85	29.27	29.56	29.67	29.05	29.14	29.35	29.46	29.27	29.07	28.96	29.18
1984	29.40	29.46	29.64	30.02	30.15	30.03	29.74	29.66	29.74	29.13	29.00	28.40
1985	28.39	28.86	28.86	28.93	28.86	28.34	28.80	29.03	28.99			

Remark: Recorder installed February, 1960, removed February, 1965, and reinstalled November, 1965.

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

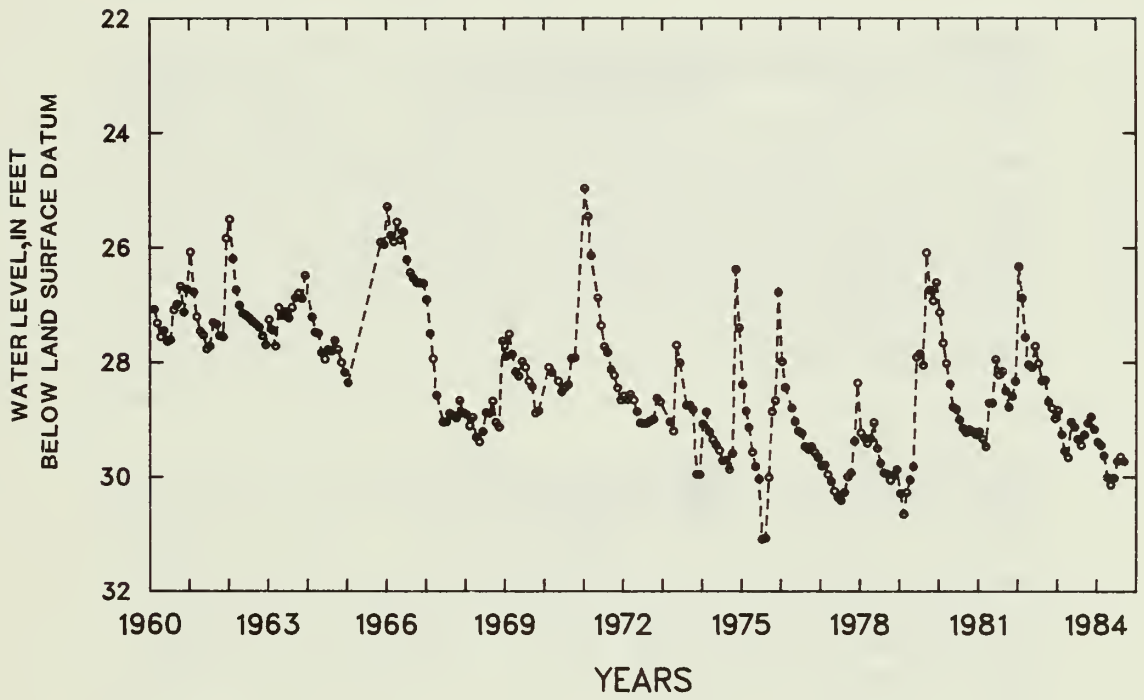


Figure 13.--Ground-water levels at Barrio Sabana Hoyos, local number 70.

LOCAL NUMBER : 155                      ELEVATION ABOVE MEAN SEA LEVEL: 49.20 feet  
 WELL NAME : La Trocha                    OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°26'12"                    LONGITUDE : 66°22'54"  
 DIAMETER : 20-16 inches                DEPTH : 200 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982 :	32.23	34.02	34.38	33.56	33.26	33.48						
1983 :				34.27	33.95	34.08	34.00	34.32	34.60	34.10	34.02	34.38
1984 :	34.40	33.26	33.48	34.60	33.95	34.08	34.51	34.32	34.60	34.22	34.00	33.92

LOCAL NUMBER : 167                      ELEVATION ABOVE MEAN SEA LEVEL: 65.6 feet  
 WELL NAME : U.S.G.S. No. 3                OWNER : P.R. Land Authority  
 LATITUDE : 18°26'56"                    LONGITUDE : 66°22'15"  
 DIAMETER : 6 inches                      DEPTH : 238 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982 :	13.07	13.22	14.40	14.38	14.05	13.90	14.80	14.50	14.66	14.95 <sup>n</sup>	15.24 <sup>n</sup>	15.47 <sup>n</sup>
1983 :	15.12 <sup>n</sup>	15.30 <sup>n</sup>	15.90 <sup>n</sup>	16.00 <sup>n</sup>	15.55 <sup>n</sup>	15.70 <sup>n</sup>	15.50 <sup>n</sup>	16.90 <sup>n</sup>	14.93 <sup>n</sup>	15.13	14.95	15.14
1984 :	14.42	15.19			15.92	15.52	15.60	15.54	15.96	15.12	14.63	14.75

REMARKS: Well discontinued.

LOCAL NUMBER : 156                      ELEVATION ABOVE MEAN SEA LEVEL: 49.20 feet  
 WELL NAME : El Criollo No. 1              OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°26'48"                    LONGITUDE : 66°23'09"  
 DIAMETER : 20-16 inches                DEPTH : 120 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982 :	45.60 <sup>a</sup>	40.52 <sup>a</sup>	40.88 <sup>a</sup>	46.87 <sup>a</sup>	40.60 <sup>a</sup>	45.52 <sup>a</sup>	42.34 <sup>a</sup>	43.00 <sup>a</sup>	43.16 <sup>a</sup>	42.98 <sup>a</sup>	42.61 <sup>a</sup>	42.28 <sup>a</sup>
1983 :	42.90 <sup>a</sup>	43.10 <sup>a</sup>	43.40 <sup>a</sup>	47.30 <sup>a</sup>	43.10 <sup>a</sup>	43.29 <sup>a</sup>	42.50 <sup>a</sup>	43.23 <sup>a</sup>	43.06 <sup>a</sup>	42.95 <sup>a</sup>	43.95 <sup>a</sup>	43.94 <sup>a</sup>
1984 :	41.89 <sup>a</sup>	43.67 <sup>a</sup>	44.02 <sup>a</sup>	42.89 <sup>a</sup>	43.00 <sup>a</sup>	43.88 <sup>a</sup>	43.95 <sup>a</sup>	43.75 <sup>a</sup>	43.65 <sup>a</sup>	43.36 <sup>a</sup>	43.07 <sup>a</sup>	43.13 <sup>a</sup>
1985 :	42.91 <sup>a</sup>		43.00 <sup>a</sup>									

REMARKS: Well discontinued.

LOCAL NUMBER : 151                      ELEVATION ABOVE MEAN SEA LEVEL: 19.7 feet  
 WELL NAME : Rice Program No. 3            OWNER : AFDA- P.R. Department of Agriculture  
 LATITUDE : 18°27'05"                    LONGITUDE : 66°21'35"  
 DIAMETER : 16-18 inches                DEPTH : 160 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982 :	3.72	16.80 <sup>a</sup>	4.76	25.70 <sup>a</sup>	4.74	5.25	5.80	41.78 <sup>a</sup>	5.86	6.00	6.40	28.05 <sup>a</sup>
1983 :	6.25	6.70	6.91	33.10 <sup>a</sup>	6.60	6.85	34.50 <sup>a</sup>	35.80 <sup>a</sup>	6.25	6.30	6.32	6.48
1984 :	6.80	6.68			7.39	7.03	6.96	6.88	6.62	6.40	5.89	6.03

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 168                      ELEVATION ABOVE MEAN SEA LEVEL: 9.84 feet  
 WELL NAME : Rice Program No. 4        OWNER : AFOA P.R. Department of Agriculture  
 LATITUDE : 18°27'51"                    LONGITUDE : 66°26'16"  
 DIAMETER : 16 inches                    DEPTH : 150 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1982			6.15	6.30	6.60	6.80	15.60 <sup>a</sup>	6.67	6.55	6.50	13.68 <sup>a</sup>	13.45 <sup>a</sup>
1983	12.29 <sup>a</sup>		13.60 <sup>a</sup>	12.67 <sup>a</sup>	12.10 <sup>a</sup>	13.00 <sup>a</sup>	12.90 <sup>a</sup>	6.50	6.19	49.90 <sup>a</sup>	46.77 <sup>a</sup>	43.90 <sup>a</sup>
1984	5.90	43.22 <sup>a</sup>			6.15	5.77	5.76	42.65 <sup>a</sup>	24.17 <sup>a</sup>	28.68 <sup>a</sup>	5.01	4.75
1985	4.96											

REMARKS: Well discontinued.

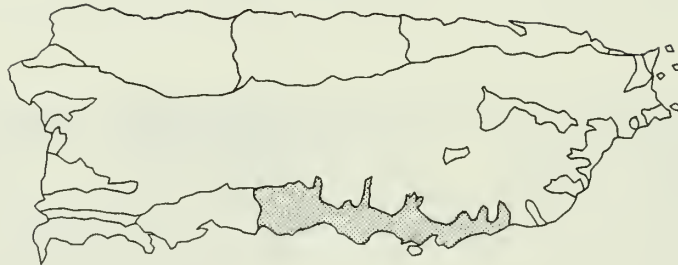
LOCAL NUMBER : 169                      ELEVATION ABOVE MEAN SEA LEVEL: 13.10 feet  
 WELL NAME : Rice Program No. 5        OWNER : AFOA - P.R. Department of Agriculture  
 LATITUDE : 18°27'40"                    LONGITUDE : 66°22'30"  
 DIAMETER : 16 inches                    DEPTH : 140 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1983										6.33	11.37 <sup>a</sup>	11.10 <sup>a</sup>
1984	12.10 <sup>a</sup>	10.87 <sup>a</sup>			12.05 <sup>a</sup>	6.35	7.44	7.37	7.62	11.30 <sup>a</sup>	6.40	6.54

REMARKS: Well discontinued.

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

**WELLS IN THE  
SOUTH COAST PROVINCE  
Patilla to Ponce**



LOCAL NUMBER : 125  
WELL NAME : Patillas, STP  
LATITUDE : 18°00'10"  
DIAMETER : 16-12 inches  
ELEVATION ABOVE MEAN SEA LEVEL: 48 feet  
OWNER : P.R. Aqueduct and Sewer Authority  
LONGITUDE : 66°00'45"  
DEPTH : 90 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1976 :	33.37 <sup>a</sup>		36.95 <sup>a</sup>				34.85 <sup>a</sup>	38.20 <sup>a</sup>	38.58 <sup>a</sup>	39.64 <sup>a</sup>	30.42 <sup>a</sup>	40.79 <sup>a</sup>
1977 :	48.46 <sup>a</sup>	48.74 <sup>a</sup>		46.35 <sup>a</sup>	48.43 <sup>a</sup>		48.75 <sup>a</sup>	48.34 <sup>a</sup>	40.78 <sup>a</sup>	47.54 <sup>a</sup>		
1978 :	36.72 <sup>a</sup>	36.48 <sup>a</sup>	48.13 <sup>a</sup>	51.44 <sup>a</sup>		48.50 <sup>a</sup>	48.70 <sup>a</sup>	49.38 <sup>a</sup>	48.65 <sup>a</sup>	48.16 <sup>a</sup>	41.35 <sup>a</sup>	47.90 <sup>a</sup>
1979 :	48.25 <sup>a</sup>	48.62 <sup>a</sup>	48.10 <sup>a</sup>	48.55 <sup>a</sup>	52.98 <sup>a</sup>	47.80 <sup>a</sup>	48.75 <sup>a</sup>	40.78 <sup>a</sup>		35.10 <sup>a</sup>	39.82 <sup>a</sup>	43.37 <sup>a</sup>
1980 :	42.79 <sup>a</sup>		49.80 <sup>a</sup>	48.39 <sup>a</sup>	48.64 <sup>a</sup>	50.84 <sup>a</sup>	46.90 <sup>a</sup>	46.54 <sup>a</sup>		47.60 <sup>a</sup>	45.50 <sup>a</sup>	48.76 <sup>a</sup>
1981 :	46.34 <sup>a</sup>	30.77 <sup>a</sup>	32.97 <sup>a</sup>	32.20 <sup>a</sup>	43.19 <sup>a</sup>	12.83 <sup>a</sup>	40.47 <sup>a</sup>	43.32 <sup>a</sup>	42.12 <sup>a</sup>	44.30 <sup>a</sup>	44.03 <sup>a</sup>	47.66 <sup>a</sup>
1982 :	45.24 <sup>a</sup>	45.64 <sup>a</sup>	46.38 <sup>a</sup>	45.85 <sup>a</sup>	47.70 <sup>a</sup>	48.82 <sup>a</sup>	49.05 <sup>a</sup>	48.59 <sup>a</sup>	47.96 <sup>a</sup>		48.20 <sup>a</sup>	47.30 <sup>a</sup>
1983 :		48.87 <sup>a</sup>	48.90 <sup>a</sup>	48.95 <sup>a</sup>	48.30 <sup>a</sup>	17.28 <sup>a</sup>	47.35 <sup>a</sup>	48.78 <sup>a</sup>	48.37 <sup>a</sup>	48.83 <sup>a</sup>	48.87 <sup>a</sup>	50.10 <sup>a</sup>
1984 :	48.90 <sup>a</sup>	48.76 <sup>a</sup>	48.90 <sup>a</sup>	48.16 <sup>a</sup>	52.10 <sup>a</sup>	50.63 <sup>a</sup>	51.33 <sup>a</sup>	48.72 <sup>a</sup>	20.58 <sup>a</sup>	47.62 <sup>a</sup>	51.04 <sup>a</sup>	48.65 <sup>a</sup>

REMARKS: Well discontinued.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

LOCAL NUMBER : 17  
 WELL NAME : Patillas 2  
 LATITUDE : 18°00'18"  
 DIAMETER : 13 inches

ELEVATION ABOVE MEAN SEA LEVEL: 50 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°01'02"  
 DEPTH : 100 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									5.63	4.54	5.06	6.04
1960	7.53	8.50	8.94	9.20	8.04	7.84	6.88	6.83	3.72	6.94	6.06	3.33
1961	6.49	6.22	7.51	9.42	9.10	9.54	5.79	5.98	4.16	5.31	5.79	5.13
1962	6.43	6.73	7.97	7.99	8.15	7.02	5.57	6.70	5.70	4.53	6.05	6.68
1963	6.70	7.40	7.70	8.76	9.62	7.52	8.33		6.68	7.66	7.73	7.68
1964	8.24	9.64	10.64	11.01	9.64	9.06	7.93	7.94	7.00	6.40	6.24	7.29
1965	7.93	8.00	8.85	9.92	9.42	9.09	6.72	5.63	5.74	5.58	5.81	5.85
1966	6.57	6.69	8.64	8.51	9.19	7.66	7.43	6.23	6.41		5.16	6.66
1967	6.59	7.75	7.95	8.61	8.43	9.20	8.29	8.25	10.82	10.25	10.12	8.80
1968	9.58	8.50	10.04	11.60	10.70	5.10	8.00	6.30	6.50	8.39	9.40	8.28
1969	10.39					7.03		6.72	6.04			9.70
1970	10.36					8.69		9.22	8.22	9.01		6.82
1971	7.09	9.25	9.52	9.94			8.03	9.28	7.47	10.20		

REMARKS: Obstruction.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



LOCAL NUMBER : 18  
 WELL NAME : Cocos  
 LATITUDE : 18°00'44"  
 DIAMETER : 16-12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 140 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°15'35"  
 DEPTH : 125 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									23.67	24.14	22.70	23.21
1960	25.01	40.50	28.05	40.35	39.90	20.75	22.90	21.78	14.67	15.90	20.73	18.11
1961	20.62	16.96	22.68	20.41	20.94	20.87	39.84	23.42	22.21	21.33	20.71	20.80
1962	21.25	21.70	23.92	21.87	22.97	22.08	40.60	40.42	42.50	23.25	15.70	22.50
1963	23.00	23.75	39.50	40.03	29.31	24.80	42.75	41.08	22.98	34.29	20.20	39.33
1964	34.30	41.43		39.79		60.13	56.69	56.89	57.94	69.30	50.30	65.30
1965	54.62	54.49	57.26	57.72	62.69	62.78	40.52	40.23	40.23	39.94	40.89	40.78
1966	39.62	40.33	39.99	39.89	40.31	49.89	50.23	50.11	39.40	34.35	25.21	37.30
1967	43.16	50.90	52.27	52.80	62.24	64.12	72.55	73.53	78.50	76.30	77.40	78.20
1968	76.80	53.51	79.00	79.07	79.05	79.17	78.30	78.85	79.08			35.27
1969	35.90	65.50		46.26	33.80	32.58		32.48	29.00			20.70
1970		26.15	31.02	36.00	41.03		26.80	22.62	18.28			15.96
1971	18.45		22.14	23.48			22.36	23.40	29.11	29.54	31.48	29.77
1972	34.72	40.80		42.41	35.06		35.51	36.21				
1973	36.61		37.34		36.03	36.76	37.64	53.64		75.34	29.89	
1974	34.69	36.37		48.19	38.73	40.05	40.60		38.30	34.73		
1975	35.32		23.19	27.73		31.07		33.95		31.36	24.86	26.88
1976	24.92	27.82	27.72	27.64			33.85	35.17	35.73	32.27	26.82	27.15
1977	31.00	34.98		36.67	38.40		38.35	39.81	39.51	40.29		39.81
1978		26.67	26.84	25.24		30.70	32.92	33.50	33.16	31.83	15.49	17.09
1979	18.32	20.65	24.49	26.07	27.32	21.74	17.42	17.80		15.64	17.30	17.74
1980			23.44	24.87	27.19	26.00	32.49	32.14	33.21	29.41	28.32	29.96
1981	31.65	32.48	33.93	34.26	34.11	20.87	20.85	21.03	26.39	24.64	21.40	24.65
1982	23.15	25.82	26.74	28.96	27.53	22.28	26.78	25.96	27.32	22.06	22.15	20.80
1983	24.09	28.10	29.42	30.49	23.11	20.47	19.76	20.30	22.29	24.61	25.75	24.07
1984	28.40	32.37	31.52	32.45	33.90	35.24	35.88	36.58	27.14	25.04	18.66	17.15
1985	17.59	19.06	19.47									

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

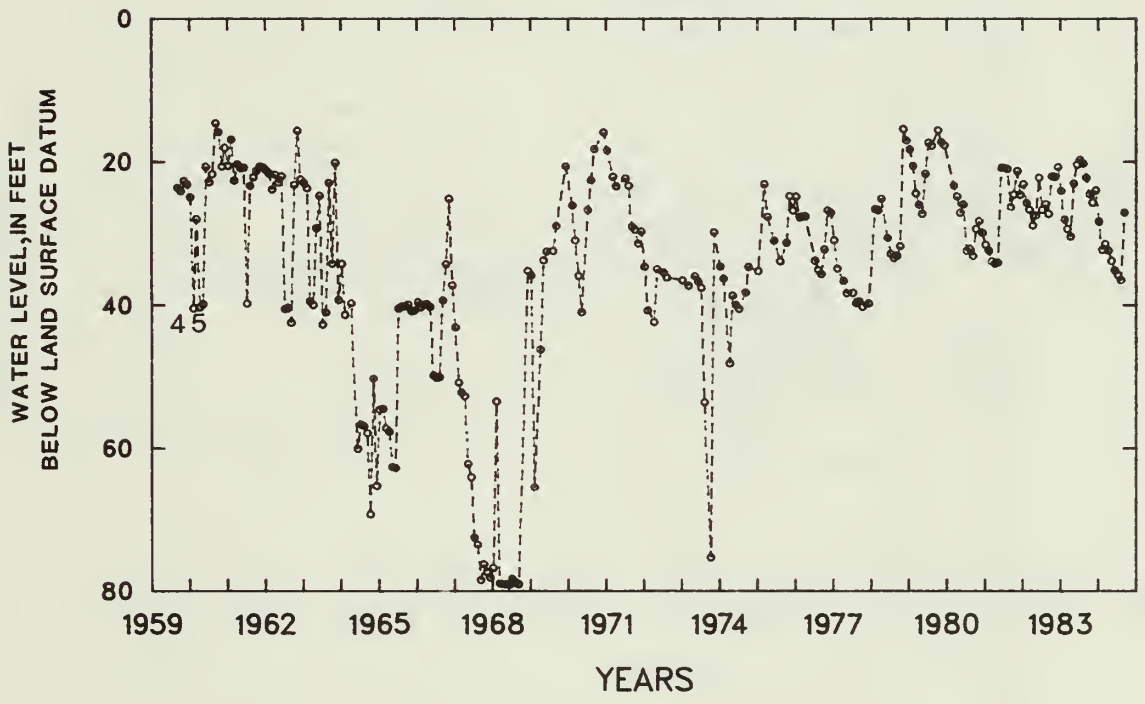


Figure 14.--Ground-water levels at Cocos, local number 18.

LOCAL NUMBER : 19  
 WELL NAME : Theater no. 1  
 LATITUDE : 18°00'23"  
 DIAMETER : 11-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 132 feet  
 OWNER : U.S. Army  
 LONGITUDE : 66°17'54"  
 DEPTH : 150 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1958 :												55.12
1959 :			56.40					57.28	54.91	56.89	56.66	57.14
1960 :	57.44	57.62	58.13	58.25	58.37	58.52	58.35	57.97		56.01	56.01	58.36
1961 :	54.81	55.44	60.17	61.88	56.55	56.77	58.24	58.83	56.60	58.83	58.67	57.70
1962 :	58.62	59.90	56.24	56.40	56.57	56.79		52.75	56.70	57.10	55.00	55.13
1963 :	55.58	55.85	56.40	56.30	56.15	56.20	56.36	56.19	Obstruction in the well			
1964 :	from September 1963 to July 1964.							58.32	58.17	57.59	58.14	57.50
1965 :	58.05	58.12	59.85	60.31	61.29	61.34	63.73	63.08	57.28	57.14	58.89	58.77
1966 :	58.07	61.99	62.11	63.23	63.40	59.80	59.99	58.50	58.88		58.00	57.35
1967 :	63.68	58.23	58.43	58.69	58.97	59.89	59.79	59.08	59.32	59.22	59.36	59.54
1968 :		60.50	59.60	59.42	59.62	59.02	58.31	58.10	57.65	56.89		56.88
1969 :	56.27	55.72		58.37	57.80	58.34		57.30	53.14			52.14
1970 :		52.52	52.90	56.09	54.05		54.76	52.30	52.09			44.70
1971 :	46.76		50.79	52.99	52.07		51.37	52.48	56.39	56.13	52.77	52.59
1972 :	53.78	54.00		53.79	54.05		56.75	58.45		54.33		
1973 :	60.55		72.25	55.95	78.20	57.10		78.77		79.15		
1974 :	55.84	56.51		57.20	86+	86+	86+		86+		86+	
1975 :	53.30		55.71	58.11		68.22		72.22		67.09	62.86	63.35
1976 :	60.75	62.51	52.91	66.45		55.45	54.56	54.80	52.26	50.94	49.68	51.45
1977 :	52.48	56.01		55.80	61.54		61.57	54.90	58.63	56.72		52.79
1978 :		57.23	58.65	53.44		59.50	57.79	60.97	54.07	54.33	47.32	46.52
1979 :	48.52	49.90	50.72	51.26	51.69	51.05	49.02	48.40		39.38	39.89	40.54
1980 :			48.70	49.44	50.48	51.39	51.57	51.95	50.78	51.08	51.66	52.44
1981 :	54.78	53.94	53.80	53.44	57.34	51.88	55.09	54.07	56.25	56.30	50.60	56.01
1982 :	56.02	57.85	57.54	56.79	56.33	53.56	51.85	52.40	53.30	53.54	54.53	54.78
1983 :	62.33	56.30	56.50	57.41	53.23	54.70	53.89	55.50	46.83	50.24	50.20	47.62
1984 :	45.16	46.73	47.72	47.70	55.57	51.52	52.83	53.90	52.11	49.02	46.85	41.35

Remarks: Depth 150 feet reported, 86 feet measured, Well discontinued,  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

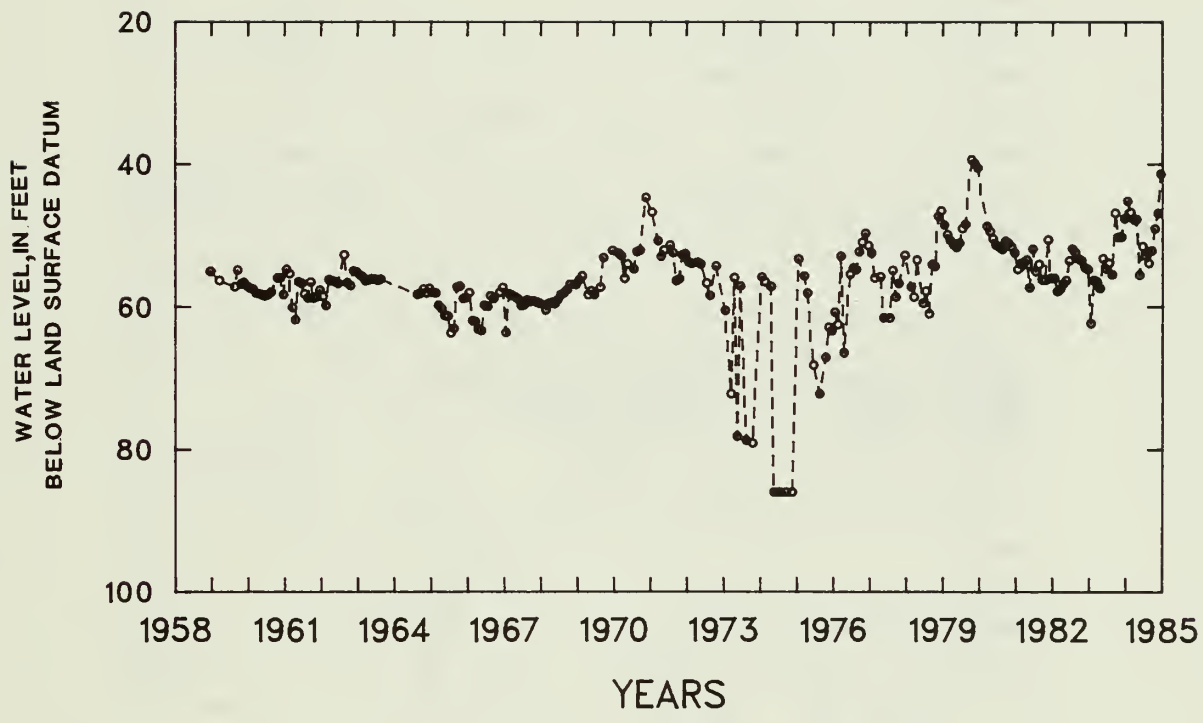


Figure 15.--Ground-water levels at Theater Number 1, local number 19.

LOCAL NUMBER : 20                      ELEVATION ABOVE MEAN SEA LEVEL: 22 feet  
 WELL NAME : Ft. Allen no. 2            OWNER : U. S. Army  
 LATITUDE : 18°00'32"                    LONGITUDE : 66°30'17"  
 DIAMETER : 12 inches                    DEPTH : 150 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958												6.7 <sup>b</sup>
1959									7.27			
1960				5.99				3.74			2.99	
1961			4.09	1.40						15.35 <sup>a</sup>		
1962			7.13	5.32						5.32 <sup>b</sup>		
1963			7.96 <sup>a</sup>	9.51 <sup>b</sup>						17.96 <sup>a</sup>		
1964			21.33 <sup>a</sup>	9.50						19.09 <sup>a</sup>		
1965			13.98 <sup>a</sup>				20.93 <sup>a</sup>				8.48	
1966			12.08 <sup>a</sup>					12.83 <sup>a</sup>		14.86	14.00	7.14
1967	7.14		22.10 <sup>a</sup>	24.89 <sup>a</sup>					30.61 <sup>a</sup>	15.01	18.55	30.06 <sup>a</sup>
1968	19.90	19.31										

LOCAL NUMBER : 88                      ELEVATION ABOVE MEAN SEA LEVEL: 15 feet  
 WELL NAME : Hacienda Potala            OWNER : Luce and Company  
 LATITUDE : 18°00'52"                    LONGITUDE : 66°30'50"  
 DIAMETER : 19 inches                    DEPTH : 143 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968					36.50	37.74	37.89	37.24	35.48	31.22		14.34
1969	18.02		16.19	23.38	12.30		13.27	11.16	19.17			12.29
1970		20.58	16.98	22.94	14.33		10.69	11.38	9.70	4.50		13.12
1971	10.50				10.87		13.19	9.88				13.67
1972	14.90	17.17		16.55	16.28			27.57			21.14	
1973	20.17											
1974												
1975												
1976				28.76 <sup>a</sup>	30.33 <sup>a</sup>	31.08 <sup>a</sup>				36.09	30.95	29.19
1977	29.56	31.33		34.12	36.70	35.48	35.12	31.19	28.52	27.88		
1978	20.45	19.52	18.95	19.56	21.36	23.88	23.56	24.26	24.98	25.52	18.95	18.01
1979	17.88	18.29	20.86	31.77	25.13	22.88	19.22	15.87		12.78	14.82	14.66
1980	15.62	15.78			14.24	13.52	11.10	7.56	18.52			
1981												
1982	19.36	14.37 <sup>n</sup>		24.48	17.95	21.71	25.11	17.37	16.89	16.51	28.24 <sup>n</sup>	17.55
1983	27.00 <sup>n</sup>	28.37 <sup>n</sup>	20.62	28.14 <sup>n</sup>	17.30	14.17	14.28	21.25 <sup>n</sup>	22.72 <sup>n</sup>	17.00	15.60	13.35 <sup>n</sup>
1984	21.23 <sup>n</sup>	15.44 <sup>n</sup>	16.68 <sup>n</sup>	17.06	18.49	27.18 <sup>n</sup>	21.20	28.80	21.43	18.91	22.02 <sup>n</sup>	14.17 <sup>n</sup>
1985	24.17	23.55	18.52									

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 21  
 WELL NAME : Alhambra  
 LATITUDE : 18°00'57"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 53 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°36'11"  
 DEPTH : 300 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958											63.36 <sup>a</sup>	
1959			70.3 <sup>a</sup>	73.4 <sup>a</sup>		24.84	48.19 <sup>b</sup>	29.28	61.05 <sup>a</sup>	25.17	65.78 <sup>a</sup>	28.66
1960	75.70 <sup>a</sup>	74.60 <sup>a</sup>	29.17	29.69	25.10	24.67	23.67	24.65	20.35	18.35	20.53	17.43
1961	19.92	21.53	23.56	25.27	32.46	27.86	29.73	31.97	25.58	20.95	17.72	18.41
1962	20.22	22.78	25.77	30.23	35.89	28.84	26.96	76.70 <sup>a</sup>	28.16	26.80	21.02	23.14
1963	26.57	28.58	74.15	75.49	29.72	29.77	29.14		53.45	21.33	23.65	26.41
1964	30.46	27.47	27.58		34.69	37.44		36.72	83.70 <sup>a</sup>	31.30	30.60	
1965	35.78	40.21	91.60 <sup>a</sup>	87.80 <sup>a</sup>	44.65	79.60 <sup>a</sup>	82.50 <sup>a</sup>	81.60 <sup>a</sup>	81.00 <sup>a</sup>	71.40 <sup>a</sup>	70.30 <sup>a</sup>	34.60
1966	58.18	32.96	34.53	77.02 <sup>a</sup>		76.73 <sup>a</sup>	77.19 <sup>a</sup>	79.67 <sup>a</sup>	78.53 <sup>a</sup>	70.28 <sup>a</sup>	42.43	69.92 <sup>a</sup>
1967	31.50 <sup>a</sup>	41.02 <sup>a</sup>	77.07 <sup>a</sup>	83.33 <sup>a</sup>	49.64 <sup>a</sup>	84.96 <sup>a</sup>	96.62 <sup>a</sup>	97.61 <sup>a</sup>	96.54 <sup>a</sup>	89.89 <sup>a</sup>	96.03 <sup>a</sup>	85.70 <sup>a</sup>
1968	84.40 <sup>a</sup>		84.50 <sup>a</sup>		90.45 <sup>a</sup>	87.30 <sup>a</sup>	85.74 <sup>a</sup>	76.38 <sup>a</sup>	76.64 <sup>a</sup>	74.35 <sup>a</sup>		68.38 <sup>a</sup>
1969	63.45 <sup>a</sup>	71.20 <sup>a</sup>	65.90 <sup>a</sup>	70.00 <sup>a</sup>		60.20 <sup>a</sup>	59.40 <sup>a</sup>	60.80 <sup>a</sup>				53.50 <sup>a</sup>
1970		56.00 <sup>a</sup>		68.70 <sup>a</sup>			55.90 <sup>a</sup>	60.40 <sup>a</sup>	53.60 <sup>a</sup>	49.60 <sup>a</sup>		49.00 <sup>a</sup>
1971	51.00 <sup>a</sup>	53.90 <sup>a</sup>										
1972		60.70 <sup>a</sup>		58.70 <sup>a</sup>		67.30 <sup>a</sup>		71.70 <sup>a</sup>				
1973												
1974	60.40 <sup>a</sup>	35.50 <sup>a</sup>		95.89 <sup>a</sup>	82.82 <sup>a</sup>	43.63		88.06 <sup>a</sup>			31.57	22.09
1975			57.59 <sup>a</sup>	56.18 <sup>a</sup>		66.47 <sup>a</sup>		58.67 <sup>a</sup>		21.04 <sup>a</sup>	40.93 <sup>a</sup>	39.52 <sup>a</sup>
1976	41.88 <sup>a</sup>		42.82 <sup>a</sup>				55.94 <sup>a</sup>	60.29 <sup>a</sup>	56.01 <sup>a</sup>	53.80 <sup>a</sup>		55.90 <sup>a</sup>
1977	49.07 <sup>a</sup>	58.95 <sup>a</sup>		62.40 <sup>a</sup>	65.20 <sup>a</sup>	62.80 <sup>a</sup>	57.90 <sup>a</sup>	60.90 <sup>a</sup>		51.98 <sup>a</sup>	49.02 <sup>a</sup>	
1978			48.35 <sup>a</sup>	55.96 <sup>a</sup>	58.33 <sup>a</sup>	59.20 <sup>a</sup>	57.90 <sup>a</sup>	49.48 <sup>a</sup>	58.64 <sup>a</sup>	45.50 <sup>a</sup>	44.03 <sup>a</sup>	45.50 <sup>a</sup>
1979	45.21 <sup>a</sup>	49.45 <sup>a</sup>	55.50 <sup>a</sup>	56.89 <sup>a</sup>	60.92 <sup>a</sup>	52.25 <sup>a</sup>	46.27 <sup>a</sup>		46.72 <sup>a</sup>	38.28 <sup>a</sup>	41.73 <sup>a</sup>	42.14 <sup>a</sup>
1980	49.42 <sup>a</sup>				41.45 <sup>a</sup>	39.45 <sup>a</sup>	54.68 <sup>a</sup>	41.80 <sup>a</sup>	41.58 <sup>a</sup>	44.81 <sup>a</sup>	50.84 <sup>a</sup>	54.17 <sup>a</sup>
1981	56.03 <sup>a</sup>	55.87 <sup>a</sup>	39.58 <sup>a</sup>	41.82 <sup>a</sup>	41.48 <sup>a</sup>	39.02 <sup>a</sup>	36.46 <sup>a</sup>	36.87 <sup>a</sup>	38.24 <sup>a</sup>	27.80 <sup>a</sup>	24.90 <sup>a</sup>	25.05 <sup>a</sup>
1982	24.15 <sup>a</sup>	69.65 <sup>a</sup>	61.78 <sup>a</sup>	68.34 <sup>a</sup>	69.44 <sup>a</sup>	66.26 <sup>a</sup>	70.68 <sup>a</sup>	72.84 <sup>a</sup>	71.91 <sup>a</sup>	72.74 <sup>a</sup>	72.34 <sup>a</sup>	74.00 <sup>a</sup>
1983	80.57 <sup>a</sup>	74.92 <sup>a</sup>	77.40 <sup>a</sup>	77.60 <sup>a</sup>	65.36 <sup>a</sup>	71.27 <sup>a</sup>	31.33 <sup>a</sup>		75.20 <sup>a</sup>	80.35 <sup>a</sup>	73.00 <sup>a</sup>	72.84 <sup>a</sup>
1984	72.58 <sup>a</sup>	72.80 <sup>a</sup>	77.32 <sup>a</sup>	75.82 <sup>a</sup>	80.30 <sup>a</sup>	80.00 <sup>a</sup>	81.70 <sup>a</sup>	83.39 <sup>a</sup>	82.94 <sup>a</sup>	81.79 <sup>a</sup>	76.57 <sup>a</sup>	79.50 <sup>a</sup>
1985	85.29 <sup>a</sup>	87.70 <sup>a</sup>	84.74 <sup>a</sup>									

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 22  
 WELL NAME : Canas  
 LATITUDE : 18°00'48"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 51 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°38'13"  
 DEPTH : 300 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958								15.27 <sup>b</sup>			12.11 <sup>a</sup>	
1959			26.13	29.40 <sup>a</sup>		18.53	21.68	25.19	20.90	20.23	18.05	20.35
1960	24.98	27.13	27.76	29.36	25.17	20.70	17.24	15.81	13.59	11.62	10.11	6.41
1961	11.20	14.38	16.69	19.00	20.00	19.95	23.02	25.60	21.78	15.12	9.75	8.87
1962	11.08	13.81	17.66	21.70	23.90	25.69	24.20	25.87	25.60	24.60	17.40	16.78
1963	18.23	22.10	26.68	27.63	28.69	27.92	27.46	28.45	19.44	19.61 <sup>a</sup>	13.43	15.13
1964	20.89	23.50	27.09	29.96	32.15				77.50 <sup>a</sup>	63.00 <sup>a</sup>	46.36	
1965	75.70 <sup>a</sup>	83.90 <sup>a</sup>	88.10 <sup>a</sup>	82.10 <sup>a</sup>		62.10	53.68	56.32	56.75	56.82	56.70	51.15
1966	35.15	33.04	36.24	52.97	53.69	66.68	67.15	62.22	66.84	64.84	57.73	59.30
1967	47.22											

REMARKS: Well discontinued.

LOCAL NUMBER : 78  
 WELL NAME : Hacienda Reparado  
 LATITUDE : 18°00'16"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 36 FEET  
 OWNER : Luis A. Ferre  
 LONGITUDE : 66°38'11"  
 DEPTH : 100 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964										36.4	34.0	40.9
1965	45.2	49.4	50.8	50.7	50.2	44.3	42.0	42.2	42.0	42.0	41.0	36.6
1966	33.6	32.9	37.2	40.2	42.0	45.5	47.4	49.4	48.2	49.1	36.5	34.0
1967	34.8	41.4	43.3	45.4	47.2	49.2	52.7	55.2	55.4	46.9	43.1	
1968						40.29	37.41	39.30	32.20	38.65		25.86
1969	26.81		29.20	31.75	29.08							

LOCAL NUMBER : 23  
 WELL NAME : Morel Campos  
 LATITUDE : 18°00'57"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 54 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°38'06"  
 DEPTH : 337 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959			54.05	51.49		44.00	53.28	53.24	45.28	45.80	44.19	46.68
1960	50.32	45.78	46.24	48.18	42.74	40.22	37.25	39.70	33.31	30.63	30.06	23.96
1961	26.10	30.49	33.79	39.34	40.70	41.41	47.38	53.85	47.27	38.43	28.52	28.17
1962	32.05	39.58	41.81	45.78	51.10	46.96	47.60	54.42	50.27	48.10	35.40	37.07
1963	43.79	46.26	50.59	51.56	49.62	48.13	50.37	55.37	38.89	33.55	31.43	31.90
1964	43.57	42.16	47.62	49.83	53.29	60.22		62.68	80.56	61.74	52.89	
1965	78.70 <sup>a</sup>	86.30 <sup>a</sup>	92.10 <sup>a</sup>	82.0 <sup>a</sup>		65.74	60.33	61.96	61.75	62.67	62.60	57.35
1966	51.35	51.00	50.99	57.49	60.47	68.88 <sup>a</sup>	69.23	69.42	72.12	69.92	62.04	60.00
1967	65.87	58.23	62.29	63.93	66.45	70.75	76.02	80.31	81.42	72.87	64.35	55.20
1968	55.31	59.88	61.81	59.78	60.86	61.16	56.98					

REMARKS: Station discontinued 08/1968. Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



LOCAL NUMBER : 301                      ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 WELL NAME : Jobos 8                      OWNER : P.R.Department of Public Works-U.S.G.S.  
 LATITUDE : 17°56'43"                      LONGITUDE : 66°08'38"  
 DIAMETER : 3 inches                      DEPTH : 52 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						2.70	2.85					
1967		2.55										
1968		4.03						5.14				
1969		4.62										

LOCAL NUMBER : 89                      ELEVATION ABOVE MEAN SEA LEVEL: 6 feet  
 WELL NAME : Phillips Obs.Well 3                      OWNER : Phillips P.R. Core, Inc.  
 LATITUDE : 17°56'40"                      LONGITUDE : 66°08'51"  
 DIAMETER : 4 inches                      DEPTH : 114 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968										1.30	1.50	1.80
1969	1.90	2.30	2.10	2.40	2.40	1.30	1.00	0.80	0.60	0.50		3.07 <sup>j</sup>
1970	0.70	0.80	0.90	0.97 <sup>j</sup>	1.30	1.30	0.90	1.00	0.60	0.00	-0.40	-0.20
1971	0.00	0.20	0.30	0.60	0.50	0.30	0.50	0.40	0.10	0.10	0.00	0.30
1972	0.20	0.60	0.60	0.70	0.80	0.80	0.80	0.90	0.50	0.17	0.03	
1973	0.00	0.27		0.70	1.15	1.20	1.45	1.20	1.10	0.68	0.62	0.94
1974	1.04	1.35	1.57	1.74	1.85	2.07	2.42	2.50	1.20	1.08	0.35	0.29
1975	0.23	0.25	0.25	0.71	0.66	0.72	1.04	1.12	0.88	0.11	0.03	0.13
1976	0.32	0.20	0.17	0.39	0.47	0.47	0.43	0.36	0.33	-0.13	0.02	0.39
1977	0.53	0.61	0.77	1.43	1.69	2.07	2.09	1.94	1.12	0.53	0.04	-0.01 <sup>e</sup>
1978	0.33 <sup>e</sup>	0.28 <sup>e</sup>	1.10 <sup>e</sup>	1.54	1.89	1.94	1.76	1.84	1.77	1.36	0.48	0.77
1979	1.17	1.28	1.52	1.83	1.80 <sup>e</sup>	1.83	1.46	0.93	0.08	0.10	0.52	0.97
1980	1.37	1.59	1.32	1.58	1.70	1.89	1.75	1.84	1.87	1.89	1.80	2.20
1981	2.18	1.95	2.33	3.02	3.43	4.32	2.97	2.35	2.26	1.74	1.33	1.50
1982	0.96	1.60	1.66	1.94	1.30	0.25	1.34	1.21	1.54	1.13	1.40	1.28
1983	1.59	1.70	1.92	2.13	1.92	1.42	1.16	1.32	1.00	0.98	0.50	0.82
1984	0.79	0.95	1.34	1.22	1.45	1.13	0.41	1.60	0.64	0.19	0.23	0.28

REMARKS: Well discontinued; Changed to a partial site since October 1, 1981.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 302  
 WELL NAME : Jobos 3  
 LATITUDE : 17°56'45"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 3 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°09'23"  
 DEPTH : 110 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1966						-0.35	-0.50					
1967		0.95										
1968		-1.62						-3.56				
1969												
1970		0.85										
1971		0.30										
1972		-1.67										

LOCAL NUMBER : 1  
 WELL NAME : Mar Negro  
 LATITUDE : 17°56'58"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 3 feet  
 OWNER : P.R. Aqueduct and Sewer Authority.  
 LONGITUDE : 66°15'53"  
 DEPTH : 23 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1959									0.38	-0.75	0.05	-0.75
1960	0.26	-0.21	-0.51	0.45	0.55	0.71	0.39	0.44	-0.56	-0.50	-0.64	-0.75
1961	-0.43	-0.69	-0.60	-0.27	-0.75	-0.75	-0.75	-0.30	-0.41	-0.75	-0.75	-0.75
1962	-0.75	-0.62	-0.57	-0.75	-0.51	-0.10	-0.27	-0.02	-0.75	-0.24	-0.49	-0.55
1963	-0.73	-0.38	-0.45	-0.75	-0.19	-0.05	-0.10	0.28	-0.75	-0.71	-0.52	-0.29
1964	-0.75	-0.18	0.09	-0.04	0.82	0.65	0.93	1.07	1.25	-0.65	0.02	0.66
1965	1.15	1.06	2.00	2.10	1.88	1.94	1.79	1.44	1.75	1.84	1.52	1.73
1966	0.97	1.02	0.69	0.78	0.96	0.42	0.35	0.27	1.03	1.24	-0.75	-0.21
1967	0.95	0.67	0.91	1.23	1.01	2.89	1.84	1.62	1.81	1.67	1.87	1.64
1968	1.17	2.15	2.77	2.52	2.95	3.15	2.69	2.66	1.22	1.57	1.34	1.89
1969	2.10	2.26		1.03	0.70	0.61		0.67	1.45			0.13
1970		0.67	1.17	0.33	1.34		0.55	0.14	-0.36			-1.83
1971	-1.30	-0.96	-1.64	-0.97	-1.20		0.51	0.80	0.02		-1.67	-1.53
1972	-0.71	-0.04		0.75	0.43		1.56	0.84		1.64	1.17	
1973	1.07		1.17	0.89	1.36	1.34	1.57	0.85		1.42	0.37	
1974	0.98	-0.44		1.64	1.69	1.88	3.11		0.47	0.30	-0.59	1.69
1975	1.70		1.00	1.19		1.70		1.11		0.60	1.68	1.30
1976	1.23	1.74	2.13	2.41			2.00	1.73	1.67	0.71	1.44	2.47
1977	2.13	1.66		2.36	1.79		3.60	1.92	1.67	0.78		0.78
1978	1.07	1.84	2.54	1.25		2.35	1.83	2.53	1.68	1.68	-0.15	1.15
1979	1.13	0.90	1.46	1.12	1.02	1.03	0.37	0.71		-0.95	-1.47	-0.40
1980			-0.04		0.24	0.02	0.43	0.75	1.31	0.89	1.45	1.40
1981	1.90	1.43	2.29	2.38	1.77	0.40	1.91	1.20	1.97	1.90	0.55	1.40
1982	0.63	0.53	1.84	1.35	1.19	0.91	0.69	0.23	0.38	0.19	0.51	0.33
1983	0.69	0.80	0.39	0.71	0.00	0.30	-0.22	0.14	-0.03	-0.20	-0.11	-0.12
1984	-0.31	-0.36	0.30	0.69	1.05	0.03	-0.05	0.31	-0.78	-2.12	-0.65	-0.97

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

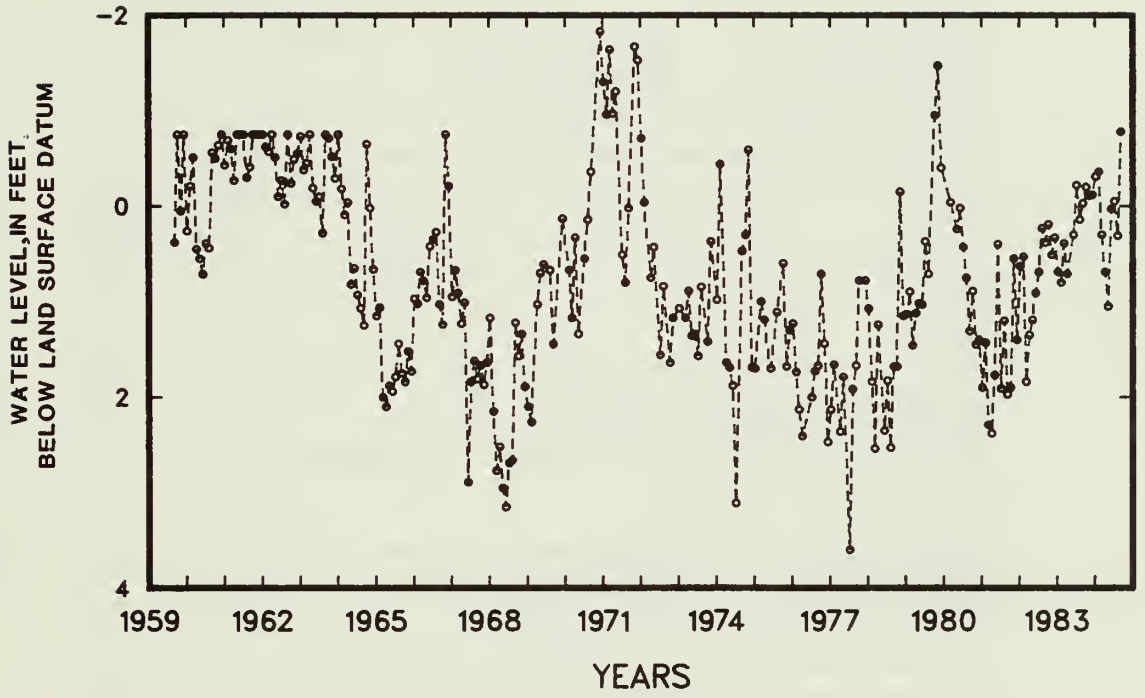


Figure 16.--Ground-water levels at Mar Negro, local number 1.

LOCAL NUMBER : 303                      ELEVATION ABOVE MEAN SEA LEVEL: 62 feet  
 WELL NAME : Jobos 4                      OWNER : Luce and Co. , USGS  
 LATITUDE : 17°57'30"                      LONGITUDE : 66°07'D7"  
 DIAMETER : 3 inches                      DEPTH : 25 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NDV	DEC
1966						14.95	14.60					
1967		14.40										

LOCAL NUMBER : 80                      ELEVATION ABOVE MEAN SEA LEVEL: 60 feet  
 WELL NAME : Melania                      OWNER : Central Aguirre  
 LATITUDE : 17°57'55"                      LONGITUDE : 66°08'48"  
 DIAMETER : 16.0 inches                      DEPTH : 103 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NDV	DEC
1961											10.80	11.39
1962	12.75											
1963												20.39
1964			25.04									
1965			25.95	26.50	26.70	26.55	22.20	22.10	19.80	19.00		12.30
1966	17.15	18.00	18.00		18.50 <sup>h</sup>							

REMARK: Depth 119 feet reported, 103 feet measured. Well discontinued May, 1966.

LOCAL NUMBER : 304                      ELEVATION ABOVE MEAN SEA LEVEL: 28 feet  
 WELL NAME : Jobos 14                      OWNER : Luce and Co. , USGS  
 LATITUDE : 17°57'08"                      LONGITUDE : 66°08'57"  
 DIAMETER : 3 inches                      DEPTH : 49 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NDV	DEC
1966							21.20					
1967		11.92										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 2  
 WELL NAME : Puente Jobos  
 LATITUDE : 17°57'35"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 26 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°09'59"  
 DEPTH : 148 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961		55.80 <sup>a</sup>	58.22 <sup>a</sup>	57.06 <sup>a</sup>	55.30 <sup>a</sup>	56.06 <sup>a</sup>	57.44 <sup>a</sup>	57.51 <sup>a</sup>	57.62 <sup>a</sup>	46.19 <sup>a</sup>	44.30 <sup>a</sup>	57.30 <sup>a</sup>
1962	56.30 <sup>a</sup>	49.84 <sup>a</sup>	55.33 <sup>a</sup>	4.55 <sup>a</sup>	54.79 <sup>a</sup>	55.50 <sup>a</sup>	56.30 <sup>a</sup>	55.30 <sup>a</sup>	56.30 <sup>a</sup>	58.30 <sup>a</sup>	55.07 <sup>a</sup>	54.77 <sup>a</sup>
1963	56.58 <sup>a</sup>	57.01 <sup>a</sup>	57.55 <sup>a</sup>	57.83 <sup>a</sup>	56.75 <sup>a</sup>	57.30 <sup>a</sup>	57.23 <sup>a</sup>	60.25 <sup>a</sup>	56.61 <sup>a</sup>	57.08 <sup>a</sup>	56.78 <sup>a</sup>	56.92 <sup>a</sup>
1964	55.18 <sup>a</sup>	58.69 <sup>a</sup>	58.65 <sup>a</sup>		57.60 <sup>a</sup>	59.68 <sup>a</sup>	59.69 <sup>a</sup>	61.78 <sup>a</sup>	54.40 <sup>a</sup>	61.36 <sup>a</sup>	60.20 <sup>a</sup>	59.95 <sup>a</sup>
1965	59.16 <sup>a</sup>	59.04 <sup>a</sup>	58.22 <sup>a</sup>	16.08 <sup>a</sup>	14.56 <sup>a</sup>	14.93 <sup>a</sup>	14.72 <sup>a</sup>	13.07 <sup>a</sup>	55.05 <sup>a</sup>	54.77 <sup>a</sup>	11.85 <sup>a</sup>	12.18 <sup>a</sup>
1966	54.62 <sup>a</sup>	49.52 <sup>a</sup>	51.37 <sup>a</sup>	51.34 <sup>a</sup>	51.83 <sup>a</sup>	13.52 <sup>a</sup>	14.22 <sup>a</sup>	13.99 <sup>a</sup>	13.32 <sup>a</sup>	11.76 <sup>a</sup>	10.21 <sup>a</sup>	9.97 <sup>a</sup>
1967	10.57 <sup>a</sup>	11.35 <sup>a</sup>	11.88 <sup>a</sup>	12.68 <sup>a</sup>	12.94 <sup>a</sup>	14.76 <sup>a</sup>	15.24 <sup>a</sup>	16.48 <sup>a</sup>	60.35 <sup>a</sup>	59.20 <sup>a</sup>	55.90 <sup>a</sup>	59.39 <sup>a</sup>
1968	56.43 <sup>a</sup>	60.55 <sup>a</sup>	58.55 <sup>a</sup>	58.39 <sup>a</sup>	57.77 <sup>a</sup>	59.90 <sup>a</sup>	57.95 <sup>a</sup>	58.78 <sup>a</sup>	59.28 <sup>a</sup>	58.20 <sup>a</sup>	57.80 <sup>a</sup>	57.86 <sup>a</sup>
1969	59.60 <sup>a</sup>	60.12 <sup>a</sup>		59.38 <sup>a</sup>	56.67 <sup>a</sup>	55.84 <sup>a</sup>		57.45 <sup>a</sup>	57.28 <sup>a</sup>			57.40 <sup>a</sup>
1970	56.76 <sup>a</sup>		59.92 <sup>a</sup>	60.67 <sup>a</sup>	11.95 <sup>a</sup>	11.14 <sup>a</sup>		10.25 <sup>a</sup>	8.91 <sup>a</sup>	7.74 <sup>a</sup>	5.53 <sup>a</sup>	5.90 <sup>a</sup>
1971	5.90 <sup>a</sup>	5.99 <sup>a</sup>	6.21 <sup>a</sup>	5.72 <sup>a</sup>	3.53 <sup>a</sup>	5.51 <sup>a</sup>		5.02 <sup>a</sup>	4.53 <sup>a</sup>	4.56 <sup>a</sup>		5.35 <sup>a</sup>
1972	5.35 <sup>a</sup>	6.17 <sup>a</sup>		6.41 <sup>a</sup>	8.00 <sup>a</sup>		3.32 <sup>a</sup>	9.09 <sup>a</sup>				
1973					9.50 <sup>a</sup>	9.25 <sup>a</sup>	10.23 <sup>a</sup>	8.85 <sup>a</sup>		6.70 <sup>a</sup>	6.95 <sup>a</sup>	
1974	7.34 <sup>a</sup>	7.52 <sup>a</sup>		8.72 <sup>a</sup>	9.92 <sup>a</sup>	10.12 <sup>a</sup>	11.84 <sup>a</sup>		10.30 <sup>a</sup>	5.56 <sup>a</sup>		5.15 <sup>a</sup>
1975	5.10 <sup>a</sup>	5.57 <sup>a</sup>	4.94 <sup>a</sup>	5.59 <sup>a</sup>		6.17 <sup>a</sup>		5.94 <sup>a</sup>		5.15 <sup>a</sup>	5.94 <sup>a</sup>	5.05 <sup>a</sup>
1976	6.32 <sup>a</sup>	6.82 <sup>a</sup>	6.69 <sup>a</sup>			7.04 <sup>a</sup>	7.72 <sup>a</sup>	7.86 <sup>a</sup>	7.53 <sup>a</sup>	7.45 <sup>a</sup>	5.67 <sup>a</sup>	5.62 <sup>a</sup>
1977	6.15 <sup>a</sup>	6.91 <sup>a</sup>		8.37 <sup>a</sup>	8.50 <sup>a</sup>		10.15 <sup>a</sup>	9.83 <sup>a</sup>	7.93 <sup>a</sup>	4.48 <sup>a</sup>	5.86 <sup>a</sup>	6.07 <sup>a</sup>
1978	6.32 <sup>a</sup>	6.45 <sup>a</sup>	6.98 <sup>a</sup>	6.86 <sup>a</sup>		6.93 <sup>a</sup>	6.73 <sup>a</sup>	7.94 <sup>a</sup>	6.89 <sup>a</sup>	5.01 <sup>a</sup>	3.88 <sup>a</sup>	5.00 <sup>a</sup>
1979	3.20 <sup>a</sup>	5.74 <sup>a</sup>	5.30 <sup>a</sup>	5.95 <sup>a</sup>	5.48 <sup>a</sup>	4.60 <sup>a</sup>	2.85 <sup>a</sup>	4.37 <sup>a</sup>		3.15 <sup>a</sup>	3.08 <sup>a</sup>	4.18 <sup>a</sup>
1980		4.04 <sup>a</sup>	4.34 <sup>a</sup>	4.37 <sup>a</sup>	4.74 <sup>a</sup>	3.45 <sup>a</sup>	4.76 <sup>a</sup>	5.29 <sup>a</sup>	6.07 <sup>a</sup>	5.20 <sup>a</sup>	5.52 <sup>a</sup>	5.34 <sup>a</sup>
1981	5.96 <sup>a</sup>		6.57 <sup>a</sup>	6.64 <sup>a</sup>	6.21 <sup>a</sup>	4.96 <sup>a</sup>	6.15 <sup>a</sup>	5.85 <sup>a</sup>	5.96 <sup>a</sup>	5.32 <sup>a</sup>	5.25 <sup>a</sup>	5.68 <sup>a</sup>
1982	5.62 <sup>a</sup>	5.58 <sup>a</sup>	6.00 <sup>a</sup>	5.66 <sup>a</sup>	4.46 <sup>a</sup>	4.87 <sup>a</sup>	5.75 <sup>a</sup>	5.36 <sup>a</sup>	5.42 <sup>a</sup>	6.01 <sup>a</sup>	5.51 <sup>a</sup>	5.51 <sup>a</sup>
1983	5.96 <sup>a</sup>	6.42 <sup>a</sup>	6.17 <sup>a</sup>	6.60 <sup>a</sup>	6.12 <sup>a</sup>		7.07 <sup>a</sup>	7.04 <sup>a</sup>	6.99 <sup>a</sup>	7.25 <sup>a</sup>	6.94 <sup>a</sup>	7.20 <sup>a</sup>
1984	7.04 <sup>a</sup>	6.49 <sup>a</sup>	6.75 <sup>a</sup>	6.91 <sup>a</sup>	7.20 <sup>a</sup>	5.87 <sup>a</sup>	6.51 <sup>a</sup>	7.15 <sup>a</sup>	6.10 <sup>a</sup>	4.83 <sup>a</sup>	5.56 <sup>a</sup>	5.77 <sup>a</sup>
1985	5.63 <sup>a</sup>	6.59 <sup>a</sup>	6.53 <sup>a</sup>									

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 3  
 WELL NAME : Puente Jobos  
 LATITUDE : 17°57'35"  
 DIAMETER : 4 inches

ELEVATION ABOVE MEAN SEA LEVEL: 25 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°10'04"  
 DEPTH : 16 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959											2.99	2.07
1960	1.82	3.19	2.05	3.82	3.01	2.10	2.56	1.02	0.43	0.92	1.43	0.91
1961	1.52	1.44	1.15	1.85	1.15	2.30	1.13	1.81	1.53	0.72	0.78	0.45
1962	0.94	1.39	1.79	0.46	1.37	1.01	1.33	0.64	0.96	1.06	1.38	1.84
1963	0.01	2.45	2.78	2.86	3.54	3.03	3.23	4.18	2.59	2.87	2.96	2.10
1964	3.32	4.14	4.65	4.70	3.80	6.02	6.79	7.66	7.17	5.86	5.97	5.91
1965	8.13	8.07	10.32	11.10	10.27	10.47	10.36	9.09	8.84	8.78	7.19	7.43
1966	6.72	6.97	7.01	6.97	7.14	9.80	9.95	9.71	8.57	9.50	5.30	5.39
1967	5.75	5.96	6.65	8.14	8.46	9.76	10.96	12.11	12.79	14.11	14.85	15.23
1968	14.32	16+	16+	16+	16+	16+	16+	16+	16+	16+	16+	16+
1969	16+	16+		16+	11.66	9.69		8.15	6.74			4.76
1970	5.63		6.69	7.82	8.09		6.64	5.70	4.34	2.71		1.75
1971	1.93	1.90	2.25	2.39	1.81	0.33		2.06	1.72	1.44	1.46	1.56
1972	1.99	2.54		2.74	4.03		9.59	4.84				
1973			3.94	4.40	4.97	5.75		5.32		2.70	3.30	
1974	3.96	4.10		4.92	5.07	5.23	8.12		5.90	0.91	1.03	0.33
1975	2.02	3.02	1.79	2.48		3.31		2.54		2.44	1.86	1.14
1976	1.27	3.00	3.04	2.88	2.94	3.11	3.90	4.03	3.30	3.60	1.89	1.90
1977	2.27	3.09		3.56	4.53		6.43	5.44	3.48	0.93	1.28	1.44
1978	2.59	2.50	3.19	2.93		2.70	2.64	2.78	2.98	1.10	0.57	1.50
1979	1.38	2.06	1.61	1.73	0.80	1.28	0.74	1.56	0.20	0.10	0.97	0.81
1980		0.81	1.31	1.38	1.73	0.35	1.66	2.00	2.73	1.79	2.07	1.85
1981	2.09	2.45	2.94	3.31	3.04	1.80	2.74	2.62	2.85	2.28	2.09	2.50
1982	2.38	2.04	2.55	2.70	0.15	0.96	1.78	1.77	1.62	1.46	1.84	1.90
1983	2.30	2.94	2.45	3.10	2.42	2.35	2.50	2.40	1.60	2.90	2.58	2.85
1984	2.59	1.81	2.21	2.55	2.94	0.83	2.08	2.86	1.62	1.60	1.21	1.28

REMARKS: 16+ means well dry. Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 3D6                      ELEVATION ABOVE MEAN SEA LEVEL: 11 feet  
 WELL NAME : Jobos 1                      OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'21"                      LONGITUDE : 66°10'59"  
 DIAMETER : 3 inches                      DEPTH : 62 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						0.45	1.10					
1967		1.40										
1968		1.92						2.19				
1969		2.85										
1970		1.35										
1971		1.00										

LOCAL NUMBER : 3D5                      ELEVATION ABOVE MEAN SEA LEVEL: 13 feet  
 WELL NAME : Jobos 2                      OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'23"                      LONGITUDE : 66°10'08"  
 DIAMETER : 3 inches                      DEPTH : 99 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						6.50	5.10					
1967		4.18										
1968		7.67						11.10				
1969		10.98										
1970		5.23										
1971		4.18										
1972		3.42										

LOCAL NUMBER : 307                      ELEVATION ABOVE MEAN SEA LEVEL: 27 feet  
 WELL NAME : Jobos 7                      OWNER : Geraldo Benito USGS  
 LATITUDE : 17°57'49"                      LONGITUDE : 66°11'10"  
 DIAMETER : 3 inches                      DEPTH : 172 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						17.30	22.90					
1967		18.40										
1968		15.90						19.17				
1969		18.21										
1970		9.95										
1971		-0.05										
1972		1.10										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



LOCAL NUMBER : 308                      ELEVATION ABOVE MEAN SEA LEVEL: 16 feet  
 WELL NAME : Jobos 5                    OWNER : Geraldo Benito, USGS  
 LATITUDE : 17°57'58"                  LONGITUDE : 66°11'35"  
 DIAMETER : 3 inches                    DEPTH : 144 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						7.00	10.20					
1967 :		6.46										
1968 :												
1969 :		6.27										
1970 :		3.80										
1971 :		Flowing										

Remark: Flowing when visited February 25, 1971.

LOCAL NUMBER : 310                      ELEVATION ABOVE MEAN SEA LEVEL: 13 feet  
 WELL NAME : Jobos 19                    OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'29"                  LONGITUDE : 66°14'50"  
 DIAMETER : 3 inches                    DEPTH : 70 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							5.45					
1967 :		4.70										
1968 :		8.90						9.2B				
1969 :		6.87										
1970 :		2.37										
1971 :		0.11										
1972 :		1.05										

LOCAL NUMBER : 309                      ELEVATION ABOVE MEAN SEA LEVEL: 7 feet  
 WELL NAME : Jobos 10                    OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'19"                  LONGITUDE : 66°14'48B"  
 DIAMETER : 3 inches                    DEPTH : 185 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						5.40	6.20					
1967 :		5.13										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 313  
 WELL NAME : Jobos 13.  
 LATITUDE : 17°57'29"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 14 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°15'45"  
 DEPTH : 122 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							4.50					
1967		4.71										
1968		9.45										

REMARKS: Well found destroyed, February 1969.

LOCAL NUMBER : 312  
 WELL NAME : Jobos 12  
 LATITUDE : 17°57'51"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 22 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°15'23"  
 DEPTH : 108 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						19.50	19.80					
1967		14.10										
1968		20.90						23.34				
1969		7.99										
1970		3.55										
1971		1.77										
1972		3.65										

LOCAL NUMBER : 311  
 WELL NAME : Jobos 11  
 LATITUDE : 17°57'22"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°15'20"  
 DEPTH : 108 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						4.90	5.15					
1967		3.59										

LOCAL NUMBER : 315  
 WELL NAME : Jobos 17  
 LATITUDE : 17°57'39"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 11 feet  
 OWNER : Luce U Co., U.S.G.S.  
 LONGITUDE : 66°16'27"  
 DEPTH : 152 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							B.20					
1967		8.15										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 316                      ELEVATION ABOVE MEAN SEA LEVEL: 1 foot  
 WELL NAME : Jobos 18                    OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'09"                    LONGITUDE : 66°16'31"  
 DIAMETER : 3 inches                      DEPTH : 147 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							0.00	0.40				
1967												
1968		1.50						3.00				
1969		2.53										
1970		-0.23										
1971		-1.80										

REMARKS: Well flowing during 02/17/1971. Maximum head above LSD is 1.8 feet.

LOCAL NUMBER : 314                      ELEVATION ABOVE MEAN SEA LEVEL: 4 feet  
 WELL NAME : Jobos 16                    OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'15"                    LONGITUDE : 66°16'13"  
 DIAMETER : 3 inches                      DEPTH : 105 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966								6.50	Well destroyed.			

REMARKS: Well destroyed, August, 1966.

LOCAL NUMBER : 145                      ELEVATION ABOVE MEAN SEA LEVEL: 16.11 feet  
 WELL NAME : Jauca North No. 1            OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 17°57'50"                    LONGITUDE : 66°22'58"  
 DIAMETER : 8 inches                      DEPTH : 250 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1980									11.10	10.92	11.42	11.84
1981			12.43		12.17	10.60	10.80	10.76	10.72	9.92	9.50	9.90
1982	9.50	10.22	10.84	10.83	10.37	10.04	10.07	10.69	10.72	10.69	11.15	11.22
1983	13.23	12.03	11.94	12.29	11.14	10.78	10.63	10.71	10.70	10.68	10.47	10.18
1984	10.66	9.98	11.36	11.50	11.53	11.39	11.43	12.04	10.62	10.48	10.05	9.09
1985	9.72	9.68	9.92									

REMARKS: Well discontinued.

LOCAL NUMBER : 317                      ELEVATION ABOVE MEAN SEA LEVEL: 2 feet  
 WELL NAME : Jobos No. 21                OWNER : Luce and Co., USGS  
 LATITUDE : 17°57'57"                    LONGITUDE : 66°17'45"  
 DIAMETER : 3 inches                      DEPTH : 90 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							-0.92					
1967		0.00										
1968								3.17				
1969		0.96										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 144  
 WELL NAME : Jauca South No 1  
 LATITUDE : 17°57'50"  
 DIAMETER : 8 inches  
 ELEVATION ABOVE MEAN SEA LEVEL: 15.98 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°22'58"  
 DEPTH : 50 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1980									10.47	10.47	10.70	10.92
1981		11.32	11.40		11.72	11.50	11.20	10.72	10.47			9.90
1982	9.48	10.10	10.72	10.35	9.86	9.56	9.63	10.25	10.40	10.30	10.78	10.78
1983	10.02	11.90	11.80	11.88	10.57	10.60	10.53	10.59	10.20	10.58	10.37	10.02
1984	10.03	10.75	11.15	10.93	11.00	10.79	10.90	11.87	10.40	9.76	9.14	8.86
1985	9.54	9.58	9.68									

REMARKS: Well discontinued.

LOCAL NUMBER : 146  
 WELL NAME : Hac. Alomar West #3  
 LATITUDE : 17°57'34"  
 DIAMETER : 8 inches  
 ELEVATION ABOVE MEAN SEA LEVEL: 18.74 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°23'33"  
 DEPTH : 70 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981						8.98	11.53	12.49	11.35			10.17
1982	9.09	10.65	11.59	10.69	9.93	10.27	10.06	10.84	10.37	9.49	10.18	9.92
1983	10.30	9.78	10.64	12.17	11.06	8.96	9.55	10.38	11.00	11.13	9.23	9.07
1984	9.27	10.00	10.29	10.50	10.69	9.74	10.30	11.56	9.04	7.43	8.78	8.95
1985	9.22	9.29	8.37									

REMARKS: Well discontinued.

LOCAL NUMBER : 147  
 WELL NAME : Hac. Alomar East #3  
 LATITUDE : 17°57'34"  
 DIAMETER : 8 inches  
 ELEVATION ABOVE MEAN SEA LEVEL: 18.80 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°23'3301"  
 DEPTH : 250 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981						14.69	14.66	14.38	14.35			13.95
1982	13.66	13.93	14.62	14.26	13.79	13.62	13.55	14.30	13.93	13.74	14.07	14.22
1983	14.55	14.69	14.54	14.88	14.21	13.89	13.78	13.99	13.92	13.86	13.69	13.50
1984	13.37	14.00	14.31	14.22	14.40	14.26	14.30	15.05	13.66	12.48	12.88	12.94
1985	13.33	13.49	13.30									

REMARKS: Well discontinued.

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 148                      ELEVATION ABOVE MEAN SEA LEVEL: 21.20 feet  
 WELL NAME : P1. Sta. Isabel E#2      OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 17°57'56"                  LONGITUDE : 66°24'40"  
 DIAMETER : 8-2 inches                  DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981	29.45	22.08	22.98		21.02	15.10	15.69	15.14	15.33			12.82
1982	13.09	13.91	15.16	15.60	15.22	13.34	14.36	15.04	16.26	15.91	17.54	17.69
1983	17.69	18.12	18.60	17.43	15.90	14.50	14.30	14.22	13.96	14.13	15.29	14.20
1984	14.66	15.20	16.20	16.19	16.20	17.60	16.85	17.42	18.61	16.55	15.91	14.00
1985	14.45	14.79	14.81									

REMARKS: Well discontinued, April, 1985.

LOCAL NUMBER : 149                      ELEVATION ABOVE MEAN SEA LEVEL: 21.20 feet  
 WELL NAME : P1. Sta. Isabel W#2      OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 17°57'56"                  LONGITUDE : 66°24'40.01"  
 DIAMETER : 8-2 inches                  DEPTH : 250 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981	26.92	21.84	21.57		18.60	14.58	15.73	14.25	14.28			12.07
1982	13.20	12.83	13.93	14.82	12.90	12.49	14.44	14.48	14.03	15.70	15.70	17.48
1983	16.20	18.60	17.08	16.47	13.89	13.28	12.81	12.92	12.50	13.44	13.09	13.07
1984	13.09	13.50	14.54	14.64	15.62	15.85	15.00	16.34	17.81	14.23	12.46	11.20
1985	13.12	12.34	13.02									

REMARKS: Well discontinued, April, 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 6  
 WELL NAME : Juana 5  
 LATITUDE : 17°58'58"  
 DIAMETER : 16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 127 feet  
 OWNER : Dr. Bruno  
 LONGITUDE : 66°10'02"  
 DEPTH : 173 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960											29.76	
1961							45.99	46.08	43.07	42.60	34.81	35.46
1962	39.42	42.25	45.05	45.88	46.67	48.09	49.18	49.15	47.16	46.61	43.68	45.44
1963	46.09	50.73		52.41	51.51	50.53	50.43	51.80	51.36	50.51	52.31	52.73
1964	54.00	54.79	56.21	56.36	55.67	57.40	57.49	57.72	58.13	57.47	54.30	55.58
1965		59.19	61.13	60.77	61.46	60.13	56.75	56.85	56.10	53.16	53.68	55.18
1966	55.83	57.37	56.86		57.65	56.55	54.75	54.35	52.10	51.95	50.55	49.45
1967	50.85	52.70	55.10	58.90	58.95	61.40	62.30	62.65	62.90	63.75	63.80	63.75
1968	64.45	63.90	64.55	65.05	65.90	65.50	64.15	62.85	62.90	60.88	60.98	61.93
1969	62.40	61.65	62.35	62.22	63.05	62.95	63.15	59.25	53.30			49.30
1970	49.10	49.90	51.35	52.60	54.60	56.15	57.20	58.50	58.40	53.60	25.65	
1971		35.25	38.90	39.55	44.15	44.60	43.85	44.35	45.61	47.28	48.69	50.22
1972	52.65	54.26	54.97	56.94	58.72	59.39	59.19	55.98	50.65	52.50	49.60	
1973	47.78	48.52					56.25	57.58	56.52	54.29	54.03	
1974	49.34	52.05	54.57	55.15	56.90	59.57	60.46	60.90	57.89	54.90	49.43	37.65
1975	35.95	36.68	42.05	44.76	46.73			51.18	51.52	50.37	49.92	49.43
1976	47.91	48.32	49.64	50.65	51.33	52.06	52.25	52.68	52.79	51.40	50.60 <sup>e</sup>	51.18
1977	52.02	52.99	55.74	56.96	52.69	53.62	54.78	56.05	57.60	55.84	52.36	47.11
1978	45.55	46.17	49.77	50.20	52.60	48.58	49.55	50.89	51.33	53.44	41.07	40.79
1979	41.80	40.66 <sup>e</sup>	42.45	43.95	46.52	48.72	46.17	45.56	39.63	27.22	27.15	27.70
1980	33.70 <sup>e</sup>	38.30 <sup>e</sup>	42.14	44.34	47.10	48.81	47.25	48.07	48.53	49.03	46.88	51.26
1981	50.57	50.29	52.74	54.74	54.27	52.66	52.05	54.96	55.76	54.97	55.44	53.50
1982	52.86	53.18	53.53	50.68	46.77	46.41	47.89	49.76	51.14	52.62	53.91	54.57
1983	55.18	55.45	54.56	54.20	56.41	58.11	58.36	57.19	55.53	55.25	48.26	45.19
1984	46.35	50.01	52.49	52.28	50.71	52.25	54.30	54.55	55.08	54.90	53.22	43.99
1985	43.77	46.42	48.67	50.19	50.83	48.55	48.79	50.52	52.02			

REMARKS: Depth 173 feet reported, 110 feet measured.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 318  
 WELL NAME : Jobs No. 6  
 LATITUDE : 17°58'11"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 11 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°12'08"  
 DEPTH : 62 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						7.95	7.50					

LOCAL NUMBER : 7  
 WELL NAME : Coquí  
 LATITUDE : 17°58'27"  
 DIAMETER : 6 inches

ELEVATION ABOVE MEAN SEA LEVEL: 25 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°13'45"  
 DEPTH : 80 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960												6.72 <sup>a</sup>
1961	7.47 <sup>a</sup>	7.36 <sup>a</sup>	9.57 <sup>a</sup>	9.31 <sup>a</sup>	12.25 <sup>a</sup>	5.33 <sup>a</sup>	4.13 <sup>a</sup>	3.74 <sup>a</sup>			3.90 <sup>a</sup>	14.20 <sup>a</sup>
1962	15.02 <sup>a</sup>	12.85 <sup>a</sup>	15.60 <sup>a</sup>	4.14 <sup>a</sup>	14.27 <sup>a</sup>	4.74 <sup>b</sup>	11.78 <sup>a</sup>	12.40 <sup>a</sup>	11.29 <sup>a</sup>	11.41 <sup>a</sup>	11.27 <sup>a</sup>	11.00 <sup>a</sup>
1963	9.54 <sup>a</sup>	11.34 <sup>a</sup>	12.10 <sup>a</sup>	10.67 <sup>a</sup>	11.54 <sup>a</sup>	12.90 <sup>a</sup>	11.75 <sup>a</sup>	11.74 <sup>a</sup>	10.63 <sup>a</sup>	8.78 <sup>a</sup>	11.30 <sup>a</sup>	10.94 <sup>a</sup>
1964	12.07 <sup>a</sup>	14.53 <sup>a</sup>	14.60 <sup>a</sup>	13.86 <sup>a</sup>	14.65 <sup>a</sup>	13.49 <sup>a</sup>	14.60 <sup>a</sup>	15.50 <sup>a</sup>	13.87 <sup>a</sup>	3.78 <sup>a</sup>	4.01 <sup>a</sup>	4.45 <sup>a</sup>
1965	6.24 <sup>a</sup>	6.13 <sup>a</sup>	9.98 <sup>a</sup>	11.00 <sup>a</sup>	22.60 <sup>a</sup>	21.04 <sup>a</sup>	20.69 <sup>a</sup>	14.64 <sup>a</sup>	6.80 <sup>a</sup>	6.67 <sup>a</sup>	16.57 <sup>a</sup>	16.77 <sup>a</sup>
1966	15.18 <sup>a</sup>	15.63 <sup>a</sup>	16.93 <sup>a</sup>	18.67 <sup>a</sup>	18.87 <sup>a</sup>	19.17 <sup>a</sup>		18.99 <sup>a</sup>	14.05 <sup>a</sup>	12.51 <sup>a</sup>	11.80 <sup>a</sup>	11.76 <sup>a</sup>
1967	15.15 <sup>a</sup>	15.26 <sup>a</sup>	16.93 <sup>a</sup>	17.87 <sup>a</sup>	15.60 <sup>a</sup>	17.67 <sup>a</sup>	17.72 <sup>a</sup>	20.22 <sup>a</sup>	20.31 <sup>a</sup>	20.81 <sup>a</sup>	20.35 <sup>a</sup>	25.00 <sup>a</sup>
1968	22.66 <sup>a</sup>	26.40 <sup>a</sup>	26.20 <sup>a</sup>	27.86 <sup>a</sup>	27.39 <sup>a</sup>	23.93 <sup>a</sup>	24.40 <sup>a</sup>	23.69 <sup>a</sup>	21.03 <sup>a</sup>	20.95 <sup>a</sup>	21.32 <sup>a</sup>	22.20 <sup>a</sup>
1969	19.33 <sup>a</sup>	26.35 <sup>a</sup>		25.65 <sup>a</sup>	20.34 <sup>a</sup>	22.39 <sup>a</sup>		20.59 <sup>a</sup>	19.32 <sup>a</sup>			16.51 <sup>a</sup>
1970		10.36 <sup>a</sup>	11.00 <sup>a</sup>	13.44 <sup>a</sup>	15.56 <sup>a</sup>		8.30 <sup>a</sup>	8.02 <sup>a</sup>	6.18 <sup>a</sup>			2.84 <sup>a</sup>
1971	6.05 <sup>a</sup>	9.97 <sup>a</sup>	17.76 <sup>a</sup>	17.45 <sup>a</sup>	13.00 <sup>a</sup>		17.05 <sup>a</sup>	16.65 <sup>a</sup>	15.36 <sup>a</sup>	13.17 <sup>a</sup>		13.18 <sup>a</sup>
1972	17.32 <sup>a</sup>	18.05 <sup>a</sup>		21.37 <sup>a</sup>	24.73 <sup>a</sup>		26.30 <sup>a</sup>	21.02 <sup>a</sup>				

REMARKS: Well discontinued, September 1972.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



LOCAL NUMBER : 124  
 WELL NAME : Coqui No. 2  
 LATITUDE : 17°58'22"  
 DIAMETER : 16-12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 26 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°13'48"  
 DEPTH : 118 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1975				38.76		38.10		38.42		34.91	39.83	19.20
1976	44.16	39.55	38.88	38.35		38.14	38.22		23.09	16.44	30.50	33.30
1977	38.87	44.15		49.20	53.70		54.70	24.32	21.55	19.82		21.30
1978	39.08	40.30	39.10	39.75		40.10	39.03	38.24	40.01	24.45	16.68	38.27
1979	36.62	38.65	38.30	38.48	21.45	27.72	13.54	28.00		11.85	9.25	11.82
1980			38.47	38.93	37.91	18.00	29.90	23.14	33.96	13.24	39.00	22.42
1981	27.99	38.31	38.54	34.06	41.55	19.01	25.10	23.01	30.13	29.14	27.46	24.99
1982		19.88	39.18	39.22	36.30	35.24	19.81	22.50	20.55	31.92	31.88	20.65
1983	18.16	19.63	36.43	42.75	44.73	29.29	17.68	15.61	14.49	13.99	13.22	12.80
1984	14.02	32.37	33.47	38.70	45.63	37.54	39.34	20.05	13.35	11.41	10.31	10.04
1985	21.60	39.57	37.01									

REMARKS: Well discontinued, April, 1985.

LOCAL NUMBER : 319  
 WELL NAME : Jobos No. 15  
 LATITUDE : 17°58'09"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 15 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°16'49"  
 DEPTH : 115 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							9.80					
1967		7.23										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 8  
 WELL NAME : Salinas No. 1  
 LATITUDE : 17°58'51"  
 DIAMETER : 16-13 inches

ELEVATION ABOVE MEAN SEA LEVEL: 29 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°17'46"  
 DEPTH : 125 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									21.45 <sup>a</sup>	19.19 <sup>a</sup>	20.22 <sup>a</sup>	19.76 <sup>a</sup>
1960	21.15 <sup>a</sup>	19.70 <sup>a</sup>	20.95 <sup>a</sup>	21.91 <sup>a</sup>	20.66 <sup>a</sup>	21.19 <sup>a</sup>	20.25 <sup>a</sup>	20.87 <sup>a</sup>	12.93 <sup>a</sup>	15.03 <sup>a</sup>	14.83 <sup>a</sup>	11.95 <sup>a</sup>
1961	13.74 <sup>a</sup>	13.41 <sup>a</sup>	14.84 <sup>a</sup>	16.20 <sup>a</sup>	13.99 <sup>a</sup>	16.46 <sup>a</sup>	16.29 <sup>a</sup>	18.26 <sup>a</sup>	16.09 <sup>a</sup>	14.76 <sup>a</sup>	12.29 <sup>a</sup>	13.01 <sup>a</sup>
1962	12.47 <sup>a</sup>	14.12 <sup>a</sup>	14.98 <sup>a</sup>	14.98 <sup>a</sup>	16.60 <sup>a</sup>	16.10 <sup>a</sup>	16.10 <sup>a</sup>	19.22 <sup>a</sup>	16.46 <sup>a</sup>	18.50 <sup>a</sup>	15.97 <sup>a</sup>	15.90 <sup>a</sup>
1963	15.13 <sup>a</sup>	16.85 <sup>a</sup>	17.71 <sup>a</sup>	17.48 <sup>a</sup>	18.75 <sup>a</sup>	17.63 <sup>a</sup>	19.76 <sup>a</sup>	20.98 <sup>a</sup>	17.39 <sup>a</sup>	20.62 <sup>a</sup>	20.37 <sup>a</sup>	19.21 <sup>a</sup>
1964	19.70 <sup>a</sup>	21.36 <sup>a</sup>	18.91 <sup>a</sup>	19.85 <sup>a</sup>	24.00 <sup>a</sup>	28.06 <sup>a</sup>	23.15 <sup>a</sup>	24.14 <sup>a</sup>	25.68 <sup>a</sup>	23.41 <sup>a</sup>	20.89 <sup>a</sup>	26.10 <sup>a</sup>
1965	26.48 <sup>a</sup>	26.56 <sup>a</sup>	28.21 <sup>a</sup>	28.58 <sup>a</sup>	28.69 <sup>a</sup>	29.66 <sup>a</sup>	29.51 <sup>a</sup>	28.09 <sup>a</sup>	27.08 <sup>a</sup>	27.53 <sup>a</sup>	26.23 <sup>a</sup>	
1966	25.11 <sup>a</sup>	25.12 <sup>a</sup>	26.19 <sup>a</sup>	25.96 <sup>a</sup>	27.31 <sup>a</sup>	25.31 <sup>a</sup>	26.91 <sup>a</sup>	26.83 <sup>a</sup>	27.04 <sup>a</sup>	22.08 <sup>a</sup>		
1967		24.78 <sup>a</sup>	22.41 <sup>a</sup>	23.48 <sup>a</sup>	23.63 <sup>a</sup>	25.44 <sup>a</sup>	36.46 <sup>a</sup>	28.02 <sup>a</sup>	30.12 <sup>a</sup>	30.90 <sup>a</sup>	30.96 <sup>a</sup>	31.93 <sup>a</sup>
1968	32.72 <sup>a</sup>	30.50 <sup>a</sup>	31.55 <sup>a</sup>	31.91 <sup>a</sup>	33.27 <sup>a</sup>	31.60 <sup>a</sup>	32.45 <sup>a</sup>	32.23 <sup>a</sup>	32.43 <sup>a</sup>	31.25 <sup>a</sup>	31.23 <sup>a</sup>	31.17 <sup>a</sup>
1969	31.77 <sup>a</sup>	29.60 <sup>a</sup>		31.89 <sup>a</sup>	30.17 <sup>a</sup>	27.20 <sup>a</sup>		28.12 <sup>a</sup>	27.87 <sup>a</sup>			21.18 <sup>a</sup>
1970		29.26 <sup>a</sup>	21.36 <sup>a</sup>	21.59 <sup>a</sup>	21.54 <sup>a</sup>		19.85 <sup>a</sup>	20.24 <sup>a</sup>	18.89 <sup>a</sup>			17.32 <sup>a</sup>
1971		19.27 <sup>a</sup>		17.20 <sup>a</sup>	14.56 <sup>a</sup>		16.22 <sup>a</sup>	17.10 <sup>a</sup>	22.10 <sup>a</sup>	21.78 <sup>a</sup>	17.41 <sup>a</sup>	21.40 <sup>a</sup>
1972	22.14 <sup>a</sup>	20.34 <sup>a</sup>		20.31 <sup>a</sup>	22.92 <sup>a</sup>		26.05 <sup>a</sup>	26.06 <sup>a</sup>			37.30 <sup>a</sup>	
1973	26.67 <sup>a</sup>		27.39 <sup>a</sup>		27.39 <sup>a</sup>	26.84 <sup>a</sup>	34.75 <sup>a</sup>	28.48 <sup>a</sup>		29.17 <sup>a</sup>	26.95 <sup>a</sup>	
1974	31.03 <sup>a</sup>	31.78 <sup>a</sup>		33.74 <sup>a</sup>	35.71 <sup>a</sup>	36.33 <sup>a</sup>	32.44 <sup>a</sup>		31.02 <sup>a</sup>	29.24 <sup>a</sup>		
1975	30.51 <sup>a</sup>		36.43 <sup>a</sup>	28.37 <sup>a</sup>		31.85 <sup>a</sup>		37.82 <sup>a</sup>		37.74 <sup>a</sup>	37.04 <sup>a</sup>	42.95 <sup>a</sup>
1976	39.80 <sup>a</sup>	25.20 <sup>a</sup>	27.63 <sup>a</sup>				33.30 <sup>a</sup>		29.68 <sup>a</sup>	28.99 <sup>a</sup>	28.98 <sup>a</sup>	29.82 <sup>a</sup>
1977	37.10 <sup>a</sup>	42.15 <sup>a</sup>		36.52 <sup>a</sup>	35.13 <sup>a</sup>	35.38 <sup>a</sup>	37.82 <sup>a</sup>	35.57 <sup>a</sup>	41.09 <sup>a</sup>	47.54 <sup>a</sup>		
1978	36.72 <sup>a</sup>	36.48 <sup>a</sup>	48.13 <sup>a</sup>	51.44 <sup>a</sup>		48.50 <sup>a</sup>	48.70 <sup>a</sup>	49.38 <sup>a</sup>	48.65 <sup>a</sup>	35.77 <sup>a</sup>	26.31 <sup>a</sup>	27.77 <sup>a</sup>
1979	27.90 <sup>a</sup>	31.78 <sup>a</sup>	32.48 <sup>a</sup>	28.75 <sup>a</sup>	28.36 <sup>a</sup>	27.36 <sup>a</sup>	26.00 <sup>a</sup>	27.32 <sup>a</sup>		22.12 <sup>a</sup>	22.50 <sup>a</sup>	24.50 <sup>a</sup>
1980			29.50 <sup>a</sup>	29.24 <sup>a</sup>	33.44 <sup>a</sup>	25.88 <sup>a</sup>	29.51 <sup>a</sup>	35.02 <sup>a</sup>	32.34 <sup>a</sup>	35.87 <sup>a</sup>	31.14 <sup>a</sup>	32.15 <sup>a</sup>
1981	36.88 <sup>a</sup>	33.84 <sup>a</sup>	33.37 <sup>a</sup>		32.83 <sup>a</sup>	29.00 <sup>a</sup>	30.60 <sup>a</sup>	29.45 <sup>a</sup>	30.63 <sup>a</sup>	32.53 <sup>a</sup>	25.41 <sup>a</sup>	28.99 <sup>a</sup>
1982		22.72 <sup>a</sup>	29.61 <sup>a</sup>	30.80 <sup>a</sup>	27.50 <sup>a</sup>	26.20 <sup>a</sup>	31.22 <sup>a</sup>	27.16 <sup>a</sup>	29.19 <sup>a</sup>	27.92 <sup>a</sup>	31.87 <sup>a</sup>	32.68 <sup>a</sup>
1983	28.03 <sup>a</sup>	27.72 <sup>a</sup>	28.52 <sup>a</sup>	28.92 <sup>a</sup>	25.45 <sup>a</sup>	26.45 <sup>a</sup>	26.69 <sup>a</sup>	24.50 <sup>a</sup>	24.58 <sup>a</sup>	28.15 <sup>a</sup>	21.60 <sup>a</sup>	25.85 <sup>a</sup>
1984	26.26 <sup>a</sup>	36.78 <sup>a</sup>	27.10 <sup>a</sup>	27.07 <sup>a</sup>	36.55 <sup>a</sup>	22.65 <sup>a</sup>	32.73 <sup>a</sup>	27.52 <sup>a</sup>	27.28 <sup>a</sup>	23.42 <sup>a</sup>	21.42 <sup>a</sup>	21.15 <sup>a</sup>
1985	27.29 <sup>a</sup>	21.77 <sup>a</sup>	25.27 <sup>a</sup>									

REMARKS: Well discontinued, April 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

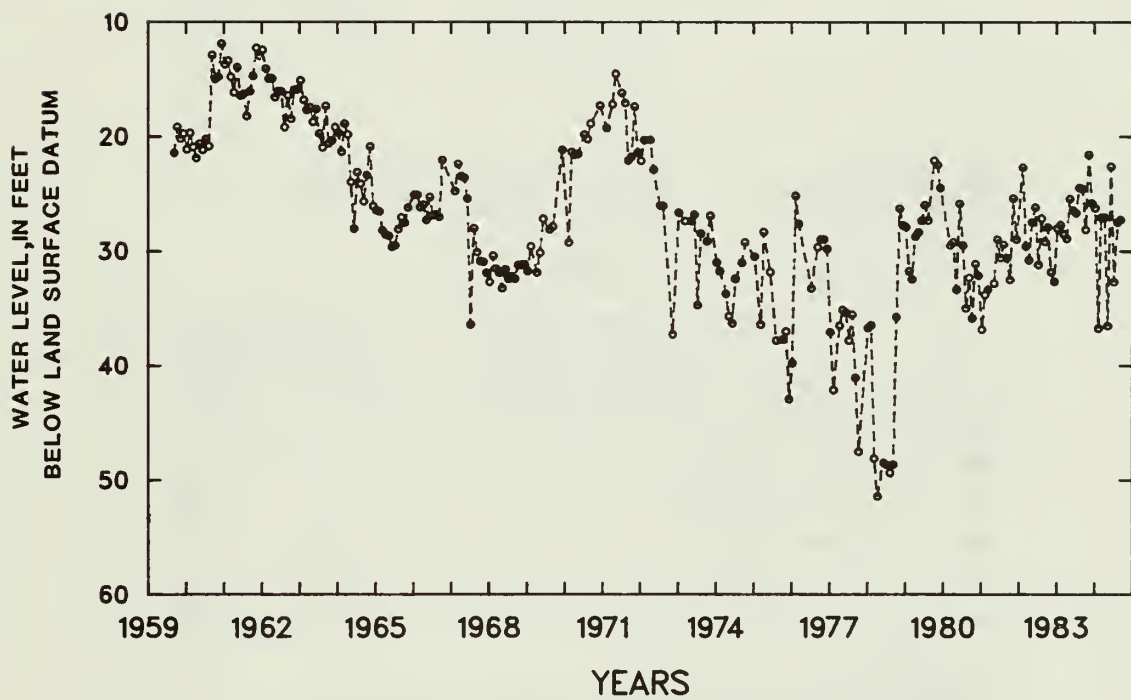


Figure 17.--Ground-water levels at Salinas, local number 8.

LOCAL NUMBER : 9  
 WELL NAME : Salinas Old Well  
 LATITUDE : 17°58'50"  
 DIAMETER : 6 inches

ELEVATION ABOVE MEAN SEA LEVEL: 28 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°17'46"  
 DEPTH : 87 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									21.13	19.17	20.22	19.97
1960	21.02	19.51	20.77	21.56	20.66	21.07	20.29	20.87	14.58	14.66	14.50	11.72
1961	13.39	13.10	14.22	15.73	15.98	17.17	16.95	18.94	16.75	15.56	14.22	12.97
1962	14.43	14.37	15.65	15.25	17.20	16.46	17.70	18.87	16.29	18.12	14.88	14.48
1963	13.93	15.68	16.40	16.40	17.48	16.71	18.40	19.28	18.08	19.33	19.12	18.94
1964	18.41	20.04	19.90	20.60	22.10	23.23	23.73	24.75	25.80	22.49	21.63	23.92
1965	25.87	25.90	27.43	27.89	28.08	29.02	28.94	26.51	26.50	26.24	25.76	
1966	24.72	25.20	24.53	24.47	24.51	23.74	23.73	23.61	26.19	21.66	19.56	20.16
1967	22.47	22.81										

Remark: Affected by nearby pumping. Well discontinued, March 1967.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 321                      ELEVATION ABOVE MEAN SEA LEVEL: 10 feet  
 WELL NAME : Jobos No. 23              OWNER : Luce and Co., USGS  
 LATITUDE : 17°58'24"                  LONGITUDE : 66°17'58"  
 DIAMETER : 3 inches                    DEPTH : 122 feet

---

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							4.95					
1967 :		4.72										

---

LOCAL NUMBER : 322                      ELEVATION ABOVE MEAN SEA LEVEL: 12 feet  
 WELL NAME : Jobos No. 24              OWNER : Luce and Co., USGS  
 LATITUDE : 17°58'23"                  LONGITUDE : 66°18'22"  
 DIAMETER : 3 inches                    DEPTH : 112 feet

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YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							11.90					
1967 :		11.31										
1968 :		12.00										
1969 :		12.67										
1970 :												
1971 :		9.60										
1972 :		Well destroyed.										

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Remark: Well destroyed 02/1972  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 320  
 WELL NAME : Jobos No. 20  
 LATITUDE : 17°58'06"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 7 feet  
 OWNER : Luce and Co., USGS  
 LONGITUDE : 66°17'23"  
 DEPTH : 120 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1966							2.30					
1967		0.93										

LOCAL NUMBER : 87  
 WELL NAME : Alomar No. 1  
 LATITUDE : 17°58'29"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 39 feet  
 OWNER : Francisco Alomar  
 LONGITUDE : 66°23'22"  
 DEPTH : 112 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1967				34.00	37.55	39.85	41.40	43.15	43.95	45.05	43.15	43.70
1968	45.15	44.40	45.30	46.90	47.50	47.20	47.47	46.89	45.97	43.78	42.60	36.15
1969	35.90	36.65	33.00	35.20	33.60	23.15	24.75	22.90	26.10	26.50		19.84
1970		19.72 <sup>j</sup>	21.54 <sup>j</sup>	24.40 <sup>j</sup>	27.11 <sup>j</sup>		22.50 <sup>j</sup>	22.40 <sup>j</sup>	21.60	12.65	14.85	10.60
1971	11.32	12.31	12.65	14.70	15.05		20.74	21.52	23.50	24.90	23.30	23.84
1972	25.40	28.61	28.80	29.06	31.01	32.79	36.25	37.80	38.70		38.80	39.70
1973	38.87	38.25	40.39	41.39	42.38	43.50	44.99	45.25	45.24	45.25	42.87	43.91
1974	44.82	44.91	42.85	44.77	46.62	47.92	49.04		43.45	42.70	35.45	32.82
1975	34.24	34.29	33.71	34.82	36.72	39.44	40.30	40.73	42.44	38.70	38.30	37.60
1976	36.10	36.20	37.02	36.25	37.98	40.02	50.24	50.83	43.28	41.70	37.65	40.30
1977	41.33	42.00	41.90	43.20	44.78	44.61	46.20	46.40	45.92	44.89	44.10	41.10
1978	41.40	41.30	41.40	40.28	40.04	40.87	41.28	43.74	45.55	44.49	36.40	37.23
1979	35.94	36.61	38.00	37.98	38.01	33.85	32.40	34.02	25.35	20.67	21.48	22.07
1980	22.80	23.40	25.20	26.45	28.03	28.12	31.02	32.61	34.48	34.80	35.88	36.99
1981	36.96	36.61	36.70	37.60	36.91	30.62	29.85	30.63	30.21	28.13	25.98	26.64
1982	25.72	24.96	26.87	28.99	30.29	26.49	27.35	28.77	29.59	31.74	33.25	33.28
1983	34.25	34.38	34.17	32.58	29.87	28.40	28.59	27.50	27.76	27.77	26.94	27.29
1984	27.73	28.57	30.30	30.58	31.63	31.59	31.55	32.90	32.66	28.39	26.28	22.99
1985	23.88	23.74	24.92	25.69	24.63	24.83	25.05	25.22	24.72			

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

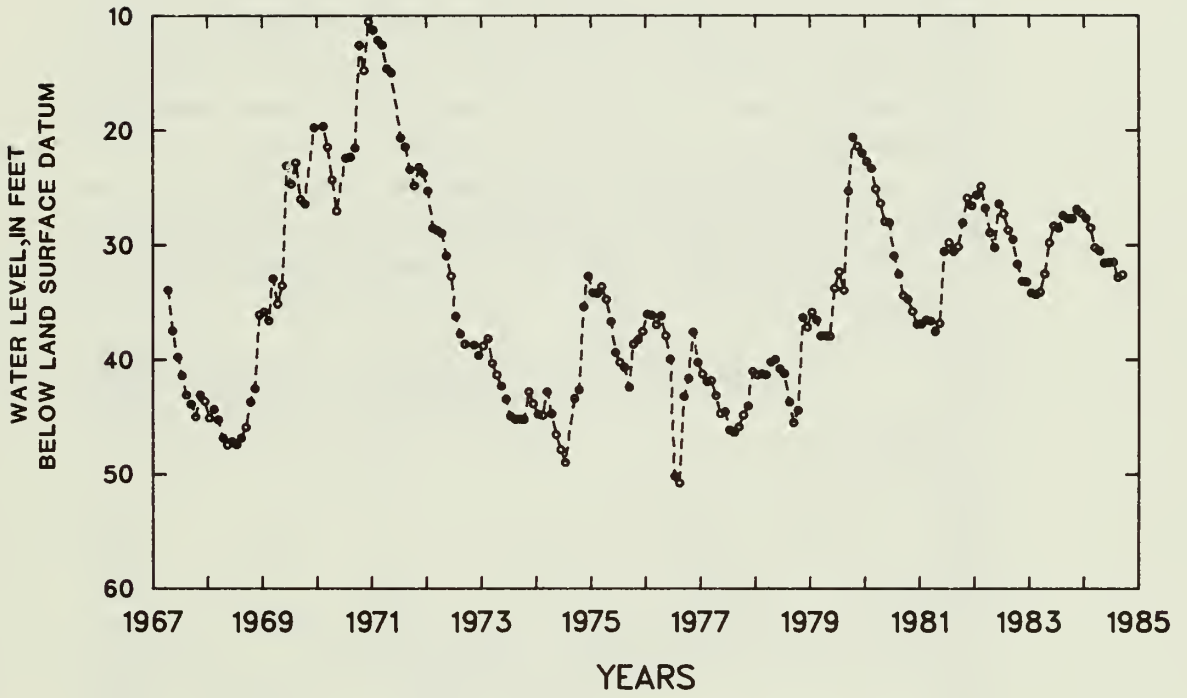


Figure 18.--Ground-water levels at Alomar Number 1, local number 87.



LOCAL NUMBER : 10  
 WELL NAME : Santa Isabel No. 1  
 LATITUDE : 17°58'23"  
 DIAMETER : 13 inches

ELEVATION ABOVE MEAN SEA LEVEL: 36 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°24'18"  
 DEPTH : 202 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1958									18.87		13.70 <sup>b</sup>	
1959			19.55	25.60		23.82 <sup>a</sup>	23.62	24.62	28.35 <sup>a</sup>	30.42 <sup>a</sup>	31.04 <sup>a</sup>	29.70 <sup>a</sup>
1960	30.30 <sup>a</sup>	26.34	29.20 <sup>a</sup>	25.68	22.8 <sup>a</sup>	23.3 <sup>a</sup>	21.10	24.95 <sup>a</sup>	15.2 <sup>a</sup>	10.93	12.88	5.92
1961	7.85	8.15	11.29	13.47 <sup>a</sup>	12.35	11.67	13.70	19.25	18.23 <sup>a</sup>	15.35	11.20	12.34 <sup>a</sup>
1962	12.95	11.73	16.39	17.21	15.18	15.49	16.35	18.58	17.48	17.97	11.90	11.99
1963	10.90 <sup>a</sup>	9.41	11.38	14.75	15.96 <sup>a</sup>	14.75	17.27	21.71	11.71	12.79	15.08	12.24
1964	18.24	16.78 <sup>a</sup>	15.67	22.08	25.90 <sup>a</sup>	23.19	27.91	29.94 <sup>a</sup>	30.75	28.41	31.33 <sup>a</sup>	32.16 <sup>a</sup>
1965		35.89 <sup>a</sup>	37.19 <sup>a</sup>	37.33	40.09 <sup>a</sup>	38.63 <sup>a</sup>	38.59	36.51	36.22 <sup>a</sup>	37.21	33.48	
1966	31.51 <sup>a</sup>	32.41 <sup>a</sup>	32.63 <sup>a</sup>	34.89 <sup>a</sup>	35.09 <sup>a</sup>	29.98	30.93	31.01	40.01 <sup>a</sup>	36.89	33.58	34.39
1967	31.46 <sup>a</sup>	31.58 <sup>a</sup>	32.53 <sup>a</sup>	35.63 <sup>a</sup>	36.26 <sup>a</sup>	40.16 <sup>a</sup>	48.80 <sup>a</sup>	44.10 <sup>a</sup>	45.02 <sup>a</sup>	45.81 <sup>a</sup>	46.36 <sup>a</sup>	45.48 <sup>a</sup>
1968	48.64 <sup>a</sup>	47.76 <sup>a</sup>	45.30 <sup>a</sup>	46.91	47.57 <sup>a</sup>	47.76 <sup>a</sup>	47.04	48.39 <sup>a</sup>	50.91 <sup>a</sup>	50.34 <sup>a</sup>	46.32 <sup>a</sup>	40.52 <sup>a</sup>
1969	39.36				32.24 <sup>a</sup>			27.97 <sup>a</sup>	27.72			17.69
1970		25.25 <sup>a</sup>	23.70	22.41	25.64		28.75 <sup>a</sup>	27.86 <sup>a</sup>	24.52	21.95		13.29
1971	14.06							18.75	22.59	25.30 <sup>a</sup>	23.95	23.37
1972	26.90	29.58		27.86								
1973												
1974		51.14 <sup>a</sup>		55.10 <sup>a</sup>		55.34 <sup>a</sup>	55.25			50.20		51.28
1975	51.59		42.95 <sup>a</sup>	44.53 <sup>a</sup>		48.24 <sup>a</sup>		47.49 <sup>a</sup>		47.41 <sup>a</sup>	40.64	41.35 <sup>a</sup>
1976	43.02		38.52 <sup>a</sup>	39.79	39.68	41.89	40.78	36.25	29.43	46.84	43.20	43.60
1977	44.99	42.15 <sup>a</sup>		36.52	35.13 <sup>a</sup>		37.82	35.57 <sup>a</sup>	41.09 <sup>a</sup>			
1978												
1979											24.00	
1980		25.02	26.15	31.80	29.90	37.16	30.02	36.20				
1981		40.98	38.25	40.17		30.50	30.25	30.10			28.64	23.18
1982	25.45	22.38	26.98	26.64	26.31	25.41	28.87	26.63				

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 11                      ELEVATION ABOVE MEAN SEA LEVEL: 36 feet  
 WELL NAME : Santa Isabel No. 2      OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 17°58'23"                LONGITUDE : 66°24'17"  
 DIAMETER : 13 inches                DEPTH : 150 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958									19.1		13.74	
1959			19.35	25.8		24.98	29.37	24.62	25.30	27.38	27.95	27.98
1960	28.92	31.00 <sup>a</sup>	27.13	28.50 <sup>a</sup>	21.78	21.71	25.5 <sup>a</sup>	22.39	13.09	16.03	15.63 <sup>a</sup>	10.14 <sup>a</sup>
1961	7.88	11.93 <sup>a</sup>	8.88	10.30	10.04	15.24 <sup>a</sup>	16.77 <sup>a</sup>	15.50	15.44	12.75	9.11	9.72
1962	10.42	15.42 <sup>a</sup>	13.27	14.31	19.75	18.15 <sup>a</sup>	21.20	21.60	15.92	15.47	9.50	9.68
1963	8.72	9.82	15.20 <sup>a</sup>	12.79 <sup>b</sup>	13.72	16.70 <sup>a</sup>	14.28	16.35	16.31	15.97 <sup>a</sup>	12.28	21.08 <sup>a</sup>
1964	12.23	14.12	14.82 <sup>a</sup>	21.88 <sup>a</sup>	20.40	25.02	25.41	26.94		30.65	27.68	28.94 <sup>a</sup>
1965		32.14 <sup>a</sup>	33.66	39.04	35.64	34.03	33.94	36.82 <sup>a</sup>	33.03	33.27	39.08	
1966	29.10	29.12	29.65	32.95	33.49	33.40	33.61 <sup>a</sup>	35.08 <sup>a</sup>	39.11	36.69	33.99	31.58

REMARKS: Well discontinued, December 1966.

LOCAL NUMBER : 324                      ELEVATION ABOVE MEAN SEA LEVEL: 3 feet  
 WELL NAME : Juana Díaz No. 1      OWNER : Sucesion Serralles, U.S.G.S.  
 LATITUDE : 17°58'43"                LONGITUDE : 66°32'39"  
 DIAMETER : 3 inches                DEPTH : 80 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							3.10					

LOCAL NUMBER : 323                      ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 WELL NAME : Juana Díaz No. 2      OWNER : Sucesion Serralles  
 LATITUDE : 17°58'59"                LONGITUDE : 66°32'36"  
 DIAMETER : 3 inches                DEPTH : 61 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							2.35					

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 15  
 WELL NAME : Pitahaya No. 1  
 LATITUDE : 17°59'44"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 130 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°03'36"  
 DEPTH : 181 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									20.69	18.38	21.52	20.37
1960	24.33	28.57	25.55	27.90	24.16	9.28	10.53	11.06	8.41	9.19	12.32	7.96
1961	12.72	19.51	23.90	24.93	19.37	24.02	9.10	18.66	9.31	8.91	9.24	11.37
1962	10.64	19.49	24.75	25.75	26.11	25.67	12.84	14.98	9.75	10.75	10.48	21.04
1963	23.70	25.93	27.79	26.95	29.94	25.31	25.26		8.85	21.29	24.75	22.05
1964							29.78	26.80	23.65	17.90	26.45	30.84
1965	33.85	34.80	33.75	35.40	35.50	34.60	18.20	10.30	20.85	22.30	23.25	
1966	25.75	29.15	30.50	31.40				24.80	23.30		22.90	26.30
1967		30.50	31.30	31.75	32.65	34.35	34.25	34.90	37.20	38.40	38.85	37.20
1968			41.10	42.30	43.90	42.94		16.80	15.50	28.55	30.90	24.70
1969	28.20	31.10	31.10	29.80	30.10	12.40	10.50	11.50	12.65	16.30	16.80	12.50
1970	20.50	21.25	24.80	26.00	27.10	27.60	11.25	14.50	10.70	12.20		9.75
1971	9.50	11.90	14.20	19.05	17.10		19.50	20.60	12.20	11.70	12.84	19.30
1972	21.50	22.95	23.65	24.60	24.79	24.44	24.53	24.78	8.12			
1973				25.90	25.97	24.79	23.49	21.09	9.53	8.98	11.90	15.40
1974	18.07	20.12	22.51	24.06	24.91	25.76	26.00	26.23	10.02	10.78	8.42	9.42
1975	11.10	12.93	16.69	18.91	20.72	24.41	25.58	28.65	25.80	8.91	10.14	10.36
1976	10.75	10.74	13.79	17.10	13.80	13.39	21.81	20.06	20.35	17.50 <sup>e</sup>	12.20 <sup>e</sup>	14.50 <sup>e</sup>
1977	21.52	23.53	23.19	27.88	28.65	27.67	29.47	29.60	13.20	10.18	9.46	8.61
1978	10.20	11.00	12.12	14.82	17.19	11.77	16.82	20.33	20.85	12.40	8.05	10.00
1979	12.45	18.11	21.35	23.71	23.88	10.43	8.52	9.12	7.69	7.62	8.25	9.15
1980	10.31	12.80	17.97	19.38	20.03	12.25	12.67	21.11	22.01	20.90	20.80	21.56
1981	17.98	19.40 <sup>e</sup>	24.34	25.31	24.29 <sup>e</sup>	11.18	8.66	10.67	12.51	17.06	18.95	19.47
1982	15.22	15.19	19.41	23.14	23.49	16.55	19.83	11.81	12.14	10.94	11.62	14.75
1983	17.67	20.96	24.60	27.38	19.48	17.82	10.14	11.08	11.86	14.09	15.21	16.52
1984	18.32	19.19	20.72	22.35	25.18	19.27	21.97	27.45	27.45	9.39	9.08	9.92
1985	10.96	12.74	12.69	16.50	19.09	11.80						

REMARKS: Well discontinued, July 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

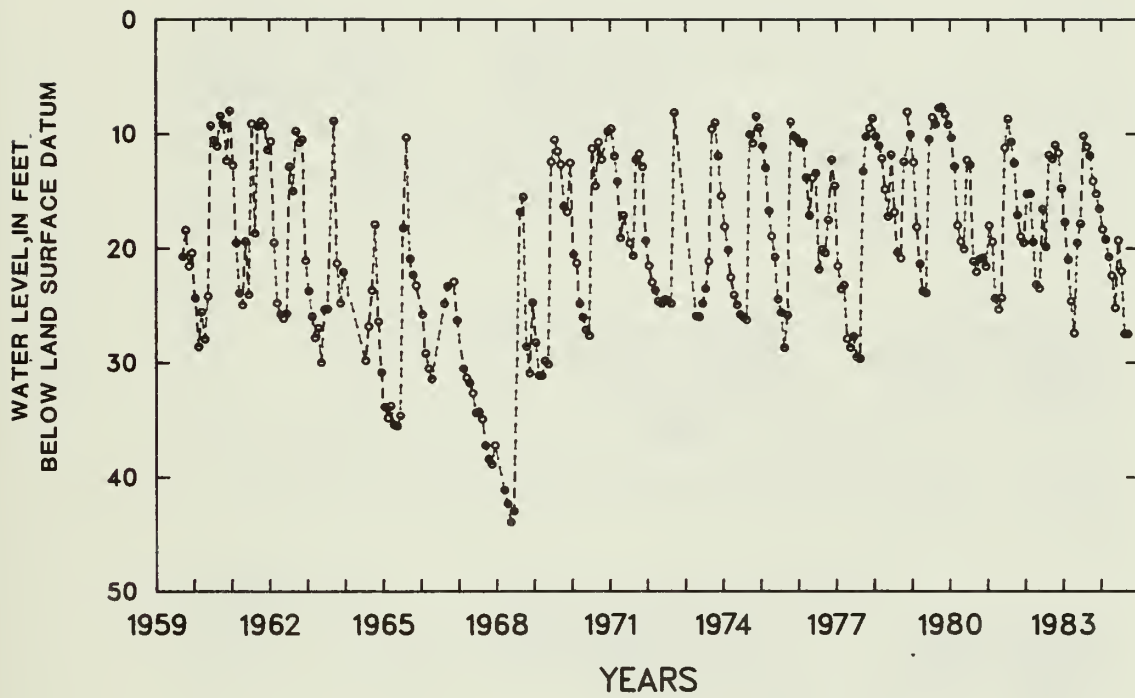


Figure 19.--Ground-water levels at Pitahaya Number 1, local number 15.

LOCAL NUMBER : 81                      ELEVATION ABOVE MEAN SEA LEVEL: 72 feet  
 WELL NAME : Sabater Test              OWNER : Ramon Gonzalez  
 LATITUDE : 17°59'09"                  LONGITUDE : 66°14'31"  
 DIAMETER : 16.0 inches                DEPTH : 91 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960										25.08		
1961							27.65	25.32	24.30	23.51	23.29	23.54
1962	24.60	24.28	24.61	24.29	28.52							
1963												
1964										36.98		39.33
1965			47.75	49.05	50.40	50.75	47.90	48.05	47.35	46.20	44.55	43.95
1966	40.70	37.55	37.75	38.80	42.15	41.30	40.00	36.55	36.30	32.70	28.60	30.75
1967	33.05	35.45	35.95							52.55	51.75	52.95
1968	54.20	55.25	55.50	56.45	58.25	58.10	58.50	58.40	56.50	55.25	53.35	53.65
1969	54.55	55.20	54.75	53.95	53.80	51.50	47.50	47.50	46.75	45.55		
1970		33.80	33.70	36.90	40.10	40.80	38.40	36.45	32.00	30.70		

LOCAL NUMBER : 333                      ELEVATION ABOVE MEAN SEA LEVEL: 17 feet  
 WELL NAME : Juana Diaz No. 5          OWNER : P.R. Land Authority, U.S.G.S.  
 LATITUDE : 17°59'35"                  LONGITUDE : 66°30'31"  
 DIAMETER : 3 inches                    DEPTH : 90 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							7.20					

LOCAL NUMBER : 332                      ELEVATION ABOVE MEAN SEA LEVEL: 15 feet  
 WELL NAME : Juana Diaz No. 6          OWNER : P.R. Land Authority, U.S.G.S.  
 LATITUDE : 17°59'41"                  LONGITUDE : 66°30'15"  
 DIAMETER : 3 inches                    DEPTH : 80 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966							5.20					
1967												
1968												
1969												
1970		4.46										
1971		2.48										
1972		3.59										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 334                      ELEVATION ABOVE MEAN SEA LEVEL: 7 feet  
 WELL NAME : Juana Díaz No. 4        OWNER : Sucesión Serralles, U.S.G.S.  
 LATITUDE : 17°59'10"                LONGITUDE : 66°31'35"  
 DIAMETER : 3 inches                 DEPTH : 70 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							3.30					
1967 :												
1968 :		4.91										

LOCAL NUMBER : 335                      ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 WELL NAME : Juana Díaz No. 3        OWNER : Sucesión Serralles, U.S.G.S.  
 LATITUDE : 17°59'02"                LONGITUDE : 66°32'02"  
 DIAMETER : 3 inches                 DEPTH : 80 feet

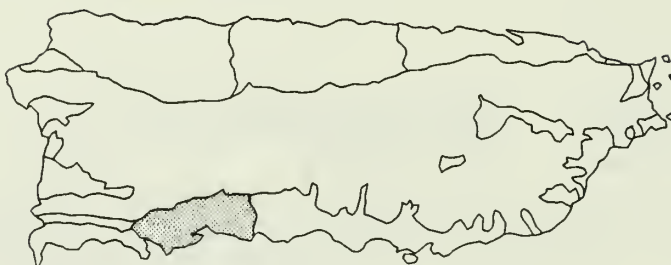
YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							2.80					
1967 :												
1968 :		4.05										
1969 :												
1970 :		3.46										
1971 :		3.50										
1972 :		2.75										

LOCAL NUMBER : 141                      ELEVATION ABOVE MEAN SEA LEVEL: 24 feet  
 WELL NAME : Restaurada No. 8A        OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 17°59'50"                LONGITUDE : 66°35'42"  
 DIAMETER : 10-16 inches             DEPTH : 165 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981 :										28.58	25.74	26.00
1982 :	25.57	24.49	26.40	23.95	23.46	27.77	28.59	28.42	28.33	22.80		21.80
1983 :	20.33	24.27	24.72	24.50	21.01	20.58	19.18	18.06	17.68	18.71	18.33	18.44
1984 :	18.76	17.69	18.51	18.87	21.11	20.10	19.77	20.37	20.22	17.27	17.04	15.43
1985 :	16.52	16.72	18.15	20.64	20.84	18.23	17.45	18.78	18.80			

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

**WELLS IN THE  
SOUTH COAST PROVINCE  
Tallaboa-Guayanilla-Yauco-Guánica**



LOCAL NUMBER : 24  
WELL NAME : Tallaboa Valley 4. OWNER : P.R. Water Resources Authority  
LATITUDE : 18°00'51" LONGITUDE : 66°43'55"  
DIAMETER : 12 inches DEPTH : 73 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959		4.89	35.20 <sup>a</sup>	6.66	16.80 <sup>a</sup>	12.20 <sup>a</sup>	10.90 <sup>a</sup>	6.40 <sup>a</sup>	5.40 <sup>a</sup>	2.24 <sup>a</sup>	8.34 <sup>a</sup>	10.47 <sup>a</sup>
1960	12.20 <sup>a</sup>	10.40 <sup>a</sup>	7.63 <sup>a</sup>	5.88	4.73 <sup>a</sup>	11.54 <sup>a</sup>	8.23 <sup>a</sup>	3.56 <sup>a</sup>	10.08 <sup>a</sup>	9.83 <sup>a</sup>	3.75 <sup>a</sup>	4.59 <sup>a</sup>
1961	4.79 <sup>a</sup>	10.46 <sup>a</sup>	9.13 <sup>a</sup>	2.92 <sup>a</sup>	11.60 <sup>a</sup>	5.31 <sup>a</sup>	10.84 <sup>a</sup>	11.74 <sup>a</sup>	11.00 <sup>a</sup>	9.25 <sup>a</sup>	9.63 <sup>a</sup>	10.35 <sup>a</sup>
1962	8.40 <sup>a</sup>	12.48 <sup>a</sup>	10.65 <sup>a</sup>	2.75 <sup>a</sup>	11.04 <sup>a</sup>	11.90 <sup>a</sup>	11.63 <sup>a</sup>	7.48 <sup>a</sup>	12.63 <sup>a</sup>	16.22 <sup>a</sup>	12.28 <sup>a</sup>	8.65 <sup>a</sup>
1963	6.51 <sup>a</sup>	8.76 <sup>a</sup>	26.39 <sup>a</sup>	14.90 <sup>a</sup>	5.54 <sup>b</sup>	5.74 <sup>a</sup>	7.32 <sup>a</sup>	9.27 <sup>a</sup>	7.14 <sup>a</sup>	7.18 <sup>a</sup>	9.42 <sup>b</sup>	9.24 <sup>a</sup>
1964	9.76 <sup>a</sup>	9.46 <sup>a</sup>	9.56 <sup>a</sup>	18.80 <sup>a</sup>	16.10 <sup>a</sup>	15.30 <sup>a</sup>	11.58 <sup>a</sup>	11.60 <sup>a</sup>	11.15 <sup>a</sup>	13.10 <sup>a</sup>	11.70 <sup>a</sup>	
1965	24.00 <sup>a</sup>	19.10 <sup>a</sup>	19.51 <sup>a</sup>	45.00 <sup>a</sup>	17.08 <sup>a</sup>	8.49 <sup>a</sup>	9.93 <sup>a</sup>	6.07 <sup>a</sup>	6.55 <sup>a</sup>	10.43 <sup>a</sup>	6.89 <sup>a</sup>	
1966	10.75 <sup>a</sup>		8.73 <sup>a</sup>	9.95 <sup>a</sup>	11.63 <sup>a</sup>	12.31 <sup>a</sup>	11.41 <sup>a</sup>	9.27 <sup>a</sup>				
1967	8.03 <sup>a</sup>	10.28 <sup>a</sup>			12.41 <sup>a</sup>		17.81 <sup>a</sup>	18.20 <sup>a</sup>	9.04 <sup>a</sup>	8.99 <sup>a</sup>	9.15 <sup>a</sup>	9.00 <sup>a</sup>
1968	9.42 <sup>a</sup>	10.76 <sup>a</sup>	11.58 <sup>a</sup>		13.83 <sup>a</sup>	12.58 <sup>a</sup>	9.30 <sup>a</sup>	8.06 <sup>a</sup>				

REMARKS: Well discontinued, September 1968.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well



LOCAL NUMBER : 25  
 WELL NAME : Tallaboa Valley 5.  
 LATITUDE : 18°00'48"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 26 feet  
 OWNER : P.R. Water Resources Authority  
 LONGITUDE : 66°43'52"  
 DEPTH : 105 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959			6.84	51.40 <sup>a</sup>	59.50 <sup>a</sup>	10.96			10.80	75.90 <sup>a</sup>		
1960	24.80 <sup>a</sup>	30.80 <sup>a</sup>	15.10	15.38	23.60 <sup>a</sup>	22.30 <sup>a</sup>	22.90 <sup>a</sup>	21.50 <sup>a</sup>	21.85 <sup>a</sup>	22.30 <sup>a</sup>	22.09 <sup>a</sup>	22.60 <sup>a</sup>
1961	22.40 <sup>a</sup>	18.96 <sup>a</sup>	11.80 <sup>a</sup>	10.62	18.97 <sup>a</sup>	12.58 <sup>a</sup>	12.89 <sup>a</sup>	12.81 <sup>a</sup>	12.23 <sup>a</sup>	11.02	11.39	12.03
1962	10.03	10.63	11.73 <sup>a</sup>	11.37	11.27 <sup>a</sup>	11.88 <sup>a</sup>	12.46 <sup>a</sup>	11.84 <sup>a</sup>	12.12	13.78	12.95	11.07
1963	12.51	11.99	19.50	19.75	12.63 <sup>a</sup>	12.46 <sup>a</sup>	11.72 <sup>a</sup>	11.88 <sup>a</sup>	9.62	9.98	11.90	11.94
1964	13.67	13.52	13.60	16.79	12.10 <sup>a</sup>	17.33	16.70	30.57 <sup>a</sup>	18.44 <sup>a</sup>	21.30 <sup>a</sup>	11.73	
1965	17.24	18.76	23.88	28.43	20.25	11.42	12.99	9.12	9.69	9.56	9.57	
1966	7.64		11.27	11.85	13.31	14.64	15.90	16.05	10.97	11.20	14.07	9.52
1967	11.21	14.40	15.96	17.27	17.81	23.63	23.03	23.48	11.50	11.80	11.53	10.85
1968	11.74	13.66	14.85		19.10	16.27	12.64	12.49	11.39	11.65		11.02
1969	11.10					12.00		14.72				
1970				23.70			12.54	13.88			12.38	
1971	14.15		14.63	15.56	15.38	14.80		19.90	15.87		15.42	18.14
1972	16.11	16.00		14.60	15.30			24.61		15.77	16.39	

REMARKS: Well discontinued, November 1972.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 342                      ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 WELL NAME : Tallaboa 8                  OWNER : J.L. Valdivieso, U.S.G.S.  
 LATITUDE : 18°00'04"                    LONGITUDE : 66°43'39"  
 DIAMETER : 3 inches                      DEPTH : 115 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						1.60					2.50	
1967 :												
1968 :		1.00						1.00				
1969 :		0.79										

LOCAL NUMBER : 345                      ELEVATION ABOVE MEAN SEA LEVEL: 19 feet  
 WELL NAME : Tallaboa 3                  OWNER : J.L. Valdivieso, U.S.G.S.  
 LATITUDE : 18°00'20"                    LONGITUDE : 66°43'52"  
 DIAMETER : 3 inches                      DEPTH : 95 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						6.10					8.00	
1967 :		8.16							9.15			
1968 :		6.15						3.47				

LOCAL NUMBER : 343                      ELEVATION ABOVE MEAN SEA LEVEL: 18 feet  
 WELL NAME : Tallaboa 1                  OWNER : J.L. Valdivieso, U.S.G.S.  
 LATITUDE : 18°00'23"                    LONGITUDE : 66°43'43"  
 DIAMETER : 3 inches                      DEPTH : 90 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						2.90				0.98	4.50	
1967 :		5.00										

LOCAL NUMBER : 344                      ELEVATION ABOVE MEAN SEA LEVEL: 22 feet  
 WELL NAME : Tallaboa 6                  OWNER : J.L. Valdivieso, U.S.G.S.  
 LATITUDE : 18°00'30"                    LONGITUDE : 66°43'42"  
 DIAMETER : 3 inches                      DEPTH : 82 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						5.85					6.18	
1967 :		8.07		4.25					6.55			
1968 :								7.55				
1969 :		7.54										
1970 :		9.88										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 348  
 WELL NAME : Tallaboa 9  
 LATITUDE : 18°00'32"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 26 feet  
 OWNER : P.R. Department of Public Works, U.S.G.S.  
 LONGITUDE : 66°44'10"  
 DEPTH : 57 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						13.43					12.70	
1967		2.35							4.80			
1968		12.43						9.46				
1969		11.45										
1970		15.20										

LOCAL NUMBER : 347  
 WELL NAME : Tallaboa 4  
 LATITUDE : 18°00'11"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 13 feet  
 OWNER : J.L. Valdivieso, U.S.G.S.  
 LONGITUDE : 66°44'02"  
 DEPTH : 112 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						5.30					3.00	
1967												
1968		2.65										
1969		2.70										

LOCAL NUMBER : 346  
 WELL NAME : Tallaboa 7  
 LATITUDE : 18°00'40"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 26 feet  
 OWNER : J.L. Valdivieso, U.S.G.S.  
 LONGITUDE : 66°44'00"  
 DEPTH : 120 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						11.50					11.85	
1967		18.20										

LOCAL NUMBER : 349  
 WELL NAME : Tallaboa 5  
 LATITUDE : 18°00'03"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 9 feet  
 OWNER : Union Carbide, U.S.G.S.  
 LONGITUDE : 66°44'17"  
 DEPTH : 105 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						3.50					5.20	
1967		5.15							4.75			
1968		3.65						3.67				
1969		3.39										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 75  
 WELL NAME : Guayanilla St.Pl.1  
 LATITUDE : 18°01'43"  
 DIAMETER : 5.0 inches

ELEVATION ABOVE MEAN SEA LEVEL: 11.6 feet  
 OWNER : P.R. Water Resources Authority  
 LONGITUDE : 66°45'09"  
 DEPTH : 38 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958								9.71	9.29	9.31	9.32	9.43
1959	9.54	10.02	10.01	10.14	9.78	9.84			9.37	9.42		
1960			9.74							9.11		9.29
1961	9.43	9.49	9.65	10.06	10.29	10.30	10.20	9.76	9.70		9.15	9.34
1962	9.29	9.57	9.93	10.20	9.87	9.88	9.93	9.93	9.56	9.47	9.27	9.54
1963	9.58	9.79	10.13	10.12	9.84	10.02	9.87	10.24	10.20	9.15	9.07	9.37
1964	9.65	9.70	9.89	10.00	10.32	10.23	9.88	9.98	9.88	9.63	9.99	
1965	10.43	10.54	10.72	10.82	10.68	10.39			10.44	10.20	10.01	
1966	10.11		10.14	10.48	10.59	10.73	10.32	10.40	10.60	10.44	10.87	9.82
1967	10.11	10.23	10.53	10.50	10.72	10.73	10.48	10.36	10.02	9.98	8.68	9.96
1968	10.09	10.36	10.51		10.74	10.87	10.50	9.99	9.93	9.94		9.99
1969	10.10											

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

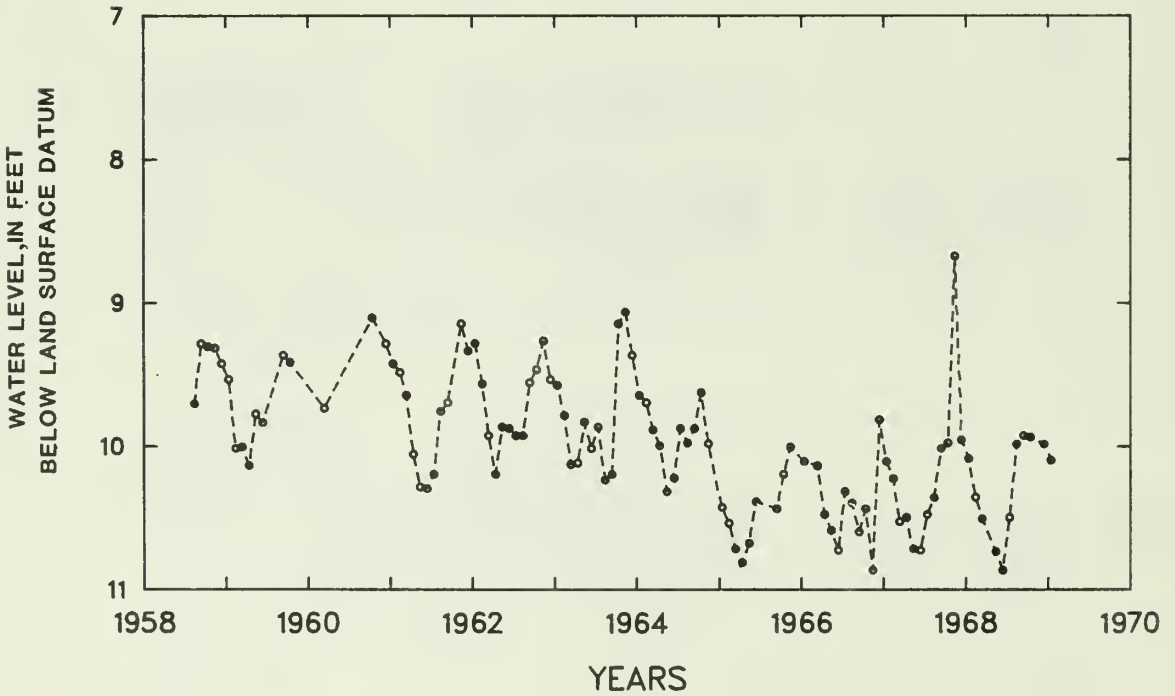


Figure 20.--Ground-water levels at Guayanilla Steam Plant 1, local number 75.

LOCAL NUMBER : 35D                      ELEVATION ABOVE MEAN SEA LEVEL: 3 feet  
 WELL NAME : Guayanilla 6                OWNER : Mario Mercado, U.S.G.S.  
 LATITUDE : 18°00'35"                    LONGITUDE : 66°45'57"  
 DIAMETER : 3 inches                     DEPTH : 90 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							2.12				1.75	
1967 :												
1968 :		2.53										
1969 :		2.30										
1970 :		Well destroyed.										

REMARK: Well found destroyed February, 1970.

LOCAL NUMBER : 35J                      ELEVATION ABOVE MEAN SEA LEVEL: 15 feet  
 WELL NAME : Guayanilla 7                OWNER : Mario Mercado, U.S.G.S.  
 LATITUDE : 18°00'54"                    LONGITUDE : 66°45'58"  
 DIAMETER : 3 inches                     DEPTH : 75 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :							9.40				9.95	
1967 :												
1968 :		11.96										
1969 :		Well destroyed.										

REMARK: Well found destroyed February, 1969.

LOCAL NUMBER : 35I                      ELEVATION ABOVE MEAN SEA LEVEL: 16 feet  
 WELL NAME : Guayanilla 10                OWNER : Mario Mercado, USGS  
 LATITUDE : 18°00'54"                    LONGITUDE : 66°46'11"  
 DIAMETER : 3 inches                     DEPTH : 110 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						8.70					8.05	
1967 :												
1968 :		8.36										
1969 :		Well destroyed.										

REMARK: Well found destroyed, February 1969.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 352  
 WELL NAME : Guayanilla 5.  
 LATITUDE : 18°01'02"  
 DIAMETER : 5 inches

ELEVATION ABOVE MEAN SEA LEVEL: 7 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°47'24"  
 DEPTH : 57 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961			8.61	9.85	8.19	9.76	9.63	9.40	7.39	3.86	3.50	3.71
1962	3.41 <sup>h</sup>		11.53	13.12	13.56	17.38	12.55	9.63	7.04	6.16	4.01	5.95
1963	6.86	9.96			15.12	12.77	11.80			3.66	3.67	3.36
1964	4.99	10.96	12.68		17.31	17.47	16.97	15.81				
1965				15.98	16.04			6.45	5.32	7.72	6.02	4.94
1966	4.80	9.26	13.70	14.45		15.30	14.40	14.65	11.80	9.80	6.87	6.39
1967	7.52	12.18	15.88	16.17	16.40	16.25	16.30	14.95	13.90	13.10	7.45	7.65
1968	7.15	1.45	1.50	10.50	10.70	9.00	1.52	1.42				

REMARKS: Station discontinued, September 1968, affected by nearby pumping.

LOCAL NUMBER : 358  
 WELL NAME : Guayanilla 13  
 LATITUDE : 18°00'29"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 14 feet  
 OWNER : Mario Mercado, USGS  
 LONGITUDE : 66°47'32"  
 DEPTH : 120 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						5.75					2.40	
1967												
1968												
1969		2.57										
1970		4.99										

LOCAL NUMBER : 359  
 WELL NAME : Guayanilla 14  
 LATITUDE : 18°00'22"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 10 feet  
 OWNER : Mario Mercado, USGS  
 LONGITUDE : 66°47'54"  
 DEPTH : 87 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						4.10					1.90	
1967												
1968												
1969		2.70										

LOCAL NUMBER : 360  
 WELL NAME : Guayanilla 15  
 LATITUDE : 18°00'12"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 OWNER : Mario Mercado, USGS  
 LONGITUDE : 66°47'55"  
 DEPTH : 197 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						4.80					4.95	

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 357                      ELEVATION ABOVE MEAN SEA LEVEL: 7 feet  
 WELL NAME : Guayanilla 8                OWNER : Mario Mercado, USGS  
 LATITUDE : 18°00'14"                    LONGITUDE : 66°47'23"  
 DIAMETER : 3 inches                      DEPTH : 117 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						3.75					4.15	
1967												
1968		5.15										
1969		9.88										
1970		4.82										
1971		5.14										
1972		3.21										

LOCAL NUMBER : 354                      ELEVATION ABOVE MEAN SEA LEVEL: 5 feet  
 WELL NAME : Guayanilla 11                OWNER : Mario Mercado, USGS  
 LATITUDE : 18°00'31"                    LONGITUDE : 66°47'01"  
 DIAMETER : 3 inches                      DEPTH : 107 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						2.85					1.45	

LOCAL NUMBER : 356                      ELEVATION ABOVE MEAN SEA LEVEL: 5 feet  
 WELL NAME : Guayanilla 9                OWNER : Mario Mercado, USGS  
 LATITUDE : 18°00'23"                    LONGITUDE : 66°47'10"  
 DIAMETER : 3 inches                      DEPTH : 67 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						2.15					2.00	

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 131                      ELEVATION ABOVE MEAN SEA LEVEL: 66 feet  
 WELL NAME : Yauco 1 or UCC2            OWNER : Union Carbide Corporation  
 LATITUDE : 18°00'58"                    LONGITUDE : 66°50'27"  
 DIAMETER :            1 inches            DEPTH : 156 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1972								30.01			20.27	27.34
1973			35.95	36.61	36.28	37.33	37.16	37.45		38.97	38.40	38.43
1974			38.23	43.00	44.95	41.62		43.76	9.71		6.73	9.24
1975	14.33		25.75	34.88		34.02		38.40		8.48	9.32	8.04
1976	11.96		19.03		18.70	24.90	33.83	35.38	34.93	33.60	21.56	25.08
1977	27.60	32.78		38.50	39.19	38.71		40.19	38.58	38.50	38.48	
1978		18.95	23.82									
1979	6.58	14.19	14.66	15.60	16.39	0.46	8.23	8.40		4.83	5.90	6.95
1980	7.71	9.23	11.40	10.70	12.35	7.19	11.12	11.30	13.84	13.20	12.77	14.27
1981	15.91	17.88	19.26	20.36	21.56	20.78	21.59	22.18	13.23	9.07	9.77	10.26
1982	10.00	11.64	12.60	13.15	11.96	11.96	12.48	12.78	13.68	7.52	7.24	6.92
1983	7.50	8.19	7.18	10.99	5.35	7.13	7.72	8.58	9.22	9.60	9.14	8.22
1984	8.08	8.67	9.72	10.38	11.59	11.50	12.24	12.13	12.18	11.49	5.48	5.38

REMARKS: Well discontinued, December, 1984.

LOCAL NUMBER : 355                      ELEVATION ABOVE MEAN SEA LEVEL: 9 feet  
 WELL NAME : Guayanilla 12            OWNER : Mario Mercado, USGS  
 LATITUDE : 18°00'38"                    LONGITUDE : 66°47'02"  
 DIAMETER :            3 inches            DEPTH : 109 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1966						4.00					3.05	
1967												
1968		2.97										
1969		6.19										
1970		1.59										
1971			3.05									
1972		7.05										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well



LOCAL NUMBER : 74  
 WELL NAME : Guayanilla  
 LATITUDE : 18°01'10"  
 DIAMETER : 16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 33.8 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°47'35"  
 DEPTH : 102 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960								15.06 <sup>a</sup>	14.92 <sup>a</sup>	8.56		15.0 <sup>a</sup>
1961						54.2 <sup>a</sup>	55.05 <sup>a</sup>	55.95 <sup>a</sup>	13.58 <sup>a</sup>	15.09 <sup>a</sup>	15.26 <sup>a</sup>	15.29 <sup>a</sup>
1962	15.24 <sup>a</sup>	15.33 <sup>a</sup>	56.42 <sup>a</sup>	56.74 <sup>a</sup>	54.28 <sup>a</sup>	57.57 <sup>a</sup>		56.37 <sup>a</sup>	55.29 <sup>a</sup>		12.25 <sup>b</sup>	
1963		57.10 <sup>a</sup>		59.45 <sup>a</sup>	60.45 <sup>a</sup>	60.50 <sup>a</sup>	53.42 <sup>a</sup>	59.17 <sup>a</sup>		53.40 <sup>a</sup>	9.60 <sup>a</sup>	
1964		16.90 <sup>a</sup>		28.17 <sup>a</sup>	30.34 <sup>a</sup>			27.22 <sup>a</sup>		15.08 <sup>a</sup>	15.1 <sup>a</sup>	15.5 <sup>a</sup>
1965	57.8 <sup>a</sup>	21.55 <sup>a</sup>	29.88 <sup>a</sup>		56.2 <sup>a</sup>	57.23 <sup>a</sup>	50.97 <sup>a</sup>	50.46 <sup>a</sup>	50.61 <sup>a</sup>	17.45 <sup>a</sup>	15.52 <sup>a</sup>	
1966	15.33 <sup>a</sup>		15.40 <sup>a</sup>	59.42 <sup>a</sup>	60.06 <sup>a</sup>	58.62 <sup>a</sup>	58.90 <sup>a</sup>	58.62 <sup>a</sup>	56.57 <sup>a</sup>	58.52 <sup>a</sup>	52.50 <sup>a</sup>	16.90 <sup>a</sup>
1967	15.93 <sup>a</sup>	58.47 <sup>a</sup>	58.36 <sup>a</sup>	58.54 <sup>a</sup>	58.57 <sup>a</sup>	58.39 <sup>a</sup>	59.64 <sup>a</sup>	58.60 <sup>a</sup>	58.40 <sup>a</sup>	58.89 <sup>a</sup>	51.62 <sup>a</sup>	56.00 <sup>a</sup>
1968	16.20 <sup>a</sup>	58.73 <sup>a</sup>	58.22 <sup>a</sup>		56.48 <sup>a</sup>	59.42 <sup>a</sup>	57.96 <sup>a</sup>	56.72 <sup>a</sup>	57.88 <sup>a</sup>	56.60 <sup>a</sup>		57.80 <sup>a</sup>
1969	59.00 <sup>a</sup>		59.70 <sup>a</sup>	59.12 <sup>a</sup>		57.46 <sup>a</sup>		54.90 <sup>a</sup>		49.10 <sup>a</sup>		44.99 <sup>a</sup>
1970		48.58 <sup>a</sup>	49.00 <sup>a</sup>	55.23 <sup>a</sup>	55.97 <sup>a</sup>		56.76 <sup>a</sup>	49.15 <sup>a</sup>			16.12 <sup>a</sup>	
1971	15.43 <sup>a</sup>		49.40 <sup>a</sup>	49.67 <sup>a</sup>	52.00 <sup>a</sup>	60.74 <sup>a</sup>		56.58 <sup>a</sup>	60.68 <sup>a</sup>	59.30 <sup>a</sup>	58.80 <sup>a</sup>	45.47 <sup>a</sup>
1972	50.36 <sup>a</sup>	49.85 <sup>a</sup>		57.70 <sup>a</sup>	53.9 <sup>a</sup>	36.2 <sup>a</sup>		31.2 <sup>a</sup>		56.4 <sup>a</sup>	26.7 <sup>a</sup>	
1973	26.56 <sup>a</sup>		52.45 <sup>a</sup>	29.43 <sup>a</sup>			58.50 <sup>a</sup>	34.20 <sup>a</sup>		55.20 <sup>a</sup>	53.70 <sup>a</sup>	54.11 <sup>a</sup>
1974		62.13 <sup>a</sup>	35.04 <sup>a</sup>	67.70 <sup>a</sup>	68.30 <sup>a</sup>			58.20 <sup>a</sup>	57.78 <sup>a</sup>		63.16 <sup>a</sup>	55.34 <sup>a</sup>
1975	54.51 <sup>a</sup>		55.11 <sup>a</sup>	57.39 <sup>a</sup>		60.55 <sup>a</sup>		62.62 <sup>a</sup>		21.05 <sup>a</sup>	15.44 <sup>a</sup>	16.44 <sup>a</sup>
1976	16.44 <sup>a</sup>		16.80 <sup>a</sup>		53.26 <sup>a</sup>	59.80 <sup>a</sup>	68.50 <sup>a</sup>	90.50 <sup>a</sup>	58.47 <sup>a</sup>	60.35 <sup>a</sup>	49.58 <sup>a</sup>	50.67 <sup>a</sup>
1977		52.05 <sup>a</sup>		52.89 <sup>a</sup>	60.60 <sup>a</sup>	62.34 <sup>a</sup>		60.04 <sup>a</sup>	56.72 <sup>a</sup>	55.12 <sup>a</sup>	59.35 <sup>a</sup>	
1978	64.72 <sup>a</sup>	57.19 <sup>a</sup>	20.98 <sup>a</sup>	56.52 <sup>a</sup>	63.00 <sup>a</sup>	61.35 <sup>a</sup>	62.00 <sup>a</sup>	68.92 <sup>a</sup>	69.06 <sup>a</sup>	64.89 <sup>a</sup>		
1979	57.62 <sup>a</sup>	56.18 <sup>a</sup>	60.21 <sup>a</sup>	57.97 <sup>a</sup>	61.00 <sup>a</sup>	69.90 <sup>a</sup>	65.90 <sup>a</sup>	15.80 <sup>a</sup>		15.15 <sup>a</sup>	15.33 <sup>a</sup>	15.15 <sup>a</sup>
1980	15.27 <sup>a</sup>	15.48 <sup>a</sup>	16.49 <sup>a</sup>			16.20 <sup>a</sup>	54.50 <sup>a</sup>	57.15 <sup>a</sup>	55.63 <sup>a</sup>	54.46 <sup>a</sup>	55.12 <sup>a</sup>	65.04 <sup>a</sup>
1981	55.44 <sup>a</sup>	67.20 <sup>a</sup>		73.70 <sup>a</sup>	70.35 <sup>a</sup>	56.69 <sup>a</sup>	58.54 <sup>a</sup>	58.52 <sup>a</sup>	53.39 <sup>a</sup>	15.57 <sup>a</sup>	15.60 <sup>a</sup>	15.70 <sup>a</sup>
1982	15.42 <sup>a</sup>	15.45 <sup>a</sup>	15.45 <sup>a</sup>	16.22 <sup>a</sup>	15.89 <sup>a</sup>	15.61 <sup>a</sup>	15.47 <sup>a</sup>	15.69 <sup>a</sup>	15.35 <sup>a</sup>	15.30 <sup>a</sup>	15.48 <sup>a</sup>	15.25 <sup>a</sup>
1983	15.37 <sup>a</sup>	15.55 <sup>a</sup>	15.40 <sup>a</sup>	16.00 <sup>a</sup>	15.44 <sup>a</sup>	15.39 <sup>a</sup>	15.34 <sup>a</sup>	15.35 <sup>a</sup>	15.22 <sup>a</sup>	15.87 <sup>a</sup>	15.80 <sup>a</sup>	15.75 <sup>a</sup>
1984	15.25 <sup>a</sup>	15.33 <sup>a</sup>	15.53 <sup>a</sup>	15.76 <sup>a</sup>	16.50 <sup>a</sup>	20.55 <sup>a</sup>	57.45 <sup>a</sup>	18.40 <sup>a</sup>	48.55 <sup>a</sup>	15.68 <sup>a</sup>	15.44 <sup>a</sup>	15.25 <sup>a</sup>
1985	15.60 <sup>a</sup>	15.20 <sup>a</sup>	15.53 <sup>a</sup>									

REMARKS: Well discontinued, April 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 26  
 WELL NAME : Jauca 2  
 LATITUDE : 18°01'52"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 250 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°22'09"  
 DEPTH : 292 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960	102.9	101.2	98.33	97.20	95.76	94.35	92.98	92.06	91.29	90.57	89.66	87.85
1961	73.99	69.91	72.19	74.09	75.54	76.64	79.15	78.56	79.22	79.58	79.92	80.33
1962	80.64	80.90	81.28	81.47	81.65	81.76	82.06	82.20	82.26	82.28		81.48
1963	79.43	77.83	77.64	78.05	78.50	79.01	79.51		79.85	80.28	80.28	80.45
1964	80.62	80.87	81.05	81.10	81.01	81.02	81.25	81.39	81.63	81.69	81.54	78.00
1965	78.36	79.12	79.89	80.36	80.36	79.74	79.52	79.45	79.14	78.71	78.27	77.66
1966	76.97	76.06	75.73	77.28	78.42	79.24	79.96	80.44	80.85	81.13	79.87	80.41
1967	80.92	81.29	81.59	81.91	82.20	82.46	82.56					

REMARKS: Well discontinued, October 1967.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

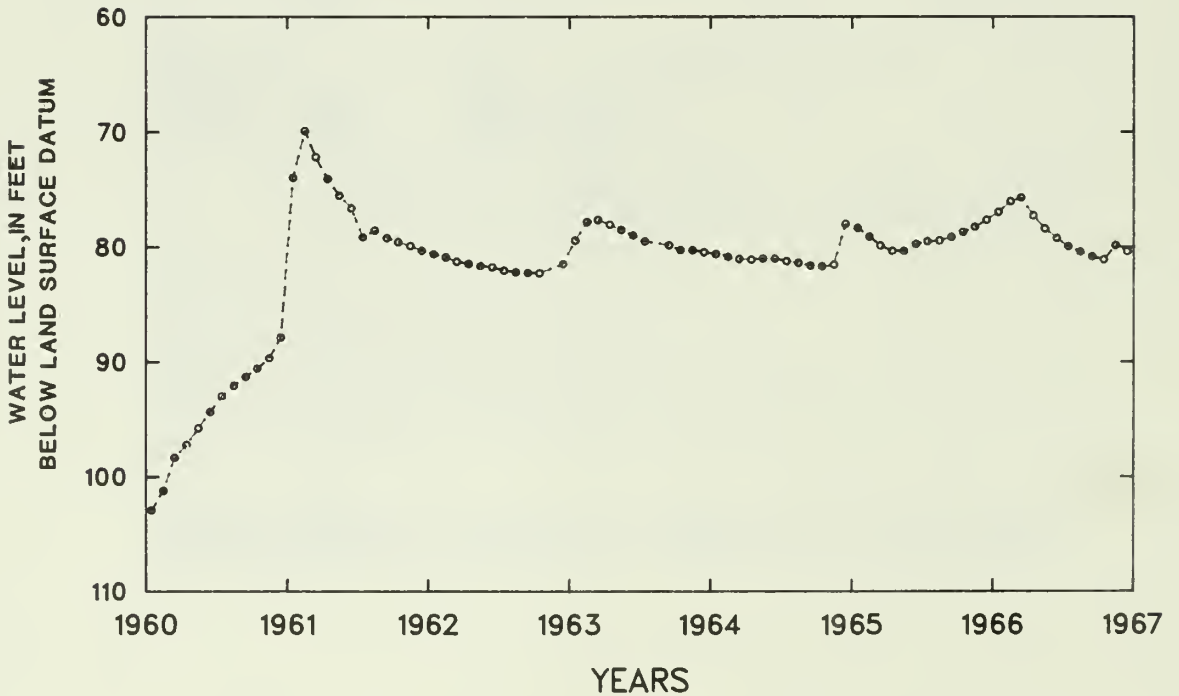


Figure 21.--Ground-water levels at Jauca 2, local number 26.

LOCAL NUMBER : 28                      ELEVATION ABOVE MEAN SEA LEVEL: 23.5 feet  
 WELL NAME : Guayanilla 5.            OWNER : Mario Mercado, USGS  
 LATITUDE : 18°00'48"                LONGITUDE : 66°46'27"  
 DIAMETER : 3 inches                  DEPTH : 38 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						3.7B					2.35	
1967												
1968		2.90										
1969		Well destroyed.										

REMARKS: Well found destroyed 02/1969.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

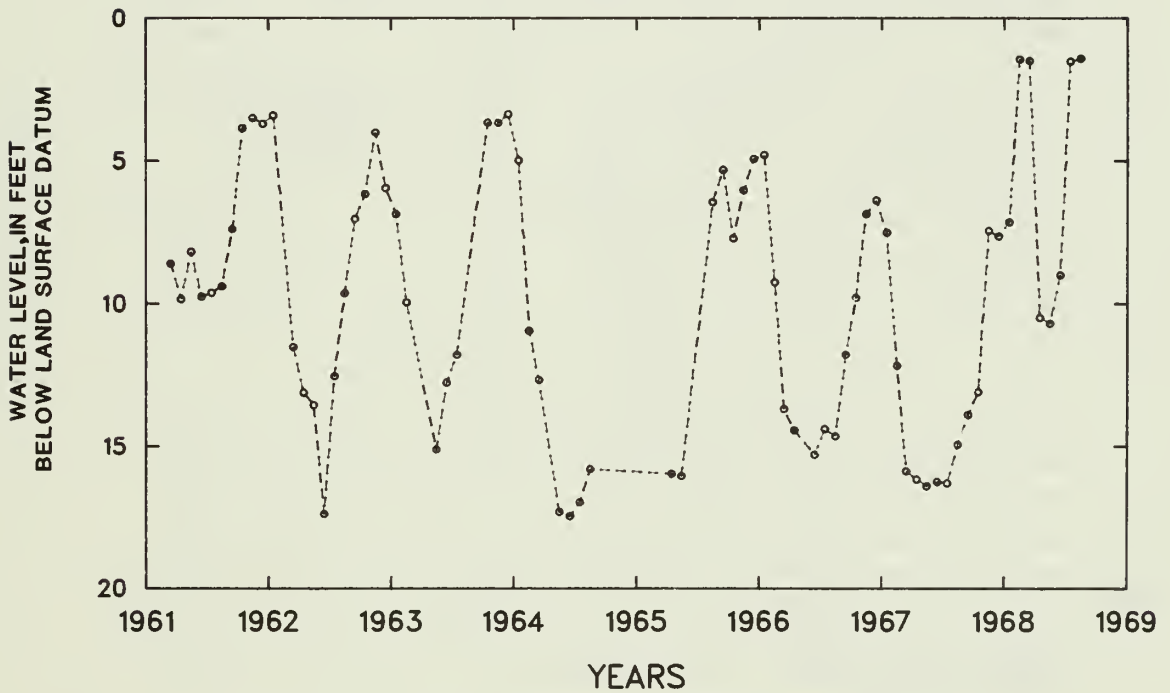


Figure 22.--Ground-water levels at Guayanilla 5, local number 28.

LOCAL NUMBER : 27  
 WELL NAME : Quebradas  
 LATITUDE : 18°01'50"  
 DIAMETER : 16-12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 59.4 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°47'49"  
 DEPTH : 120 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958											29.71	
1959			46.99	47.29		29.08	38.45	32.29		25.72	32.60	33.95 <sup>a</sup>
1960		33.14	37.10 <sup>a</sup>	41.95	37.16	38.78	33.83	30.28	26.82	27.97	29.00 <sup>a</sup>	27.75
1961	31.26 <sup>a</sup>	33.10 <sup>a</sup>	37.75 <sup>a</sup>	36.27	36.69 <sup>a</sup>	45.92 <sup>a</sup>	48.62 <sup>b</sup>	47.55 <sup>b</sup>	33.66 <sup>a</sup>	28.67 <sup>a</sup>	29.11 <sup>a</sup>	29.64 <sup>a</sup>
1962	29.52	37.55 <sup>a</sup>	42.98 <sup>a</sup>	50.85	48.72 <sup>a</sup>	53.70 <sup>a</sup>	52.53 <sup>a</sup>	44.36 <sup>b</sup>	38.48 <sup>a</sup>	40.24 <sup>a</sup>	33.38 <sup>a</sup>	35.79 <sup>a</sup>
1963	35.99 <sup>a</sup>	39.79 <sup>a</sup>	41.52 <sup>a</sup>		42.06 <sup>a</sup>	52.25 <sup>a</sup>	50.53 <sup>a</sup>	51.70 <sup>a</sup>	47.75 <sup>a</sup>	29.48	40.93 <sup>a</sup>	30.62 <sup>a</sup>
1964	34.75 <sup>a</sup>	45.09 <sup>a</sup>	41.53 <sup>a</sup>	46.03	47.25 <sup>a</sup>	50.21 <sup>a</sup>	51.88 <sup>a</sup>	44.68 <sup>a</sup>	43.92 <sup>a</sup>	29.94 <sup>a</sup>	28.44 <sup>a</sup>	37.35 <sup>a</sup>
1965	36.36 <sup>a</sup>	41.44 <sup>a</sup>	49.44 <sup>a</sup>		56.70 <sup>a</sup>	47.76 <sup>a</sup>	40.68 <sup>a</sup>	40.57 <sup>a</sup>	40.66 <sup>a</sup>	32.96 <sup>a</sup>	31.13 <sup>a</sup>	
1966	34.01 <sup>a</sup>		46.95 <sup>a</sup>	52.97 <sup>a</sup>	54.01 <sup>a</sup>	52.91 <sup>a</sup>	53.12 <sup>a</sup>	51.88 <sup>a</sup>	50.57 <sup>a</sup>	41.47 <sup>a</sup>	36.24 <sup>a</sup>	34.04 <sup>a</sup>
1967	37.21 <sup>a</sup>	40.21 <sup>a</sup>	47.80 <sup>a</sup>	51.55 <sup>a</sup>	57.44 <sup>a</sup>	61.03 <sup>a</sup>	62.50 <sup>a</sup>	53.22 <sup>a</sup>	49.51 <sup>a</sup>	45.39 <sup>a</sup>	40.39 <sup>a</sup>	60.58 <sup>a</sup>
1968	36.42 <sup>a</sup>	43.94 <sup>a</sup>	45.34 <sup>a</sup>		44.28 <sup>a</sup>	45.84 <sup>a</sup>	41.74 <sup>a</sup>	49.27 <sup>a</sup>	43.11 <sup>a</sup>	40.39 <sup>a</sup>		37.65 <sup>a</sup>
1969	41.89 <sup>a</sup>		40.95 <sup>a</sup>	41.31 <sup>a</sup>		41.62 <sup>a</sup>		41.53 <sup>a</sup>				42.68 <sup>a</sup>
1970		44.46 <sup>a</sup>	45.63 <sup>a</sup>	48.75 <sup>a</sup>	49.10 <sup>a</sup>		51.26 <sup>a</sup>	58.52 <sup>a</sup>		51.43 <sup>a</sup>	46.72 <sup>a</sup>	
1971	41.40 <sup>a</sup>			47.52 <sup>a</sup>	48.54 <sup>a</sup>	48.28 <sup>a</sup>		61.70 <sup>a</sup>	51.06 <sup>a</sup>	61.70 <sup>a</sup>	49.02 <sup>a</sup>	58.00 <sup>a</sup>
1972	50.34 <sup>a</sup>	56.27 <sup>a</sup>		52.27 <sup>a</sup>	52.90 <sup>a</sup>	75.10 <sup>a</sup>		51.59 <sup>a</sup>		56.56 <sup>a</sup>	54.56 <sup>a</sup>	
1973	50.27 <sup>a</sup>		51.36 <sup>a</sup>	56.25 <sup>a</sup>	62.90 <sup>a</sup>	62.90 <sup>a</sup>	63.65 <sup>a</sup>	63.86 <sup>a</sup>		54.94 <sup>a</sup>	52.03 <sup>a</sup>	56.64 <sup>a</sup>
1974		55.51 <sup>a</sup>	58.15 <sup>a</sup>	71.88 <sup>a</sup>	68.35 <sup>a</sup>	65.12 <sup>a</sup>		68.67 <sup>a</sup>	54.99 <sup>a</sup>		47.05 <sup>a</sup>	41.88 <sup>a</sup>
1975	41.49 <sup>a</sup>		43.59 <sup>a</sup>	50.57 <sup>a</sup>		52.57 <sup>a</sup>		53.36 <sup>a</sup>		33.28 <sup>a</sup>	33.76 <sup>a</sup>	36.90 <sup>a</sup>
1976	38.10 <sup>a</sup>		37.65 <sup>a</sup>	35.91 <sup>a</sup>	37.53 <sup>a</sup>	37.32 <sup>a</sup>	44.13 <sup>a</sup>	49.95 <sup>a</sup>	51.06 <sup>a</sup>		40.13 <sup>a</sup>	39.83 <sup>a</sup>
1977	41.19 <sup>a</sup>	43.13 <sup>a</sup>		44.76 <sup>a</sup>	62.50 <sup>a</sup>	61.85 <sup>a</sup>		56.46 <sup>a</sup>	54.13 <sup>a</sup>	48.11 <sup>a</sup>	45.62 <sup>a</sup>	
1978		43.44 <sup>a</sup>	45.52 <sup>a</sup>	43.60 <sup>a</sup>	47.30 <sup>a</sup>	48.41 <sup>a</sup>	55.16 <sup>a</sup>	58.98 <sup>a</sup>	60.88 <sup>a</sup>	53.10 <sup>a</sup>		
1979	46.75 <sup>a</sup>	51.30 <sup>a</sup>	52.17 <sup>a</sup>	48.04 <sup>a</sup>	52.32 <sup>a</sup>	46.13 <sup>a</sup>	38.11 <sup>a</sup>	32.42 <sup>a</sup>		28.98 <sup>a</sup>	29.17 <sup>a</sup>	30.55 <sup>a</sup>
1980	32.72 <sup>a</sup>	34.13 <sup>a</sup>	35.10 <sup>a</sup>	37.75 <sup>a</sup>	36.72 <sup>a</sup>	35.80 <sup>a</sup>	37.67 <sup>a</sup>	38.72 <sup>a</sup>	41.57 <sup>a</sup>	43.42 <sup>a</sup>	45.06 <sup>a</sup>	49.90 <sup>a</sup>
1981	44.34 <sup>a</sup>	43.59 <sup>a</sup>	46.65 <sup>a</sup>	46.39 <sup>a</sup>	48.73 <sup>a</sup>	47.29 <sup>a</sup>	47.77 <sup>a</sup>	46.54 <sup>a</sup>	45.93 <sup>a</sup>	37.75 <sup>a</sup>	38.36 <sup>a</sup>	36.08 <sup>a</sup>
1982	36.74 <sup>a</sup>	36.88 <sup>a</sup>	37.88 <sup>a</sup>	42.04 <sup>a</sup>	40.93 <sup>a</sup>	38.43 <sup>a</sup>	40.62 <sup>a</sup>	39.35 <sup>a</sup>	40.37 <sup>a</sup>	35.83 <sup>a</sup>	28.52 <sup>a</sup>	30.48 <sup>a</sup>
1983	32.01 <sup>a</sup>	32.28 <sup>a</sup>	37.10 <sup>a</sup>	37.59 <sup>a</sup>	32.54 <sup>a</sup>	30.69 <sup>a</sup>	28.70 <sup>a</sup>	29.90 <sup>a</sup>	31.15 <sup>a</sup>	30.90 <sup>a</sup>	32.59 <sup>a</sup>	34.10 <sup>a</sup>
1984	33.38 <sup>a</sup>	32.81 <sup>a</sup>	35.39 <sup>a</sup>	36.35 <sup>a</sup>	39.86 <sup>a</sup>	37.44 <sup>a</sup>	42.60 <sup>a</sup>	40.81 <sup>a</sup>	40.36 <sup>a</sup>	37.53 <sup>a</sup>	32.80 <sup>a</sup>	31.72 <sup>a</sup>

REMARKS: Well discontinued.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 76  
 WELL NAME : Barinas well  
 LATITUDE : 18°01'32"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 75.1 feet  
 OWNER : A. Zeno and R. Gardón.  
 LONGITUDE : 66°50'24"  
 DEPTH : 112 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962				6.72	6.16	6.45	5.86	6.64	6.55	7.35	6.49	7.53
1963	7.79	25.02 <sup>a</sup>	9.05	8.04	8.68	7.72	23.50 <sup>a</sup>	4.55	7.02	5.06	5.28	6.37
1964	4.75	23.55 <sup>a</sup>	7.38	8.15	7.64	8.98	9.68	10.75	8.02	7.11		

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

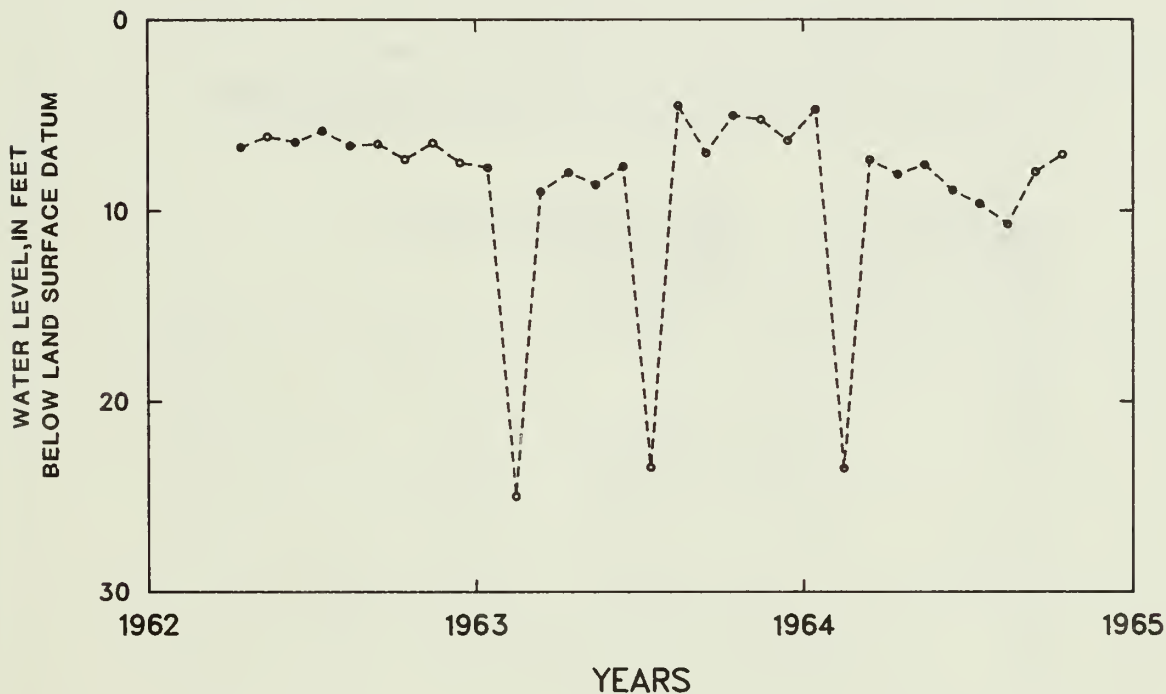


Figure 23.--Ground-water levels at Barinas, local number 76.

LOCAL NUMBER : 132  
 WELL NAME : Yauco 2  
 LATITUDE : 18°01'33"  
 DIAMETER : 10-20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 75 feet  
 OWNER : Pittsburgh Plate Glass  
 LONGITUDE : 66°50'33"  
 DEPTH : 190 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1972							25.40	27.80		24.96	23.74	25.64
1973	28.50	29.79	30.86	32.10	29.63	27.44	31.22	32.86		29.55	28.00	29.84
1974	31.19	32.93	33.71	35.28				35.88	31.66		8.56	12.89
1975	13.75		24.40	25.58	25.19	27.90	29.00	27.03	25.20			
1976		14.17	15.72	16.07	14.34	18.80	24.39	27.08	26.81	25.06	16.91	19.42
1977	21.70 <sup>e</sup>	24.40 <sup>e</sup>	29.00 <sup>e</sup>	30.47	30.37	31.52	32.10	31.44	25.75 <sup>e</sup>	25.47	16.41	15.18
1978	13.54	15.11	18.30	19.71	22.02	25.73	26.42	27.35	23.94 <sup>e</sup>	23.37	8.67	9.17
1979	8.32	7.54	8.61	8.74	8.98 <sup>e</sup>	5.38	5.90	5.69	3.66	4.01	4.15	4.47
1980	4.73	4.94	8.74	9.81	11.93	8.35	10.90 <sup>e</sup>	12.40 <sup>e</sup>	13.22	11.10 <sup>e</sup>	9.70 <sup>e</sup>	11.90 <sup>e</sup>
1981	14.00 <sup>e</sup>	16.20 <sup>e</sup>	19.03	20.57	20.49	17.13	18.00	17.78	12.80	6.36	6.60	6.59
1982	7.63	9.59	11.98	13.72	13.66	12.19	12.67	12.34	12.56	7.40	6.80	6.95
1983	8.47	10.55	20.39	12.88	7.76	7.24	8.01	8.70	8.84	9.39	8.16	7.64
1984	7.96	8.81	12.19	12.71	12.95	13.84	14.26	15.27	14.83	8.61	7.56	6.47
1985	6.98	7.56	7.77	8.74	9.08		8.50	9.02	9.26			

LOCAL NUMBER : 134  
 WELL NAME : Yauco 4 or UCC 1  
 LATITUDE : 18°01'20"  
 DIAMETER : inches

ELEVATION ABOVE MEAN SEA LEVEL: 87 feet  
 OWNER : Union Carbide Corporation  
 LONGITUDE : 66°50'32"  
 DEPTH : 163 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1972							25.26	28.27			23.42	27.53
1973			32.10	33.70	32.05	32.10	31.40	34.10		33.14	33.34	32.46
1974			34.92	36.69	36.89	37.84		37.10	23.56		16.30	14.70
1975	20.40		20.70	28.90		25.35		26.32		8.57	11.56	10.01
1976	14.08		18.79		11.45	19.97	23.99	28.65	27.85	20.65	20.75	21.83
1977	24.38	21.05		32.35	35.42	34.15		25.18	26.75	24.69	15.90	
1978		17.74	20.71	20.80	23.77	26.15	28.60	29.78	25.70	26.95	12.60	13.65
1979	13.45	13.08	13.16	13.82	10.44	7.90	10.78	10.13		8.70	8.79	9.43
1980	9.90	9.96	10.13	12.58	14.59	10.78	13.30	13.55	16.31	15.68	13.23	14.78
1981	15.67	17.01	18.80	21.58	21.97	18.78	20.14	21.44	10.94	8.27	10.81	11.09
1982	11.23	10.55	11.52	15.00	13.74	12.50	14.78	14.21	14.96	11.35	10.98	10.78
1983	11.18	12.12	13.40	14.87	10.92	11.29	10.77	12.00	11.05	11.95	12.01	11.50
1984	11.28	11.66	13.22	14.15	15.39	15.28	16.94	16.58	17.80	14.60	10.59	10.46

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

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LOCAL NUMBER : 77  
 WELL NAME : Las Palomas  
 LATITUDE : 18°01'07"  
 DIAMETER : inches

ELEVATION ABOVE MEAN SEA LEVEL: 105 feet  
 OWNER : Félix González  
 LONGITUDE : 66°52'50"  
 DEPTH : 176 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962										12.02	11.56	
1963		15.59		18.67 <sup>a</sup>	16.54	9.35	10.00		8.52	7.55	7.47	8.43
1964	12.11	11.98	9.40	10.50	10.32	12.83	15.11					
1965						13.59	11.93	11.15	11.29	11.92	10.36	
1966	10.36		12.39	12.30	13.89	14.18		17.65	17.13	18.12	10.15	9.44
1967	12.59	14.90	15.93	16.66	15.20	17.96	19.75 <sup>a</sup>	24.47 <sup>a</sup>	18.90	17.87	15.05	13.61
1968	15.13	17.53	17.89		19.18	23.86 <sup>a</sup>	20.72 <sup>a</sup>	17.39	11.65	11.23		8.55
1969	8.40					14.43						

LOCAL NUMBER : 32  
 WELL NAME : Sierra Baja  
 LATITUDE : 18°03'19"  
 DIAMETER : 8 inches

ELEVATION ABOVE MEAN SEA LEVEL: 251.6 feet  
 OWNER : Sucn. Stella  
 LONGITUDE : 66°46'59"  
 DEPTH : 85.4 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960											10.80	10.87
1961	9.22	12.05	13.63	12.58	14.01	15.49	16.24	16.57	15.20	8.69	8.23	9.06
1962	11.80	14.33	13.94	13.33	11.38	10.07	10.72	10.90	10.61	10.44	9.44	11.54
1963	12.60	13.63	14.94	14.66	13.96	14.00		10.06	8.69		7.96	9.76
1964		13.30	13.52	13.80	14.12	15.10	15.20	14.92	15.03	12.56	14.29	14.03
1965	14.31	14.78	15.24	15.16	14.99	13.86	12.74	12.87	11.77	11.69	11.12	
1966					13.25	12.55	11.35	13.15	14.30	12.85		10.65
1967	12.75						14.10	14.65	14.15	9.25	9.00	10.10
1968	11.35	12.40	12.60	13.50	14.00	14.00	13.20	10.40	11.20	12.13	13.50	13.02
1969	13.67	13.80				11.92 <sup>j</sup>	12.69	14.50	13.30			
1970	Discontinued.											

Remarks: Station discontinued, April 1970.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



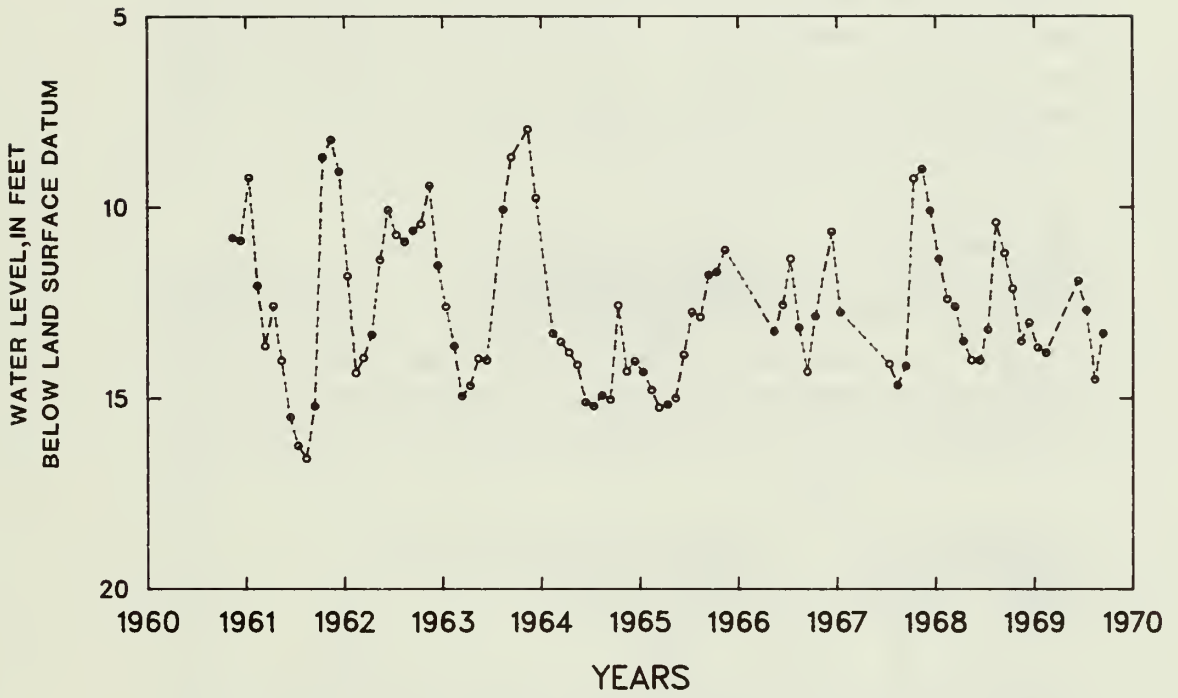


Figure 24.--Ground-water levels at Sierra Baja, local number 32.

LOCAL NUMBER : 96                      ELEVATION ABOVE MEAN SEA LEVEL: 25 feet  
 WELL NAME : Yabucoa 7 or TW2        OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°04'16"                LONGITUDE : 66°51'41"  
 DIAMETER : 16 inches                DEPTH : 181 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1978				25.98	25.94	23.53	22.58	21.57	23.89	24.10	20.10	21.79
1979	20.78	22.01	26.75	27.88	28.11	16.45		20.69	19.75	19.88	19.33	21.70 <sup>e</sup>
1980	21.80 <sup>e</sup>	24.40	25.53	25.56	27.56	24.75	25.90 <sup>e</sup>	27.59	28.29	26.51	24.71	24.32
1981	24.26	23.56	22.83	25.11	25.74	21.01	18.90	17.59	18.87	19.33	19.68	20.45
1982	17.01	17.61	18.76	18.65	18.85	17.27	17.78	18.51	19.00	20.06	21.09	19.39
1983	19.88	20.31	22.92	23.07	23.44	21.96	22.20	20.90	20.07	21.13	20.24	19.26
1984	22.59	23.58	22.73	23.69	23.67	21.96	21.45	22.56	23.16	21.51	17.22	16.01
1985	18.55	19.95	19.87	18.21	19.30	17.85	18.82	20.02	19.74			

LOCAL NUMBER : 326                      ELEVATION ABOVE MEAN SEA LEVEL: 4 feet  
 WELL NAME : Guayanilla 2            OWNER : Sucesión Lluveras - U.S.G.S.  
 LATITUDE : 17°58'37"                LONGITUDE : 66°48'50"  
 DIAMETER : 3 inches                 DEPTH : 100 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						2.60						

LOCAL NUMBER : 325                      ELEVATION ABOVE MEAN SEA LEVEL: 4 feet  
 WELL NAME : Guayanilla 3            OWNER : Sucesión Lluveras - U.S.G.S.  
 LATITUDE : 17°58'36"                LONGITUDE : 66°48'50"  
 DIAMETER : 3 inches                 DEPTH : 40 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						2.60						

LOCAL NUMBER : 327                      ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 WELL NAME : Guayanilla 1            OWNER : Sucesión Lluveras - U.S.G.S.  
 LATITUDE : 17°58'57"                LONGITUDE : 66°49'01"  
 DIAMETER : 3 inches                 DEPTH : 98 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						1.62					1.60	
1967												
1968		1.55					2.52					
1969		5.25										
1970		1.60										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 12                      ELEVATION ABOVE MEAN SEA LEVEL: 25 feet  
 WELL NAME : Guánica 1                OWNER : P.R. Land Authority  
 LATITUDE : 17°58'25"                LONGITUDE : 66°54'17"  
 DIAMETER : 3 inches                 DEPTH : 114 feet

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YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						2.55						4.00
1967									11.45			
1968		8.11										
1969												
1970		5.86										

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LOCAL NUMBER : 13                      ELEVATION ABOVE MEAN SEA LEVEL: 19 feet  
 WELL NAME : Guánica 2                OWNER : P.R. Land Authority- U.S.G.S.  
 LATITUDE : 17°58'38"                LONGITUDE : 66°54'20"  
 DIAMETER : 3 inches                 DEPTH : 140 feet

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YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						6.26						9.05
1967									6.25			
1968		4.60										
1969												
1970		8.38										
1971		8.10										
1972		6.96										

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a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 328  
 WELL NAME : Guánica 1  
 LATITUDE : 17°58'58"  
 DIAMETER : 13-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 9 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°54'12"  
 DEPTH : 85 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958								7.29 <sup>b</sup>			8.03	
1959			13.03	14.42 <sup>a</sup>		12.36 <sup>a</sup>	10.04	11.83	9.90	13.06	9.53	11.86
1960	13.18	13.23	15.00	14.89	7.80	8.22	10.32	12.05	3.90	9.11	10.89	8.04
1961	10.51 <sup>a</sup>	10.40	11.70	12.58	12.60	12.84	17.79 <sup>a</sup>	13.55	18.97 <sup>a</sup>	16.90 <sup>a</sup>	11.23	
1962	18.59	12.42	12.43	12.75	12.53	16.55 <sup>a</sup>	11.78	9.66	8.97	10.08	11.69	11.96
1963	12.41	13.27	15.25		15.13	20.60	14.35			6.32	13.83	14.02
1964	9.89	11.46	17.72 <sup>a</sup>	11.19	11.81	12.25	13.50	14.48	14.18	10.77	12.08	13.73
1965	14.18 <sup>a</sup>	13.96	16.98		17.14	24.60 <sup>a</sup>	14.37	22.13 <sup>a</sup>	17.72 <sup>a</sup>	18.88 <sup>a</sup>	17.57 <sup>a</sup>	
1966	15.81 <sup>a</sup>		11.45	18.18 <sup>a</sup>	23.85 <sup>a</sup>	24.69 <sup>a</sup>		18.09 <sup>a</sup>	13.57	13.28	13.59	11.07
1967	10.32	11.72 <sup>a</sup>	11.66 <sup>a</sup>	13.14 <sup>a</sup>	14.00 <sup>a</sup>	19.95 <sup>a</sup>	20.91 <sup>a</sup>	20.77 <sup>a</sup>	14.57 <sup>a</sup>	14.81 <sup>a</sup>	14.50 <sup>a</sup>	11.80 <sup>a</sup>
1968	12.00	17.15 <sup>a</sup>	16.50 <sup>a</sup>	18.35 <sup>a</sup>	17.92 <sup>a</sup>	15.66 <sup>a</sup>	19.73 <sup>a</sup>	18.87 <sup>a</sup>	17.11 <sup>a</sup>	16.53 <sup>a</sup>		16.82 <sup>a</sup>
1969	12.70 <sup>a</sup>		18.48 <sup>a</sup>	21.35 <sup>a</sup>		22.14 <sup>a</sup>		25.68 <sup>a</sup>		23.00 <sup>a</sup>		19.39 <sup>a</sup>
1970	20.80 <sup>a</sup>		21.29 <sup>a</sup>	21.35 <sup>a</sup>	20.23 <sup>a</sup>		21.52 <sup>a</sup>	21.37 <sup>a</sup>		17.68 <sup>a</sup>	16.18 <sup>a</sup>	
1971	17.66 <sup>a</sup>		21.30 <sup>a</sup>	20.20 <sup>a</sup>	21.53 <sup>a</sup>	19.22 <sup>a</sup>	21.59 <sup>a</sup>	23.06 <sup>a</sup>	17.69 <sup>a</sup>	19.65 <sup>a</sup>	22.14 <sup>a</sup>	18.37 <sup>a</sup>
1972	19.81 <sup>a</sup>	19.79 <sup>a</sup>		20.82 <sup>a</sup>	17.65 <sup>a</sup>	19.27 <sup>a</sup>		20.30 <sup>a</sup>		22.69 <sup>a</sup>	19.70 <sup>a</sup>	
1973	20.44		21.31	24.22	22.60	22.62	21.42	21.08		29.10	18.28	30.10
1974		12.06	20.64	23.11	24.80	22.98		20.96	14.75		10.66	10.93
1975	15.80		23.50 <sup>a</sup>	34.82 <sup>a</sup>		36.90 <sup>a</sup>					19.87 <sup>a</sup>	21.00 <sup>a</sup>
1976	29.25 <sup>a</sup>		39.35 <sup>a</sup>		10.77	22.13 <sup>a</sup>	24.21 <sup>a</sup>			24.35 <sup>a</sup>	14.18 <sup>a</sup>	25.80 <sup>a</sup>
1977	28.28 <sup>a</sup>	29.60 <sup>a</sup>										

REMARKS: Well discontinued, March 1977.

LOCAL NUMBER : 330  
 WELL NAME : Guánica 3  
 LATITUDE : 17°58'15"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 5 feet  
 OWNER : P.R. Aqueduct and Sewer Authority - U.S.G.S.  
 LONGITUDE : 66°54'38"  
 DEPTH : 115 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						0.35					0.00	
1967									2.25			
1968		1.27										
1969												
1970		-1.07										
1971		-0.96										

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 329  
 WELL NAME : Guánica 2  
 LATITUDE : 17°58'45"  
 DIAMETER : 13 inches

ELEVATION ABOVE MEAN SEA LEVEL: 15 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°15'41"  
 DEPTH : 85 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958								5.68			13.64 <sup>a</sup>	
1959			6.40	13.40 <sup>a</sup>		8.03	13.00 <sup>a</sup>	15.76 <sup>a</sup>	14.72 <sup>a</sup>	5.98	15.48 <sup>a</sup>	15.40 <sup>a</sup>
1960	18.90 <sup>a</sup>	16.95 <sup>a</sup>	18.30 <sup>a</sup>	19.00 <sup>a</sup>	14.00 <sup>a</sup>	5.14	14.90 <sup>a</sup>	15.33 <sup>a</sup>	13.50 <sup>a</sup>	12.80 <sup>a</sup>	14.30 <sup>a</sup>	12.79 <sup>a</sup>
1961	13.94 <sup>a</sup>	14.00 <sup>a</sup>	15.17 <sup>a</sup>	15.90 <sup>a</sup>	17.74 <sup>a</sup>	15.82 <sup>a</sup>	8.99 <sup>a</sup>	16.73 <sup>a</sup>	9.12 <sup>a</sup>	6.89 <sup>a</sup>	16.78 <sup>a</sup>	
1962	8.32 <sup>a</sup>	18.84 <sup>a</sup>	18.76 <sup>a</sup>	19.00 <sup>a</sup>	14.82 <sup>a</sup>	8.96 <sup>b</sup>	16.72 <sup>a</sup>	16.20 <sup>a</sup>	14.65 <sup>a</sup>	15.19 <sup>a</sup>	14.27 <sup>a</sup>	15.58 <sup>a</sup>
1963	15.59 <sup>a</sup>	16.72 <sup>a</sup>	18.85 <sup>a</sup>		20.58 <sup>a</sup>	11.59 <sup>a</sup>	16.97 <sup>a</sup>	18.66 <sup>a</sup>	14.74 <sup>a</sup>	14.84 <sup>a</sup>	8.50 <sup>a</sup>	4.84 <sup>a</sup>
1964	16.00 <sup>a</sup>	7.09 <sup>a</sup>	7.84 <sup>a</sup>	16.40 <sup>a</sup>	16.00 <sup>a</sup>	16.30 <sup>a</sup>	8.30 <sup>a</sup>	8.82 <sup>a</sup>	17.40 <sup>a</sup>	15.00 <sup>a</sup>	15.70 <sup>a</sup>	16.60 <sup>a</sup>
1965	17.40 <sup>a</sup>	17.50 <sup>a</sup>	20.40 <sup>a</sup>		21.70 <sup>a</sup>	15.09 <sup>a</sup>	20.58 <sup>a</sup>	9.88 <sup>a</sup>	9.44 <sup>a</sup>	9.63 <sup>a</sup>	8.83 <sup>a</sup>	
1966	7.29 <sup>a</sup>		13.38 <sup>a</sup>	9.89 <sup>a</sup>	10.46 <sup>a</sup>	10.70 <sup>a</sup>	10.28 <sup>a</sup>	8.40 <sup>a</sup>	16.65 <sup>a</sup>	17.32 <sup>a</sup>	17.32 <sup>a</sup>	15.67 <sup>a</sup>
1967	15.98 <sup>a</sup>	16.95 <sup>a</sup>	16.64 <sup>a</sup>	18.49 <sup>a</sup>	17.48 <sup>a</sup>	18.73 <sup>a</sup>	15.31 <sup>a</sup>	19.51 <sup>a</sup>	18.02 <sup>a</sup>	19.62 <sup>a</sup>	18.89 <sup>a</sup>	23.20 <sup>a</sup>
1968	16.19 <sup>a</sup>	14.04 <sup>a</sup>	17.34 <sup>a</sup>	17.87 <sup>a</sup>	19.09 <sup>a</sup>	20.94 <sup>a</sup>	19.62 <sup>a</sup>	18.65 <sup>a</sup>				

REMARKS: Well discontinued, October 1968.

LOCAL NUMBER : 331  
 WELL NAME : Guánica 4.  
 LATITUDE : 17°58'35"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 12 feet  
 OWNER : P.R. Department of Public Works- U.S.G.S.  
 LONGITUDE : 66°54'41"  
 DEPTH : 102 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						5.61					5.65	
1967									7.25			
1968		3.74										
1969												
1970		3.44										
1971		4.51										
1972		3.67										

LOCAL NUMBER : 336  
 WELL NAME : Tallaboa 2.  
 LATITUDE : 17°59'52"  
 DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 8 feet  
 OWNER : J.L. Valdivieso, U.S.G.S.  
 LONGITUDE : 66°43'51"  
 DEPTH : 112 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966						3.40					2.28	
1967		2.59							5.80			
1968		5.09						4.48				

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 327  
WELL NAME : Guayanilla 4  
LATITUDE : 17°59'22"  
DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 4 feet  
OWNER : Sucesión Lluveras - U.S.G.S.  
LONGITUDE : 66°48'15"  
DEPTH : 102 feet

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YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						1.80					1.15	
1967 :												
1968 :		1.00					3.40					
1969 :		2.55										

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LOCAL NUMBER : 338  
WELL NAME : Guayanilla 19  
LATITUDE : 17°59'25"  
DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 5 feet  
OWNER : Sucesión Lluveras - U.S.G.S.  
LONGITUDE : 66°48'26"  
DEPTH : 70 feet

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YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						4.30					2.90	

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LOCAL NUMBER : 339  
WELL NAME : Guayanilla 16  
LATITUDE : 17°59'21"  
DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 6 feet  
OWNER : Sucesión Lluveras - U.S.G.S.  
LONGITUDE : 66°48'36"  
DEPTH : 22 feet

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YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						5.60					4.25	

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LOCAL NUMBER : 340  
WELL NAME : Guayanilla 17  
LATITUDE : 17°59'09"  
DIAMETER : 3 inches

ELEVATION ABOVE MEAN SEA LEVEL: 10 feet  
OWNER : Sucesión Lluveras - U.S.G.S.  
LONGITUDE : 66°48'59"  
DEPTH : 147 feet

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YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1966 :						2.45						
1967 :												
1968 :		3.76										

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a pumping, b recently pumped, e estimated, h tape measurement, i lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 16  
 WELL NAME : Cnt.S. Francisco  
 LATITUDE : 17°59'22"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 29.6 feet  
 OWNER : Central Lliveras (San Francisco)  
 LONGITUDE : 66°49'58"  
 DEPTH : 185 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960											6.12	5.72
1961	5.51	5.70	6.82	8.06	7.62	7.69	7.98	8.91	6.37	6.06	6.04	6.81
1962	8.24	9.23	10.30	10.80	7.03	9.09	9.44	8.75	10.12	10.39	10.13	13.22
1963	15.70	16.03	13.61	14.73	14.82	14.15	16.73	6.46	5.51	5.89	4.73	9.72
1964	14.30	14.75	15.35	15.97	15.01	12.39	14.78	11.98	12.07	9.54	12.55	11.47
1965	15.64	15.27	15.82	14.99	12.88	9.08	4.73	8.41	8.36	4.84	4.39	
1966	9.06		10.81	11.13	11.70	9.13	9.42	9.29	18.54	14.11	8.15	5.94
1967	12.76	15.82	17.30	13.53	13.54	18.80	21.10	17.87				
1968	15.03	17.95	15.40	18.87	17.40	15.79	21.10	13.75	13.13	11.84	8.00	5.62
1969	5.40	9.08	6.91	8.82	19.92	18.56						
1970			8.82	19.25	18.56							
1971			9.54	9.59	11.50	7.12	10.72	13.70	6.41	6.70	6.88	
1972	8.91	14.39		10.90	11.53	15.60		18.43		20.14	7.37	18.67
1973			19.64	26.20	26.88	27.79	26.77	27.21		19.29	16.80	19.29
1974		22.19	19.54	23.14	23.09	23.38					20.95	
1975	29.90		35.76			22.05		22.81		6.14		
1976			8.43		8.90	10.28					7.89	11.37
1977	20.15	19.39		19.98		26.27		19.56	21.26	17.93	12.49	
1978	16.36		12.54	12.15	11.96	15.76	18.74	22.62	18.40	15.73	9.02	8.49
1979	8.27	12.10	16.57	13.88	14.86	5.28	7.58	7.42		5.33	4.43	5.00
1980	5.92	7.45	11.50	11.08	9.14		10.38	12.31	12.10	11.06	11.06	13.03
1981	13.09	10.00	14.35	10.19	11.67	7.10	13.41		5.67	4.60	6.45	4.90
1982	8.57	9.53	6.75	8.01	5.88	5.84	6.09	6.98	3.47	5.14	5.28	4.26
1983	5.14	5.57	5.37	5.58	4.43		5.64	6.57	6.56	6.23	6.15	6.30
1984	5.98	4.94	6.44	6.62	6.75	5.91	1.85	7.34	8.28	0.35	4.49	4.68
1985	6.80	6.18	7.39									

REMARKS: Well discontinued, April 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 341                      ELEVATION ABOVE MEAN SEA LEVEL: 14 feet  
 WELL NAME : Guayanilla 18.              DWNER : Sucesión Lluveras- U.S.G.S.  
 LATITUDE : 17°59'10"                    LONGITUDE : 66°49'12"  
 DIAMETER :     3 inches                  DEPTH : 45 feet

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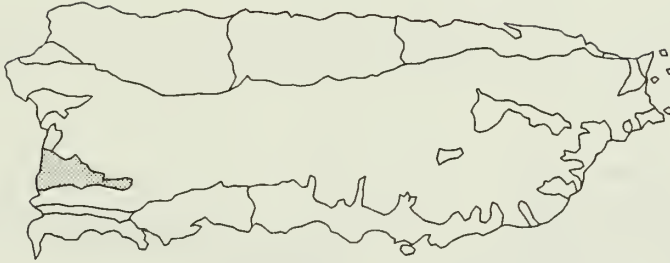
	MONTHS											
YEAR :	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NDV	DEC
1966 :						1.20						1.60

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a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



**WELLS IN THE  
WEST COAST PROVINCE  
Río Guanajibo Valley**



LOCAL NUMBER : 82  
WELL NAME : Cabo Rojo  
LATITUDE : 18°05'32"  
DIAMETER : 6 inches

ELEVATION ABOVE MEAN SEA LEVEL: 64 feet  
OWNER : U.S. Geological Survey  
LONGITUDE : 67°06'24"  
DEPTH : 300 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1967										11.3 <sup>j</sup>	11.1	12.2
1968	12.9	13.6	13.7	13.8	13.9	13.0	12.9	11.5	11.3	11.0	11.8	11.1
1969	12.3	13.1	13.4	13.6	13.2	12.5	12.8	11.9	10.4	10.9		11.1
1970	11.7	11.7	13.0	13.6	13.3	11.5	12.8	12.4	11.0	10.3	9.6	
1971		9.9	9.6		12.7	13.4	13.0	13.2	12.4	11.9	11.2	11.6 <sup>j</sup>
1972	12.6	13.0	13.2	13.5	13.2	13.9	13.0	13.4	13.5	12.4	10.8	11.3
1973	12.5	13.1	13.9	14.6	14.7	14.7	13.1	11.1	10.1	11.0	11.2	
1974	11.82	12.28	12.66	13.05	13.75	14.52	13.88	12.32	10.76	11.69	9.58	11.64
1975	13.14	13.62		14.05	14.53	14.29	14.45	13.03	11.31	9.45	9.71	10.78
1976	12.36	12.72	12.97	13.40	12.62	13.93	14.59	14.95	13.70	12.48	11.54	13.21
1977	14.21	15.06	15.69	15.84	16.07	16.53	16.43	15.00	12.84	12.45	11.21	13.00
1978	13.78	14.10 <sup>e</sup>	14.72	14.63	14.20	14.28	13.73	13.86	13.04	11.23	10.18	12.00
1979	13.82	14.26	14.61	15.85	15.35	12.25						

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 40  
 WELL NAME : Rosario  
 LATITUDE : 18°09'34"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 164 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°05'08"  
 DEPTH : 105 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960							11.31	12.25	11.44	11.84	11.01	11.99
1961	12.10	12.24	12.58	12.89	12.14	12.39	12.13	12.10	12.12	12.16	11.84	
1962	13.63	12.57	13.43	13.74	13.22	12.40	12.53	12.43	12.53	12.43	12.42	12.59
1963	12.76	13.51	12.77	13.49	12.31	12.25	12.24	11.50	11.67	11.59	13.21	13.10
1964	12.73	13.56	13.57	12.87	13.53	13.55	13.05	12.62	12.58	12.84	13.22	13.28
1965	12.75	13.65	13.68		12.71	12.59	13.73	12.24	12.77	11.44	10.76	12.54
1966	12.85	13.80	13.87	13.29	12.80	13.00	12.90	12.93	13.50	13.70	12.97	12.80
1967	12.73	12.85	13.81		13.04	13.93	13.55	13.33	13.20	13.14	13.36	14.34
1968	15.61	14.82	15.05	14.13	14.58	15.14	11.42	12.55	13.05	14.50		15.30
1969	14.25		15.13	14.61		15.62		15.05				13.86
1970	15.27		16.15	15.35	15.45		15.29	14.78	12.91			
1971			15.97		15.28		12.83	14.62	15.09	15.55	14.91	
1972												
1973					37.30							
1974			23.62	20.98	23.92	23.56		21.52	14.75		20.25	20.86
1975	20.73		19.44	21.48		17.08		19.90		17.53		16.05
1976	10.31		14.56		11.69	16.53	15.97	11.84	12.66	13.49	13.62	14.40
1977	14.23	14.25		10.77	11.17	16.85	10.40	11.50		12.06		
1978		15.84	16.65	16.10	14.18	11.40	12.73	13.78	13.72	11.71	12.99	13.26
1979	13.30	14.32	13.53	14.32	12.65	10.50	14.09	13.27		12.16	12.40	13.48
1980	15.06	14.23	13.25		15.67	15.25	10.63	13.47	14.55	13.12	13.86	14.53
1981	11.40	16.02	18.28	16.44	15.86	12.84	12.29	10.76	12.30	10.56	7.49	7.94
1982	20.97	15.04	3.40	11.18	11.26	13.65	12.83	6.62	12.99	13.54	12.62	14.23
1983	13.00	9.30	14.18	13.93	14.75	12.55	13.16	0.20	14.12	14.31	14.28	14.43
1984	14.43	14.71	14.74	14.84		12.52	13.80	14.25	11.30	11.07	13.62	13.92
1985	10.92											

REMARKS: Well discontinued, February 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

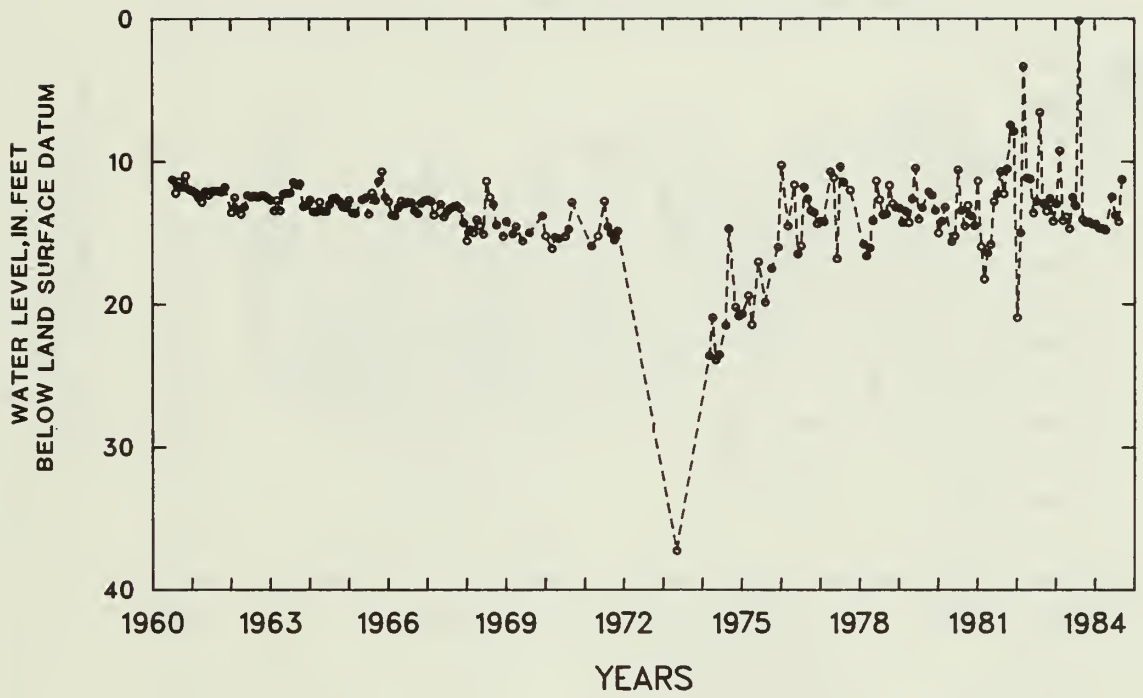


Figure 25.--Ground-water levels at Rosario,  
local number 40.

LOCAL NUMBER : 43                      ELEVATION ABOVE MEAN SEA LEVEL: 7 feet  
 WELL NAME : Central Rochelaise      OWNER : Mayagüez Sugar Co.  
 LATITUDE : 18°10'18"                  LONGITUDE : 67°09'17"  
 DIAMETER : 12 inches                  DEPTH : (80 feet above msl.)

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959								0.24				
1960										1.00	-0.12	0.77
1961	0.73	1.07	1.63	1.19	0.75	0.98	0.56	0.59	-0.13	0.66	-0.24	
1962	0.60	1.17	1.67	1.72	1.19	0.69	1.22	1.24	0.89	0.98	1.16	1.46
1963	1.81	1.78	1.36	1.29	1.31	0.50	0.46	0.04	0.37	0.00	0.53	0.87
1964	1.35	1.86	1.93	2.07	1.35	1.28	0.60	0.52	0.60	0.44	0.84	1.02
1965	1.84	2.15	2.28	2.39	1.49	0.82	0.64	0.05	0.56	-0.02	0.00	0.62
1966	1.27	2.00	2.22	2.02	1.24	1.45	1.11	1.05	0.80	0.75	0.69	1.12
1967	1.30	1.35	1.53	1.60	0.83	1.78	0.80	0.37	0.32	0.00	0.75	0.79
1968	1.43	2.18	2.62	2.70	1.93	0.30	-0.32	0.16	0.03	0.23		0.60
1969	0.70		1.49	2.03		1.08		-0.11				0.02
1970	-0.03		0.00	1.39	1.59		1.21	0.23	-0.28			
1971					0.03		-0.22	-0.15	-0.02	0.47		0.11
1972	0.75	0.68		0.54	0.48		0.55	0.48		-0.34		
1973	0.85		0.90		2.35	1.98	1.95	2.05		0.36		1.00
1974			0.76	1.24	1.38	1.41		0.64	0.10		0.00	1.03
1975	1.13		0.56	1.37		0.90		-0.12		-0.10	-0.10	0.00
1976	0.08		0.66		0.17		0.50	0.61	-0.24	-0.03	-0.10	0.00
1977	0.20	0.10		1.66	1.60	1.66		0.00	-0.18	0.00	-0.38	0.00
1978		-0.37	1.10	0.64	0.45	0.12	-0.21	-0.05	-0.07	-0.30	-0.40	-0.20
1979	0.46	0.56	1.10	1.57	0.58	-0.30	-0.27	-0.35		-0.47	-0.50	-0.37
1980	0.38	0.30	0.19		0.15	0.00	0.00	0.35	0.00		0.00	0.00
1981	0.00	0.00	-0.16	0.04	0.41	-0.36	0.00	0.00	0.00	0.00	0.00	0.00
1982	0.00	-0.05	-0.24	0.16	0.00	-0.13	0.00	-0.50	-0.49	-0.48	0.00	0.00
1983	0.00	0.00	-0.40	0.08	-0.20	0.00	0.00	0.00	0.00	-0.50	-0.53	-0.53
1984	-0.45	-0.55	-0.42	-0.47	0.22	-0.59	-0.24	0.53	-0.58	-0.60	-0.57	-0.57
1985	-0.40											

REMARKS: Well discontinued, February 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

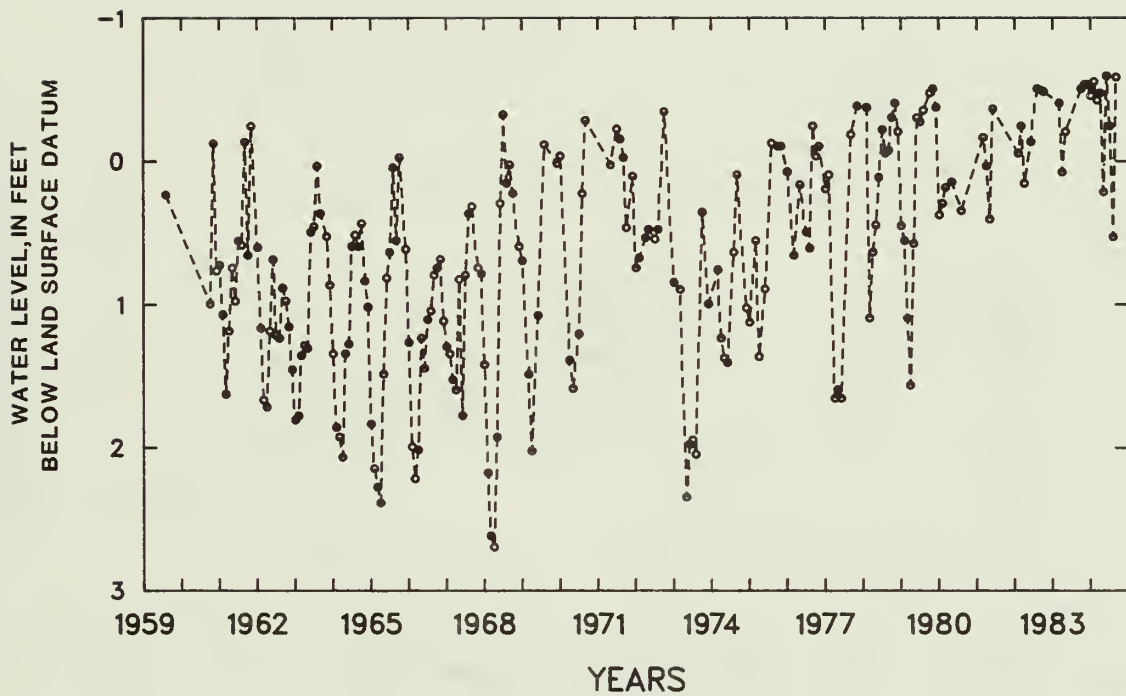
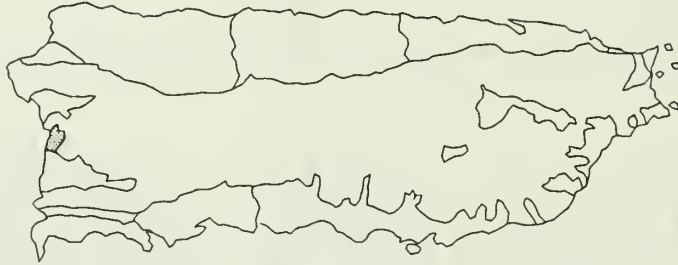


Figure 26.--Ground-water levels at Central Rochelaise, local number 43.

**WELLS IN THE  
WEST COAST PROVINCE  
Río Yagüez Valley**



LOCAL NUMBER : 44  
WELL NAME : Mayagüez  
LATITUDE : 18°12'24"  
DIAMETER : 4 inches

ELEVATION ABOVE MEAN SEA LEVEL : 13 feet  
OWNER : Frigorífico del Oeste  
LONGITUDE : 67°08'50"  
DEPTH : 156 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959					a							
1960										a	a	a
1961	10.65	11.49	9.46	9.19	9.82	11.28	9.94	11.38	10.90	11.02	11.36	
1962	11.44	10.99	10.69	10.98	13.17		15.42	14.04	11.48	11.03	9.75	6.50
1963	13.47	12.09	15.71	17.74	15.13	15.42	15.44	12.62	14.35	16.43	15.44	
1964		13.62	16.09	16.56	16.02	15.56	14.97	16.68		18.15		
1965	17.09		15.00	18.27		17.00	16.00	15.31	15.05	11.87	12.82	16.45
1966	19.90	16.57	15.43	14.31	12.52	15.35	18.00	19.03	18.56	18.60	16.35	19.68
1967	19.23	19.45										

REMARKS: Well discontinued, March 1967.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

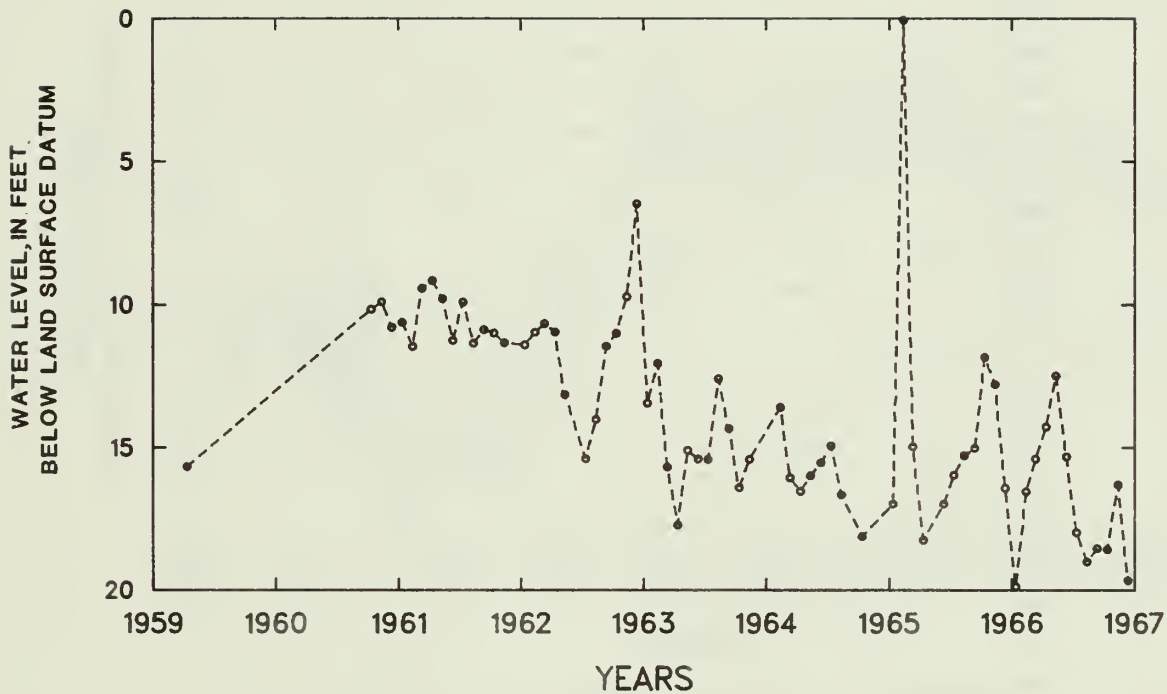


Figure 27.--Ground-water levels at Mayagüez, local number 44.

LOCAL NUMBER : 45  
 WELL NAME : Mayagüez, Well 1  
 LATITUDE : 18°12'33"  
 DIAMETER : 12 inches

ELEVATION ABOVE MEAN SEA LEVEL: 23 feet  
 OWNER : Cervecería India Inc.  
 LONGITUDE : 67°08'33"  
 DEPTH : 82 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960										20.23	20.35	19.65
1961	20.11	21.34	22.02	20.24	16.44	22.65	19.42	20.58	20.22	15.75	19.37	
1962	20.95	21.18	21.19	20.06	21.22	19.85	23.20	17.41	21.22	21.06	20.92	16.98
1963	20.50	17.52	22.65	25.41	23.64	25.47	23.02	15.58	20.54	24.90	20.55	23.45
1964	22.92	15.15	21.29	26.57	25.11	23.63	18.00	21.75	20.43	19.07	27.78	24.58
1965	29.46	23.32	26.14	28.62	28.56	27.69	24.50	24.65	26.00	24.42	20.94	23.23
1966	29.97	24.90	24.60	27.12	24.10	27.62	25.95	23.91	24.10	24.20	25.60	25.70
1967	25.65	25.73	26.77	26.63	22.37	21.20	21.00	26.12	21.80	26.86	26.30	27.36
1968	27.15	26.60	28.22	24.00	26.85	25.40	14.95	25.80	22.86	22.95		22.60
1969	22.40		23.35	20.04		20.74		15.28				18.37
1970	18.26		18.12	19.22	19.25		16.46					
1971			13.60		17.78		14.19	14.25	13.42	14.39	13.01	11.28
1972	14.10	9.50		12.91	12.09		14.13	12.31		10.38		
1973			14.33		13.03	12.80	13.17	11.90		12.49		13.55
1974			11.95	14.49	13.67	13.76		11.48	10.19		10.80	14.61
1975	13.19		12.30	14.10		13.22		11.83		10.64		11.60
1976	11.57		12.97	11.81	11.27	11.64	10.65	11.19	11.26	10.24	11.77	12.73
1977	11.73	13.44		12.45	12.95	14.12	12.25	11.30	9.41			11.98
1978	13.40	11.04	10.97	11.06	12.26	11.48	11.53	10.70	10.25	11.32	10.30	10.99
1979	11.46	13.22	13.82	10.87	12.92	12.62	13.19	13.75		12.87	11.74	12.00
1980	10.30	13.10	13.48	15.40	15.27			15.67	12.03	12.82	12.94	15.20
1981	12.95	13.02		12.88	12.32	11.94	11.60		14.58	13.17	13.90	
1982	14.48	15.02	13.10	13.58	12.78		14.22	13.60	11.37	12.14	12.63	12.86
1983	11.51	12.00	12.23	11.85	12.46	13.33	14.88	13.96	12.87	13.50	13.08	13.51
1984	13.33	13.39	13.11	14.51	15.00	15.18	14.17	13.81	13.45	12.81	11.83	13.60
1985	13.00											

REMARKS: Well discontinued, February 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



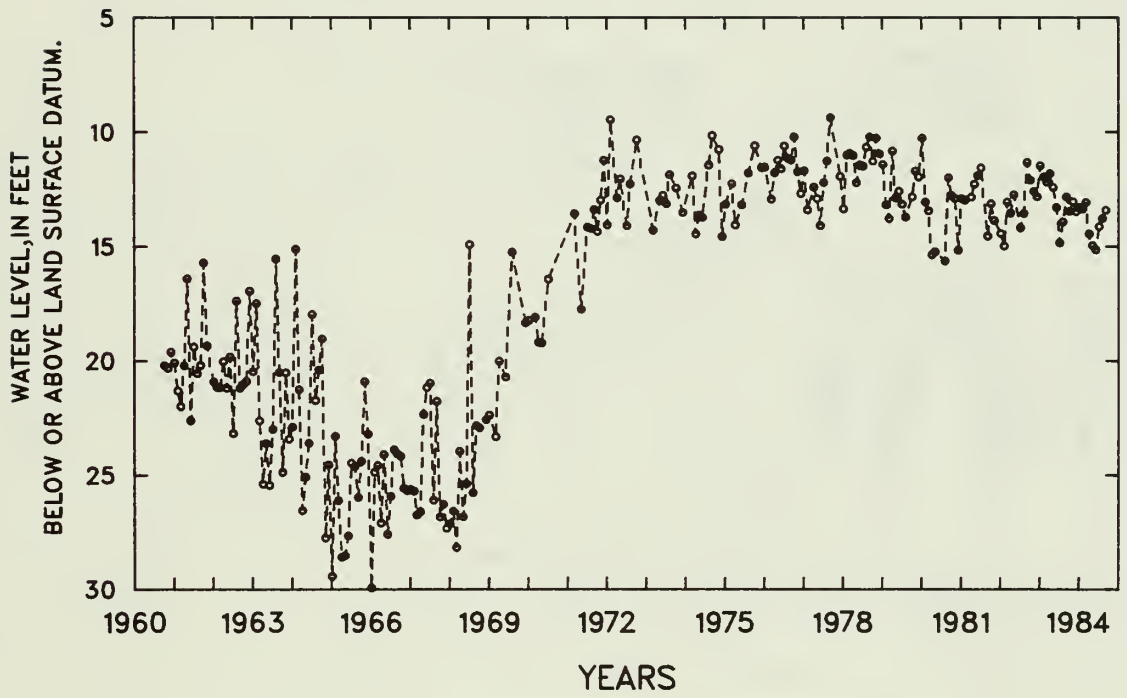
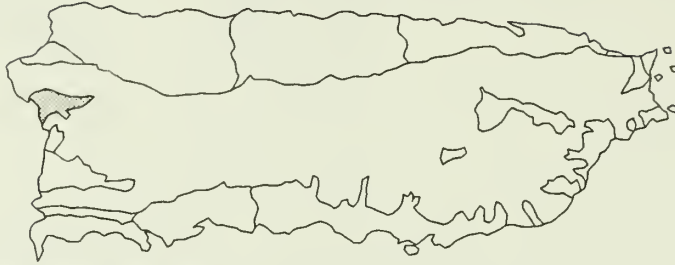


Figure 28.--Ground-water levels at Well 1 Mayagüez, local number 45.

**WELLS IN THE  
WEST COAST PROVINCE  
Río Grande de Añasco Valley**



LOCAL NUMBER : 53  
WELL NAME : Mayagüez Airport  
LATITUDE : 18°15'22"  
DIAMETER : 8 inches

ELEVATION ABOVE MEAN SEA LEVEL: 20 feet  
OWNER : P.R. Ports Authority  
LONGITUDE : 67°09'09"  
DEPTH : 353 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960										3.45	4.34	4.52
1961		4.52		5.48						3.03		
1962				7.84						4.24		
1963				7.92						2.18		3.20
1964				7.51						2.77		
1965				7.58			3.00			2.50		
1966			6.27	6.32					6.30	6.35		
1967			6.32	6.27	5.95	5.93	3.42	3.63	3.26	4.15	4.00	4.54
1968	5.30	6.74	7.28	7.43	6.47	3.80	2.48	2.58	2.60	3.42		3.30
1969	2.50		6.22	4.98		4.07		2.38				3.49
1970							5.34	3.58	2.15			
1971			6.78				4.25	3.17	2.84	2.22		1.64
1972								4.20		1.58		
1973	0.85		0.90		2.35	1.98	1.95	2.05		0.36		1.00
1974			0.76	1.24	1.38	1.41		0.64	0.10		-0.00	1.03
1975	1.13		0.56	1.37		0.90		-0.12		-0.10	-0.10	-0.00
1976	0.08		0.66		0.17		0.50	0.61	-0.24		2.31	3.10
1977	3.77	5.22		6.99	7.07	6.22	4.61		4.50	6.74	2.15	3.29
1978	5.30	4.30	5.56	5.83	5.48	4.76	2.90	2.87	2.25	0.96	2.26	3.48
1979	4.71	8.70	5.00	6.60	5.10	2.63	2.09	2.38		1.74	7.60	2.93
1980	4.35	4.64	5.27	5.59	4.90	2.66	2.49	2.83	2.12	1.45	2.58	3.54
1981	4.14	2.85		3.85	3.05	2.04	2.15		2.07	2.16	2.23	
1982	4.19	5.28	4.60	6.60	5.25		5.69	4.93	4.38	5.58	5.40	5.05
1983	5.90	5.10	5.48	5.85	5.42	3.88	4.63	2.10	2.00	2.62	2.07	2.78
1984	3.97	4.72	4.68	5.55	6.09	3.04	2.32	2.42	2.04	1.93		

REMARKS: Well discontinued, November 1984.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

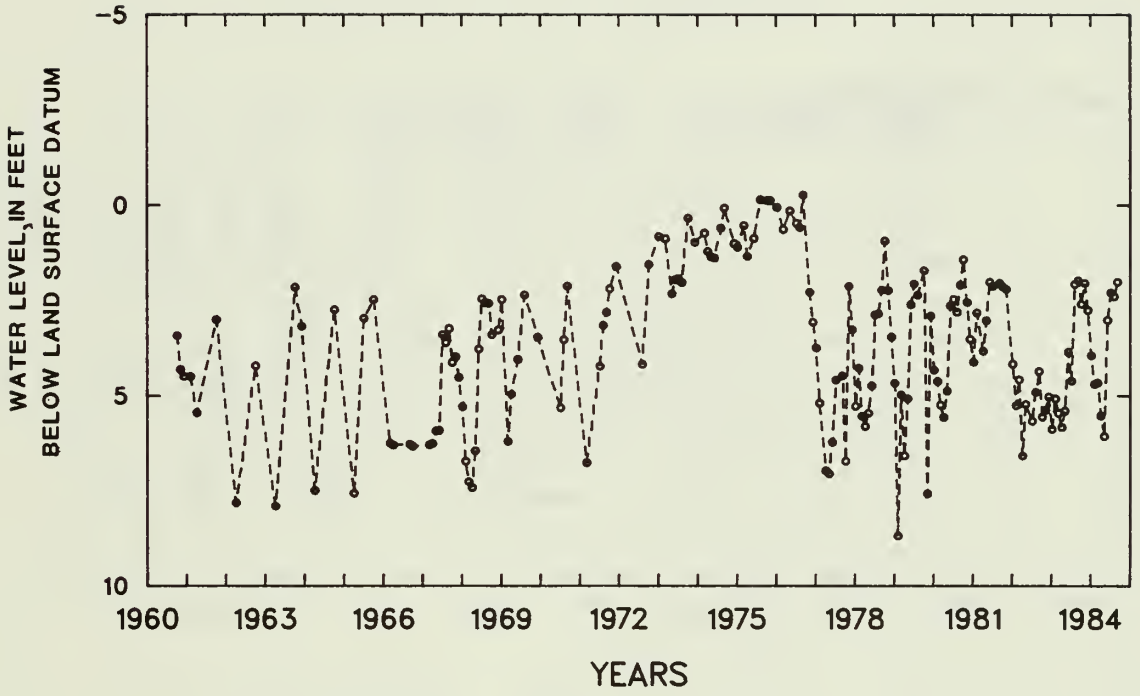
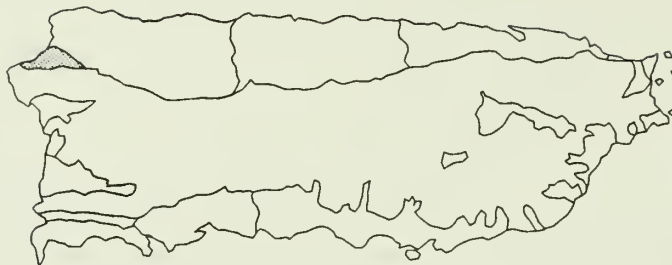


Figure 29.--Ground-water levels at Mayagüez Airport, local number 53.

**WELLS IN THE  
WEST COAST PROVINCE  
Río Culebrina Valley**



LOCAL NUMBER : 58  
WELL NAME : Aguada  
LATITUDE : 18°22'28"  
DIAMETER : 12-20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 30 feet  
OWNER : P.R. Aqueduct and Sewer Authority  
LONGITUDE : 67°11'33"  
DEPTH : 160 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960	3.12	2.98	4.32	3.83	1.18	1.44		1.53	1.47	1.77	54.62 <sup>b</sup>	20.81
1961	16.22	28.08	83.16 <sup>a</sup>	85.4 <sup>a</sup>	84.9 <sup>a</sup>	84.3 <sup>a</sup>	67.9 <sup>a</sup>	72.8 <sup>a</sup>	67.04 <sup>a</sup>	83.78 <sup>a</sup>	60.90 <sup>a</sup>	
1962	57.66	81.53 <sup>a</sup>	33.20	21.10	64.84 <sup>a</sup>	15.35	8.89	5.85	4.67 <sup>a</sup>	4.56	4.35	18.84
1963	12.91	9.77 <sup>a</sup>	28.35	60.85 <sup>a</sup>	29.54	29.48	16.48	25.65 <sup>a</sup>	72.85 <sup>a</sup>	47.61	83.66 <sup>a</sup>	43.75
1964	46.60 <sup>a</sup>	87.58 <sup>a</sup>	49.39 <sup>a</sup>	35.15	81.40 <sup>a</sup>	39.71	84.90 <sup>a</sup>	86.00 <sup>a</sup>	83.90 <sup>a</sup>	76.00 <sup>a</sup>	78.00 <sup>a</sup>	83.20 <sup>a</sup>
1965	72.80 <sup>a</sup>	79.30 <sup>a</sup>	68.30 <sup>a</sup>		51.65	29.78	12.40	8.17	6.67	5.73	5.60	4.47
1966	40.28 <sup>a</sup>	6.52	7.41	8.08	7.93	80.25 <sup>a</sup>	44.36	72.40 <sup>a</sup>	65.24	65.40	10.04	8.83
1967	10.22	10.30	8.15	8.00	8.33	12.41	7.39	3.91	3.34	4.12	4.36	5.64
1968	2.47	5.80	6.06	8.04	7.56	3.18	3.65	2.14	82.80 <sup>a</sup>	81.90 <sup>a</sup>		81.70 <sup>a</sup>
1969	6.90		11.70			16.27				89.00 <sup>a</sup>	49.43	
1970		84.12 <sup>a</sup>										
1971					84.85 <sup>a</sup>		66.04 <sup>a</sup>	71.03 <sup>a</sup>	70.81 <sup>a</sup>	62.32	60.17 <sup>a</sup>	
1972	44.15	66.53 <sup>a</sup>		28.85	29.58		30.82	51.35		82.10 <sup>a</sup>	71.70 <sup>a</sup>	
1973					62.98	47.54 <sup>a</sup>		53.03 <sup>a</sup>				
1974			3.52	4.18	82.23 <sup>a</sup>	82.42 <sup>a</sup>		83.53 <sup>a</sup>	7.56		10.29	3.56
1975	3.17		2.46	2.90		1.20		-0.30	-0.81	-0.85		-0.30
1976	0.44		3.49	3.31	2.22	0.92	0.81	2.27	0.80	0.88	1.80	3.04
1977	3.65	3.45	4.00	4.35	4.57	3.70	1.10	0.80	0.58	0.64	0.50	0.93
1978	2.50	2.25	2.83	2.97	2.22	1.10	0.08		0.35	-0.02	1.17	
1979	3.28										0.75	1.18
1980	2.44	2.20		3.94	2.37	0.85	-0.12	0.50	-0.09		0.38	1.59
1981	1.89	1.61	2.27	2.29	1.89	-0.23	0.05	0.20	0.40	0.38	-0.08	0.34
1982	0.01	0.58	1.78	2.35	0.49	0.26	-0.09	0.11	-0.12	0.40	0.27	1.34
1983	1.20	2.20	3.05	3.83	1.80	0.89	1.35	1.58	0.58	0.38	0.70	1.64
1984	2.49	2.90	2.13	2.76	3.33	1.55	0.12	1.24	1.11			

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

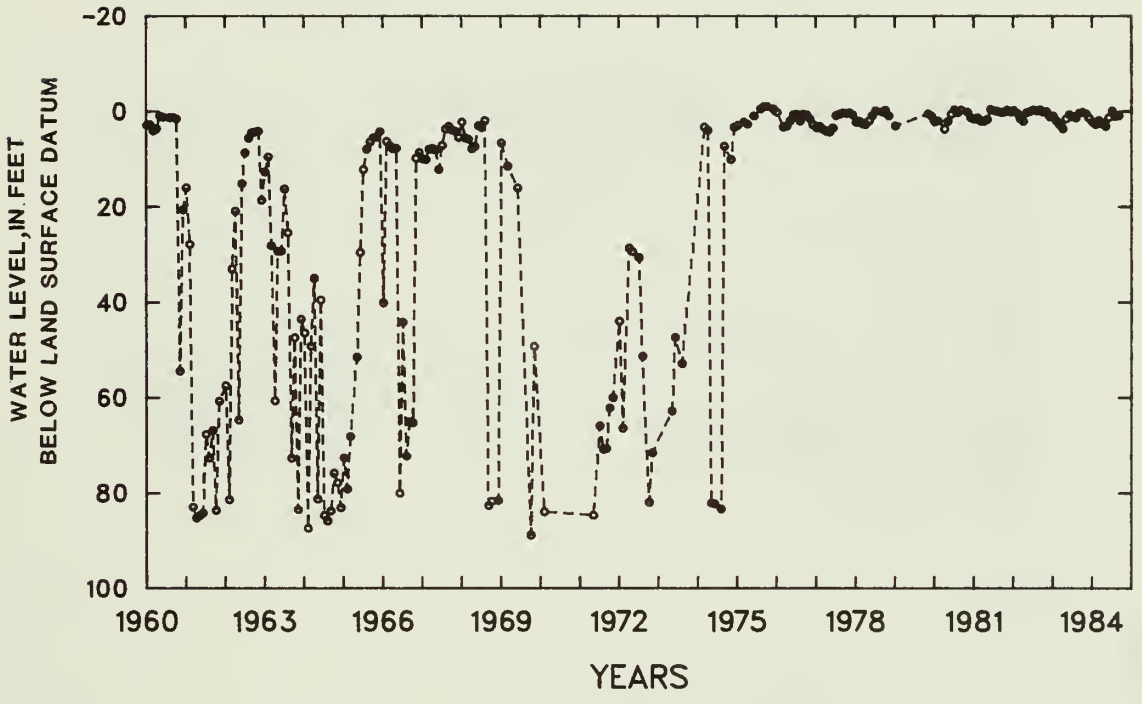
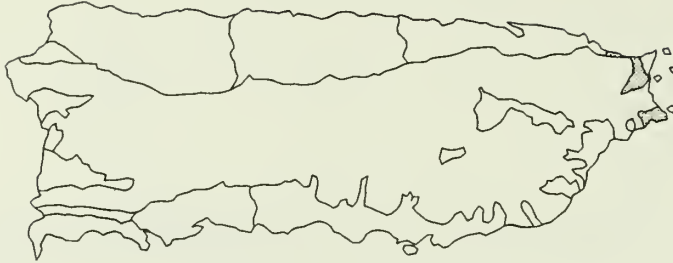


Figure 30.--Ground-water levels at Aguada, local number 58.

**WELLS IN THE  
EAST COAST PROVINCE  
Fajardo**



LOCAL NUMBER : 46  
WELL NAME : Daguao  
LATITUDE : 18°13'38"  
DIAMETER : 8 inches

ELEVATION ABOVE MEAN SEA LEVEL: 60 feet  
OWNER : P.R. Water Resources Authority.  
LONGITUDE : 65°40'57"  
DEPTH : 118 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961						4.09			3.68	2.48	2.97	1.83
1962	2.42	2.36	3.39	3.25	3.08	1.89	2.31	2.58	1.70	1.93	2.05	2.50
1963	2.80	2.70	3.78	2.78	3.02	3.05	3.34	3.07	2.31	3.56	3.64	3.03
1964	3.34	4.35	5.60		5.67	6.33		5.38	5.44	5.58	5.41	4.49
1965	5.17	5.23	5.69									

REMARKS: Well destroyed, March 1965.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

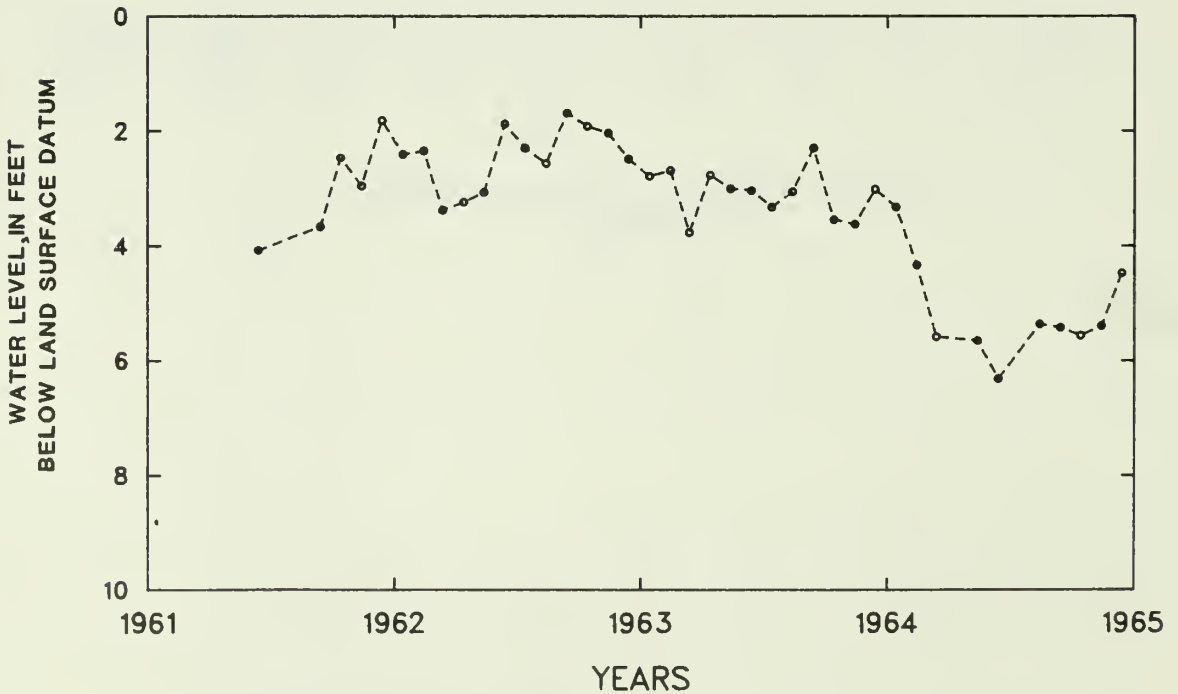
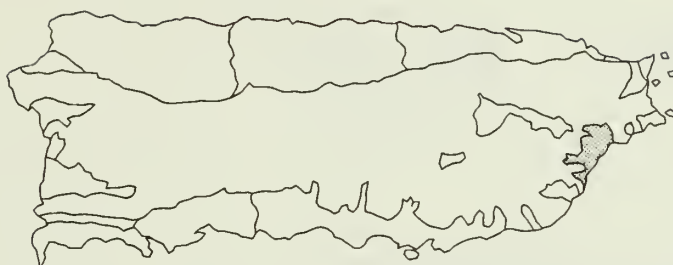


Figure 31.--Ground-water levels at Daguao,  
local number 46.

**WELLS IN THE  
EAST COAST PROVINCE  
Naguabo-Humacao**



LOCAL NUMBER : 172                      ELEVATION ABOVE MEAN SEA LEVEL: 57.40 feet  
WELL NAME : Río Humacao GW Sta.      OWNER : U.S.G.S., City of Humacao  
LATITUDE : 18°08'50"                      LONGITUDE : 65°49'37"  
DIAMETER : 2-4 inches                      DEPTH : 43 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1983 :											17.70	17.76
1984 :	17.71	17.84	18.03	18.17	18.22	17.70	17.37	17.49	17.24	17.16	17.25	17.63
1985 :	17.73	18.01	17.95	17.97	18.07	17.95	WELL DISCONTINUED.					

REMARKS: Well discontinued, July, 1985.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

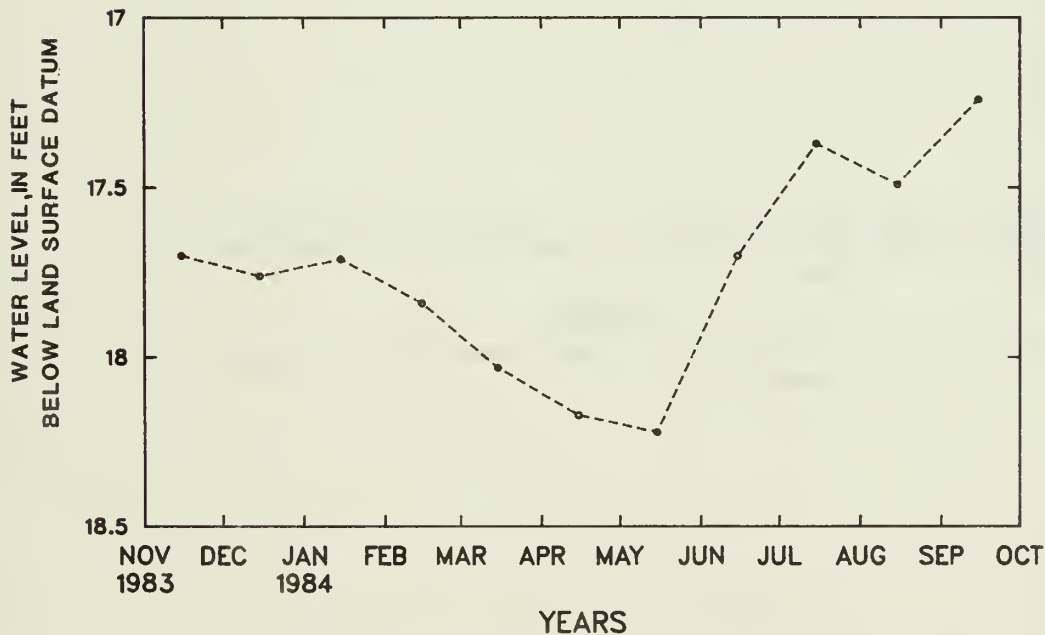


Figure 32.--Ground-water levels at Río Humacao Ground Water Station, local number 172.

LOCAL NUMBER : 173                      ELEVATION ABOVE MEAN SEA LEVEL: 21.00 feet  
 WELL NAME : Squibb Obs. well 3      OWNER : Squibb Manufacturing, Inc.  
 LATITUDE : 18°09'08"                  LONGITUDE : 65°47'50"  
 DIAMETER : 10 inches                  DEPTH : 110 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1983										7.07	7.82	7.84
1984	5.98	8.23	9.78	10.29	10.42	9.53	8.07	7.05	6.86	6.41	6.42	5.81
1985	9.35	10.23	9.85	WELL DISCONTINUED.								

REMARKS: Well discontinued, April, 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded n nearby pumping well

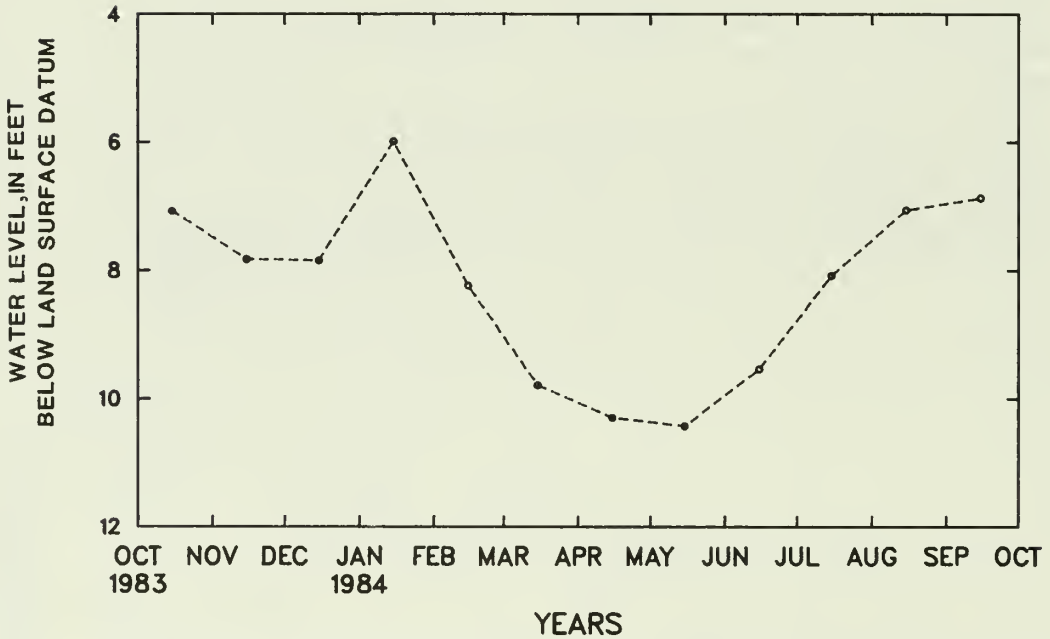


Figure 33.--Ground-water levels at Squibb Observation well number 3, local number 173.

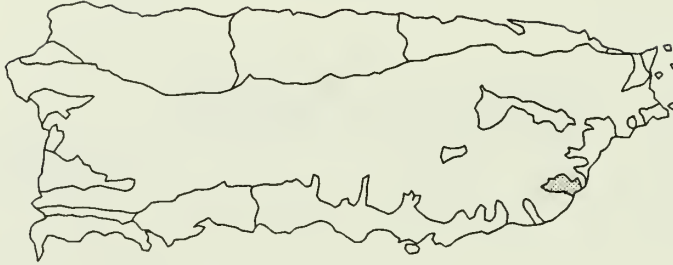


LOCAL NUMBER : 171                      ELEVATION ABOVE MEAN SEA LEVEL: 19.10 feet  
 WELL NAME : Arroyo Well No. 1        OWNER : Carlos Arroyo and Roberto Ramírez  
 LATITUDE : 18°12'17"                  LONGITUDE : 65°45'30"  
 DIAMETER : 4-2 inches                  DEPTH : 32 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1983 :										9.08	8.99	8.97
1984 :	9.14	9.07	9.90	10.59	10.86	10.30	9.64	9.84	8.91	8.50	7.97	8.62
1985 :	9.06	9.48	9.04	9.09	8.80	9.59						

REMARKS: Well discontinued, July 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

**WELLS IN THE  
EAST COAST PROVINCE  
Yabucoa**



LOCAL NUMBER : 95  
WELL NAME : Yabucoa 10 or TWS  
LATITUDE : 18°03'27"  
DIAMETER : 6 inches

ELEVATION ABOVE MEAN SEA LEVEL: 26 feet  
OWNER : P.R. Aqueduct and Sewer Authority  
LONGITUDE : 65°51'53"  
DEPTH : 120 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1978 :				13.75	13.35	15.38	15.10	16.20	16.08	15.40	12.01	14.46
1979 :	15.75	14.41	17.42	17.97	18.29	12.83	11.65	13.82	15.36	12.69	13.25	13.40
1980 :	14.82	16.18	16.46	17.48	17.04	16.02 <sup>e</sup>	17.60 <sup>e</sup>	18.43	19.32	19.06	17.28	17.24
1981 :	17.25	14.82	13.93	16.17	15.84	10.92	10.19	10.77	12.72	13.00	12.87	12.50
1982 :	10.94	12.04	11.98	12.23	12.19	12.28	12.24	11.69	11.40 <sup>e</sup>	11.70 <sup>e</sup>	12.17	10.68
1983 :	11.05	11.95 <sup>e</sup>	12.75 <sup>e</sup>	12.65 <sup>e</sup>	11.48							

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

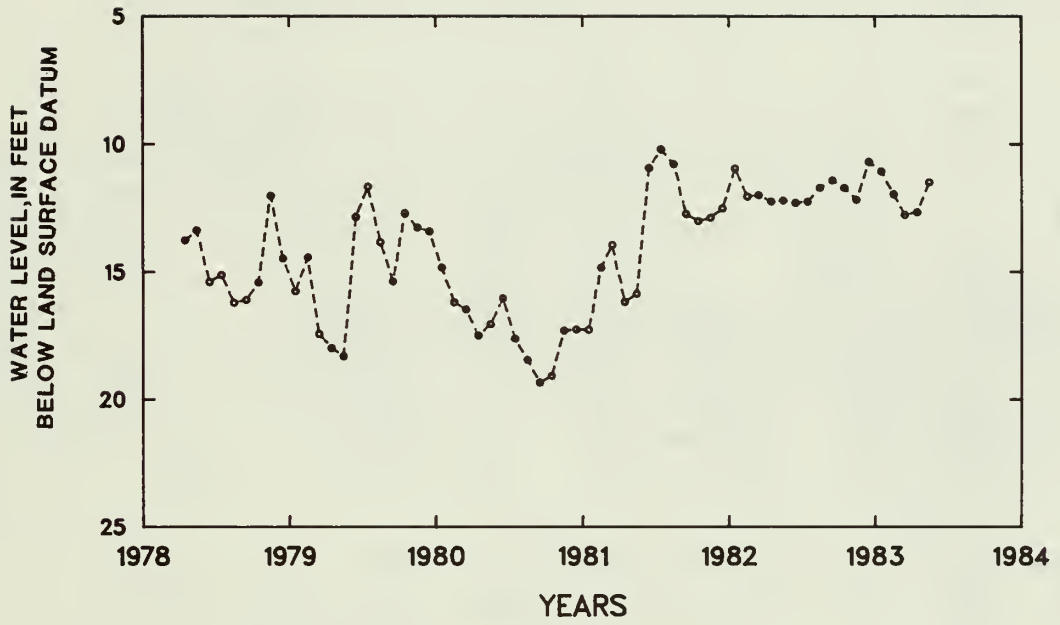


Figure 34.--Ground-water levels at Yabucoa Number 10 or TW5, local number 95.

LOCAL NUMBER : 31  
 WELL NAME : Central Roig  
 LATITUDE : 18°03'44"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 41 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 65°52'30"  
 DEPTH : 125 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959						10.52			8.64	13.48 <sup>a</sup>	7.10	5.90
1960	9.44	13.48	20.70 <sup>a</sup>	15.79	19.86	19.53	22.19	12.11	5.86	6.88	7.16	6.72
1961	16.16		22.36 <sup>a</sup>	22.00	28.53 <sup>a</sup>	23.49 <sup>a</sup>	10.93	9.58	7.70	6.77	7.83	12.51 <sup>a</sup>
1962	7.15	17.30	29.65 <sup>a</sup>	31.78 <sup>a</sup>	35.35 <sup>a</sup>	35.71 <sup>a</sup>	29.39	16.98 <sup>a</sup>	12.65 <sup>a</sup>	10.00	13.00 <sup>a</sup>	14.10 <sup>a</sup>
1963	8.70 <sup>a</sup>	31.30 <sup>a</sup>	33.22 <sup>a</sup>	37.60 <sup>a</sup>	33.06 <sup>a</sup>	43.50 <sup>a</sup>	33.76 <sup>a</sup>	34.18 <sup>a</sup>	24.10 <sup>a</sup>	21.87 <sup>a</sup>	23.81 <sup>a</sup>	38.20 <sup>a</sup>
1964	23.44 <sup>a</sup>	37.30 <sup>a</sup>	38.83 <sup>a</sup>	41.97 <sup>a</sup>	41.63 <sup>a</sup>	44.89 <sup>a</sup>	25.90 <sup>a</sup>	23.38 <sup>a</sup>	23.72 <sup>a</sup>	20.57 <sup>a</sup>	22.07 <sup>a</sup>	23.70 <sup>a</sup>
1965	27.39 <sup>a</sup>	42.31 <sup>a</sup>	43.41 <sup>a</sup>	46.42	46.23	46.08	33.07		35.58 <sup>a</sup>	36.56 <sup>a</sup>		35.25 <sup>a</sup>
1966	37.97	37.49										23.33 <sup>b</sup>
1967	16.90	33.25	32.67	41.13	43.35	24.21	20.65	31.07 <sup>a</sup>	20.27			
1968	21.30	35.20	36.53	38.70	46.88 <sup>a</sup>	23.99 <sup>a</sup>	20.11	15.95	16.13	15.88		13.83
1969	13.78		34.04 <sup>a</sup>	33.62 <sup>a</sup>		24.74 <sup>a</sup>		13.63 <sup>a</sup>	13.00 <sup>a</sup>	15.04		
1970	30.82 <sup>a</sup>		42.87 <sup>a</sup>	35.80 <sup>a</sup>	44.87 <sup>a</sup>		29.86 <sup>a</sup>	27.37 <sup>a</sup>	24.78 <sup>a</sup>			15.65
1971	37.80		40.78	46.93	47.75		27.56	27.52	15.46		17.18	
1972	21.01											
1973	16.06		38.65	34.20	44.96	42.88	44.27	31.68				
1974												
1975				38.77 <sup>a</sup>		42.33		29.49 <sup>a</sup>	29.30 <sup>a</sup>	24.60 <sup>a</sup>		
1976	25.82 <sup>a</sup>	27.11 <sup>a</sup>	38.49 <sup>a</sup>			40.56 <sup>a</sup>	32.34 <sup>a</sup>		33.21 <sup>a</sup>	18.20 <sup>a</sup>	20.60 <sup>a</sup>	21.70 <sup>a</sup>
1977		32.62 <sup>a</sup>	25.78	43.24	34.77 <sup>a</sup>		50.57 <sup>a</sup>	47.67 <sup>a</sup>	39.94 <sup>a</sup>			
1978										37.22 <sup>a</sup>	34.07 <sup>a</sup>	
1979	40.47 <sup>a</sup>		44.66 <sup>a</sup>	47.83 <sup>a</sup>	42.63 <sup>a</sup>	35.82 <sup>a</sup>		33.14 <sup>a</sup>		29.46 <sup>a</sup>	30.80 <sup>a</sup>	30.91 <sup>a</sup>
1980			46.62 <sup>a</sup>	45.84 <sup>a</sup>	48.76 <sup>a</sup>	24.51 <sup>a</sup>	37.35 <sup>a</sup>	36.94 <sup>a</sup>	43.49 <sup>a</sup>	42.81 <sup>a</sup>	41.39 <sup>a</sup>	44.99 <sup>a</sup>
1981	44.29 <sup>a</sup>	40.99 <sup>a</sup>	43.98 <sup>a</sup>	46.03 <sup>a</sup>	43.58 <sup>a</sup>	34.92 <sup>a</sup>	31.36 <sup>a</sup>	33.63 <sup>a</sup>		36.17 <sup>a</sup>	35.80 <sup>a</sup>	29.60 <sup>a</sup>
1982	35.08 <sup>a</sup>	33.32 <sup>a</sup>	30.19 <sup>a</sup>	34.65 <sup>a</sup>	35.24 <sup>a</sup>	30.90 <sup>a</sup>	36.55 <sup>a</sup>	23.07 <sup>a</sup>	18.55 <sup>a</sup>		35.44 <sup>a</sup>	33.25 <sup>a</sup>
1983	45.88 <sup>a</sup>	38.75 <sup>a</sup>	43.20 <sup>a</sup>	44.17 <sup>a</sup>	44.25 <sup>a</sup>	40.10 <sup>a</sup>	38.70 <sup>a</sup>	38.46 <sup>a</sup>	34.48 <sup>a</sup>	34.98 <sup>a</sup>	33.77 <sup>a</sup>	33.91 <sup>a</sup>
1984	34.81 <sup>a</sup>	34.91 <sup>a</sup>	38.54 <sup>a</sup>	36.97 <sup>a</sup>	35.93 <sup>a</sup>	32.84 <sup>a</sup>	27.10 <sup>a</sup>	40.25 <sup>a</sup>	40.60 <sup>a</sup>	39.43 <sup>a</sup>	35.02 <sup>a</sup>	35.63 <sup>a</sup>
1985	30.95	28.28	28.40									

REMARKS: Well discontinued, April 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

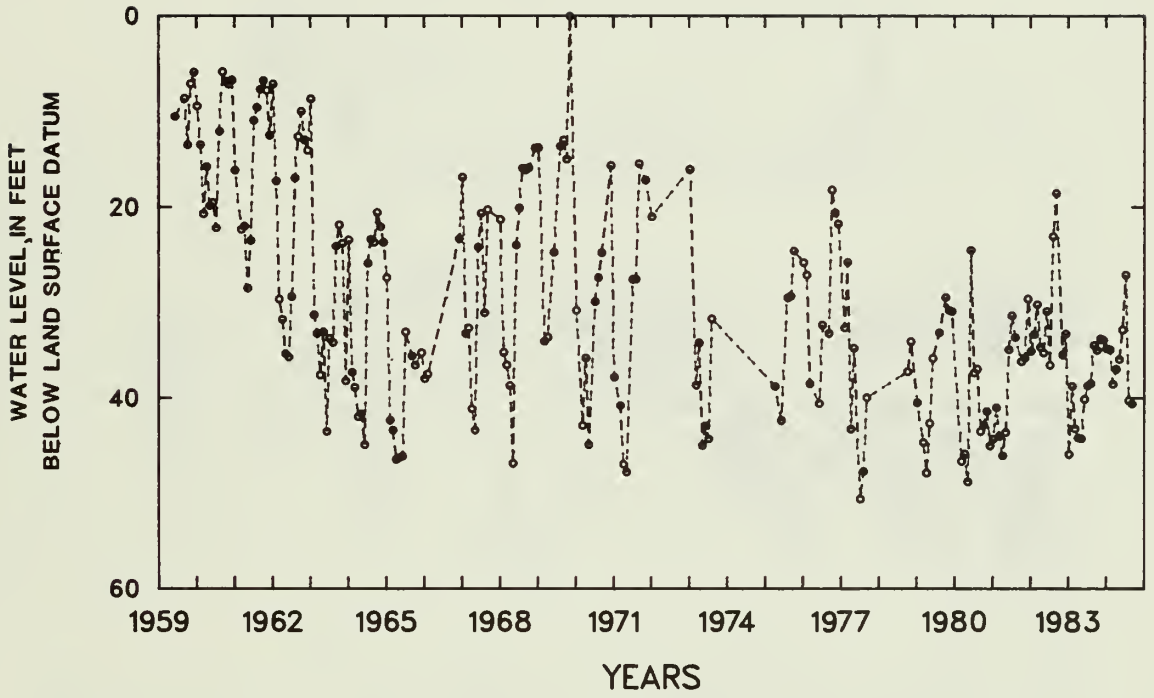
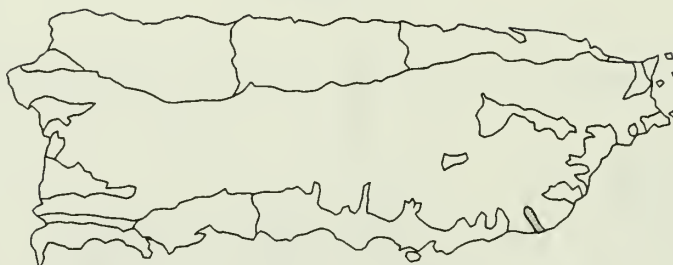


Figure 35.--Ground-water levels at Central Roig, local number 31.

**WELLS IN THE  
EAST COAST PROVINCE  
Maunabo**



LOCAL NUMBER : 122                      ELEVATION ABOVE MEAN SEA LEVEL: 28.5 feet  
WELL NAME : Maunabo Calzada            OWNER : P.R. Aqueduct and Sewer Authority  
LATITUDE : 18°00'26"                    LONGITUDE : 66°54'43"  
DIAMETER : 4 inches                      DEPTH : 70 feet

YEAR	MONTHS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1971													4.71
1972	4.92	5.27	5.56	8.63	5.74	5.76	5.26	6.49	4.97	4.27	4.62		4.38
1973								4.07					5.65
1974									6.29				
1975	4.33		5.08	10.56		8.94		6.84		3.57			
1976	3.50	4.29	3.27	3.60	4.11	4.34	2.24	5.43	4.40	6.06	5.52		6.35
1977	5.77	10.40	11.08	9.24	11.56			12.38	11.23				
1978		9.18	9.80	8.83		8.70	5.46	3.50	4.09	6.66	6.19		
1979	4.67	5.45	5.71	6.03		6.55		7.29		4.90	5.99		5.75
1980			9.39	6.39	5.80	8.02	9.84	6.79	9.87	7.64	9.39		10.05
1981	7.69	6.21	10.46	11.13	10.85	9.16	8.77	8.70	8.20	8.40	8.65		5.90
1982	8.08	8.40	9.01	9.02	8.37	8.38	9.47	10.50	9.50		7.02 <sup>n</sup>		9.17 <sup>n</sup>
1983	9.09 <sup>n</sup>	10.04 <sup>n</sup>	10.90 <sup>n</sup>	11.55 <sup>n</sup>	11.22 <sup>n</sup>	7.94 <sup>n</sup>	8.19 <sup>n</sup>	8.72 <sup>n</sup>	8.32 <sup>n</sup>	8.90 <sup>n</sup>	8.78 <sup>n</sup>		9.42 <sup>n</sup>
1984	9.14 <sup>n</sup>	10.10 <sup>n</sup>	10.10 <sup>n</sup>	10.60 <sup>n</sup>	11.33 <sup>n</sup>	8.13 <sup>n</sup>	10.45 <sup>n</sup>	10.79 <sup>n</sup>	7.83 <sup>n</sup>	6.10 <sup>n</sup>	7.11 <sup>n</sup>		7.69 <sup>n</sup>
1985	8.91 <sup>n</sup>	9.73 <sup>n</sup>	9.32 <sup>n</sup>										

REMARKS: Well discontinued, April 1985.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

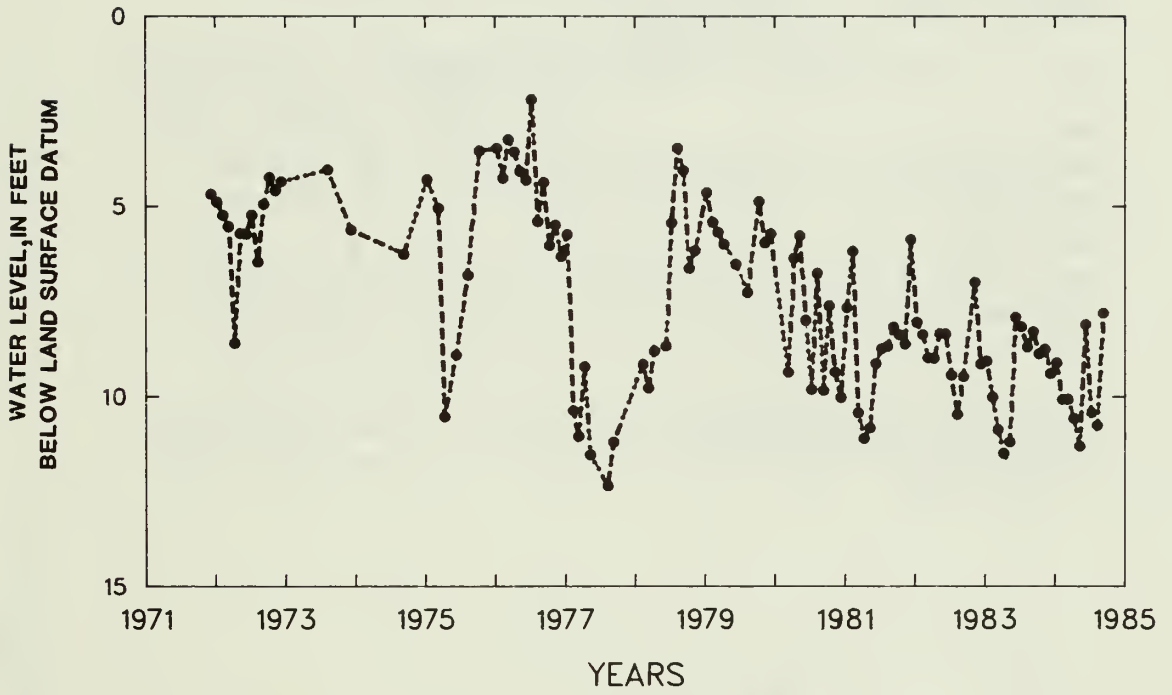


Figure 36.--Ground-water levels at Maunabo Calzada, local number 122.

LOCAL NUMBER : 4  
 WELL NAME : Guardarraya  
 LATITUDE : 17°58'41"  
 DIAMETER : 12 inches

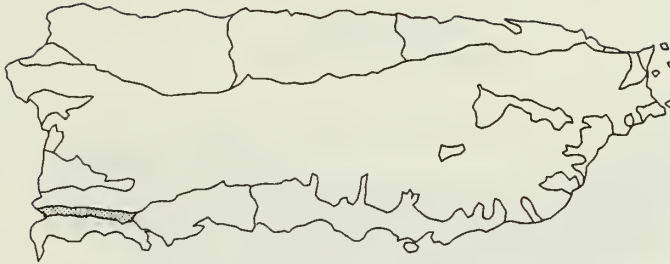
ELEVATION ABOVE MEAN SEA LEVEL: 33 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 65°56'13"  
 DEPTH : 100 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									29.27 <sup>b</sup>	35.22 <sup>a</sup>	34.92 <sup>a</sup>	35.28 <sup>a</sup>
1960	35.72 <sup>a</sup>	35.98 <sup>a</sup>	37.33 <sup>a</sup>	37.73 <sup>a</sup>	34.84 <sup>a</sup>	34.78 <sup>a</sup>	34.14 <sup>a</sup>	26.81	30.81 <sup>a</sup>	23.60	35.53 <sup>a</sup>	20.22
1961	29.65		29.92	39.26 <sup>a</sup>	37.86 <sup>a</sup>	38.39 <sup>a</sup>	28.20	28.69	24.78	24.87	24.78	27.79
1962	28.26	29.03	28.74	29.10	29.58	29.35	28.16	28.32	26.72	27.87	27.70	29.14
1963	28.82	29.14	29.36	29.36	29.73	29.40	29.37	29.42	28.62	28.03	29.16	31.78
1964	28.53	29.07	29.27	29.63	29.72	29.85	28.99	29.18	28.21	27.55	28.03	28.91
1965	29.56	29.49	29.76 <sup>b</sup>	29.78 <sup>b</sup>	29.73	29.67		28.47 <sup>b</sup>	26.18 <sup>b</sup>	25.71 <sup>b</sup>	25.22	25.43
1966	28.69	30.17	29.65	30.43			29.31		28.78	26.28	27.79	

REMARKS: Well discontinued, December, 1966.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



**WELLS IN THE  
LAJAS VALLEY**



LOCAL NUMBER : 143                      ELEVATION ABOVE MEAN SEA LEVEL: 52.5 feet  
 WELL NAME : Vivoni, Hac. Amistad      OWNER : Pedro P. Vivoni  
 LATITUDE : 18°01'32"                      LONGITUDE : 67°03'38"  
 DIAMETER : 12 inches                      DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981												38.76
1982	38.68	38.80	38.90	39.12	39.13	39.23	39.22	39.26	39.24	38.92	38.80	38.62
1983	38.92	39.20	39.27	39.34	39.24	38.99	39.10	39.19	39.32	39.40	39.04	38.92
1984	38.97	38.95	39.27	39.54	39.60	39.70	39.70	39.54	39.52	39.10	38.81	38.61
1985	38.90	39.09	39.26	39.35	39.44	39.45	39.57	39.62	39.59			

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

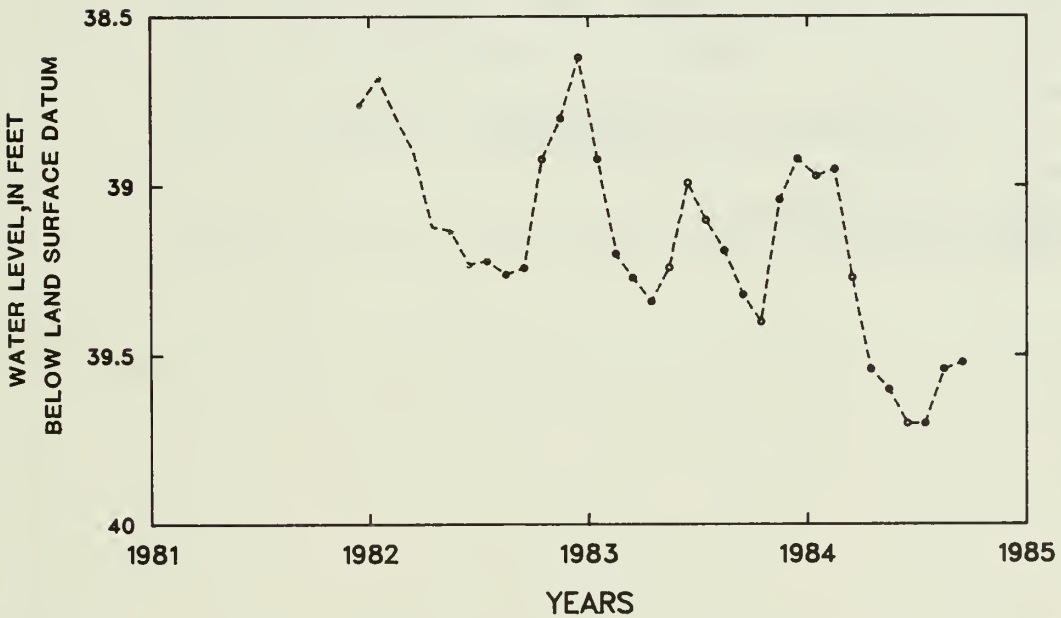
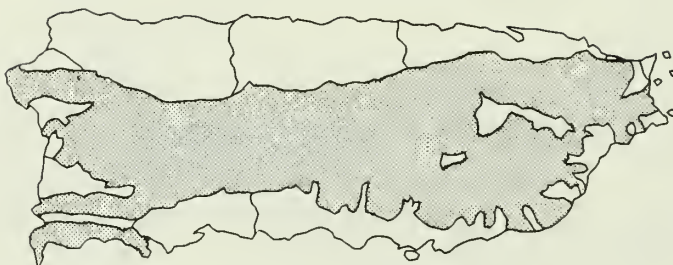


Figure 37.--Ground-water levels at Vivoni, Hacienda Amistad, local number 143.

**WELLS IN THE  
INTERIOR PROVINCE**



LOCAL NUMBER : 5	ELEVATION ABOVE MEAN SEA LEVEL: 38 feet
WELL NAME : Cuatro Calles	OWNER : P.R. Aqueduct and Sewer Authority
LATITUDE : 17°58'22"	LONGITUDE : 66°03'33"
DIAMETER : 13-16 inches	DEPTH : 130 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									13.66	13.13	12.00	12.87
1960	10.74	12.48	16.84	17.50	17.21	14.10	13.04	11.61	9.78	10.90	9.89	9.40
1961	10.65	10.26	13.53	17.13	18.14	18.40	12.80	12.52	8.44	11.18	9.33	11.21
1962	11.68	11.53	14.25	15.71	11.17	16.04	11.66	12.03	11.03	11.14	11.74	12.14
1963	14.23	15.10	16.92	18.00	12.30	15.54	16.68	12.85	12.41	10.95	11.07	10.92
1964	10.96	16.54	16.64	14.77	17.19	19.08	15.28	16.84	15.12	14.35	13.76	14.99
1965	16.45	16.36			16.22	16.13	16.78	16.07	12.22	12.08	11.79	12.11
1966	12.56	12.61	13.09	12.97	13.54	16.02	13.58	12.53	14.64	14.59	15.10	10.84
1967	13.70	17.73	19.12									

REMARKS: Well destroyed, April 1967.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

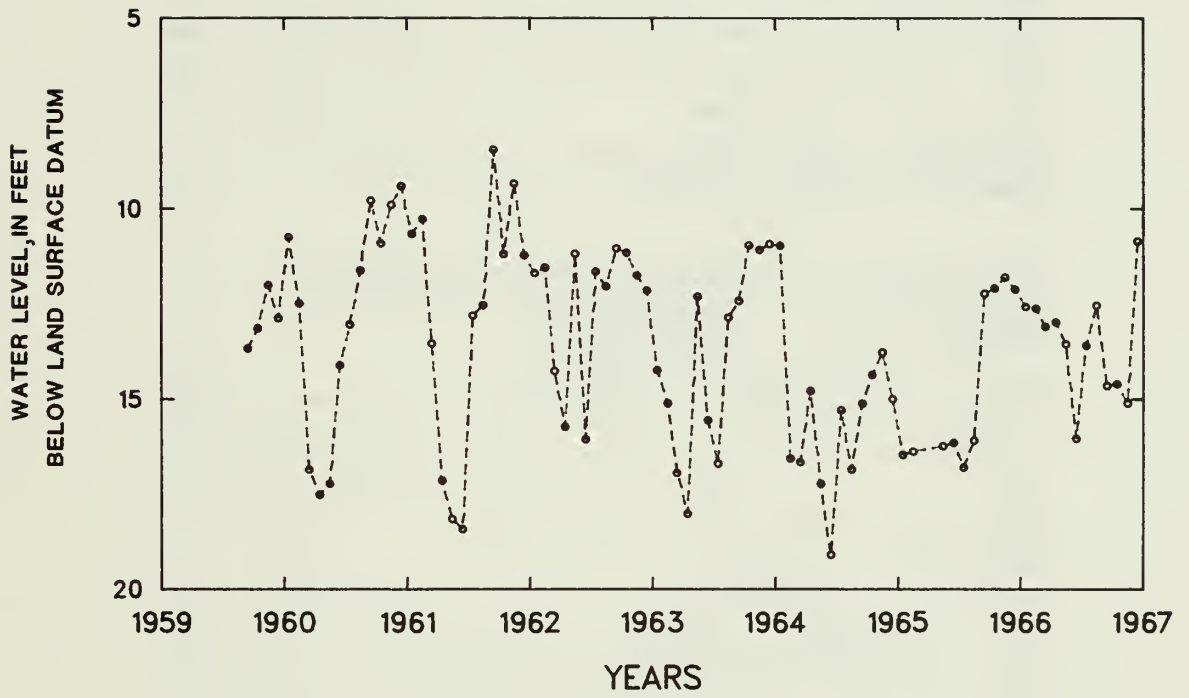


Figure 38.--Ground-water levels at Cuatro Calles, local number 5.

LOCAL NUMBER : 14  
 WELL NAME : Parguera  
 LATITUDE : 17°58'51"  
 DIAMETER : 10-13 inches

ELEVATION ABOVE MEAN SEA LEVEL: 46 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 67°02'43"  
 DEPTH : 92 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	38.85	39.23	39.47		39.39	39.31	39.36	39.14	38.97	38.98	38.44	
1960	37.74	37.98	38.24	38.31	38.32	38.42	38.56	38.52	38.19	37.17	37.37	37.22
1961	36.20	36.93	37.37	37.68	37.85	38.03	38.06	38.05	37.31	37.45	37.60	37.77
1962	38.06	38.29	38.51	38.59	38.60	38.60	38.76	38.81	38.67	38.65	38.77	38.89
1963	38.86	38.95	39.16	39.28	39.27	39.23	39.29	39.09	37.57	36.85	36.01	36.58
1964	37.04	37.55	37.91	38.08	38.25	38.32	38.36	38.34	38.27	37.36	37.72	38.03
1965	38.43	38.70	38.92	38.94				35.91	36.08	37.33	37.02	
1966	37.32		37.33	38.37	38.50	39.09	40.17	38.46	38.69	38.49	38.46	38.74

REMARKS: Well discontinued, January 1967.

LOCAL NUMBER : 36  
 WELL NAME : Aibonito Asomante 1  
 LATITUDE : 18°07'55"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,980 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°16'40"  
 DEPTH : 250 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									26.89 <sup>a</sup>	30.07 <sup>a</sup>	24.15 <sup>a</sup>	29.60 <sup>a</sup>
1960				50.60 <sup>a</sup>			59.70 <sup>a</sup>	62.99 <sup>a</sup>	59.58 <sup>a</sup>	58.50 <sup>a</sup>	57.19 <sup>a</sup>	54.43 <sup>a</sup>
1961	53.40 <sup>a</sup>		51.22 <sup>a</sup>	52.74 <sup>a</sup>						54.10 <sup>a</sup>		
1962			50.80 <sup>a</sup>	52.70 <sup>a</sup>						53.00 <sup>a</sup>		
1963			48.35 <sup>a</sup>	46.58 <sup>a</sup>				40.15 <sup>a</sup>	47.28 <sup>a</sup>	46.20 <sup>a</sup>	43.34 <sup>a</sup>	42.64 <sup>a</sup>
1964	44.75 <sup>a</sup>	47.46 <sup>a</sup>	49.88 <sup>a</sup>	49.74 <sup>a</sup>	55.10 <sup>a</sup>		56.54 <sup>a</sup>	60.95 <sup>a</sup>	66.29 <sup>a</sup>	66.11 <sup>a</sup>	68.24 <sup>a</sup>	68.30 <sup>a</sup>
1965	64.54 <sup>a</sup>	64.67 <sup>a</sup>	68.47 <sup>a</sup>	46.97 <sup>a</sup>	47.65 <sup>a</sup>	45.59 <sup>a</sup>	63.58 <sup>a</sup>	61.87 <sup>a</sup>	64.57 <sup>a</sup>	66.08 <sup>a</sup>	67.46 <sup>a</sup>	66.73 <sup>a</sup>
1966		62.89 <sup>a</sup>	62.34 <sup>a</sup>	66.87 <sup>a</sup>	67.91 <sup>a</sup>	68.09 <sup>a</sup>	66.66 <sup>a</sup>	68.09 <sup>a</sup>		66.96 <sup>a</sup>	58.96 <sup>a</sup>	56.28 <sup>a</sup>
1967		55.17 <sup>a</sup>	56.81 <sup>a</sup>	58.82 <sup>a</sup>	59.19 <sup>a</sup>	59.22 <sup>a</sup>	60.80 <sup>a</sup>	62.22 <sup>a</sup>	81.85 <sup>a</sup>	71.78 <sup>a</sup>	74.25 <sup>a</sup>	75.07 <sup>a</sup>
1968	75.65 <sup>a</sup>	74.49 <sup>a</sup>	77.65 <sup>a</sup>	77.30 <sup>a</sup>	80.99 <sup>a</sup>	79.02 <sup>a</sup>	83.20 <sup>a</sup>	78.25 <sup>a</sup>	83.55 <sup>a</sup>	84.88 <sup>a</sup>		54.18 <sup>a</sup>
1969	78.95 <sup>a</sup>		77.82 <sup>a</sup>	73.04 <sup>a</sup>	67.88 <sup>a</sup>	74.58 <sup>a</sup>	72.72 <sup>a</sup>			71.41 <sup>a</sup>		
1970								61.02 <sup>a</sup>				
1971												

REMARKS: Well discontinued, September 1971.

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 37  
 WELL NAME : Bo. Rincón de Cidra OWNER : P.R. Aqueduct and Sewer Authority  
 LATITUDE : 18°08'52" LONGITUDE : 66°09'54"  
 DIAMETER : 8-16 inches DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960						25.63	25.28		19.54	36.60 <sup>a</sup>	41.18 <sup>a</sup>	25.29
1961	28.92 <sup>a</sup>	32.93 <sup>a</sup>	36.82 <sup>a</sup>	32.62 <sup>a</sup>	57.94 <sup>a</sup>	57.91 <sup>a</sup>	62.87 <sup>a</sup>	24.51	42.11 <sup>a</sup>	34.65 <sup>a</sup>	28.27 <sup>a</sup>	31.32 <sup>a</sup>
1962	29.64 <sup>a</sup>	33.33 <sup>a</sup>	45.25 <sup>a</sup>	56.00 <sup>a</sup>	47.00 <sup>a</sup>	39.80 <sup>a</sup>	36.10 <sup>a</sup>	32.85 <sup>a</sup>	32.90 <sup>a</sup>	30.20 <sup>a</sup>	30.27 <sup>a</sup>	36.32 <sup>a</sup>
1963	36.50 <sup>a</sup>	38.40 <sup>a</sup>	41.90 <sup>a</sup>	40.13 <sup>a</sup>	36.82 <sup>a</sup>	30.70 <sup>a</sup>	28.11 <sup>a</sup>	28.87 <sup>a</sup>	27.68 <sup>a</sup>	26.80 <sup>a</sup>	27.52 <sup>a</sup>	28.08 <sup>a</sup>
1964	26.16 <sup>a</sup>	26.04 <sup>a</sup>	26.56 <sup>a</sup>	26.99 <sup>a</sup>	26.94 <sup>a</sup>		26.53 <sup>a</sup>	26.50 <sup>a</sup>	25.93 <sup>a</sup>	24.74 <sup>a</sup>	25.64 <sup>a</sup>	25.58 <sup>a</sup>
1965	27.35 <sup>a</sup>	27.43 <sup>a</sup>	27.38 <sup>a</sup>	27.43 <sup>a</sup>	26.86 <sup>a</sup>	20.89 <sup>a</sup>	20.83 <sup>a</sup>	21.01 <sup>a</sup>	21.63 <sup>a</sup>	22.01 <sup>a</sup>	22.13 <sup>a</sup>	20.98 <sup>a</sup>
1966		23.09 <sup>a</sup>	23.66 <sup>a</sup>	24.55 <sup>a</sup>	24.97 <sup>a</sup>	26.18 <sup>a</sup>	26.01 <sup>a</sup>		20.37 <sup>a</sup>	19.27 <sup>a</sup>	18.47 <sup>a</sup>	18.96 <sup>a</sup>
1967	20.65 <sup>a</sup>	22.73 <sup>a</sup>	23.75 <sup>a</sup>	24.73 <sup>a</sup>	25.17 <sup>a</sup>	25.83 <sup>a</sup>	35.15 <sup>a</sup>	37.20 <sup>a</sup>	41.62 <sup>a</sup>	29.72 <sup>a</sup>	33.33 <sup>a</sup>	32.00 <sup>a</sup>
1968	29.35 <sup>a</sup>	32.10 <sup>a</sup>	34.11 <sup>a</sup>	32.77 <sup>a</sup>	36.02 <sup>a</sup>	35.38 <sup>a</sup>	28.53 <sup>a</sup>	28.91 <sup>a</sup>	29.03 <sup>a</sup>	27.29 <sup>a</sup>		22.70 <sup>a</sup>
1969	22.70		20.75	21.51	22.27	19.32	21.98			20.27		19.46
1970	23.42		24.96	25.22	25.82		20.97	19.64				
1971								23.22	25.38	23.37	21.92	23.40
1972	24.10		24.52	25.34				26.56	26.91		26.63	
1973			26.00			25.89	26.77	25.84				
1974		26.03		26.30	26.91	27.27	27.83		25.01			
1975	19.27			28.20		25.70		25.51		24.84	25.87	20.52
1976	24.45		21.81				24.29	24.55	25.20	25.11	23.85	23.96
1977	24.61	25.95		25.34	25.22	24.85	23.99		25.01	23.55		
1978	22.11		22.15	22.30	22.44	22.59	24.20	24.73	24.80	25.19		21.75
1979	21.65	24.03	23.47	25.18	22.74	18.60	14.38	17.21		15.19	17.32	18.38
1980	18.52	18.41	26.74	23.43	23.40	22.51	23.48	23.34	23.82	23.43	24.09	24.18
1981	24.46	24.46	24.87	24.41		23.08	20.59		22.76	23.62	23.84	24.01
1982	22.20	22.48	23.52	24.50	24.91	23.46	24.46	24.33	22.75	22.80		22.52
1983	20.29	21.36	22.54	23.20	22.40	21.12	18.86	20.67	21.63	22.25	22.26	23.00
1984	23.94	23.27	25.02	25.34	25.47	24.50	24.00	24.40	24.98	22.95	16.44	16.87
1985	19.45	21.92	23.00									

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 38  
 WELL NAME : Barrio Robles  
 LATITUDE : 18°08'23"  
 DIAMETER : 10 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,980 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°15'45"  
 DEPTH : 82 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									21.71	22.69	16.03	21.10
1960	18.37	26.80	25.84 <sup>n</sup>	27.40	25.70	15.00	22.26	14.38	11.56	19.43	22.25	7.59
1961	18.40	28.02	27.53	27.38	27.65	29.04	27.69	27.94	26.50	24.50	20.30	19.06
1962	20.21	20.84	24.27		24.17	24.42	25.24	24.79	23.04	21.21	19.53	20.39
1963	20.65	20.95	22.10	21.90	20.35	19.40	19.70	20.35	20.45	19.95	18.70	20.25
1964	20.80	23.05	23.45	23.60	25.40		27.20	28.20	29.00	29.10	29.35	30.45
1965	30.80	21.15	29.30	30.40	30.15	28.55	25.65	27.70	28.40	29.40	30.30	30.30
1966	27.40	27.45	28.05	28.35	27.45	28.50	29.05	29.35	29.40	27.55	23.90	25.65
1967		26.00	26.40	27.20	27.00		29.30	31.50	32.80	33.70	32.90	33.80
1968	34.00	34.10	34.35	34.20	34.30	34.30	34.55	34.40	35.55	36.75	36.80	36.80
1969	33.80	32.15	30.75	30.30	27.80	24.80	23.80	25.25	17.95	16.70 <sup>j</sup>	16.04 <sup>j</sup>	
1970				20.06	15.00	17.55 <sup>j</sup>	16.29					
1971			11.90 <sup>j</sup>		14.62	14.30	17.29	14.49	18.99 <sup>j</sup>	25.08 <sup>j</sup>	26.04 <sup>j</sup>	25.10 <sup>j</sup>
1972	24.94 <sup>j</sup>	23.70 <sup>j</sup>	28.90 <sup>j</sup>	27.28 <sup>j</sup>	25.68 <sup>j</sup>	22.18 <sup>j</sup>		24.56			27.27	27.09
1973		32.00	31.95				36.94					
1974	15.00	38.65	38.40	39.04	38.78	34.36	38.72					
1975	6.31	6.64	6.97	10.23	14.11	17.90	16.93					
1976	16.45								6.84	11.32	16.26	15.51
1977	16.22	32.00	35.44	47.32	49.41	49.65	46.70	46.90	51.47	52.42	51.00	41.30
1978	44.79	43.61	36.11	46.23	46.85	47.53	48.34	48.95	48.97	48.75	47.11	46.55
1979	41.80 <sup>e</sup>	38.45	36.93	35.80	37.00	37.47	30.20	27.23	18.76	18.50	16.32	14.91
1980	15.93	16.11	15.20	18.12	20.54	22.13	24.20	25.61	26.53	27.83	27.64	
1981	30.30	30.50	30.29	30.39	24.45	22.02	21.47		20.87	8.41	22.06	18.24
1982	18.72	16.66	18.72	18.55	18.95	17.98	17.47	15.57	16.71	18.29	14.76	11.96
1983	9.97	10.98	10.35	12.33	9.02	11.62	8.25	9.47	9.47	10.14	9.12	9.72
1984	10.30	10.75	11.82	12.40	12.60	11.12	10.57	11.12	11.33	8.54	7.18	5.92

REMARKS: Well discontinued; changed to a partial site September 2, 1981.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 39                      ELEVATION ABOVE MEAN SEA LEVEL: 951 feet  
WELL NAME : Proyecto La Plata        OWNER : P.R. Aqueduct and Sewer Authority  
LATITUDE : 18°09'17"                LONGITUDE : 66°13'56"  
DIAMETER : 10 inches                DEPTH : 120 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									64.50 <sup>a</sup>	71.45 <sup>a</sup>	72.10 <sup>a</sup>	72.15 <sup>a</sup>
1960	72.20 <sup>a</sup>	57.29 <sup>a</sup>	71.85 <sup>a</sup>	72.50 <sup>a</sup>	73.80 <sup>a</sup>	72.20 <sup>a</sup>	72.20 <sup>a</sup>	72.90 <sup>a</sup>	72.90 <sup>a</sup>	71.70 <sup>a</sup>	57.52 <sup>a</sup>	68.90 <sup>a</sup>
1961	70.80 <sup>a</sup>	51.73 <sup>a</sup>	72.19 <sup>a</sup>	71.70 <sup>a</sup>	54.23 <sup>a</sup>	56.97 <sup>a</sup>	71.72 <sup>a</sup>	71.75 <sup>a</sup>	70.97 <sup>a</sup>	79.50 <sup>a</sup>	68.84 <sup>a</sup>	67.84 <sup>a</sup>
1962	65.39 <sup>a</sup>	63.60 <sup>a</sup>	59.90 <sup>a</sup>	60.85 <sup>a</sup>	69.00 <sup>a</sup>	79.10 <sup>a</sup>	79.00 <sup>a</sup>	78.00 <sup>a</sup>	79.00 <sup>a</sup>	72.00 <sup>a</sup>		
1963									70.09 <sup>a</sup>			70.73 <sup>a</sup>
1964	69.06 <sup>a</sup>	67.10 <sup>a</sup>	72.89 <sup>a</sup>	71.59 <sup>a</sup>	57.10 <sup>a</sup>		69.75 <sup>a</sup>	68.15 <sup>a</sup>	69.79 <sup>a</sup>	69.34 <sup>a</sup>	68.77 <sup>a</sup>	68.85 <sup>a</sup>
1965	70.82 <sup>a</sup>	70.98 <sup>a</sup>	75.33 <sup>a</sup>	80.06 <sup>a</sup>	91.68 <sup>a</sup>	72.96 <sup>a</sup>	74.32 <sup>a</sup>	72.67 <sup>a</sup>	85.49 <sup>a</sup>	86.77 <sup>a</sup>	87.13 <sup>a</sup>	86.76 <sup>a</sup>
1966												
1967					49.47							

REMARKS: Well discontinued, June 1967.

LOCAL NUMBER : 41                      ELEVATION ABOVE MEAN SEA LEVEL: 1,640 feet  
WELL NAME : Cidra 1                    OWNER : P.R. Aqueduct and Sewer Authority  
LATITUDE : 18°10'41"                LONGITUDE : 66°09'03"  
DIAMETER : 12-16 inches              DEPTH : 200 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									19.98	20.25	21.59	23.02
1960	24.69	26.13 <sup>b</sup>	30.28	36.60 <sup>a</sup>	33.82 <sup>a</sup>	34.05 <sup>a</sup>	33.65 <sup>a</sup>	29.55 <sup>a</sup>	14.70 <sup>a</sup>	14.38 <sup>a</sup>	13.63 <sup>a</sup>	13.69 <sup>a</sup>
1961	13.53 <sup>a</sup>	42.00 <sup>a</sup>	16.81 <sup>a</sup>	83.17 <sup>a</sup>	73.63 <sup>a</sup>	76.64 <sup>a</sup>	22.79 <sup>a</sup>	71.00 <sup>a</sup>	14.93 <sup>a</sup>	15.89 <sup>a</sup>	72.52 <sup>a</sup>	72.43 <sup>a</sup>
1962	72.6 <sup>a</sup>	71.98 <sup>a</sup>	72.2 <sup>a</sup>	70.4 <sup>a</sup>	84.7 <sup>a</sup>	76.7 <sup>a</sup>	78.7 <sup>a</sup>	72.7 <sup>a</sup>	76.7 <sup>a</sup>	75.7 <sup>a</sup>	81.3 <sup>a</sup>	80.7 <sup>a</sup>
1963	79.4 <sup>a</sup>	85.7 <sup>a</sup>	85.9 <sup>a</sup>	83.75 <sup>a</sup>	94.25 <sup>a</sup>	91.7 <sup>a</sup>	85.25 <sup>a</sup>	87.6 <sup>a</sup>	93.1 <sup>a</sup>	24.80 <sup>a</sup>	90.9 <sup>a</sup>	92.9 <sup>a</sup>
1964	106.0 <sup>a</sup>	90.91 <sup>a</sup>	90.59 <sup>a</sup>	97.23 <sup>a</sup>	84.89 <sup>a</sup>		95.48 <sup>a</sup>	99.70 <sup>a</sup>	101.2 <sup>a</sup>	85.30 <sup>a</sup>	85.15 <sup>a</sup>	85.06 <sup>a</sup>
1965	82.82 <sup>a</sup>	83.38 <sup>a</sup>	87.21 <sup>a</sup>	90.03 <sup>a</sup>	88.56 <sup>a</sup>	76.12 <sup>a</sup>	76.67 <sup>a</sup>		20.21 <sup>a</sup>	71.47 <sup>a</sup>	18.95 <sup>a</sup>	77.41 <sup>a</sup>
1966			71.39 <sup>a</sup>	69.67 <sup>a</sup>		73.62 <sup>a</sup>	73.77 <sup>a</sup>	72.14 <sup>a</sup>		13.88 <sup>a</sup>	87.37 <sup>a</sup>	90.87 <sup>a</sup>
1967					62.04 <sup>b</sup>	75.08 <sup>a</sup>	24.34 <sup>a</sup>	94.85 <sup>a</sup>				

REMARKS: Well discontinued, September 1967.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well



LOCAL NUMBER : 42  
 WELL NAME : Cidra 2  
 LATITUDE : 18°10'46"  
 DIAMETER : 13 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,640 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°09'17"  
 DEPTH : 92 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									24.80	18.00	18.63	19.60
1960	19.66	20.68	20.33	20.22	27.96 <sup>a</sup>	28.4 <sup>a</sup>	20.75	19.46	15.59	14.74	23.15 <sup>a</sup>	14.15
1961	23.16 <sup>a</sup>	14.54	23.30 <sup>a</sup>	25.45 <sup>a</sup>	26.40 <sup>a</sup>	27.57 <sup>a</sup>	19.18	17.34	22.83 <sup>a</sup>	23.06 <sup>a</sup>	15.89	22.00 <sup>a</sup>
1962	23.20 <sup>a</sup>	19.60 <sup>a</sup>	25.75 <sup>a</sup>	25.70 <sup>a</sup>	29.60 <sup>a</sup>	17.51 <sup>a</sup>	15.06	15.60	14.75	18.60	27.60 <sup>a</sup>	24.30 <sup>a</sup>
1963	24.80 <sup>a</sup>	25.09 <sup>a</sup>	25.39 <sup>a</sup>	25.43 <sup>a</sup>	26.35 <sup>a</sup>	27.09 <sup>a</sup>	33.28 <sup>a</sup>	27.86 <sup>a</sup>	26.3 <sup>a</sup>	27.8 <sup>a</sup>	26.90 <sup>a</sup>	28.01 <sup>a</sup>
1964	32.17 <sup>a</sup>	27.92 <sup>a</sup>	31.46 <sup>a</sup>	29.17 <sup>a</sup>	26.61 <sup>a</sup>		31.56 <sup>a</sup>	35.60 <sup>a</sup>	31.88 <sup>a</sup>	35.34 <sup>a</sup>	37.72 <sup>a</sup>	37.67 <sup>a</sup>
1965	36.18 <sup>a</sup>	36.39 <sup>a</sup>	37.55 <sup>a</sup>	39.04 <sup>a</sup>	33.91 <sup>a</sup>	31.57 <sup>a</sup>	34.27 <sup>a</sup>	31.09 <sup>a</sup>	33.86 <sup>a</sup>	27.62 <sup>a</sup>	19.23 <sup>a</sup>	23.14 <sup>a</sup>
1966		23.67 <sup>a</sup>	25.61 <sup>a</sup>	28.09 <sup>a</sup>	28.53 <sup>a</sup>		29.92 <sup>a</sup>	37.19 <sup>a</sup>		39.18 <sup>a</sup>	35.87 <sup>a</sup>	37.38 <sup>a</sup>
1967	38.10 <sup>a</sup>	41.67 <sup>a</sup>	40.66 <sup>a</sup>	40.55 <sup>a</sup>			24.69 <sup>a</sup>	50.22 <sup>a</sup>	53.56 <sup>a</sup>	45.97 <sup>a</sup>	51.98 <sup>a</sup>	49.80 <sup>a</sup>
1968	52.20 <sup>a</sup>	49.20 <sup>a</sup>	56.25 <sup>a</sup>	56.32 <sup>a</sup>	52.60 <sup>a</sup>	56.11 <sup>a</sup>	47.77 <sup>a</sup>	53.34 <sup>a</sup>	53.91 <sup>a</sup>	46.99 <sup>a</sup>		46.15 <sup>a</sup>
1969	34.38 <sup>a</sup>		24.54 <sup>a</sup>	42.75 <sup>a</sup>	37.89 <sup>a</sup>	34.96 <sup>a</sup>	36.34 <sup>a</sup>			18.40 <sup>a</sup>		
1970	39.95 <sup>a</sup>		44.27 <sup>a</sup>	47.17 <sup>a</sup>	47.09 <sup>a</sup>		40.09 <sup>a</sup>	37.70 <sup>a</sup>				
1971							37.79 <sup>a</sup>	46.86 <sup>a</sup>	41.97 <sup>a</sup>	38.72 <sup>a</sup>	38.72 <sup>a</sup>	35.39 <sup>a</sup>
1972	43.77 <sup>a</sup>	43.50 <sup>a</sup>		42.88 <sup>a</sup>				51.69 <sup>a</sup>	47.75 <sup>a</sup>		54.20 <sup>a</sup>	
1973	32.14 <sup>a</sup>		46.80 <sup>a</sup>		46.55 <sup>a</sup>	50.08 <sup>a</sup>	50.05 <sup>a</sup>	51.95 <sup>a</sup>		53.35 <sup>a</sup>		
1974	52.08 <sup>a</sup>	52.70 <sup>a</sup>		51.19 <sup>a</sup>	50.96 <sup>a</sup>	51.17 <sup>a</sup>	50.70 <sup>a</sup>		46.73 <sup>a</sup>			
1975	28.36 <sup>a</sup>		19.35 <sup>a</sup>	17.20 <sup>a</sup>		31.08 <sup>a</sup>		25.37 <sup>a</sup>		17.62 <sup>a</sup>	15.97 <sup>a</sup>	16.86 <sup>a</sup>
1976	13.72 <sup>a</sup>		13.94 <sup>a</sup>	14.71 <sup>a</sup>			17.00 <sup>a</sup>	18.12 <sup>a</sup>	17.52 <sup>a</sup>	17.07 <sup>a</sup>	16.50 <sup>a</sup>	17.50 <sup>a</sup>
1977	17.63 <sup>a</sup>	19.75 <sup>a</sup>		19.17 <sup>a</sup>	20.78 <sup>a</sup>	20.45 <sup>a</sup>	19.50 <sup>a</sup>	24.40 <sup>a</sup>	21.33 <sup>a</sup>	20.32 <sup>a</sup>		
1978	13.60 <sup>a</sup>		13.53 <sup>a</sup>	13.60 <sup>a</sup>	13.77 <sup>a</sup>	13.62 <sup>a</sup>	14.07 <sup>a</sup>	14.13 <sup>a</sup>	14.28 <sup>a</sup>	14.56 <sup>a</sup>	14.05 <sup>a</sup>	14.02 <sup>a</sup>
1979	14.65 <sup>a</sup>	14.09 <sup>a</sup>	13.88 <sup>a</sup>	14.34 <sup>a</sup>	12.97 <sup>a</sup>	13.19 <sup>a</sup>	12.90 <sup>a</sup>	13.35 <sup>a</sup>		12.69 <sup>a</sup>	12.67 <sup>a</sup>	12.30 <sup>a</sup>
1980			13.64 <sup>a</sup>	14.12 <sup>a</sup>	15.20 <sup>a</sup>	14.68 <sup>a</sup>	16.22 <sup>a</sup>	16.45 <sup>a</sup>	17.33 <sup>a</sup>	18.37 <sup>a</sup>	19.67 <sup>a</sup>	19.96 <sup>a</sup>
1981	19.92 <sup>a</sup>	19.80 <sup>a</sup>	21.65 <sup>a</sup>	19.28 <sup>a</sup>		15.52 <sup>a</sup>	14.64 <sup>a</sup>		14.68 <sup>a</sup>	14.40 <sup>a</sup>	14.98 <sup>a</sup>	
1982	15.00 <sup>a</sup>	14.30 <sup>a</sup>	15.56 <sup>a</sup>	17.03 <sup>a</sup>	18.10 <sup>a</sup>	18.90 <sup>a</sup>	20.01 <sup>a</sup>	18.82 <sup>a</sup>	18.15 <sup>a</sup>	15.25 <sup>a</sup>	16.37 <sup>a</sup>	17.29 <sup>a</sup>
1983	17.95 <sup>a</sup>	19.37 <sup>a</sup>	20.78 <sup>a</sup>	22.54 <sup>a</sup>	22.62 <sup>a</sup>	19.20 <sup>a</sup>	18.89 <sup>a</sup>	19.50 <sup>a</sup>	16.79 <sup>a</sup>	17.00 <sup>a</sup>	17.93 <sup>a</sup>	19.71 <sup>a</sup>
1984	20.34 <sup>a</sup>	21.00 <sup>a</sup>	24.52 <sup>a</sup>	25.95 <sup>a</sup>	26.01 <sup>a</sup>	26.13 <sup>a</sup>	19.99 <sup>a</sup>	19.15 <sup>a</sup>	21.93 <sup>a</sup>	17.36 <sup>a</sup>	15.14 <sup>a</sup>	15.20 <sup>a</sup>
1985	15.55 <sup>a</sup>	17.04 <sup>a</sup>	17.51 <sup>a</sup>									

REMARKS: Well discontinued, April 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



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LOCAL NUMBER : 86  
 WELL NAME : Adjuntas  
 LATITUDE : 18°10'41"  
 DIAMETER : 6 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,460 feet  
 OWNER : Joaquín Matei, USGS  
 LONGITUDE : 66°44'11"  
 DEPTH : 300 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1967								9.74				
1968	10.99	11.35	11.30	12.41	11.06	10.02	9.26	8.76	9.32	9.74	8.94	
1969	10.19		9.63	10.55	9.05		10.12	10.13	7.97			
1970									8.83		8.45	9.65
1971			10.63	9.80	10.83	10.73	9.31	9.15	8.59	9.93	8.08	9.03
1972	10.15	10.43		9.02	9.52	10.72		11.06	8.55		8.70	
1973	10.49	10.26	10.32	10.62	11.00	9.69	9.72	8.55	8.81	7.16	7.97	8.39
1974	10.20	10.28		10.70	11.13	11.37	10.80	10.81	8.55		7.03	
1975	9.69		10.15	10.85		10.28		9.04		9.05	8.55	
1976	10.75	11.25	11.50				10.48	10.61	8.65	6.93	9.70	10.85
1977	11.55	11.85	12.20	11.35	12.38	11.86	11.04				9.72	9.97
1978	10.03	10.21	11.72	10.29	10.60	11.01	10.73		10.48	5.20		
1979	4.34			11.92	9.64	8.43	10.18	10.67		9.41	11.69	
1980	11.14		11.79		9.75		11.50	11.30	9.78	7.72	10.83	11.48
1981	11.51	11.60	11.94	10.99	11.06	10.97	10.85	10.04	11.10	8.39	10.88	
1982	10.37	11.63	11.74	12.46	10.40	11.54	11.27	10.41	8.88	10.86	10.91	
1983	11.80	12.00	11.92	12.53	11.80	10.84		11.80	12.07	10.10	10.57	11.17
1984	11.14	12.37	12.19	12.56	12.60	11.18	12.06	11.58		9.37	8.78	
1985	12.37											

REMARKS: Well discontinued, February 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

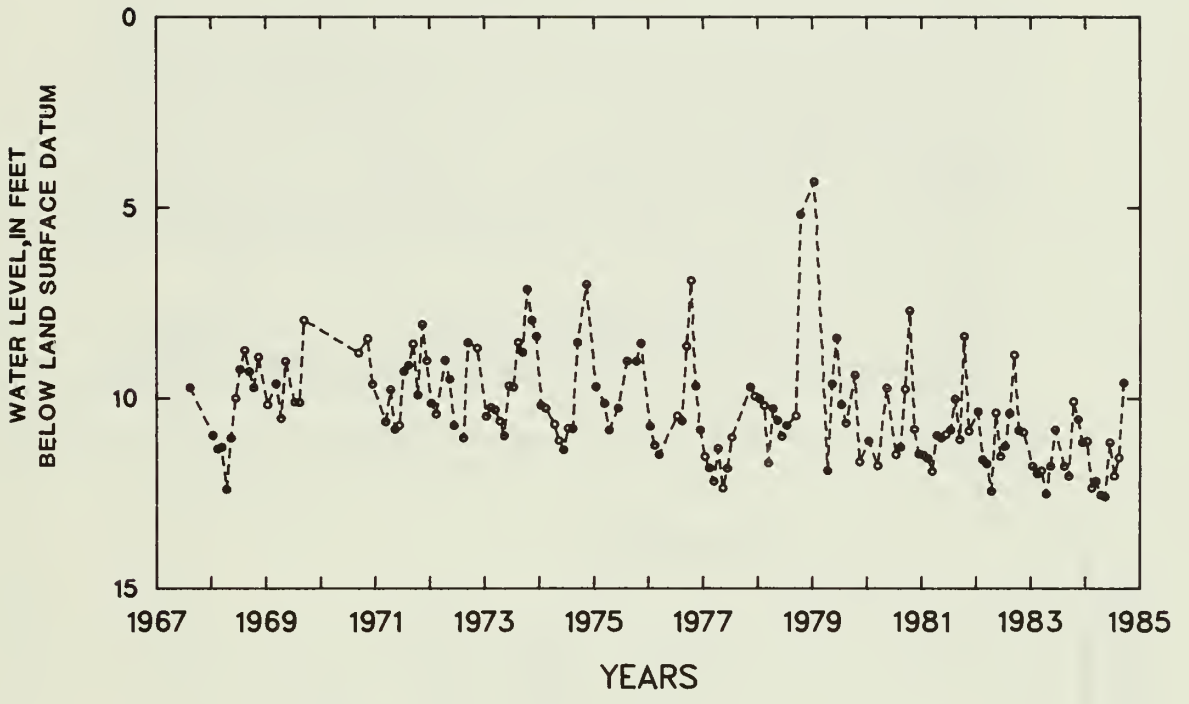


Figure 39.--Ground-water levels at Adjuntas, local number 86.

LOCAL NUMBER : 47  
 WELL NAME : Piñas 1. (Comerio)  
 LATITUDE : 18°13'08"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 623 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°13'35"  
 DEPTH : 147 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									20.04 <sup>a</sup>	18.55 <sup>a</sup>	19.95 <sup>a</sup>	19.80 <sup>a</sup>
1960	20.60 <sup>a</sup>	21.14 <sup>a</sup>	14.75 <sup>a</sup>	17.00 <sup>a</sup>	20.34 <sup>a</sup>	23.60 <sup>a</sup>	21.82 <sup>a</sup>	18.56 <sup>a</sup>	17.14 <sup>a</sup>			16.23 <sup>a</sup>
1961	16.18 <sup>a</sup>	20.95 <sup>a</sup>	21.10 <sup>a</sup>	22.15 <sup>a</sup>	20.95 <sup>a</sup>	19.27 <sup>a</sup>	17.69 <sup>a</sup>	20.53 <sup>a</sup>	16.05 <sup>a</sup>	16.15 <sup>a</sup>	15.21 <sup>a</sup>	15.67 <sup>a</sup>
1962	16.12 <sup>a</sup>	16.65 <sup>a</sup>	17.97 <sup>a</sup>	16.71 <sup>a</sup>	16.31 <sup>a</sup>	15.45 <sup>a</sup>	15.78 <sup>a</sup>	16.50 <sup>a</sup>	14.23 <sup>a</sup>	14.47 <sup>a</sup>	14.42 <sup>a</sup>	15.81 <sup>a</sup>
1963	15.60 <sup>a</sup>	16.00 <sup>a</sup>	18.47 <sup>a</sup>	17.98 <sup>a</sup>	15.96 <sup>a</sup>	15.09 <sup>a</sup>	15.85 <sup>a</sup>	18.44 <sup>a</sup>	18.16 <sup>a</sup>	18.43 <sup>a</sup>	18.72 <sup>a</sup>	20.33 <sup>a</sup>
1964	19.75 <sup>a</sup>	19.97 <sup>a</sup>	38.32 <sup>a</sup>	37.78 <sup>a</sup>	26.66 <sup>a</sup>		39.48 <sup>a</sup>	31.90 <sup>a</sup>	52.72 <sup>a</sup>	40.46 <sup>a</sup>	38.32 <sup>a</sup>	38.42 <sup>a</sup>
1965	46.72 <sup>a</sup>	46.84 <sup>a</sup>	61.18 <sup>a</sup>	61.52 <sup>a</sup>	44.02 <sup>a</sup>	37.49 <sup>a</sup>	35.82 <sup>a</sup>	35.23 <sup>a</sup>	22.01 <sup>a</sup>	22.83 <sup>a</sup>	57.79 <sup>a</sup>	57.53 <sup>a</sup>
1966		51.71 <sup>a</sup>	48.96 <sup>a</sup>	44.84 <sup>a</sup>	45.09 <sup>a</sup>	44.22 <sup>a</sup>	43.99 <sup>a</sup>	44.58 <sup>a</sup>		43.70 <sup>a</sup>	44.98 <sup>a</sup>	43.92 <sup>a</sup>
1967	43.94 <sup>a</sup>	30.05 <sup>a</sup>		39.17 <sup>a</sup>	47.43 <sup>a</sup>	52.54 <sup>a</sup>	50.40 <sup>a</sup>	46.08 <sup>a</sup>	45.20 <sup>a</sup>	46.00 <sup>a</sup>	45.50 <sup>a</sup>	47.40 <sup>a</sup>
1968	47.10 <sup>a</sup>	47.18 <sup>a</sup>	52.60 <sup>a</sup>	49.30 <sup>a</sup>	50.90 <sup>a</sup>	44.70 <sup>a</sup>	45.67 <sup>a</sup>	44.40 <sup>a</sup>	34.32 <sup>a</sup>	46.95 <sup>a</sup>		46.00 <sup>a</sup>
1969	48.54 <sup>a</sup>		50.10 <sup>a</sup>					45.83 <sup>a</sup>		47.78 <sup>a</sup>		
1970					40.00 <sup>a</sup>		21.28 <sup>a</sup>	31.60 <sup>a</sup>				

<sup>a</sup> pumping, <sup>b</sup> recently pumped, <sup>e</sup> estimated, <sup>h</sup> tape measurement, <sup>j</sup> lowest water level recorded, <sup>n</sup> nearby pumping well

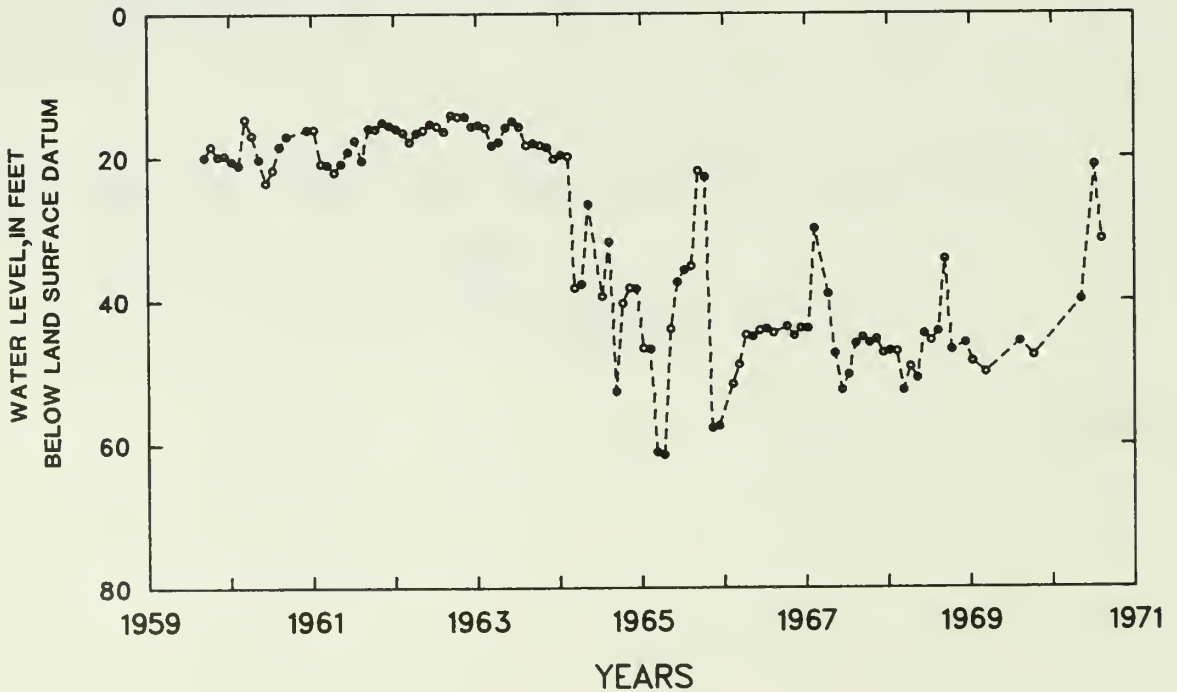


Figure 40.--Ground-water levels at Piñas 1 (Comerio), local number 47.

LOCAL NUMBER : 48  
 WELL NAME : Piñas 2 (Comerio)  
 LATITUDE : 18°13'05"  
 DIAMETER : 12-20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 640 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°13'38"  
 DEPTH : 216 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									26.84	26.21	26.87	26.58
1960	27.15	27.55	25.81	25.94	26.87	28.65	27.73		24.71		29.81 <sup>a</sup>	
1961											36.30 <sup>a</sup>	37.33 <sup>a</sup>
1962	40.60 <sup>a</sup>	43.95 <sup>a</sup>	47.78 <sup>a</sup>	44.38 <sup>a</sup>	36.95 <sup>a</sup>	43.00 <sup>a</sup>	28.25 <sup>a</sup>	43.10 <sup>a</sup>	41.10 <sup>a</sup>	42.10 <sup>a</sup>	27.35 <sup>a</sup>	40.50 <sup>a</sup>
1963	42.62 <sup>a</sup>	44.90 <sup>a</sup>	50.80 <sup>a</sup>	50.80 <sup>a</sup>	43.99 <sup>a</sup>	42.20 <sup>a</sup>	37.32 <sup>a</sup>	49.90 <sup>a</sup>	48.87 <sup>a</sup>	50.70 <sup>a</sup>	52.90 <sup>a</sup>	52.77 <sup>a</sup>
1964	53.35 <sup>a</sup>	34.83 <sup>a</sup>	53.08 <sup>a</sup>	55.39 <sup>a</sup>	46.33 <sup>a</sup>		53.20 <sup>a</sup>	39.25 <sup>a</sup>	52.58 <sup>a</sup>	72.93 <sup>a</sup>	56.87 <sup>a</sup>	57.02 <sup>a</sup>
1965	112.7 <sup>a</sup>	107.0 <sup>a</sup>	46.29 <sup>a</sup>	47.83 <sup>a</sup>	44.25 <sup>a</sup>	44.06 <sup>a</sup>	39.59 <sup>a</sup>	39.09 <sup>a</sup>	54.47 <sup>a</sup>	54.31 <sup>a</sup>	58.34 <sup>a</sup>	58.99 <sup>a</sup>
1966		58.81 <sup>a</sup>	58.59 <sup>a</sup>	46.41 <sup>a</sup>		38.81 <sup>a</sup>	38.69 <sup>a</sup>	46.31 <sup>a</sup>		46.26 <sup>a</sup>	48.28 <sup>a</sup>	46.33 <sup>a</sup>

REMARKS: Well discontinued, December 1966.

LOCAL NUMBER : 123  
 WELL NAME : Jayuya 3  
 LATITUDE : 18°13'07"  
 DIAMETER : 10 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,400 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°35'50"  
 DEPTH : 110 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1976	46.65 <sup>a</sup>	17.93 <sup>a</sup>	17.41 <sup>a</sup>	49.36 <sup>a</sup>	27.77 <sup>a</sup>	42.50 <sup>a</sup>	48.10 <sup>a</sup>	16.80 <sup>a</sup>	16.65 <sup>a</sup>	32.61 <sup>a</sup>	42.40 <sup>a</sup>	43.00 <sup>a</sup>
1977	42.32 <sup>a</sup>	35.60 <sup>a</sup>	37.11 <sup>a</sup>		44.00 <sup>a</sup>	42.48 <sup>a</sup>	33.40 <sup>a</sup>					
1978												
1979												
1980	14.95		14.17	15.12	15.64		14.89	14.89	13.71	14.52	23.78 <sup>a</sup>	14.74 <sup>a</sup>
1981	14.86	14.73	15.06	14.60	13.54	13.58	13.80	14.82	14.35	14.55	14.37	
1982	14.64	16.02	15.26	15.16	13.70	14.93	15.31	14.12	13.09	14.57	14.21	
1983	15.05		12.76	14.89	14.43	14.46		14.87	15.25	13.05	13.24	14.64
1984	14.39	15.25	15.40	15.43	15.45	14.75	15.02	15.38	13.72	13.14		14.59

REMARKS: Well discontinued during December 1984.

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 49  
 WELL NAME : Jayuya 4  
 LATITUDE : 18°13'05"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1400 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°35'52"  
 DEPTH : 100 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960								12.37		14.50	14.54	14.89
1961	27.55 <sup>a</sup>	16.74 <sup>a</sup>	31.35 <sup>a</sup>	24.87 <sup>a</sup>	28.47 <sup>a</sup>	26.63 <sup>a</sup>	25.04 <sup>a</sup>	29.27 <sup>a</sup>	28.26 <sup>a</sup>	26.31 <sup>a</sup>	29.67 <sup>a</sup>	31.31 <sup>a</sup>
1962		27.68 <sup>a</sup>	28.92 <sup>a</sup>	29.72 <sup>a</sup>	28.52 <sup>a</sup>	33.48 <sup>a</sup>	39.08 <sup>a</sup>		30.36 <sup>a</sup>	31.10 <sup>a</sup>	35.00 <sup>a</sup>	34.22 <sup>a</sup>
1963	35.20 <sup>a</sup>	35.60 <sup>a</sup>	36.78 <sup>a</sup>	35.16 <sup>a</sup>	16.05 <sup>a</sup>	32.30 <sup>a</sup>	31.90 <sup>a</sup>	17.03 <sup>a</sup>	30.30 <sup>a</sup>	34.30 <sup>a</sup>	30.10 <sup>a</sup>	32.80 <sup>a</sup>
1964	31.40 <sup>a</sup>	32.20 <sup>a</sup>	38.13 <sup>a</sup>		37.60 <sup>a</sup>	35.70 <sup>a</sup>	36.10 <sup>a</sup>	36.33 <sup>a</sup>	30.30 <sup>a</sup>	33.43 <sup>a</sup>	31.83 <sup>a</sup>	31.63 <sup>a</sup>
1965	31.82 <sup>a</sup>	29.95 <sup>a</sup>	25.20 <sup>a</sup>	27.05 <sup>a</sup>	25.70 <sup>a</sup>	17.80 <sup>a</sup>	20.50 <sup>a</sup>	16.19 <sup>a</sup>	16.30 <sup>a</sup>	18.90 <sup>a</sup>	16.34 <sup>a</sup>	
1966		26.66 <sup>a</sup>	26.70 <sup>a</sup>	16.35 <sup>a</sup>	16.30 <sup>a</sup>	20.86 <sup>a</sup>	23.58 <sup>a</sup>	23.50 <sup>a</sup>	23.40 <sup>a</sup>	23.20 <sup>a</sup>	18.03 <sup>a</sup>	18.13 <sup>a</sup>
1967	18.28 <sup>a</sup>	18.47 <sup>a</sup>	18.60 <sup>a</sup>		24.22 <sup>a</sup>	26.40 <sup>a</sup>	16.50 <sup>a</sup>	25.72 <sup>a</sup>	26.42 <sup>a</sup>	26.27 <sup>a</sup>	21.80 <sup>a</sup>	22.40 <sup>a</sup>
1968	27.30 <sup>a</sup>	28.55 <sup>a</sup>	25.85 <sup>a</sup>	26.00 <sup>a</sup>	26.10 <sup>a</sup>	25.95 <sup>a</sup>	19.53 <sup>a</sup>	17.70 <sup>a</sup>		19.28 <sup>a</sup>		
1969	19.00 <sup>a</sup>	19.06 <sup>a</sup>	16.54 <sup>a</sup>	21.79 <sup>a</sup>			17.17 <sup>a</sup>	19.51 <sup>a</sup>	17.49 <sup>a</sup>			
1970					16.26 <sup>a</sup>			17.00 <sup>a</sup>				
1971							15.61 <sup>a</sup>	14.40 <sup>a</sup>	13.42 <sup>a</sup>	13.82 <sup>a</sup>	13.72 <sup>a</sup>	14.99 <sup>a</sup>
1972	13.75 <sup>a</sup>	14.14 <sup>a</sup>			13.95 <sup>a</sup>	14.30 <sup>a</sup>		14.40 <sup>a</sup>	15.15 <sup>a</sup>		13.05 <sup>a</sup>	
1973	15.13 <sup>a</sup>		14.92 <sup>a</sup>		14.95 <sup>a</sup>	15.40 <sup>a</sup>		14.53 <sup>a</sup>			15.54 <sup>a</sup>	15.83 <sup>a</sup>
1974			14.83 <sup>a</sup>	16.15 <sup>a</sup>	14.23 <sup>a</sup>	14.85 <sup>a</sup>		14.85 <sup>a</sup>			12.42 <sup>a</sup>	
1975								15.70 <sup>a</sup>				
1976												
1977			16.92 <sup>a</sup>	16.87 <sup>a</sup>	16.50 <sup>a</sup>	16.57 <sup>a</sup>	15.80 <sup>a</sup>	16.20 <sup>a</sup>	16.27 <sup>a</sup>		13.80 <sup>a</sup>	15.22 <sup>a</sup>
1978	18.67 <sup>a</sup>	16.62 <sup>a</sup>	16.93 <sup>a</sup>	16.64 <sup>a</sup>	16.55 <sup>a</sup>	16.80 <sup>a</sup>	14.00 <sup>a</sup>		14.32 <sup>a</sup>	9.50 <sup>a</sup>		
1979	9.08 <sup>a</sup>			14.52 <sup>a</sup>	12.06 <sup>a</sup>	11.67 <sup>a</sup>	13.84 <sup>a</sup>	14.02 <sup>a</sup>		14.52 <sup>a</sup>		

REMARKS: Well discontinued, November 1979  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

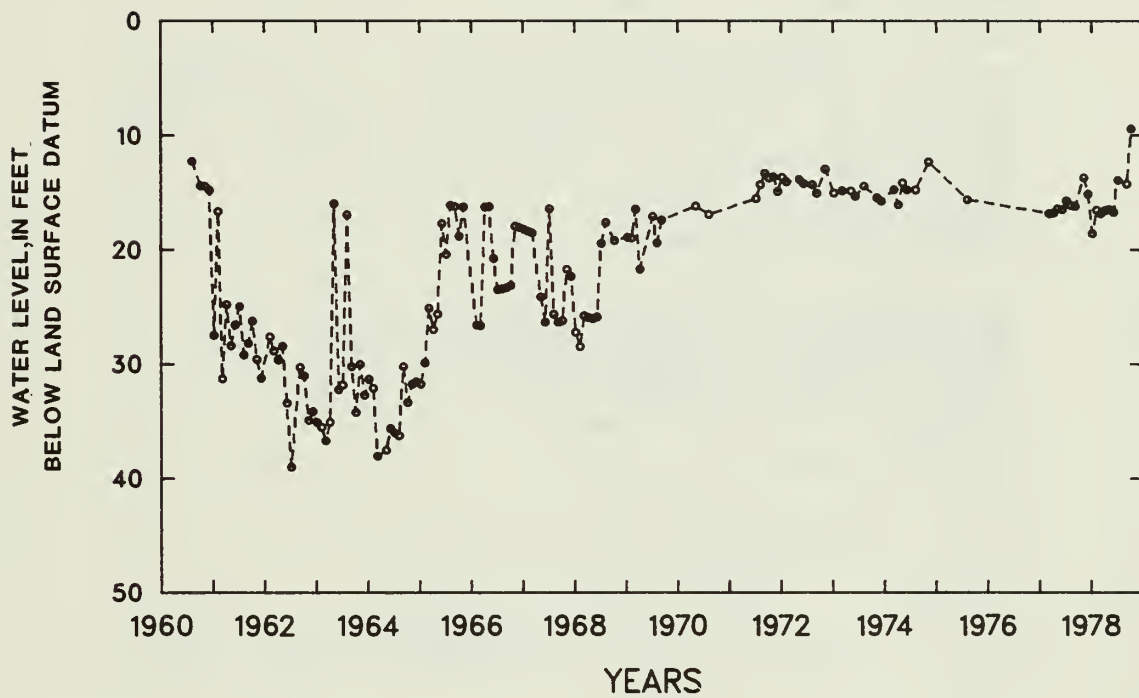


Figure 41.--Ground-water levels at Jayuya 4, local number 49.

LOCAL NUMBER : 54  
 WELL NAME : Calvache  
 LATITUDE : 18°18'58"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 52 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 67°13'26"  
 DEPTH : 85 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960			9.15	9.12	8.15	8.27	10.52	7.77	8.41	9.54	9.90	14.28 <sup>a</sup>
1961	23.81 <sup>a</sup>	9.86	23.43 <sup>a</sup>	24.15 <sup>a</sup>	25.45 <sup>a</sup>	9.97	9.08	10.80	23.79 <sup>a</sup>	9.19	22.80 <sup>a</sup>	
1962	24.94 <sup>a</sup>	12.63	13.48 <sup>b</sup>	14.58 <sup>b</sup>	31.05 <sup>a</sup>	30.85 <sup>a</sup>	57.70 <sup>a</sup>	10.05	9.40	9.81	9.65	10.14
1963	10.30	10.43	10.98	10.58	10.73	10.75	9.30	6.75	6.82	7.36		8.50
1964	9.25	9.01	9.15	9.54	8.79	9.00	6.96	6.01	7.02	6.59	7.71	7.89
1965	8.85	9.23	9.79		9.50	9.23	8.50	5.90	7.28	7.37	6.18	6.82
1966	6.80	8.95	9.40	9.45	9.70	9.10	6.82	6.95	7.59	7.70	8.30	8.10
1967	8.30	8.55	9.13	9.04	9.91	8.82	8.12	5.67	6.58	8.00	8.31	9.01
1968	9.05	9.60	9.68	10.34	9.27	6.24	5.52	5.54	5.60	6.23		6.50
1969	6.70		6.87									

REMARKS: Well discontinued, September 1969.

LOCAL NUMBER : 83  
 WELL NAME : San Sebastián  
 LATITUDE : 18°20'18"  
 DIAMETER : 6 inches

ELEVATION ABOVE MEAN SEA LEVEL: 230 feet  
 OWNER : P.R. Water Resources Authority  
 LONGITUDE : 66°59'32"  
 DEPTH : 300 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1967					32.64							
1968	31.11	30.77	30.82	31.18	30.90	27.99	28.22	28.39	28.44	28.13		28.13
1969	30.09		30.55	29.05	28.35	28.69	28.94	28.69			28.88	
1970							40.20	29.17	28.37			
1971					28.07	28.80	28.54	28.37	28.30	28.25	28.64	
1972		31.20		30.47	28.97					27.41		
1973		31.19	30.80		31.13	31.61	28.29	29.53	28.08			29.69
1974			30.88	31.14	31.39	28.89		30.11	26.34		28.59	
1975	30.61		31.01	32.17		29.99	28.85		28.33			29.21
1976	32.45			21.95	29.88	30.46	28.58	29.20	30.99	28.40	26.89	26.35
1977	30.40	30.66	30.96	31.18	30.52	29.32	28.80	29.32	28.35	29.69		29.48
1978	30.60	30.37	30.27	30.00	28.49	27.67		28.31	28.44	28.06	29.07	30.08
1979	30.00	29.26				26.82				27.67	29.73	28.98
1980	29.73	30.18	30.46	29.65	28.47		28.77	28.64	28.26	28.20	28.70	29.46
1981	29.88	29.63	30.02	28.69	29.35	26.83	28.35	28.69	28.80	28.60	27.42	28.18
1982	29.05	25.64	30.05	30.20	27.83	27.24	27.22	26.47	28.31	28.67	28.74	28.90
1983	29.04	29.75	30.22	30.71	29.38	26.88	28.53	30.55	27.96	27.90	27.85	29.08
1984	29.72	30.12	30.18	30.44	30.07	27.96	27.56	29.20	28.04			

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well



LOCAL NUMBER : 55  
 WELL NAME : Rincón 2  
 LATITUDE : 18°20'24"  
 DIAMETER : 8 inches

ELEVATION ABOVE MEAN SEA LEVEL: 39 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 67°13'26"  
 DEPTH : 130 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960												27.66
1961	26.33	26.68	35.61 <sup>a</sup>	36.37 <sup>a</sup>	27.66	24.99	23.74	32.93	24.85	30.91	31.34	
1962	35.85 <sup>a</sup>	30.03 <sup>b</sup>	31.24 <sup>a</sup>	37.90 <sup>a</sup>	40.00 <sup>a</sup>	37.30 <sup>a</sup>	35.49 <sup>a</sup>	34.71 <sup>a</sup>	35.11 <sup>a</sup>	36.68 <sup>a</sup>	36.97 <sup>a</sup>	38.11 <sup>a</sup>
1963	31.65	31.56 <sup>a</sup>	41.05 <sup>a</sup>	33.81 <sup>b</sup>	41.39 <sup>a</sup>	42.35 <sup>a</sup>	41.90 <sup>a</sup>	27.02	38.80 <sup>a</sup>	34.60 <sup>a</sup>	25.85	27.57
1964	30.55	37.30	34.21	36.80 <sup>a</sup>	36.80	35.80 <sup>a</sup>	37.80 <sup>a</sup>	33.80 <sup>a</sup>	31.80			
1965											33.06 <sup>a</sup>	26.33
1966	35.10 <sup>a</sup>	36.85 <sup>a</sup>	32.60	35.40	35.30	34.80 <sup>a</sup>	30.80	30.80	39.30 <sup>a</sup>	40.70 <sup>a</sup>	37.73 <sup>a</sup>	38.10 <sup>a</sup>
1967	38.00	38.10 <sup>a</sup>	38.00	37.90	43.31	38.35	36.80	26.88	23.83	26.64	34.21	39.09 <sup>a</sup>
1968	35.10	36.55 <sup>a</sup>	34.38	34.13	32.95	30.62 <sup>a</sup>	25.29	19.40	19.70	22.90		22.60
1969	21.70		28.14 <sup>a</sup>			41.10 <sup>a</sup>					33.00 <sup>a</sup>	

REMARKS: Well discontinued, December, 1969.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

LOCAL NUMBER : 57  
 WELL NAME : Bayaney  
 LATITUDE : 18°22'31"  
 DIAMETER : 12-20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 836 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°47'08"  
 DEPTH : 210 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959				112.1						88.88	91.45	98.46
1960	103.0	105.1	108.7	106.4	84.29	101.4	104.9		106.2	103.8	98.52	101.7
1961	122.7 <sup>a</sup>	104.1	128.6 <sup>a</sup>	106.1 <sup>a</sup>	98.78	105.9 <sup>a</sup>	111.6 <sup>a</sup>	105.3 <sup>a</sup>	70.39	122.4 <sup>a</sup>	94.68	
1962	104.4 <sup>a</sup>	106.4 <sup>a</sup>	123.3 <sup>a</sup>	124.1 <sup>a</sup>	114.3 <sup>a</sup>	107.6 <sup>a</sup>	127.9 <sup>a</sup>	124.7 <sup>a</sup>	126.9 <sup>a</sup>	130.3 <sup>a</sup>	125.5 <sup>a</sup>	129.0 <sup>a</sup>
1963	131.0 <sup>a</sup>	137.8 <sup>a</sup>		105.8 <sup>a</sup>	112.8 <sup>a</sup>	117.6 <sup>a</sup>	129.6 <sup>a</sup>	126.6 <sup>a</sup>			138.9 <sup>a</sup>	136.6 <sup>a</sup>
1964		141.0 <sup>a</sup>	151.0 <sup>a</sup>		151.5 <sup>a</sup>	151.1 <sup>a</sup>	131.6 <sup>a</sup>	134.2 <sup>a</sup>	122.8 <sup>a</sup>	143.2 <sup>a</sup>	139.8 <sup>a</sup>	114.0 <sup>a</sup>
1965	55.24 <sup>a</sup>	52.20 <sup>a</sup>	51.80 <sup>a</sup>	147.2 <sup>a</sup>		97.54 <sup>a</sup>	132.4 <sup>a</sup>	132.6 <sup>a</sup>	125.3 <sup>a</sup>	128.5 <sup>a</sup>	76.00 <sup>a</sup>	113.3 <sup>a</sup>
1966	120.2 <sup>a</sup>	126.1 <sup>a</sup>	137.0 <sup>a</sup>	31.60 <sup>a</sup>	32.35 <sup>a</sup>	139.4 <sup>a</sup>	52.33 <sup>a</sup>	51.60 <sup>a</sup>	62.10 <sup>a</sup>	61.60 <sup>a</sup>	133.4 <sup>a</sup>	123.5 <sup>a</sup>
1967	125.1 <sup>a</sup>	126.5 <sup>a</sup>	140.5 <sup>a</sup>	149.6 <sup>a</sup>	141.2 <sup>a</sup>	132.3 <sup>a</sup>	133.3 <sup>a</sup>	131.8 <sup>a</sup>	107.0 <sup>a</sup>	107.2 <sup>a</sup>	108.6 <sup>a</sup>	138.1 <sup>a</sup>
1968	133.1 <sup>a</sup>	134.0 <sup>a</sup>	144.5 <sup>a</sup>	148.8 <sup>a</sup>	150.3 <sup>a</sup>	150.6 <sup>a</sup>	101.6 <sup>a</sup>	144.3 <sup>a</sup>		89.40 <sup>a</sup>		98.50 <sup>a</sup>
1969	98.60		85.31	83.79		135.2	92.54		81.00			
1970		98.18							73.78			
1971				91.62					95.83			97.50

REMARKS: Well plugged, January 1972.

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

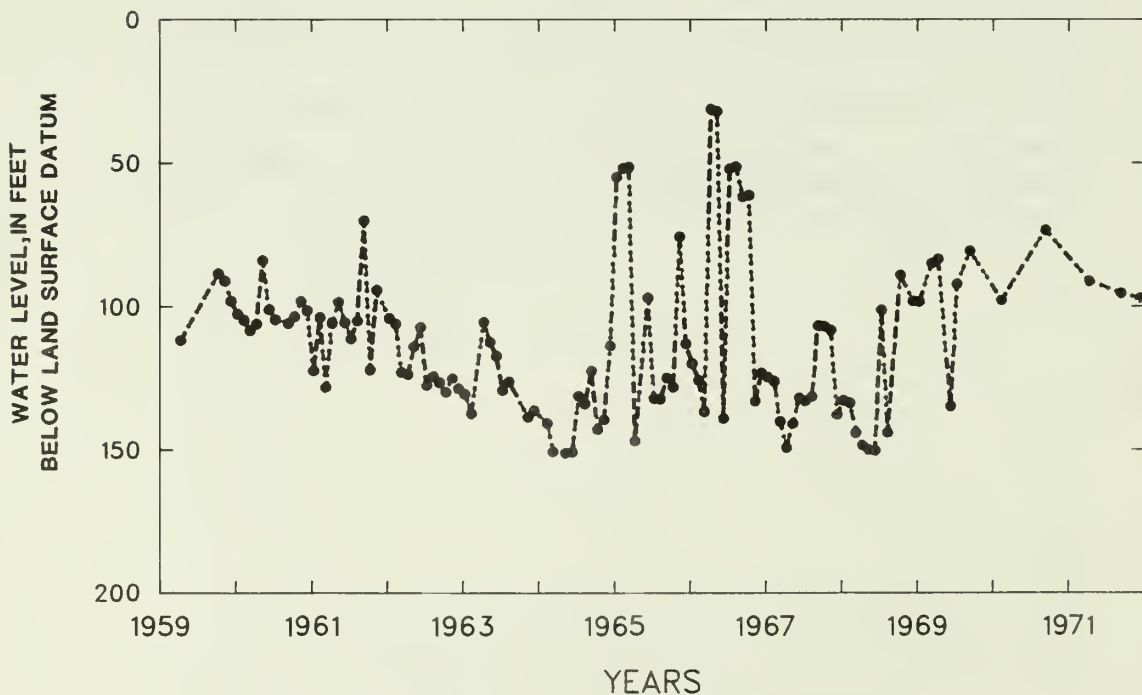
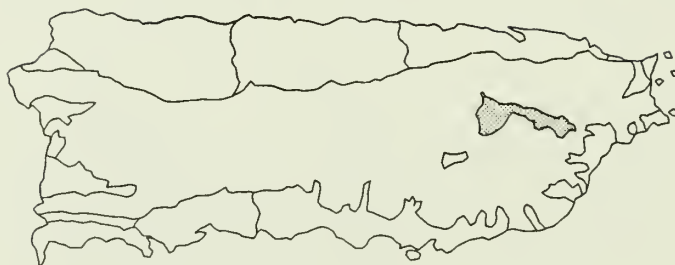


Figure 42.--Ground-water levels at Bayaney, local number 57.

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**WELLS IN THE  
INTERIOR PROVINCE  
Caguas-Juncos Valley**



LOCAL NUMBER : 29                      ELEVATION ABOVE MEAN SEA LEVEL: 76.2 feet  
WELL NAME : Juncos Well                OWNER : Sucesión Valdivieso  
LATITUDE : 18°02'10"                    LONGITUDE : 66°43'34"  
DIAMETER : 16 inches                    DEPTH : 160 feet

YEAR :	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1958 :								18.49 <sup>a</sup>	16.32	17.05	13.66 <sup>a</sup>	
1959 :		20.90 <sup>a</sup>	28.40 <sup>a</sup>	15.25 <sup>b</sup>		14.40			10.27	14.26	15.20	
1960 :	26.34 <sup>a</sup>	14.75 <sup>a</sup>	27.75 <sup>a</sup>	17.54 <sup>b</sup>	16.70 <sup>a</sup>	18.01 <sup>a</sup>	15.33 <sup>a</sup>	17.28 <sup>a</sup>	14.15 <sup>a</sup>	14.63 <sup>a</sup>	15.44 <sup>a</sup>	14.78 <sup>a</sup>
1961 :	20.40 <sup>a</sup>	16.77 <sup>a</sup>	16.10 <sup>a</sup>	20.44 <sup>a</sup>	21.60 <sup>a</sup>	27.30 <sup>a</sup>	20.40 <sup>a</sup>	16.89 <sup>a</sup>	16.25 <sup>b</sup>	14.00 <sup>a</sup>	16.09 <sup>b</sup>	
1962 :	12.92 <sup>b</sup>	19.60 <sup>b</sup>	16.65 <sup>b</sup>	16.61 <sup>b</sup>	20.40 <sup>b</sup>	22.39 <sup>b</sup>	19.36 <sup>a</sup>	17.33 <sup>a</sup>	17.78 <sup>a</sup>	17.75 <sup>a</sup>	20.70 <sup>a</sup>	22.90 <sup>a</sup>
1963 :	16.00 <sup>a</sup>	21.00 <sup>a</sup>	27.84 <sup>a</sup>	13.45 <sup>b</sup>	15.28 <sup>b</sup>	15.23 <sup>b</sup>	14.84 <sup>a</sup>	15.73 <sup>a</sup>	14.31 <sup>a</sup>	13.03 <sup>a</sup>	14.37 <sup>a</sup>	18.12 <sup>a</sup>
1964 :	18.80 <sup>a</sup>	21.77 <sup>a</sup>	23.40 <sup>a</sup>	19.38 <sup>a</sup>	14.56 <sup>a</sup>	16.69 <sup>a</sup>	17.70 <sup>a</sup>	22.91 <sup>a</sup>		18.8 <sup>a</sup>	20.10 <sup>a</sup>	
1965 :	18.69 <sup>a</sup>	29.40 <sup>a</sup>	30.50 <sup>a</sup>	27.42 <sup>a</sup>	18.80 <sup>a</sup>		16.75 <sup>a</sup>		14.32 <sup>a</sup>	17.12 <sup>a</sup>	14.41 <sup>a</sup>	
1966 :	18.30		18.43									

REMARKS: Well discontinued, April 1966.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
n nearby pumping well

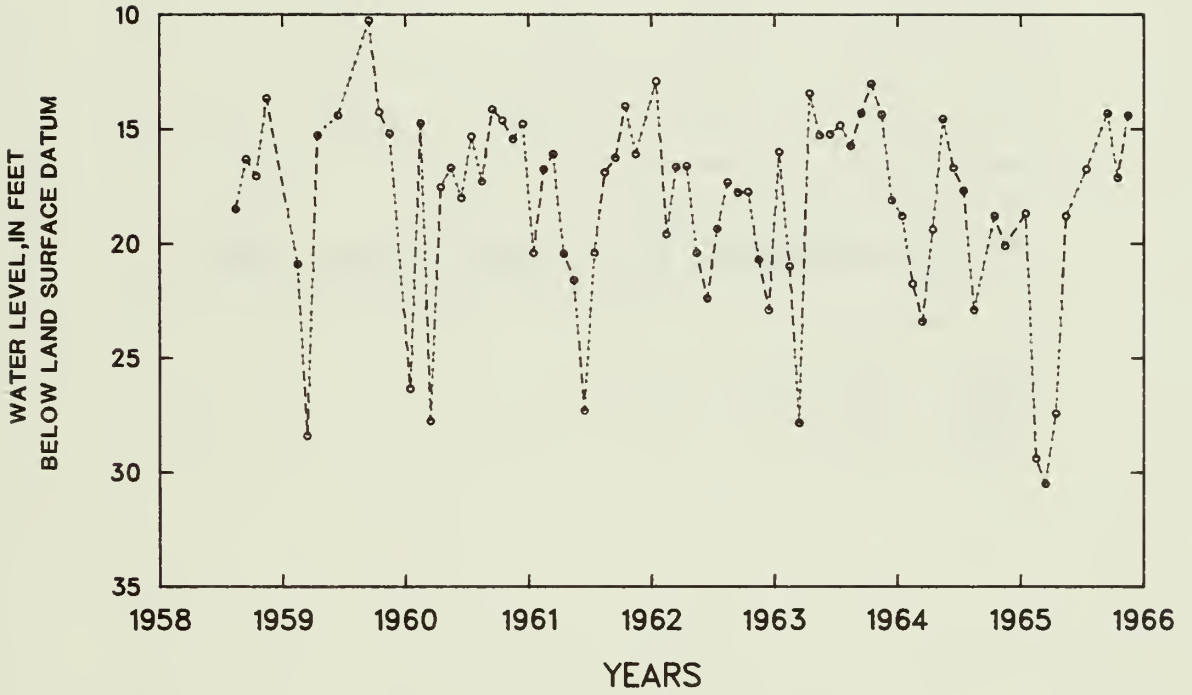


Figure 43.--Ground-water levels at Juncos Well, local number 29.

LOCAL NUMBER : 30  
 WELL NAME : Bauzá  
 LATITUDE : 18°02'11"  
 DIAMETER : 20 inches

ELEVATION ABOVE MEAN SEA LEVEL: 77.3 feet  
 OWNER : Sucesión Vaidivieso  
 LONGITUDE : 66°43'36"  
 DEPTH : 165 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958								13.94	17.04	17.47	14.33	
1959	15.87	19.56		17.57		15.03			11.06	14.62	15.58	
1960	32.20 <sup>a</sup>	15.20 <sup>a</sup>	34.70 <sup>a</sup>	18.48	17.26	18.84	15.82	16.99	14.49	15.15	15.89	15.09 <sup>a</sup>
1961	25.31 <sup>a</sup>	28.24 <sup>a</sup>	27.27 <sup>a</sup>	16.33	26.70 <sup>a</sup>	22.10 <sup>a</sup>	22.80 <sup>a</sup>	27.45 <sup>a</sup>	16.52	14.49	15.82	
1962	20.95 <sup>a</sup>	20.12 <sup>b</sup>	16.95 <sup>a</sup>	16.59	31.87 <sup>a</sup>	26.65 <sup>a</sup>	20.45 <sup>b</sup>	17.55 <sup>a</sup>	18.28 <sup>b</sup>	18.17	20.75 <sup>b</sup>	29.16 <sup>a</sup>
1963	16.50 <sup>a</sup>	20.16 <sup>a</sup>	44.03 <sup>a</sup>	21.06	15.48	15.64 <sup>a</sup>	26.02	26.13 <sup>a</sup>	14.51 <sup>a</sup>	13.12	14.56	17.20 <sup>b</sup>
1964	29.60 <sup>a</sup>	28.80 <sup>a</sup>	31.50 <sup>a</sup>	20.05	14.89	29.10	18.37	39.61 <sup>a</sup>		18.30 <sup>a</sup>	37.50	
1965	20.35 <sup>a</sup>	29.30 <sup>a</sup>	27.02	34.50 <sup>a</sup>	18.28	16.90	26.82	17.61 <sup>a</sup>	15.12		25.15 <sup>a</sup>	
1966	32.68 <sup>a</sup>		32.99 <sup>a</sup>	31.57 <sup>a</sup>	34.46 <sup>a</sup>	32.53 <sup>a</sup>	41.40 <sup>a</sup>	34.08 <sup>a</sup>	37.09 <sup>a</sup>	18.37	34.38 <sup>a</sup>	29.87 <sup>a</sup>
1967	33.04 <sup>a</sup>	35.33 <sup>a</sup>	36.56 <sup>a</sup>	39.18	40.01 <sup>a</sup>	40.13 <sup>a</sup>	42.69 <sup>a</sup>	44.24 <sup>a</sup>	18.90	19.43	20.13	21.99
1968	36.40 <sup>a</sup>	40.34 <sup>a</sup>	21.16		41.40 <sup>a</sup>	34.18 <sup>a</sup>	31.94 <sup>a</sup>	16.33				

REMARKS: Well discontinued, September 1968.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

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LOCAL NUMBER : 50                      ELEVATION ABOVE MEAN SEA LEVEL: 148 feet  
 WELL NAME : Gurabo Experimental      OWNER : Gurabo Agricultural Station  
 LATITUDE : 18°15'50"                  LONGITUDE : 65°59'32"  
 DIAMETER : 13 inches                  DEPTH : 145 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1960												21.89
1961	23.76		25.28	28.73	27.32	27.13	25.07	27.84	25.98	26.38	24.68	23.58
1962	23.65	23.72	27.39	28.96	25.60	25.47	29.42	26.78	27.15	27.66	26.34	27.05
1963	26.30	26.87	28.88	30.83	28.26	25.80	30.39	28.32	26.41	26.04	26.18	26.58
1964	26.92		30.54	30.65	30.69	30.08	27.24	27.12	27.26	26.54	26.43	
1965				29.83	29.52	23.61	24.23		24.46	24.58	24.35	24.23
1966	24.19		23.94		24.10			26.47	25.80	25.52	25.35	25.53
1967	24.69	26.73	27.00	31.13	32.00	32.72	30.21		30.16	30.12	29.75	
1968	30.26		30.10	29.35	30.24	29.87	25.37	24.52	24.50	24.61		24.80
1969			26.28	27.15	23.90	26.62		24.50	23.34			25.89
1970	26.33		27.10	27.67	28.11		22.18	24.83	23.48			
1971	28.63		28.96		28.53		29.32	29.12	29.18	30.48	30.32	29.88
1972	31.16	31.82		31.07	32.70			31.04	30.57		29.88	
1973	29.98		30.85	32.12	34.00	32.85	32.50	30.38				
1974			32.85		34.52							
1975			32.95	33.78		44.38		36.42	12.65	30.23	30.28	28.14
1976				30.02	30.69	31.97	29.24	28.40	29.60	28.20	27.97	28.30
1977	29.31	32.99	34.32	36.41	35.45	31.72	34.58	32.78	30.40	29.29		31.04
1978		29.41	27.28	26.28	28.20	26.50	29.02	29.67	26.51	26.99	25.60	
1979	25.39	24.62	24.82	30.14	28.72	29.83	31.22	31.32		30.38	30.61	30.34
1980		30.44	30.80	30.40	28.93	29.02	30.43	30.79	26.89	28.96	35.29	29.68
1981	30.36	31.28			30.59	29.28	28.68		28.77	27.94	26.90	27.88
1982	26.97	27.01	26.97	27.13	29.13	29.06	29.85	28.75	28.64	29.05	28.53	25.93
1983	28.19	28.14	28.19	28.25	26.18	28.85	28.81	29.78	29.57	29.83	28.99	29.55
1984	29.44	28.86	29.17	31.34	34.33	30.15	26.96	30.20	30.45	29.86	27.35	29.40
1985	30.62	30.34	29.74									

REMARKS: Well discontinued, April 1985.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well



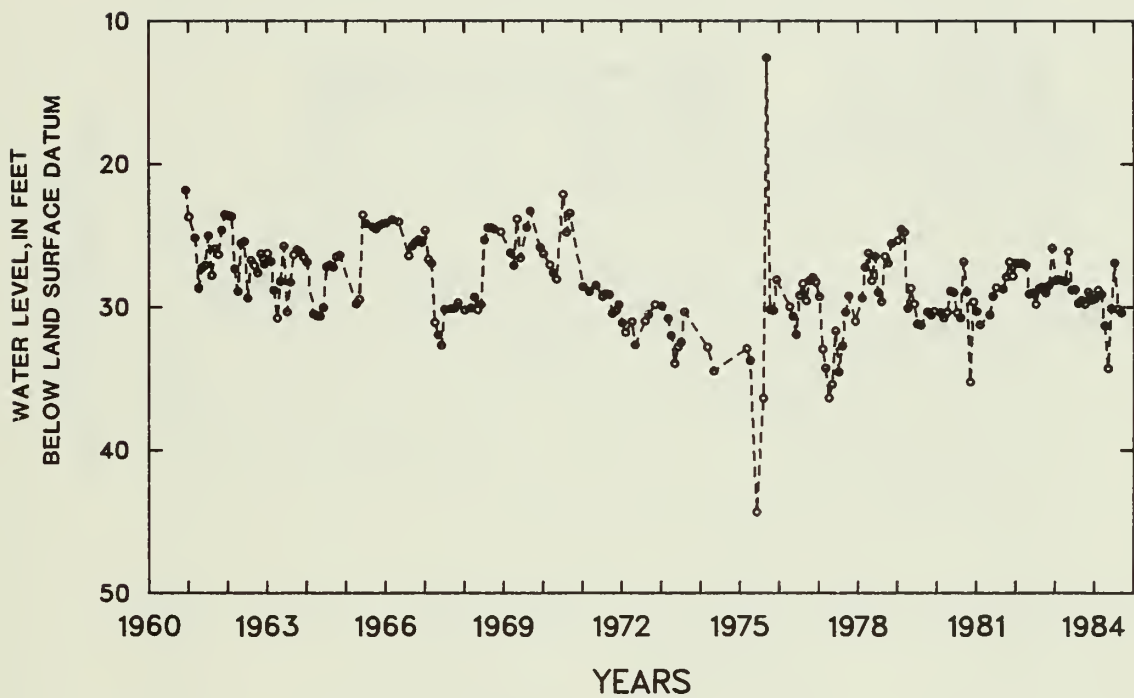


Figure 44.--Ground-water levels at Gurabo Experimental Station, local number 50.

LOCAL NUMBER : 51                      ELEVATION ABOVE MEAN SEA LEVEL: 197.4 feet  
WELL NAME : Old well 4                OWNER : Gurabo Experimental Station  
LATITUDE : 18°15'08"                LONGITUDE : 65°59'24"  
DIAMETER : 10 inches                DEPTH : 270 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1960												11.13
1961	13.68		14.58	15.04	14.72	14.87	14.78	14.93	13.93	13.54	13.19	13.50
1962	13.94	14.24	14.92	14.81	13.87	13.80	14.01	14.37	13.70	14.24	15.00	14.27
1963	15.18	15.37	15.98	15.60	14.39	15.60	14.43	14.43	14.69	14.95	15.05	15.73

a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

LOCAL NUMBER : 52                      ELEVATION ABOVE MEAN SEA LEVEL: 200 feet  
WELL NAME : Bairoa                    OWNER : P.R. Aqueduct and Sewer Authority  
LATITUDE : 18°15'38"                LONGITUDE : 66°02'13"  
DIAMETER : 16-10 inches            DEPTH : 116 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC
1959							72.80 <sup>a</sup>		72.30 <sup>a</sup>	70.40 <sup>a</sup>	70.30 <sup>a</sup>	73.90 <sup>a</sup>
1960	73.30 <sup>a</sup>	73.30 <sup>a</sup>	73.50 <sup>a</sup>	74.10 <sup>a</sup>	74.20 <sup>a</sup>	71.00 <sup>a</sup>	74.40 <sup>a</sup>	74.10 <sup>a</sup>	74.10 <sup>a</sup>	75.20 <sup>a</sup>	79.70 <sup>a</sup>	
1961	79.80 <sup>a</sup>		77.60 <sup>a</sup>	34.45 <sup>b</sup>	74.70 <sup>a</sup>	79.70 <sup>a</sup>	78.40 <sup>a</sup>	79.80 <sup>a</sup>	79.90 <sup>a</sup>	79.00 <sup>a</sup>	79.80 <sup>a</sup>	80.10 <sup>a</sup>
1962	79.10 <sup>a</sup>	77.10 <sup>a</sup>	18.84 <sup>a</sup>	17.08	15.45	15.11	77.10 <sup>a</sup>	16.84	15.95	25.60	24.60	19.00
1963	20.48	18.90	82.20 <sup>a</sup>	18.83	19.40	17.70	20.94	17.26	16.59	16.48	16.78	17.72 <sup>a</sup>
1964	18.08	18.39	19.54 <sup>a</sup>			19.93 <sup>a</sup>		18.53	85.68 <sup>a</sup>	80.53 <sup>a</sup>	78.50 <sup>a</sup>	78.37 <sup>a</sup>
1965	60.94 <sup>a</sup>	60.20 <sup>a</sup>	72.33 <sup>a</sup>	72.63 <sup>a</sup>	72.48 <sup>a</sup>	74.08 <sup>a</sup>	72.79 <sup>a</sup>	72.33 <sup>a</sup>	72.58 <sup>a</sup>	72.83 <sup>a</sup>	72.62 <sup>a</sup>	72.49 <sup>a</sup>
1966	72.33 <sup>a</sup>		74.29 <sup>a</sup>	20.40	20.63		19.62	21.77				
1967				55.32 <sup>a</sup>		87.30 <sup>a</sup>						
1968	79.60 <sup>a</sup>	79.79 <sup>a</sup>	81.25 <sup>a</sup>	79.50 <sup>a</sup>	80.40 <sup>a</sup>	79.28 <sup>a</sup>	78.00 <sup>a</sup>	78.93 <sup>a</sup>		87.34 <sup>a</sup>		
1969			74.60 <sup>a</sup>	80.80 <sup>a</sup>	77.90 <sup>a</sup>	32.47 <sup>a</sup>		27.89 <sup>a</sup>				68.70 <sup>a</sup>
1970	61.88 <sup>a</sup>		63.26 <sup>a</sup>	66.17 <sup>a</sup>	69.08 <sup>a</sup>		68.13 <sup>a</sup>	74.13 <sup>a</sup>	73.89 <sup>a</sup>			
1971	77.08 <sup>a</sup>		73.42 <sup>a</sup>		71.85 <sup>a</sup>		79.95 <sup>a</sup>	81.44 <sup>a</sup>	63.76 <sup>a</sup>	78.41 <sup>a</sup>		79.75 <sup>a</sup>
1972				81.22 <sup>a</sup>	79.90 <sup>a</sup>							
1973	98.12 <sup>a</sup>		97.50 <sup>a</sup>	96.10 <sup>a</sup>	99.25 <sup>a</sup>	92.27 <sup>a</sup>	97.03 <sup>a</sup>	93.88 <sup>a</sup>		96.70 <sup>a</sup>		
1974	89.50 <sup>a</sup>		91.80 <sup>a</sup>	100.6 <sup>a</sup>	98.50 <sup>a</sup>							
1975			50.49 <sup>a</sup>	72.90 <sup>a</sup>		115.1 <sup>a</sup>		100.2 <sup>a</sup>	94.18 <sup>a</sup>	91.90 <sup>a</sup>	91.55 <sup>a</sup>	91.08 <sup>a</sup>
1976	86.00 <sup>b</sup>		21.60 <sup>a</sup>	22.82 <sup>a</sup>	9.60 <sup>a</sup>		12.69 <sup>a</sup>	26.93 <sup>a</sup>	24.16 <sup>a</sup>	26.14 <sup>a</sup>	29.02 <sup>a</sup>	14.77 <sup>a</sup>
1977	27.93 <sup>a</sup>	80.50 <sup>a</sup>	82.20 <sup>a</sup>		80.15 <sup>a</sup>	89.88 <sup>a</sup>	79.83 <sup>a</sup>	88.06 <sup>a</sup>	80.55 <sup>a</sup>	83.48 <sup>a</sup>		
1978		80.63 <sup>a</sup>	80.60 <sup>a</sup>	19.34 <sup>a</sup>	16.82 <sup>a</sup>	16.18 <sup>a</sup>	53.07 <sup>a</sup>	77.60 <sup>a</sup>		74.71 <sup>a</sup>	75.99 <sup>a</sup>	81.45 <sup>a</sup>
1979	81.39 <sup>a</sup>	77.52 <sup>a</sup>	81.60 <sup>a</sup>	80.90 <sup>a</sup>	65.78 <sup>a</sup>	81.35 <sup>a</sup>	77.16 <sup>a</sup>	78.39 <sup>a</sup>		24.68 <sup>a</sup>	0.92 <sup>a</sup>	71.63 <sup>a</sup>
1980		72.40 <sup>a</sup>	77.35 <sup>a</sup>	79.95 <sup>a</sup>	81.83 <sup>a</sup>	81.97 <sup>a</sup>	81.08 <sup>a</sup>	80.45 <sup>a</sup>	81.48 <sup>a</sup>	81.62 <sup>a</sup>	80.22 <sup>a</sup>	81.13 <sup>a</sup>
1981	81.10 <sup>a</sup>	80.65 <sup>a</sup>	80.12 <sup>a</sup>		84.45 <sup>a</sup>	82.70 <sup>a</sup>	31.36 <sup>a</sup>		24.74 <sup>a</sup>	29.59 <sup>a</sup>	29.04 <sup>a</sup>	27.71 <sup>a</sup>
1982	28.58 <sup>a</sup>	28.34 <sup>a</sup>	29.62 <sup>a</sup>	80.35 <sup>a</sup>	77.19 <sup>a</sup>	23.46 <sup>a</sup>	22.70 <sup>a</sup>	21.27 <sup>a</sup>	81.44 <sup>a</sup>	80.28 <sup>a</sup>	77.37 <sup>a</sup>	72.89 <sup>a</sup>
1983	74.78 <sup>a</sup>	74.24 <sup>a</sup>	74.64 <sup>a</sup>	75.96 <sup>a</sup>	75.05 <sup>a</sup>	74.17 <sup>a</sup>	74.85 <sup>a</sup>	74.78 <sup>a</sup>	75.10 <sup>a</sup>	73.51 <sup>a</sup>	73.76 <sup>a</sup>	73.16 <sup>a</sup>
1984	74.08 <sup>a</sup>	75.53 <sup>a</sup>	79.85 <sup>a</sup>	80.08 <sup>a</sup>	78.85 <sup>a</sup>	73.01 <sup>a</sup>	73.12 <sup>a</sup>	76.22 <sup>a</sup>	26.23 <sup>a</sup>	80.60 <sup>a</sup>	74.27 <sup>a</sup>	78.50 <sup>a</sup>
1985	16.60	17.32	57.32									

REMARKS: Well discontinued, April 1985.  
a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

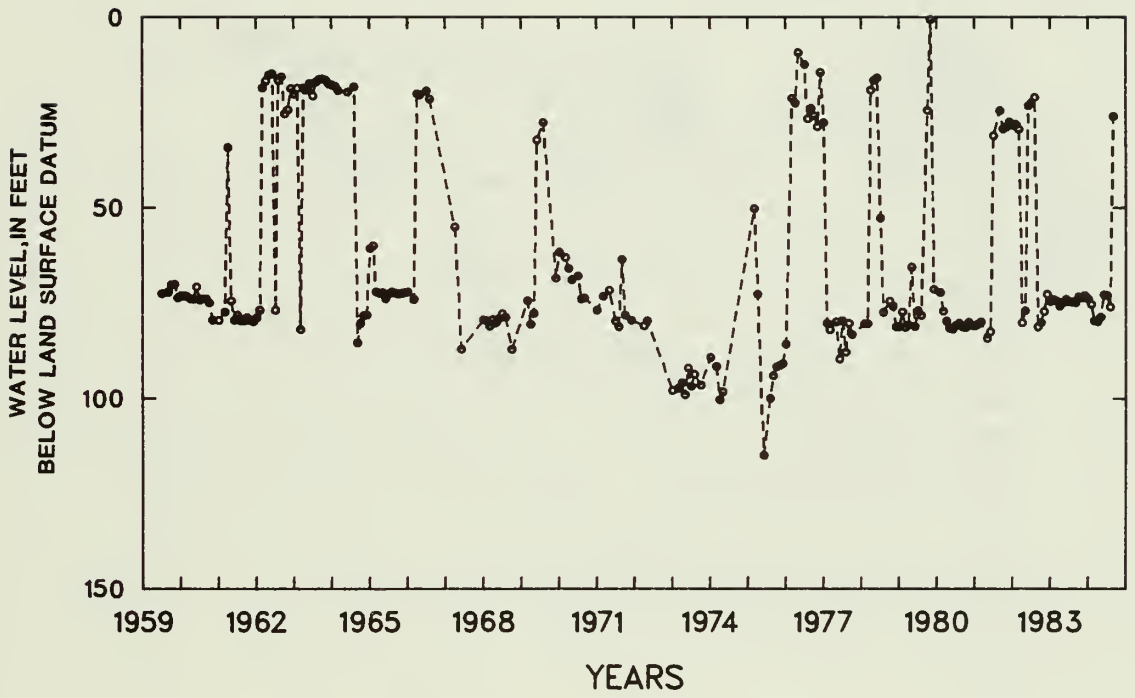


Figure 45.--Ground-water levels at Bairoa,  
local number 52.



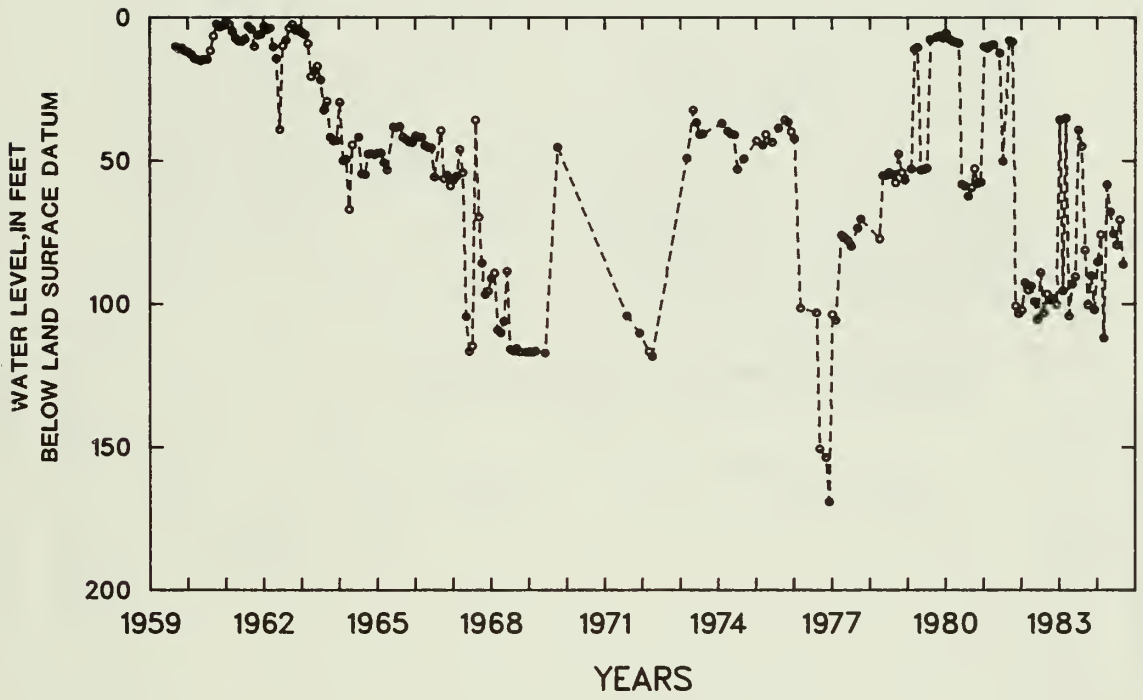


Figure 46.--Ground-water levels at Cayey 10, local number 33.

LOCAL NUMBER : 34  
 WELL NAME : Cayey 9  
 LATITUDE : 18°07'41"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,214 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°08'07"  
 DEPTH : 167 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									9.36	9.32	9.38	9.63
1960	9.95	10.01	10.35	9.98	9.37	9.18	9.30	7.28	7.09	7.88	8.27	7.63
1961	7.79	7.47	9.21	9.42	8.17	8.45	6.24	7.57	7.72	6.81	7.41	7.07
1962	7.44	7.73	8.19	7.90	7.63	8.67	6.80	7.94	7.09	7.95	8.20	8.55
1963	8.60	8.55	8.83	8.91	8.94	7.90	8.55	8.68	8.33	8.32	8.62	9.09
1964	9.17	9.30	9.39	9.54	9.38		8.75	8.50	9.09	7.86	9.06	8.99
1965			44.99 <sup>a</sup>	50.99 <sup>a</sup>	50.57 <sup>a</sup>	8.26	17.97 <sup>a</sup>	17.47 <sup>a</sup>	27.96 <sup>a</sup>	28.64 <sup>a</sup>	43.11 <sup>a</sup>	43.02 <sup>a</sup>
1966	41.02 <sup>a</sup>	49.13 <sup>a</sup>	54.59 <sup>a</sup>	50.58 <sup>a</sup>	51.48 <sup>a</sup>	51.60 <sup>a</sup>	51.73 <sup>a</sup>		42.43 <sup>a</sup>	8.70 <sup>a</sup>	41.69 <sup>a</sup>	48.85 <sup>a</sup>
1967	42.50 <sup>a</sup>	15.61	56.55 <sup>a</sup>	55.78 <sup>a</sup>	99.48 <sup>a</sup>	97.40 <sup>a</sup>	108.5 <sup>a</sup>	54.85 <sup>a</sup>	61.17 <sup>a</sup>	56.78 <sup>a</sup>	56.70 <sup>a</sup>	15.57 <sup>a</sup>
1968	13.79	11.41	10.93	11.26	78.50 <sup>a</sup>	10.88	10.34	9.47				

REMARKS: Well discontinued, September 1968.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded,  
 n nearby pumping well

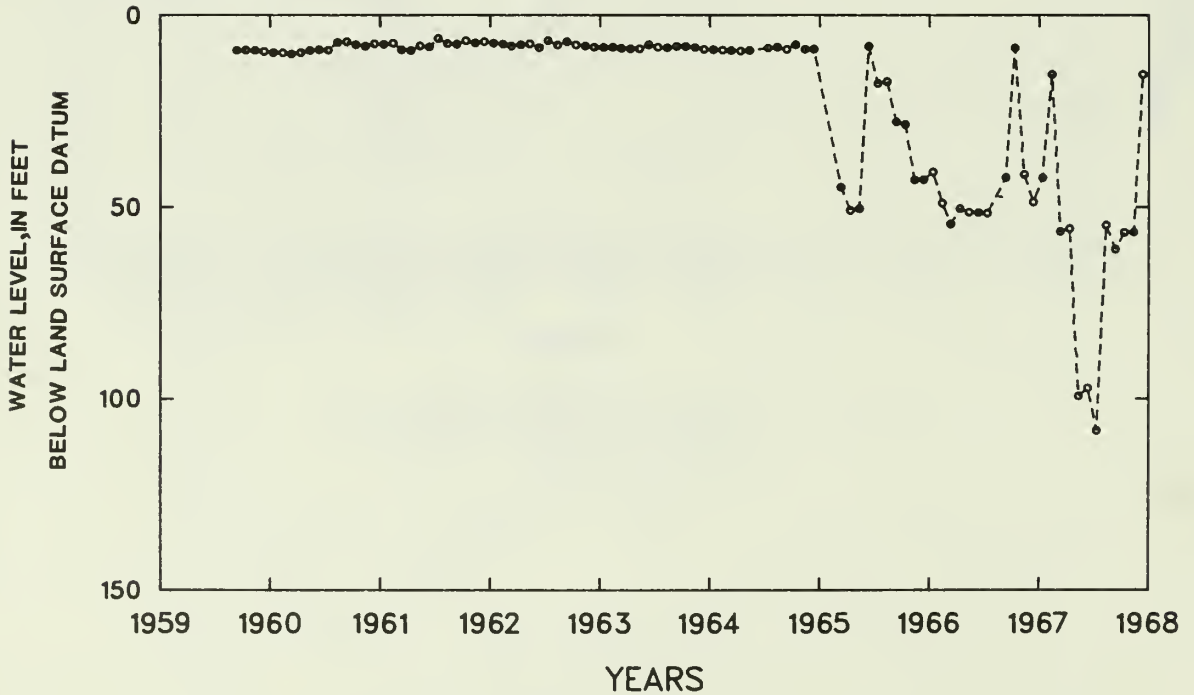


Figure 47.--Ground-water levels at Cayey 9, local number 34.

LOCAL NUMBER : 35  
 WELL NAME : Cayey Mogate  
 LATITUDE : 18°07'14"  
 DIAMETER : 12-16 inches

ELEVATION ABOVE MEAN SEA LEVEL: 1,260 feet  
 OWNER : P.R. Aqueduct and Sewer Authority  
 LONGITUDE : 66°08'07"  
 DEPTH : 167 feet

YEAR	MONTHS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959									36.30	37.58	36.66	36.15
1960	30.60	32.55	50.10	61.80	38.00	34.80	34.10	29.90	33.85	21.75	25.35	22.62
1961	22.90	25.19	23.15	25.96	25.72	27.09	26.37	23.74	20.79	20.14	16.60	17.67
1962	16.37	19.20	20.01	21.57	22.40	24.40	24.16	23.09	19.31	20.20	21.23	22.93
1963	23.49	24.08	24.96	26.77	27.82	27.16	27.73	28.39	27.10	28.20	26.25	29.40
1964	26.33	29.24	31.93	44.46	47.58		38.36	65.20	66.89	78.89	78.90	78.96
1965	97.54	93.68	99.16	99.77								

REMARKS: Discontinued, April 1965.  
 a pumping, b recently pumped, e estimated, h tape measurement, j lowest water level recorded, n nearby pumping well

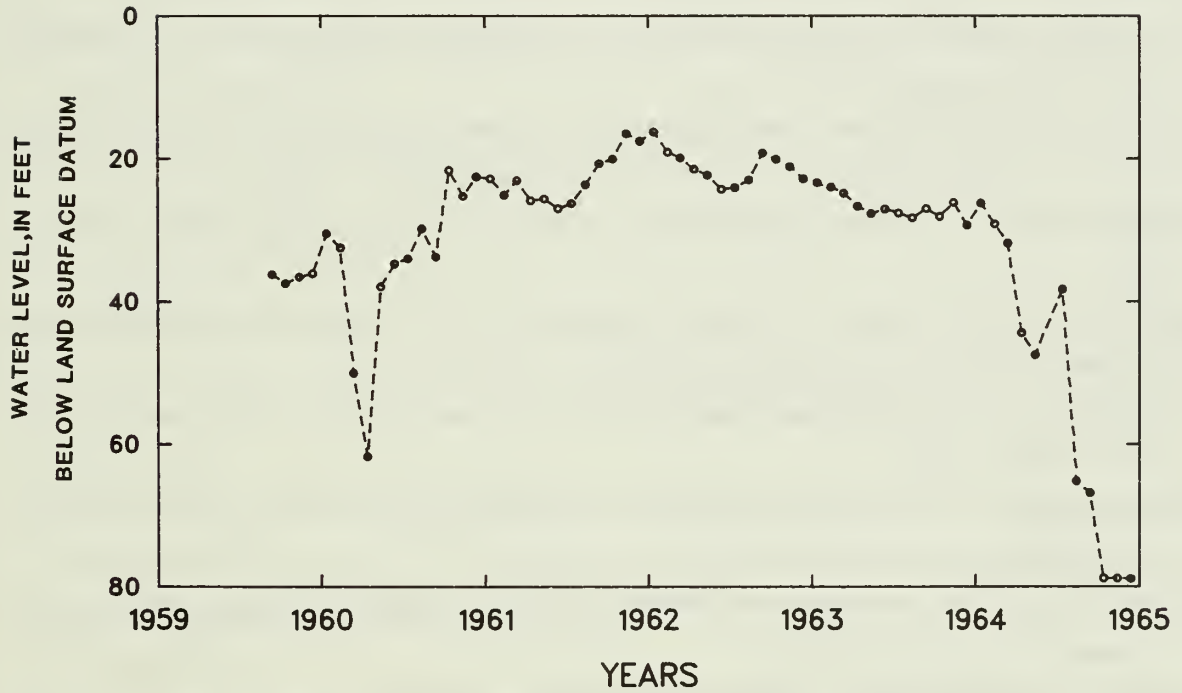


Figure 48.--Ground-water levels at Cayey Mogate, local number 35.



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