

ANNEX 3D

Comparison between Flow Meter Method and Temporary Method on Discharge

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (1/9)

	No. of Well	ZONA BAJA	DISCHARGE	B/A	MEASUREMENT	
	(on Map)	NAME OF WELLS	in 2003 Year (M3/Day)		B (Pump)	A (Meter)
1	84	LAS BRISAS	5,990			
2	82	MONSEÑOR LEZCANO	6,143			
3	8	SAN ANTONIO	4,461			
4	9	OLOF PALME	4,227			
5	10	MERCADO ORIENTAL	3,949			
6	11	COL. TENDERI	4,003			
7	12	BELLO HORIZONTE	3,594			
8	13	RAFAELA HERRERA	6,148			
9	77	VILLA FRATERNIDAD	1,711	1.08		
10	78	BUENOS AIRES	5,863			
11	41	SAN CRISTOBAL N°-1	1,586	1.27		
12	104	SAN CRISTOBAL N°-3	1,202		-	
13	14	MERCEDES N°-9	1,426			
14	17	MERCEDES N°-1	3,334			
15	18	MERCEDES N°-3	10,537			
16	19	MERCEDES N°-4	9,934			
17	20	MERCEDES N°-5	4,496			
18	22	MERCEDES N°-6	3,103			
19	21	MERCEDES N°-7	2,646			
20	24	MERCEDES N°-8	2,004			
21	25	MERCEDES N°-14	2,305			
22	26	MERCEDES N°-15	6,095			
23	79	MERCEDES N°-16	5,355			
24	80	MERCEDES N°-17	4,420			
25	81	MERCEDES N°-18	4,689			

Note

A: measured discharge by a flow meter

B: calculated discharge by ability of pump (a temporally method)

	No. of Well	ZONA BAJA	DISCHARG	B/A	MEASUREMENT	
	(on Map)	NAME OF WELLS	E in 2003 (M3/Day)		B (Pump)	A (Meter)
26	6	SATERITE ASOSOSCA N°3. (E.CONTRERAS No.3)	5,689	0.99		
27	1	(SAN) FRANCISCO J.N°1 (C.SANDINO No.1)	1,275	0.90		
28	2	SAN FRANCISCO J.N°2 (C.SANDINO No.2)	3,778	1.26		
29	3	SAN FRANCISCO J.N°3 (C.SANDINO No.3)	3,191	1.09		
30	94	SAN FRANCISCO J.N°4 (SN.CARLOS)	4,258	1.09		
31	102	JICA N° 5	2,720	3.09		
32	96	EL RETIRO (RENE CISNEROS)	2,071			
33	106	NICARAO No.3 (39) (COLONIA NICARAO)	1,245	1.33		
34	27	SABANA GRANDE No 1	2,159			
35	28	SABANA GRANDE No 2	4,628	1.01		
36	29	SABANA GRANDE No 3	2,297			
37	30	SABANA GRANDE No 4	4,481	0.96		
38	31	SABANA GRANDE No 5	4,765			
39	68	V. AUSTRIA (JICA No 4)	1,299			
40	46	VILLA LIBERTAD	1,540			
41	55	SHELL METROCENTRO	4,149			
42	54	LOS GAUCHOS	3,765			
43	53	PARQUE LAS MADRES	3,506			
44	89	I.N.E CENTRAL	3,134			
45	52	LA MASCOTA (HOSP. DEL NINO LA MASCOTA)	3,101	1.04		
46	34	ALTAMIRA N°- 4	1,450			
47	35	ALTAMIRA N°- 5	1,278			
48	57	PLAZA EL SOL (LA CATEDRAL)	4,734	1.05		
49	91	LAUREANO MAIRENA	1,441			
50	112	ANEXO V. LIVERTAD	2,179			
51	111	NUEVA VIDA	850	0.79		
52	48	14 DE SEPTIEMBRE	1,415			

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (2/9)

	No. of Well (on Map)	ZONA BAJA NAME OF WELLS	DISCHARGE E in 2003 (M3/Day)	B/A	MEASUREMENT	
					B (Pump)	A (Meter)
53	58	KM 8.5 C. SUR(S Patr)	2,127			
54	59	KM 9.2 C. SUR	1,519			
55	86	KM 11.5 C. SUR	1,218			
56	95	KM 13.5 C. SUR	2,332			
57	60	KM 14.5 C. SUR	1,359			
58	61	KM 14.5 C. VIEJA A LEON	1,990			
59	90	Km 7 C. MASAYA	2,206			
60	70	VERACRUZ N°- 2	2,991			
	70	(VALLE GOTHEL N°- 2)				
61	71	VERACRUZ N°- 3	1,941			
	71	(VALLE GOTHEL N°- 3)				
62	74	VERACRUZ N°- 4	3,403			
63	75	VERACRUZ N°- 5	2,816			
64	76	VERACRUZ N°- 6	2,962			
65	108	CENTROAMERICA N°- 4	1,378			
66	50	REPTO. SHICK N°- 2	2,444	0.92		
	-49	(VILLA CUBA No.2)				
67	88	REPARTO. SHICK N°- 3	1,473			
68	109	REPARTO. SHICK N°- 4	833			
69	43	SAN JUDAS N°- 1	2,066			
70	44	SAN JUDAS N°- 2	2,679	0.95		
71	45	SAN JUDAS N°- 3 (v. hermosa)	1,818			
72	85	LOMA LINDA	1,703			
	85	(SIERRA MAESTRA)				
73	64	TORRES MOLINA N°-1	2,093			
74	110	TORRES MOLINA N°-2	1,759			
75	66	VILLA PANAMA	2,655			
76	51	MANOLO MORALES	2,463			
77	63	(HOSP.) BERTA CALDERON	2,687	1.20		
	63	(TORRES MOLINA)				
78	62	(HOSP.) VELEZ PAIZ	2,677	1.06		
79	87	JULIO MARTINEZ	3,627			
80	93	PADRE FABRETO	174			
81	97	SAN ISIDRO DE LA CRUZ VERDE 2	1,330	1.11		
82	113	ALPES N°- 1	263			
83	114	ALPES N°- 2	314			
	114	(LOS ALPES)				
84	115	ALPES N°- 3	495	1.15		
85	116	ALTOS DE SANTO DOMINGO	5,474			
86	117	KM. 17 CARRETERA SUR	1,828			
87	65	UNAN	1,899			

	No. of Well (on Map)	ZONA BAJA NAME OF WELLS	DISCHARGE in 2003 Year (M3/Day)	B/A	MEASUREMENT	
					B (Pump)	A (Meter)
88	133	P-1	3,287			
89	134	P-2	3,239			
90	135	P-3	2,976			
91	136	P-4	2,410			
92	137	P-5	3,770			
93	138	P-6	0			
94	139	P-7	3,878			
95	140	P-8	3,220			
96	141	P-9	3,940			
97	142	P-10	3,852			
98	143	P-11	3,297			
99	144	P-12	3,905			
100	145	P-13	4,238			
101	146	P-14	2,521			
102	147	P-15	2,992			
103	148	P-16	0			
104	118	W-1	3,653			
105	119	W-2	4,030			
106	120	W-3	4,067			
107	121	W-4	3,126			
108	122	W-5	4,708			
109	123	W-6	4,299			
110	124	W-7	3,826			
111	125	W-8	2,144			
112	126	E-1	3,782			
113	127	E-2	3,203			
114	128	E-3	1,635			
115	129	E-4	4,185			
116	130	E-5	2,302			
117	131	E-6	3,487			
118	132	E-7	3,785			

119	149	Chiquistagua	1,261			
120	150	Cedro Galan	694			
121	151	Planetanium	1,907			

Note

A: measured discharge by a flow meter

B: calculated discharge by ability of pump (a temporally method)

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (3/9)

< ZONA BAJA >

9 VILLA FRATERNIDAD (77)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
1	19.00	6630	1,748	-	-
2	19.00	8388	1,758	1,747.54	0.99
3	19.00	10270	1,882	1,747.54	0.93
4	18.83	12030	1,760	1,731.90	0.98
5	19.00	13580	1,550	1,747.54	1.13
6	19.00	14885	1,305	1,747.54	1.34
7	19.00	16470	1,585	1,747.54	1.10
Ave.					1.08

11 SAN CRISTOBAL (41)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		943136			
10	24.00	944460	1,324	1,739	1.31
11	24.00	945795	1,335	1,739	1.30
12	24.00	947121	1,326	1,739	1.31
13	24.00	948423	1,302	1,739	1.34
14	24.00	949665	1,242	1,739	1.40
15	19.50	950765	1,100	1,413	1.28
16	0.00	950765	-	-	
17	22.00	950765	-	1,594	
18	24.00	950765	-	1,739	
19	24.00	950765	-	1,739	
20	24.00	950765	-	1,739	
21	24.00		-	1,739	
22	24.00		-	1,739	
23	24.00		-	1,739	
24	24.00		-	1,739	
25	24.00		-	1,739	
26	24.00		-	1,739	
27	24.00		-	1,739	
28	24.00		-	1,739	
29	24.00		-	1,739	
30	24.00		-	1,739	
31	24.00		-	1,739	
1 / SEP.	24.00	950765	-	1,739	
2	24.00	951960	1,195	1,739	1.45
3	24.00	952753	793	1,739	2.19
4	24.00	952753	-	1,739	-
5	24.00	954435	1,682	1,739	1.03
6	24.00	955280	845	1,739	2.06
7	24.00	955280	-	1,739	-
8	24.00	956963	1,683	1,739	1.03
9	24.00	957815	852	1,739	2.04
10	24.00	958677	862	1,739	2.02
11	24.00	959548	871	1,739	2.00
12	24.00	960420	872	1,739	1.99
Ave.					1.27

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (4/9)

< ZONA ALTA >

45 HOSP. DEL NIÑO LA MASCOTA (52)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		2020850			
10 /Julio	24.00	2024104	3,254.0	3,264.8	1.00
11	24.00	2027297	3,193.0	3,264.8	1.02
12	24.00	2031162	3,865.0	3,264.8	0.84
13	24.00	2033691	2,529.0	3,264.8	1.29
14	24.00	2036764	3,073.0	3,264.8	1.06
15	20.00	2039409	2,645.0	2,720.7	1.03
16	24.00	2042418	3,009.0	3,264.8	1.09
17	24.00	2045777	3,359.0	3,264.8	0.97
18	24.00	2048780	3,003.0	3,264.8	1.09
19	24.00	2052208	3,428.0	3,264.8	0.95
20	24.00	2054957	2,749.0	3,264.8	1.19
21	24.00	2058491	3,534.0	3,264.8	0.92
22	24.00	2061634	3,143.0	3,264.8	1.04
23	24.00	2064755	3,121.0	3,264.8	1.05
24	24.00	2067940	3,185.0	3,264.8	1.03
25	18.50	2070151	2,211.0	2,516.6	1.14
26	24.00	2073152	3,001.0	3,264.8	1.09
27	24.00	2076341	3,189.0	3,264.8	1.02
28	24.00	2079449	3,108.0	3,264.8	1.05
29	24.00	2082703	3,254.0	3,264.8	1.00
30	24.00	2085780	3,077.0	3,264.8	1.06
31	24.00	2089045	3,265.0	3,264.8	1.00
1 /Aug.	24.00	2092145	3,100.0	3,264.8	1.05
2	24.00	2095314	3,169.0	3,264.8	1.03
3	16.00	2095923	609.0	2,176.5	3.57
4	23.00	2098843	2,920.0	3,128.8	1.07
5	24.00	2102086	3,243.0	3,264.8	1.01
6	24.00	2105307	3,221.0	3,264.8	1.01
7	24.00	2108618	3,311.0	3,264.8	0.99
8	24.00	2111451	2,833.0	3,264.8	1.15
9	24.00	2114740	3,289.0	3,264.8	0.99
Ave.					1.04

35 SABANA GRANDE No.2 (28)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		5100073			
10 /Julio	24.00	5104900	4,610.3	4,954.4	1.07
11	24.00	5109190	4,097.4	4,954.4	1.21
12	21.75	5113254	3,881.6	4,490.0	1.16
13	24.00	5118704	5,205.3	4,954.4	0.95
14	23.75	5123320	4,408.8	4,902.8	1.11
15	24.00	5127929	4,402.1	4,954.4	1.13
16	24.00	5133278	5,108.9	4,954.4	0.97
17	24.00	5138037	4,545.4	4,954.4	1.09
18	24.00	5142070	3,852.0	4,954.4	1.29
19	24.00	5147450	5,138.5	4,954.4	0.96
20	23.67	5152204	4,540.6	4,886.3	1.08
21	23.50	5156191	3,808.0	4,851.2	1.27
22	23.50	5161620	5,185.3	4,851.2	0.94
23	24.00	5166565	4,723.0	4,954.4	1.05
24	24.00	5171330	4,551.1	4,954.4	1.09
25	24.00	5175663	4,138.5	4,954.4	1.20
26	24.00	5181000	5,097.4	4,954.4	0.97
27	24.00	5185450	4,250.2	4,954.4	1.17
28	24.00	5190492	4,815.7	4,954.4	1.03
29	24.00	5195350	4,639.9	4,954.4	1.07
30	24.00	5200217	4,648.5	4,954.4	1.07
31	22.50	5204931	4,502.4	4,644.8	1.03
1 /Aug.	22.75		-	4,696.4	-
2	24.00	5214223	-	4,954.4	-
3	24.00	5218280	3,874.9	4,954.4	1.28
4	23.00	5223030	4,536.8	4,748.0	1.05
5	23.75	5227553	4,320.0	4,902.8	1.13
6	24.00	5233115	5,312.3	4,954.4	0.93
7	22.50	5236686	3,410.7	4,644.8	1.36
8	22.25	5241740	4,827.1	4,593.2	0.95
9	24.00	5242156	-	4,954.4	-
Ave.					1.01

37 SABANA GRANDE No.4 (30)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		5384835			
10 /Julio	24.00	5389990	5,155.0	5,128.8	0.99
11	24.00	5395195	5,205.0	5,128.8	0.99
12	22.00	5399805	4,610.0	4,701.4	1.02
13	24.00	5405414	5,609.0	5,128.8	0.91
14	23.75	5410015	4,601.0	5,075.4	1.10
15	2.50	5411246	1,231.0	534.3	0.43
16	21.00	5415549	4,303.0	4,487.7	1.04
17	24.00	5421339	5,790.0	5,128.8	0.89
18	24.00	5455837	-	5,128.8	-
19	24.00	5431430	-	5,128.8	-
20	24.00	5436320	-	5,128.8	-
21	23.50	5441470	5,150.0	5,022.0	0.98
22	23.50	5446844	5,374.0	5,022.0	0.93
23	24.00	5452558	5,714.0	5,128.8	0.90
24	24.00	5457476	4,918.0	5,128.8	1.04
25	24.00	5462691	5,215.0	5,128.8	0.98
26	24.00	5467963	5,272.0	5,128.8	0.97
27	24.00	5473190	5,227.0	5,128.8	0.98
28	24.00	5478202	5,012.0	5,128.8	1.02
29	24.00	5483412	5,210.0	5,128.8	0.98
30	24.00	5489002	5,590.0	5,128.8	0.92
31	22.50	5494072	5,070.0	4,808.3	0.95
1 /Aug.	23.00	5498477	4,405.0	4,915.1	1.12
2	24.00	5503766	5,289.0	5,128.8	0.97
3	24.00	5508776	5,010.0	5,128.8	1.02
4	23.00	5513989	5,213.0	4,915.1	0.94
5	23.50	5518863	4,874.0	5,022.0	1.03
6	24.00	5524380	5,517.0	5,128.8	0.93
7	22.75	5529335	4,955.0	4,861.7	0.98
8	22.50	5534156	4,821.0	4,808.3	1.00
9	24.00	5540013	5,857.0	5,128.8	0.88
Ave.					0.96

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (5/9)
 < ZONA ALTA >

48 LA CATEDRAL (57)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
28	3.00	272766.00		746.7	
29	22.25	278138.00	5,372.0	5,538.1	1.03
30	24.00	284003.00	5,865.0	5,973.7	1.02
31	24.00	289374.00	5,371.0	5,973.7	1.11
1 /Aug.	6.00	291010.00	1,636.0	1,493.4	0.91
2	24.00	296893.00	5,883.0	5,973.7	1.02
3	24.00	302640.00	5,747.0	5,973.7	1.04
4	24.00	309030.00	6,390.0	5,973.7	0.93
5	24.00	313870.00	4,840.0	5,973.7	1.23
6	24.00	319616.00	5,746.0	5,973.7	1.04
7	24.00	325710.00	6,094.0	5,973.7	0.98
8	24.00	331454.00	5,744.0	5,973.7	1.04
9	24.00	337390.00	5,936.0	5,973.7	1.01
10	24.00	343011.00	5,621.0	5,973.7	1.06
11	24.00	349490.00	6,479.0	5,973.7	0.92
12	24.00	354602.00	5,112.0	5,973.7	1.17
13	12.50	356860.00	2,258.0	3,111.3	1.38
14	24.00	363131.00	6,271.0	5,973.7	0.95
15	24.00	368980.00	5,849.0	5,973.7	1.02
16	24.00	375110.00	6,130.0	5,973.7	0.97
17	24.00	380390.00	5,280.0	5,973.7	1.13
18	16.67	385260.00	4,870.0	4,149.2	0.85
19	24.00	390195.00	4,935.0	5,973.7	1.21
20	24.00	396798.00	6,603.0	5,973.7	0.90
21	24.00	402140.00	5,342.0	5,973.7	1.12
22	18.58	406883.00	4,743.0	4,624.6	0.98
23	24.00	411670.00	4,787.0	5,973.7	1.25
24	24.00	417900.00	6,230.0	5,973.7	0.96
25	24.00	423970.00	6,070.0	5,973.7	0.98
26	24.00	429450.00	5,480.0	5,973.7	1.09
27	24.00	435030.00	5,580.0	5,973.7	1.07
28	24.00	440807.00	5,777.0	5,973.7	1.03
Ave.					1.05

33 COL.NICARAO (106)

Date Aug/2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		7955720			
10	24.00	7957466	1,554.8	2,043.9	1.31
11	24.00	7959319	1,650.0	2,043.9	1.24
12	24.00	7961300	1,764.0	2,043.9	1.16
13	24.00	7962728	1,271.6	2,043.9	1.61
14	24.00	7964327	1,423.9	2,043.9	1.44
15	20.00	7965776	1,290.3	1,703.3	1.32
16	24.00	7967426	1,469.3	2,043.9	1.39
17	24.00	7969249	1,623.3	2,043.9	1.26
18	24.00	7970900	1,470.2	2,043.9	1.39
19	24.00	7972735	1,634.0	2,043.9	1.25
20	24.00	7974225	1,326.8	2,043.9	1.54
21	24.00	7976119	1,686.6	2,043.9	1.21
22	24.00	7977874	1,562.8	2,043.9	1.31
23	24.00	7979566	1,506.7	2,043.9	1.36
24	24.00	7981293	1,537.8	2,043.9	1.33
25	18.50	7983100	1,609.1	1,575.5	0.98
26	24.00	7984743	1,463.0	2,043.9	1.40
27	24.00	7986434	1,505.8	2,043.9	1.36
28	24.00	7988166	1,542.3	2,043.9	1.33
29	24.00	7989944	1,583.3	2,043.9	1.29
30	24.00	7991655	1,523.6	2,043.9	1.34
31	24.00	7993402	1,555.7	2,043.9	1.31
1 /Aug.	21.50	7994890	1,325.0	1,831.0	1.38
2	24.00	7996644	1,561.9	2,043.9	1.31
3	16.00	7997100	406.1	1,362.6	3.36
4	23.00	7998949	1,646.5	1,958.7	1.19
5	24.00	8000482	1,365.1	2,043.9	1.50
6	24.00	8002245	1,569.9	2,043.9	1.30
7	24.00	8004038	1,596.6	2,043.9	1.28
8	24.00	8005648	1,433.7	2,043.9	1.43
9	24.00	8007385	1,546.7	2,043.9	1.32
Ave.					1.33

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (6/9)

< ZONA ALTA SUPERIOR >

81 SAN ISIDRO DE LA CRUZ VERDE (97)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		576189			
10 /Junio	24.00	577407	1,218.0	1,400.8	1.15
11	24.00	578609	1,202.0	1,400.8	1.17
12	24.00	579821	1,212.0	1,400.8	1.16
13	23.00	581017	1,196.0	1,342.4	1.12
14	24.00	582267	1,250.0	1,400.8	1.12
15	24.00	583506	1,239.0	1,400.8	1.13
16	24.00	584737	1,231.0	1,400.8	1.14
17	24.00	585941	1,204.0	1,400.8	1.16
18	24.00	587144	1,203.0	1,400.8	1.16
19	24.00	588349	1,205.0	1,400.8	1.16
20	24.00	589506	1,157.0	1,400.8	1.21
21	24.00	590842	1,336.0	1,400.8	1.05
22	24.00	592091	1,249.0	1,400.8	1.12
23	24.00	593334	1,243.0	1,400.8	1.13
24	22.25	594520	1,186.0	1,298.6	1.09
25	24.00	595785	1,265.0	1,400.8	1.11
26	24.00	597037	1,252.0	1,400.8	1.12
27	24.00	598269	1,232.0	1,400.8	1.14
28	24.00	599508	1,239.0	1,400.8	1.13
29	24.00	600624	1,116.0	1,400.8	1.26
30	24.00	600624	-	1,400.8	-
31	20.75	602992	2,368.0	1,211.1	0.51
1 /Fulio	24.00	604279	1,287.0	1,400.8	1.09
2	22.00	605445	1,166.0	1,284.0	1.10
3	22.00	606610	1,165.0	1,284.0	1.10
4	0.00	606610	0.0	0.0	-
5	0.00	606610	0.0	0.0	-
6	0.00	606610	0.0	0.0	-
7	0.00	606610	0.0	0.0	-
8	0.00	606610	0.0	0.0	-
9	24.00	2114740	-	1,400.8	-
Ave,	PROMD.				1.11

70 S A N JUDAS No.2 (44)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		9226077			
10 /Julio	24.00	9228648	2,571.0	2,730.7	1.06
11	24.00	9231318	2,670.0	2,730.7	1.02
12	24.00	9234104	2,786.0	2,730.7	0.98
13	24.00	9236684	2,580.0	2,730.7	1.06
14	24.00	9239419	2,735.0	2,730.7	1.00
15	24.00	9242040	2,621.0	2,730.7	1.04
16	24.00	9244793	2,753.0	2,730.7	0.99
17	24.00	9247402	2,609.0	2,730.7	1.05
18	24.00	9250213	2,811.0	2,730.7	0.97
19	24.00	9252759	2,546.0	2,730.7	1.07
20	24.00	9255490	2,731.0	2,730.7	1.00
21	24.00	9258138	2,648.0	2,730.7	1.03
22	24.00	9260903	2,765.0	2,730.7	0.99
23	24.00	9263549	2,646.0	2,730.7	1.03
24	24.00	9266271	2,722.0	2,730.7	1.00
25	24.00	9268786	2,515.0	2,730.7	1.09
26	24.00	9271535	2,749.0	2,730.7	0.99
27	24.00	9271188	-	2,730.7	-
28	24.00	9276916	-	2,730.7	-
29	24.00	9279513	2,597.0	2,730.7	1.05
30	24.00	9282243	2,730.0	2,730.7	1.00
31	24.00	9284855	2,612.0	2,730.7	1.05
1 /Aug.	23.00	9287458	2,603.0	2,616.9	-
2	24.00	9290094	2,636.0	2,730.7	-
3	23.00	9292764	2,670.0	2,616.9	0.98
4	23.00	9295220	2,456.0	2,616.9	1.07
5	22.50	9297821	2,601.0	2,560.0	0.98
6	24.00	9300432	2,611.0	2,730.7	1.05
7	24.00	9303143	2,711.0	2,730.7	1.01
8	24.00	9305772	2,629.0	2,730.7	1.04
9	24.00	9308537	2,765.0	2,730.7	-
Ave,					0.95

77 BERTHA CALDERON (63)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		81709			
10 /Julio	24.00	84496	2,787.0	3,172.1	1.14
11	24.00	86954	2,458.0	3,172.1	1.29
12	24.00	86954	-	3,172.1	-
13	24.00	92461	-	3,172.1	-
14	20.00	94129	1,668.0	2,643.5	1.58
15	24.00		-	3,172.1	-
16	24.00	100266	-	3,172.1	-
17	24.00	103090	2,824.0	3,172.1	1.12
18	24.00	105847	2,757.0	3,172.1	1.15
19	17.00	107540	1,693.0	2,246.9	1.33
20	24.00	110564	3,024.0	3,172.1	1.05
21	24.00	113150	2,586.0	3,172.1	1.23
22	22.00	115230	2,080.0	2,907.8	1.40
23	24.00	118095	2,865.0	3,172.1	1.11
24	24.00	120896	2,801.0	3,172.1	1.13
25	21.00	122869	1,973.0	2,775.6	1.41
26	24.00	125817	2,948.0	3,172.1	1.08
27	24.00	128396	2,579.0	3,172.1	1.23
28	24.00		-	3,172.1	-
29	24.00	133995	-	3,172.1	-
30	24.00	136468	2,473.0	3,172.1	1.28
31	24.00	139457	2,989.0	3,172.1	1.06
1 /Aug.	22.50	142090	2,633.0	2,973.9	1.13
2	24.00	144830	2,740.0	3,172.1	1.16
3	24.00	147387	2,557.0	3,172.1	1.24
4	24.00	150068	2,681.0	3,172.1	1.18
5	24.00	153312	3,244.0	3,172.1	0.98
6	24.00	156086	2,774.0	3,172.1	1.14
7	24.00	158825	2,739.0	3,172.1	1.16
8	24.00	161229	2,404.0	3,172.1	1.32
9	24.00	164327	3,098.0	3,172.1	1.02
Ave,					1.20

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (7/9)
< ZONA ALTA SUPERIOR >

44 I.N.E.CENTRAL (89: VILLA FONTANA)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
70984					
10 /Julio	24.00	73319.00	2,335.0	2,768.8	1.19
11	24.00	7706.00	-	2,768.8	-
12	24.00	78301.00	-	2,768.8	-
13	24.00	80817.00	2,516.0	2,768.8	1.10
14	24.00	83267.00	2,450.0	2,768.8	1.13
15	24.00	85702.00	2,435.0	2,768.8	1.14
16	24.00	88225.00	2,523.0	2,768.8	1.10
17	24.00	90797.00	2,572.0	2,768.8	1.08
18	24.00	93126.00	2,329.0	2,768.8	1.19
19	24.00	95647.00	2,521.0	2,768.8	1.10
20	24.00	97839.00	2,192.0	2,768.8	1.26
21	24.00	100392.00	2,553.0	2,768.8	1.08
22	24.00	102900.00	2,508.0	2,768.8	1.10
23	24.00	105521.00	2,621.0	2,768.8	1.06
24	24.00	107997.00	2,476.0	2,768.8	1.12
25	24.00	110504.00	2,507.0	2,768.8	1.10
26	22.50	112818.00	2,314.0	2,595.8	1.12
27	24.00	115302.00	2,484.0	2,768.8	1.11
28	24.00	117720.00	2,418.0	2,768.8	1.15
29	24.00	120105.00	2,385.0	2,768.8	1.16
30	24.00	122590.00	2,485.0	2,768.8	1.11
31	24.00	125212.00	2,622.0	2,768.8	1.06
1 /Aug.	24.00	127581.00	2,369.0	2,768.8	1.17
2	24.00	130126.00	2,545.0	2,768.8	1.09
3	24.00	132481.00	2,355.0	2,768.8	1.18
4	24.00	135028.00	2,547.0	2,768.8	1.09
5	24.00	137419.00	2,391.0	2,768.8	1.16
6	24.00	139958.00	2,539.0	2,768.8	1.09
7	24.00	142375.00	2,417.0	2,768.8	1.15
8	24.00	144917.00	2,542.0	2,768.8	1.09
9	24.00	147470.00	2,553.0	2,768.8	1.05
Ave,					1.12

78 VELEZ PAIZ (62)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
97258					
10 /Julio	24.00	99914	2,656.0	2,779.7	1.05
11	24.00	102442	2,528.0	2,779.7	1.10
12	24.00	102442	-	2,779.7	-
13	24.00	107869	-	2,779.7	-
14	19.00	109561	1,692.0	2,200.6	1.30
15	24.00		-	2,779.7	-
16	24.00	115607	-	2,779.7	-
17	24.00	118362	2,755.0	2,779.7	1.01
18	24.00	121104	2,742.0	2,779.7	1.01
19	24.00	123958	2,854.0	2,779.7	0.97
20	24.00	126466	2,508.0	2,779.7	1.11
21	24.00	129281	2,815.0	2,779.7	0.99
22	24.00	132042	2,761.0	2,779.7	1.01
23	24.00	134789	2,747.0	2,779.7	1.01
24	24.00	137364	2,575.0	2,779.7	1.08
25	24.00	139448	2,084.0	2,779.7	1.33
26	24.00		-	2,779.7	-
27	24.00		-	2,779.7	-
28	24.00		-	2,779.7	-
29	24.00	150315	-	2,779.7	-
30	24.00	153174	2,859.0	2,779.7	0.97
31	24.00	155730	2,556.0	2,779.7	1.09
1 /Aug.	24.00	158431	2,701.0	2,779.7	1.03
2	24.00	161301	2,870.0	2,779.7	0.97
3	24.00	163617	2,316.0	2,779.7	1.20
4	24.00	166222	2,605.0	2,779.7	1.07
5	24.00	169214	2,992.0	2,779.7	0.93
6	24.00	172100	2,886.0	2,779.7	0.96
7	24.00	174855	2,755.0	2,779.7	1.01
8	24.00	177219	2,364.0	2,779.7	1.18
9	24.00	180280	3,061.0	2,779.7	0.91
Ave,					1.06

84 ALPES No.3 (115)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
115943					
10 /Julio	24.00	116103	160.0	245.3	1.53
11	24.00	116362	259.0	245.3	0.95
12	24.00	116419	-	245.3	-
13	24.00	116579	-	245.3	-
14	24.00	116731	152.0	245.3	1.61
15	24.00	116886	155.0	245.3	1.58
16	24.00	117051	165.0	245.3	1.49
17	24.00	117200	149.0	245.3	1.65
18	24.00	117370	170.0	245.3	1.44
19	24.00	117522	152.0	245.3	1.61
20	24.00	117682	160.0	245.3	1.53
21	24.00	117840	158.0	245.3	1.55
22	24.00	117986	146.0	245.3	1.68
23	24.00	118139	153.0	245.3	1.60
24	22.50	118297	158.0	229.9	1.46
25	24.00	118447	150.0	245.3	1.64
26	24.00	118599	152.0	245.3	1.61
27	24.00	118762	163.0	245.3	1.50
28	24.00	118920	158.0	245.3	1.55
29	24.00	119059	139.0	245.3	1.76
30	24.00	119221	162.0	245.3	1.51
31	24.00	119367	146.0	245.3	1.68
1 /Aug.	22.00	119509	142.0	224.8	1.58
2	24.00	119662	153.0	245.3	1.60
3	23.00	119810	148.0	235.0	1.59
4	24.00	119988	178.0	245.3	1.38
5	24.00	120121	133.0	245.3	1.84
6	24.00	120265	144.0	245.3	1.70
7	24.00	120414	149.0	245.3	1.65
8	24.00	120587	173.0	245.3	1.42
9	24.00	120727	140.0	245.3	1.75
Ave,					1.51

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (8/9)

< ZONA ALTA SUPERIOR >

66 REPARTO SCHICK (50)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
	0.00				
1/Abr,	0.00		-	-	-
2	0.00		-	-	-
3	22.33	353312	-	2,241.5	-
4	24.00	355872	2,560.0	2,409.1	0.94
5	24.00	358422	2,550.0	2,409.1	0.94
6	24.00	360989	2,567.0	2,409.1	0.94
7	24.00	363565	2,576.0	2,409.1	0.94
8	24.00	366144	2,579.0	2,409.1	0.93
9	24.00	368732	2,588.0	2,409.1	0.93
10	24.00	371318	2,586.0	2,409.1	0.93
11	24.00	373907	2,589.0	2,409.1	0.93
12	24.00	376797	2,890.0	2,409.1	0.83
13	23.83	379077	2,280.0	2,392.0	1.05
14	24.00	381706	2,629.0	2,409.1	0.92
15	24.00	384338	2,632.0	2,409.1	0.92
16	12.42	385706	1,368.0	1,246.7	0.91
17	19.50	387878	2,172.0	1,957.4	0.90
18	24.00	390543	2,665.0	2,409.1	0.90
19	24.00	393193	2,650.0	2,409.1	0.91
20	24.00	395856	2,663.0	2,409.1	0.90
21	24.00	398515	2,659.0	2,409.1	0.91
22	24.00	401166	2,651.0	2,409.1	0.91
23	24.00	403825	2,659.0	2,409.1	0.91
24	21.17	406168	2,343.0	2,125.0	0.91
25	0.00	406168	-	-	-
26	0.00	406168	-	-	-
27	0.00	406168	-	-	-
28	0.00		-	-	-
29	0.00		-	-	-
30	0.00		-	-	-
Ave,					0.92

27 SAN FRANCISCO JAVIER. No.1 (1)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		696511			
10 /Julio	24.00	697806	1,372.7	1,624.2	1.18
11	24.00	699666	1,971.6	1,624.2	0.82
12	24.00	701474	1,916.5	1,624.2	-
13	24.00	703529	2,178.3	1,624.2	-
14	24.00	704916	1,470.2	1,624.2	1.10
15	24.00	706588	1,772.3	1,624.2	0.92
16	24.00	708349	1,866.7	1,624.2	0.87
17	24.00	709853	1,594.2	1,624.2	1.02
18	24.00	711568	1,817.9	1,624.2	0.89
19	24.00	713650	2,206.9	1,624.2	0.74
20	24.00	715435	1,892.1	1,624.2	0.86
21	24.00	717281	1,956.8	1,624.2	0.83
22	24.00	719028	1,851.8	1,624.2	0.88
23	24.00	719028	-	1,624.2	-
24	24.00	722272	-	1,624.2	-
25	24.00	723949	1,777.6	1,624.2	0.91
26	24.00		-	1,624.2	-
27	22.00	727087	-	1,488.9	-
28	18.00	728608	1,612.3	1,218.2	0.76
29	24.00	728608	-	1,624.2	-
30	2.50	729583	-	169.2	-
31	20.50	731029	1,532.8	1,387.4	0.91
1 /Aug.	24.00	732577	1,640.9	1,624.2	0.99
2	24.00	734615	2,160.3	1,624.2	0.75
3	24.00	736071	1,543.4	1,624.2	1.05
4	24.00	737805	1,838.0	1,624.2	0.88
5	24.00	739523	1,821.1	1,624.2	0.89
6	24.00	741256	1,837.0	1,624.2	0.88
7	24.00	742944	1,789.3	1,624.2	0.91
8	24.00	744715	1,877.3	1,624.2	0.87
9	24.00	746567	1,963.1	1,624.2	0.83
Ave,					0.90

28 SAN FRANCISCO JAVIER. No.2 (2)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		9929167			
10 /Julio	24.00	9932892	3,725.0	4,965.3	1.33
11	24.00	9937178	4,286.0	4,965.3	1.16
12	24.00	9941253	4,075.0	4,965.3	1.22
13	24.00	9945929	4,676.0	4,965.3	1.06
14	24.00	9949083	3,154.0	4,965.3	1.57
15	24.00	9953068	3,985.0	4,965.3	1.25
16	24.00	9957109	4,041.0	4,965.3	1.23
17	24.00	9960557	3,448.0	4,965.3	1.44
18	24.00	9964449	3,892.0	4,965.3	1.28
19	24.00	9969295	4,846.0	4,965.3	1.02
20	24.00	9973435	4,140.0	4,965.3	1.20
21	24.00	9977639	4,204.0	4,965.3	1.18
22	24.00	9981612	3,973.0	4,965.3	1.25
23	24.00	9981612	-	4,965.3	-
24	24.00	9989024	-	4,965.3	-
25	24.00	9992857	3,833.0	4,965.3	1.30
26	24.00		-	4,965.3	-
27	24.00		-	4,965.3	-
28	24.00		-	4,965.3	-
29	24.00		-	4,965.3	-
30	24.00	13299	-	4,965.3	-
31	24.00	16652	3,353.0	4,965.3	1.48
1 /Aug.	24.00	20277	3,625.0	4,965.3	1.37
2	24.00	25054	4,777.0	4,965.3	1.04
3	24.00	28380	3,326.0	4,965.3	1.49
4	24.00	32349	3,969.0	4,965.3	1.25
5	24.00	36261	3,912.0	4,965.3	1.27
6	24.00	40252	3,991.0	4,965.3	1.24
7	24.00	44081	3,829.0	4,965.3	1.30
8	24.00	48168	4,087.0	4,965.3	1.21
9	24.00	52610	4,442.0	4,965.3	1.12
Ave,					1.26

ANNEX 3.D Comparison of Flow Meter Method and Temporary Method on Discharge (9/9)

< ZONA ALTA SUPERIOR >

29 SAN FRANCISCO JAVIER. No.13 (3)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		2370685			
10 /Julio	24.00	2373876	3,191.0	4,965.3	1.56
11	24.00	2377374	3,498.0	4,965.3	1.42
12	24.00	2380842	3,468.0	4,965.3	1.43
13	24.00	2384748	3,906.0	4,965.3	1.27
14	24.00	2387348	2,600.0	4,965.3	1.91
15	24.00	2391790	4,442.0	4,965.3	1.12
16	24.00	2395128	3,338.0	4,965.3	1.49
17	24.00	2397952	2,824.0	4,965.3	1.76
18	24.00	2401237	3,285.0	4,965.3	1.51
19	24.00	2405215	3,978.0	4,965.3	1.25
20	24.00	2408629	3,414.0	4,965.3	1.45
21	24.00	2412139	3,510.0	4,965.3	1.41
22	24.00	2415439	3,300.0	4,965.3	1.50
23	24.00	2415439	-	4,965.3	-
24	24.00	2421626	-	4,965.3	-
25	24.00	2424861	3,235.0	4,965.3	1.53
26	24.00		-	4,965.3	-
27	24.00		-	4,965.3	-
28	24.00		-	4,965.3	-
29	24.00		-	4,965.3	-
30	24.00	2442148	-	4,965.3	-
31	24.00	2444941	2,793.0	4,965.3	1.78
1 /Aug.	24.00	2448037	3,096.0	4,965.3	1.60
2	24.00	2451934	3,897.0	4,965.3	1.27
3	24.00	2454766	2,832.0	4,965.3	1.75
4	24.00	2458089	3,323.0	4,965.3	1.49
5	24.00	2461373	3,284.0	4,965.3	1.51
6	24.00	2464710	3,337.0	4,965.3	1.49
7	24.00	2467947	3,237.0	4,965.3	1.53
8	24.00	2471346	3,399.0	4,965.3	1.46
9	24.00	2474938	3,592.0	4,965.3	1.38
Ave,					1.50

30 SAN FRANCISCO JAVIER. No.4 (94)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		260720			
10 /Julio	24.00	264746	4,026.0	4,562.0	1.13
11	24.00	269276	4,530.0	4,562.0	1.01
12	24.00	273530	4,254.0	4,562.0	1.07
13	24.00	278454	4,924.0	4,562.0	0.93
14	24.00	281871	3,417.0	4,562.0	1.34
15	24.00	285838	3,967.0	4,562.0	1.15
16	24.00	290047	4,209.0	4,562.0	1.08
17	24.00	293774	3,727.0	4,562.0	1.22
18	24.00	297819	4,045.0	4,562.0	1.13
19	24.00	302840	5,021.0	4,562.0	0.91
20	24.00	307134	4,294.0	4,562.0	1.06
21	24.00	311598	4,464.0	4,562.0	1.02
22	24.00	315813	4,215.0	4,562.0	1.08
23	24.00	315813	-	4,562.0	-
24	24.00	323694	-	4,562.0	-
25	24.00	327813	4,119.0	4,562.0	1.11
26	24.00		-	4,562.0	-
27	24.00		-	4,562.0	-
28	24.00		-	4,562.0	-
29	24.00		-	4,562.0	-
30	24.00	349669	-	4,562.0	-
31	24.00	353225	3,556.0	4,562.0	1.28
1 /Aug.	24.00	357254	4,029.0	4,562.0	1.13
2	24.00	362312	5,058.0	4,562.0	0.90
3	24.00	365789	3,477.0	4,562.0	1.31
4	24.00	370050	4,261.0	4,562.0	1.07
5	24.00	374232	4,182.0	4,562.0	1.09
6	24.00	378487	4,255.0	4,562.0	1.07
7	24.00	382587	4,100.0	4,562.0	1.11
8	24.00	386910	4,323.0	4,562.0	1.06
9	24.00	391481	4,571.0	4,562.0	1.00
Ave,					1.09

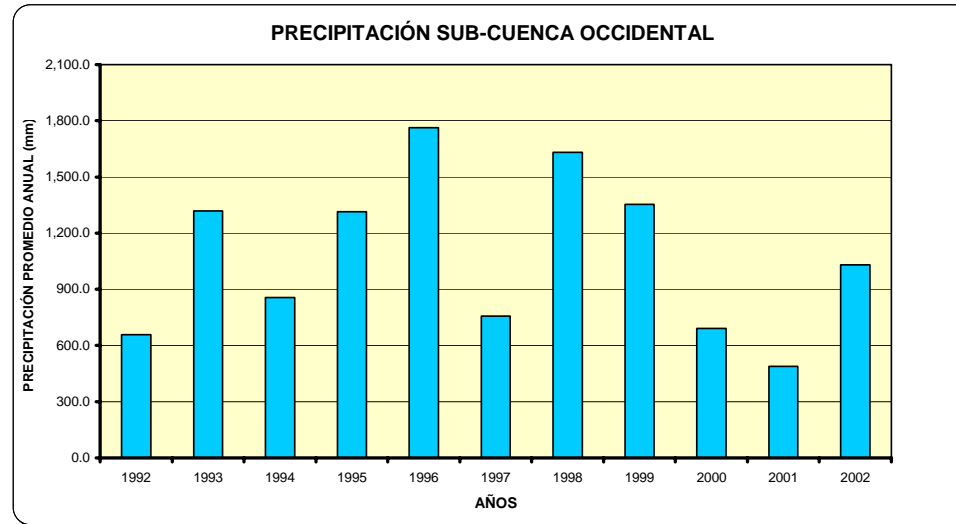
26 SATELITE ASOSOSCA (Ed.Cont#3) (6)

Date 2004	HRS. PUMP	Current Meter	Discharge (m3)		B/A
			Meter(a)	Pump(b)	
		1992994			
10 /Julio	24.00	1999462	6,468.0	6,022.7	0.93
11	23.50	2005572	6,110.0	5,897.2	0.97
12	20.50	2010593	5,021.0	5,144.4	1.02
13	24.00	2016855	6,262.0	6,022.7	0.96
14	24.00	2016855	-	6,022.7	-
15	24.00	2029189	-	6,022.7	-
16	24.00	2035470	6,281.0	6,022.7	0.96
17	24.00	2041704	6,234.0	6,022.7	0.97
18	24.00	2047844	6,140.0	6,022.7	0.98
19	24.00	2054051	6,207.0	6,022.7	0.97
20	24.00	2060090	6,039.0	6,022.7	1.00
21	24.00	2066486	6,396.0	6,022.7	0.94
22	24.00	2072662	6,176.0	6,022.7	0.98
23	20.00	2077989	5,327.0	5,018.9	0.94
24	23.50	2084335	6,346.0	5,897.2	0.93
25	21.00	2089730	5,395.0	5,269.9	0.98
26	23.50	2095620	5,890.0	5,897.2	1.00
27	24.00	2101583	5,963.0	6,022.7	1.01
28	24.00	2107670	6,087.0	6,022.7	0.99
29	24.00	2113672	6,002.0	6,022.7	1.00
30	24.00	2119755	6,083.0	6,022.7	0.99
31	18.00	2124478	4,723.0	4,517.0	0.96
1 /Aug.	24.00	2130570	6,092.0	6,022.7	0.99
2	24.00	2136622	6,052.0	6,022.7	1.00
3	23.33	2142406	5,784.0	5,854.6	1.01
4	24.00	2148624	6,218.0	6,022.7	0.97
5	24.00	2154248	5,624.0	6,022.7	1.07
6	24.00	2160288	6,040.0	6,022.7	1.00
7	24.00	2166035	5,747.0	6,022.7	1.05
8	24.00	2171724	5,689.0	6,022.7	1.06
9	24.00	2177783	6,059.0	6,022.7	0.99
Ave,					0.99

ANNEX 3E

Data on Precipitation in Managua City

ANNEX 3.E Data of Precipitation in Managua City (Occidental)



ESTACIONES PLUVIOMÉTRICAS UTILIZADAS PARA EL CÁLCULO DE LA RECARGA DEL ACUÍFERO

AÑOS	SUB-CUENCA OCCIDENTAL			PROMEDIO ANUAL
	ASOSOSCA	LAS BRISAS	C. SANDINO	
	P. TOTAL	P. TOTAL	P. TOTAL	
1992	657.3			657.3
1993	1,433.1	1,295.6	1,227.8	1,318.8
1994	773.8	1,005.8	787.7	855.8
1995	909.8	1,548.7	1,483.4	1,314.0
1996	1,749.2	1,950.0	1,589.4	1,762.9
1997	709.3	863.7	697.6	756.9
1998	1,506.2	1,597.0	1,792.3	1,631.8
1999	1,462.0	826.2	1,770.3	1,352.8
2000	753.5	627.8		690.7
2001	267.4	470.9	725.9	488.1
2002	1,072.3	951.4	1,068.8	1,030.8
TOTAL	1,267.3	1,357.1	1,466.6	1,363.7

ANNEX 3.E Data of Precipitation in Managua City (Occidental)

ASOSOSCA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,992	0	0	0	0	56	197	87	20	181	111	5	0	657
1,993	0	0	0	0	397	174	45	302	337	130	48	0	1,433
1,994	0	0	0	0	140	53	65	79	150	197	92	0	774
1,995	0	0	0	0	0	85	122	305	199	158	31	10	910
1,996	23				141	174	343	178	303	523	64	0	1,749
1,997	2	0	0	0	55	309	15	16	17	224	70	0	709
1,998	0	0	0	3	107	94	136	67	342	711	45	2	1,506
1,999	1		5	49	131	246	202	166	304	264	94	0	1,462
2,000	0	0	0	0	11	99	45	35	333	217	14	0	754
2,001	0	0	0	0	0	69	72	126					267
2,002	0	0	0	0	291	158	98	129	254	128	16	0	1,072
P. TOTAL													1,027

LAS BRISAS

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993	0	0	0	0	152	164	66	267	502	101	43	0	1,296
1,994	3	1	0	26	109	55	60	360	263	129			1,006
1,995	0	0	16	164	49	355	120	384	233	202	26	0	1,549
1,996	27	0	0	0	182	156	342	213	265	582	184	0	1,950
1,997	3	0	0	48	74	344	6	108	15	187	79	0	864
1,998	0	0	0	0	129	89	104	92	355	772	42	15	1,597
1,999	0	0	0	0	0	154	162	150	90	180	90	0	826
2,000	0	0	0	0	87	6	5	57	423	50	0	0	628
2,001	0	0	0	0	134	136	125	77					471
2,002	0	0	0	0	308	123	72	92	150	192	17		951
P. TOTAL													1,114

CIUDAD SANDINO

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993					180	191	70	223	400	71	94	0	1,228
1,994				19	54	38	31	50	270	189	138	0	788
1,995	0	0	72	70	59	257	94	472	204	244	11	0	1,483
1,996	42	0	0	0	114	120	266	257	174	520	97	0	1,589
1,997	0	0	0	57	360	0	63	4	170	43	1		698
1,998	0	0	0	0	168	76	95	108	429	892	24		1,792
1,999	0	0	0	48	133	270	237	196	402	362	123	0	1,770
2,000													
2,001						45	27	115	404	136			726
2,002	0	0	0	0	484	98	101	63	183	124	17		1,069
P. TOTAL													1,467

ANNEX 3.E Data of Precipitation in Managua City (Occidental)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS											
	AÑO 1993				AÑO 1994				AÑO 1995			
	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.
ENE						3		3				
FEB						1		1				
MAR										16	72	44
ABR						26	19	22		164	70	117
MAY	397	152	180	243	140	109	54	101		49	59	54
JUN	174	164	191	176	53	55	38	48	85	355	257	233
JUL	45	66	70	60	65	60	31	52	122	120	94	112
AGO	302	267	223	264	79	360	50	163	305	384	472	387
SEP	337	502	400	413	150	263	270	227	199	233	204	212
OCT	130	101	71	101	197	129	189	172	158	202	244	201
NOV	48	43	94	62	92	0	138	76	31	26	11	22
DIC		0		0					10			10

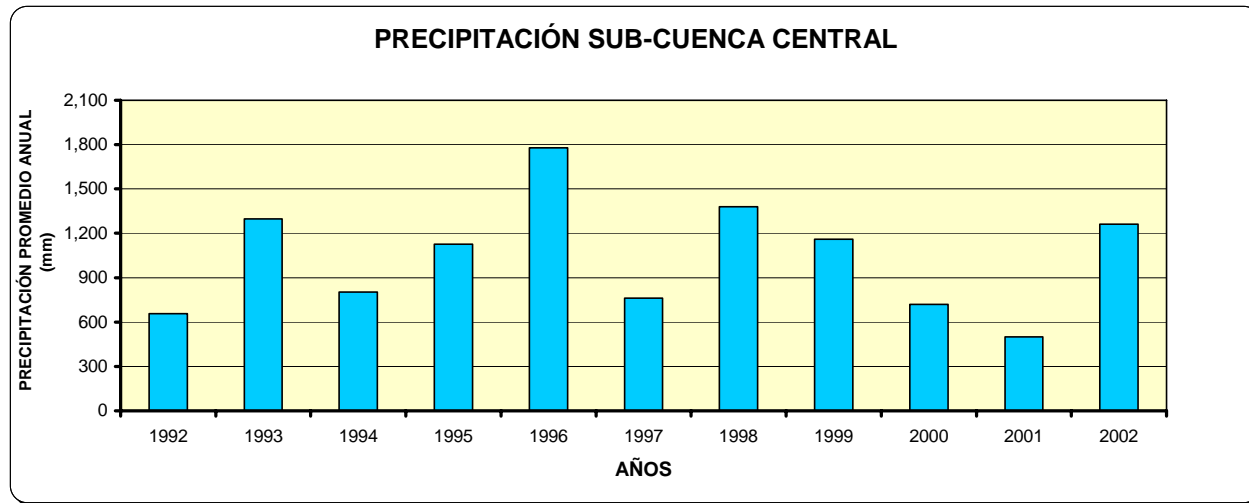
MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS											
	AÑO 1996				AÑO 1997				AÑO 1998			
	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.
ENE	23	27	42	31	2	3		3				
FEB												
MAR					0			0				
ABR						48	57	53	3			3
MAY	141	182	114	146	55	74	360	163	107	129	168	134
JUN	174	156	120	150	309	344		327	94	89	76	86
JUL	343	342	266	317	15	6	63	28	136	104	95	112
AGO	178	213	257	216	16	108	4	43	67	92	108	89
SEP	303	265	174	247	17	15	170	67	342	355	429	375
OCT	523	582	520	542	224	187	43	151	711	772	892	792
NOV	64	184	97	115	70	79	1	50	45	42	24	37
DIC									2	15		9

ANNEX 3.E Data of Precipitation in Managua City (Occidental)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS											
	AÑO 1999				AÑO 2000				AÑO 2001			
	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.
ENE	1			1								
FEB												
MAR	5		0	3								
ABR	49		48	48								
MAY	131		133	132	11	87		49		134		134
JUN	246	154	270	223	99	6		52	69	136	45	83
JUL	202	162	237	200	45	5		25	72	125	27	74
AGO	166	150	196	170	35	57		46	126	77	115	106
SEP	304	90	402	265	333	423		378			404	404
OCT	264	180	362	269	217	50		134			136	136
NOV	94	90	123	102	14			14				
DIC												

MESES	PRECIPITACIONES MENSUALES			
	AÑO 2002			
	ASOSOSCA	LAS BRISAS	C. SANDINO	PROM. MENS.
ENE				
FEB				
MAR				
ABR				
MAY	291	308	484	361
JUN	158	123	98	126
JUL	98	72	101	90
AGO	129	92	63	94
SEP	254	150	183	195
OCT	128	192	124	148
NOV	16	17	17	16
DIC				

ANNEX 3.E Data of Precipitation in Managua City (Central)



AÑOS	ESTACIONES PLUVIOMÉTRICAS DE LA SUB-CUENCA CENTRAL UTILIZADAS PARA EL CÁLCULO DE LA RECARGA DEL ACUÍFERO												PROMEDIO ANUAL
	ALTAMIRA	ASOSOSCA	ENEL	J. MARTÍNEZ	KM. 1½C. SUR	MER. ORIENTAL	SN. CRISTOBAL	SN. ANTONIO	SN. JUDAS	T. MOLINA	V. PANAMA	UNAN	
	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	
1992		657											657
1993	1,192	1,433		1,276		1,105	1,372	1,357	1,475	1,180			1,299
1994	910	774		763		1,083	1,293	368	721	501			802
1995	950	910	1,017	1,232	1,307	1,235	1,192	1,165	912	1,288	1,101	1,209	1,126
1996	1,705	1,749	1,642	1,661	1,722	1,708	1,759	1,720	1,875	1,885	1,945	1,956	1,777
1997	810	709	679	853	470	771	801	825	835	752	856		760
1998	1,527	1,506	1,391	1,359	1,173	771	1,560	1,595	1,475	1,423	1,435	1,354	1,381
1999	1,027	1,462	1,132	1,335	1,019	1,339	1,275	1,141	1,263	1,166	1,180	568	1,159
2000	699	754	702	747	208	665		662	1,076	941	741		719
2001	498	267	453	485	229	406	545	428	554	544	577	1,015	500
2002	1,344	1,072	1,434	993	1,445	1,065	1,247	1,026	1,305	1,445	1,427	1,321	1,260
TOTAL	1,066	1,027	1,056	1,070	947	1,015	1,227	1,029	1,149	1,112	1,158	1,237	1,040

ANNEX 3.E Data of Precipitation in Managua City (Central)

ALTAMIRA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993	1.5				430.0	163.8		33.6	379.0	128.3	56.0		1,192.2
1994					214.3	40.4	55.4	68.5	230.0	182.5	119.2		910.3
1995	0.0	0.0	10.6	0.0	0.0	177.2	90.4	333.1	155.2	164.8	18.3	0.0	949.6
1996	67.4	0.0	0.0	0.0	217.0	171.6	248.0	156.7	287.8	368.9	187.1	0.0	1,704.5
1997	6.7	0.0	0.0	6.9	22.8	315.5	31.7	108.3	17.8	191.8	108.1	0.0	809.6
1998	0.0	0.0	0.0	0.0	222.7	75.1	139.7	67.1	312.4	651.1	56.1	2.9	1,527.1
1999	1.5	0.0	6.5	38.2	63.8	187.1	173.7	128.8	198.8	141.0	87.8	0.0	1,027.2
2000	0.0	0.0	0.0	3.5	94.8	5.1	78.6	62.2	412.7	41.6	0.0	0.0	698.5
2001	0.0	0.0	0.0	0.0	100.7	115.5	110.1	172.1					498.4
2002	0.0	0.0	0.0	0.0	434.6	158.7	159.8	101.5	391.5	87.7	10.6	0.0	1,344.4
P. TOTAL													1,066.2

ASOSOSCA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1992	0.0	0.0	0.0	0.0	55.5	197.3	87.4	19.8	181.2	110.9	5.2	0.0	657.3
1993	0.0	0.0	0.0	0.0	396.9	173.9	45.1	302.0	337.0	130.2	48.0	0.0	1,433.1
1994	0.0	0.0	0.0	0.0	139.8	52.5	64.5	79.2	149.7	196.5	91.6	0.0	773.8
1995	0.0	0.0	0.0	0.0	0.0	85.2	121.9	305.0	198.8	158.0	30.8	10.1	909.8
1996	23.3				141.4	174.2	342.6	178.0	302.5	523.3	63.9	0.0	1,749.2
1997	2.1	0.0	0.4	0.0	54.8	309.4	15.4	16.0	16.6	224.4	70.2	0.0	709.3
1998	0.0	0.0	0.0	3.3	106.5	93.8	135.5	67.1	341.9	711.4	44.7	2.0	1,506.2
1999	1.3		5.1	48.8	131.1	246.1	201.9	165.5	304.0	264.2	94.0	0.0	1,462.0
2000	0.0	0.0	0.0	0.0	11.0	98.5	45.0	35.0	333.0	217.0	14.0	0.0	753.5
2001	0.0	0.0	0.0	0.0	0.0	69.3	72.2	125.9					267.4
2002	0.0	0.0	0.0	0.0	290.6	157.6	97.5	129.2	253.7	128.1	15.6	0.0	1,072.3
P. TOTAL													1,026.7

LAS BRISAS

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993	0.0	0.0	0.0	0.0	152.2	163.7	65.9	267.1	502.1	101.4	43.0	0.2	1,295.6
1994	3.2	0.6	0.0	26.1	109.1	55.0	60.1	359.7	262.8	129.2			1,005.8
1995	0.0	0.0	16.0	163.7	48.8	355.3	120.1	384.3	232.6	202.2	25.7	0.0	1,548.7
1996	26.7	0.0	0.0	0.0	182.1	156.0	341.9	213.0	264.6	581.5	184.2	0.0	1,950.0
1997	3.1	0.0	0.0	48.3	74.4	344.4	5.6	107.5	14.9	186.9	78.6	0.0	863.7
1998	0.0	0.0	0.0	0.0	128.8	88.6	104.3	91.9	354.8	771.7	41.9	15.0	1,597.0
1999	0.0	0.0	0.0	0.0	0.0	153.6	162.3	149.7	90.0	180.2	90.4	0.0	826.2
2000	0.0	0.0	0.0	0.0	87.0	5.8	5.1	56.7	423.2	50.0	0.0	0.0	627.8
2001	0.0	0.0	0.0	0.0	133.8	135.7	124.5	76.9					470.9
2002	0.0	0.0	0.0	0.0	307.6	122.5	72.2	91.5	149.5	191.6	16.5		951.4
P. TOTAL													1,113.7

ANNEX 3.E Data of Precipitation in Managua City (Central)

ENEL

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1995	0.0	0.0	0.0	0.0	0.0	123.7	123.2	302.9	214.1	199.2	42.2	11.3	1,016.6
1996	11.5	0.0	0.0	0.0	133.3	179.2	285.1	154.3	267.5	458.5	153.0	0.0	1,642.4
1997	4.0	0.0	0.0	0.0	27.0	313.4	23.2	75.7	6.1	136.3	93.0	0.0	678.7
1998	0.0	0.0	0.0	0.0	72.5	70.5	165.5	104.3	313.6	613.4	48.9	2.3	1,391.0
1999	0.0	0.0	0.0	0.0	115.5	214.6	193.8	114.5	143.5	202.2	147.6	0.0	1,131.7
2000	0.0	0.0	0.0	0.0	118.2	11.3	65.9	51.7	405.0	50.2	0.0	0.0	702.3
2001	0.0	0.0	0.0	0.0	116.7	101.1	79.7	155.7					453.2
2002	0.0	0.0	0.0	0.0	490.9	152.0	73.2	139.8	421.2	138.9	17.9	0.0	1,433.9
P. TOTAL													1,056.2

JULIO MARTÍNEZ

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993					233.3	175.8	82.3	212.4	350.2	138.0	83.8	0.0	1,275.8
1994				23.0	190.0	47.6	35.0	124.0	54.6	195.9	92.5		762.6
1995	0.0	0.0	0.0	85.0	25.2	222.8	113.4	275.7	254.7	205.9	38.0	11.2	1,231.9
1996	33.5	0.0	2.7	0.0	266.0	148.1	281.8	149.0	245.8	410.3	123.5	0.0	1,660.7
1997	2.0	0.0	0.0	26.3	33.4	361.2	21.6	106.4	7.1	188.0	106.5	0.0	852.5
1998				32.0	77.8	68.1	225.7	73.0	311.8	529.0	39.1	2.5	1,359.0
1999	0.0	1.5	3.8	18.0	116.4	227.5	222.5	176.5	213.1	221.2	134.3	0.0	1,334.8
2000	0.0	0.0	0.0	0.0	138.3	7.8	39.6	48.5	461.1	51.6	0.0	0.0	746.9
2001	0.0	0.0	0.0	0.0	103.8	138.5	92.0	151.1					485.4
2002	0.0	0.0	0.0	0.0	434.5	126.7	54.0	83.5	186.8	97.0	10.4	0.0	992.9
P. TOTAL													1,070.2

KM. 11 ½ CARRETERA SUR

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1995	0.0	0.0	0.0	0.0	0.0	233.4	145.3	365.2	283.8	226.8	52.7	0.0	1,307.2
1996	26.0	0.0	0.0	0.0	178.3	225.5	352.9	238.3	247.6	318.2	135.0	0.0	1,721.8
1997	6.6	0.0	0.0	0.0	30.1	332.2	14.9	5.3	1.3	2.4	77.1	0.0	469.9
1998				3.4	93.2	71.2	84.1	64.4	262.9	529.3	61.2	2.9	1,172.6
1999	0.3	0.6	0.1	30.3	87.0	201.8	127.8	123.1	123.5	194.4	130.4	0.0	1,019.3
2000	0.0	0.0	0.0	3.0	69.7	34.3	35.4	65.9	0.0	0.0	0.0	0.0	208.3
2001	0.0	0.0	0.0	0.0	0.0	49.0	71.1	108.4					228.5
2002	0.0	0.0	0.0	0.0	507.3	166.1	139.4	75.1	419.7	131.3	5.7	0.0	1,444.6
P. TOTAL													946.5

ANNEX 3.E Data of Precipitation in Managua City (Central)

MERCADO ORIENTAL

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993					136.0	156.2	78.0	236.0	315.0	161.5	22.4	0.0	1,105.1
1994				23.9	208.7	40.8	66.5	101.4	243.5	258.7	139.6	0.0	1,083.1
1995	0.0	0.0	2.6	112.9	0.0	276.0	97.5	312.3	225.6	177.1	31.2	0.0	1,235.2
1996	47.6	0.0	0.0	0.0	126.2	165.6	309.0	157.9	261.4	453.2	186.6	0.0	1,707.5
1997	3.1	0.0	0.0	0.0	38.2	356.8	13.0	75.7	19.3	200.4	64.3	0.0	770.8
1998	3.1	0.0	0.0	0.0	38.2	356.8	13.0	75.7	19.3	200.4	64.3	0.0	770.8
1999	0.0	0.5	2.8	20.3	101.2	187.4	148.3	129.0	239.7	374.6	135.0	0.0	1,338.8
2000	0.0	0.0	0.0	0.0	54.9	1.2	25.6	32.1	474.0	77.6	0.0	0.0	665.4
2001	0.0	0.0	0.0	0.0	111.9	94.2	76.7	123.5					406.3
2002	0.0	0.0	0.0	0.0	426.0	155.7	55.5	81.4	219.0	111.8	15.4	0.0	1,064.8
P. TOTAL													1,014.8

SAN CRISTÓBAL

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993					383.8	170.1	78.1	251.7	309.8	178.3	0.0	0.0	1,371.8
1994				35.0	277.6	35.5	85.6	95.9	274.6	359.1	129.3	0.0	1,292.6
1995	0.0	0.0	105.4	0.0	24.2	189.8	124.1	344.9	197.6	171.5	34.1	0.0	1,191.6
1996	48.4	0.0	0.0	0.0	208.3	175.6	277.5	145.0	318.5	424.3	161.1	0.0	1,758.7
1997	4.2	0.0	0.0	12.2	18.3	363.4	17.0	83.1	14.7	224.0	64.3	0.0	801.2
1998	0.0	0.0	0.0	0.0	42.6	81.3	125.6	104.2	316.2	870.1	19.6	0.0	1,559.6
1999	0.0	69.4	4.2	65.2	37.1	198.8	148.1	153.1	209.3	278.4	110.9	0.0	1,274.5
2000													
2001	0.0	0.0	0.0	0.0	108.2	167.1	99.1	170.4					544.8
2002	0.0	0.0	0.0	0.0	474.9	162.9	141.2	97.8	287.5	72.9	9.3	0.0	1,246.5
P. TOTAL													1,226.8

SAN ANTONIO

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993					170.5	194.0	76.4	259.0	369.2	233.2	54.8	0.0	1,357.1
1994				28.5	198.2	29.2	69.7	42.7					368.3
1995	0.0	0.0	0.0	100.6	0.0	197.4	100.5	295.8	216.4	243.8	10.6	0.0	1,165.1
1996	51.3	0.0	0.0	0.0	127.8	156.9	320.3	177.2	254.5	449.0	182.5	0.0	1,719.5
1997	5.3	0.0	0.0	48.2	56.0	360.2	12.1	66.1	18.6	175.2	83.5	0.0	825.2
1998	0.0	0.0	0.0	0.0	49.7	95.6	122.3	121.6	316.0	825.2	56.8	8.0	1,595.2
1999	0.0	0.5	2.8	13.7	69.9	167.8	158.5	172.0	170.9	279.9	105.0	0.0	1,141.0
2000	0.0	0.0	0.0	0.0	63.3	1.7	36.7	154.4	334.9	70.6	0.0	0.0	661.6
2001	0.0	0.0	0.0	0.0	108.4	105.5	80.3	133.4					427.6
2002	0.0	0.0	0.0	0.0	451.4	164.4	59.8	117.9	104.7	110.0	17.4	0.0	1,025.6
P. TOTAL													1,028.9

ANNEX 3.E Data of Precipitation in Managua City (Central)

SAN JUDAS

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993					521.5	181.1	99.7	173.7	348.2	150.5	0.0	0.0	1,474.7
1994				18.3	146.5	50.6	80.8	78.5	163.6	182.8	0.0	0.0	721.1
1995	0.0	0.0	0.0	0.0	0.0	11.2	139.1	290.4	229.2	188.3	53.5	0.0	911.7
1996	49.2	0.0	0.0	0.0	190.5	179.5	289.5	177.6	311.3	511.2	165.8	0.0	1,874.6
1997	8.0				28.7	386.4	25.5	95.6	5.9	157.5	127.7	0.0	835.3
1998	0.0	0.0	0.0	2.5	53.6	94.3	136.6	90.3	270.9	774.4	49.4	3.0	1,475.0
1999	1.7	0.6	7.2	35.7	79.0	224.5	144.2	138.4	261.3	229.5	140.5	0.0	1,262.6
2000	0.0	0.0	0.0	0.0	139.6	163.2	44.7	88.4	572.2	67.9	0.0	0.0	1,076.0
2001	0.0	0.0	0.0	0.0	95.5	139.7	101.6	217.1					553.9
2002	0.0	0.0	0.0	0.0	571.4	103.0	126.5	112.9	296.6	79.7	15.3	0.0	1,305.4
P. TOTAL													1,149.0

TORRES MOLINA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993	40.0			20.3	453.6	237.1	45.8	77.9	240.6	64.4	0.0	0.0	1,179.7
1994						73.2	85.8	71.5	178.7	91.9	0.0	0.0	501.1
1995	0.0	0.0	0.0	0.0	0.0	223.9	118.0	349.0	276.3	264.2	56.6	0.0	1,288.0
1996	9.0	0.0	0.0	0.0	275.0	208.5	247.3	196.4	266.0	541.7	141.0	0.0	1,884.9
1997	4.4	0.0	0.0	0.0	65.5	391.0	20.2	13.0	66.2	116.8	75.2		752.3
1998				1.6	148.7	102.9	131.2	54.2	326.0	606.7	48.2	3.7	1,423.2
1999	0.0	0.0	0.0	30.3	65.5	224.2	168.5	98.2	257.2	204.5	117.2	0.0	1,165.6
2000	0.0	0.0	0.0	3.9	108.7	48.4	38.2	157.8	520.8	63.0	0.0	0.0	940.8
2001	0.0	0.0	0.0	0.0	102.7	123.4	100.5	216.9					543.5
2002	0.0	0.0	0.0	0.0	591.7	129.5	153.9	90.6	387.6	77.9	14.1	0.0	1,445.3
P. TOTAL													1,075.5

VILLA PANAMÁ

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1995	0.0	0.0	48.0	0.0	0.0	219.9	129.6	318.7	157.2	157.5	64.5	6.0	1,101.4
1996	55.1	0.0	1.7	0.0	249.0	172.0	282.3	240.0	266.2	474.5	204.1	0.0	1,944.9
1997	10.4	0.0	0.0	22.2	22.5	485.1	12.6	116.0	21.7	92.3	73.4	0.0	856.2
1998	0.0	0.0	0.0	0.0	112.6	76.7	112.0	97.1	292.4	681.0	58.9	4.2	1,434.9
1999	2.2	0.0	4.3	16.2	83.5	175.4	169.2	95.8	274.7	243.3	115.0	0.0	1,179.6
2000	0.0	0.0	0.0	7.5	97.4	11.3	70.2	83.8	413.5	57.3	0.0	0.0	741.0
2001	0.0	0.0	0.0	0.0	107.8	115.8	110.7	242.3					576.6
2002	0.0	0.0	0.0	0.0	522.2	113.5	175.1	136.5	364.4	108.9	6.4	0.0	1,427.0
P. TOTAL													1,157.7

ANNEX 3.E Data of Precipitation in Managua City (Central)

UNAN

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993													
1994													
1995	0.0	0.0	0.0	21.9	42.2	224.3	120.1	336.5	222.1	178.8	55.4	7.3	1,208.6
1996	56.3	0.0	2.5	0.0	189.6	172.1	282.9	216.4	332.5	538.3	165.3	0.0	1,955.9
1997													
1998	0.0	0.0	0.0	0.0	100.4	83.4	144.6	84.0	271.2	617.2	50.2	3.4	1,354.4
1999					74.0	181.9			312.5				568.4
2000													
2001	0.0	0.0	0.0	0.0	105.7	127.1	105.6	326.5	349.9				1,014.8
2002	0.0	0.0	0.0	0.0	574.2	13.2	140.8	118.0	379.2	81.9	13.3	0.0	1,320.6
P. TOTAL													1,237.1

Fuente : Ineter

RUPAP

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1996												0.0	
1997													
1998	0.0	0.0	0.0	0.0	153.4	282.2	240.1	118.0	290.5				1,084.2
1999								218.9	250.0	313.0	69.8	0.4	852.1
2000	3.4	4.0	0.0	2.1	37.9	121.9	69.1	67.5	454.8	135.7			896.4
2001													
2002													0.0
P. TOTAL													708.2

Fuente : Ineter

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1995	0.0	0.0	48.0	0.0	0.0	219.9	129.6	318.7	157.2	157.5	64.5	6.0	1,101.4
1996	55.1	0.0	1.7	0.0	249.0	172.0	282.3	240.0	266.2	474.5	204.1	0.0	1,944.9
1997	10.4	0.0	0.0	22.2	22.5	485.1	12.6	116.0	21.7	92.3	73.4	0.0	856.2
1998	0.0	0.0	0.0	0.0	112.6	76.7	112.0	97.1	292.4	681.0	58.9	4.2	1,434.9
1999	2.2	0.0	4.3	16.2	83.5	175.4	169.2	95.8	274.7	243.3	115.0	0.0	1,179.6
2000	0.0	0.0	0.0	7.5	97.4	11.3	70.2	83.8	413.5	57.3	0.0	0.0	741.0
2001	0.0	0.0	0.0	0.0	107.8	115.8	110.7	242.3					576.6
2002													0.0
P. TOTAL													1,119.2

CASA COLORADA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1993	73.0	0.0	0.0	38.4	612.9	201.2	166.8	303.3	721.6	114.2	41.6	7.0	2,280.0
1994	7.8	10.6	2.8	8.2	220.4	87.8	32.9	29.6	244.3	199.3	87.3	15.6	946.6
1995	6.2	1.2	11.5	36.3	55.3	458.5	180.9	495.1	322.5	504.8	57.7	36.4	2,166.4
1996	39.5	0.0	0.2	0.0	233.7	113.6	383.6	197.6	129.0	525.5	211.5	0.6	1,834.8
1997	26.4	3.2	21.4	21.4	0.0	420.3	53.7	81.6	83.3	197.7	110.9	0.6	1,020.5
1998	1.0	0.0	0.7	6.3	69.8	121.1	93.0	153.1	518.0	995.7	430.8	18.1	2,407.6
1999	57.8	4.5	8.2	28.0	200.2								298.7
2000													0.0
2001													0.0
2002													0.0
P. TOTAL													0.0

ANNEX 3.E Data of Precipitation in Managua City (Central)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1993											
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORAD	PROMEDIO MENSUAL
ENE	1.50								40.00		73.00	38.2
FEB												
MAR												
ABR								20.30			50.60	35.5
MAY	43.00		233.00		136.00	383.80	170.50	521.50	453.60		312.90	281.8
JUN	163.80		175.80		156.20	170.10	194.00	181.10	237.10		201.20	184.9
JUL			82.30		78.00	78.10	76.40	99.70	45.80		166.80	89.6
AGO	33.60		212.40		236.00	251.70	259.00	173.70	77.90		303.30	193.5
SEP	379.00		350.20		315.00	309.80	369.20	248.20	240.60		721.60	366.7
OCT	128.30		138.00		161.50	178.30	233.20	150.50	64.90		114.20	146.1
NOV	56.00		83.80		22.40		54.80				41.60	51.7
DIC											7.00	7.0

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1994											
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORAD	PROMEDIO MENSUAL
ENE											7.80	7.8
FEB											10.60	10.6
MAR											2.80	2.8
ABR			23.00		23.90	35.00	28.50	18.30			8.20	22.8
MAY	214.30		190.00		208.70	277.60	198.50	146.50			220.40	208.0
JUN	40.40		47.60		40.80	35.50	29.20	50.60	73.20		87.80	50.6
JUL	55.40		35.00		66.50	85.60	69.70	80.80	85.80		32.90	64.0
AGO	68.50		124.00		101.40	95.90	42.70	78.50	71.50		29.60	76.5
SEP	230.00		54.60		43.50	274.60		163.60	178.70		244.30	169.9
OCT	182.50		195.90		258.70	359.10		182.80	91.90		199.30	210.0
NOV	119.80		92.50		139.60	129.30					87.30	113.7
DIC											5.60	5.6

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1995											
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORAD	PROMEDIO MENSUAL
ENE											6.20	6.2
FEB											1.20	1.2
MAR					2.60	105.40				48.00	11.50	41.9
ABR			85.00		112.90		100.60				36.30	83.7
MAY			25.20			24.20					55.30	34.9
JUN	177.20	123.70	222.80	233.40	276.00	189.80	197.40	11.20	223.90	219.90	458.50	212.2
JUL	90.40	123.20	113.40	145.30	97.50	124.10	100.50	139.10	118.00	129.60	180.90	123.8
AGO	333.10	302.90	275.70	365.20	312.30	344.90	295.80	290.40	349.00	318.70	516.70	336.8
SEP	155.20	214.10	254.70	283.80	225.60	197.60	216.40	229.20	276.30	157.20	322.50	230.2
OCT	164.80	199.20	205.90	226.80	177.10	171.50	243.80	188.30	264.20	157.50	501.80	227.4
NOV	18.30	42.20	38.00	52.70	31.20	34.10	10.60	53.50	56.60	64.50	57.70	41.8
DIC		11.30	11.20							6.00	36.40	16.2

ANNEX 3.E Data of Precipitation in Managua City (Central)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1996											
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORADA	PROMEDIO MENSUAL
ENE	67.40	11.50	33.50	26.00	47.60	48.40	51.30	4.20	9.00	55.10	39.50	35.8
FEB												
MAR			2.70							1.70	0.20	1.5
ABR												
MAY	217.00	133.30	266.00	178.30	126.20	208.30	127.80	190.50	275.00	249.00	233.70	200.5
JUN	171.60	179.20	148.10	225.50	165.60	175.60	156.90	179.50	208.50	172.00	113.60	172.4
JUL	248.00	285.10	281.80	352.90	309.00	277.50	320.30	289.50	247.30	282.30	381.80	297.8
AGO	156.70	154.30	149.00	238.30	157.90	145.00	177.20	177.60	196.40	240.00	199.10	181.0
SEP	287.80	267.50	245.80	247.60	261.40	318.50	254.50	311.30	266.00	266.20	132.00	259.9
OCT	368.90	458.50	410.30	318.20	453.20	424.30	429.00	511.20	541.70	474.50		439.0
NOV	187.10	153.00	123.50	135.00	186.60	161.10	182.50	165.80	141.00	204.10		164.0
DIC												

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1997												
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORADA	PROMEDIO MENSUAL	PROMEDIO MENSUAL
ENE	6.70	4.00	2.00	6.60	3.10	4.20	5.30	8.00	4.40	10.40	26.40	16.70	8.2
FEB											3.20		3.2
MAR											21.40	3.50	12.5
ABR	6.90		26.30			12.20	48.20			22.20	21.40	29.10	23.8
MAY	22.80	27.00	33.40	30.10	38.20	18.30	56.00	28.70	65.50	22.50			34.3
JUN	315.50	213.40	361.20	332.20	356.80	363.40	360.20	386.40	391.00	485.10	420.30	422.50	367.3
JUL	31.70	23.20	21.60	14.90	13.00	17.00	12.10	25.50	20.20	12.60	53.70	3.60	20.8
AGO	108.30	75.70	106.40	5.30	75.70	83.10	66.10	95.30	13.00	116.00	81.60	166.30	82.7
SEP	17.80	6.10	71.10	1.30	19.30	14.70	18.60	5.90	66.20	21.70	83.30	90.10	34.7
OCT	191.80	136.30	188.00	2.40	200.40	224.00	175.20	157.50	116.80	92.30	197.70	240.60	160.3
NOV	108.10	93.00	106.50	77.10	64.30	64.30	83.50	127.00	75.20	73.40	110.90	138.40	93.5
DIC											0.06		0.1

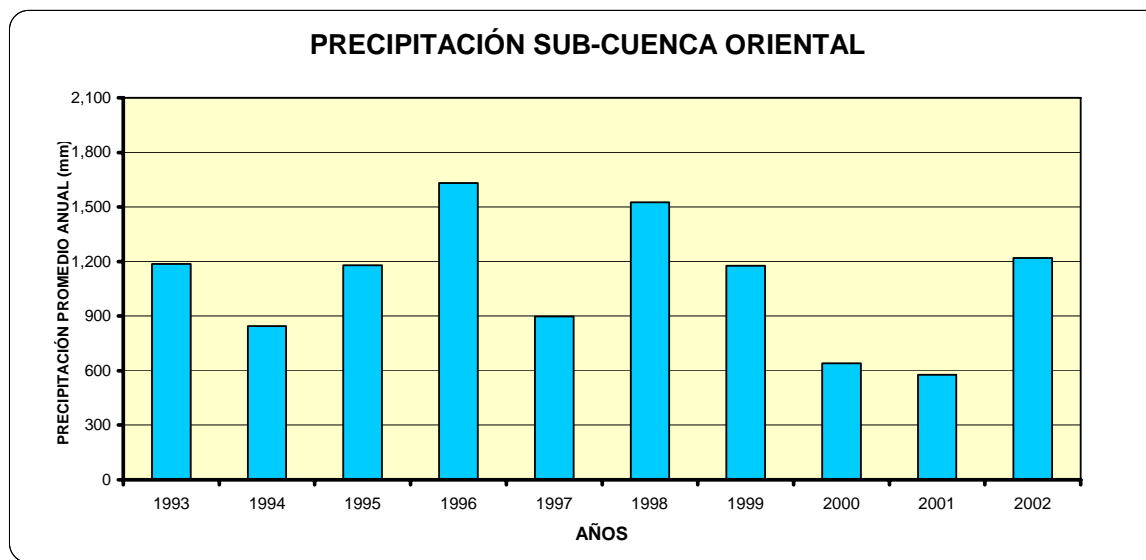
MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1998												
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORADA	PROMEDIO MENSUAL	PROMEDIO MENSUAL
ENE					3.10						1.00		2.1
FEB													
MAR											0.70		0.7
ABR			32.00	3.40				2.50	1.60		6.30		9.2
MAY	222.70	72.50	77.80	93.20	38.20	42.60	49.70	53.60	148.70	112.60	69.80	93.30	89.6
JUN	75.10	70.50	68.10	71.20	356.80	81.30	95.60	94.30	102.90	76.70	121.10	58.30	106.0
JUL	139.70	165.50	225.70	84.10	13.00	125.60	122.30	136.60	131.20	112.00	93.00	66.30	117.9
AGO	67.10	104.30	73.00	64.40	75.70	104.20	121.60	90.30	54.20	97.10	153.10	154.80	96.7
SEP	312.40	313.60	311.80	262.90	19.30	316.20	316.00	270.90	326.00	292.40	518.00	306.10	297.1
OCT	65.10	613.40	529.00	529.30	200.40	870.10	825.20	774.40	606.70	681.00	995.70	713.40	617.0
NOV	56.10	48.90	39.10	61.20	64.30	19.60	56.80	49.40	48.20	58.90	430.80	70.60	83.7
DIC	2.90	2.30	2.50	2.90			8.00	3.00	3.70	4.20	18.10	7.10	5.5

ANNEX 3.E Data of Precipitation in Managua City (Central)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1999													PROMEDIO MENSUAL	PROMEDIO MENSUAL
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORADA	PROMEDIO MENSUAL	PROMEDIO MENSUAL		
ENE	1.50			0.30				1.70		2.20		28.50	6.8		
FEB			1.50	0.60	0.50	69.40	0.50	0.60				14.00	12.4		
MAR	6.50		3.80	0.10	2.80	4.20	2.80	7.20		4.30		14.10	5.1		
ABR	38.20		18.00	30.30	20.30	65.20	13.70	35.70	30.30	16.20			29.8		
MAY	63.80	115.50	116.40	87.00	101.20	37.10	69.90	79.00	65.50	83.50		60.10	79.9		
JUN	187.10	214.60	227.50	201.80	187.40	198.80	167.80	224.50	224.20	175.40		193.50	200.2		
JUL	173.70	193.80	222.50	127.80	148.30	148.10	158.50	144.20	168.50	169.20		252.30	173.4		
AGO	128.80	114.50	176.50	123.10	129.00	153.10	172.00	138.40	98.20	95.80		125.90	132.3		
SEP	198.80	143.50	213.10	123.50	239.70	209.30	170.90	261.30	257.20	274.70		390.70	225.7		
OCT	141.00	202.20	221.20	194.40	374.60	278.40	279.90	229.50	204.50	243.30		277.40	240.6		
NOV	87.80	147.60	134.30	130.40	135.00	110.10	105.00	140.50	117.20	115.00		84.70	118.9		
DIC															

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 2000													PROMEDIO MENSUAL	PROMEDIO MENSUAL
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORADA	PROMEDIO MENSUAL	PROMEDIO MENSUAL		
ENE															
FEB															
MAR															
ABR	3.50			3.00					3.90	7.50		6.60	4.9		
MAY	94.80	118.20	138.30	69.70	54.90		63.30	139.60	108.70	97.40		96.70	98.2		
JUN	5.10	11.30	7.80	34.30	1.20		1.70	163.20	48.40	11.30		258.50	54.3		
JUL	78.60	65.90	39.60	35.40	25.60		36.70	44.70	38.20	70.20		138.00	57.3		
AGO	62.20	51.70	48.50	65.90	32.10		154.40	88.40	157.80	83.80		123.60	86.8		
SEP	412.70	405.00	461.10	0.00	474.00		334.90	572.20	520.80	413.50		546.10	414.0		
OCT	41.60	50.20	51.60	0.00	77.60		70.60	67.90	63.00	57.30		99.80	58.0		
NOV												26.90	26.9		
DIC															

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 2001													PROMEDIO MENSUAL	PROMEDIO MENSUAL
	ALTAMIRA	ENEL	JULIO MARTINEZ	11 ½ SUR	M. ORIENTAL	SAN CRISTOBAL	SAN ANTONIO	SAN JUDAS	TORRES M.	V. PANAMA	CASA COLORADA	PROMEDIO MENSUAL	PROMEDIO MENSUAL		
ENE															
FEB															
MAR															
ABR															
MAY	100.70	116.70	103.80		111.90	108.20	108.40	95.50	102.70	107.80			106.2		
JUN	115.50	101.10	138.50	49.00	94.20	167.10	105.50	139.70	123.40	115.80			115.0		
JUL	110.10	79.70	92.00	71.10	76.70	99.10	80.25	101.60	100.50	110.70			92.2		
AGO	172.10	155.70	151.18	180.40	123.50	170.40	133.40	217.10	216.90	242.33			176.3		
SEP															
OCT															
NOV															
DIC															



AÑOS	ESTACIONES PLUVIOMETRICAS DE LA SUB-CUENCA ORIENTAL UTILIZADAS PARA EL CALCULO DE LA RECARGA DEL ACUIFERO											PROMEDIO ANUAL
	TICUANTEPE	AEROPUERTO	LA CONCHA	V. AUSTRIA	V. LIBERTAD	RAFAELA HER.	REPTO. SCHICK	SAB. GRANDE	C. MASAYA	CLORINACIÓN	14 DE SEPT.	
	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	P. TOTAL	
1993		1,406.1		719.4	1,216.6	1,270.4	1,255.7		1,248.9			1,186.2
1994	787.7	787.2		602.0	759.4	1,404.9	1,000.2		1,079.7		333.0	844.3
1995	1,142.0	1,310.5	803.0	1,203.6	1,258.4	1,182.2	1,272.4	1,147.4	1,246.7	1,118.7	1,292.4	1,179.8
1996	1,875.5	1,726.0	1,781.2	1,569.1	1,092.2	1,743.7	1,728.2	1,401.3	1,709.7	1,637.6	1,685.5	1,631.8
1997	976.2	806.9	1,049.0	868.7	824.6	887.0	1,033.3	889.9	903.0	778.7	869.4	898.8
1998		1,565.7	1,968.7	1,496.3	1,307.5	1,553.6	1,454.6	1,519.1	1,425.4	1,566.9	1,398.2	1,525.6
1999		1,253.9	1,868.0	1,125.9	932.6	1,297.6	1,119.7	1,145.0	903.0	1,142.0	986.9	1,177.5
2000		957.1	252.6	647.7		673.4	541.1	897.6	400.6	663.1	719.6	639.2
2001		862		548.2	390.6	492.6	540.3	694.5	682.2	502.9	468.3	575.7
2002				1,099.9	1,096.1	1,131.1	1,284.2	694.5	1,958.4	1,364.3	1,125.8	1,219.3
TOTAL	1,195.4	1,265.2	1,494.0	1,252.7	1,083.1	1,332.8	1,321.6	1,220.5	1,237.6	1,248.8	1,246.5	1,263.5

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

TICUANTEPE (INETER)

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,994	14	1	1	30	196	94	20	37	179	200	11	6	788
1,995	0	0	53	54	8	304	143	339	241	0	0	0	1,142
1,996	11	0	0	1	254	156	320	255	305	357	214	2	1,876
1,997	14	1	1	19	0	277	62	74	128	264	136	0	976
1,998													0
1,999													0
2,000													0
2,001													0
2,002													0
P. TOTAL													1,195

AEROPUERTO (INETER)

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993	1			29	337	101	105	287	345	113	85	1	1,406
1,994	0	0	0	17	54	38	31	58	270	189	131	0	787
1,995	0	0	16	113	21	186	111	326	341	197	0	0	1,311
1,996	29	0	5	0	239	260	261	131	304	368	127	2	1,726
1,997	6	1	0	1	1	249	58	82	99	244	66	0	807
1,998					51	118	101	119	230	836	92	20	1,566
1,999	4	57	7	37	45	142	196	169	349	192	57	0	1,254
2,000	3	0	0	4	73	118	103	64	453	122	13	5	957
2,001	1	2	0	0	123	79	104	173	256	103	21	0	862
2,002													0
P. TOTAL													1,207

No se ha actualizado

LA CONCHA (ENACAL + INETER)

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,995	0	0	0	0	14	228	106	204	182	71	0	0	803
1,996	13	3	21	65	322	206	365	217	183	278	106	6	1,781
1,997	22	5	8	65	0	398	49	48	79	313	60	4	1,049
1,998	1	0	0	0	532	47	219	131	238	745	44	12	1,969
1,999	13	15	3	7	165	161	331	211	802	161			1,868
2,000	0	0	0	12	9	22	27	35	147	0	0	0	253
2,001													0
2,002													0
P. TOTAL													1,494

No las ha actualizado el Ineter

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

VILLA AUSTRIA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993					193	84	0	0	253	162	26	2	719
1,994				75	178	48	0	81	171	124	0	0	602
1,995	0	0	0	0	48	175	108	362	307	153	48	3	1,204
1,996	23	0	2	0	249	200	264	159	256	411	7	0	1,569
1,997	11	0	1	1	11	332	10	136	8	281	80	0	869
1,998	0	0	0	0	81	76	122	82	314	743	69	11	1,496
1,999	1	51	8	5	57	168	194	105	245	237	56	0	1,126
2,000	0	0	0	0	46	3	114	92	307	87	0	0	648
2,001	0	0	0	0	103	73	182	190					548
2,002	0	0	0	0	424	97	128	74	281	90	7	0	1,100
P. TOTAL													1,253

VILLA LIBERTAD

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993					188	120	91	253	391	173	0	0	1,217
1,994	0	0	0	0	177	47	89	59	240	142	6		759
1,995	0	0	0	109	41	173	133	268	318	172	46	0	1,258
1,996	22	1	1	0	4	132	40	162	238	358	135	1	1,092
1,997	11	0	0	0	0	359	11	146	8	212	78	0	825
1,998	0	0	0	0	59	58	111	82	323	623	48	4	1,308
1,999	1	62	15	15	70	134	119	55	149	248	65	0	933
2,000													0
2,001	0	0	0	0	78	84	98	132					391
2,002	0	0	0	0	424	112	60	89	338	63	9	0	1,096
P. TOTAL													1,083

RAFAELA HERRERA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993					187	152	100	252	345	158	75	1	1,270
1,994				154	258	38	88	86	244	329	209	0	1,405
1,995	0	0	0	0	33	172	112	364	277	144	82	0	1,182
1,996	24	0	0		235	213	324	126	248	389	186		1,744
1,997	5	0		3	22	385	23	79	16	294	61		887
1,998					51	98	141	139	294	770	53	7	1,554
1,999	3	5	4	39	62	208	207	168	245	283	75	0	1,298
2,000	0	0	0	10	37	4	56	47	462	58	0	0	673
2,001	0	0	0	0	130	112	104	146					493
2,002	0	0	0	0	420	98	108	74	289	124	18	0	1,131
P. TOTAL													1,333

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

REPARTO SCHICK

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993					167	197	118	209	331	145	90	0	1,256
1,994				91	170	76	80	52	218	174	122	18	1,000
1,995	0	0	22	17	51	206	133	385	242	166	42	8	1,272
1,996	44	0	0	0	197	195	279	162	257	411	185	0	1,728
1,997	9			6	18	362	12	124	145	258	100		1,033
1,998	0	0	0	0	63	72	101	80	344	737	54	5	1,455
1,999	2	38	11	1	72	117	170	86	278	252	94	0	1,120
2,000	0	0	0	13	35	15	57	82	251	89	0	0	541
2,001	0	0	0	0	148	88	107	198					540
2,002	0	0	0	0	357	114	150	168	367	110	18	0	1,284
P. TOTAL													1,322

SABANA GRANDE (ENACAL + INETER)

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,995	0	0	0	0	0	151	113	352	266	202	43	19	1,147
1,996	0	0	0	0	244	190	269	142	214	343	0	0	1,401
1,997	0	0	1	13	0	362	26	92	79	217	102	0	890
1,998	0	0	0	3	47	75	141	78	311	768	89	8	1,519
1,999	0	0	0	0	65	96	183	140	351	214	96	0	1,145
2,000	0	0	0	13	55	139	63	79	277	272	0	0	898
2,001	0	0	0	0	134	55	126	113	267				695
2,002	0	0	0	0	134	55	126	113	267				695
P. TOTAL													1,221

Para el 2002 se asumieron los datos del 2001

CARRETERA MASAYA

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,993	0	0	0	0	233	226	89	333	208	131	29	0	1,249
1,994	0	0	0	29	209	55	93	103	219	226	139	8	1,080
1,995	0	0	0	37	0	228	114	436	206	181	46	0	1,247
1,996	57	0	0	0	140	157	247	183	254	426	246		1,710
1,997	10	0	0	11	32	395	14	106	15	235	85		903
1,998	0	0	0	0	95	68	88	115	319	688	51	3	1,425
1,999	10	0	0	11	32	395	14	106	15	235	85	0	903
2,000	0	0	0	15	52	17	51	64	202	0	0	0	401
2,001	0	0	0	0	173	106	134	269					682
2,002	0	0	0	0	603	177	221	159	591	186	22	0	1,958
P. TOTAL													1,238

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

CLORINACIÓN

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,995	0	0	0	0	0	116	136	319	321	162	52	14	1,119
1,996	18	0	5	0	254	216	283	115	219	372	152	4	1,638
1,997	8	0	0	0	9	307	23	95	4	247	87	0	779
1,998	0	0	0	0	43	121	109	121	263	801	106	4	1,567
1,999	4	40	5	24	62	189	173	150	214	228	55	0	1,142
2,000	0	0	0	3	67	4	65	48	419	57	0	0	663
2,001	0	0	0	0	119	94	123	167					503
2,002	0	0	0	0	477	124	120	161	314	151	18	0	1,364
P. TOTAL													1,249

14 DE SEPTIEMBRE

ANOS	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	P. TOTAL
1,994	0	0	0	0	96	38	55	0	0	0	144	0	333
1,995	0	0	20	79	71	229	123	338	240	142	43	8	1,292
1,996	42	0	4	0	224	186	267	184	243	361	174	1	1,686
1,997	10	0	1	7	14	338	22	128	22	247	81	0	869
1,998					52	77	119	155	310	634	47	3	1,398
1,999	4	3	0	41	73	170	195	36	196	206	64	0	987
2,000	5	0	0	5	46	149	91	85	303	35	0	0	720
2,001	0	0	0	0	73	124	103	168					468
2,002	0	0	0	0	445	115	104	72	303	85	4	0	1,126
P. TOTAL													1,246

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1993											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE		1.30										1.3
FEB												
MAR												
ABR		29.20										29.20
MAY		337.30		192.60	188.40	186.90	166.60		233.20			217.50
JUN		101.10		83.50	119.50	151.90	196.90		226.20			146.52
JUL		105.40			91.10	100.10	118.20		89.10			100.78
AGO		287.20			253.40	252.20	208.80		332.60			266.84
SEP		345.30		253.30	391.30	345.30	330.50		208.10			312.30
OCT		112.70		161.70	172.90	157.90	144.90		130.50			146.77
NOV		85.20		26.40		75.40	89.80		29.20			61.20
DIC		1.40		1.90		0.70						1.33

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1994											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE	13.50											13.50
FEB	1.20											1.20
MAR	0.50											0.50
ABR	30.30	16.80		75.40		153.50	90.50		28.50			65.83
MAY	196.30	53.90		178.10	176.70	257.60	170.00		209.30		96.00	167.24
JUN	93.70	37.60		48.10	47.10	37.70	75.60		54.50		38.00	54.04
JUL	20.10	31.40			88.50	88.10	80.10		93.30		55.00	65.21
AGO	37.00	57.60		80.70	59.00	85.90	72.30		102.90			70.77
SEP	178.60	269.70		170.70	240.10	243.90	218.20		219.20			220.06
OCT	200.00	189.00		124.40	141.70	329.00	173.60		225.70			197.63
NOV	11.10	131.20			6.30	209.20	121.80		138.70		144.00	108.90
DIC	5.50						18.10		7.60			10.40

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1995											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE												
FEB												
MAR	53.40	15.90					21.80				19.70	27.70
ABR	53.60	112.90			108.70		17.00		36.50		79.00	67.95
MAY	8.20	20.60	13.50	47.50	41.00	32.50	50.90				71.20	35.68
JUN	304.20	185.60	227.50	175.00	173.20	171.50	206.00	51.50	227.70	115.60	228.80	187.87
JUL	143.40	111.30	106.00	108.30	132.70	111.70	132.90	113.50	113.50	136.10	123.20	121.15
AGO	338.70	326.40	203.50	362.00	267.80	363.80	385.10	352.30	435.50	318.90	337.60	335.60
SEP	240.50	340.70	182.00	306.60	317.50	277.30	342.30	266.10	206.30	320.50	239.70	276.32
OCT		197.10	70.50	152.90	171.60	143.60	166.40	202.40	181.40	162.30	142.00	159.02
NOV				48.10	45.90	81.80	42.30	47.20	45.80	51.50	43.40	50.75
DIC				3.20			7.70	19.00		13.80	7.80	10.30

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1996											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE	10.60	28.90	12.50	22.80	22.00	24.00	43.60		57.10	17.60	42.00	28.11
FEB			2.60		0.50							1.55
MAR		5.30	20.50	1.50	1.00					5.00	4.00	6.22
ABR	0.50	0.00	65.00									21.83
MAY	253.70	239.00	321.50	248.90	4.00	235.40	196.80	243.90	139.80	254.30	224.00	214.66
JUN	156.40	259.80	206.00	199.60	131.00	212.80	194.90	189.80	157.30	216.20	186.00	191.80
JUL	320.00	260.70	365.00	263.70	39.50	323.80	278.70	268.60	247.30	282.60	266.90	265.16
AGO	255.00	131.20	216.00	158.60	162.00	125.50	161.60	142.10	182.80	114.80	184.00	166.69
SEP	305.00	304.40	183.00	255.70	237.60	247.80	256.80	213.60	253.80	219.00	243.40	247.28
OCT	357.40	367.50	277.50	411.30	358.10	388.90	410.70	343.30	425.50	371.70	360.90	370.25
NOV	214.10	127.10	105.50	7.00	135.10	185.50	185.10		246.10	152.20	173.60	153.13
DIC	2.40	2.10	5.50		0.50					4.20	0.70	2.57

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1997													PROMEDIO MENSUAL	PROMEDIO MENSUAL
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL	PROMEDIO MENSUAL		
ENE	13.60	5.80	22.00	10.70	11.20	4.70	9.40		9.80	7.50	9.60	25.30	11.60		
FEB	1.40	0.60	4.50			0.20						2.90	2.05		
MAR	1.20	0.40	8.00	0.60				0.50			0.50	8.60	3.10		
ABR	18.60	1.30	65.00	1.00		3.10	5.50	12.50	10.80		7.10	40.90	16.36		
MAY		14.10		10.80		22.00	18.00		32.30	9.10	13.70	4.50	15.56		
JUN	277.10	291.70	397.80	332.00	359.30	384.70	362.30	361.50	395.10	307.20	338.20	393.40	356.65		
JUL	40.70	57.50	49.20	9.50	10.60	22.50	11.60	25.70	14.40	22.70	22.10	41.80	26.15		
AGO	74.10	82.30	48.00	136.00	146.40	78.60	124.30	92.10	105.90	94.60	127.60	96.90	102.97		
SEP	128.00	99.30	79.00	7.50	7.80	16.20	144.50	79.00	14.70	4.10	21.60	80.90	50.42		
OCT	264.10	248.20	312.50	280.80	211.70	293.80	257.50	217.10	234.60	246.90	247.20	231.40	252.88		
NOV	135.80	63.30	59.50	79.80	77.60	61.20	100.20	101.50	85.40	86.60	81.40	230.50	93.36		
DIC	0.30		3.50								0.40	2.70	2.20		

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1998													PROMEDIO MENSUAL	PROMEDIO MENSUAL
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL	PROMEDIO MENSUAL		
ENE			1.00										1.00		
FEB	5.90											16.10	16.10		
MAR															
ABR								3.00				1.00	2.00		
MAY	144.30	50.60	125.50	80.50	59.40	50.50	63.30	47.40	94.70	42.70	52.20	145.20	73.82		
JUN	81.80	117.90	83.00	76.10	57.90	98.10	71.70	75.00	67.60	121.10	77.30	67.90	83.05		
JUL	186.10	100.50	257.50	122.00	111.30	141.40	100.90	140.50	88.00	109.00	118.60	140.10	129.98		
AGO	183.20	119.20	126.50	81.90	81.90	139.10	80.10	77.90	114.80	120.70	155.10	188.90	116.92		
SEP	248.50	229.80	195.00	313.90	322.80	294.00	343.90	310.90	318.80	262.90	310.10	348.40	295.50		
OCT	692.00	836.80	863.50	742.80	622.60	770.10	736.50	767.50	688.30	801.20	634.40	948.20	764.72		
NOV	109.80	91.60	54.00	68.50	47.90	53.30	53.70	89.20	50.70	105.70	47.30	139.80	72.88		
DIC	17.80	19.70	3.00	10.60	3.70	7.10	4.50	7.70	2.50	3.60	3.20	17.50	7.55		

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 1999													PROMEDIO MENSUAL	PROMEDIO MENSUAL
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL	PROMEDIO MENSUAL		
ENE	4.90	4.10		1.30	1.00	2.50	1.50		9.80	3.60	3.80	23.50	5.68		
FEB	65.90	56.50		50.70	62.00	4.90	37.80			39.90	2.60	15.50	33.74		
MAR	2.50	6.90		7.50	15.00	3.50	11.00			4.60		1.50	7.14		
ABR	1.30	37.20		4.70	14.50	39.20	0.50		10.80	23.80	40.80	95.90	29.71		
MAY	158.70	45.20		57.40	69.80	61.50	71.50	75.20	32.30	61.70	72.50	114.10	66.12		
JUN	135.30	141.50		167.90	134.30	208.10	116.50	95.70	395.10	189.20	169.90	227.00	184.52		
JUL	157.90	195.90		193.60	118.60	207.40	170.40	182.90	14.40	172.50	195.40	161.00	161.21		
AGO	115.70	168.60		104.70	55.30	168.30	86.20	140.20	105.90	149.60	35.90	167.20	118.19		
SEP	420.60	348.90		245.00	149.30	244.50	278.10	350.90	14.30	214.20	195.70	446.10	248.70		
OCT	285.20	192.10		236.80	248.00	283.20	252.20	214.30	234.60	227.60	206.30	266.90	236.20		
NOV	41.70	56.70		56.30	64.80	74.50	94.00	95.80	85.40	55.30	64.00	145.80	79.26		
DIC	3.20	0.30										9.70	5.00		

ANNEX 3.E Data of Precipitation in Managua City (ORIENTAL)

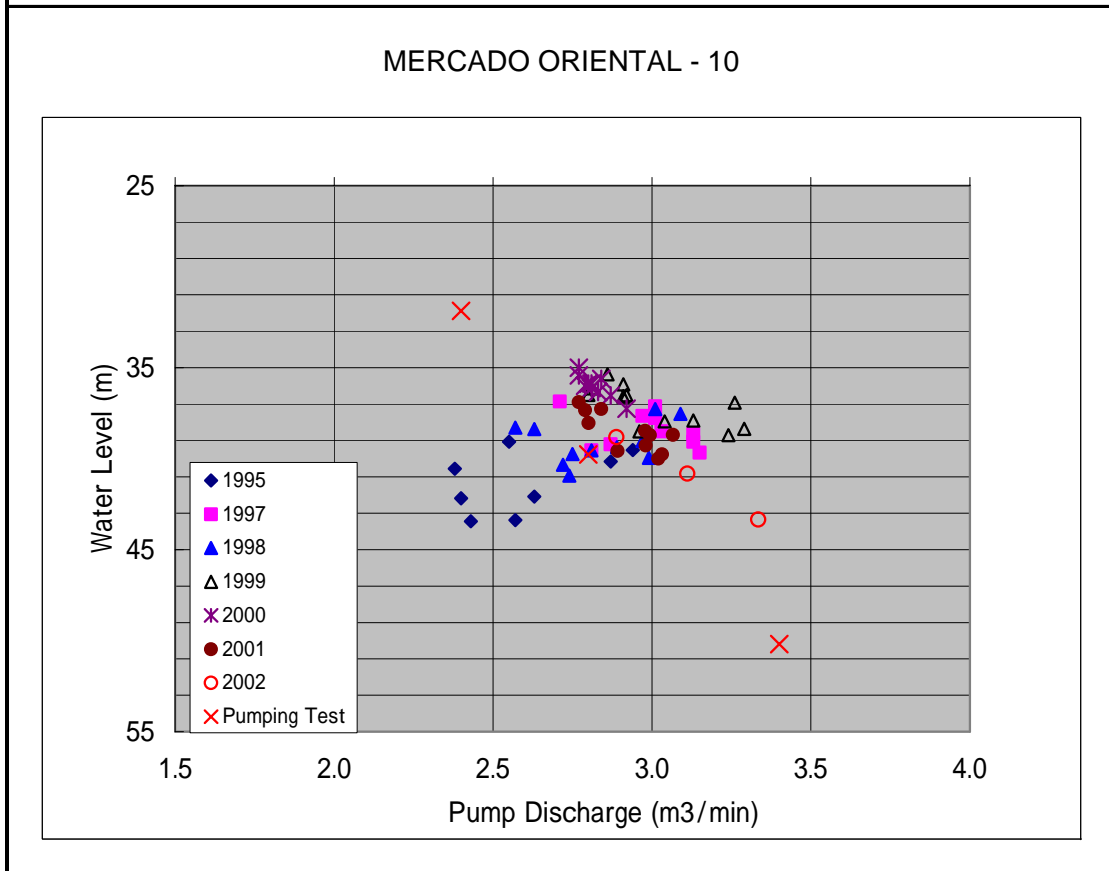
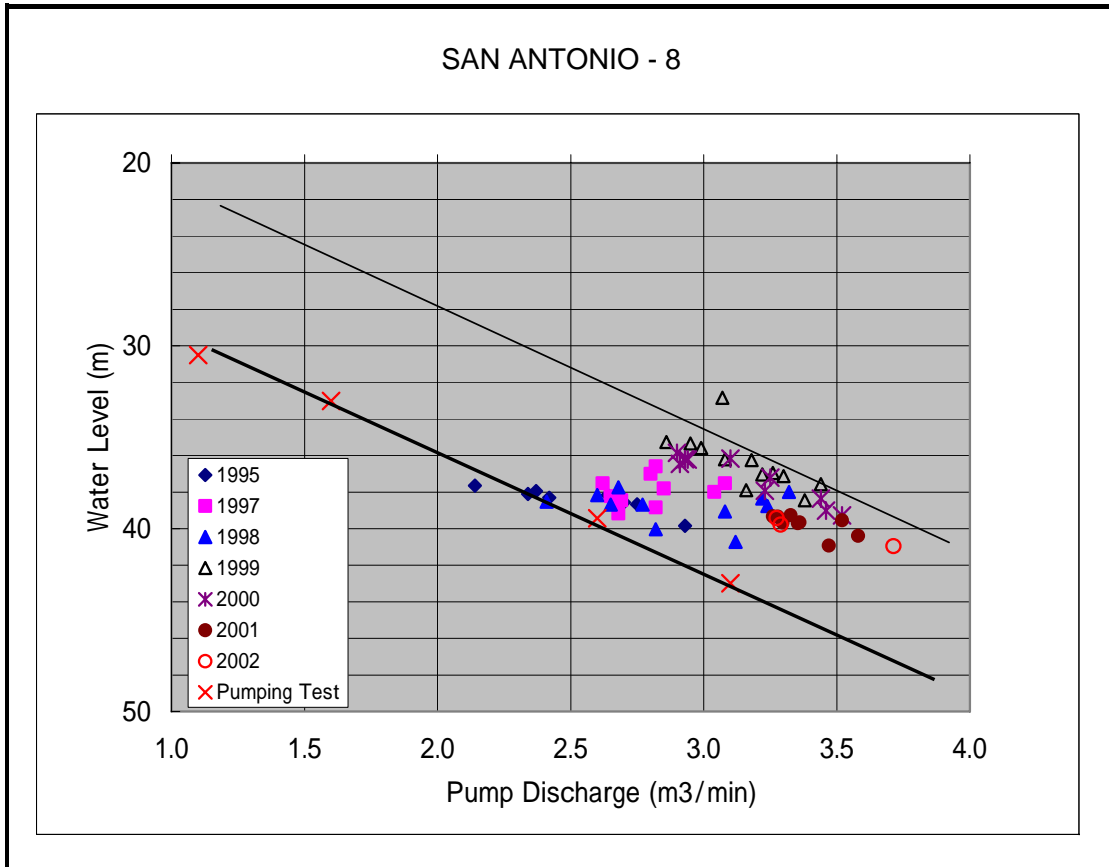
MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 2000											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE		2.70									5.40	4.05
FEB		0.02										0.02
MAR		0.10										0.10
ABR		4.30				10.00	12.80	13.20	15.00	3.30	5.00	9.09
MAY		72.80	31.75	45.50		36.60	34.60	54.60	51.70	67.20	46.30	49.01
JUN		118.10	142.50	3.10		3.80	15.10	139.00	17.40	3.70	149.40	65.79
JUL		103.00	45.50	114.30		55.80	56.90	62.50	51.30	65.30	91.20	71.76
AGO		63.50	80.70	91.50		47.10	81.50	78.80	63.70	48.30	85.10	71.13
SEP		452.70	264.50	306.50		461.90	251.20	277.30	201.50	418.80	302.80	326.36
OCT		121.80	192.00	86.80		58.20	89.00	272.20		56.50	34.50	113.88
NOV		12.70										12.70
DIC		5.20										5.20

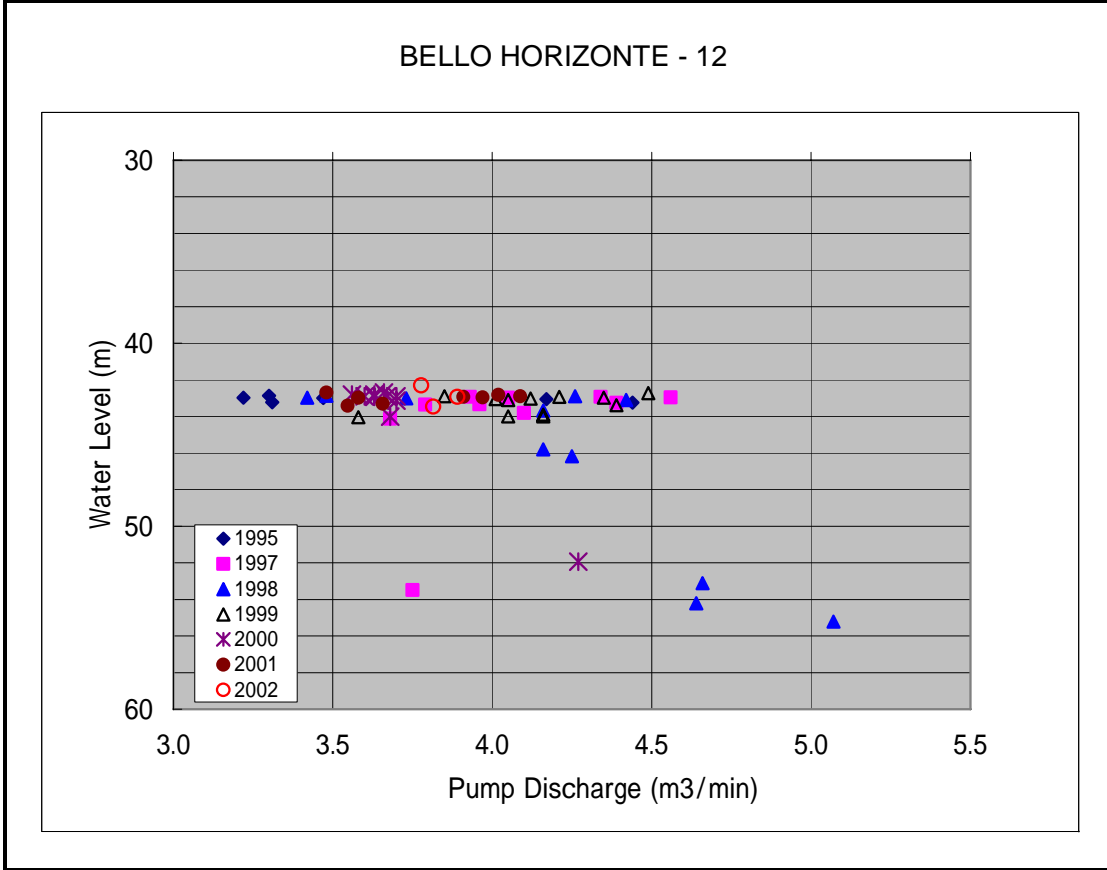
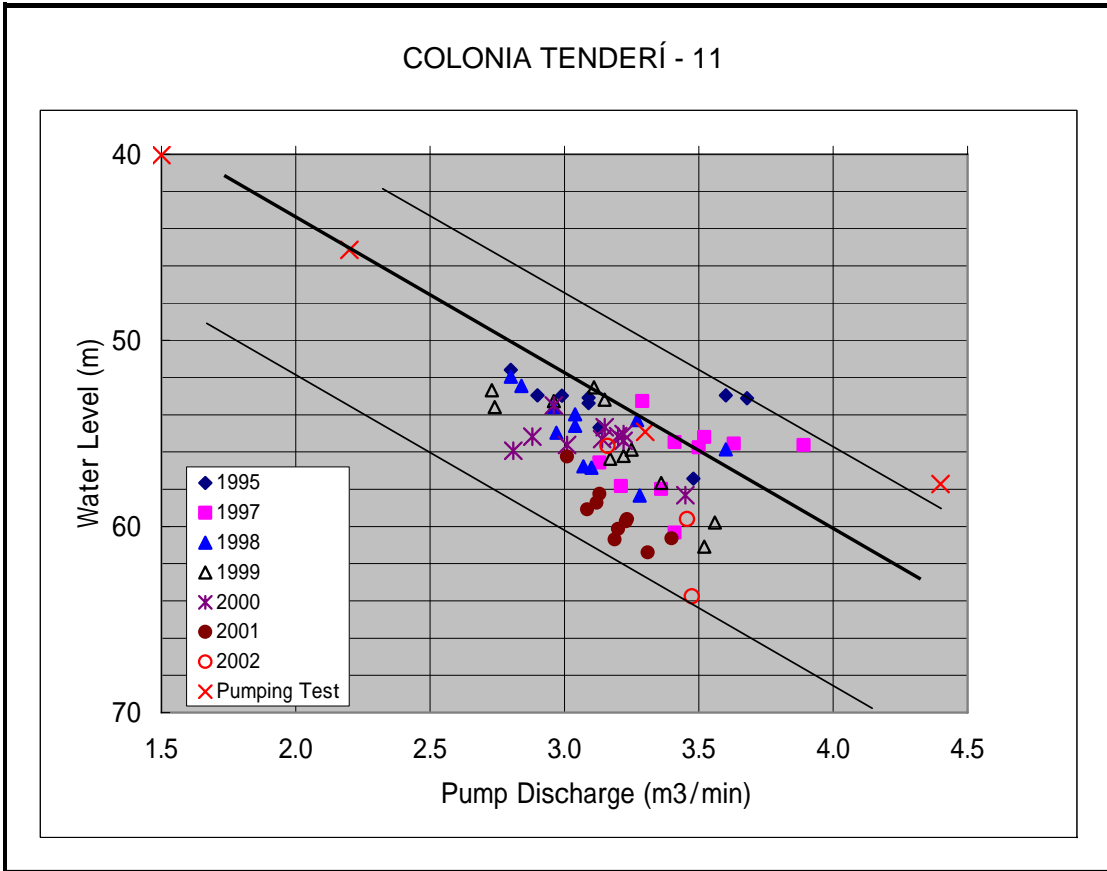
MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 2001											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE		0.60										0.60
FEB		1.70										1.70
MAR												
ABR		122.70										122.70
MAY		79.40	102.90	102.90	77.60	129.90	147.70	134.00	173.00	119.20	73.30	113.99
JUN		103.50	73.30	73.30	83.60	112.30	87.50	55.40	106.20	94.10	124.20	91.34
JUL		173.40	181.60	181.63	97.70	104.40	106.70	125.70	133.90	122.50	102.80	133.03
AGO		256.40	190.40	190.40	131.70	112.80	198.40	112.50	269.10	167.70	168.50	179.79
SEP		102.80						266.90				184.85
OCT		21.20										21.20
NOV		0.30										0.30
DIC												

MESES	PRECIPITACIONES MENSUALES EN ESTACIONES PLUVIOMÉTRICAS - AÑO 2002											
	TICUANTEPE	AEROPUERTO	LA CONCHA	VILLA AUSTRIA	VILLA LIBERTAD	R. HERRERA	R. SHICK	S. GRANDE	C. MASAYA	CLORINACION	14 DE SEPT.	PROMEDIO MENSUAL
ENE												
FEB												
MAR												
ABR												
MAY				423.70	424.10	419.50	357.10	134.00	603.00	477.00	444.50	410.36
JUN				96.50	112.10	98.00	114.10	55.40	177.20	123.90	114.50	111.46
JUL				127.60	60.30	108.30	150.20	125.70	221.00	120.00	104.10	127.15
AGO				74.30	89.00	74.30	167.50	112.50	158.50	161.10	71.50	113.59
SEP				280.30	338.40	289.00	367.40	266.90	591.40	313.90	302.70	343.75
OCT				89.80	62.80	123.80	110.40		185.70	150.50	84.80	115.40
NOV				7.20	9.40	18.20	17.50		21.60	17.90	3.70	13.64
DIC												

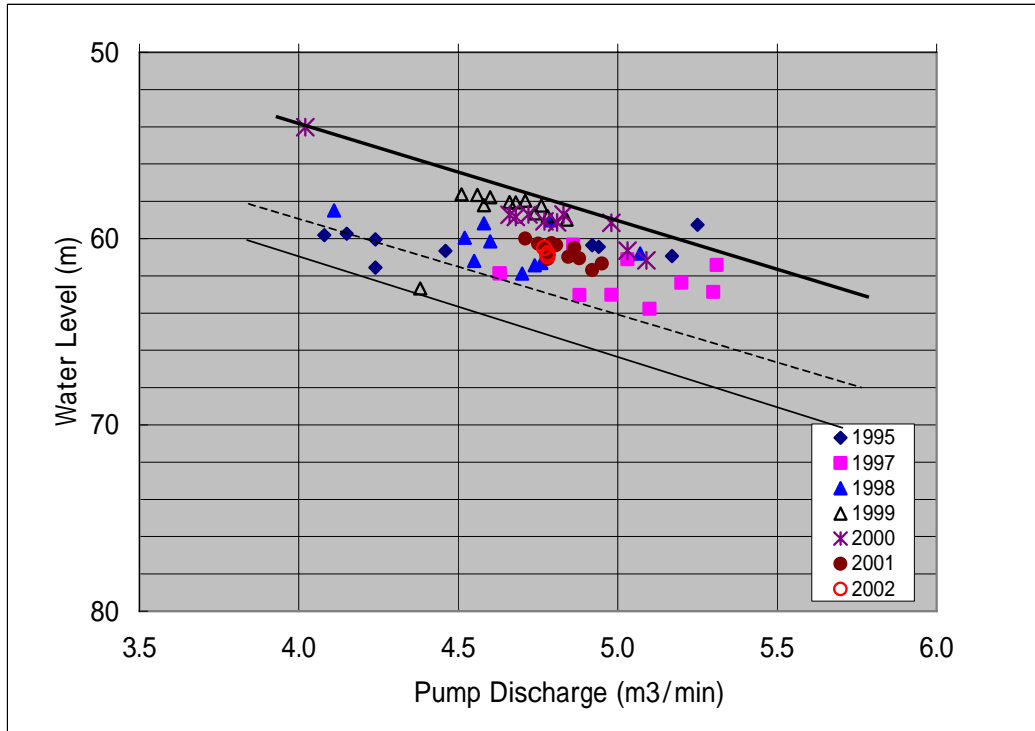
ANNEX 3F

Relations between Extraction Volumes and Water Levels

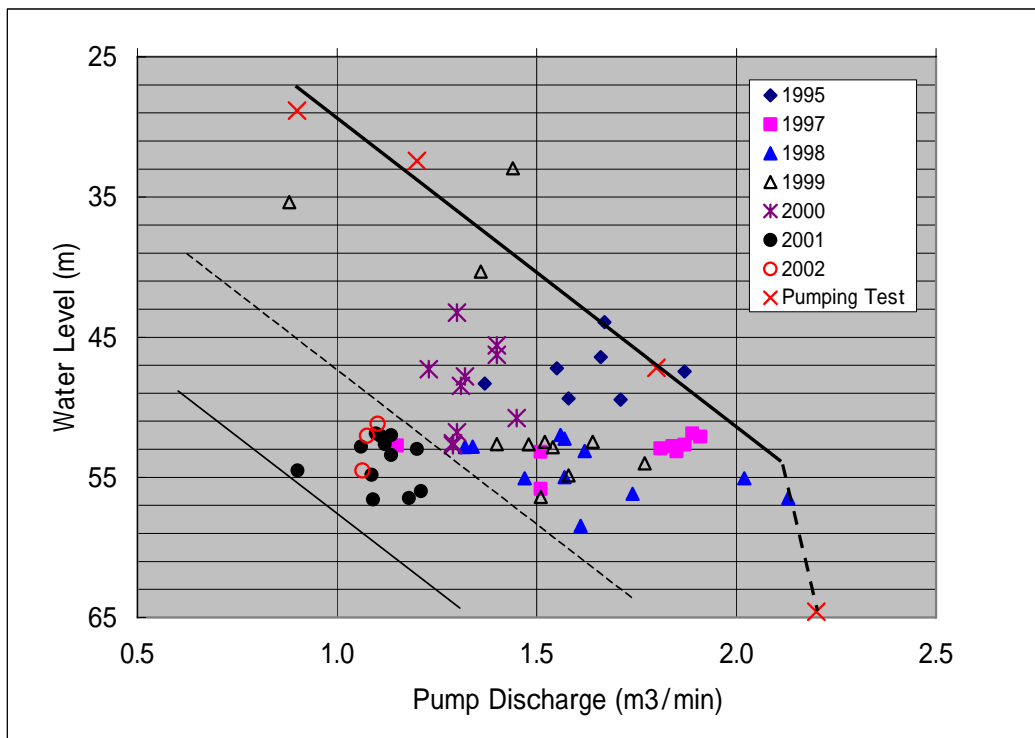




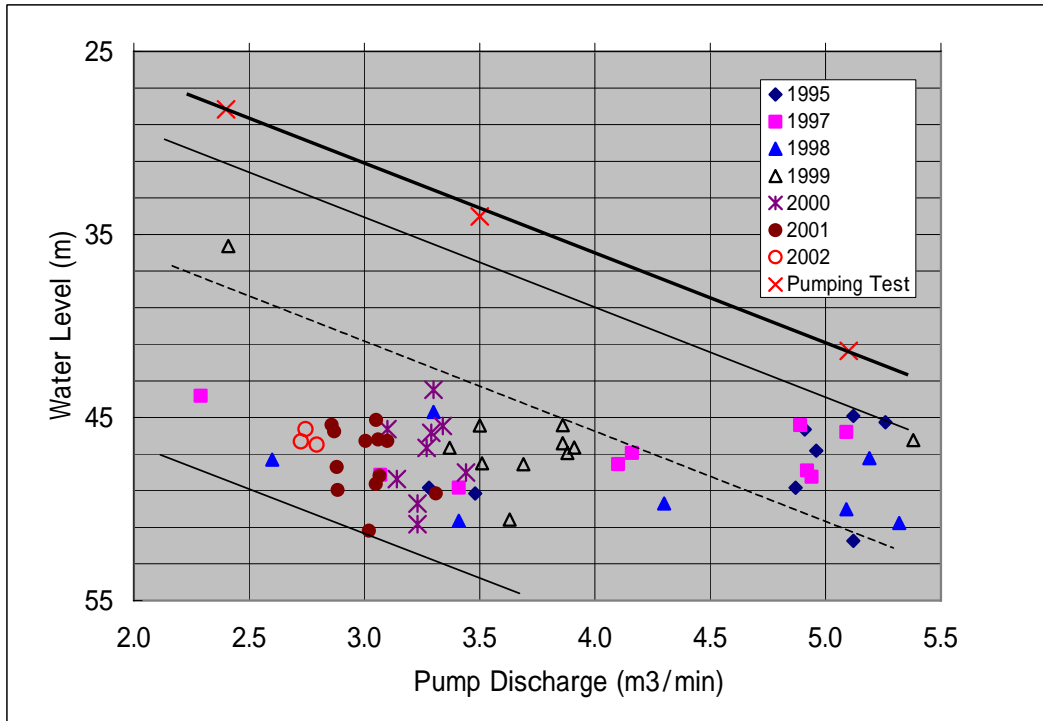
RAFAELA HERRERA - 13



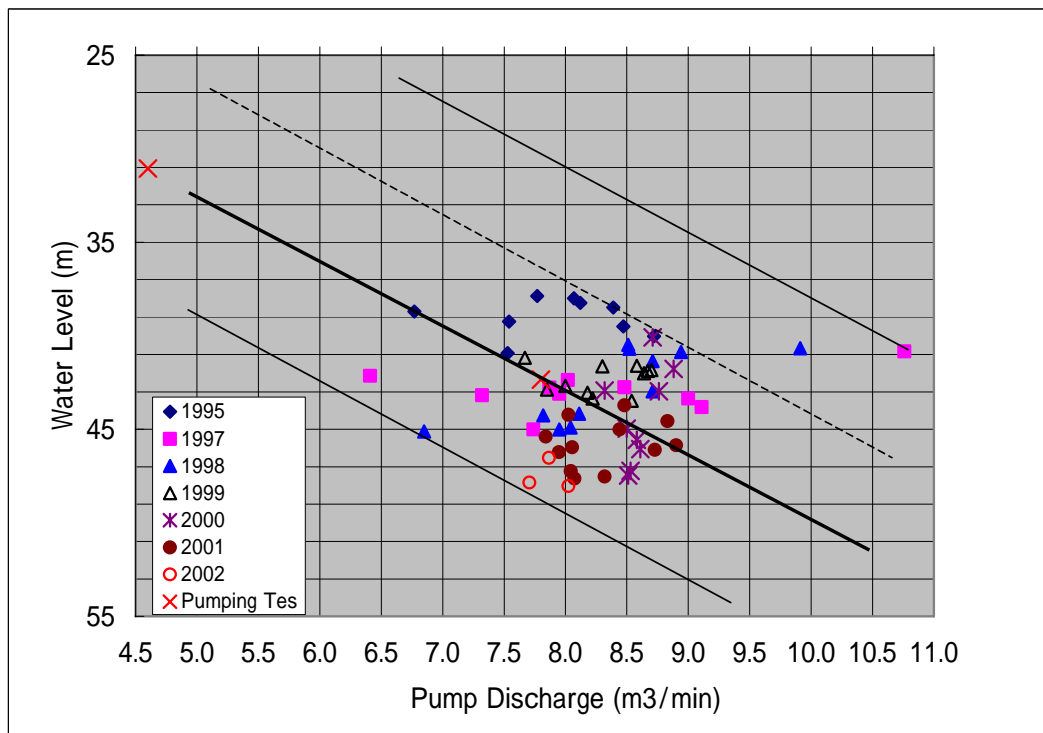
LAS MERCEDES #1 - 17

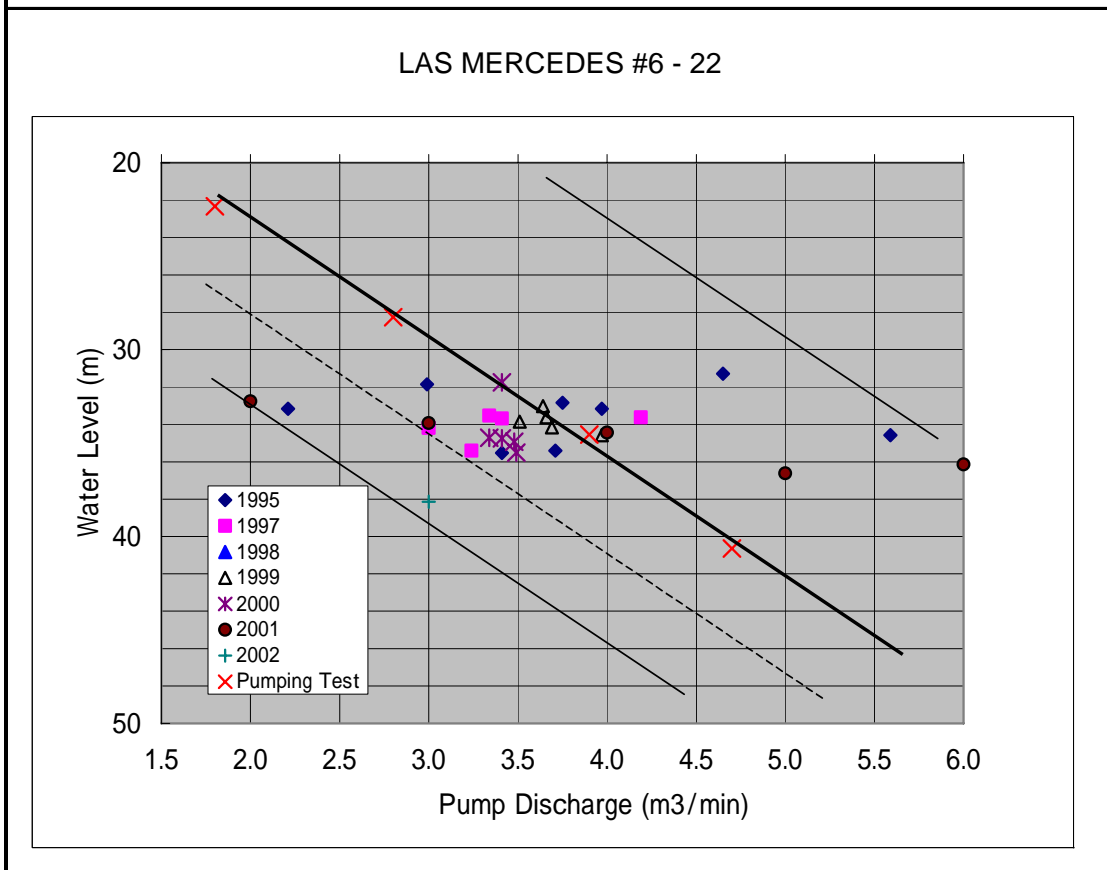
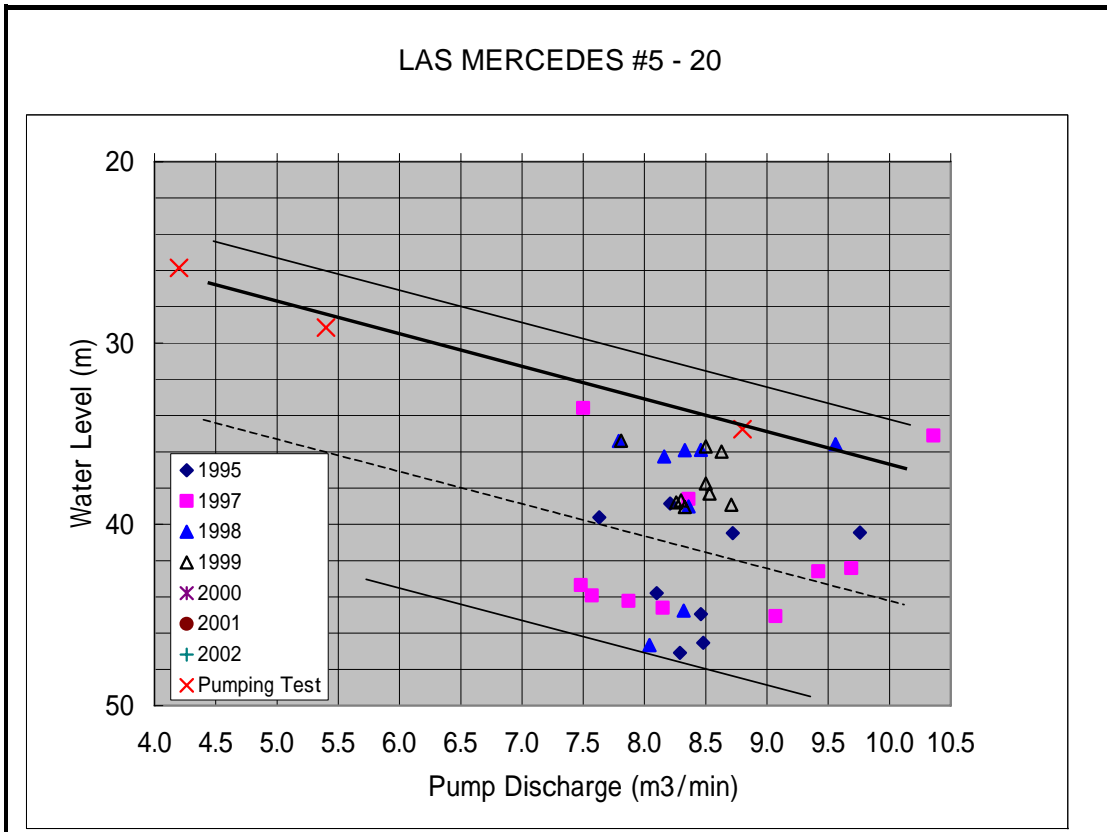


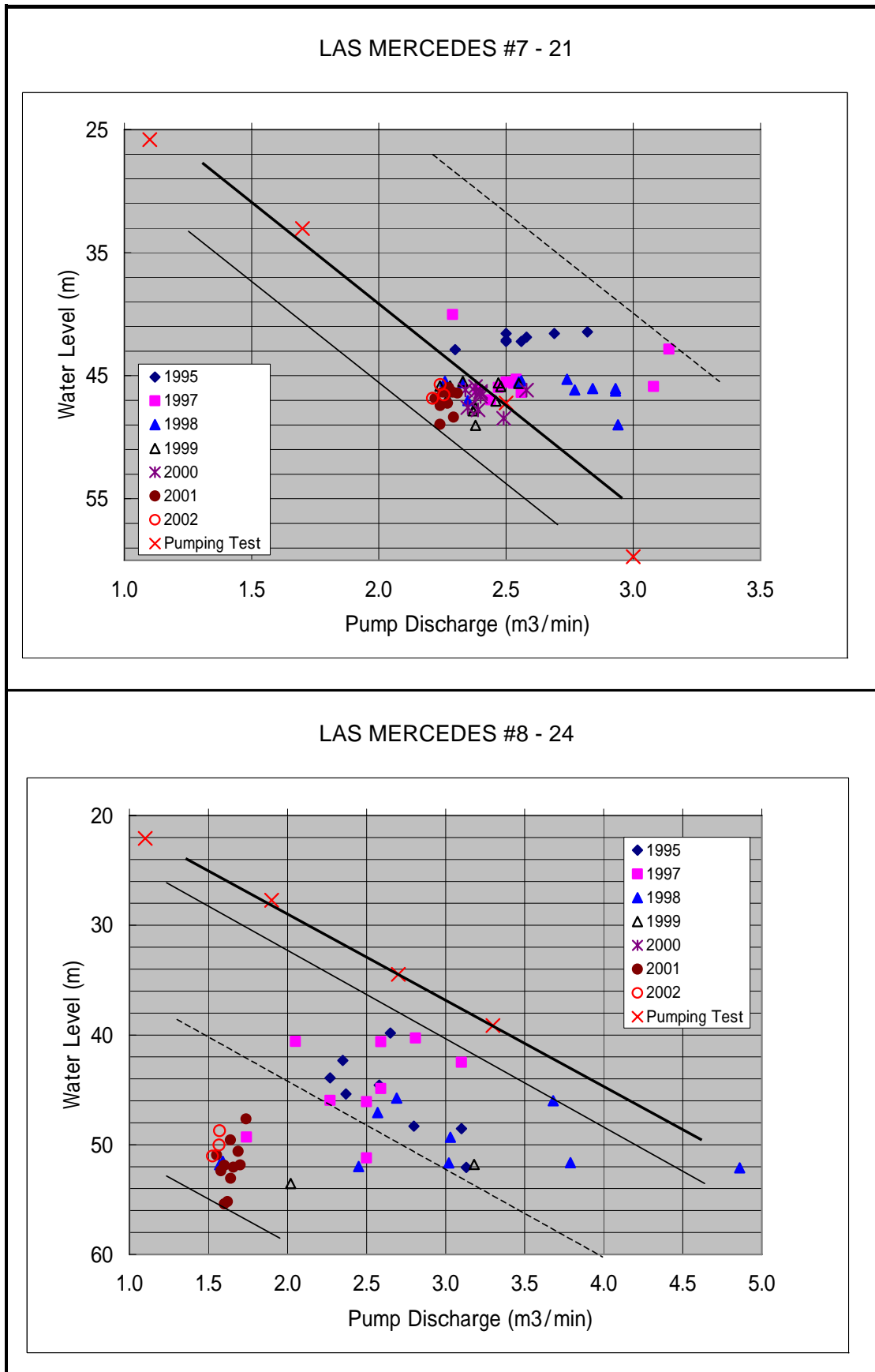
LAS MERCEDES #3 - 18

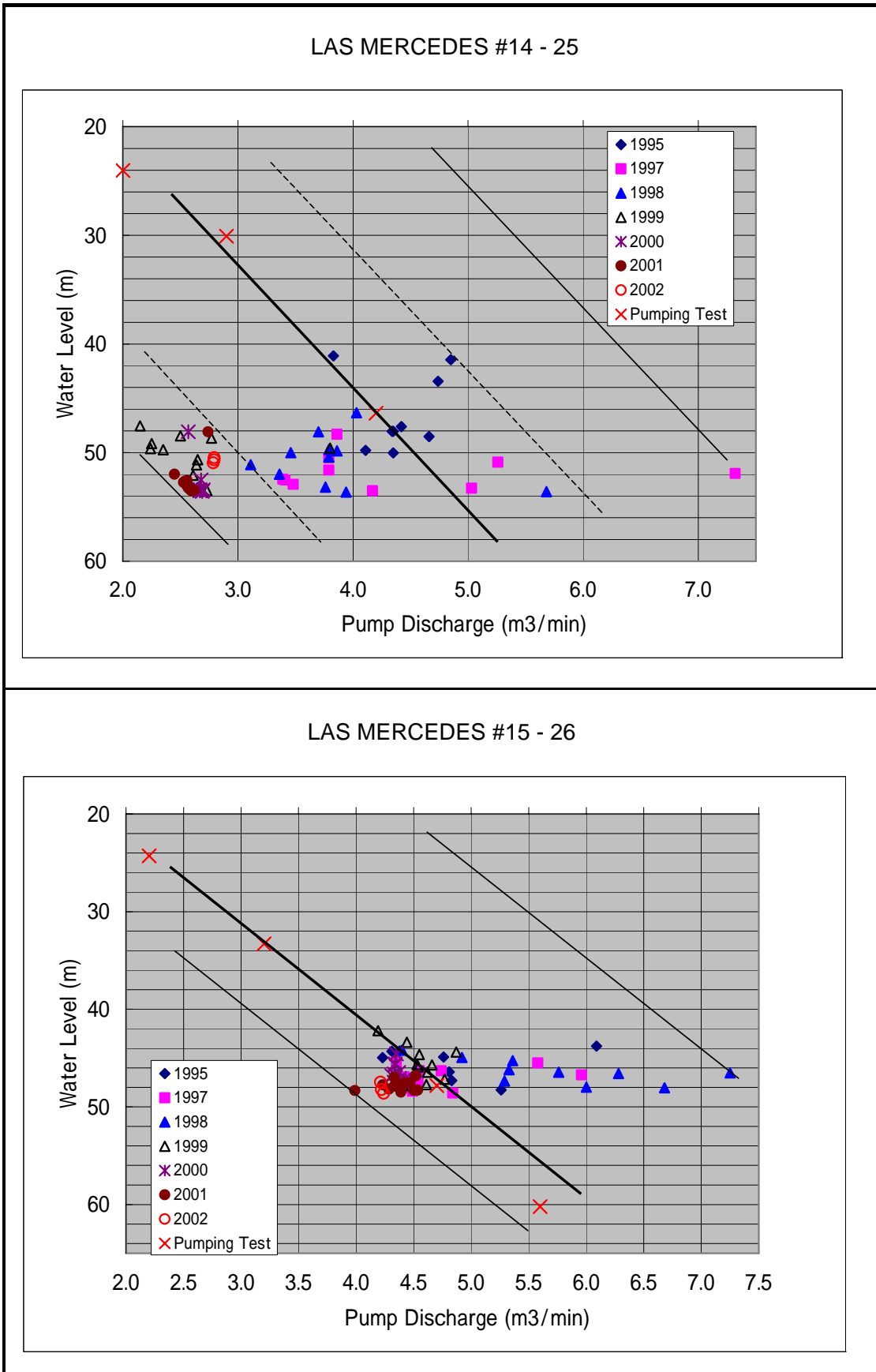


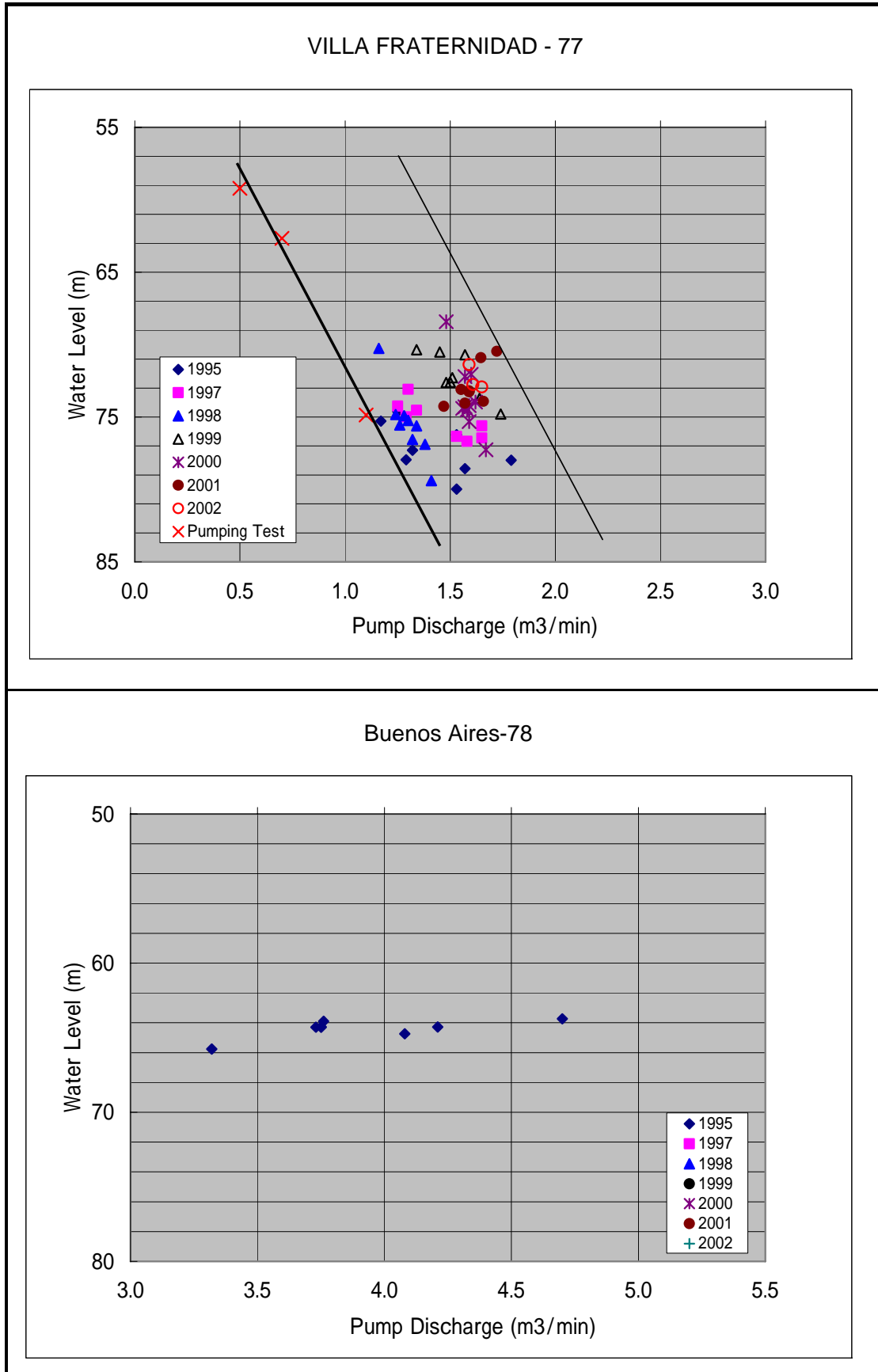
LAS MERCEDES #4 - 19

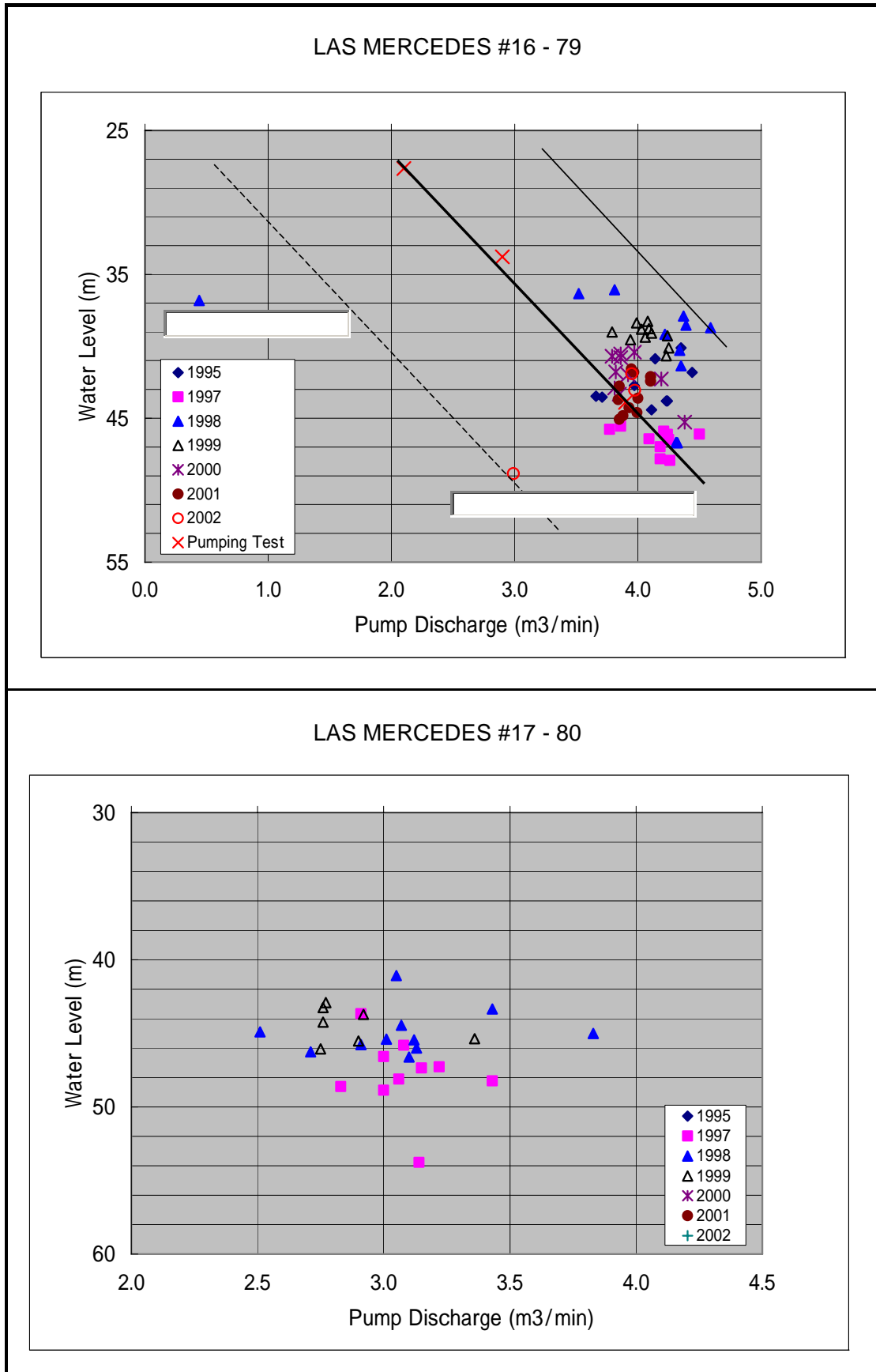


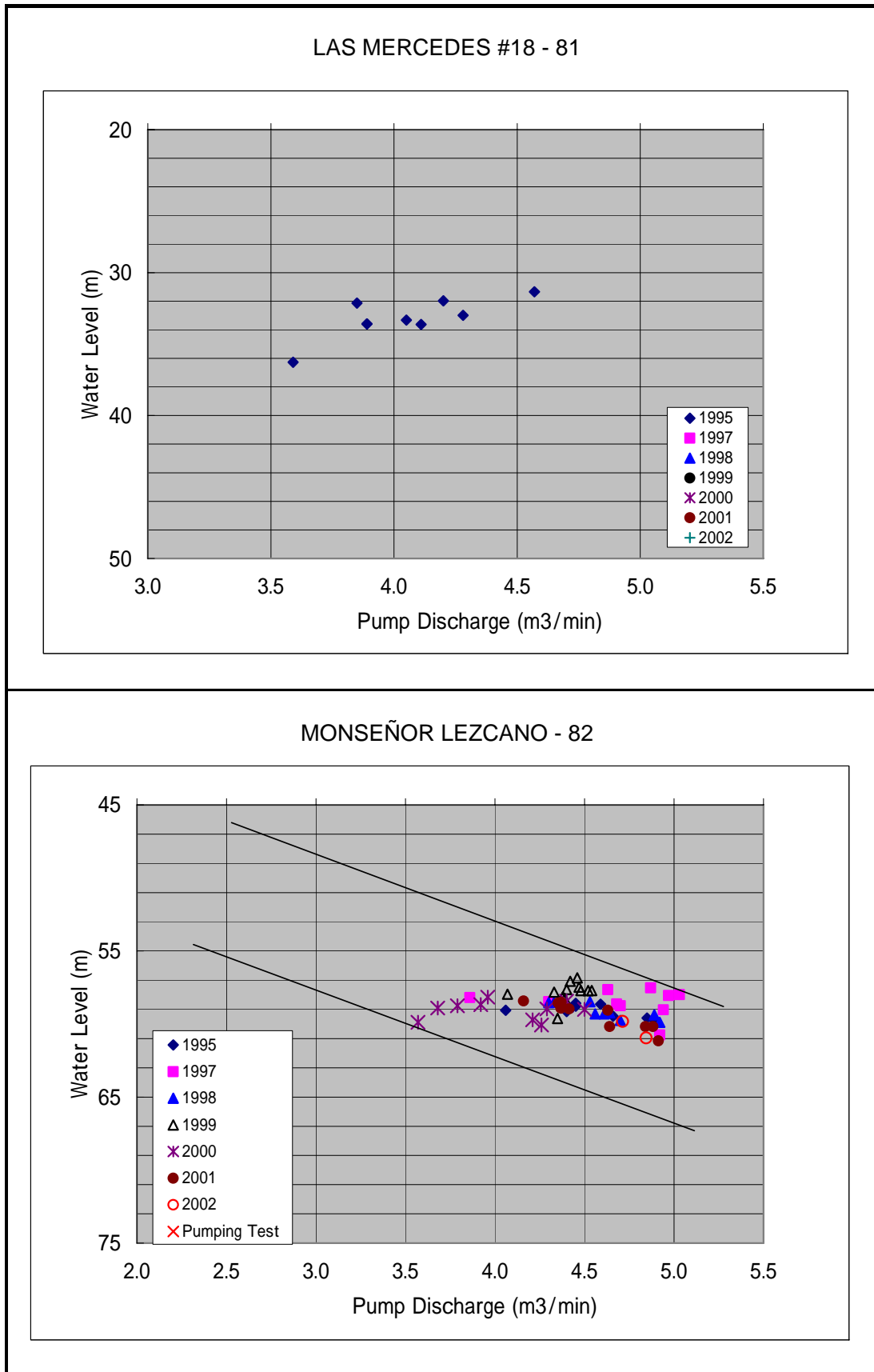




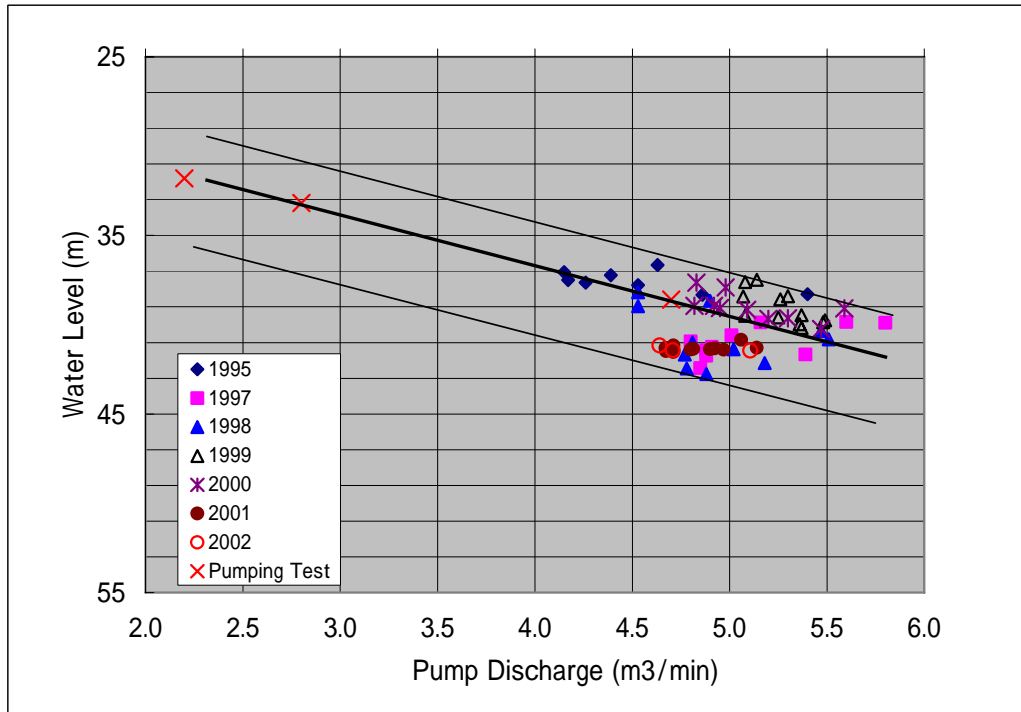




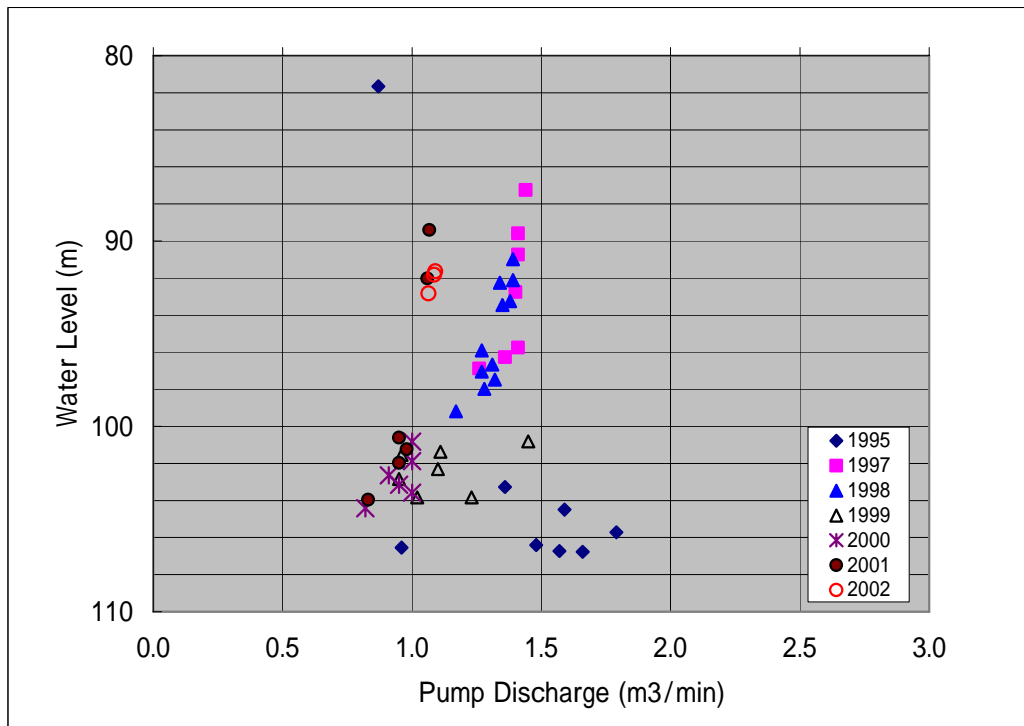


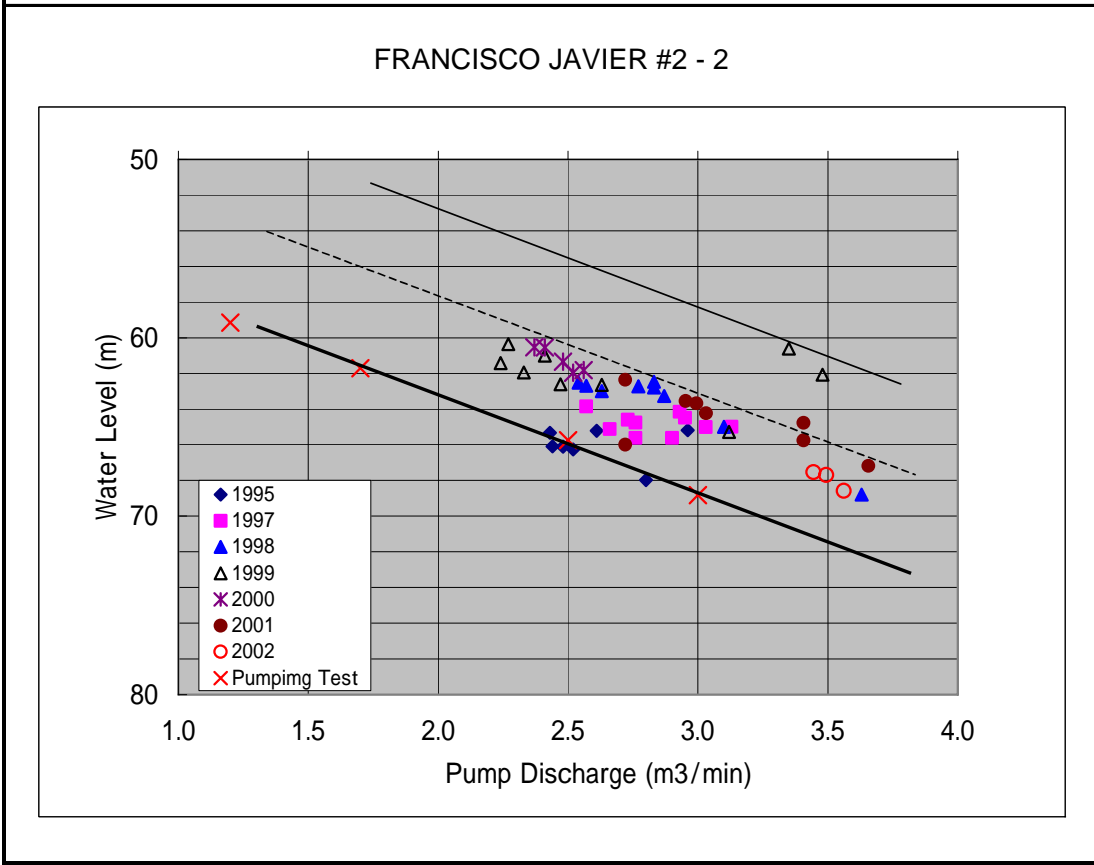
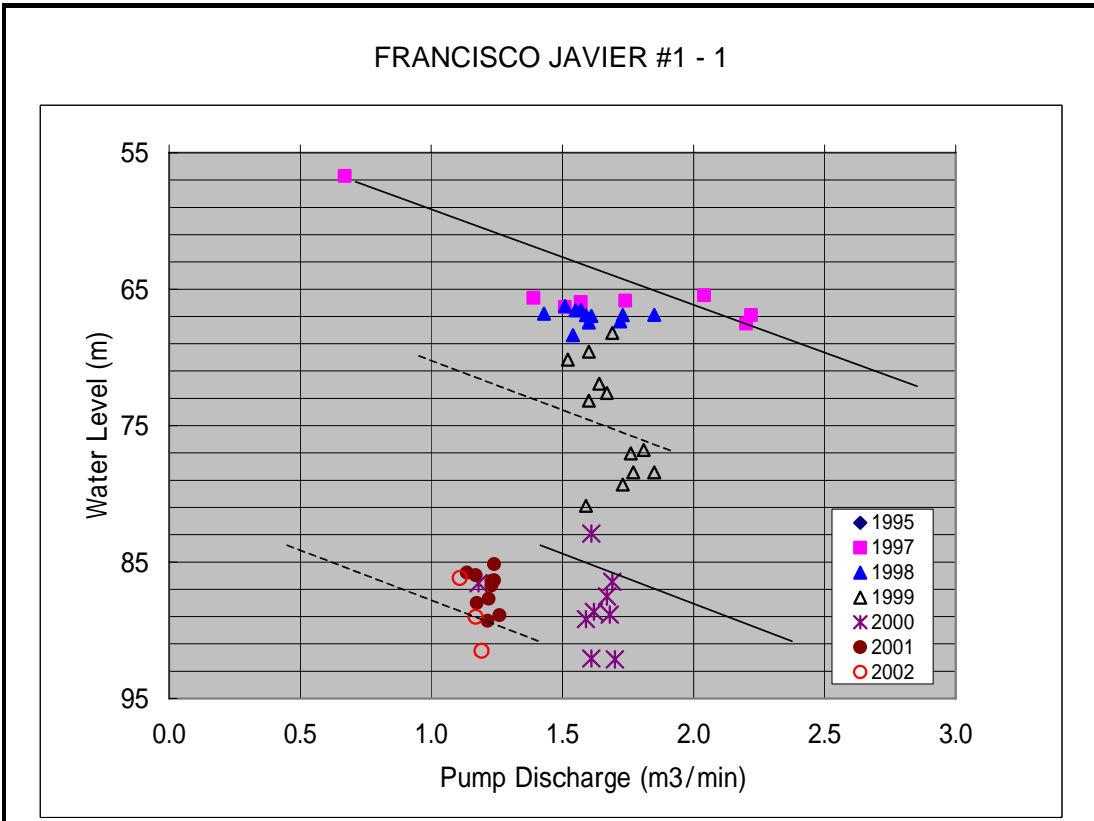


LAS BRISAS - 84

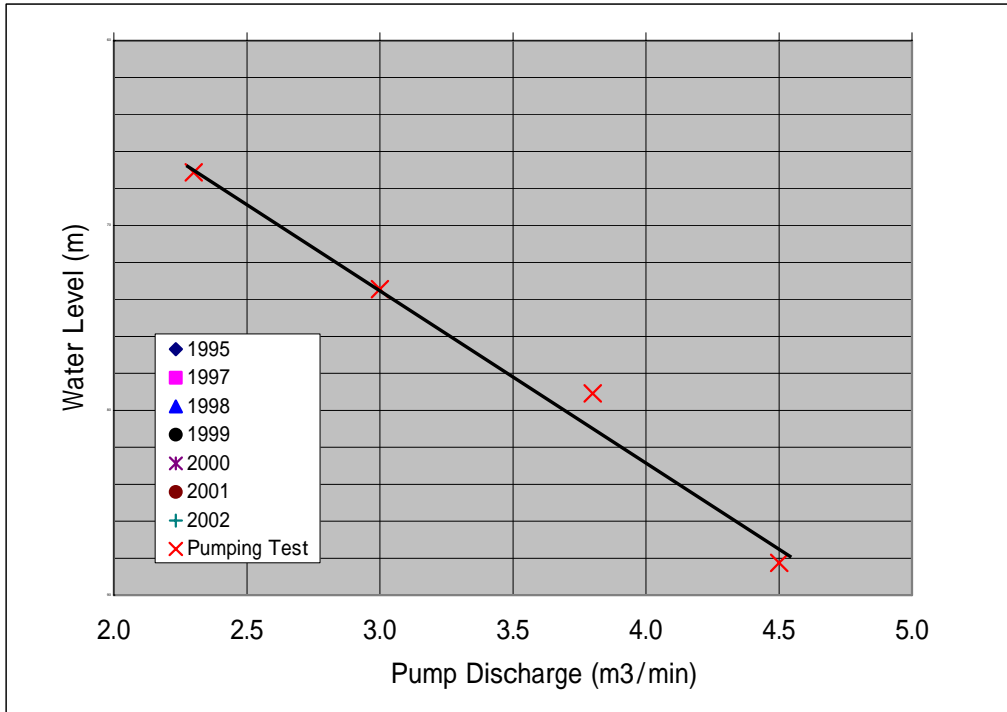


SAN CRITÓBAL #3-104

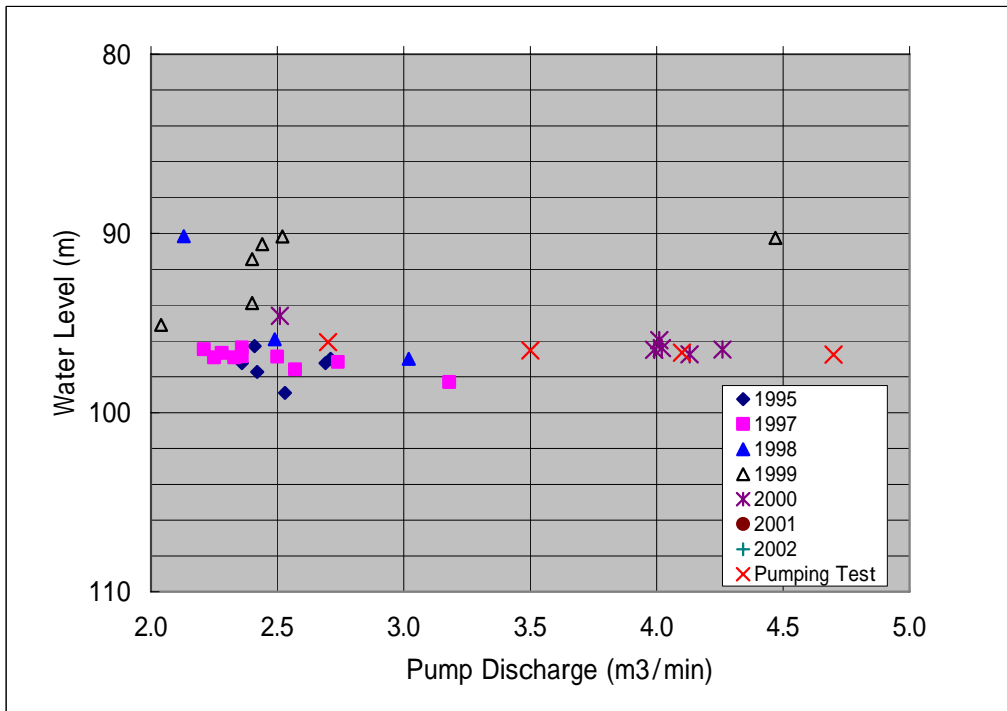




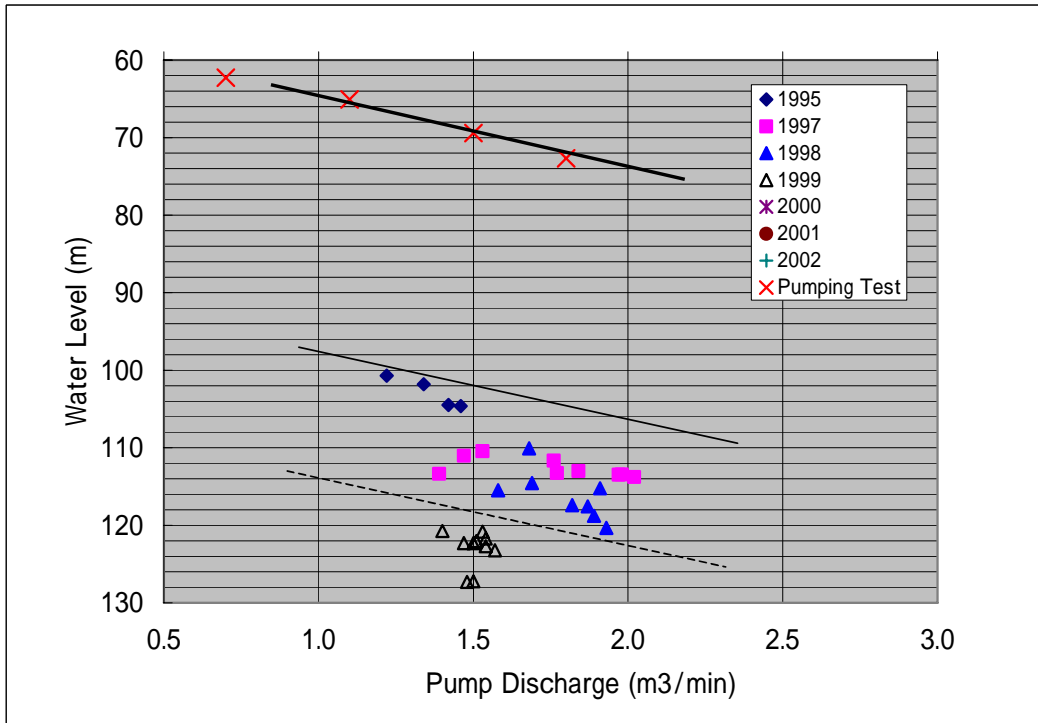
FRANCISCO JAVIER #3 - 3



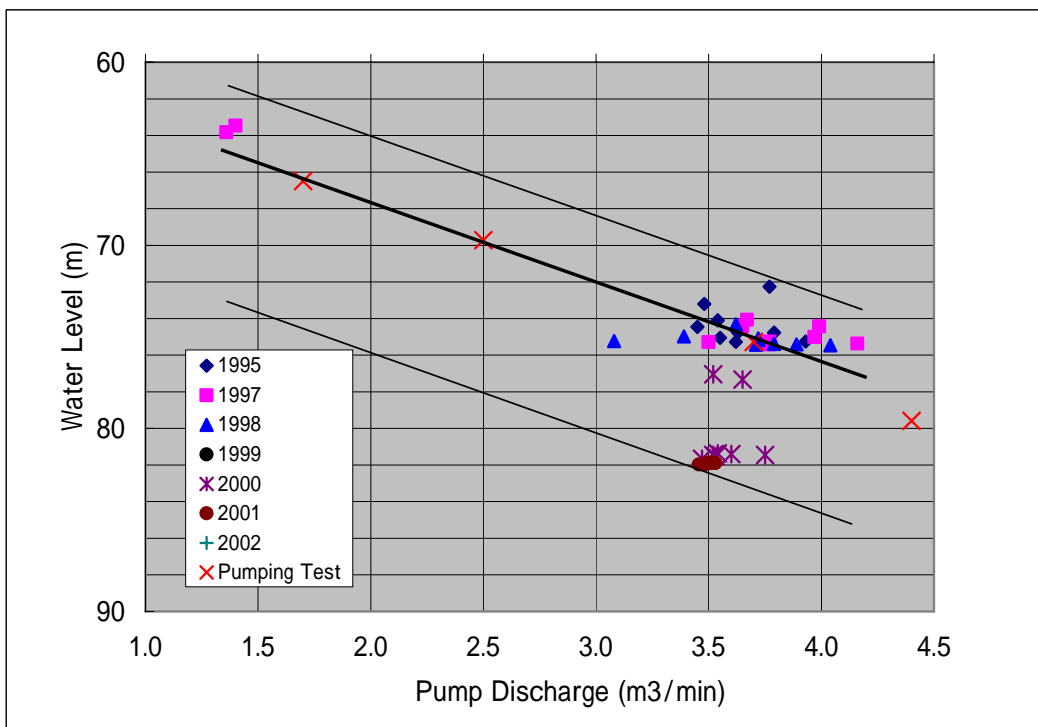
SATÉLITE ASOSOSCA #3 -6

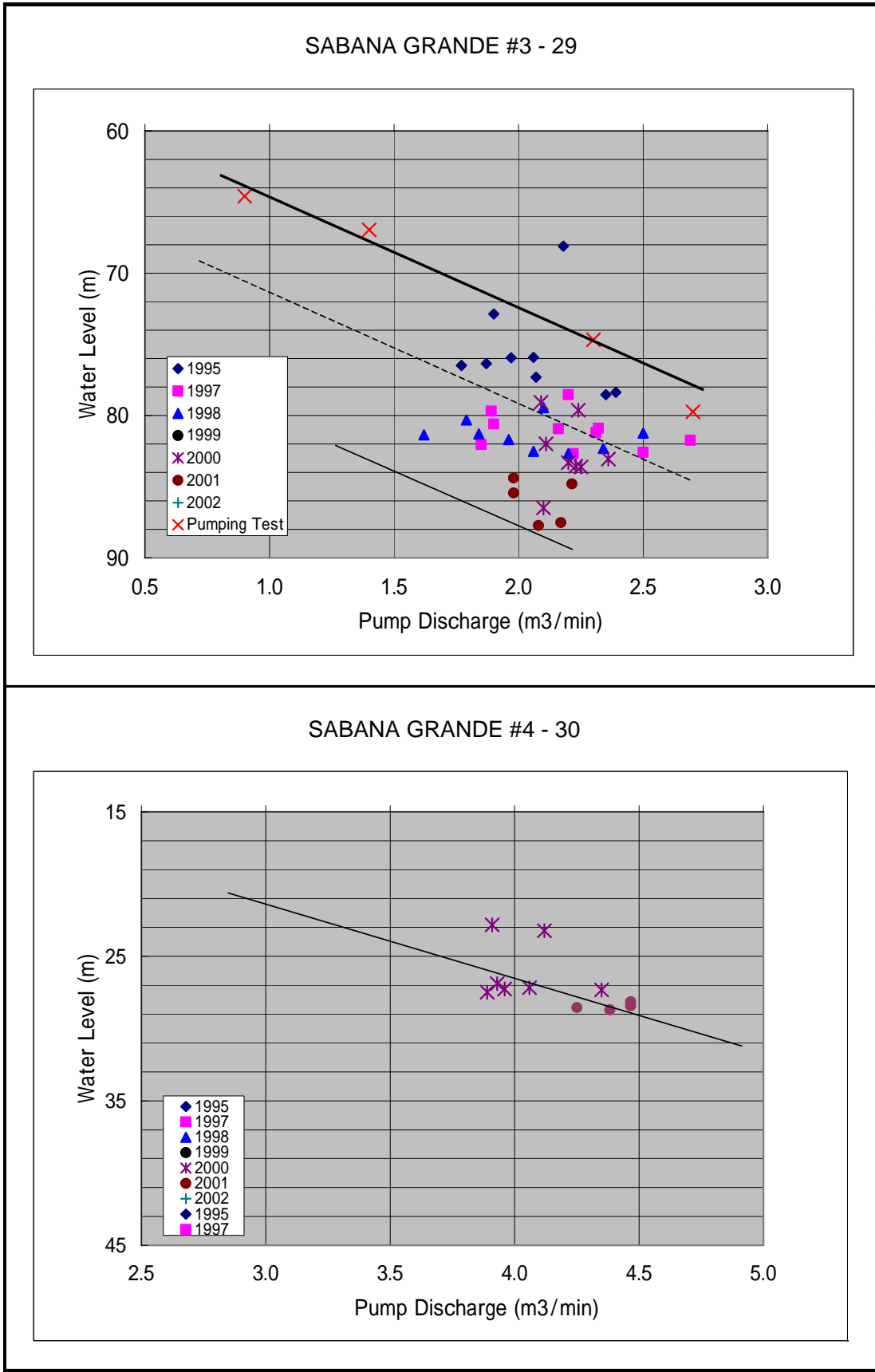


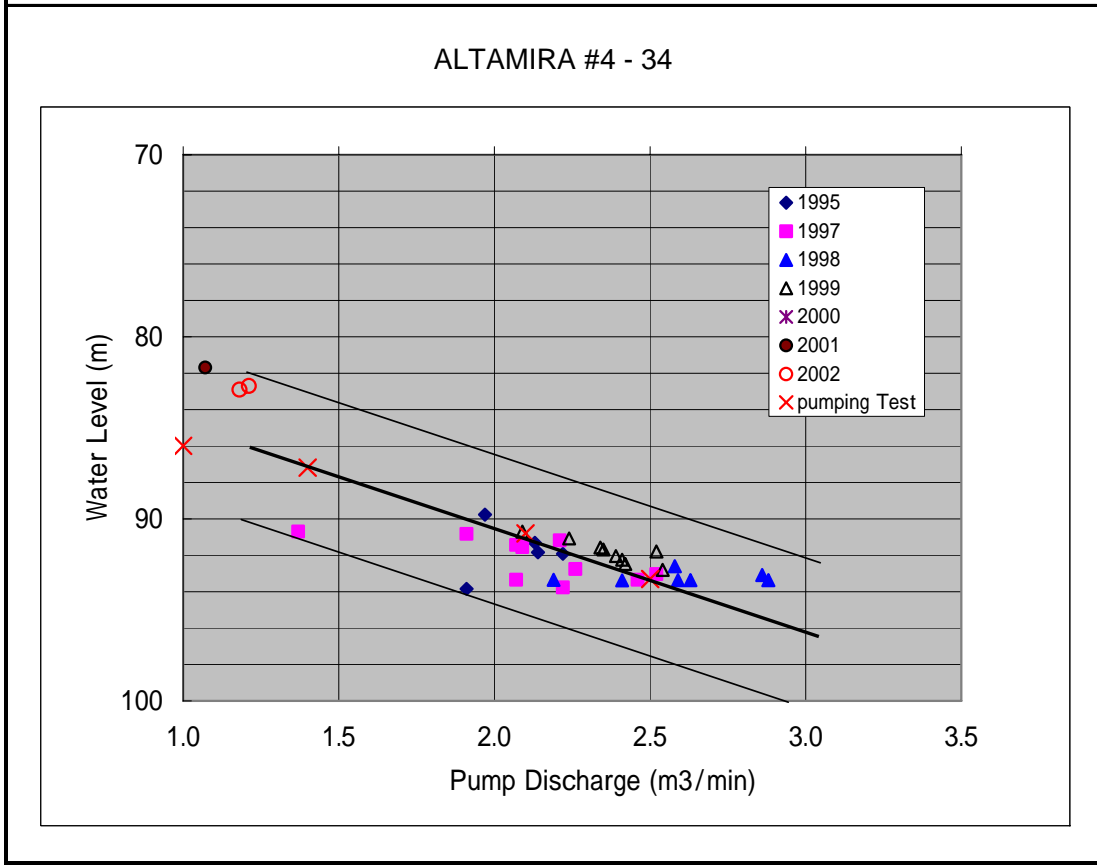
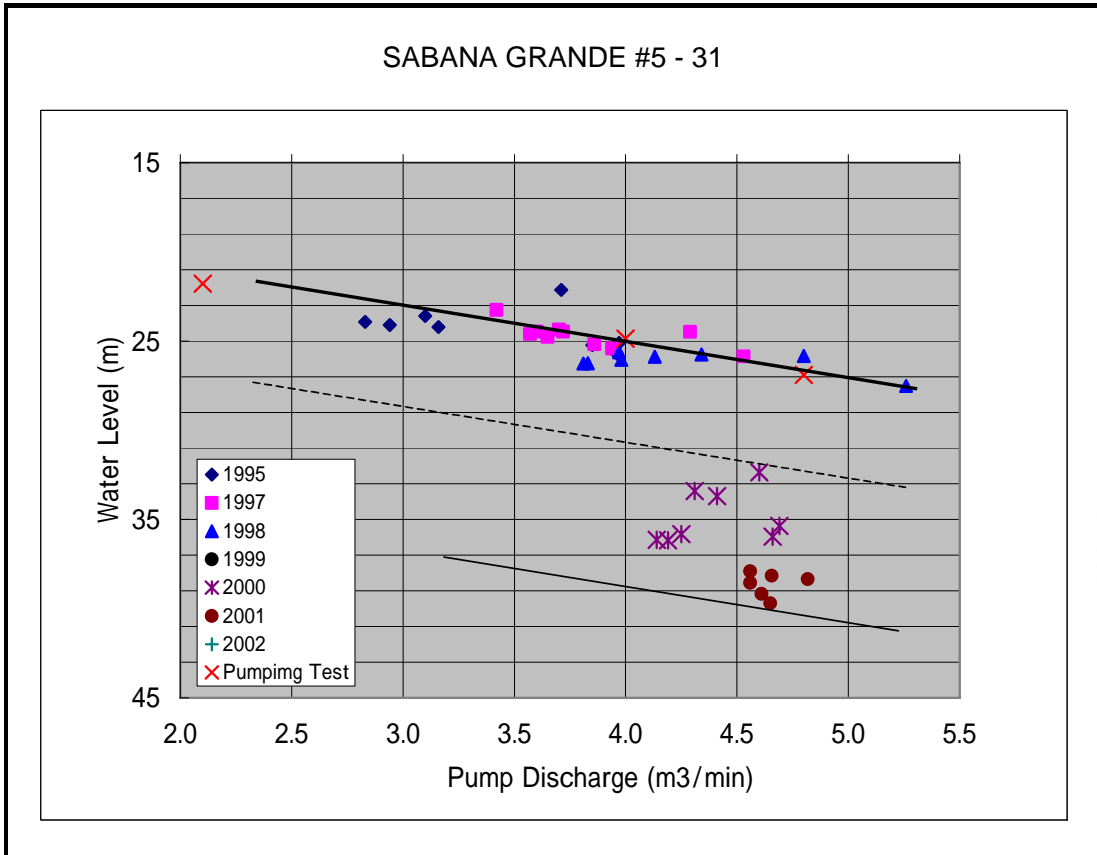
SABANA GRANDE #1 - 27



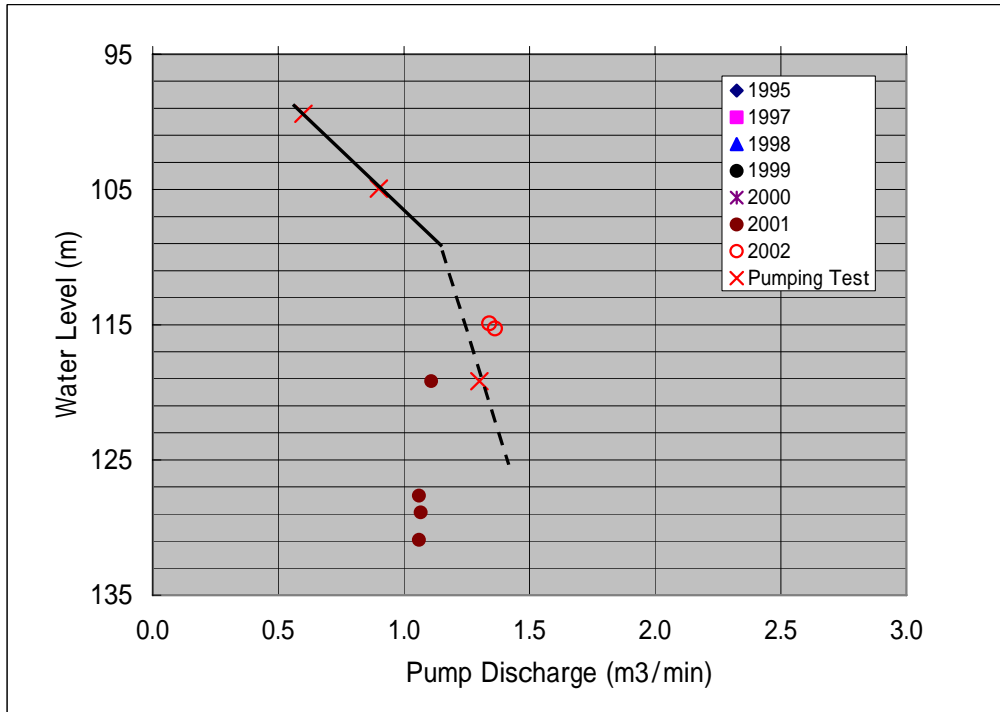
SABANA GRANDE #2 - 28



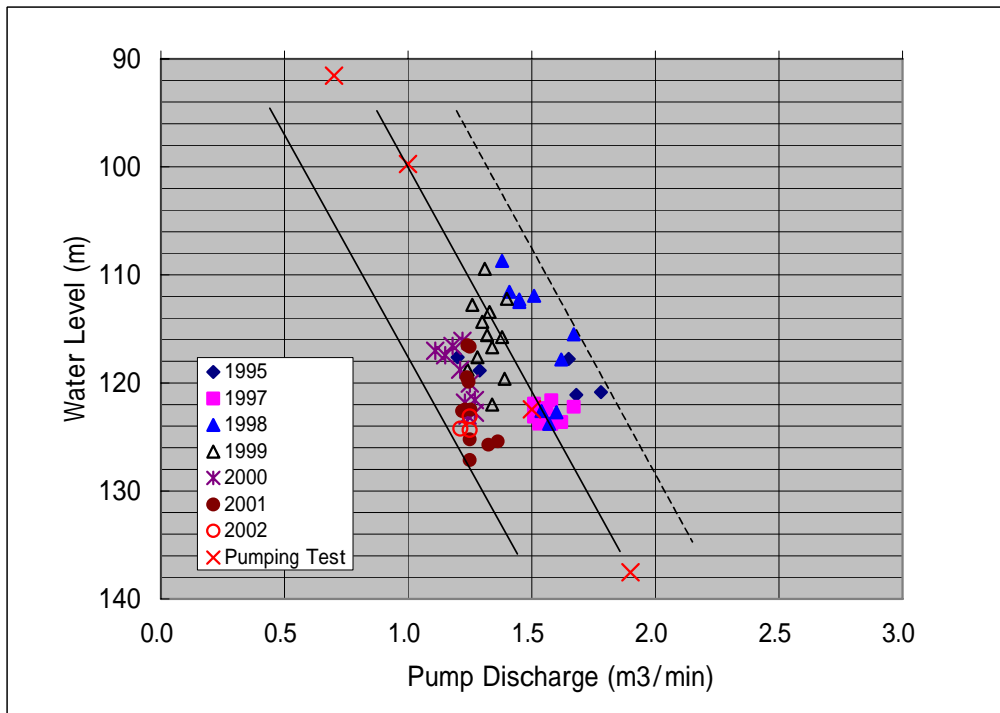




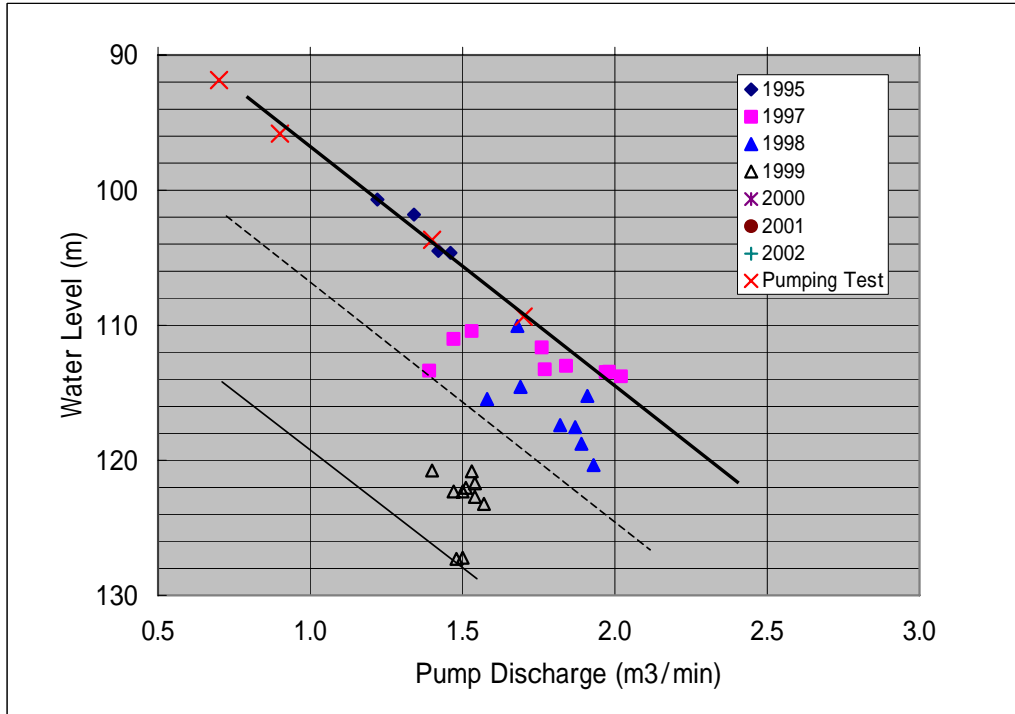
ALTAMIRA #5 - 35



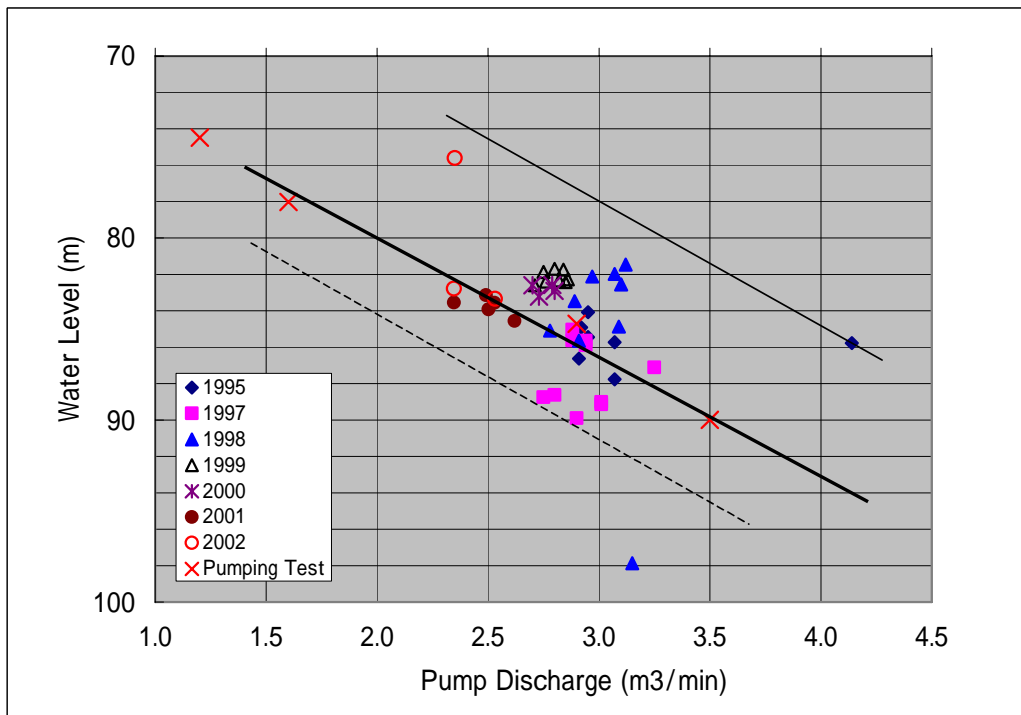
VILLA LIBERTAD - 46



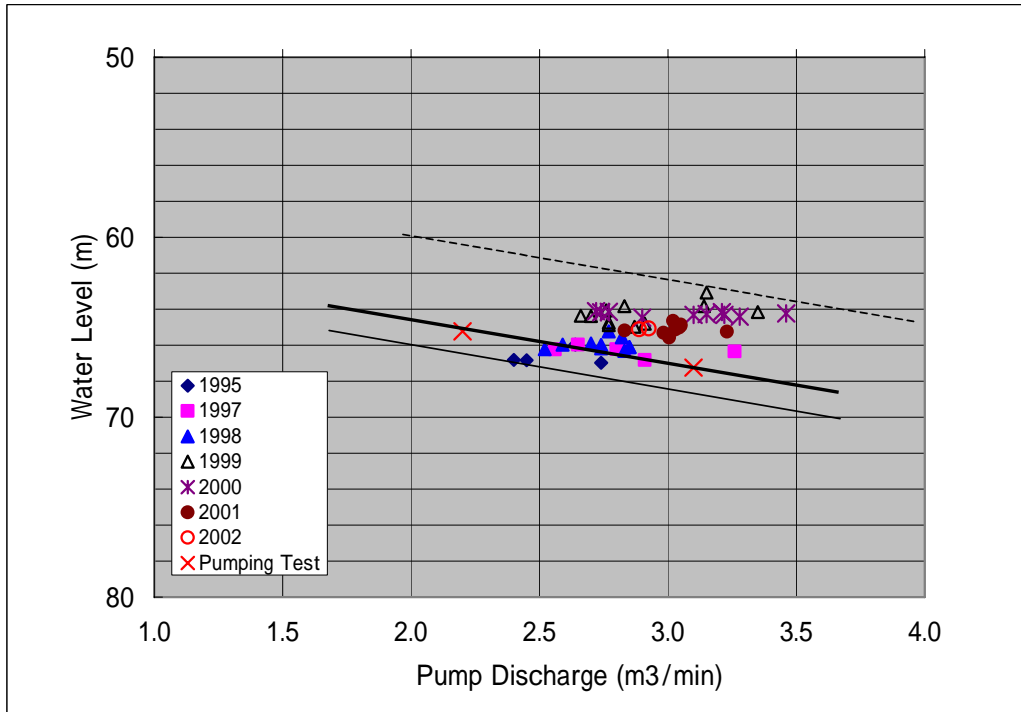
14 DE SEPTIEMBRE - 48



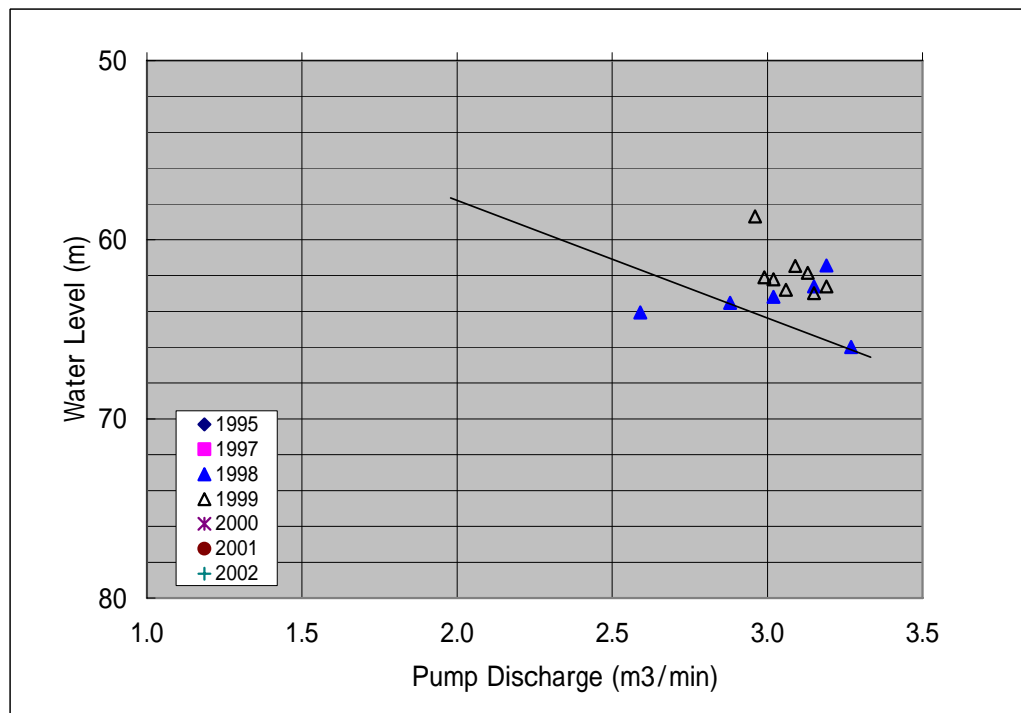
LA MASCOTA - 52



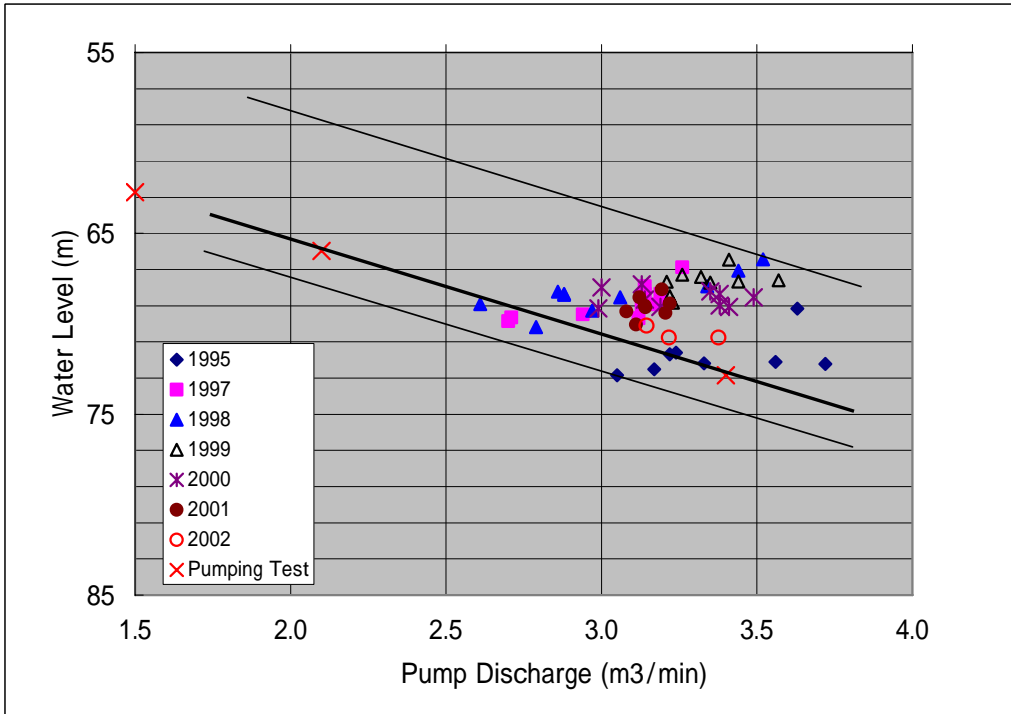
PARQUE LAS MADRES - 53



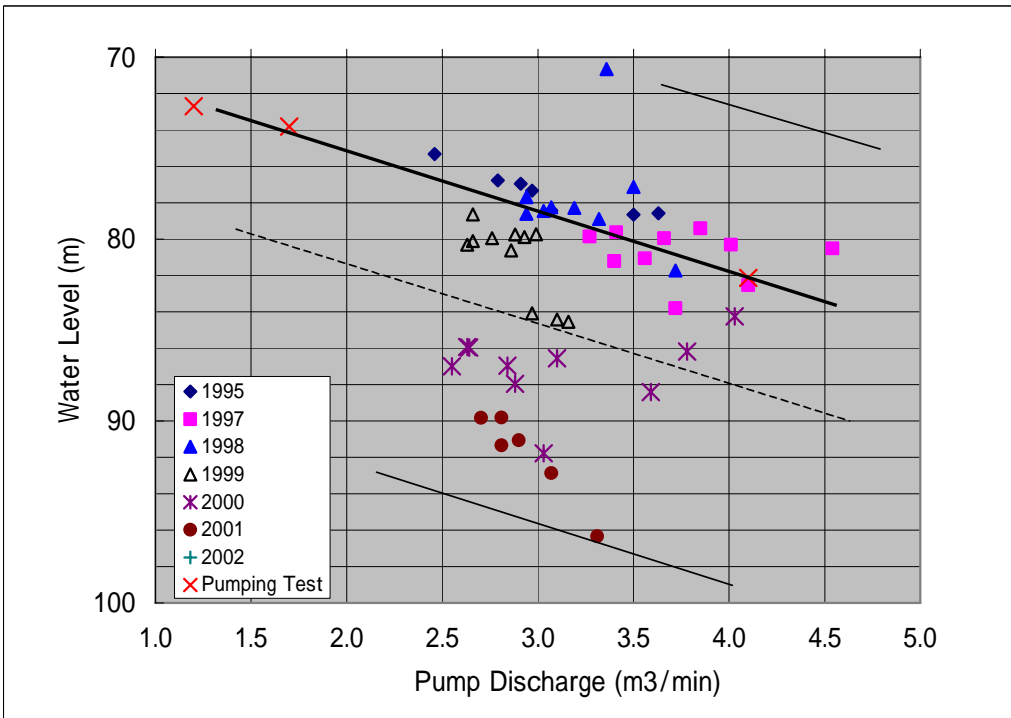
SHELL METROCENTRO - 55

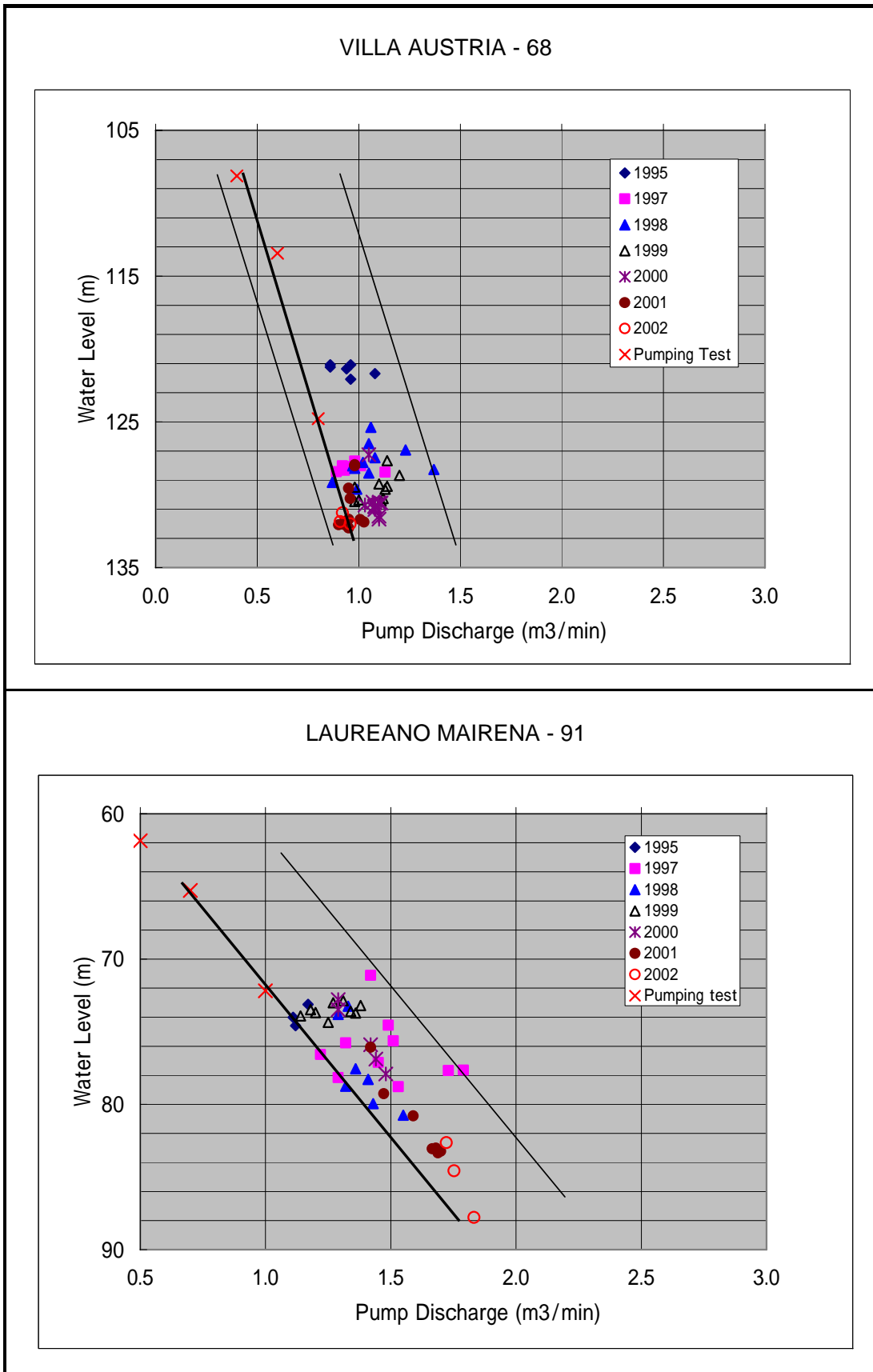


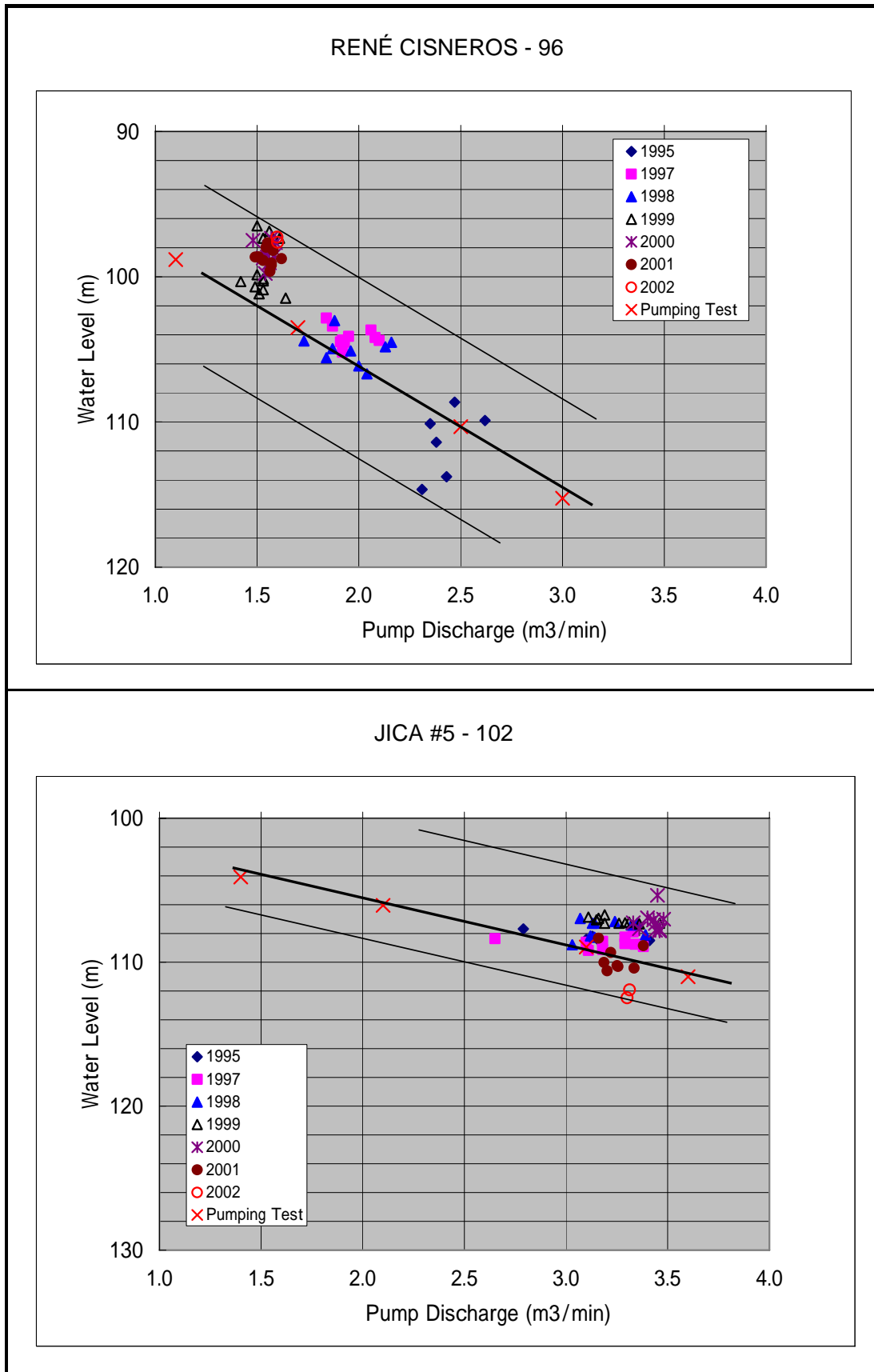
PLAZA EL SOL - 57

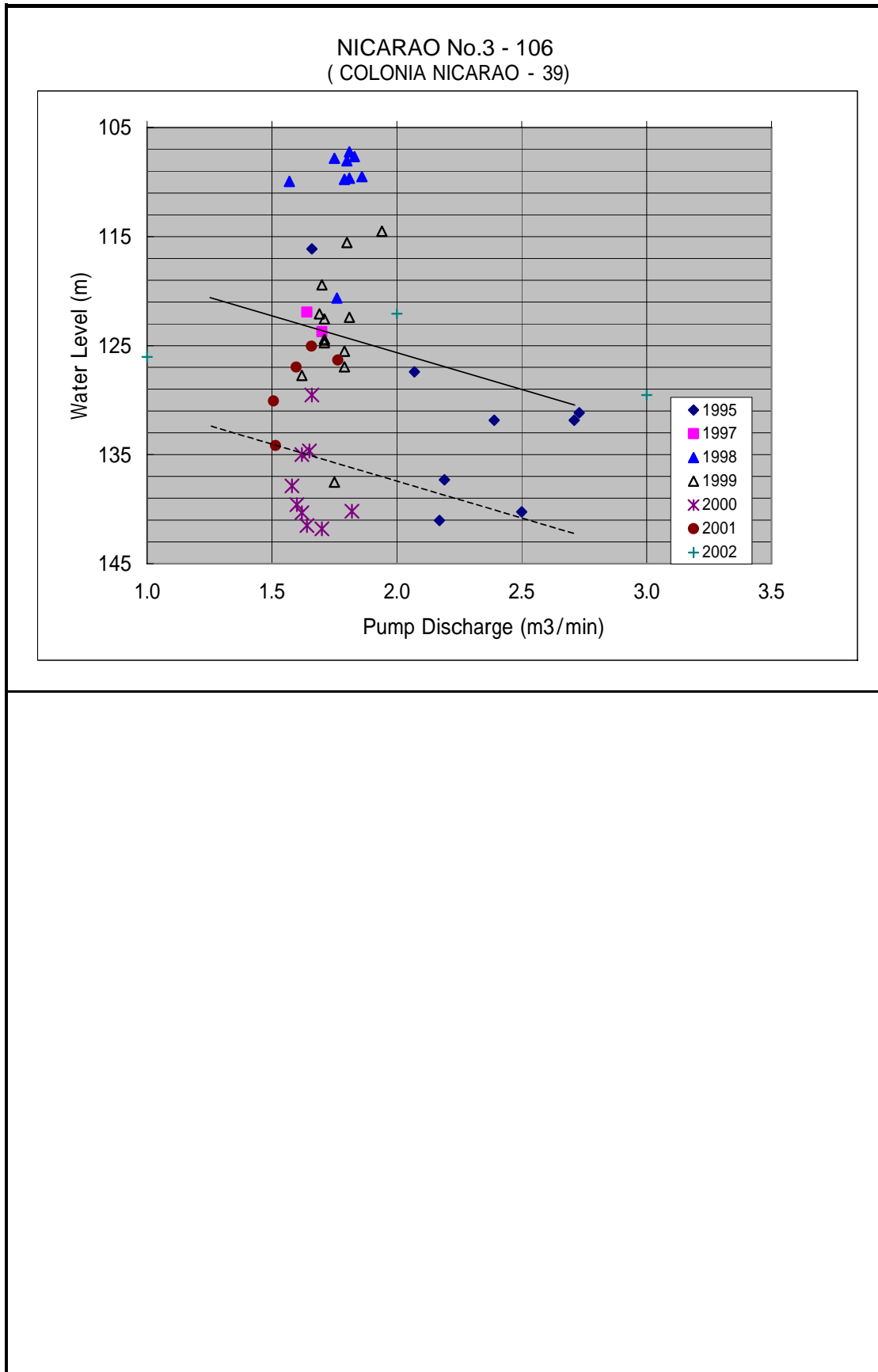


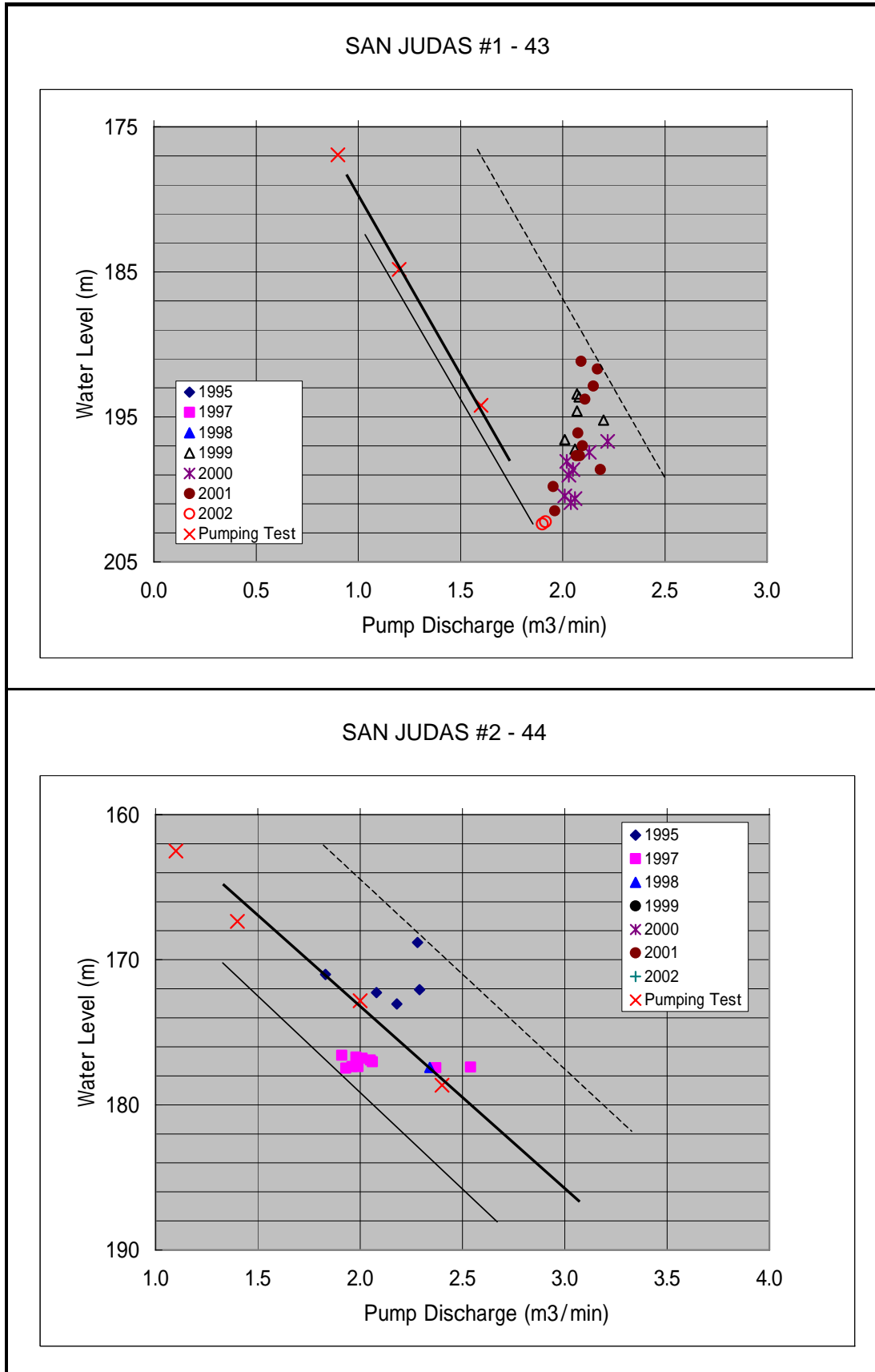
INE CENTRAL - 89

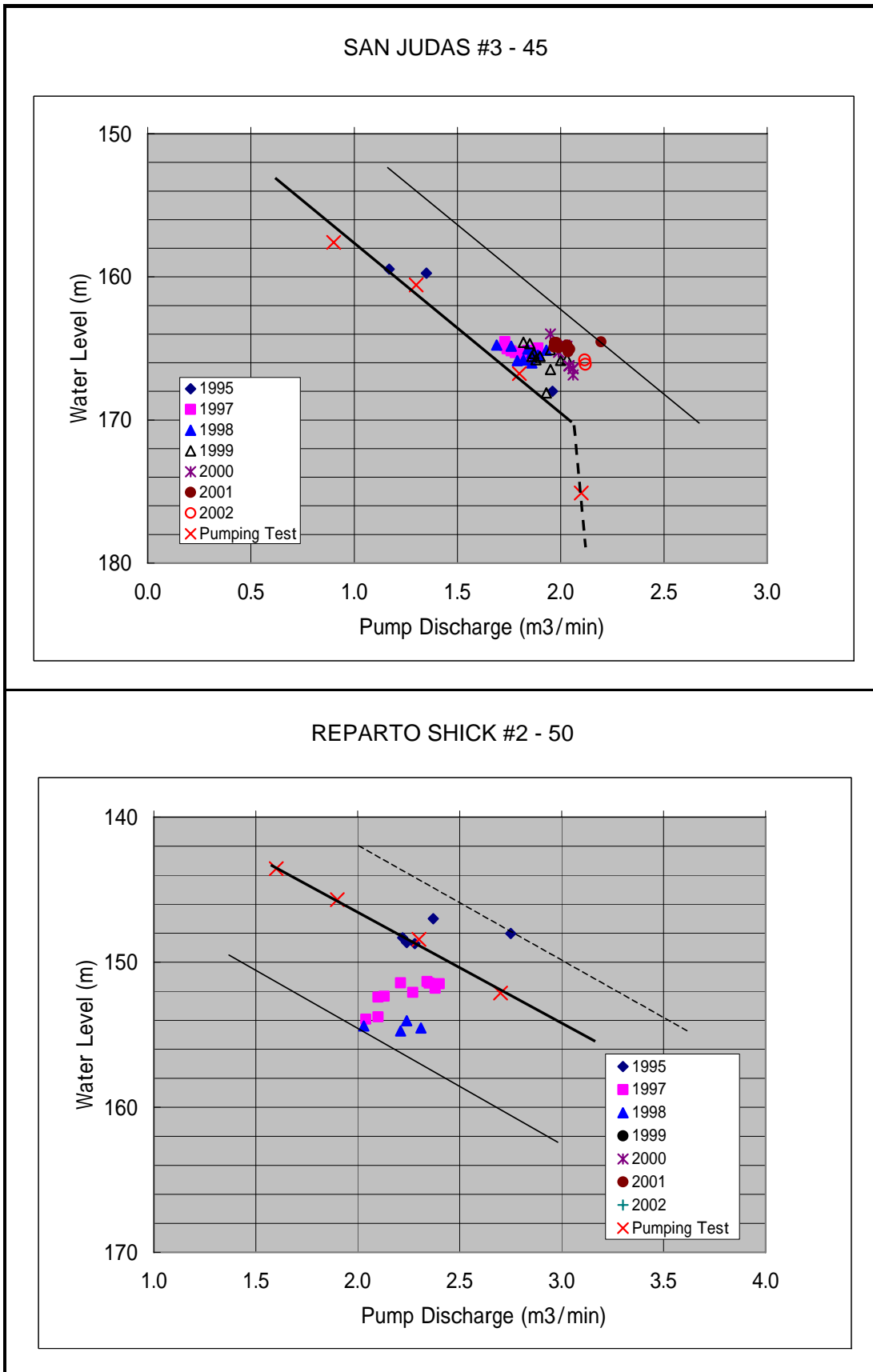


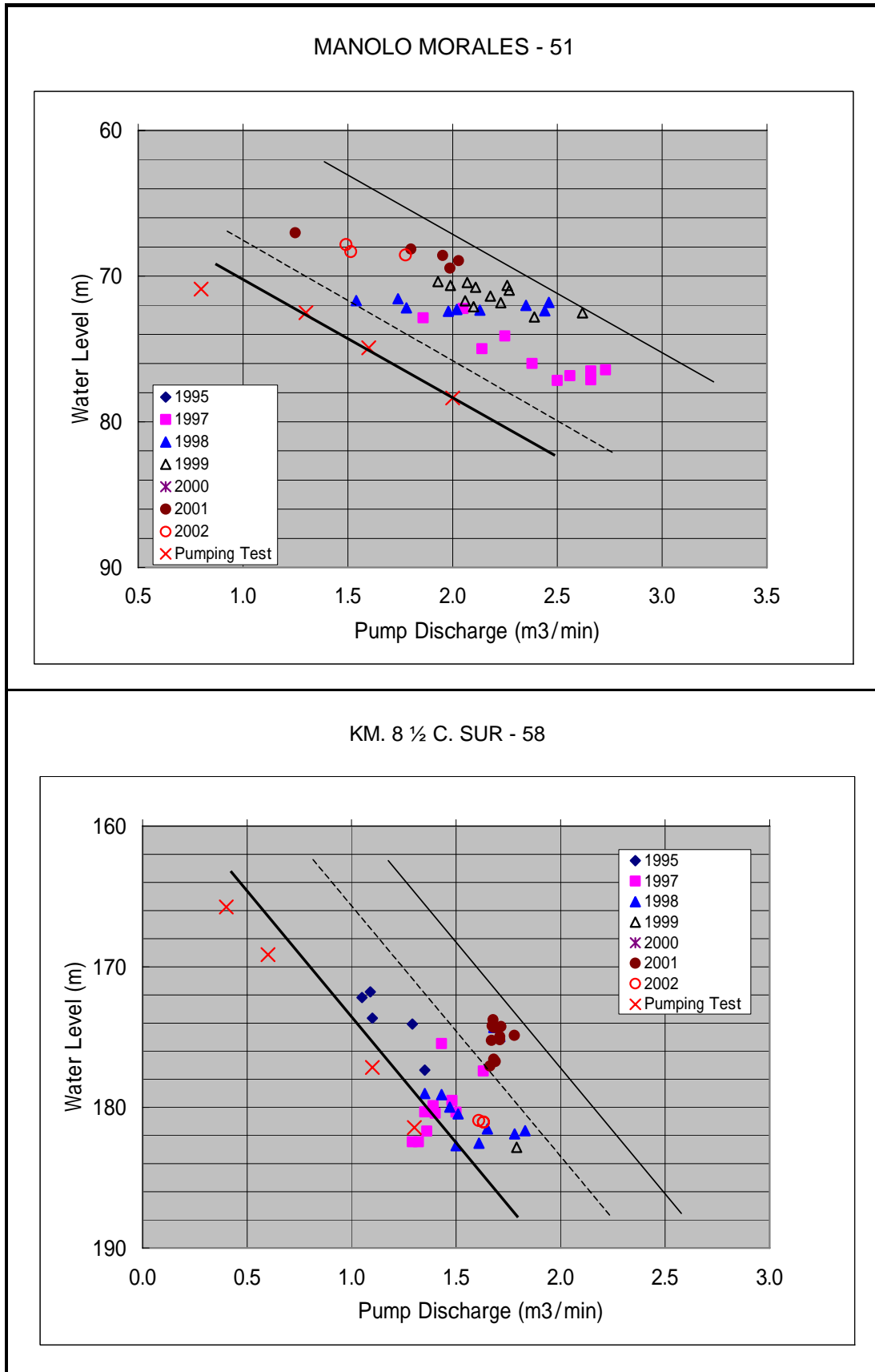


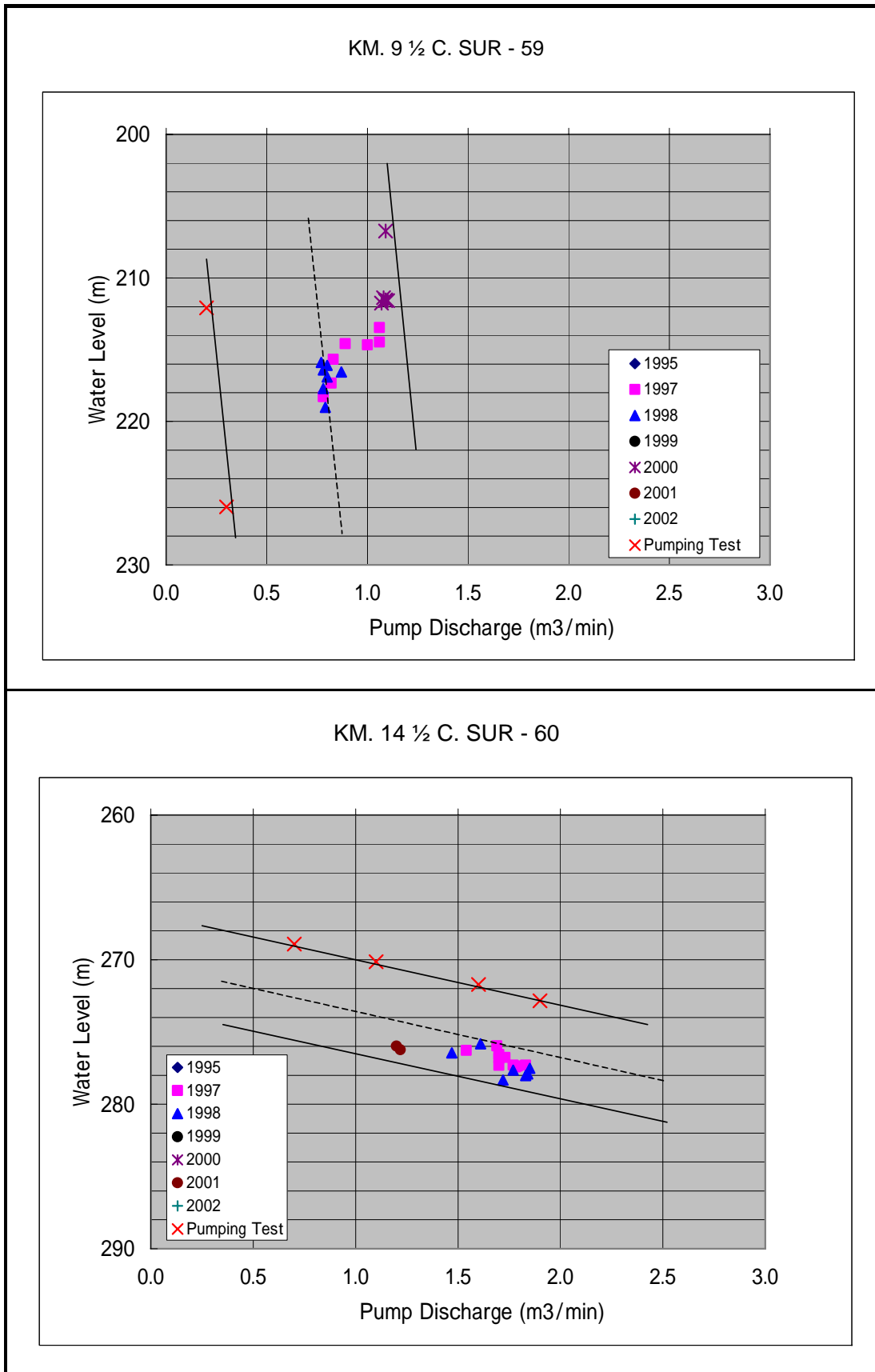


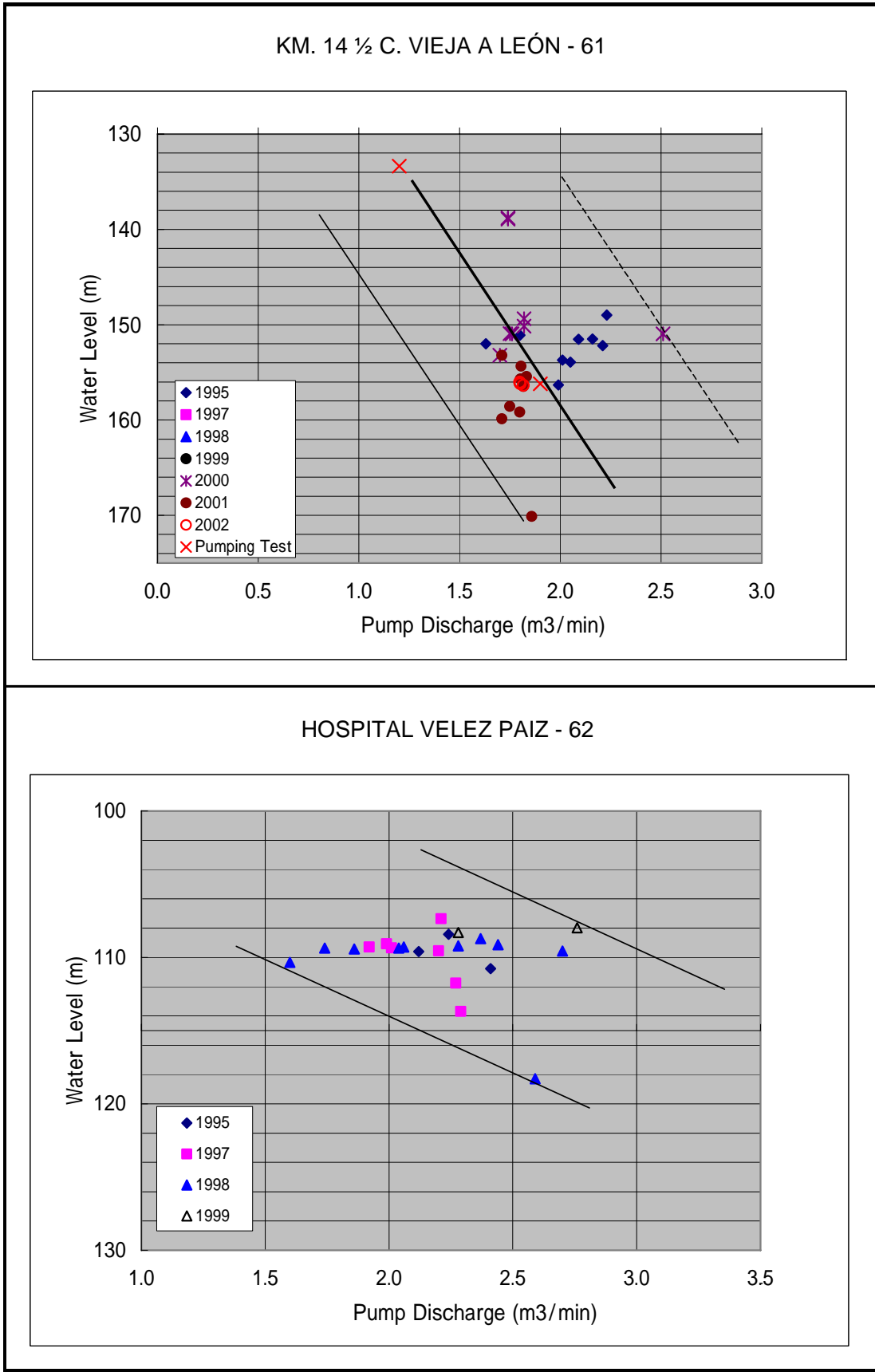


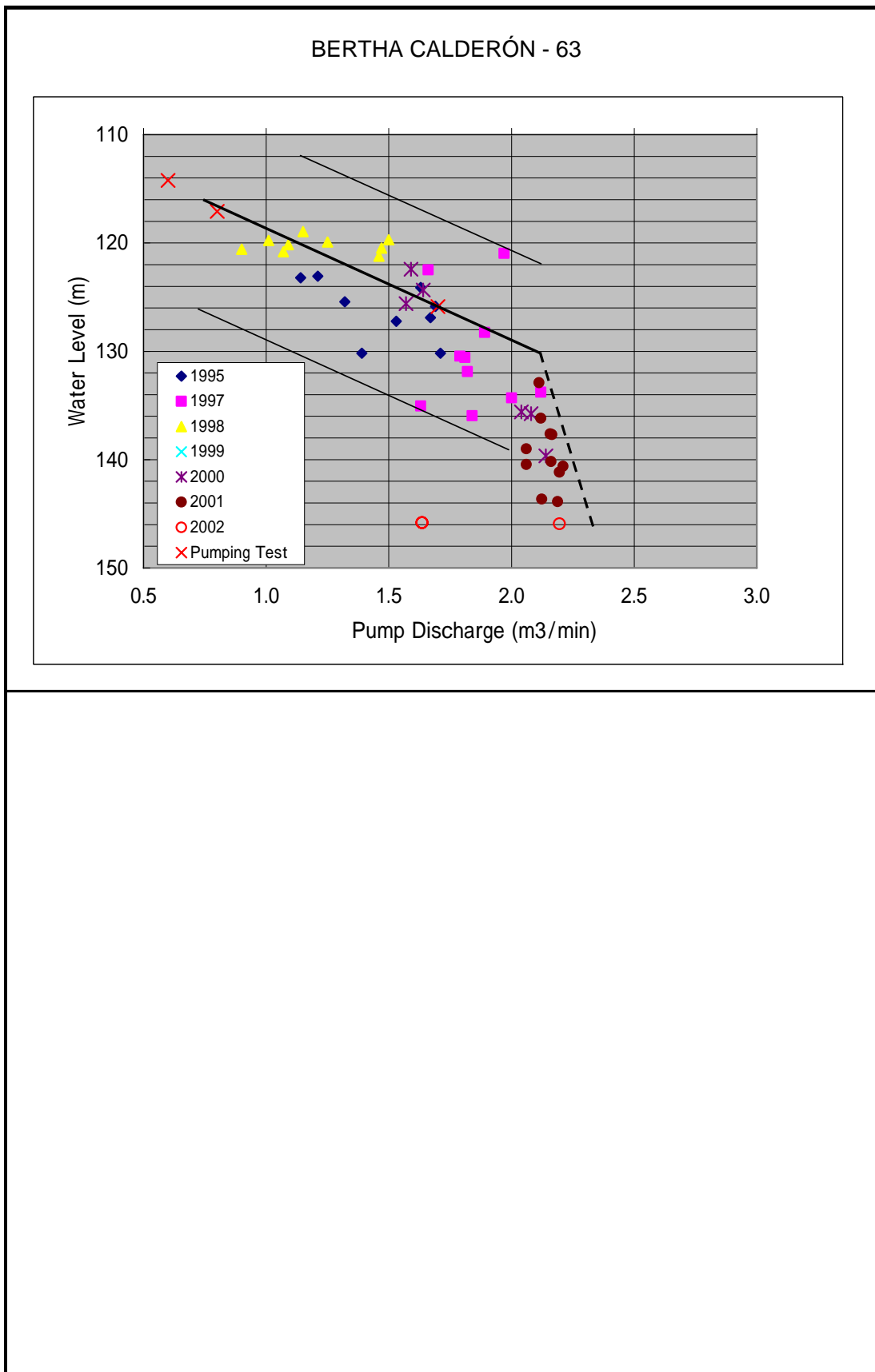


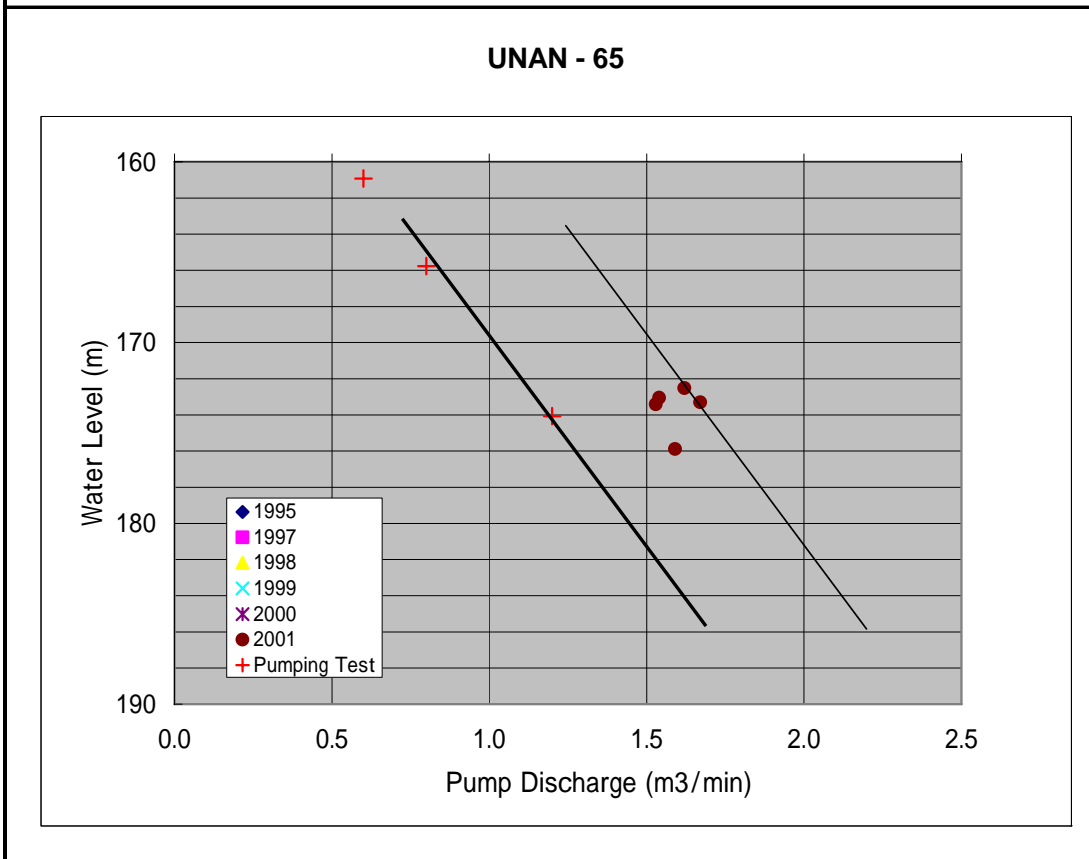
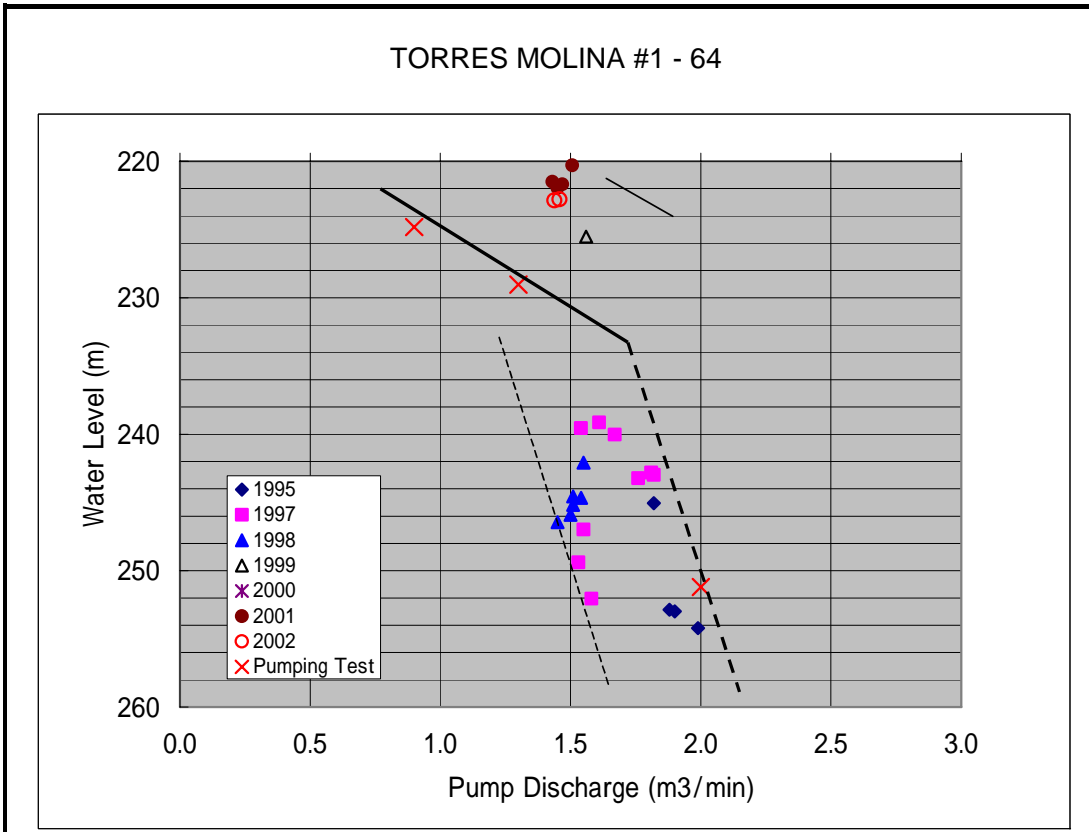


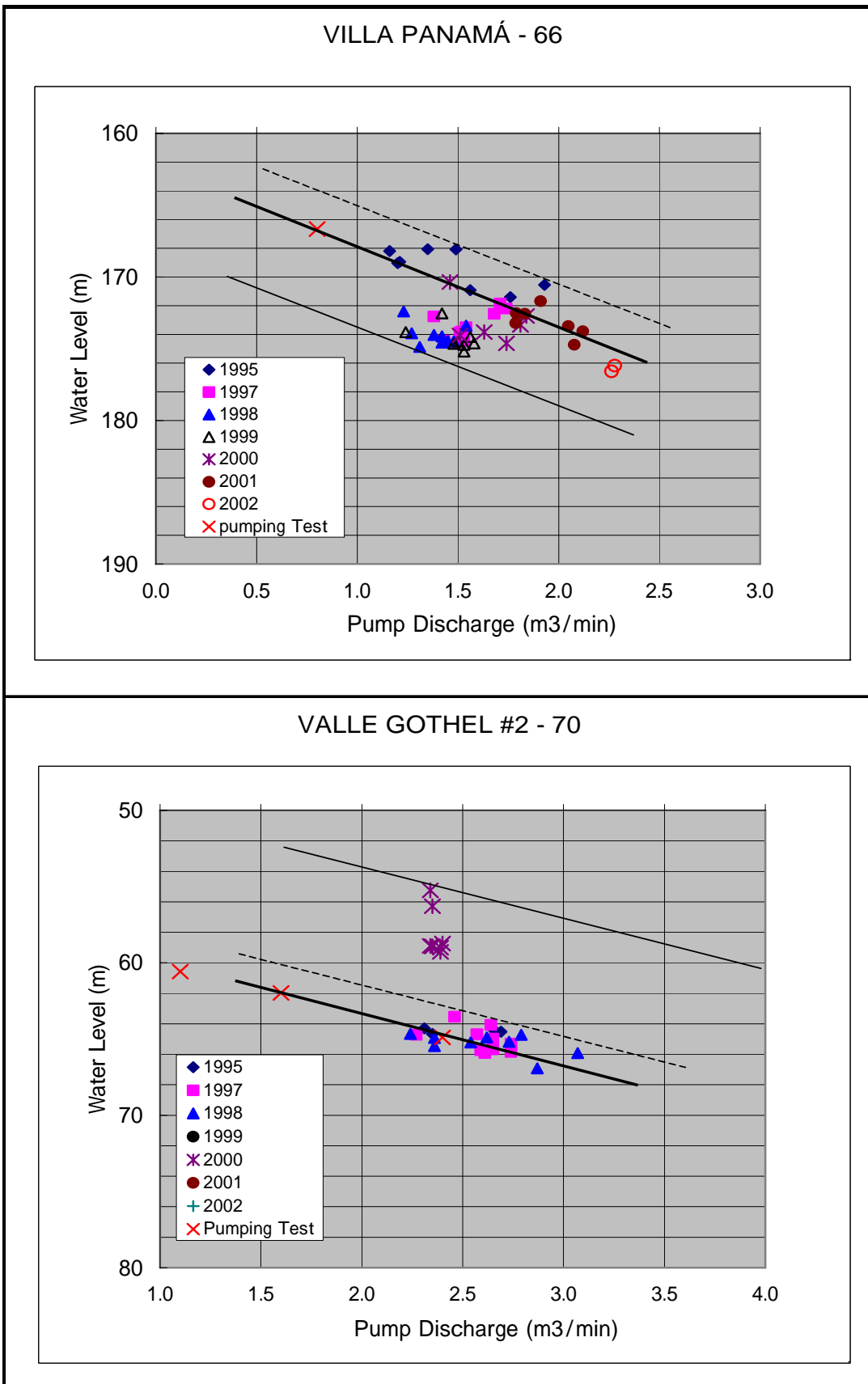


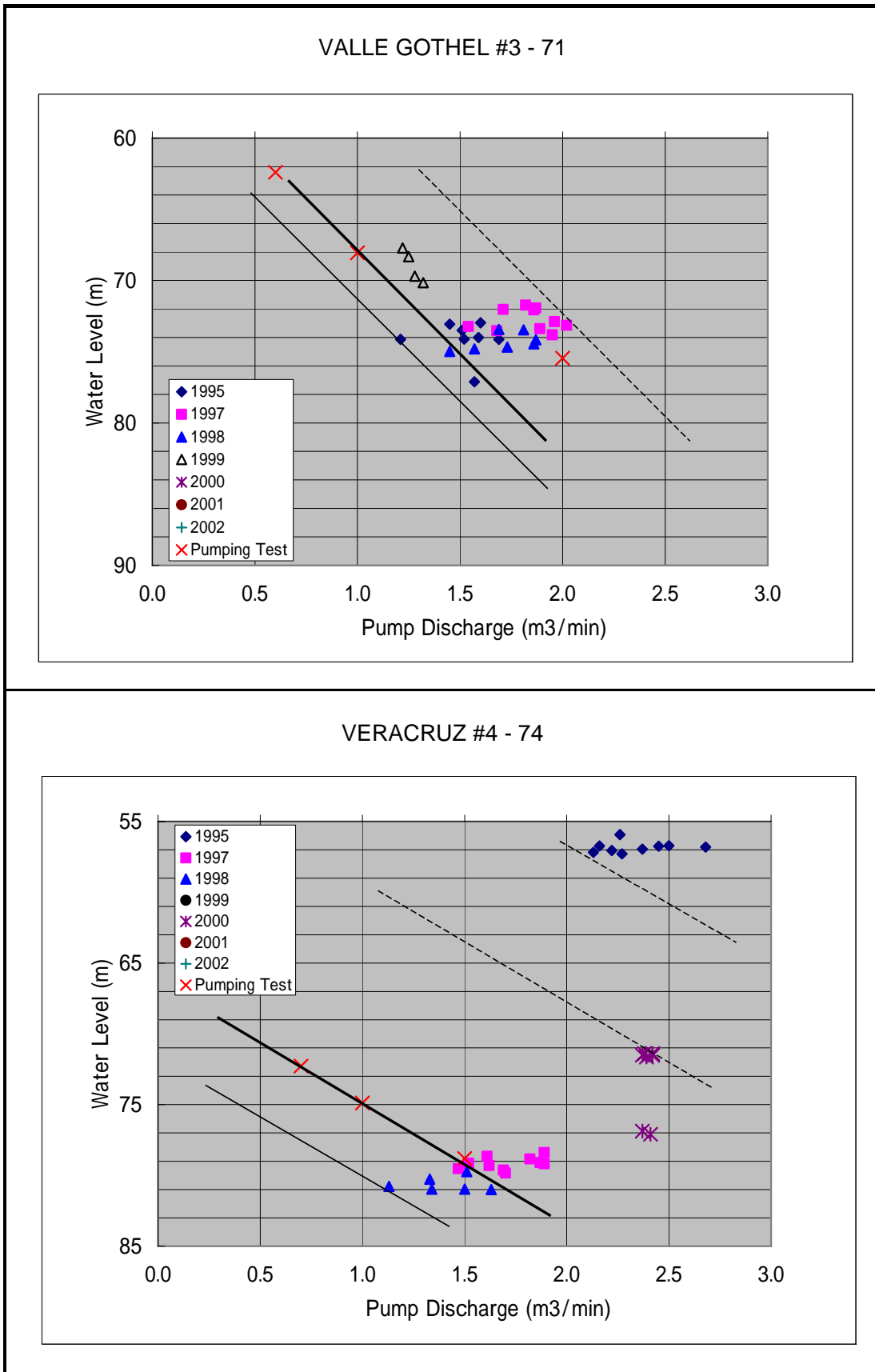


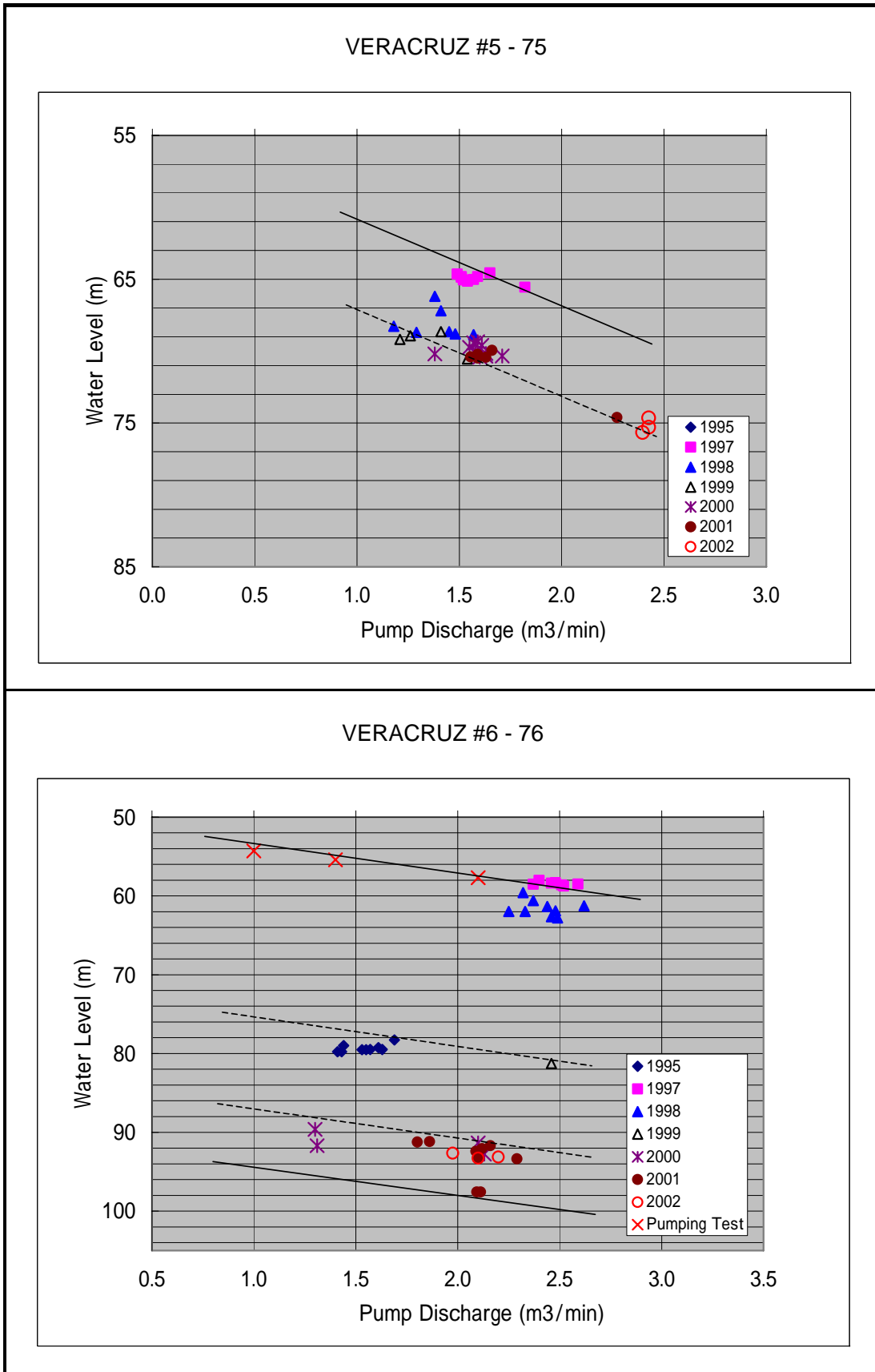


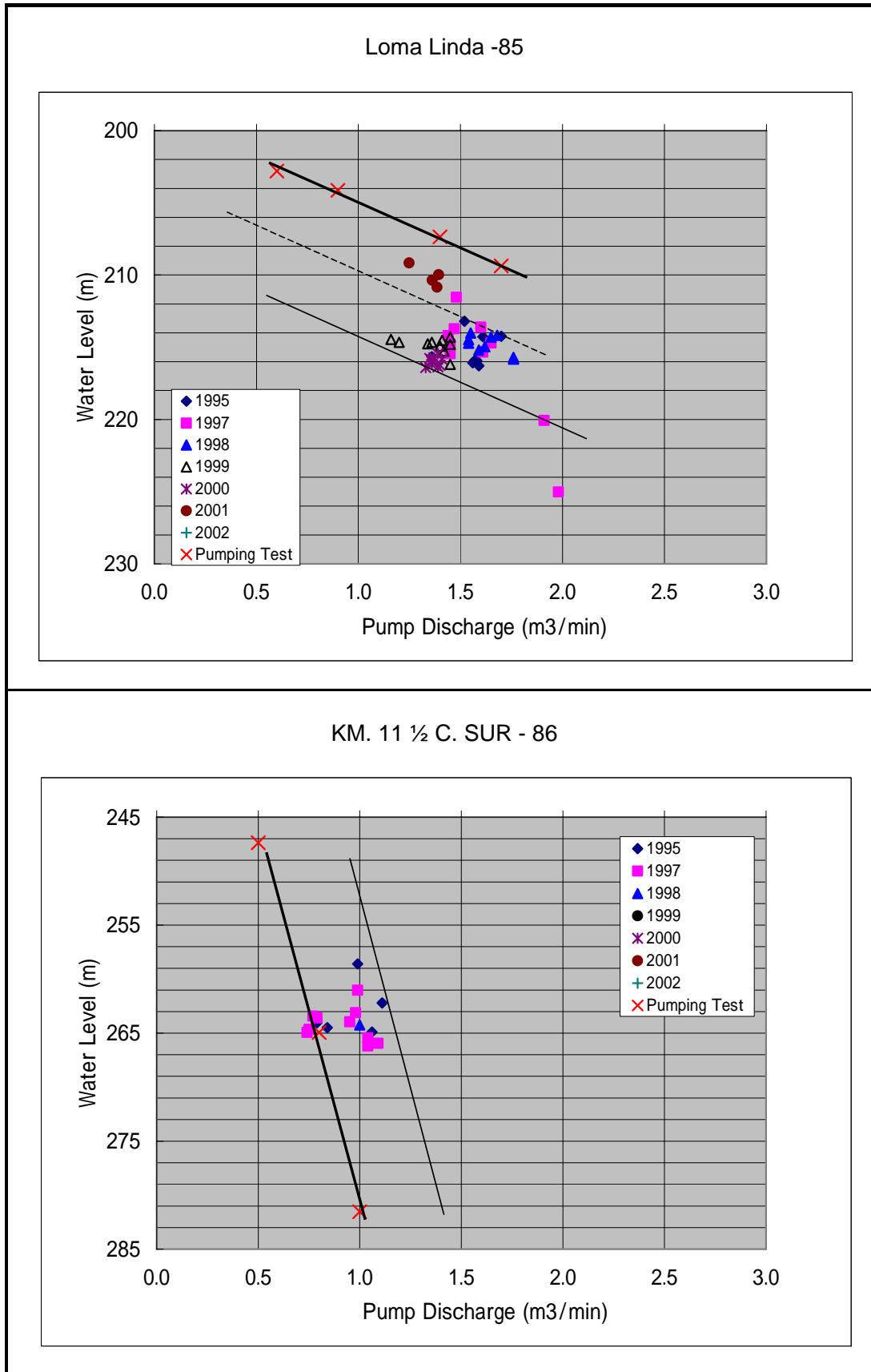


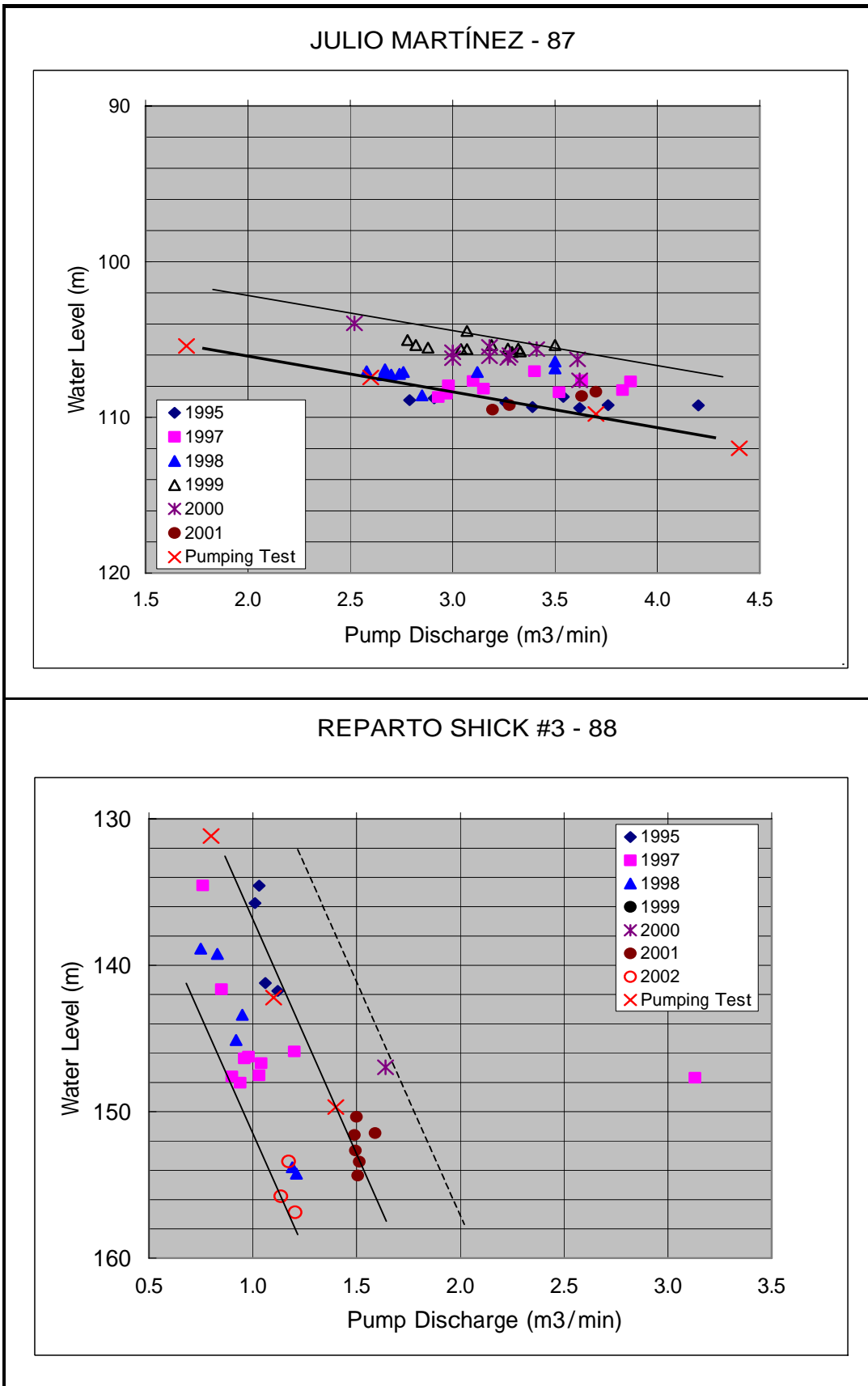


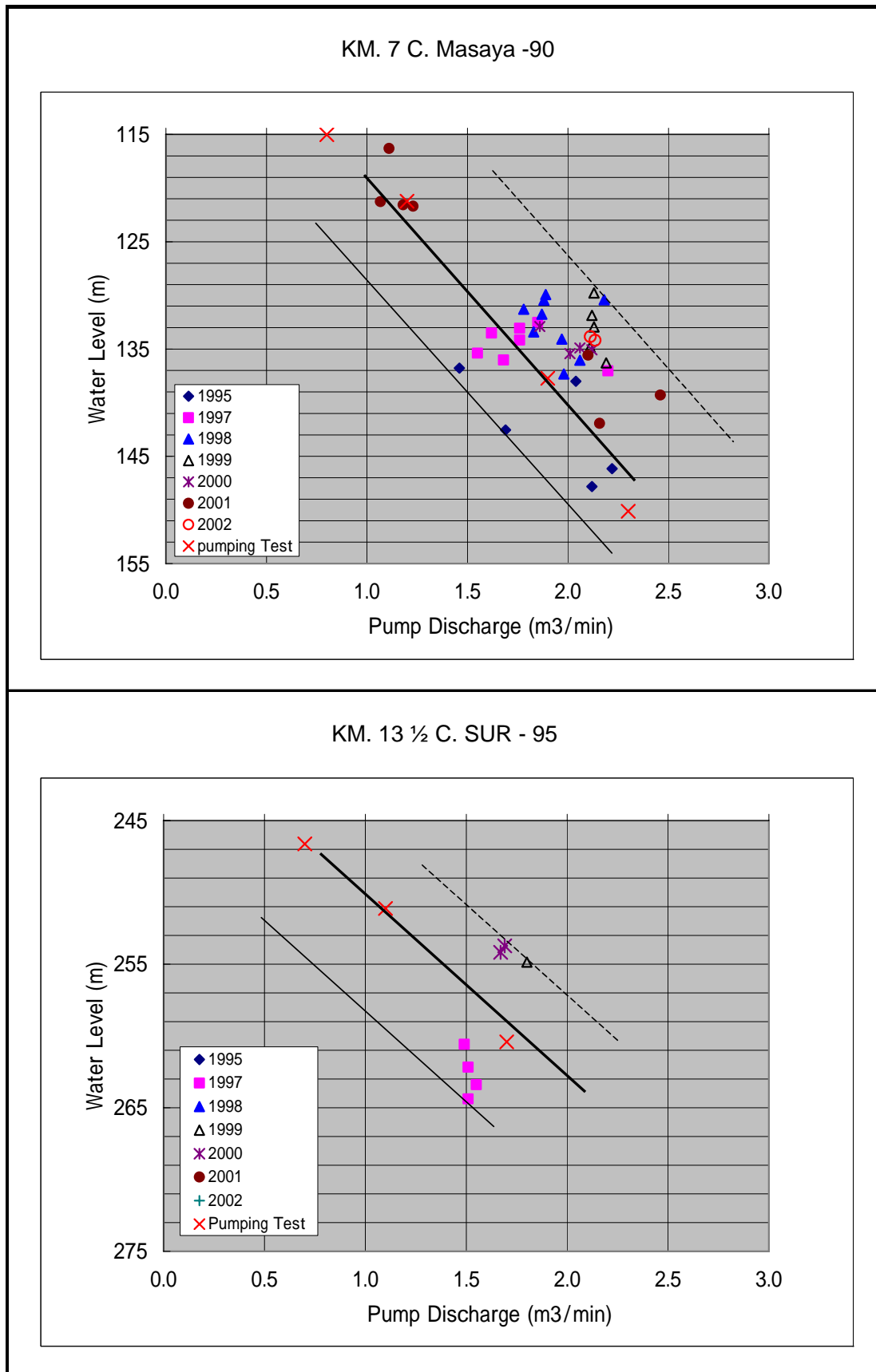


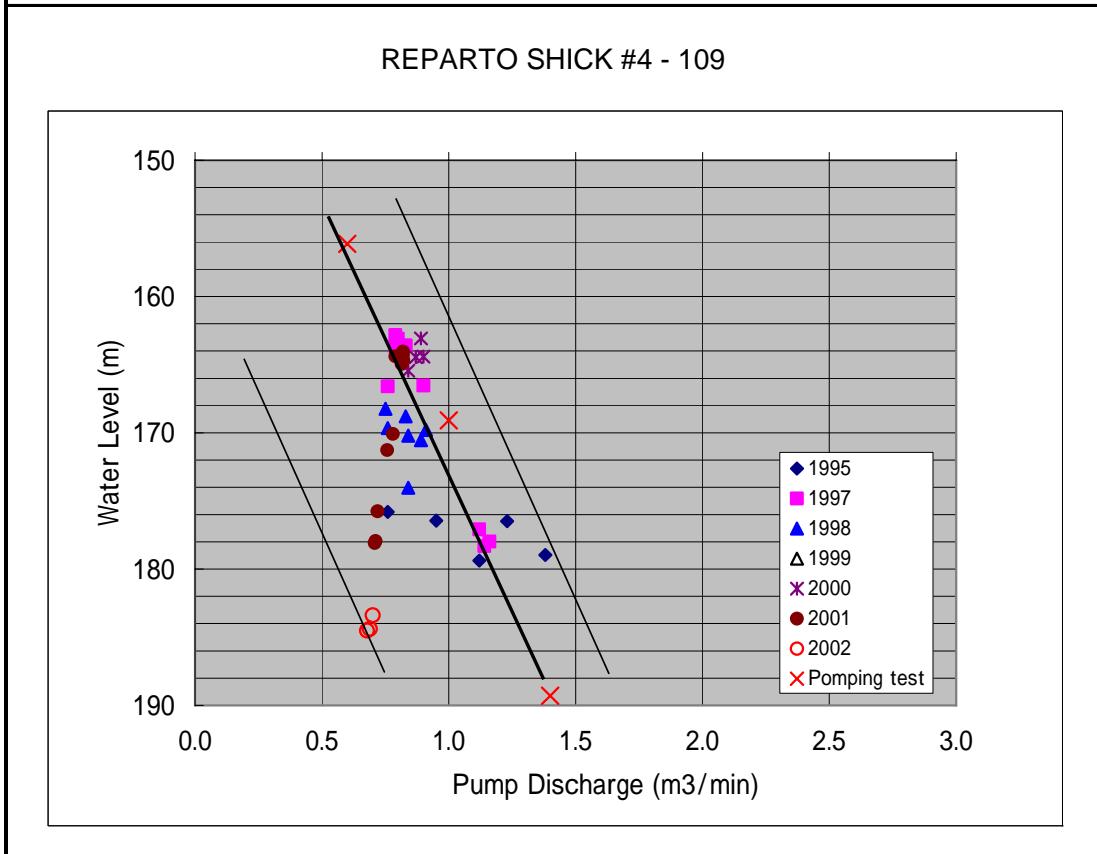
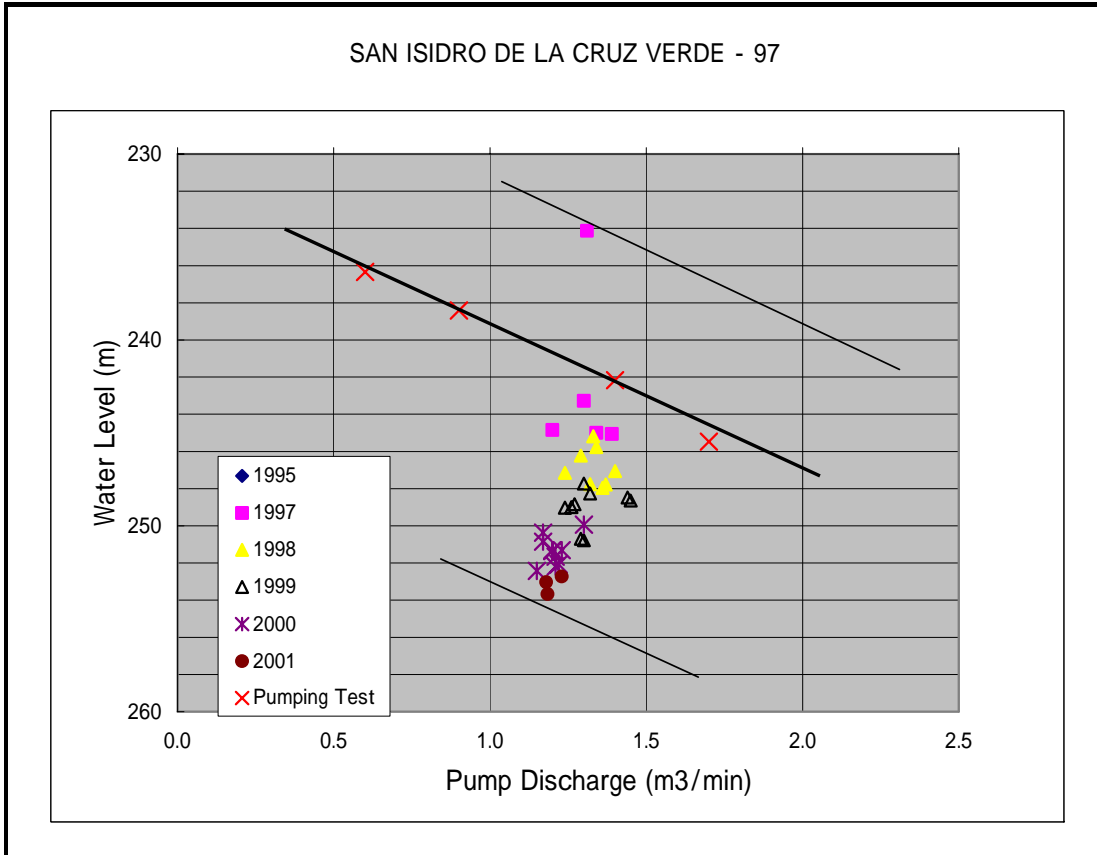


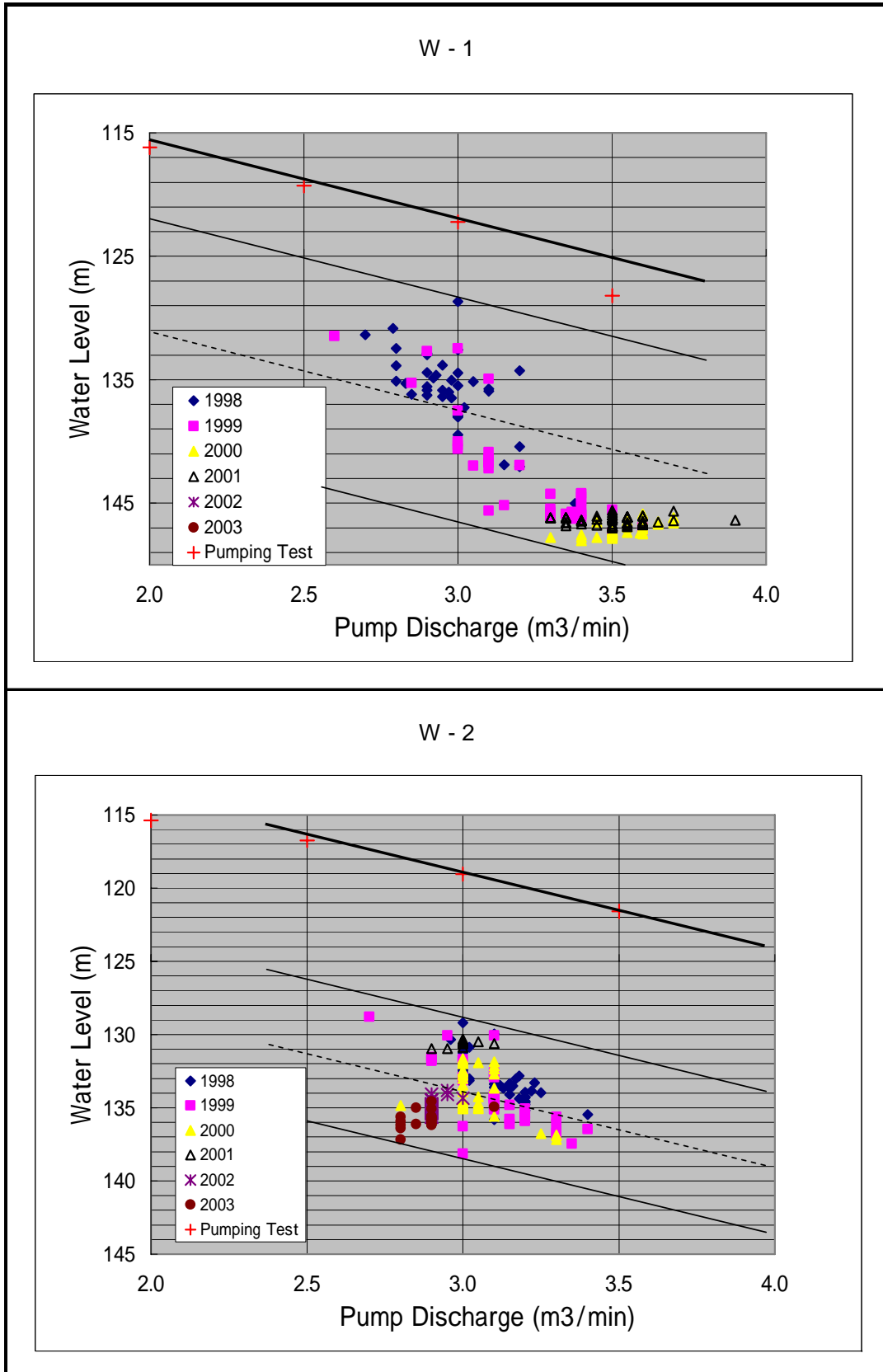


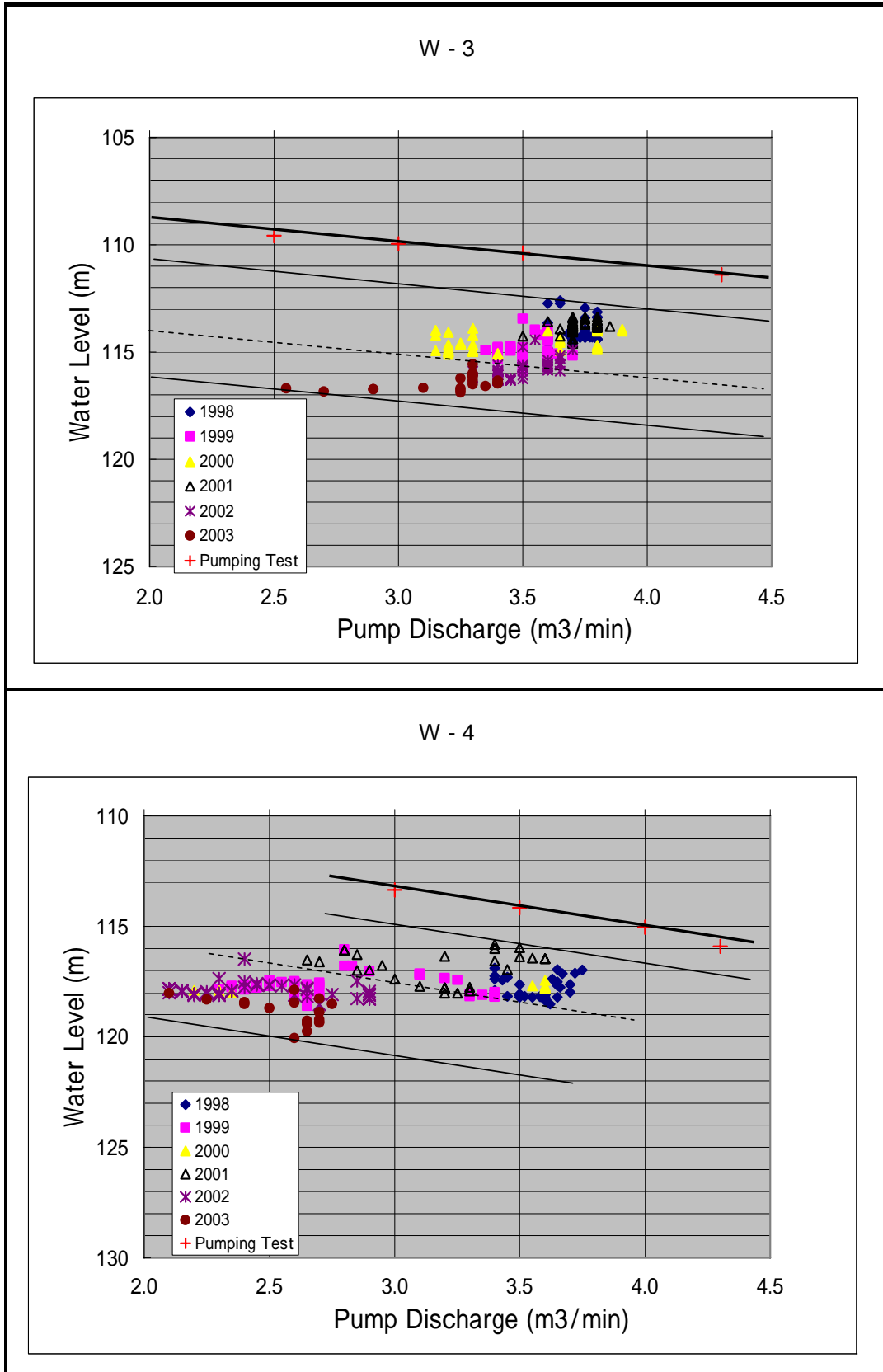


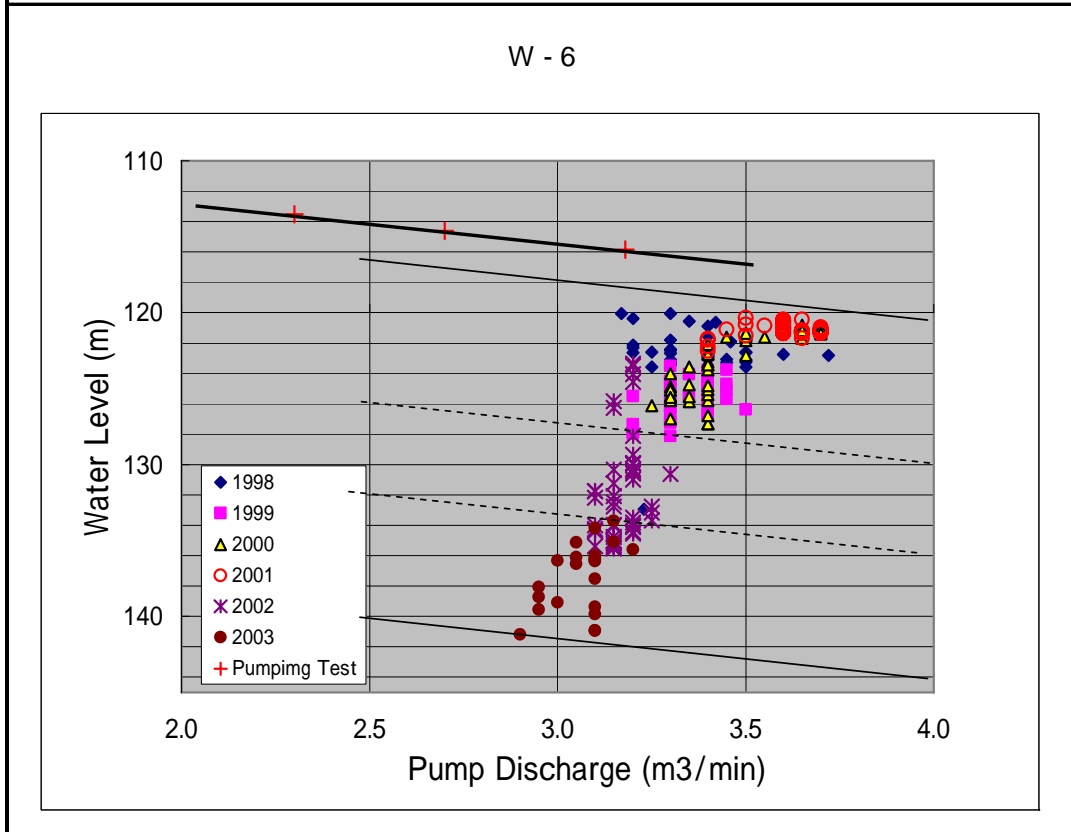
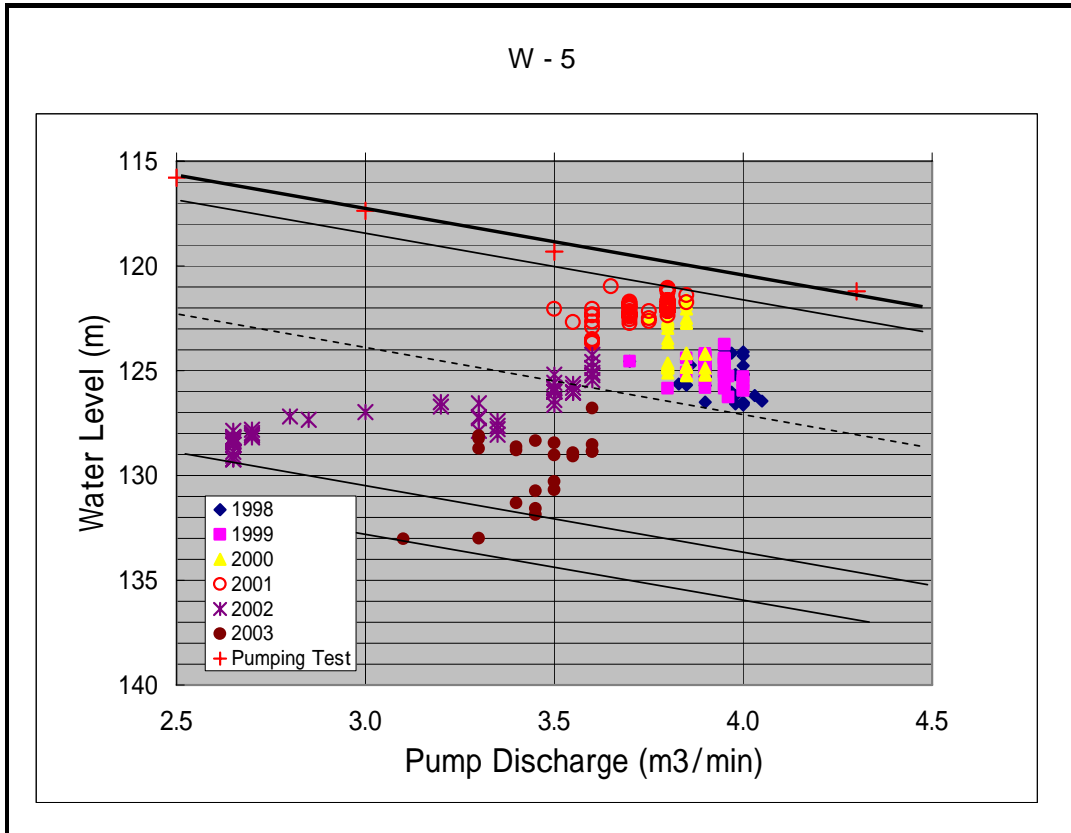


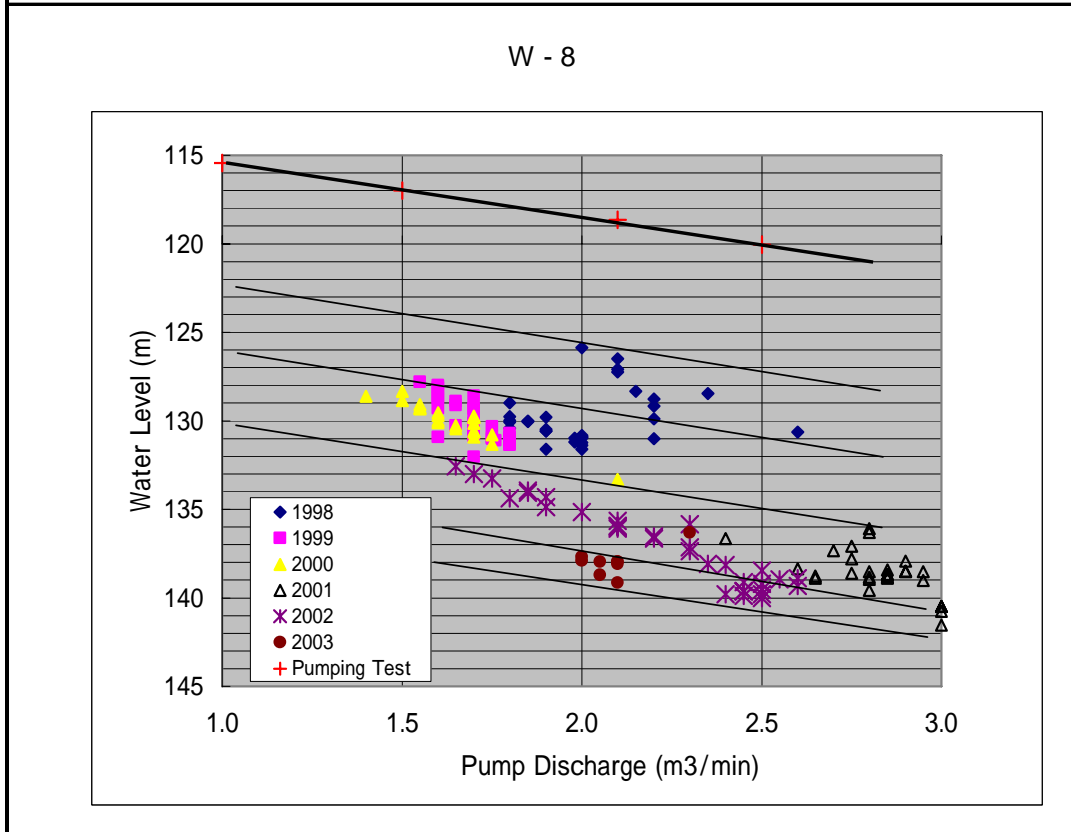
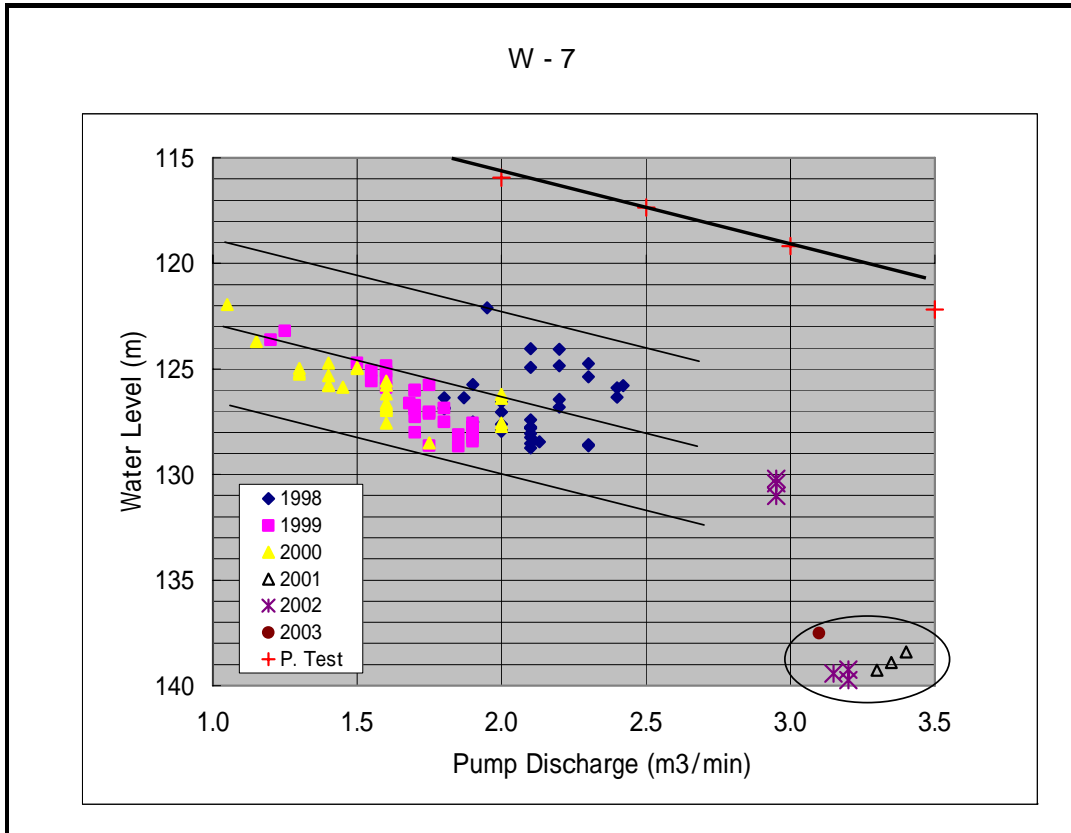


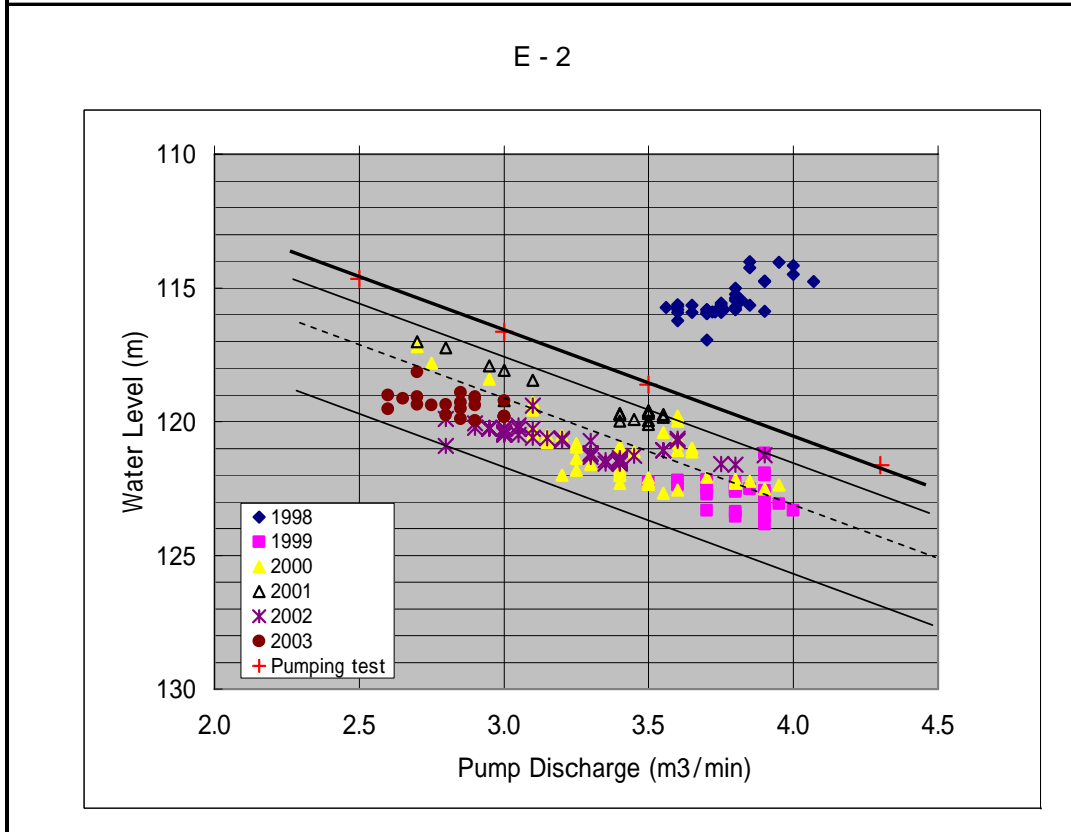
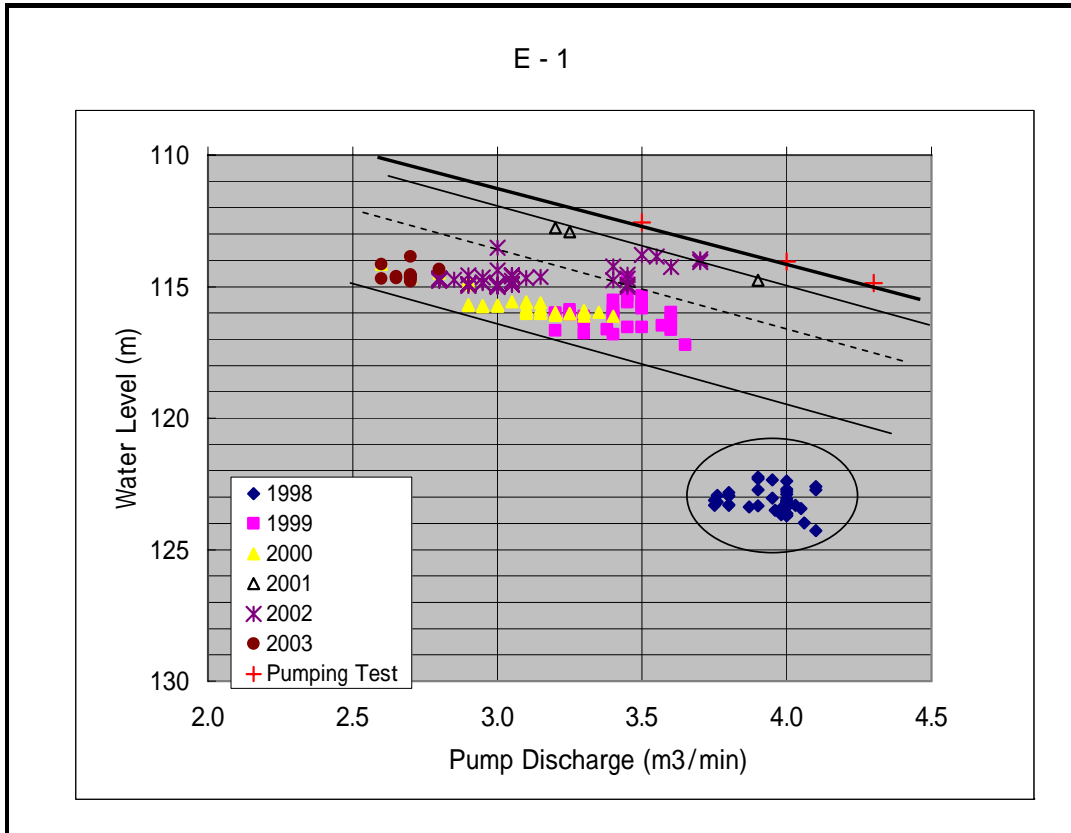


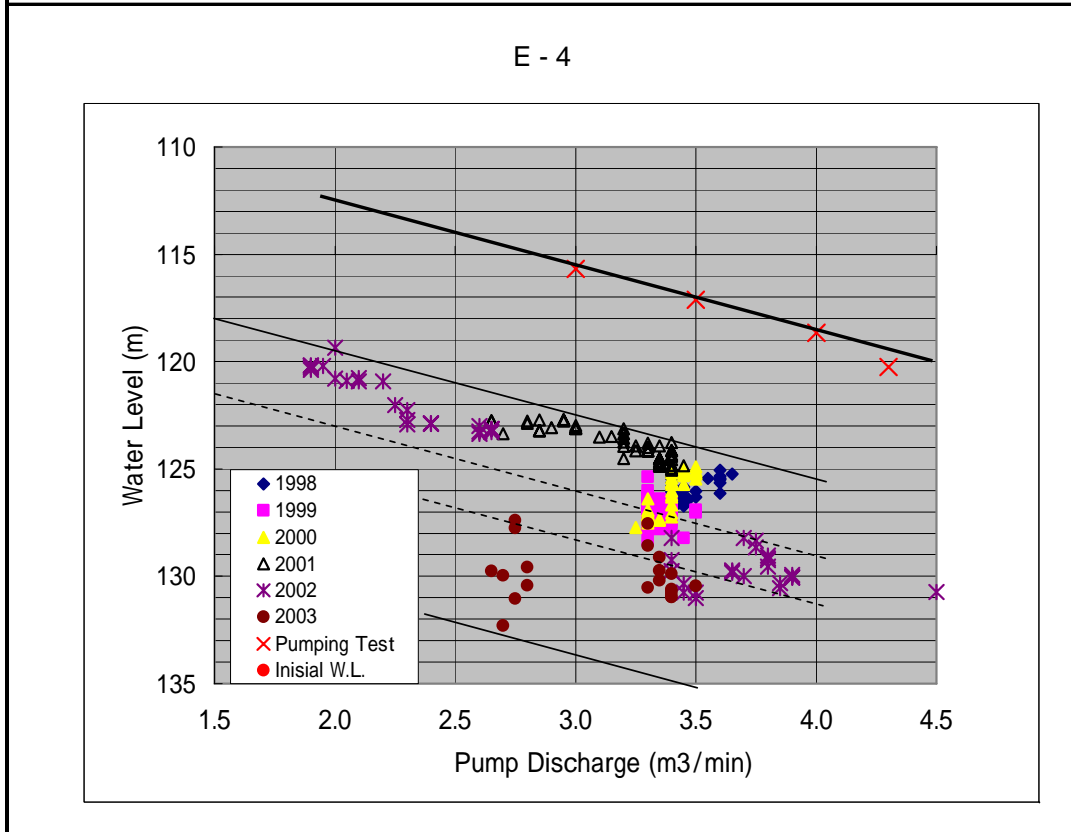
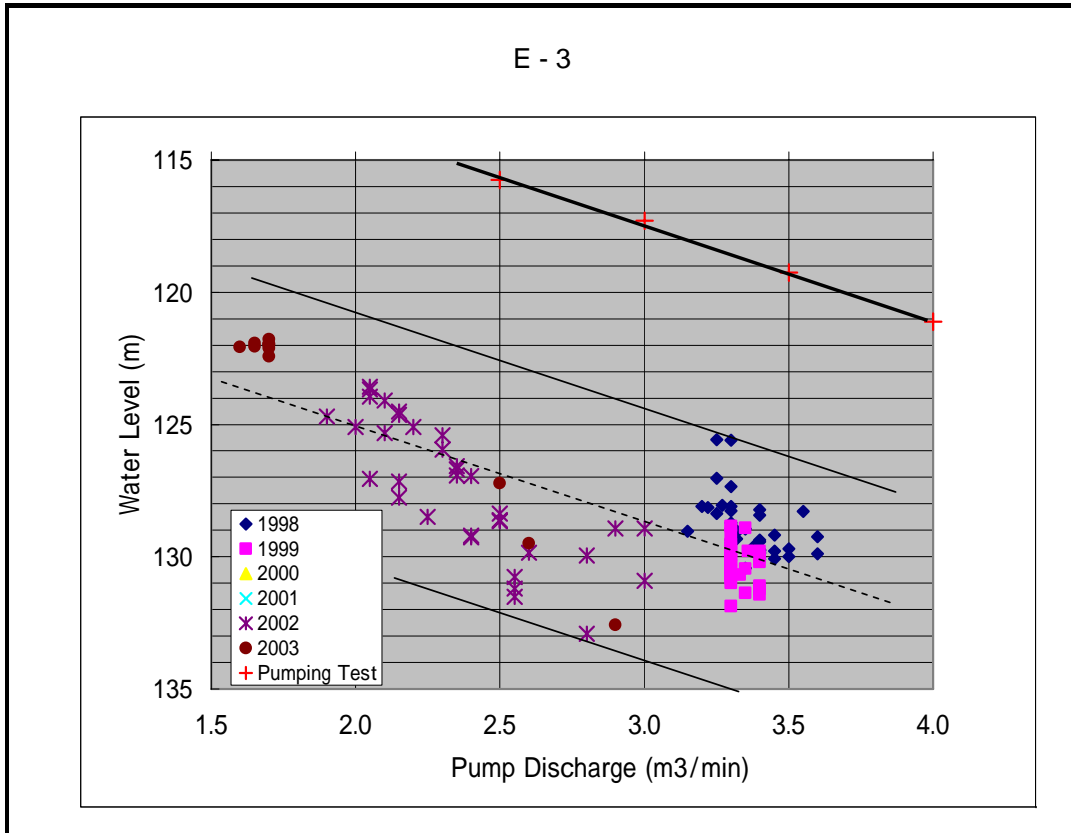


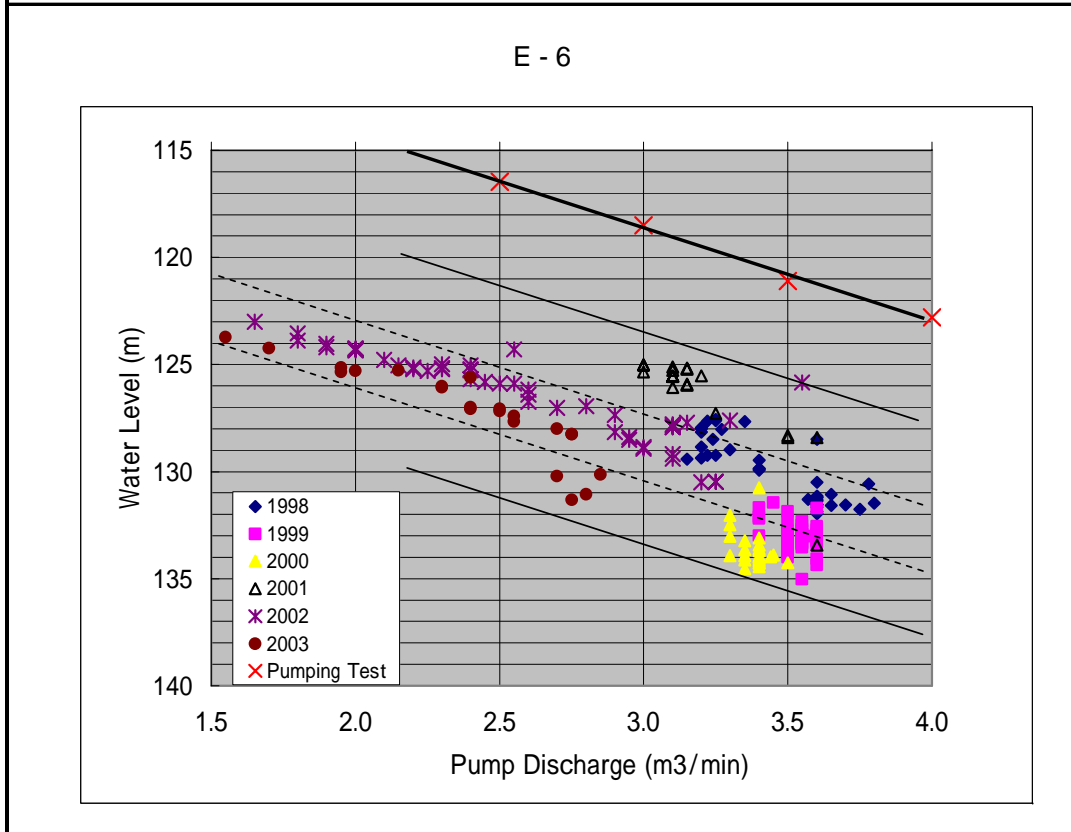
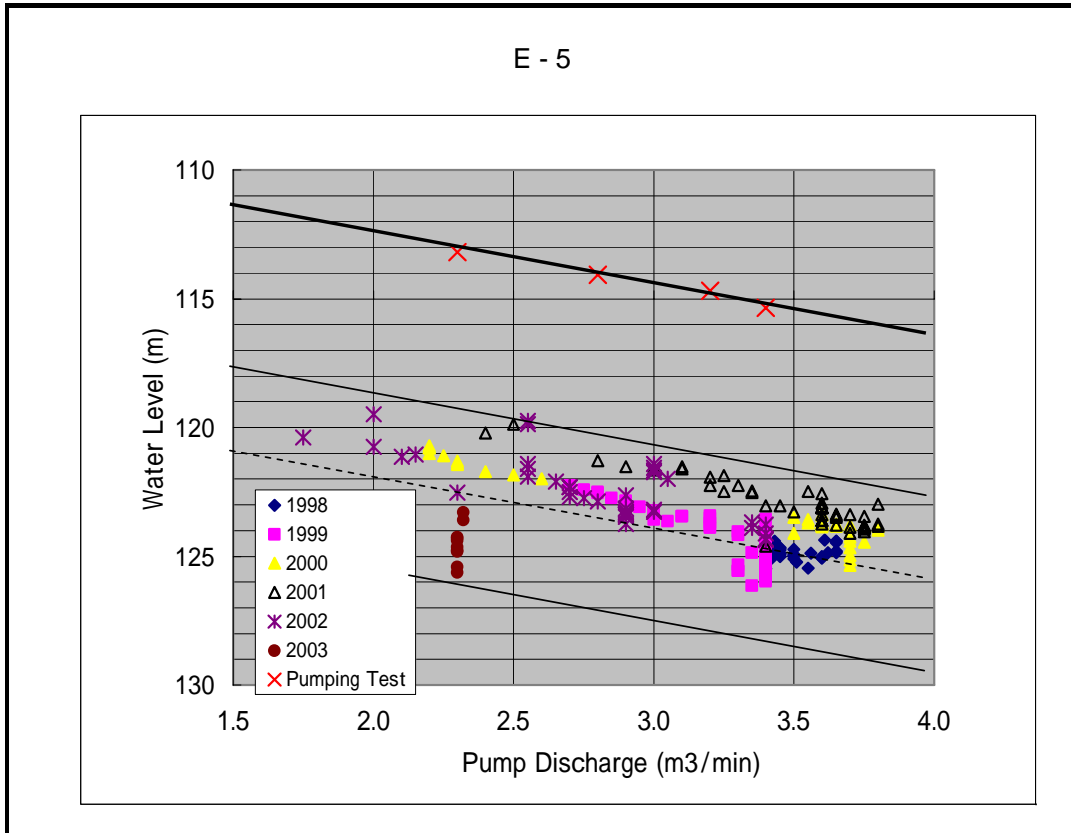


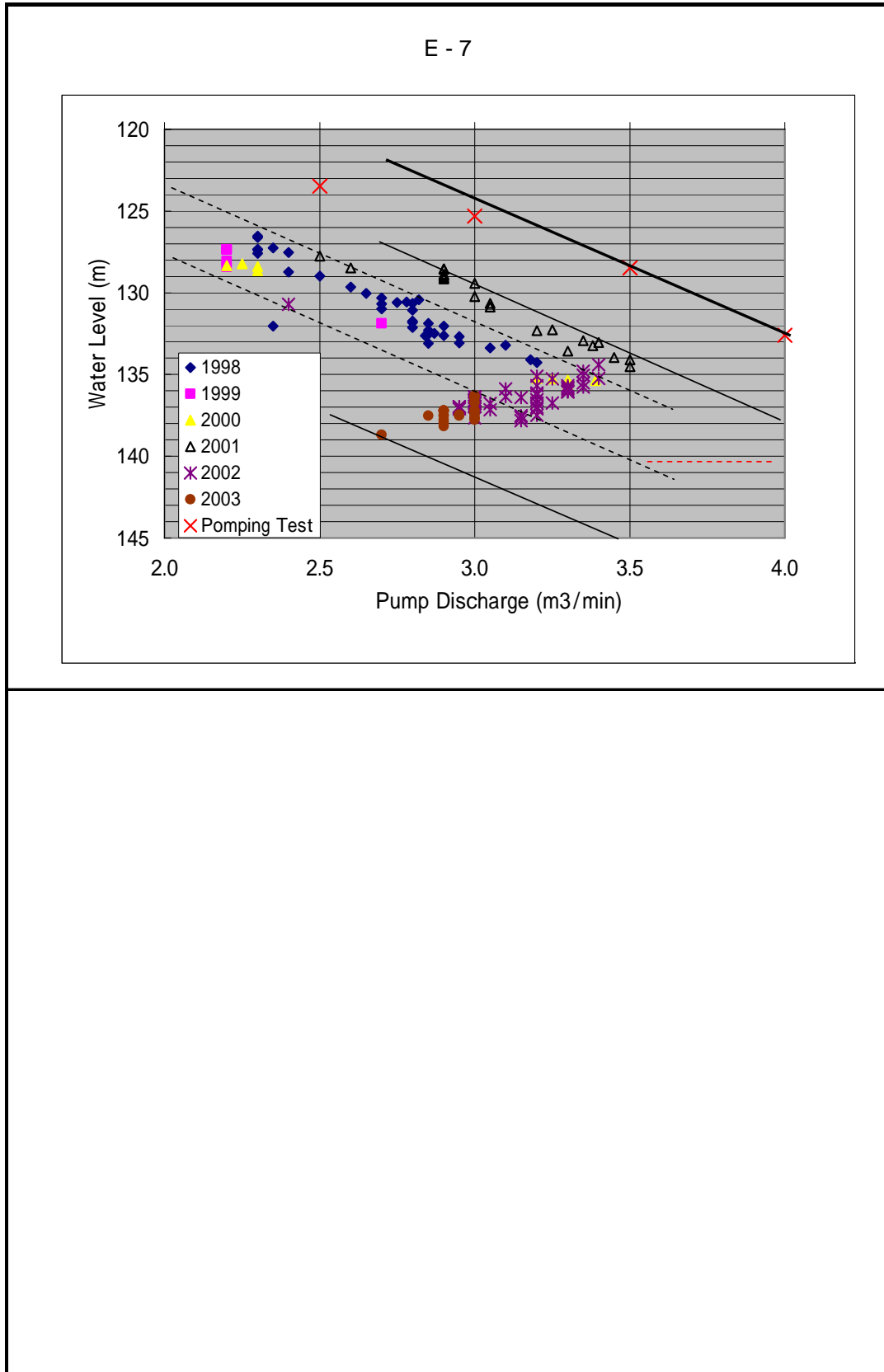


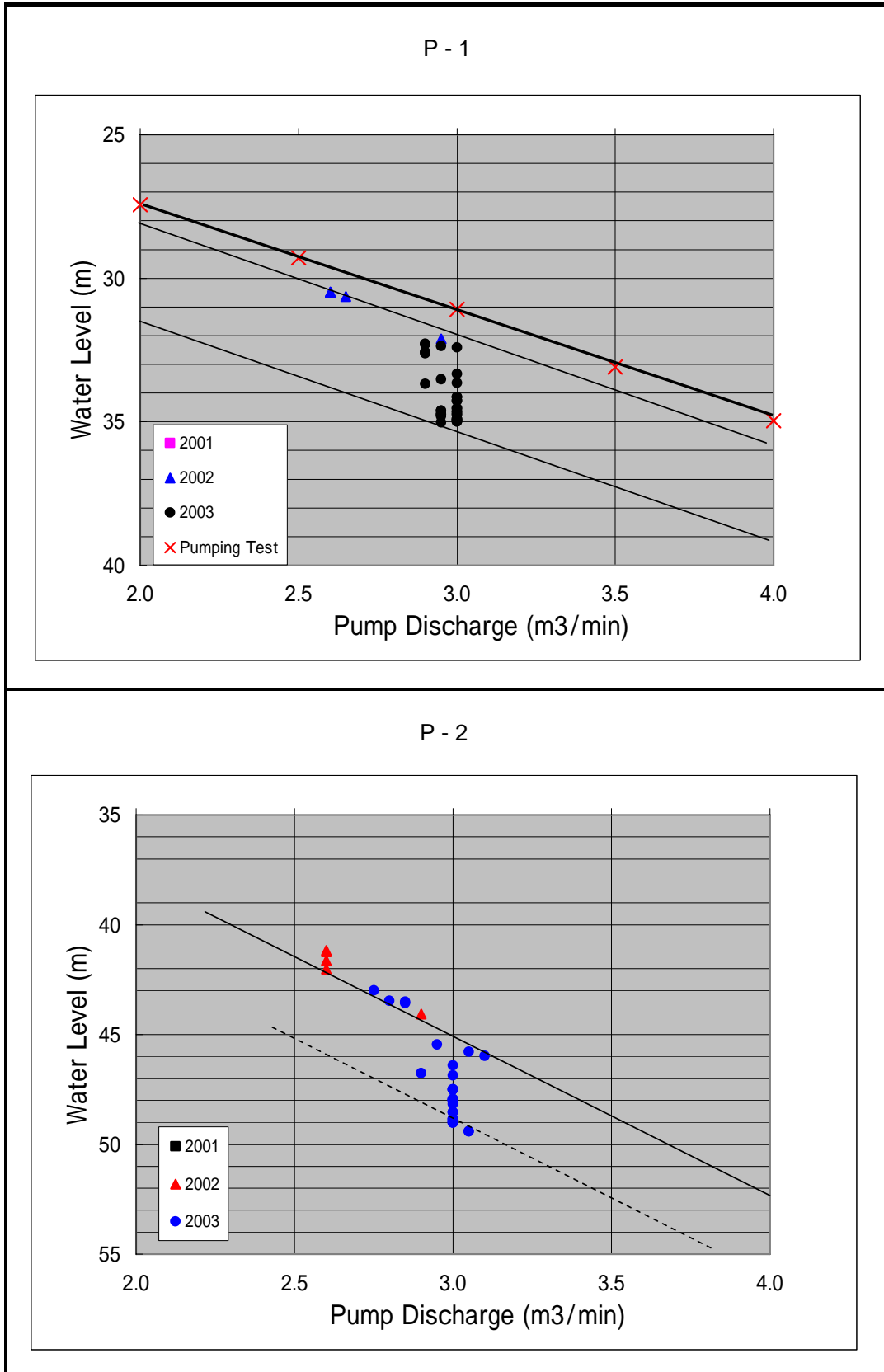


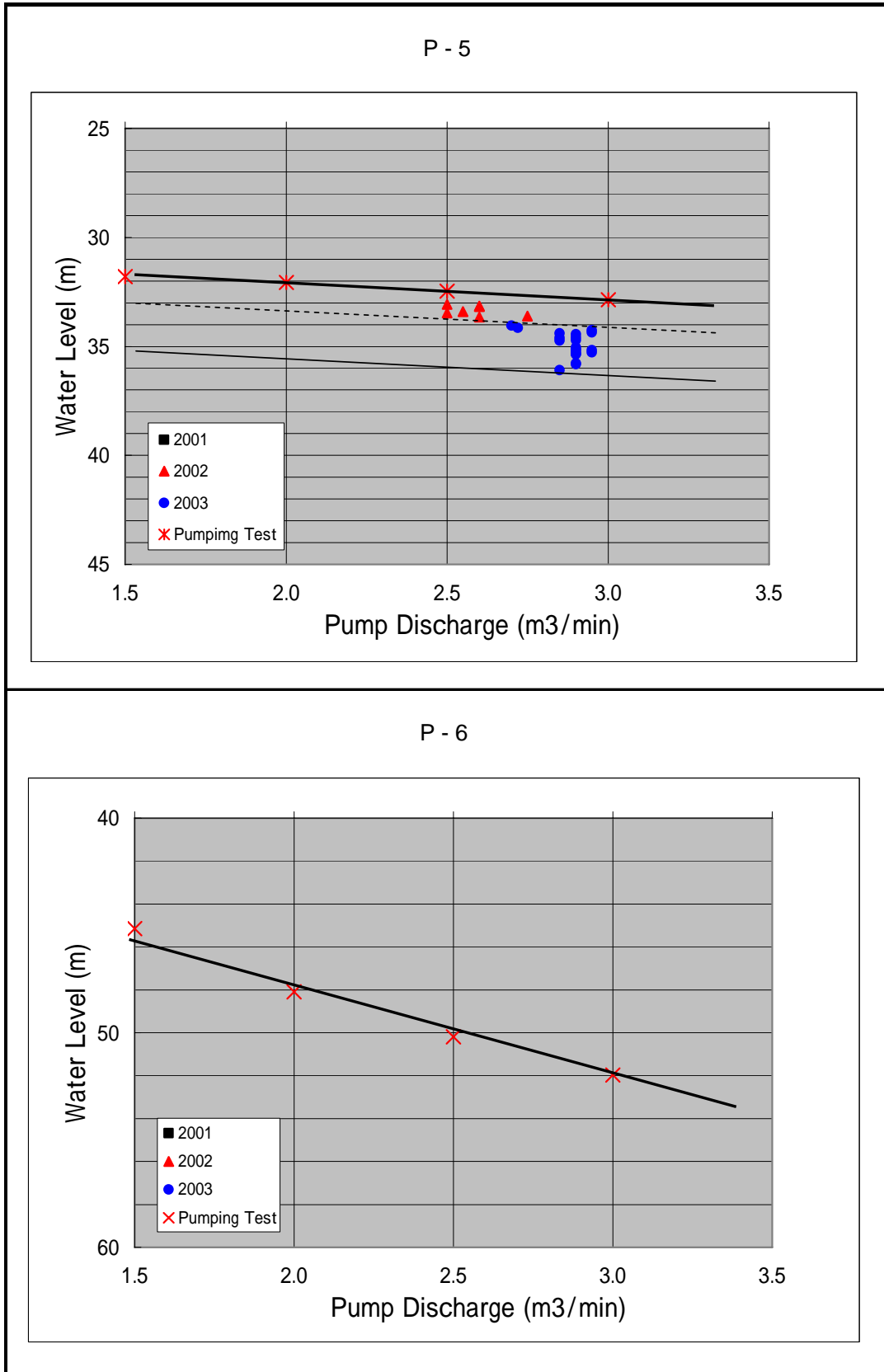


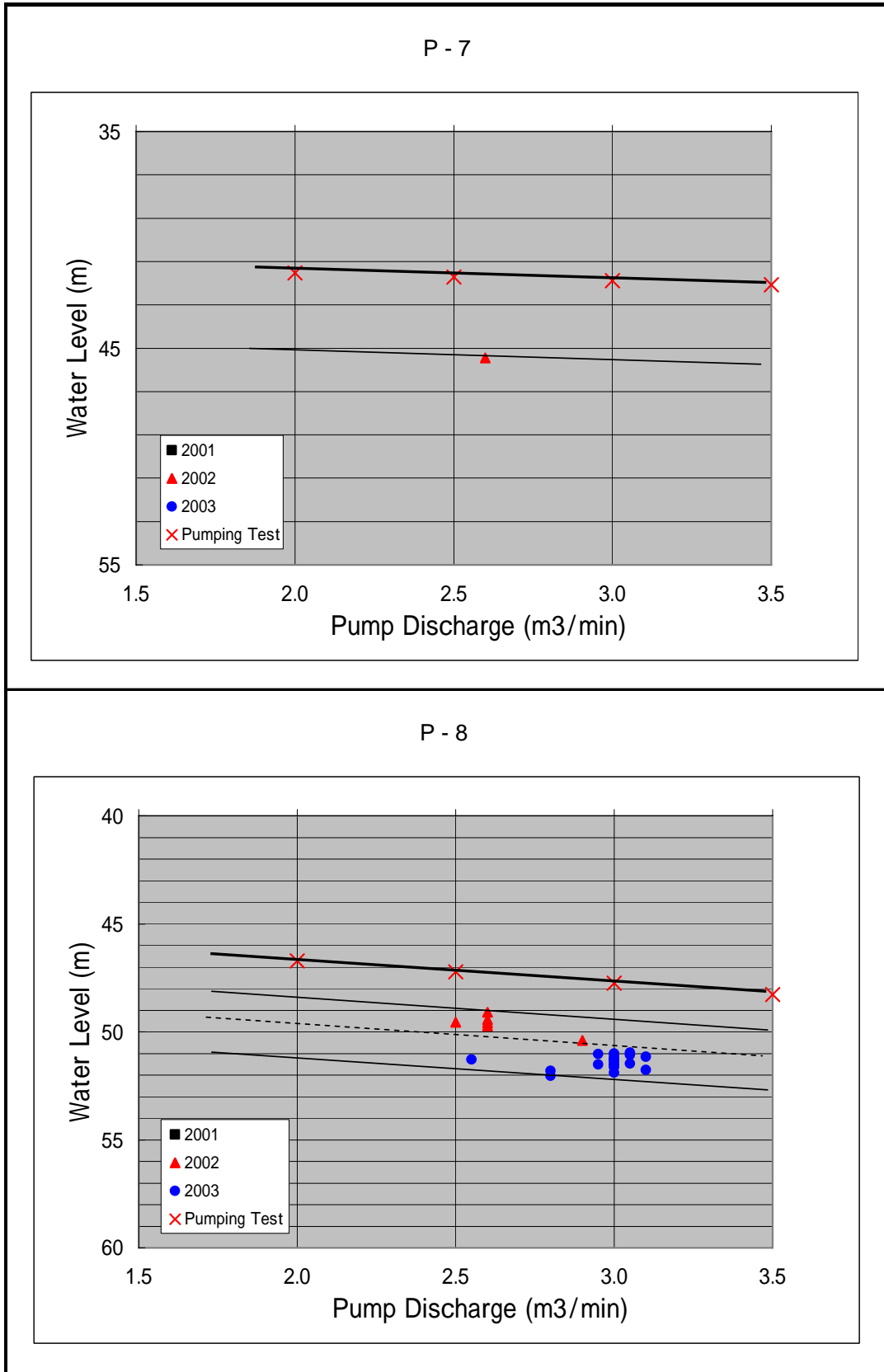


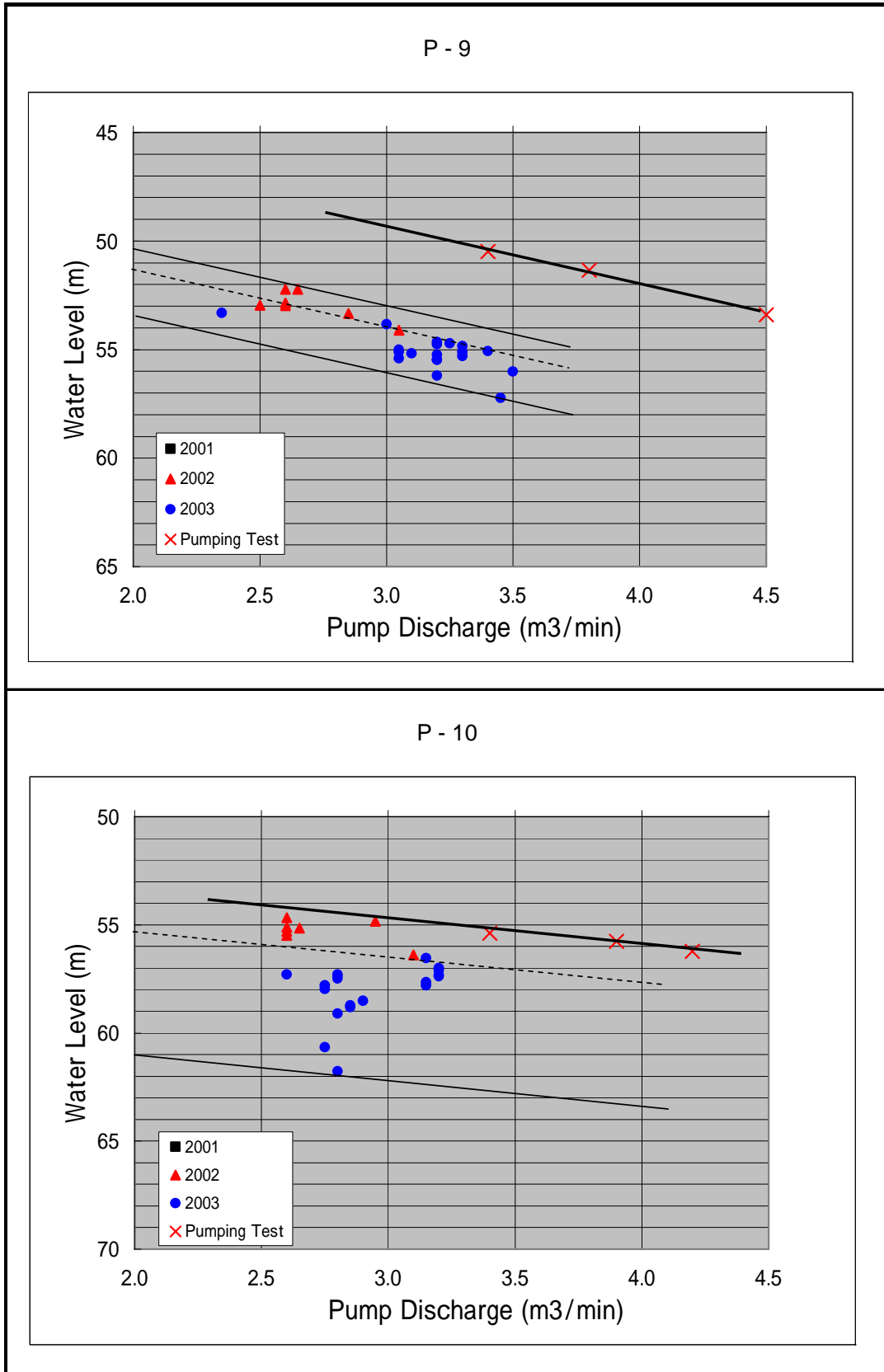


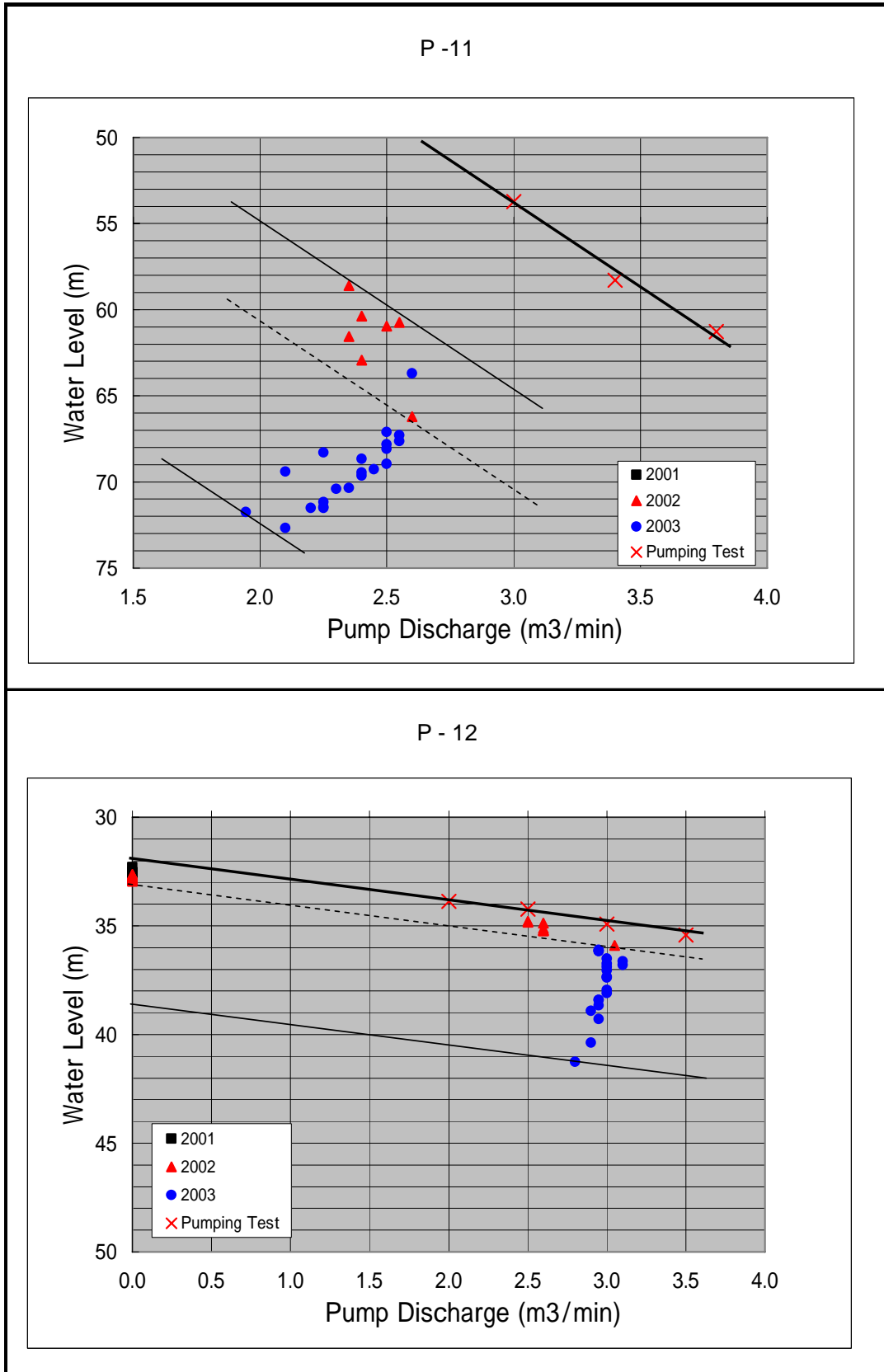


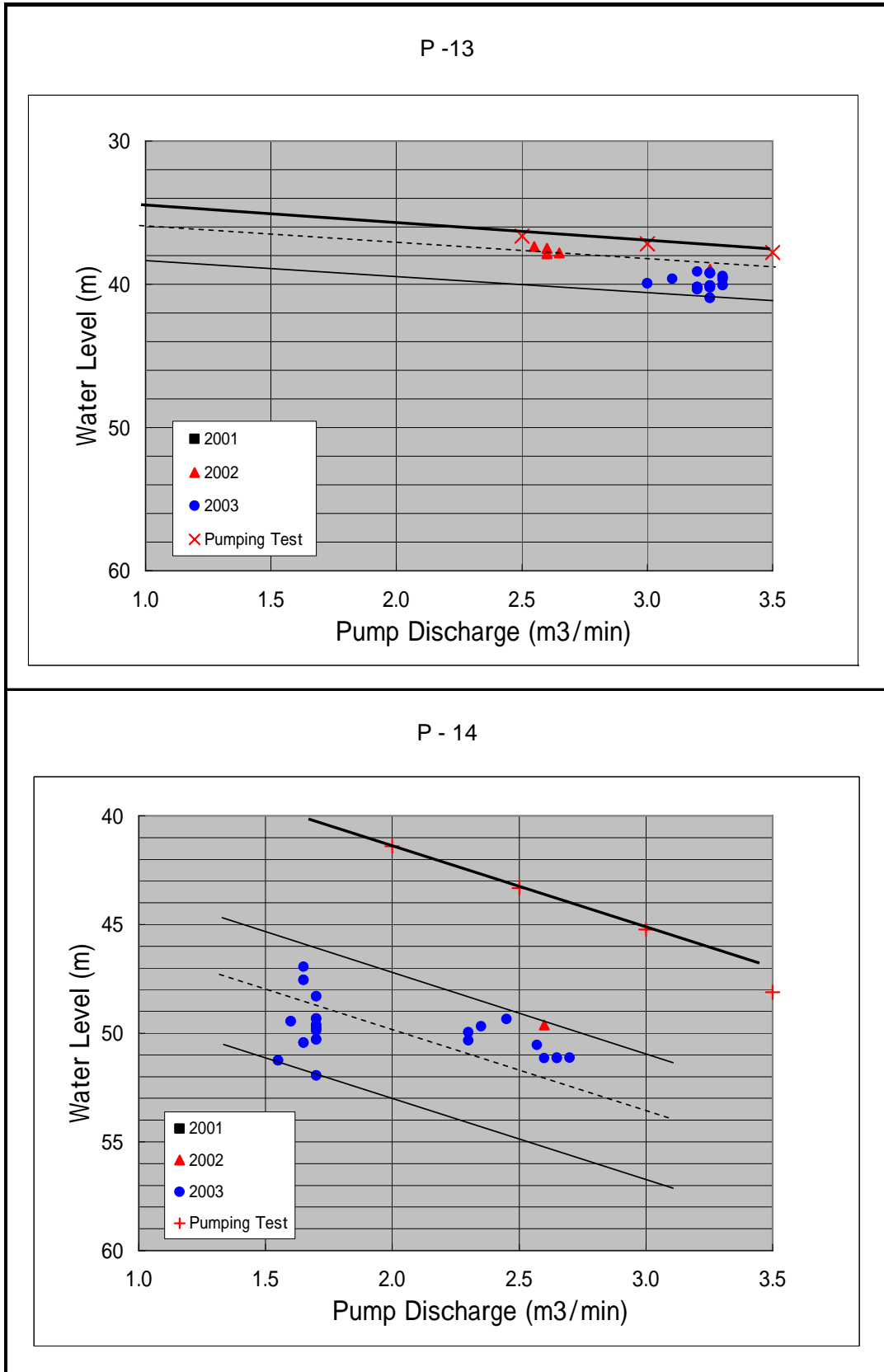


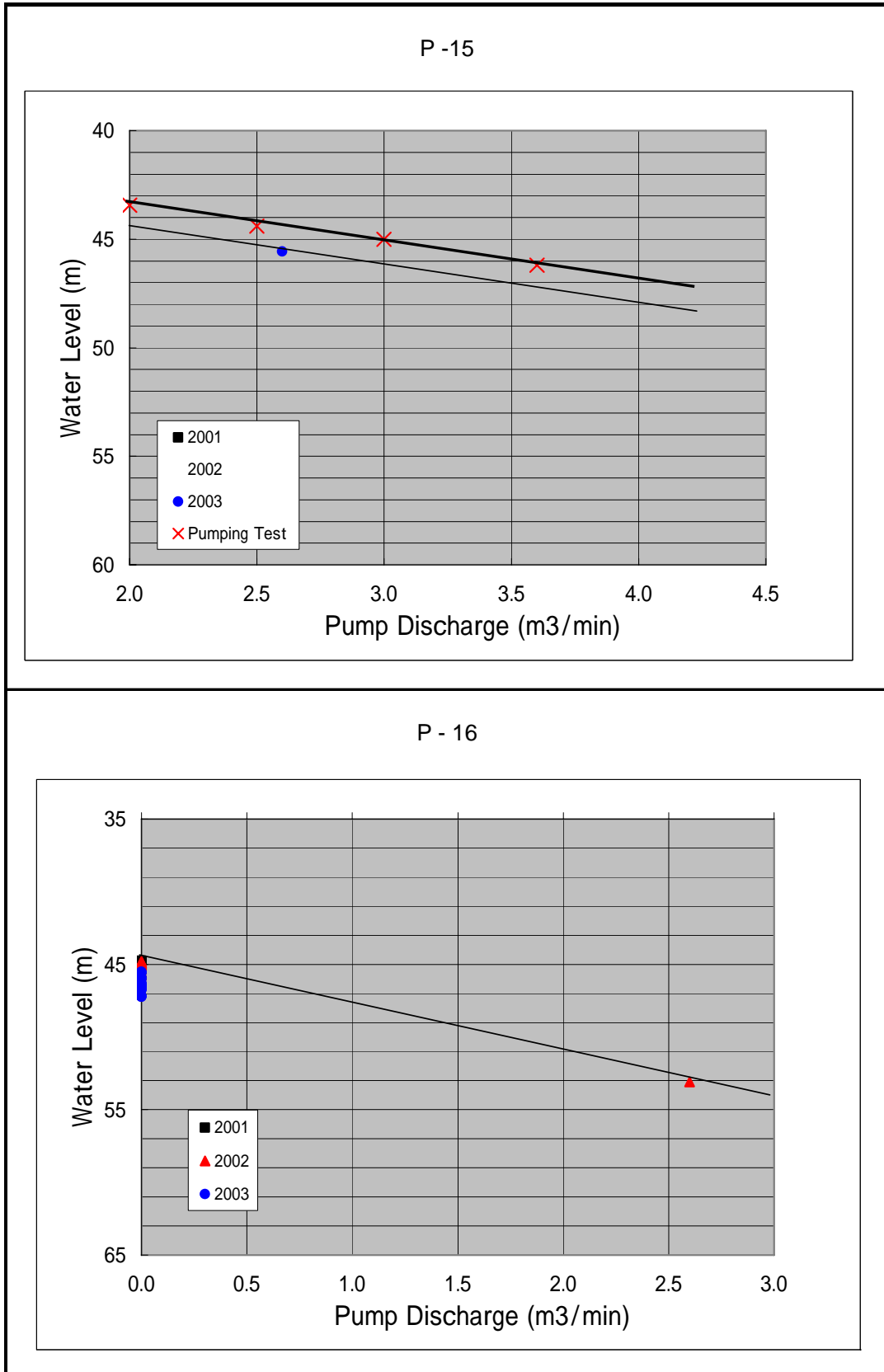












ANNEX 3G

Data on Extraction Volumes from Lake Asososca

**ANNEX 3.G Data of Extraction at Asoscosca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).**

												1966	
DIA				ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.	
1					70.692	84.372	74.234	80.502	92.929	89.060	89.823	92.439	
2					98.162	80.448	109.008	87.479	84.154	77.832	88.351	95.273	
3					83.664	79.630	84.100	76.633	85.353	83.282	82.574	96.527	
4					103.863	80.829	87.315	85.844	75.924	82.737	81.811	85.571	
5					94.946	69.983	76.960	82.465	79.576	90.858	83.228	96.036	
6					96.145	80.066	97.126	82.083	84.590	86.934	76.742	98.925	
7					85.735	74.670	73.308	75.924	85.244	82.628	75.488	97.017	
8					72.272	76.360	89.496	86.280	83.664	79.903	82.574	84.972	
9					93.256	82.628	68.730	92.057	81.865	75.434	89.060	99.252	
10					90.259	74.670	85.571	85.299	81.047	83.173	85.190	96.908	
11					91.785	83.664	86.007	100.178	75.652	85.898	87.261	87.588	
12					98.979	71.618	88.733	84.645	84.209	78.595	88.351	85.353	
13					85.680	81.974	84.481	82.846	87.206	80.448	74.943	99.306	
14					80.121	84.100	81.483	77.603	73.253	83.064	87.206	93.147	
15				88.896	79.412	82.846	83.282	77.494	80.993	80.502	91.294	94.564	
16				89.986	91.403	80.393	82.192	83.549	83.991	75.488	83.718	93.856	
17				79.630	92.929	83.991	75.325	101.966	85.244	79.249	90.204	93.638	
18				92.929	96.690	73.689	82.301	90.547	73.580	84.372	91.948	88.842	
19				89.060	95.273	71.019	85.353	87.572	73.308	76.306	89.005	89.005	
20				94.837	91.676	80.175	85.571	19.480	73.144	86.770	84.645	95.546	
21				97.453	87.370	78.758	83.228	76.676	92.820	83.228	88.405	96.309	
22				99.415	90.259	80.121	80.012	87.228	89.550	85.626	87.043	93.747	
23				87.479	85.462	75.107	75.107	89.332	83.718	77.614	78.813	97.780	
24				77.014	91.785	79.467	86.661	89.387	84.372	87.261	93.529	90.858	
25				105.956	89.441	80.557	86.770	80.720	76.578	76.905	94.673	80.066	
26				107.918	81.320	69.765	83.718	88.733	83.664	88.842	92.112	89.714	
27				83.773	88.035	78.486	93.801	84.808	88.024	86.607	86.716	95.873	
28				90.695	73.090	82.465	81.156	70.419	89.387	77.450	87.097	99.470	
29				86.934	86.716	83.064	84.536	84.645	85.408	82.683	95.055	97.399	
30				93.747	78.813	84.045	88.187	90.531	87.315	69.711	93.747	84.590	
31				0.000	70.637	0.000	84.699	95.273	0.000	82.138	0.000	106.991	
Average				91.608	87.609	78.965	84.144	83.168	82.859	81.955	86.687	93.437	

												1967	
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.	
1	79.630	97.508	98.380	102.413	80.393	83.555	74.834	75.597	81.156	61.126	80.230	81.592	
2	90.640	97.889	99.688	96.963	88.624	76.306	70.746	78.486	77.668	64.533	79.685	76.469	
3	96.636	96.036	100.832	82.737	89.060	68.621	76.197	79.630	72.926	86.934	83.555	76.960	
4	97.780	93.692	76.524	108.463	91.839	75.325	78.704	82.628	85.026	82.955	76.142	81.974	
5	97.017	90.204	82.083	108.245	92.275	77.396	77.668	81.483	84.372	86.171	77.069	82.192	
6	97.726	98.053	98.271	118.819	94.074	77.995	78.050	80.230	86.770	82.192	79.848	83.664	
7	96.309	93.311	100.614	93.147	86.116	78.595	78.377	77.505	82.029	82.138	75.924	85.353	
8	88.624	100.723	103.667	107.373	77.723	79.903	78.213	82.519	79.031	71.182	85.190	83.010	
9	91.022	98.162	102.195	94.837	91.512	78.104	69.384	82.917	77.614	76.469	85.844	76.851	
10	103.122	97.562	103.067	104.648	84.917	67.803	76.306	75.325	69.983	79.358	83.446	68.730	
11	98.216	95.273	96.690	95.546	96.309	69.002	75.325	80.012	77.450	75.052	85.844	82.846	
12	100.015	90.749	83.936	106.010	89.278	76.088	77.995	83.446	86.007	80.230	74.125	87.315	
13	96.963	97.780	90.095	106.882	91.131	72.109	78.377	78.813	79.739	79.848	78.213	82.574	
14	98.925	93.856	99.361	103.776	84.263	78.813	79.903	73.635	79.848	75.815	91.240	82.574	
15	86.716	99.633	103.013	107.155	83.228	79.194	82.247	87.855	75.434	71.564	82.029	78.486	
16	89.169	104.539	96.690	109.444	89.223	80.339	74.561	83.391	76.197	77.396	687.895	86.334	
17	101.432	98.107	100.887	100.069	89.441	78.268	78.322	87.806	71.073	80.938	74.561	71.836	
18	100.778	99.197	93.093	108.735	89.659	69.220	76.905	86.716	76.306	78.213	78.486	82.519	
19	97.235	86.988	83.936	108.899	90.531	74.125	80.611	74.943	77.069	75.434	73.907	88.405	
20	100.069	92.221	98.761	104.593	89.060	76.578	81.320	70.964	84.481	79.685	76.633	79.739	
21	95.055	101.268	90.204	88.460	87.261	76.687	83.555	75.325	84.263	82.410	86.716	86.498	
22	96.091	101.323	96.908	96.908	85.844	78.649	79.739	78.159	78.268	70.637	87.642	79.303	
23	88.351	95.927	71.291	90.967	91.240	80.393	70.746	84.209	75.270	75.216	82.955	85.517	
24	96.363	103.340	89.932	54.504	90.858	78.050	76.687	87.479	68.839	80.557	86.116	70.910	
25	97.944	105.629	73.853	132.990	91.022	70.964	78.649	92.057	69.220	75.979	84.645	72.054	
26	99.633	91.022	88.351	91.022	92.766	78.159	78.704	76.578	88.405	80.339	75.488	71.019	
27	92.875	88.678	85.626	92.602	94.292	79.848	77.886	62.898	86.116	83.718	81.974	94.891	
28	92.221	100.505	104.811	102.631	83.991	80.393	77.723	77.178	61.426	77.396	82.356	85.462	
29	86.825	0.000	104.648	91.507	87.533	80.012	77.995	79.848	73.689	76.142	72.272	87.315	
30	90.695	0.000	108.190	82.356	90.095	77.232	70.528	83.718	71.455	83.446	84.754	85.844	
31	100.887	0.000	102.631	0.000	87.261	0.000	72.599	86.225	0.000	73.907	0.000	77.396	
Average	94.999	96.756	94.459	99.757	88.736	76.591	77.060	80.244	77.904	77.644	101.159	81.149	

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1968												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	73.744	90.150	90.259	89.823	96.963	68.185	75.870	94.019	83.664	84.318	82.519	77.505
2	86.171	90.150	94.510	95.818	97.017	72.708	68.348	73.362	70.637	79.358	78.486	75.706
3	86.171	88.514	87.370	98.325	99.906	78.486	96.472	86.171	86.334	83.010	79.140	92.984
4	81.756	81.265	88.405	73.144	94.074	81.756	89.714	78.540	88.460	81.102	76.033	89.932
5	86.716	84.372	93.202	105.247	78.813	79.630	68.784	70.092	80.284	86.389	86.716	92.766
6	79.739	91.185	100.614	94.346	100.505	81.701	95.273	94.837	84.481	73.090	88.351	91.076
7	76.578	95.055	98.162	88.296	84.318	76.578	74.452	89.768	81.811	76.742	81.865	86.225
8	75.652	97.344	90.368	88.951	86.552	70.147	70.147	93.202	75.216	85.026	84.536	84.263
9	91.948	91.185	90.586	89.496	68.239	81.483	75.924	70.474	77.232	89.605	80.393	77.069
10	87.206	89.714	84.372	86.988	92.330	77.505	88.296	96.091	80.666	79.630	76.633	64.315
11	90.368	83.936	90.586	82.465	90.531	75.052	78.758	89.441	84.045	85.844	86.770	97.072
12	88.078	86.879	91.730	74.071	77.559	76.851	80.611	82.846	96.145	74.888	88.078	94.183
13	89.169	96.636	95.709	78.322	75.815	92.166	86.716	93.202	80.175	72.109	83.555	97.453
14	82.410	92.929	91.567	77.614	80.066	74.888	77.014	84.481	76.796	72.381	83.555	85.898
15	86.552	93.038	108.572	91.185	98.707	74.071	76.578	100.396	68.675	84.372	85.353	89.550
16	85.844	90.695	91.730	95.655	72.763	79.848	88.187	87.424	73.853	77.559	84.917	78.377
17	88.569	91.894	87.697	98.816	95.491	76.197	81.102	91.131	78.813	77.832	83.882	95.055
18	91.621	87.588	89.659	91.349	86.934	79.412	88.351	85.081	76.360	82.247	83.882	92.330
19	92.221	88.896	98.707	91.948	71.673	80.720	79.521	77.777	87.588	74.670	90.204	94.346
20	89.114	96.091	89.169	89.223	82.846	78.431	86.334	88.078	83.729	76.687	90.204	93.147
21	87.315	85.135	94.346	90.095	79.085	81.374	69.820	81.974	76.633	75.325	87.915	93.529
22	76.578	93.638	89.005	91.185	73.689	74.670	78.104	85.953	93.147	89.605	87.751	85.462
23	97.780	84.154	93.638	96.309	79.630	75.706	84.645	83.010	77.450	79.576	76.687	77.723
24	93.910	95.055	88.514	93.856	85.844	75.652	89.114	90.749	76.197	80.339	84.209	96.854
25	75.379	82.356	91.185	89.278	84.754	83.228	85.408	80.775	85.626	79.358	78.595	82.901
26	104.648	60.227	99.470	97.508	77.178	81.156	89.223	78.322	79.794	84.209	96.581	83.773
27	83.882	106.719	93.529	96.745	75.379	82.901	78.704	87.642	79.358	76.851	97.290	91.621
28	79.303	103.449	107.046	90.204	86.171	78.867	78.540	81.811	84.972	76.960	90.150	96.036
29	94.728	92.439	91.948	67.421	73.144	77.886	71.128	86.280	80.192	80.284	91.458	95.382
30	97.508	0.000	88.733	96.963	81.701	74.452	90.150	69.820	76.742	85.299	87.806	78.322
31	90.477	0.000	90.967	0.000	77.886	0.000	95.655	95.764	0.000	80.448	0.000	75.979
Average	86.811	90.024	92.947	89.688	84.050	78.057	81.837	85.436	80.836	80.165	85.117	87.317

1969												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	96.581	83.010	94.019	101.105	102.195	85.680	85.244	89.986	78.159	91.676	93.801	91.349
2	77.014	86.879	94.891	93.038	93.910	82.737	89.005	89.986	68.075	83.500	85.735	93.474
3	94.564	81.647	89.986	93.856	88.514	86.225	92.221	97.998	90.259	92.112	78.104	90.422
4	91.894	97.617	94.673	86.988	96.145	90.150	91.022	93.692	81.974	85.626	92.929	99.361
5	85.408	100.451	94.673	86.879	109.880	87.860	90.531	84.917	83.609	79.412	91.730	99.361
6	78.486	94.564	104.648	89.332	105.901	89.932	82.356	84.863	90.640	86.825	94.346	99.252
7	97.344	97.290	104.648	100.396	106.828	88.896	85.353	95.709	86.171	92.221	92.820	102.577
8	96.908	91.294	103.503	98.107	106.174	81.865	95.437	91.730	81.756	87.261	95.055	94.673
9	94.728	63.007	93.692	106.283	104.157	72.872	90.368	85.735	79.358	83.064	93.420	92.548
10	95.055	93.529	98.271	104.375	97.562	74.507	90.477	85.735	84.318	72.218	93.311	100.069
11	93.256	90.531	103.721	106.174	93.147	91.349	89.005	86.825	95.055	82.519	88.787	101.541
12	87.479	101.922	104.103	89.278	105.574	89.659	89.169	92.602	92.657	87.097	92.657	99.470
13	81.974	96.527	108.299	91.403	102.795	91.131	82.519	89.550	92.548	87.806	98.271	97.072
14	91.785	93.583	102.031	107.046	97.998	89.114	76.742	90.041	87.370	86.716	97.998	93.365
15	93.747	93.365	97.126	101.541	106.501	89.278	63.334	93.801	83.228	88.951	82.029	100.124
16	97.998	95.764	92.711	102.522	94.619	84.481	86.934	90.259	83.555	84.536	93.038	100.669
17	94.673	91.022	96.091	107.536	86.689	85.680	94.455	86.661	95.164	94.019	95.546	101.050
18	93.474	99.252	104.375	103.939	95.164	92.820	92.766	77.995	92.766	88.351	89.060	102.140
19	86.280	94.510	104.430	98.870	97.726	89.387	92.766	68.839	90.041	76.306	97.072	104.266
20	76.088	102.195	102.031	95.600	100.778	84.590	95.982	89.278	90.640	83.936	98.216	102.250
21	107.373	98.053	98.816	107.264	106.283	95.655	90.422	95.437	95.437	90.150	96.799	89.496
22	96.091	92.330	99.361	106.991	89.387	90.095	95.655	93.420	82.574	93.038	84.045	100.723
23	84.209	97.072	96.908	103.994	96.309	82.029	89.986	92.929	87.806	92.439	95.709	102.577
24	88.242	89.659	105.029	97.126	90.858	89.768	96.418	87.860	85.244	89.714	95.273	106.010
25	93.038	96.091	104.539	82.519	95.491	101.595	93.365	79.576	95.982	89.169	94.510	98.925
26	91.567	101.704	107.427	101.214	97.072	81.701	91.022	90.804	92.548	84.699	95.600	92.384
27	86.171	105.792	107.427	94.292	97.399	91.621	84.972	88.460	90.913	84.645	99.960	98.162
28	97.126	100.996	108.681	101.105	96.309	90.422	84.590	80.012	94.619	81.974	87.261	99.361
29	99.252	0.000	102.577	101.595	101.268	83.064	90.804	78.431	83.064	91.240	95.982	98.707
30	95.927	0.000	95.818	108.027	76.960	83.446	89.278	77.178	87.424	89.060	96.527	107.046
31	94.019	0.000	105.356	0.000	90.913	0.000	89.278	78.377	0.000	90.749	0.000	103.013
Average	91.540	93.916	100.641	98.947	97.758	87.254	88.757	87.377	87.432	86.807	92.853	98.756

ANNEX 3.G Data of Extraction at Asosoca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1970

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	99.415	97.508	110.098	125.087	109.335	91.076	93.202	61.099	93.474	81.756	88.242	104.375
2	96.636	106.283	102.795	121.217	106.010	101.813	92.875	92.602	93.965	80.502	95.655	96.363
3	100.015	106.283	108.299	107.754	99.797	99.470	92.003	89.932	93.910	82.574	96.636	100.505
4	99.088	108.190	106.610	101.868	98.761	98.816	94.728	94.782	93.965	93.583	98.598	100.669
5	101.813	107.046	164.166	104.266	116.203	92.602	94.728	95.437	89.932	90.259	100.778	92.820
6	105.847	102.140	109.880	111.297	113.968	94.619	94.510	91.458	93.910	102.359	101.595	98.543
7	104.866	110.752	108.354	112.333	114.894	93.801	90.967	95.273	78.758	102.031	92.711	102.304
8	106.283	102.086	101.977	111.951	106.392	99.470	95.164	95.709	95.218	78.377	93.202	104.593
9	106.174	102.631	102.577	111.951	115.985	102.958	95.055	94.946	96.418	94.128	101.105	106.937
10	105.084	107.972	109.989	105.574	109.880	97.399	95.000	93.965	89.005	94.837	79.903	104.648
11	96.854	108.953	109.063	108.899	103.885	102.795	95.109	92.820	95.000	94.292	92.384	108.463
12	92.875	107.427	102.304	106.337	111.188	94.346	94.455	95.600	92.112	76.306	94.455	107.100
13	106.446	107.536	105.792	99.470	109.390	94.019	94.673	94.619	89.496	93.311	97.927	97.562
14	106.283	106.773	101.977	104.048	106.773	94.510	94.564	94.237	87.206	94.673	92.657	103.558
15	105.193	105.901	107.754	101.595	109.989	91.894	92.657	88.296	85.844	103.885	70.855	100.287
16	97.399	106.010	102.631	108.953	99.688	94.619	90.586	96.145	91.131	97.671	94.237	102.031
17	103.449	1,743.528	109.008	112.442	104.648	103.013	94.564	89.169	94.019	92.875	102.086	102.522
18	95.437	108.626	112.442	111.134	99.906	91.785	95.055	68.130	89.605	90.531	94.128	98.162
19	100.396	108.299	109.989	100.124	98.107	102.631	90.640	96.472	93.965	88.896	101.105	100.887
20	99.688	100.996	109.717	108.626	98.925	97.181	93.420	95.600	87.751	101.704	95.873	94.837
21	100.178	109.063	110.698	111.570	92.875	93.801	93.801	93.747	81.974	100.178	94.183	94.946
22	106.228	107.918	109.771	105.193	83.391	85.135	93.638	103.776	93.965	94.619	94.237	98.107
23	104.484	108.081	103.013	105.465	93.856	93.910	95.437	94.891	94.837	93.747	101.813	97.508
24	96.581	107.373	109.335	116.693	77.450	90.640	95.218	103.503	94.728	93.910	101.486	98.107
25	98.652	102.086	107.100	111.624	98.761	96.527	89.768	71.891	94.074	93.038	93.910	77.287
26	100.723	110.589	100.832	101.105	94.564	96.145	93.256	93.038	93.638	99.415	97.290	100.287
27	105.683	111.461	79.249	106.991	89.496	94.728	90.749	94.019	92.711	101.486	102.522	100.560
28	105.520	111.461	89.932	115.603	100.342	94.237	93.856	95.000	87.206	89.659	100.560	106.937
29	106.228	0.000	94.292	105.574	90.804	93.856	94.673	94.946	99.960	94.019	94.782	113.368
30	105.084	0.000	95.382	115.603	88.896	101.050	94.782	96.200	98.543	100.287	99.688	109.008
31	106.228	0.000	95.382	0.000	92.221	0.000	88.896	89.550	0.000	99.579	100.287	101.323
Average	102.091	165.106	106.142	109.012	101.173	95.962	93.485	91.834	91.877	93.371	95.642	100.794

1971

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	99.579	101.432	90.967	113.150	115.167	94.946	91.349	90.477	98.107	97.399	100.832	101.993
2	101.432	108.245	111.679	119.364	95.327	106.392	94.891	94.673	94.782	96.200	101.214	98.908
3	98.434	108.027	113.096	134.080	115.112	105.847	94.074	93.801	102.140	90.640	97.726	103.732
4	106.664	107.427	106.937	94.619	126.340	112.551	87.588	96.690	93.474	96.581	99.797	99.050
5	105.792	111.243	123.670	116.366	127.539	106.882	96.527	96.854	89.877	96.418	96.145	91.272
6	105.138	110.153	115.766	118.764	121.980	100.723	96.854	100.669	95.491	95.927	98.271	101.067
7	87.315	96.091	109.444	108.681	113.695	107.100	131.954	96.309	99.851	93.801	95.546	104.528
8	104.212	109.008	111.243	96.745	113.205	111.624	75.706	95.273	96.636	93.420	96.745	100.778
9	100.832	110.316	116.312	83.936	110.807	100.287	100.124	95.546	96.472	95.000	99.742	100.097
10	97.944	113.968	115.167	94.673	111.461	98.271	94.455	97.927	93.529	92.711	102.577	104.484
11	101.159	112.769	118.328	94.837	117.129	109.172	87.915	94.564	87.315	97.617	107.809	101.595
12	104.484	112.333	118.001	114.131	118.819	95.546	101.486	94.019	87.152	93.420	104.648	97.344
13	106.283	112.333	117.020	119.418	110.480	87.152	102.359	98.380	99.742	103.122	101.650	100.451
14	94.564	103.885	118.601	125.359	112.169	86.770	91.621	99.524	89.169	99.906	95.491	106.119
15	107.754	110.207	118.982	120.181	96.472	101.759	100.560	97.126	87.533	97.671	97.835	106.446
16	102.195	112.660	117.783	123.125	98.053	101.759	93.474	96.472	101.377	97.780	93.965	103.476
17	102.468	112.878	115.385	119.037	98.761	98.216	93.529	92.820	100.233	95.873	92.766	96.096
18	105.792	112.660	118.056	105.193	107.591	89.986	89.659	99.306	101.922	90.313	102.195	108.735
19	107.373	106.337	113.586	117.892	102.086	96.745	96.854	101.105	86.661	95.491	102.904	101.377
20	106.773	110.480	115.330	108.953	100.996	94.510	94.673	102.195	82.519	102.468	102.304	109.667
21	110.425	106.610	107.427	124.160	106.174	96.690	94.728	102.195	87.806	94.183	88.514	102.664
22	107.536	104.103	109.662	121.544	104.212	94.782	102.195	94.782	99.688	97.290	91.076	96.227
23	107.536	113.150	115.548	99.088	94.074	95.818	96.527	94.619	97.726	93.093	94.837	102.086
24	103.449	113.259	115.058	112.660	109.390	102.904	95.982	95.600	96.690	88.405	97.780	101.813
25	107.536	111.951	111.897	93.474	96.908	92.602	89.659	102.195	96.091	96.418	98.979	83.664
26	106.501	112.060	118.001	111.461	109.826	100.723	100.560	102.086	86.334	100.887	98.053	85.408
27	106.828	113.859	120.672	112.987	105.683	88.405	96.527	95.218	96.527	99.742	97.126	95.600
28	103.721	109.008	107.863	114.186	112.714	105.738	100.560	99.034	98.271	100.723	95.327	97.181
29	106.283	0.000	117.402	110.861	114.622	104.757	95.109	91.894	94.837	102.413	96.145	102.359
30	105.465	0.000	118.056	120.944	95.437	104.920	100.560	101.105	95.982	101.650	102.086	97.344
31	104.266	0.000	118.383	0.000	94.946	0.000	94.346	92.875	0.000	100.723	0.000	90.095
Average	103.733	109.516	114.365	111.662	108.296	99.786	96.207	96.946	94.465	96.687	98.336	99.731

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

												1972	
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.	
1	100.832	113.254	115.876	98.151	105.095	99.039	101.508	105.907	105.138	107.400	106.675	117.336	
2	95.764	108.136	117.173	119.004	105.095	99.039	107.651	105.907	105.138	107.400	106.675	103.481	
3	105.302	114.993	119.042	115.107	105.095	99.039	98.216	105.907	105.138	107.400	106.675	107.520	
4	102.849	116.917	114.595	119.822	105.095	99.039	94.946	105.907	105.138	107.400	106.675	126.427	
5	102.522	114.142	116.835	123.086	105.095	99.039	106.790	105.907	105.138	107.400	106.675	126.716	
6	102.031	109.095	119.522	123.386	105.095	99.039	111.935	105.907	105.138	107.400	106.675	123.397	
7	102.359	113.739	120.045	123.424	105.095	99.039	105.503	105.907	105.138	107.400	106.675	121.664	
8	102.904	118.742	115.570	120.443	105.095	99.039	98.445	105.907	105.138	107.400	106.675	102.179	
9	100.342	116.001	116.917	115.003	105.095	99.039	98.091	105.907	105.138	107.400	106.675	117.336	
10	98.162	115.096	116.410	125.463	105.095	99.039	105.934	105.907	105.138	107.400	106.675	103.051	
11	112.551	109.651	119.418	127.741	105.095	99.039	103.787	105.907	105.138	107.400	106.675	122.100	
12	99.879	107.182	107.596	122.694	105.095	99.039	104.217	105.907	105.138	107.400	106.675	106.512	
13	103.781	107.411	113.368	114.807	105.095	99.039	108.932	105.907	105.138	107.400	106.675	102.473	
14	104.152	111.101	119.222	123.234	105.095	99.039	104.353	105.907	105.138	107.400	106.675	140.430	
15	102.364	115.630	114.851	119.467	105.095	99.039	101.645	105.907	105.138	107.400	106.675	122.111	
16	102.309	117.434	119.587	123.795	105.095	99.039	97.491	105.907	105.138	107.400	106.675	119.936	
17	100.887	117.151	116.731	125.501	105.095	99.039	104.528	105.907	105.138	107.400	106.675	107.520	
18	104.669	114.791	96.118	115.652	105.095	99.039	110.480	105.907	105.138	107.400	106.675	119.500	
19	106.637	113.341	110.741	116.818	105.095	99.039	102.075	105.907	105.138	107.400	106.675	122.612	
20	96.630	106.479	113.450	122.214	105.095	99.039	117.941	105.907	105.138	107.400	106.675	106.948	
21	98.276	115.080	122.563	120.416	105.095	99.039	95.949	105.907	105.138	107.400	106.675	122.536	
22	85.762	118.748	119.838	113.322	105.095	99.039	101.094	105.907	105.138	107.400	106.675	111.739	
23	102.293	115.450	117.429	111.324	105.095	99.039	98.074	105.907	105.138	107.400	106.675	44.601	
24	89.223	118.077	125.572	121.800	105.095	99.039	100.358	105.907	105.138	107.400	106.675	83.418	
25	103.040	117.156	124.983	123.381	105.095	99.039	107.220	105.907	105.138	107.400	106.675	74.474	
26	93.344	113.733	114.993	120.061	105.095	99.039	119.228	105.907	105.138	107.400	106.675	83.130	
27	105.165	109.068	118.214	124.051	105.095	99.039	90.924	105.907	105.138	107.400	106.675	93.518	
28	106.604	115.042	115.151	119.206	105.095	99.039	102.500	105.907	105.138	107.400	106.675	94.603	
29	103.705	118.601	114.802	105.972	105.095	99.039	103.787	105.907	105.138	107.400	106.675	124.841	
30	106.147	0.000	104.386	101.127	105.095	99.039	97.666	105.907	105.138	107.400	106.675	124.700	
31	85.729	0.000	100.009	0.000	105.095	0.000	101.214	105.907	0.000	107.400	106.675	124.700	
Average	100.846	113.836	115.516	118.513	105.095	99.039	103.306	105.907	105.138	107.400	106.675	109.726	

												1973	
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.	
1	116.039	109.826	113.897	105.640	117.195	100.451	88.035	93.954	94.679	93.818	93.529	93.954	
2	104.064	107.226	115.603	121.424	116.906	94.837	99.873	96.063	88.329	108.899	97.856	92.226	
3	120.803	105.067	117.478	121.424	114.742	96.984	97.851	96.123	99.295	93.954	93.954	101.748	
4	114.338	100.157	106.512	118.486	128.886	94.385	93.376	96.761	91.937	98.429	98.293	100.451	
5	117.336	101.317	110.343	124.667	115.603	105.209	111.995	86.018	94.243	94.968	112.142	106.948	
6	122.966	95.829	113.145	122.966	122.013	100.969	107.089	95.834	93.671	90.924	90.924	108.245	
7	144.615	95.976	116.470	117.342	129.752	108.245	94.962	96.265	96.123	91.790	91.790	97.420	
8	134.658	100.304	116.470	122.819	111.995	107.231	98.718	94.673	105.067	91.071	90.924	83.135	
9	144.904	96.407	120.214	113.003	116.039	104.348	100.451	105.645	90.924	101.606	101.312	102.615	
10	152.410	99.726	106.942	118.056	119.358	91.643	109.831	102.615	96.407	96.554	96.581	100.871	
11	145.918	88.182	117.767	123.403	116.470	106.801	104.201	102.615	90.062	96.123	96.091	106.512	
12	130.777	103.073	113.870	125.130	109.978	111.128	106.365	90.924	99.148	92.079	91.790	110.845	
13	130.777	109.248	113.325	128.161	119.500	99.148	102.904	96.385	97.273	101.748	101.748	115.603	
14	123.403	108.534	124.694	118.639	118.203	108.245	100.451	81.691	97.420	78.072	77.935	108.245	
15	105.215	106.512	119.500	105.215	117.625	98.287	94.096	83.130	94.390	96.401	96.118	105.640	
16	124.700	105.645	121.228	113.870	138.407	101.748	95.398	108.676	81.113	99.731	99.584	87.893	
17	116.181	106.217	123.397	122.100	113.009	96.407	75.913	102.473	96.554	72.883	72.736	109.112	
18	104.778	94.390	120.923	113.766	113.009	102.037	106.512	93.954	103.334	98.865	98.718	103.917	
19	108.245	100.157	115.172	104.778	100.451	98.287	94.821	91.648	101.748	96.843	96.554	109.973	
20	106.948	109.106	124.694	99.590	89.915	95.687	91.790	95.687	97.851	100.598	100.451	107.814	
21	106.081	106.092	128.444	106.081	116.328	92.237	93.665	98.233	99.154	90.924	90.924	111.275	
22	100.887	114.306	117.336	106.087	106.081	93.954	92.946	98.429	101.317	96.843	96.554	105.683	
23	106.539	112.284	125.130	109.542	103.770	93.376	100.593	99.584	90.057	96.554	98.189	108.676	
24	113.445	111.423	123.969	114.742	103.770	80.099	102.037	102.615	95.687	86.018	85.729	103.051	
25	105.215	105.934	108.092	118.094	94.673	106.948	114.736	101.029	97.420	94.821	83.920	102.615	
26	102.620	108.245	124.694	108.250	103.051	95.687	113.728	93.376	96.412	97.132	96.984	97.851	
27	97.420	114.017	121.500	111.275	89.763	96.123	100.304	95.829	98.576	97.562	97.420	113.439	
28	93.093	114.159	122.383	114.742	93.523	93.523	98.140	88.504	68.577	90.493	90.488	109.542	
29	87.899	0.000	120.797	104.348	101.170	103.051	86.879	78.802	89.915	97.709	97.420	116.039	
30	97.404	0.000	122.961	113.439	99.181	97.851	88.471	92.515	91.360	99.873	99.584	101.748	
31	99.154	0.000	122.383	0.000	96.990	0.000	95.829	95.540	0.000	104.637	0.000	109.112	
Average	115.446	104.620	118.366	114.903	110.882	99.164	98.773	95.342	94.602	95.094	94.541	104.264	

ANNEX 3.G Data of Extraction at Asososca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1974												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	103.896	130.286	129.382	119.860	129.774	118.214	126.466	121.593	105.683	120.645	114.497	141.372
2	115.358	122.443	126.062	124.324	129.774	118.214	117.799	119.582	110.649	111.608	114.219	130.766
3	117.620	123.059	124.858	124.324	144.637	123.163	129.769	119.865	116.192	109.128	112.436	132.935
4	120.628	118.524	114.753	131.464	124.318	121.517	119.451	111.880	111.608	113.259	118.890	130.199
5	118.524	121.239	129.856	133.644	129.774	119.865	117.979	111.243	109.945	113.259	119.582	135.671
6	112.491	127.572	130.286	129.774	108.223	119.865	119.037	122.879	102.604	109.128	120.688	130.613
7	117.015	130.286	130.286	124.324	124.389	123.168	118.257	129.769	119.037	106.959	120.688	126.629
8	118.524	130.286	130.286	129.774	124.389	124.820	119.037	118.895	95.099	118.214	121.517	114.088
9	116.410	130.286	130.286	129.774	121.092	123.163	117.827	119.865	118.208	118.628	122.754	109.166
10	119.429	110.927	124.722	124.324	119.860	123.163	119.451	114.082	129.769	120.688	115.739	132.843
11	122.143	120.786	118.524	117.385	121.511	121.511	106.212	108.637	129.769	110.496	120.688	131.627
12	121.086	124.858	128.477	102.887	110.371	122.340	111.608	125.621	129.769	112.153	120.274	121.849
13	113.848	124.836	130.286	116.971	121.517	121.517	109.128	122.847	129.769	109.951	126.395	123.882
14	116.715	124.858	132.096	128.984	90.144	107.062	109.951	108.828	109.951	116.562	124.722	125.899
15	120.933	126.362	150.191	119.860	119.042	113.674	111.608	153.936	114.088	119.865	126.853	110.376
16	123.953	124.607	124.405	137.208	129.774	105.547	123.577	118.067	117.385	119.037	126.558	123.866
17	125.763	116.862	129.572	129.774	111.978	116.557	133.448	122.470	90.144	119.037	114.006	128.046
18	126.515	118.830	117.614	141.394	121.517	108.305	120.688	107.476	108.299	115.739	127.616	131.371
19	123.353	113.396	130.286	124.324	109.951	113.259	123.163	129.256	105.362	113.674	134.020	127.092
20	108.120	124.836	130.286	135.350	113.674	111.199	111.602	120.688	108.299	105.825	125.256	122.901
21	120.933	124.836	130.286	133.584	119.865	109.951	109.978	120.955	112.851	83.811	129.076	122.149
22	115.957	130.286	147.477	129.769	107.100	109.951	115.734	118.628	110.785	104.468	139.988	116.421
23	117.314	126.651	130.286	145.575	121.517	110.779	123.637	122.509	114.497	118.584	124.754	124.945
24	116.410	118.072	130.286	129.769	114.900	113.259	118.623	118.753	116.192	110.174	114.491	139.656
25	120.334	130.286	121.239	140.920	112.851	113.259	121.517	107.607	114.905	119.037	127.403	121.598
26	122.291	139.634	130.286	129.774	129.774	111.608	124.950	129.398	117.799	115.848	127.229	131.862
27	104.501	124.836	135.077	129.774	112.491	108.032	109.951	121.784	113.674	109.951	130.499	127.278
28	107.000	130.286	130.286	129.774	117.396	128.695	116.192	115.707	116.284	101.579	129.316	126.569
29	117.015	0.000	139.786	129.774	118.955	110.371	129.774	119.865	112.267	118.977	125.436	111.602
30	122.143	0.000	130.286	140.920	123.157	105.002	118.214	119.168	119.860	117.756	131.284	118.214
31	130.286	0.000	123.026	0.000	123.163	0.000	129.774	113.259	0.000	86.220	0.000	116.306
Average	117.952	124.644	129.382	128.845	119.577	115.901	118.852	119.842	113.691	111.944	123.562	125.413

1975												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	109.542	131.425	135.671	154.568	117.336	114.028	117.271	141.858	128.106	126.673	124.656	121.609
2	117.249	123.277	126.433	151.107	148.365	125.866	130.085	147.439	135.944	123.130	111.134	113.221
3	117.527	132.434	136.102	154.410	153.015	129.970	113.548	116.208	115.739	124.247	119.129	131.654
4	125.463	133.965	139.083	155.663	144.185	127.305	122.476	134.347	123.070	91.207	116.301	127.261
5	109.297	119.080	137.639	142.746	150.693	103.667	121.364	141.514	135.203	93.142	116.824	123.517
6	130.265	139.776	138.991	143.716	149.297	103.280	124.961	109.493	119.064	101.247	127.060	121.500
7	122.492	130.853	138.980	145.836	153.478	110.398	129.769	117.756	116.072	108.899	122.236	110.147
8	131.344	131.633	136.140	154.873	156.268	123.217	127.910	129.229	123.184	114.905	111.919	113.292
9	133.709	120.132	131.894	158.961	154.410	143.743	116.557	96.091	129.022	113.630	118.148	128.357
10	125.610	133.644	129.196	143.318	154.873	126.166	127.152	124.563	124.231	120.557	118.437	130.352
11	129.992	142.899	143.422	153.941	139.067	134.543	122.563	133.726	130.695	122.460	124.258	124.880
12	122.901	144.032	143.880	162.776	152.083	136.102	122.296	148.583	123.631	95.709	121.293	132.537
13	134.380	142.021	140.680	146.332	153.478	142.882	118.148	129.774	128.313	105.949	116.077	130.466
14	135.312	139.285	142.070	148.060	156.732	136.424	122.558	130.259	112.147	125.043	122.939	112.589
15	141.095	140.626	137.950	153.015	144.185	126.335	130.630	131.763	118.977	124.820	110.185	131.469
16	138.146	122.312	128.183	155.325	118.459	158.023	137.437	127.648	126.335	126.509	118.535	132.407
17	139.748	139.121	142.561	129.060	141.699	144.648	130.897	128.597	129.251	112.611	122.002	131.409
18	119.865	141.503	141.105	153.015	157.664	119.691	140.119	128.624	124.247	126.874	127.970	133.856
19	138.533	141.912	147.150	151.156	153.478	129.125	135.301	99.753	132.172	105.705	128.324	132.832
20	137.323	138.238	146.823	140.277	147.439	131.158	120.557	122.917	125.763	120.835	125.495	132.559
21	134.788	120.350	138.691	158.127	156.563	157.211	126.106	115.717	98.107	122.193	121.364	126.804
22	136.233	138.598	154.410	159.986	149.297	115.352	127.932	121.315	121.980	130.057	117.026	133.726
23	138.298	128.542	135.780	163.997	153.015	118.519	129.698	119.244	114.671	105.934	99.541	136.440
24	135.906	122.040	138.691	155.805	156.732	123.975	124.198	99.334	119.358	136.821	115.783	127.332
25	139.383	147.433	146.567	152.546	136.652	123.577	129.104	129.769	122.143	124.078	117.658	119.222
26	98.865	141.972	142.337	150.224	108.523	127.305	125.942	129.458	128.161	112.224	125.403	119.097
27	124.405	138.462	134.325	142.321	158.127	125.833	122.563	130.717	130.134	125.708	120.394	134.134
28	146.038	138.200	127.921	153.478	156.563	127.545	126.771	139.895	118.557	127.757	118.170	122.514
29	144.376	0.000	125.959	150.693	124.438	110.845	141.487	132.494	134.450	123.125	115.091	97.257
30	138.516	0.000	132.695	150.229	105.770	112.987	142.637	131.011	122.563	118.246	105.302	133.306
31	121.250	0.000	140.975	0.000	120.160	0.000	145.008	147.973	0.000	121.811	0.000	127.250
Average	129.608	134.420	138.139	151.185	144.259	126.991	127.518	127.002	123.710	117.165	118.622	125.581

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1976												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	119.337	121.021	145.144	152.557	132.445	115.712	100.778	103.394	144.872	83.718	130.864	104.811
2	123.364	134.946	147.215	156.154	133.753	100.560	91.403	92.875	138.713	103.231	142.092	108.354
3	133.306	136.478	147.215	150.431	138.713	107.645	89.605	95.437	139.367	100.069	139.203	104.866
4	126.171	139.944	151.194	143.891	146.125	99.633	82.901	131.682	136.260	98.761	117.456	96.527
5	127.103	139.241	150.922	150.704	140.402	100.996	98.325	127.485	116.530	95.055	106.446	76.197
6	136.930	133.099	146.725	153.320	151.140	87.642	83.391	125.168	139.748	90.913	102.904	84.372
7	131.747	139.961	118.546	150.486	149.232	82.574	101.486	136.424	145.144	96.036	92.057	121.598
8	139.318	127.392	158.552	151.140	151.303	103.667	84.645	114.676	139.312	99.688	95.818	80.611
9	135.611	142.844	152.829	151.412	143.891	95.764	90.749	112.333	126.722	90.913	98.652	103.667
10	137.546	137.666	158.225	152.993	144.381	89.768	98.216	98.816	104.321	96.527	98.380	107.809
11	130.057	140.293	149.123	150.322	149.232	90.204	81.374	94.346	100.669	97.998	99.688	95.600
12	129.992	143.820	147.706	145.526	150.922	86.171	95.000	99.470	88.951	92.221	100.069	100.451
13	137.465	140.528	115.003	149.341	149.450	80.775	92.984	89.387	91.240	89.223	94.673	105.738
14	137.459	136.211	154.301	62.898	151.957	94.455	80.666	72.654	94.619	90.531	80.393	107.809
15	135.230	125.583	143.237	158.716	156.863	100.614	102.631	79.848	86.934	92.820	95.982	108.681
16	139.841	129.180	148.578	149.886	125.850	88.078	99.415	82.465	104.757	79.521	94.564	104.375
17	137.950	142.648	148.905	137.187	154.137	92.330	102.958	90.259	109.608	93.801	101.105	103.721
18	126.253	143.286	151.303	126.286	156.154	111.733	92.493	86.171	109.826	95.218	97.671	106.392
19	136.315	142.245	150.377	138.658	156.644	107.482	101.541	85.844	94.673	95.873	97.835	67.912
20	137.519	135.273	92.657	155.282	157.081	84.045	104.539	103.176	108.844	94.237	107.536	93.147
21	138.860	143.400	156.699	151.085	130.810	94.401	115.712	88.569	111.134	92.221	90.368	95.000
22	139.230	131.191	151.794	144.981	153.483	80.012	113.913	101.868	111.515	93.747	102.195	100.832
23	123.353	139.803	153.429	152.066	104.430	83.064	116.475	130.810	101.704	95.109	105.465	96.254
24	147.292	142.201	145.580	155.118	152.720	85.026	105.792	111.690	97.508	88.514	110.316	93.311
25	128.989	149.068	137.350	147.052	140.348	90.804	95.382	160.405	106.446	91.730	109.771	76.360
26	133.426	147.760	138.004	151.630	126.286	74.234	96.363	141.002	94.401	103.994	110.371	75.597
27	142.424	145.907	141.983	154.846	127.757	82.138	105.847	133.644	101.813	103.830	109.553	101.541
28	138.947	149.831	134.025	156.481	125.686	86.716	97.562	142.419	83.064	103.285	98.107	102.031
29	140.277	133.698	142.310	155.936	123.833	92.384	96.418	130.919	86.988	96.745	112.932	104.103
30	139.062	0.000	146.888	152.012	109.226	93.638	98.216	142.146	94.074	95.873	113.205	103.394
31	137.574	0.000	150.704	0.000	128.738	0.000	105.247	150.486	0.000	90.041	0.000	101.486
Average	134.450	138.432	144.404	146.946	140.742	92.742	97.485	111.479	110.325	94.563	105.189	97.824

1977												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	85.135	102.740	120.944	110.916	102.304	105.574	90.150	74.998	77.723	87.370	93.529	98.979
2	75.107	108.463	104.702	112.316	106.174	95.709	89.387	84.154	98.925	82.410	80.993	101.050
3	103.067	107.754	129.502	107.318	128.248	122.089	76.633	97.671	80.666	69.929	84.754	97.617
4	108.517	109.935	124.433	100.015	108.463	105.029	91.785	101.050	93.638	72.163	87.315	84.318
5	104.702	94.728	104.103	111.079	104.757	89.659	76.851	88.624	94.510	72.327	88.024	98.325
6	108.081	84.590	95.437	105.138	86.334	93.311	85.680	81.811	99.034	77.777	60.663	106.610
7	107.373	106.010	110.262	97.998	81.265	102.577	80.775	68.021	97.889	84.917	107.645	108.953
8	108.735	98.271	114.567	80.066	97.562	102.086	84.372	97.290	102.577	87.206	100.614	106.501
9	84.209	101.159	113.532	91.403	120.345	95.818	87.751	94.292	109.499	76.687	109.335	104.975
10	109.008	103.503	111.842	97.726	90.804	92.967	71.509	88.569	106.119	77.777	137.732	110.098
11	110.643	99.470	113.913	120.127	92.221	78.889	101.486	99.470	75.652	86.171	97.344	97.235
12	109.989	102.260	110.534	131.573	87.370	89.387	92.657	102.849	95.000	92.330	103.552	102.304
13	111.515	82.410	98.598	119.473	90.368	92.657	112.169	85.408	98.761	93.202	83.609	109.390
14	106.283	102.680	110.643	149.341	124.814	93.856	99.197	83.500	92.330	97.780	100.178	142.909
15	101.595	105.465	113.041	134.134	83.119	94.401	85.135	95.273	78.540	88.351	108.681	139.367
16	79.630	107.209	111.842	120.955	100.124	100.941	85.789	105.956	87.315	77.341	92.221	104.757
17	115.548	105.574	108.081	118.110	93.692	97.780	66.713	100.887	73.090	93.311	88.678	112.496
18	106.228	101.432	106.501	136.751	104.539	96.581	99.633	84.972	65.023	94.074	78.377	114.840
19	105.901	107.100	85.735	132.009	103.776	72.381	94.946	82.683	92.875	93.638	63.879	105.956
20	103.231	83.119	103.721	130.243	118.655	97.780	82.628	73.798	108.087	88.242	77.941	115.221
21	96.636	101.704	114.894	133.044	95.437	93.856	92.548	53.523	96.908	77.505	73.689	126.231
22	104.430	109.335	111.897	132.281	106.773	94.510	92.766	82.574	100.832	72.872	84.427	119.309
23	92.657	108.681	106.664	127.757	102.359	94.837	94.728	85.353	96.908	58.537	86.225	117.184
24	97.998	110.916	103.885	111.679	78.976	101.377	63.334	79.521	96.472	72.218	88.624	124.324
25	106.283	112.932	108.136	121.326	137.514	103.449	99.306	82.792	54.668	79.576	93.638	80.284
26	109.063	109.935	107.645	131.845	91.458	86.552	97.889	86.770	83.228	80.611	89.872	96.581
27	114.349	92.166	98.543	126.231	94.292	98.107	103.885	78.704	71.237	80.993	93.801	126.940
28	106.283	110.153	107.318	126.994	91.185	95.055	99.742	62.080	64.097	82.737	95.818	123.561
29	99.143	0.000	106.119	126.558	74.779	114.349	106.501	87.588	80.720	96.581	96.418	118.710
30	78.922	0.000	109.935	116.911	99.415	87.533	84.917	81.865	71.891	72.436	98.325	117.511
31	110.425	0.000	113.859	0.000	95.382	0.000	60.499	71.346	0.000	87.697	0.000	119.800
Average	101.958	102.489	109.059	118.711	99.758	96.303	88.754	85.271	88.140	82.412	91.510	110.720

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1978												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	88.460	136.424	153.919	137.732	124.487	89.441	96.908	92.057	94.510	83.391	108.081	116.039
2	106.937	130.973	149.777	122.416	121.544	89.605	82.846	92.711	97.726	99.470	104.757	110.643
3	114.295	126.885	137.132	139.094	120.999	101.759	91.578	88.951	87.097	94.183	99.791	88.569
4	125.359	138.386	153.810	136.642	108.354	113.368	99.415	109.608	88.242	95.055	103.176	106.174
5	130.374	106.773	134.461	144.654	91.785	97.290	96.254	88.187	102.031	96.036	89.659	118.328
6	123.942	125.523	133.044	144.545	115.766	88.296	98.652	82.901	87.261	100.015	104.975	112.333
7	123.016	135.442	143.237	145.308	93.747	100.102	101.868	102.031	94.128	96.854	121.653	94.728
8	97.562	133.807	137.405	141.165	126.013	97.453	108.081	89.332	90.531	88.351	116.366	89.332
9	134.352	130.101	158.825	127.158	123.288	88.678	81.320	101.813	92.929	98.325	108.735	102.195
10	129.174	130.864	146.398	130.156	117.620	86.171	93.202	101.868	80.775	109.390	109.989	84.154
11	138.277	130.428	145.144	150.377	122.198	35.537	91.349	102.522	96.908	111.352	96.799	97.944
12	131.736	111.733	131.900	154.301	122.634	89.496	97.072	124.923	90.368	100.505	86.552	102.631
13	132.172	126.504	140.457	149.450	113.477	93.093	99.361	115.330	105.356	110.425	97.889	112.169
14	125.196	141.111	159.261	149.286	110.752	92.984	106.174	114.295	86.280	95.491	105.683	105.901
15	101.759	145.907	150.540	146.398	118.492	90.695	106.773	99.960	88.133	89.441	103.503	120.454
16	134.788	141.274	150.322	128.030	111.777	89.550	82.846	88.187	89.714	102.304	105.792	113.695
17	138.277	134.298	146.888	137.568	135.933	93.692	95.927	92.166	79.194	104.811	98.489	98.979
18	135.224	129.611	152.611	139.912	124.269	98.129	95.437	94.128	89.223	97.835	105.574	117.129
19	128.956	124.487	122.198	134.570	101.268	99.960	75.161	90.368	86.661	97.780	100.233	129.774
20	163.185	133.371	124.487	130.919	120.454	112.060	92.602	86.280	93.311	98.053	110.098	117.838
21	118.764	133.807	134.952	124.705	90.913	99.252	88.405	100.396	95.327	131.246	107.264	131.736
22	117.293	138.440	130.156	82.846	116.857	95.164	98.325	105.193	99.742	128.466	111.406	122.798
23	121.108	153.974	106.610	105.683	111.079	93.093	75.325	104.375	96.908	110.752	110.589	119.691
24	135.987	141.438	110.207	128.520	98.216	100.451	96.418	99.742	82.083	107.155	107.972	101.595
25	127.812	143.727	111.733	97.617	100.069	87.097	100.124	101.432	92.657	94.728	104.920	94.673
26	117.729	124.705	98.870	126.340	97.780	99.252	109.008	85.680	96.908	99.797	98.053	119.364
27	129.283	136.642	138.658	111.897	91.676	107.700	98.870	84.808	90.913	91.294	101.868	120.345
28	116.966	147.324	144.872	124.542	81.102	118.601	107.373	96.963	82.955	93.692	127.049	136.642
29	113.150	0.000	140.348	122.634	107.046	127.703	123.615	89.714	81.374	86.116	115.003	141.765
30	119.418	0.000	141.710	123.070	95.491	113.477	117.293	93.965	84.917	97.671	110.605	117.456
31	131.535	0.000	136.369	0.000	110.262	0.000	98.216	96.799	0.000	105.629	0.000	113.859
Average	124.261	133.356	137.623	131.251	110.495	96.305	96.961	97.312	90.805	100.504	105.751	111.578

1979												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	103.449	142.092	151.412	132.445	72.163	90.204	131.409	133.698	112.387	104.103	123.506	120.781
2	122.307	138.059	154.519	136.805	110.534	86.879	137.732	146.997	103.067	109.662	123.070	107.264
3	110.970	145.580	141.656	144.490	101.595	88.678	144.436	139.639	103.558	119.255	123.888	105.084
4	125.904	136.096	132.772	135.715	105.738	99.143	144.926	134.516	104.266	138.113	121.653	123.016
5	103.013	131.518	134.570	127.757	97.126	85.680	110.861	130.210	122.961	122.743	119.091	122.361
6	110.534	119.800	139.857	152.175	91.458	82.846	117.347	118.655	147.488	123.397	132.063	122.743
7	101.868	142.800	125.359	139.203	102.359	86.879	155.500	109.989	113.477	124.651	120.345	117.892
8	117.892	148.414	148.687	130.701	108.190	109.281	147.815	106.010	93.747	120.018	121.271	118.819
9	127.321	151.957	151.303	124.869	104.648	85.408	148.796	114.022	95.055	145.308	121.598	98.489
10	136.042	137.296	123.997	122.579	102.359	53.795	133.644	118.383	97.017	118.601	122.034	111.842
11	120.018	121.544	139.857	140.184	107.536	37.063	115.330	119.473	94.183	121.544	115.112	124.269
12	120.290	137.296	143.073	126.776	104.702	74.507	123.670	120.399	125.904	119.200	113.641	122.525
13	135.933	147.760	142.146	103.449	98.652	89.005	95.818	133.971	118.165	116.257	123.125	115.003
14	124.760	141.601	149.123	107.427	94.183	104.048	152.720	114.349	146.834	125.686	135.824	105.411
15	124.705	151.630	160.078	111.188	96.963	94.673	145.689	139.312	113.150	105.084	114.676	115.494
16	137.950	145.362	153.538	128.684	105.956	100.941	146.452	111.079	118.492	122.743	117.511	110.534
17	125.468	143.237	150.159	127.975	112.823	108.790	139.639	133.862	129.065	124.378	115.985	104.484
18	187.276	135.824	96.745	134.734	112.660	111.897	140.784	114.240	126.994	135.878	120.236	112.551
19	135.442	132.063	148.360	137.568	118.056	110.534	140.021	106.719	123.299	122.470	120.835	115.330
20	142.909	152.884	144.381	136.478	110.044	138.495	129.447	126.613	125.032	146.997	124.869	120.127
21	113.532	151.739	148.796	134.407	108.299	124.433	128.193	113.968	117.511	109.063	124.760	119.745
22	136.260	152.393	146.180	112.371	120.236	122.307	71.237	114.894	133.862	108.648	124.106	113.096
23	126.177	148.796	147.379	103.836	124.215	117.129	151.303	99.143	114.404	121.980	123.615	115.657
24	135.497	152.502	126.231	98.870	124.651	113.041	133.044	107.155	137.187	116.366	124.269	119.527
25	136.424	136.042	127.158	105.520	124.269	156.263	125.196	118.546	116.748	124.923	123.070	116.802
26	139.312	129.338	144.109	104.103	119.364	146.888	131.464	112.496	140.402	115.712	124.978	110.044
27	131.464	150.377	152.175	101.159	116.257	148.087	110.534	114.022	119.418	122.361	123.997	120.617
28	112.060	139.367	145.798	96.690	106.283	142.964	107.100	117.729	133.153	120.999	125.468	121.271
29	127.703	0.000	153.429	88.296	123.833	131.518	102.904	91.240	110.207	119.854	125.196	123.888
30	141.220	0.000	145.798	95.382	107.373	0.000	113.368	97.508	109.935	112.333	121.489	121.871
31	131.028	0.000	140.457	0.000	102.359	0.000	147.215	144.272	0.000	113.259	0.000	118.546
Average	127.249	141.549	142.229	121.395	107.577	104.875	129.793	119.455	118.232	121.019	122.376	115.970

ANNEX 3.G Data of Extraction at Asososca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1980												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	118.764	115.439	124.542	112.278	122.525	89.932	123.506	123.506	118.928	110.207	99.960	112.278
2	123.179	112.278	115.494	105.683	121.326	80.230	89.714	89.714	157.735	110.207	100.505	108.899
3	125.305	107.482	110.480	94.728	124.487	93.093	118.274	116.639	130.919	105.193	95.927	113.586
4	124.106	109.008	114.676	86.280	133.208	104.866	83.282	83.282	119.473	110.207	109.771	133.426
5	120.018	113.423	119.309	88.296	125.359	101.377	111.406	111.406	123.070	90.586	111.188	103.013
6	122.143	117.347	118.274	72.109	132.227	80.121	90.586	110.752	83.500	106.937	103.231	103.558
7	119.800	109.826	120.290	108.190	125.032	91.458	91.894	110.861	108.245	105.956	107.809	103.667
8	122.198	122.089	123.179	107.057	148.578	100.941	116.530	92.439	94.292	111.951	110.970	80.666
9	122.034	114.840	97.290	115.930	131.246	72.490	88.733	146.834	108.899	111.951	94.619	122.307
10	120.563	104.048	114.131	113.859	120.781	102.031	107.591	100.015	121.544	670.508	96.363	112.387
11	123.561	107.264	115.112	118.056	119.146	85.026	77.287	82.519	83.391	113.477	102.468	128.357
12	122.907	112.801	115.821	119.909	123.506	123.506	98.107	81.320	107.084	70.310	109.553	117.293
13	121.653	117.402	124.215	100.396	123.506	104.103	94.183	121.762	86.334	100.396	106.719	115.766
14	116.039	121.598	119.091	109.553	120.672	90.368	101.813	107.809	106.119	106.828	95.927	101.050
15	123.561	117.565	118.437	122.961	115.876	101.922	109.989	77.614	86.334	68.239	94.292	113.368
16	128.520	120.672	120.508	121.108	113.695	90.804	111.188	118.165	107.918	116.203	111.188	110.207
17	117.674	105.574	109.499	118.928	102.686	76.415	109.335	95.709	107.918	109.771	113.477	118.492
18	109.335	116.312	116.802	123.833	99.306	113.695	106.501	102.359	115.112	99.415	116.748	109.880
19	110.207	113.259	109.935	117.729	102.031	87.969	108.463	125.577	99.671	97.562	103.122	112.823
20	95.000	116.639	114.949	102.250	107.918	121.653	75.761	111.951	106.337	95.208	100.069	120.890
21	98.380	124.814	113.205	114.131	114.458	85.898	113.804	97.126	94.564	99.415	102.359	101.813
22	106.228	115.766	113.695	114.022	99.633	89.823	107.046	99.633	112.060	99.306	92.548	113.259
23	113.314	117.347	101.323	119.037	98.979	107.046	101.922	86.879	102.904	95.927	91.022	114.629
24	105.683	98.925	108.408	111.079	95.382	85.789	112.823	85.135	108.136	90.477	93.856	121.871
25	106.828	121.162	115.385	119.909	73.199	105.738	119.516	105.411	84.645	83.391	109.989	105.084
26	118.001	121.326	117.347	118.492	87.424	74.888	72.163	155.881	110.752	114.240	96.363	99.851
27	102.795	122.416	116.802	90.482	93.202	86.443	91.022	124.160	98.543	105.520	96.145	116.312
28	103.885	126.940	113.096	110.098	99.524	98.434	78.268	105.956	87.097	91.349	108.245	98.652
29	110.970	126.013	115.385	120.018	90.150	79.903	86.443	103.667	99.306	96.254	104.539	113.259
30	117.674	0.000	104.866	121.871	74.670	83.718	84.917	98.434	95.491	102.359	83.718	104.975
31	120.781	0.000	106.446	0.000	76.197	0.000	118.710	127.212	0.000	101.595	0.000	116.312
Average	115.842	115.503	114.451	109.942	110.191	93.656	100.025	106.443	105.544	119.063	102.090	111.223

1981												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	92.112	109.008	112.169	120.890	123.942	84.318	96.151	105.171	78.208	100.445	82.454	92.297
2	104.975	115.221	118.819	124.051	104.757	86.661	93.954	101.634	91.785	102.811	85.577	95.333
3	118.819	115.548	124.051	110.861	65.732	95.109	89.163	93.109	84.743	101.040	92.068	92.297
4	107.918	120.999	123.506	129.283	82.737	73.117	103.994	106.354	113.472	74.518	87.844	95.698
5	112.278	119.255	125.904	109.226	94.292	85.244	75.134	92.537	97.884	111.079	85.206	97.290
6	119.909	120.563	124.923	102.904	64.860	86.656	100.745	106.354	97.519	101.634	88.754	109.215
7	120.999	108.354	120.835	113.368	91.676	72.567	88.923	105.171	88.471	101.939	96.521	92.515
8	118.601	105.520	115.548	114.349	102.795	84.203	85.184	106.059	100.195	93.502	80.263	99.268
9	125.359	109.880	118.492	109.444	96.908	94.744	85.157	111.079	87.768	101.634	84.072	95.611
10	123.833	116.857	126.994	115.330	85.571	81.151	99.116	90.035	95.725	87.768	93.480	105.171
11	114.894	116.639	113.368	110.098	85.571	84.890	100.450	85.577	89.021	104.103	89.316	114.426
12	111.461	113.041	121.435	114.022	77.178	85.833	81.936	111.079	85.795	88.847	95.137	106.354
13	125.795	123.724	124.160	102.140	96.690	100.157	86.781	108.109	80.437	89.158	103.994	103.301
14	120.127	123.070	126.449	104.757	98.107	83.119	105.171	100.445	83.168	101.040	92.521	101.650
15	121.108	120.454	124.487	110.752	85.353	78.633	106.354	104.582	71.814	95.556	86.209	100.593
16	122.852	120.672	115.766	97.780	96.908	89.021	111.079	108.719	83.211	95.840	105.171	101.094
17	110.643	106.283	123.724	92.439	75.434	101.928	107.531	100.282	114.333	100.756	106.343	106.087
18	106.174	110.316	125.359	87.751	92.439	98.543	111.079	99.830	100.445	108.719	96.995	104.038
19	114.349	111.188	127.103	87.206	91.240	87.125	109.820	111.079	86.138	97.148	99.862	99.579
20	108.027	113.586	115.221	110.534	92.003	92.771	95.426	97.192	105.454	103.607	99.355	102.222
21	133.971	101.377	116.094	117.293	94.728	79.450	104.882	92.471	96.739	94.663	92.521	91.654
22	121.653	105.629	95.273	113.695	98.325	96.657	111.079	101.432	95.829	97.023	103.994	111.079
23	125.250	99.197	108.463	112.169	95.600	85.479	111.079	94.739	101.634	104.381	91.572	110.970
24	120.999	119.691	115.439	122.961	113.913	90.384	111.079	116.273	98.058	91.632	106.354	105.171
25	105.193	111.188	105.302	119.909	103.013	86.214	111.079	91.436	100.249	91.082	101.912	98.952
26	109.880	125.904	113.368	115.330	93.747	88.324	111.079	96.963	103.400	94.832	99.851	90.793
27	119.691	123.179	115.221	116.421	97.453	83.397	95.813	88.754	93.534	103.013	103.350	101.040
28	111.406	124.160	112.060	125.795	88.296	71.591	107.531	61.028	84.716	102.222	105.185	95.987
29	117.838	0.000	99.415	131.682	94.728	86.754	100.745	111.079	96.483	99.426	112.485	105.612
30	109.008	0.000	124.160	120.018	105.411	87.315	100.445	102.811	96.875	95.611	92.297	108.719
31	108.790	0.000	123.724	0.000	84.808	0.000	102.064	98.647	0.000	97.726	0.000	107.553
Average	115.610	114.661	117.962	112.082	92.717	86.712	100.001	100.001	93.437	97.831	95.355	101.341

ANNEX 3.G Data of Extraction at Asososca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1982													
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.	
1	101.912	111.074	111.074	111.074	111.074	99.824	84.623	75.374	95.916	84.857	92.940	98.968	
2	87.937	111.074	111.074	111.074	111.074	86.939	103.727	87.528	94.237	102.811	83.211	88.215	97.497
3	100.282	111.074	111.074	111.074	111.074	106.942	98.876	94.205	89.457	106.348	77.870	83.871	91.060
4	93.698	111.074	111.074	111.074	111.074	105.760	70.485	89.746	102.517	83.031	92.243	106.348	
5	111.079	112.889	111.074	111.074	111.074	103.138	97.017	83.211	95.698	101.628	85.048	99.862	105.558
6	111.079	103.127	111.074	111.074	111.074	105.760	97.017	92.068	110.387	89.915	98.423	93.840	101.628
7	111.079	111.074	111.074	111.074	111.074	108.714	85.620	95.840	98.091	100.451	89.261	90.215	106.152
8	111.079	111.074	111.074	111.074	111.085	96.314	82.753	69.155	105.171	102.735	90.885	108.714	
9	97.192	111.074	82.737	111.074	111.074	106.942	84.394	76.366	106.348	100.451	88.972	105.760	
10	111.079	105.661	111.074	106.343	97.017	97.017	92.804	80.829	103.345	79.756	96.314	111.074	
11	94.210	102.217	111.074	81.222	111.074	84.628	99.917	86.814	111.074	89.566	98.140	110.387	
12	111.079	102.811	111.074	97.017	111.074	108.910	87.931	100.620	95.725	92.744	94.657	110.387	
13	111.079	105.171	111.074	102.015	111.074	81.184	94.804	77.499	60.298	86.934	85.119	98.898	
14	111.079	101.922	111.074	96.537	111.074	83.653	92.559	88.117	107.536	92.875	91.392	111.074	
15	111.079	111.074	111.074	101.710	111.074	83.391	92.324	83.495	72.741	93.698	94.668	111.074	
16	111.079	111.074	111.074	111.074	111.074	98.712	88.585	92.433	95.851	91.120	111.074	111.074	
17	111.079	111.074	111.074	111.074	111.074	92.804	88.171	105.171	80.677	86.977	106.403	106.348	
18	111.079	111.074	111.074	95.131	108.120	87.174	76.780	99.862	82.672	115.728	105.171	109.548	
19	111.079	111.074	111.074	98.423	108.714	95.611	74.823	104.359	68.343	102.958	103.536	111.074	
20	111.079	111.074	111.074	111.074	103.634	93.513	77.407	88.329	90.379	97.464	103.127	101.721	
21	111.079	109.008	109.918	118.759	91.392	89.708	96.145	81.315	88.934	96.739	101.334	111.074	
22	111.074	100.276	111.074	111.074	100.582	66.032	92.559	81.685	107.536	103.988	106.256	111.074	
23	111.074	111.074	111.074	110.289	88.346	82.617	91.561	91.567	96.903	102.506	104.980	111.074	
24	111.074	111.074	111.074	111.074	105.760	89.043	94.292	88.231	109.777	85.691	101.089	111.074	
25	94.733	111.074	108.714	110.289	90.618	90.340	75.325	103.988	99.039	91.392	105.760	104.277	
26	111.074	111.074	111.074	105.760	89.403	75.237	92.461	87.174	108.746	97.377	99.099	89.654	
27	111.074	111.074	111.074	111.074	99.824	81.898	104.086	101.459	96.309	89.937	96.096	97.017	
28	113.930	111.074	111.074	111.074	111.074	87.201	90.111	102.811	103.994	91.371	71.384	111.074	
29	104.582	0.000	111.074	111.074	100.729	82.312	85.026	91.011	102.609	99.955	93.698	111.074	
30	100.658	0.000	111.074	111.074	85.866	91.120	83.942	92.297	104.582	101.628	92.995	111.074	
31	111.074	0.000	111.074	0.000	97.017	0.000	94.374	100.980	0.000	84.307	0.000	111.074	
Average	107.154	109.053	110.046	107.427	103.594	91.107	88.422	91.244	96.606	92.890	96.111	106.254	

1983												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	101.628	111.074	111.074	106.348	111.074	150.507	106.942	101.922	111.074	102.124	104.043	129.507
2	95.595	111.074	116.524	106.305	111.074	138.685	111.074	111.074	103.988	94.733	93.921	113.156
3	98.276	111.074	135.339	106.299	111.074	106.348	88.978	111.074	100.086	111.074	110.120	112.398
4	111.074	111.074	111.074	103.792	154.677	106.348	90.248	109.177	107.237	111.074	104.043	89.708
5	111.074	111.074	111.074	108.768	111.074	108.120	110.981	111.074	108.414	108.261	102.522	99.039
6	111.074	111.074	111.074	100.876	111.074	105.465	100.157	103.988	111.074	86.296	101.007	98.412
7	111.074	111.074	111.074	105.171	111.074	105.171	100.451	86.961	111.074	65.503	104.435	114.671
8	111.074	111.074	111.074	119.009	124.700	107.972	102.217	91.142	97.121	99.290	105.563	82.165
9	111.074	111.074	111.074	111.074	114.028	105.760	103.988	99.824	111.074	94.543	110.120	107.297
10	111.074	111.074	111.074	106.942	111.046	98.674	97.987	97.279	102.811	85.479	115.243	105.176
11	121.975	111.074	111.074	99.813	111.074	105.760	106.942	100.745	89.637	68.065	99.933	90.836
12	116.350	111.074	111.074	111.074	144.583	100.451	102.811	97.017	94.472	96.903	117.331	110.305
13	116.524	111.074	111.074	111.074	154.443	98.968	91.518	108.212	105.760	104.043	97.600	110.349
14	124.700	111.074	111.074	111.074	111.074	105.171	105.078	99.857	105.760	107.084	94.848	117.707
15	111.074	111.074	111.074	107.602	111.074	111.074	106.348	99.334	91.338	108.267	109.935	111.641
16	111.570	111.074	106.446	106.446	111.074	101.628	99.562	111.074	95.398	93.796	122.263	101.285
17	95.960	111.074	111.074	111.074	111.074	98.968	95.104	111.074	89.839	106.321	110.245	119.985
18	111.074	111.074	111.799	111.074	111.074	111.074	96.739	111.074	100.729	113.156	113.156	106.321
19	111.074	111.074	105.760	107.602	111.074	111.074	77.685	111.074	92.973	93.785	109.935	113.156
20	111.074	111.074	111.074	111.074	111.074	93.692	106.942	105.171	97.017	110.120	98.636	106.708
21	129.240	111.074	99.721	111.074	111.074	112.643	99.666	98.091	93.927	102.969	96.041	113.156
22	111.074	111.074	111.074	140.141	137.688	111.074	90.379	105.760	91.654	100.712	90.526	122.263
23	111.074	111.074	111.074	147.412	122.901	111.074	101.061	106.348	98.505	100.816	87.495	114.671
24	106.348	111.074	111.074	111.074	111.074	103.056	86.225	108.714	96.232	87.359	113.156	122.263
25	111.074	111.074	110.703	111.074	111.074	103.988	93.245	105.171	99.268	100.718	116.949	109.395
26	111.074	111.074	111.074	111.074	111.074	102.418	101.334	105.171	98.423	100.718	108.599	114.671
27	111.074	111.074	111.074	111.074	143.602	107.536	109.896	106.054	90.030	97.192	116.192	114.916
28	111.074	111.074	111.074	111.074	111.074	101.879	105.171	98.091	101.922	113.156	97.448	122.263
29	111.074	0.000	111.074	111.074	110.965	74.741	102.811	106.942	108.714	101.737	113.919	122.263
30	111.074	0.000	111.074	111.074	98.347	111.074	105.760	105.656	96.194	103.285	90.128	122.263
31	111.074	0.000	111.074	0.000	111.074	0.000	96.903	109.918	0.000	95.104	0.000	122.263
Average	110.956	111.074	111.357	111.288	117.369	107.013	99.813	104.325	100.058	98.828	105.178	110.975

ANNEX 3.G Data of Extraction at Asoscosca Lake

(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1984												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	106.719	122.263	122.263	122.263	135.688	117.767	113.172	122.263	122.263	122.263	121.855	122.263
2	115.276	122.263	122.263	135.437	140.915	119.718	104.800	116.181	122.263	119.718	126.929	122.263
3	117.707	117.135	133.786	138.331	126.885	117.532	109.362	120.781	122.263	122.263	135.432	122.263
4	117.707	122.263	122.263	129.414	141.759	135.432	109.362	116.186	122.263	122.263	112.077	119.718
5	122.252	123.288	122.263	135.497	140.915	122.263	108.490	104.920	122.263	122.263	122.263	122.263
6	122.252	146.398	122.263	135.704	117.173	128.847	122.252	110.120	122.263	122.263	116.126	122.263
7	122.252	122.263	122.263	129.943	144.207	122.263	117.729	116.192	114.622	122.263	122.263	122.263
8	122.252	122.263	122.263	129.943	142.403	122.263	102.522	119.625	98.113	122.263	122.263	122.263
9	117.707	122.263	122.263	133.235	146.403	122.263	110.850	122.263	125.049	122.263	122.263	122.263
10	122.252	122.263	137.617	135.433	143.078	122.263	122.263	116.192	122.263	122.263	122.263	122.263
11	118.601	122.263	99.066	124.117	137.628	121.282	118.492	113.156	117.707	122.263	122.263	122.263
12	122.252	142.037	115.957	140.915	130.335	122.263	111.641	123.135	128.847	133.786	122.263	122.263
13	122.252	122.263	122.263	135.878	130.690	122.263	115.325	107.438	128.847	122.263	122.263	122.263
14	122.252	122.252	133.240	136.533	135.432	122.263	119.222	122.263	122.263	122.263	122.263	128.842
15	120.236	122.263	128.575	133.191	135.432	122.263	108.872	122.263	92.155	126.896	137.955	122.263
16	120.563	119.691	142.021	121.424	135.432	120.127	117.707	122.263	145.302	122.263	148.600	139.803
17	122.252	121.397	122.263	146.403	135.432	114.213	82.388	122.263	122.263	122.263	165.207	128.847
18	122.252	122.252	122.263	138.467	135.432	122.263	127.409	114.671	122.263	122.263	122.263	128.842
19	122.252	137.078	132.139	145.302	135.432	128.815	133.818	122.263	122.263	122.263	122.263	148.594
20	122.252	138.724	116.857	133.235	135.432	122.263	130.859	120.993	122.263	122.263	122.263	110.621
21	122.252	117.707	135.432	122.263	134.336	114.622	111.373	122.263	122.263	122.263	122.263	90.422
22	122.258	122.263	136.527	122.263	135.432	122.263	103.127	122.263	126.656	122.263	122.263	127.447
23	122.252	122.263	134.063	137.628	132.134	118.481	109.428	144.207	140.920	122.263	122.263	114.458
24	122.252	122.263	128.847	133.148	132.679	104.920	122.263	122.263	122.263	122.263	122.263	111.248
25	119.713	122.263	142.555	138.762	133.235	122.263	122.263	116.186	113.156	122.263	115.892	118.464
26	122.252	122.263	137.628	143.111	131.044	113.150	122.263	94.548	116.192	122.263	122.263	133.240
27	122.252	122.263	133.780	135.900	119.228	110.109	116.192	122.263	122.263	122.263	122.263	104.288
28	122.252	122.263	122.863	140.915	109.880	108.594	117.707	122.263	135.066	122.263	122.263	122.252
29	122.252	122.263	121.713	122.263	131.044	105.563	104.043	122.263	117.173	122.263	122.263	122.252
30	122.252	0.000	138.718	140.915	122.263	117.729	100.614	110.719	117.173	122.263	122.263	122.252
31	118.437	0.000	135.426	0.000	122.263	0.000	111.259	122.263	0.000	122.263	0.000	110.872
Average	120.644	124.438	127.474	133.928	133.214	119.544	113.776	118.611	121.698	122.702	124.920	121.674

1985												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	122.263	122.252	110.371	108.681	114.731	160.405	97.944	128.030	124.923	129.392	95.655	129.392
2	112.060	122.252	136.151	124.324	95.491	112.714	119.418	126.122	124.923	126.449	123.397	111.461
3	108.599	122.579	118.274	130.101	128.357	107.046	115.712	106.937	124.923	109.172	129.392	120.835
4	118.437	97.889	100.723	124.378	124.705	109.063	135.878	132.172	128.084	130.810	111.243	118.655
5	122.263	122.252	127.975	124.215	118.928	120.835	124.160	124.215	79.085	129.392	123.016	113.259
6	122.263	122.252	145.580	110.698	118.819	95.273	132.281	129.883	121.217	129.392	129.392	120.617
7	128.766	108.572	112.714	159.097	132.281	114.458	161.332	126.122	129.392	104.920	111.243	129.392
8	138.713	128.139	119.909	93.038	141.165	108.572	129.992	128.030	129.392	128.520	123.942	129.392
9	140.495	108.790	117.892	118.492	90.150	139.803	130.047	124.160	108.354	129.392	129.392	112.660
10	122.263	146.997	128.030	127.921	116.584	110.807	126.122	107.155	117.729	111.243	129.392	129.392
11	126.667	123.942	112.714	116.203	139.149	112.442	129.992	136.042	120.290	129.392	113.205	129.392
12	124.449	126.395	102.686	139.966	157.462	108.463	132.009	132.009	109.989	122.634	129.883	108.027
13	126.667	128.248	152.284	133.807	109.008	90.913	99.034	132.009	126.122	129.392	129.392	127.594
14	122.263	118.492	111.624	147.433	116.366	118.383	171.034	130.101	124.542	105.356	111.243	127.539
15	122.263	124.487	128.956	120.508	128.139	121.980	128.520	124.269	129.392	125.087	111.243	129.392
16	126.651	139.912	133.807	132.281	101.050	149.722	134.352	112.115	110.316	129.392	127.594	113.205
17	113.205	134.025	137.786	149.722	124.269	103.067	134.298	124.923	129.392	111.243	129.392	124.542
18	110.120	124.487	116.475	118.601	120.345	124.215	118.492	130.101	121.217	127.539	111.243	129.392
19	118.464	136.151	122.361	132.172	124.324	110.698	135.442	118.492	121.217	129.392	126.994	114.077
20	121.598	132.281	112.496	132.390	98.707	108.953	124.487	124.923	128.575	129.392	129.392	129.392
21	102.713	107.046	110.698	155.554	128.193	123.615	113.641	130.101	121.598	113.205	111.840	129.392
22	105.574	135.551	141.819	106.610	124.978	128.139	122.252	130.101	123.179	129.392	126.122	129.392
23	116.159	126.013	133.916	142.037	105.084	126.231	131.900	129.992	110.970	129.392	129.392	112.224
24	115.439	122.089	159.097	138.222	124.215	94.237	124.106	121.108	100.342	121.271	129.392	129.392
25	122.263	99.688	102.686	106.828	124.215	118.383	128.030	129.992	121.653	129.392	87.806	129.392
26	122.263	118.873	139.421	128.357	130.101	120.454	124.106	128.139	125.196	129.392	123.942	107.809
27	122.263	117.674	143.564	151.576	116.802	103.176	110.589	124.923	127.594	129.392	129.392	126.994
28	122.263	76.415	104.811	126.340	120.890	126.449	124.160	124.923	120.236	112.823	100.342	129.392
29	125.850	0.000	128.248	85.517	140.130	64.969	126.177	124.923	124.106	129.392	123.942	129.392
30	119.151	0.000	128.139	110.698	116.475	137.459	122.252	129.992	101.922	128.738	129.392	111.243
31	115.685	0.000	161.059	0.000	88.351	0.000	128.030	124.923	0.000	107.645	0.000	129.392
Average	120.584	121.205	125.880	126.526	119.983	115.697	126.961	125.707	119.529	123.469	120.674	122.956

ANNEX 3.G Data of Extraction at Asososca Lake
 (EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 (1,000 m3).

DIA	1986											
	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	129.392	107.536	118.601	123.179	122.252	107.046	93.093	118.710	118.710	106.828	126.613	118.710
2	113.259	107.482	134.570	121.762	122.252	93.474	102.250	126.504	128.520	104.702	124.596	128.520
3	128.575	106.719	102.686	111.679	124.923	130.483	87.315	122.579	130.265	112.496	120.726	130.374
4	129.392	107.482	129.392	120.399	122.689	116.693	103.285	106.664	112.823	121.653	118.819	118.710
5	129.392	105.247	129.392	122.252	124.923	84.427	104.048	120.345	130.374	126.122	116.802	122.634
6	119.309	107.482	100.614	120.890	124.923	109.063	102.740	128.248	132.390	106.828	114.840	114.622
7	129.392	129.392	123.724	116.203	132.390	101.159	93.311	110.589	132.336	122.470	106.828	110.589
8	128.520	107.536	129.392	123.452	126.613	113.205	111.188	120.508	112.823	126.504	144.054	122.634
9	113.205	107.482	117.783	123.125	130.483	110.480	95.491	128.248	126.613	81.483	122.579	122.579
10	127.812	125.632	130.973	109.935	126.231	98.816	94.946	126.231	134.407	128.248	118.928	120.672
11	129.392	110.207	128.629	129.392	122.361	95.055	105.574	108.953	114.840	128.248	132.118	118.492
12	129.392	110.207	107.536	122.252	116.584	97.399	112.932	120.454	130.483	126.068	126.613	113.968
13	111.243	104.266	116.039	122.252	128.629	96.145	105.029	126.286	126.504	102.686	109.063	116.475
14	129.392	107.264	129.392	120.672	122.252	110.970	107.046	104.811	120.454	97.726	128.520	124.596
15	129.392	110.207	107.536	122.252	122.252	112.932	112.605	117.783	110.589	93.365	128.466	66.168
16	125.359	111.134	105.629	120.726	128.520	112.932	122.470	120.345	114.731	70.310	122.634	120.835
17	123.997	102.304	114.022	124.324	126.613	109.063	126.286	116.693	126.885	122.307	120.672	120.508
18	129.392	110.207	103.067	122.252	113.041	120.672	128.139	99.306	122.579	126.722	126.613	120.508
19	129.392	110.207	129.392	122.252	130.265	74.180	124.269	130.374	129.392	102.795	130.374	122.579
20	129.392	106.773	128.139	122.252	122.252	86.334	126.286	124.596	132.336	106.719	124.596	126.395
21	129.283	110.207	121.053	122.252	122.252	114.840	83.173	105.193	130.483	119.364	124.596	122.579
22	128.793	110.262	124.923	124.923	122.252	111.079	108.735	124.596	114.840	117.020	124.487	121.435
23	129.392	133.644	129.338	120.999	122.252	111.079	98.925	118.056	124.596	99.306	120.399	122.143
24	107.536	105.683	133.044	122.252	122.252	106.283	81.374	117.729	126.504	122.361	122.470	120.399
25	107.482	111.842	123.125	122.252	122.252	81.701	116.693	109.444	99.524	126.068	110.698	118.492
26	126.722	129.392	103.067	122.252	122.252	107.427	136.151	122.252	116.475	126.122	124.269	112.605
27	107.536	103.667	103.340	117.402	122.252	90.695	105.084	132.281	122.252	110.698	118.492	120.454
28	107.536	102.031	121.598	122.252	124.051	95.818	118.492	110.916	126.177	120.345	122.361	110.698
29	106.773	0.000	123.179	122.252	101.541	92.820	120.345	120.781	106.555	114.513	124.378	104.920
30	107.536	0.000	123.179	112.769	122.252	106.828	126.286	106.501	124.269	110.807	120.399	116.639
31	107.536	0.000	123.179	0.000	116.802	0.000	108.626	126.449	0.000	124.596	0.000	126.504
Average	121.959	110.768	119.856	121.037	122.931	103.303	108.458	118.465	122.658	113.080	122.567	117.982

DIA	1987											
	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	126.613	110.807	118.492	124.269	124.923	123.888	104.811	118.383	130.483	96.908	121.653	120.508
2	120.563	118.873	116.366	109.172	120.127	122.361	93.147	97.072	116.475	110.698	121.653	120.345
3	112.605	120.672	110.207	113.314	97.072	118.492	111.406	99.034	103.067	116.475	110.807	116.475
4	124.705	118.274	110.207	141.710	122.907	116.530	106.828	116.366	118.710	116.475	116.584	110.807
5	113.096	114.458	111.897	124.596	95.546	124.978	120.345	116.475	118.710	99.034	110.970	124.269
6	118.928	112.333	119.091	118.710	101.159	123.724	100.778	102.795	124.651	118.383	124.542	114.513
7	111.188	123.343	128.466	126.449	112.605	124.596	116.584	114.458	122.634	112.605	124.487	112.714
8	110.970	130.374	126.504	124.160	116.366	122.525	110.970	104.702	122.634	99.034	120.563	110.698
9	108.735	120.617	110.970	118.383	120.345	121.053	110.534	116.366	118.710	106.664	105.084	124.215
10	118.928	116.366	122.470	108.735	128.520	124.923	122.416	93.038	118.710	114.622	112.823	104.920
11	122.743	120.726	128.248	124.487	94.673	124.923	115.548	116.475	99.034	132.499	128.520	114.513
12	118.819	120.072	133.371	118.328	119.200	122.198	100.996	112.442	124.487	101.268	108.953	110.807
13	107.046	118.819	120.454	114.622	123.724	124.923	124.923	100.669	110.698	118.710	118.710	120.726
14	124.705	122.634	124.487	110.807	117.129	124.978	106.719	116.475	110.698	118.819	120.617	99.143
15	118.819	122.634	116.475	125.436	124.923	124.923	124.923	116.366	96.799	103.176	124.160	103.067
16	128.357	116.857	122.252	112.496	123.070	124.923	108.626	108.572	108.844	118.710	106.828	112.823
17	124.596	120.726	126.286	110.698	119.691	112.660	124.923	110.698	99.143	126.449	118.492	99.415
18	122.525	122.470	126.340	114.622	122.252	124.923	124.923	122.961	110.698	112.878	124.269	120.181
19	106.719	106.283	122.470	122.361	124.978	124.978	124.923	95.600	128.738	105.084	100.832	118.492
20	128.520	124.269	120.508	110.698	122.252	118.383	124.923	101.050	128.520	129.392	118.383	107.046
21	128.357	124.378	116.366	118.437	122.252	118.383	124.923	114.567	99.306	114.731	120.399	104.811
22	124.596	126.395	122.361	112.496	122.252	114.513	124.978	114.458	114.622	98.816	120.508	114.567
23	118.710	122.470	114.731	108.572	118.492	104.811	94.946	118.492	114.622	107.918	108.735	120.399
24	118.546	126.286	101.050	122.252	124.378	120.726	116.366	100.941	102.958	111.352	112.714	114.622
25	124.378	106.010	130.374	120.236	112.878	102.686	102.577	110.589	112.605	110.207	109.499	114.622
26	124.596	94.455	112.605	116.475	108.953	118.492	114.458	108.572	118.383	109.826	97.181	110.698
27	118.710	118.492	126.286	118.328	124.542	114.567	112.605	99.034	110.589	122.252	124.378	110.698
28	108.790	126.449	124.378	118.383	116.857	118.383	114.785	116.693	99.034	122.252	122.634	120.726
29	120.617	0.000	130.156	116.639	114.785	108.681	110.589	112.823	110.589	113.041	133.480	122.361
30	118.601	0.000	114.622	122.252	111.079	126.286	99.088	122.579	114.458	122.252	112.932	120.508
31	118.601	0.000	118.492	0.000	120.617	125.904	116.475	96.799	0.000	121.653	0.000	110.970
Average	119.151	118.805	120.225	118.271	117.050	120.139	113.259	109.534	113.654	113.296	116.713	113.892

**ANNEX 3.G Data of Extraction at Asososca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).**

												1988
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	108.463	116.584	118.383	104.103	121.707	101.268	83.882	85.898	86.552	80.502	85.844	74.670
2	116.475	122.361	117.892	96.908	106.446	92.439	103.994	85.844	86.552	85.844	85.844	77.832
3	113.041	114.567	106.719	108.953	125.959	86.552	55.376	83.173	86.552	85.844	78.649	78.649
4	99.633	114.731	118.383	111.679	112.714	86.552	90.640	83.173	86.552	85.844	82.247	85.844
5	120.508	118.710	96.690	107.046	106.828	113.641	72.763	83.446	86.552	85.844	71.945	85.789
6	120.563	116.475	99.306	102.413	113.477	111.406	85.844	84.045	92.003	81.374	91.240	85.844
7	129.392	112.605	100.669	115.439	102.250	138.004	85.844	85.844	86.607	79.848	85.844	85.789
8	110.698	110.698	102.904	117.783	120.508	111.188	83.609	85.844	86.552	72.109	81.647	85.844
9	122.689	122.361	104.702	112.551	120.181	99.742	79.249	85.844	84.045	85.844	79.685	85.789
10	116.857	122.634	122.361	115.821	89.278	94.782	85.517	78.322	86.552	85.844	85.789	85.844
11	118.819	116.475	105.574	104.157	114.186	96.527	72.763	85.844	71.509	81.320	81.756	85.844
12	114.458	122.361	92.929	96.363	121.653	101.922	85.789	84.917	65.623	112.333	81.756	85.789
13	116.475	118.110	112.769	113.641	117.947	86.988	85.789	85.789	86.552	85.844	79.739	85.789
14	110.698	104.321	103.067	121.707	118.328	92.275	81.701	85.844	85.844	83.173	85.844	72.436
15	108.245	121.653	102.958	96.799	114.785	94.183	75.870	85.844	70.310	82.247	80.448	85.081
16	128.520	116.584	106.719	115.821	98.271	93.147	81.756	85.789	85.135	85.844	85.844	85.844
17	122.525	122.252	99.034	112.878	101.432	92.221	78.431	85.844	85.844	85.844	81.811	86.552
18	118.819	110.698	94.946	121.653	117.347	90.749	77.832	85.844	86.552	85.789	85.844	86.552
19	116.475	112.932	115.821	116.748	85.408	86.552	79.739	85.844	86.552	85.844	87.261	85.026
20	120.454	120.563	98.925	124.324	81.429	86.552	77.832	85.844	86.552	82.192	68.294	86.552
21	120.508	122.689	105.084	121.653	77.232	102.086	81.756	85.789	81.156	85.789	69.002	86.552
22	118.492	116.475	89.060	115.821	107.863	86.552	73.962	86.552	86.552	81.811	81.047	86.334
23	118.492	114.458	114.567	121.653	83.827	86.552	74.016	96.745	86.552	83.119	73.853	82.247
24	114.458	104.702	97.181	121.653	85.789	86.552	83.664	84.754	82.792	81.701	85.844	76.469
25	116.475	114.622	112.878	121.653	100.832	86.552	74.071	86.552	85.844	75.979	71.509	97.453
26	114.567	114.622	114.458	121.653	85.844	86.552	85.789	86.552	85.789	74.125	75.434	85.844
27	118.383	118.328	116.584	121.653	85.844	86.552	85.844	86.552	85.844	91.512	91.512	85.844
28	116.748	116.421	103.067	112.769	88.624	86.552	85.844	86.552	85.844	85.844	82.519	85.844
29	115.003	120.617	102.250	121.653	117.620	77.505	85.844	85.789	85.844	79.848	72.272	85.898
30	120.399	0.000	118.764	121.653	108.681	86.607	85.844	73.962	85.844	81.701	80.993	79.903
31	126.231	0.000	108.517	0.000	114.349	0.000	85.844	83.119	0.000	95.382	0.000	100.941
Average	117.212	116.573	106.554	113.953	104.730	94.292	81.506	85.218	84.369	84.392	81.044	84.861

												1989
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	105.574	73.962	90.640	85.844	98.761	102.511	90.586	86.552	85.844	98.396	111.068	113.750
2	85.844	83.718	90.586	87.370	90.379	110.550	79.260	86.569	85.822	94.619	110.534	117.178
3	87.315	87.479	90.640	88.951	96.745	100.614	111.690	86.569	86.569	93.463	107.896	110.785
4	85.789	85.626	90.640	85.844	96.745	116.355	66.059	86.552	79.358	103.127	106.474	116.949
5	90.586	89.659	90.586	82.628	96.450	100.609	119.794	86.569	83.860	106.010	105.558	107.765
6	90.586	87.533	124.869	95.764	102.250	100.124	69.285	86.569	83.860	98.827	109.787	108.501
7	89.496	85.789	85.844	85.844	100.963	88.787	90.586	86.552	86.552	97.464	99.383	107.765
8	89.496	85.626	85.898	88.078	96.450	99.486	90.749	86.569	60.456	98.396	105.558	117.789
9	85.408	90.586	85.898	110.114	93.856	90.586	90.586	86.569	107.618	103.470	110.033	107.765
10	85.844	90.586	82.574	85.844	85.822	90.586	106.991	86.552	85.789	104.773	106.773	110.643
11	93.529	90.586	85.898	85.844	96.450	103.470	78.671	93.294	85.822	97.208	108.419	111.908
12	88.296	90.586	93.420	85.844	96.799	105.629	116.153	86.569	85.822	106.964	105.029	104.043
13	77.886	74.561	96.472	85.844	105.558	96.309	112.769	86.569	85.822	106.375	111.390	108.196
14	81.756	73.962	85.844	85.844	116.224	90.586	95.693	85.822	85.822	106.375	114.033	108.207
15	85.626	72.436	85.844	85.844	121.675	90.586	95.360	85.822	85.822	97.617	109.662	108.207
16	86.607	73.308	85.844	114.240	95.475	104.157	115.652	85.822	85.822	102.707	112.502	108.207
17	77.832	73.144	85.844	98.145	103.525	85.822	121.364	85.822	85.844	115.761	114.033	108.005
18	87.533	81.483	85.844	85.844	110.698	97.230	107.357	85.822	100.925	99.432	111.243	108.207
19	85.844	85.244	94.782	85.844	100.603	105.084	123.441	85.822	93.660	96.576	111.390	106.392
20	90.586	85.299	85.844	90.586	100.609	95.458	106.348	85.844	90.586	118.246	110.114	107.765
21	99.797	79.031	85.844	90.586	114.922	84.034	104.898	85.844	88.553	102.086	111.243	111.635
22	110.371	81.756	85.844	90.586	107.079	86.591	105.422	85.844	99.928	106.773	114.082	106.610
23	91.512	73.144	85.844	104.043	100.609	100.609	116.366	85.844	90.586	106.773	117.707	107.765
24	87.479	87.533	85.844	104.043	100.609	96.450	94.581	86.220	90.586	105.754	113.930	107.765
25	89.005	106.610	85.844	85.844	90.586	85.844	85.822	85.822	90.379	106.692	117.783	118.802
26	85.844	85.844	85.844	85.844	105.645	108.158	86.552	86.607	97.780	105.602	115.761	105.536
27	77.832	90.586	85.844	82.247	110.218	97.230	86.569	93.954	94.564	106.119	106.773	108.283
28	81.701	90.586	87.479	85.844	90.913	90.586	86.552	104.043	115.603	105.602	105.629	106.773
29	77.832	0.000	80.448	85.844	108.414	90.586	86.552	85.844	106.610	107.765	106.593	105.383
30	83.773	0.000	85.898	112.605	113.150	90.586	86.552	85.822	89.997	110.262	107.863	104.904
31	81.701	0.000	85.844	0.000	110.098	0.000	86.552	85.822	0.000	105.602	0.000	109.553
Average	87.686	84.152	88.529	90.921	101.880	96.840	97.252	87.242	89.875	103.704	109.941	109.324

ANNEX 3.G Data of Extraction at Asosoca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1990												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	116.802	101.323	86.569	105.558	115.162	114.676	109.133	106.735	108.071	85.822	84.034	85.822
2	98.620	104.904	97.235	107.084	114.676	107.100	111.096	106.348	114.671	82.247	95.169	91.899
3	97.971	119.544	112.856	105.558	107.084	107.079	106.719	106.719	116.966	56.324	84.045	94.930
4	117.783	102.522	99.688	112.371	105.242	107.079	106.882	106.752	107.079	85.844	94.930	95.584
5	103.754	98.625	99.197	107.084	107.100	107.100	106.719	114.360	107.079	85.822	85.822	75.450
6	102.522	96.450	105.558	105.558	114.671	107.079	106.719	106.719	100.996	78.671	96.450	85.822
7	106.174	103.994	96.799	105.247	114.666	107.079	108.599	106.337	107.079	60.788	93.011	84.034
8	106.931	105.716	105.242	111.215	108.626	107.100	114.202	106.730	110.627	85.822	85.822	97.230
9	85.822	102.522	110.114	105.558	105.558	107.079	116.257	106.555	114.671	62.930	97.235	96.472
10	109.444	97.235	108.245	98.979	114.666	114.671	114.186	106.735	107.079	86.182	97.235	85.822
11	102.091	108.599	109.722	105.558	107.100	107.100	108.229	105.645	114.671	85.822	97.235	85.822
12	111.363	97.971	110.114	103.950	107.100	107.079	106.719	114.202	107.079	85.822	85.822	96.472
13	96.745	98.620	108.463	103.885	116.987	105.563	106.882	106.735	107.079	85.817	97.235	85.822
14	106.375	105.934	110.114	84.536	114.676	107.100	105.242	106.893	107.095	96.472	97.235	90.182
15	106.610	85.822	110.114	102.402	105.558	107.079	110.114	108.027	90.727	96.450	85.767	92.657
16	99.197	110.643	111.679	105.574	107.084	107.079	106.735	108.071	107.100	96.450	97.235	113.150
17	105.340	113.488	108.746	101.007	114.676	114.671	106.735	105.416	108.021	102.522	96.472	85.822
18	96.450	108.643	114.671	98.118	107.079	104.043	106.735	106.882	107.079	97.922	96.450	85.844
19	86.552	107.373	105.574	104.048	107.084	106.697	106.719	116.421	107.079	96.450	85.822	93.414
20	101.056	114.922	106.550	114.671	114.671	107.079	106.893	87.697	107.084	97.235	97.235	85.822
21	104.157	116.355	105.563	104.043	114.671	107.079	107.079	107.046	107.079	77.777	97.230	85.822
22	95.164	113.477	104.048	114.671	105.918	107.084	101.650	106.882	108.060	96.450	85.822	88.629
23	102.631	117.783	104.043	104.043	100.195	105.563	106.910	106.719	114.671	95.600	95.600	101.034
24	105.602	107.765	105.416	100.418	106.550	110.098	107.079	106.735	107.100	106.463	97.230	101.759
25	106.392	105.558	104.152	117.707	105.558	104.043	106.882	106.882	107.079	85.822	105.383	101.759
26	102.936	94.564	105.558	105.558	107.079	107.079	106.893	114.671	107.079	85.822	97.235	94.935
27	106.931	88.536	102.031	105.563	109.226	105.629	106.893	104.103	107.079	95.268	102.653	85.844
28	104.157	112.665	104.043	117.729	107.084	102.745	106.719	109.826	106.256	95.453	113.156	85.822
29	103.590	0.000	105.558	117.729	107.095	105.291	114.671	110.627	73.390	86.062	93.420	85.822
30	105.383	0.000	121.468	110.877	107.100	105.411	106.893	107.046	86.569	92.700	102.173	111.635
31	105.383	0.000	105.558	0.000	109.068	0.000	106.719	107.100	0.000	95.600	0.000	99.121
Average	103.224	105.055	105.958	106.210	109.323	107.318	108.061	107.342	106.056	87.885	94.672	91.944

1991												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	107.831	107.084	108.299	98.581	112.109	108.299	93.409	97.061	124.351	105.084	85.822	66.675
2	85.822	85.822	104.366	97.235	85.822	115.281	97.061	85.822	123.381	97.061	82.247	77.843
3	85.822	97.061	103.994	96.472	104.800	104.043	97.061	85.822	97.061	97.061	105.084	74.485
4	85.822	97.061	96.418	96.450	108.299	91.785	97.061	105.089	97.061	85.822	85.822	66.675
5	97.230	109.199	93.414	107.079	105.160	107.765	97.061	105.095	97.061	97.061	85.822	77.843
6	97.235	96.450	107.079	108.626	85.822	86.334	96.450	97.061	97.061	89.201	57.213	85.822
7	85.822	93.414	94.935	113.532	97.235	86.334	124.351	93.850	106.692	93.850	85.822	77.843
8	85.822	97.061	107.051	108.626	107.079	97.061	94.652	97.061	116.192	93.850	85.822	71.460
9	107.100	103.503	99.470	97.235	97.235	116.322	96.450	85.822	106.692	85.822	71.460	78.606
10	85.822	103.994	95.175	105.792	87.043	86.334	96.450	97.061	93.850	105.084	70.517	76.246
11	100.505	102.511	95.180	96.450	102.587	97.061	97.971	114.676	97.061	83.140	70.419	62.494
12	105.558	96.450	96.450	97.235	113.401	97.061	97.061	97.061	106.692	85.822	73.853	68.272
13	122.263	101.901	103.841	99.470	96.690	97.807	85.822	95.458	97.061	98.663	86.939	66.675
14	93.365	93.414	90.700	114.715	106.719	97.061	104.043	97.061	99.486	85.822	69.067	77.843
15	85.844	89.005	107.079	97.072	93.905	97.061	106.692	92.439	124.345	85.822	73.193	68.266
16	97.083	107.079	102.124	97.061	95.655	114.845	97.061	97.061	97.061	85.822	44.007	77.843
17	85.844	107.079	113.537	103.481	112.671	93.485	96.445	100.467	97.061	85.822	69.863	55.507
18	107.863	107.079	97.230	97.072	105.563	97.061	94.395	124.351	106.692	85.822	85.822	68.266
19	103.754	103.961	97.230	114.715	111.630	102.680	96.445	93.850	97.061	92.243	54.766	76.246
20	103.754	85.822	102.015	93.414	94.003	95.453	96.445	93.414	106.692	105.084	66.675	60.516
21	85.844	96.450	123.315	97.061	87.969	97.061	122.743	97.061	97.061	97.061	77.843	71.667
22	95.600	94.930	102.124	97.061	105.563	97.480	87.430	97.061	98.118	85.822	100.309	76.246
23	97.404	100.435	108.643	97.061	85.964	124.727	85.822	97.061	97.061	85.822	77.843	85.108
24	85.822	101.443	93.414	107.030	96.450	93.850	97.061	105.089	85.822	85.822	66.675	80.224
25	85.822	118.421	110.272	113.112	96.450	94.172	97.061	116.322	97.061	85.822	77.843	79.821
26	85.822	104.386	106.724	96.696	100.287	105.095	97.061	93.850	97.061	85.822	66.675	79.440
27	103.754	104.386	106.980	122.263	105.563	87.991	101.879	97.061	91.877	65.606	74.654	55.501
28	85.822	82.247	85.822	122.263	105.563	97.061	116.322	97.061	97.061	97.061	66.702	79.821
29	106.343	0.000	97.235	97.061	111.324	97.061	91.894	97.061	116.322	82.247	97.115	75.450
30	96.445	0.000	97.235	108.626	102.522	116.322	97.061	97.061	87.501	85.822	74.654	73.052
31	94.930	0.000	114.349	0.000	96.450	0.000	97.061	97.061	0.000	85.822	0.000	53.910
Average	95.283	99.559	101.991	103.285	100.566	99.998	98.509	98.301	101.785	89.893	76.352	72.441

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1992												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	85.822	74.654	85.822	77.848	85.822	57.894	47.522	47.527	35.640	47.582	42.410	47.527
2	85.822	85.822	73.057	85.822	85.822	37.624	47.522	55.507	47.527	47.527	37.624	47.527
3	50.656	85.822	85.822	85.822	85.822	84.034	37.624	33.662	49.947	46.372	39.608	47.522
4	79.821	47.527	85.822	85.822	85.822	85.822	47.522	47.527	37.624	47.527	39.603	47.527
5	85.822	85.822	85.822	85.822	69.067	66.675	47.527	47.527	36.638	47.527	47.527	50.716
6	74.654	65.078	85.822	61.884	85.822	61.175	47.527	47.527	45.603	60.292	47.527	63.481
7	71.460	52.313	85.822	68.272	85.822	51.517	39.603	33.662	47.522	58.695	47.522	50.716
8	57.104	78.617	74.654	85.822	73.057	58.570	47.527	47.527	39.608	38.616	60.292	47.527
9	69.869	77.843	77.843	70.277	85.822	47.522	38.611	59.524	47.522	37.624	37.624	47.522
10	55.501	58.652	68.272	78.671	84.928	63.486	35.640	47.527	47.527	39.221	31.683	47.527
11	74.654	58.695	85.822	78.671	85.822	44.007	47.527	47.527	35.646	43.238	47.527	47.527
12	65.078	85.822	69.869	85.822	82.574	47.495	37.624	33.662	57.098	36.638	37.624	47.527
13	60.292	79.854	85.822	84.023	85.822	47.527	47.522	47.527	58.695	33.662	37.624	57.485
14	64.669	68.266	68.266	65.328	85.822	58.695	47.527	27.726	61.889	47.527	47.527	58.695
15	66.675	85.822	84.034	85.822	69.863	47.522	34.654	31.683	47.527	38.616	53.910	47.522
16	65.078	85.822	74.654	85.822	85.822	52.313	47.527	57.098	35.646	36.638	37.624	47.527
17	62.685	76.126	58.695	85.822	85.822	47.517	47.527	41.587	47.527	47.522	39.608	47.527
18	73.057	59.889	85.822	85.822	85.822	47.522	36.632	47.527	33.662	58.570	47.527	47.527
19	66.675	79.827	82.634	79.440	54.537	47.527	54.706	47.527	39.608	47.522	38.611	47.527
20	73.057	85.822	82.628	73.057	85.822	47.527	37.624	44.557	65.214	47.527	50.716	60.292
21	52.313	58.695	68.272	61.889	85.822	47.527	27.721	47.522	47.527	47.527	58.695	49.119
22	85.822	77.848	85.822	85.822	69.067	50.716	35.646	47.527	38.616	47.527	58.695	47.527
23	61.857	85.822	85.822	85.822	85.822	47.527	47.527	61.115	47.527	39.603	47.527	47.527
24	53.910	85.822	58.695	58.695	74.654	50.776	27.721	47.527	46.536	39.603	46.536	49.119
25	63.486	55.507	79.636	85.822	56.581	85.822	37.624	47.527	47.527	47.527	51.517	55.507
26	73.057	73.057	85.822	85.822	58.695	54.706	33.662	36.632	47.527	39.603	58.695	47.527
27	85.822	85.822	68.272	82.247	65.078	55.507	47.522	47.527	43.211	39.603	47.527	47.527
28	47.527	59.894	85.822	71.460	49.315	73.057	47.527	45.544	37.624	47.527	47.527	47.527
29	66.675	81.037	85.822	85.822	57.104	47.527	33.662	47.527	37.624	37.624	66.675	47.527
30	85.822	0.000	73.090	73.308	47.527	33.667	47.527	52.324	50.334	39.603	47.527	47.527
31	52.313	0.000	66.152	0.000	57.098	0.000	47.527	33.662	0.000	47.527	0.000	55.501
Average	68.292	73.848	78.395	79.080	75.558	54.960	42.231	45.432	45.391	44.572	46.688	49.958

1993												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	55.507	50.716	55.501	65.078	55.507	47.260	47.260	47.527	39.608	39.608	27.813	28.593
2	50.716	53.910	57.104	58.695	68.146	47.527	35.640	37.624	47.527	47.260	25.884	28.091
3	57.098	47.527	47.527	61.884	54.515	45.108	31.683	37.417	39.603	45.544	25.671	25.590
4	47.527	47.527	49.560	60.292	66.675	55.294	33.476	35.640	37.624	47.527	28.320	27.862
5	47.527	51.130	57.104	58.695	56.902	52.962	33.662	37.624	47.260	47.260	24.320	26.751
6	47.527	47.527	47.527	65.078	55.501	68.272	47.527	35.640	37.624	47.527	26.320	25.993
7	47.527	47.527	55.501	55.507	65.078	74.578	37.417	31.509	33.667	47.527	27.737	29.345
8	47.527	47.527	49.124	65.078	60.118	69.863	29.699	23.764	47.260	36.430	28.255	27.759
9	47.527	47.527	53.910	65.078	68.266	61.889	37.624	35.444	37.624	35.640	25.513	27.067
10	50.716	47.527	55.501	55.501	57.098	55.087	37.417	25.742	34.654	37.624	29.121	27.088
11	50.716	47.527	57.104	66.675	62.968	60.292	374.170	30.697	37.624	37.417	27.726	28.266
12	47.527	47.527	52.313	55.501	58.695	53.910	37.624	21.660	47.527	37.624	28.538	29.165
13	47.527	47.527	55.501	65.078	55.507	55.294	35.444	29.699	47.527	35.646	26.026	29.165
14	47.527	59.464	57.104	55.501	55.507	47.527	37.624	47.527	41.352	29.541	28.838	28.691
15	47.527	47.527	57.104	57.098	57.158	47.527	47.527	37.417	39.603	29.541	25.671	26.402
16	47.527	47.527	57.098	64.587	65.078	43.325	35.444	37.624	33.667	29.138	29.449	28.151
17	47.527	53.910	57.104	55.294	56.902	33.662	37.417	27.721	31.509	26.658	27.988	28.462
18	47.527	47.527	47.522	63.481	64.691	47.527	37.624	47.260	47.527	27.563	27.405	29.432
19	47.527	53.910	55.507	55.507	55.507	37.417	58.510	47.527	71.460	27.514	30.250	31.765
20	47.527	55.501	55.501	65.078	58.510	47.527	39.603	47.527	46.279	28.647	24.505	29.754
21	47.527	55.507	57.098	55.501	65.127	47.527	37.624	47.260	42.568	47.702	30.408	27.443
22	47.527	55.507	55.501	57.104	46.536	37.417	47.260	47.527	47.527	22.036	28.822	23.775
23	47.527	55.501	76.251	65.078	74.654	37.624	35.640	35.646	55.556	28.228	26.069	28.113
24	59.464	50.716	52.694	65.078	47.260	35.646	47.527	29.536	47.527	26.887	13.948	37.199
25	47.527	47.408	55.501	65.078	47.527	37.417	46.040	47.527	33.667	26.947	32.125	38.131
26	46.536	53.910	65.078	56.902	45.293	37.624	47.527	37.624	39.385	24.848	26.614	19.981
27	47.527	47.527	55.501	65.078	47.527	38.404	47.527	26.582	47.527	24.952	16.934	36.441
28	47.527	47.527	66.620	55.507	47.522	47.260	47.527	35.640	31.683	21.742	37.630	30.146
29	52.313	0.000	55.507	55.507	47.527	31.683	29.699	47.527	43.325	25.573	23.191	28.669
30	47.527	0.000	58.695	71.460	47.522	35.646	35.646	47.527	47.527	23.682	29.558	28.626
31	55.507	0.000	55.120	0.000	47.522	0.000	47.527	27.721	0.000	25.186	0.000	35.084
Average	49.167	50.357	55.929	60.899	56.850	47.937	51.030	37.184	42.761	33.517	27.022	28.935

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

1994												
DIA	ENE.	FEB.	MAR.	8.97	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.311	27.726	47.146	41.145	35.035	37.401	46.961	52.329	39.728	45.260	26.865	27.001
2	29.596	32.533	46.868	48.890	35.270	13.599	27.563	52.133	40.202	44.617	28.626	26.963
3	28.407	31.400	46.110	38.076	25.584	20.183	37.134	53.272	40.235	43.865	28.822	26.756
4	29.944	27.088	47.195	47.522	44.295	32.043	28.457	53.447	36.774	38.267	26.238	27.546
5	28.811	32.136	46.661	45.783	48.509	33.700	7.342	40.900	38.420	43.756	26.238	27.873
6	29.427	29.710	46.868	46.236	31.727	23.164	30.588	51.670	38.284	40.595	28.576	27.083
7	30.615	29.165	45.734	45.342	33.760	29.568	50.313	58.870	38.736	41.674	26.843	26.963
8	30.337	26.969	45.843	45.996	36.000	38.066	25.900	40.082	38.649	42.655	28.424	19.692
9	30.086	29.111	46.001	44.328	59.753	29.541	48.961	39.385	34.539	32.348	25.257	20.270
10	29.623	31.749	46.045	51.354	38.676	18.204	28.844	55.185	37.117	34.648	27.574	21.665
11	27.764	25.235	37.946	35.858	45.642	36.665	53.850	37.472	38.360	41.140	28.729	27.971
12	28.217	25.235	45.565	33.574	36.518	28.931	55.638	44.933	38.120	42.502	25.339	24.292
13	27.639	32.533	47.724	42.693	33.613	31.531	52.242	50.847	35.727	39.679	26.342	26.505
14	29.901	34.196	46.405	42.361	46.176	22.308	57.425	45.832	32.163	31.285	24.778	34.943
15	29.901	27.546	47.506	40.933	36.948	29.160	53.850	40.000	38.556	39.079	27.993	29.607
16	30.146	25.682	56.592	39.019	44.993	34.049	53.043	50.449	39.003	40.278	26.996	22.281
17	28.184	46.432	46.078	34.795	35.646	22.499	55.638	47.021	32.675	15.114	22.510	26.298
18	26.985	54.989	47.260	49.599	40.387	36.589	49.026	49.244	49.642	35.030	32.833	30.909
19	28.549	60.614	50.967	42.966	37.166	30.386	49.026	44.099	38.365	31.095	27.753	27.187
20	29.230	67.225	39.821	42.077	30.446	32.419	43.325	44.410	39.777	45.331	27.563	24.276
21	25.846	65.628	39.603	42.742	34.953	18.117	41.358	39.374	36.763	33.945	28.080	25.383
22	34.768	32.702	38.545	42.235	27.993	30.304	37.858	39.150	40.437	32.130	26.729	25.573
23	29.814	69.956	38.796	42.927	42.001	37.346	46.176	37.722	43.712	26.811	28.991	23.350
24	31.999	43.603	41.843	43.211	27.819	27.808	40.371	40.039	41.200	28.778	25.012	30.729
25	29.808	38.153	64.140	51.043	39.112	39.706	42.600	39.466	39.205	28.544	27.099	20.216
26	29.138	38.153	58.210	45.996	28.179	32.899	52.793	37.308	41.276	23.104	26.761	20.995
27	35.215	45.445	73.537	51.555	25.977	40.518	47.707	41.456	37.908	28.467	27.944	22.483
28	29.786	47.200	52.694	48.994	49.631	33.302	52.776	43.096	49.353	28.249	27.165	19.970
29	32.234	0.000	39.810	49.697	32.839	47.320	45.456	43.096	41.358	27.743	22.287	26.053
30	34.136	0.000	41.706	44.710	30.718	48.405	52.416	38.725	42.213	27.982	27.296	23.208
31	26.522	0.000	58.281	0.000	24.794	0.000	50.443	31.253	0.000	28.358	0.000	27.148
Average	29.966	38.504	47.661	44.055	36.779	31.191	44.035	44.589	39.283	34.914	27.055	25.522

1995												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	12.650	27.328	27.410	32.424	19.823	28.037	15.070	13.506	0.589			
2	20.793	27.301	28.511	32.452	18.439	30.381	16.449					
3	27.127	26.195	29.819	36.267	27.127	28.168	17.332					
4	21.289	25.328	29.105	32.037	25.361	7.505	15.550	9.304	11.757			
5	35.575	27.535	34.861	27.219	19.752	16.978	19.213		5.690			
6	28.179	22.919	29.372	29.100	15.861	18.951	16.242					
7	23.290	26.805	28.168	33.569	15.506	20.662	19.567	3.990				
8	24.298	26.647	36.234	31.073	17.779	19.976	15.305	15.141				
9	27.535	24.505	37.973	20.041	21.475	10.710	17.038					
10	28.026	28.386	32.975	19.889	27.154	21.098	18.008					
11	33.820	26.560	28.391	29.705	27.781	33.144	17.283					
12	32.544	26.178	31.067	18.749	28.353	28.086	17.033					
13	27.857	29.438	33.220	28.865	30.086	26.325	13.920					
14	27.901	27.416	32.032	16.106	31.678	25.126	15.861					
15	26.086	14.929	34.599	16.182	25.693	20.979	12.034					
16	21.611	26.631	32.582	17.272	29.879	21.496	8.366					
17	25.077	22.685	32.490	18.629	21.676	17.272	20.319	8.067				
18	26.407	28.609	32.762	33.743	28.631	16.874	11.866					
19	21.731	27.470	31.879	31.727	32.615	15.218	13.517					
20	27.116	22.570	32.741	27.922	27.879	15.256	9.446					
21	25.862	29.726	31.634	34.234	15.359	19.202	8.432					
22	27.116	25.012	33.024	29.192	19.725	28.162	12.089	2.093				
23	24.897	28.833	32.299	33.291	30.130	24.189	5.352					
24	27.121	29.874	31.531	20.325	40.584	18.918	10.138	7.467				
25	27.873	27.639	19.360	28.756	32.648	7.734	15.948					
26	26.979	27.007	24.249	29.944	28.249	14.961	15.659	7.413				
27	27.045	27.514	20.428	30.386	29.759	21.349	9.980	28.909				
28	26.358	29.667	32.893	32.839	29.650	16.602	14.400	4.611				
29	27.127	0.000	30.359	31.689	18.123	19.338	26.080					
30	26.140	0.000	31.700	29.568	22.527	17.038	9.140	5.216				
31	28.478	0.000	30.391	0.000	29.394	0.000	15.970					
Average	26.255	26.454	30.776	27.773	25.442	20.325	14.600	9.611	6.012			

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

DIA	1996											
	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1			42.677	43.456	43.750	30.615	23.540	18.575	12.678	21.949	13.403	11.244
2			46.950	43.456	57.736	1.810	15.921	19.916	21.229	13.631	9.042	9.298
3		14.215	47.266	43.456	48.776	19.916	19.916	16.809	23.497	63.786	10.116	7.691
4		30.255	32.495	43.456	53.692	26.620		19.916	19.463	81.129	13.016	12.514
5		24.745	35.449	43.456	48.776	17.986	14.487	19.463	21.731	22.134	35.128	11.195
6		19.131	47.266	31.689	43.402		17.692	19.463	52.095	26.385	42.350	8.285
7		23.840	38.027	32.593	43.445	20.826	7.244	19.916	21.731	23.377	12.089	33.040
8		3.499	43.456	34.403	47.936	17.692	14.155	19.354	18.575	20.908	11.849	13.168
9			43.456	43.456	35.275		18.106		19.011	21.485	19.970	4.246
10		25.601	38.027	43.456	24.445	22.783	16.891	14.487	21.229	17.033	13.664	27.334
11		22.979	43.456	43.456	28.974	17.692	14.487	18.106	21.731	28.729	14.231	23.437
12			43.456	38.027	19.910	21.731	17.692	23.540	21.229	17.496	24.222	23.835
13		35.449	43.456	43.456	23.540	18.662		12.678	21.976	19.518	16.411	15.904
14		23.633	43.456	43.456	44.219	23.535	7.075	21.731	23.317	20.444	25.797	22.728
15		16.738	43.456	43.456	28.947	23.001	16.297	21.229	23.022		33.771	27.868
16		23.633	34.855	43.456	23.475		17.850	19.916	21.644		23.148	25.982
17		23.633	32.593	48.890	15.392	23.540		19.463	25.650		13.168	34.245
18		15.261	34.403	52.509	3.619	17.692		19.916	25.492		21.022	39.504
19		23.633	38.027	48.781	9.958	19.916		19.463			11.800	24.211
20		33.482	43.456	48.770	25.339			19.916			7.184	19.632
21		31.509	43.456	48.836	22.597	21.229		18.575				33.356
22		33.482	43.456	48.765	23.529	18.575		17.201				37.035
23		23.633	43.456	48.825	25.301	12.220		19.463		17.022		25.769
24	1.755	25.601	34.577	54.193	23.529	18.106	10.617	23.540		7.963	12.857	45.985
25		30.528	39.385	54.248	19.916	15.392	12.678	17.692	10.912	14.618	11.560	26.385
26		47.266	43.456	56.635	22.614	19.463	21.420	15.921	14.809	11.015		17.490
27		37.417	42.551	43.456	14.155	18.106		19.916	36.011	11.162		22.516
28	16.329	47.266	43.456	48.776	27.159	19.463		17.692	10.481			29.100
29	3.837	46.617	43.456	48.874	23.540		12.678	21.229	6.197	16.106		33.269
30	17.687	0.000	43.456	43.947	33.313	5.434	23.126	21.731	11.838	5.974	8.377	40.693
31	14.662	0.000	43.456	43.750	20.346	0.000	21.731	21.229	0.000	9.991	0.000	50.988
Average	10.854	27.322	41.285	45.079	29.891	18.880	16.180	19.268	21.064	22.357	17.573	24.450

DIA	1997											
	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.076	49.784	62.320	74.692	77.014	94.041	40.491	44.513	37.123	35.880	43.456	23.540
2	38.431	48.923	62.876	84.885	91.714	86.313	40.099	21.960	43.456	36.212	43.456	23.540
3	31.122	48.727	56.602	92.390	85.620	74.065	40.698	48.323	54.073	43.456	43.456	23.540
4	33.656	48.176	62.685	78.726	88.035	80.492	40.780	49.075	43.456	36.212	43.456	21.731
5	21.600	49.544	70.436	90.924	94.586	69.749	44.366	48.454	43.456	28.974	43.456	43.456
6	41.287	48.209	78.709	93.262	95.856	25.094	46.312	48.699	43.456	43.456	43.456	43.456
7	33.624	34.038	74.169	92.384	94.554	10.830	35.967	48.961	43.456	36.212	38.027	43.456
8	50.334	47.288	58.543	79.625	95.077	37.335	44.415	59.115	43.456	35.716	43.456	34.403
9	36.049	46.018	57.082	90.847	92.782	51.959	27.661	43.636	43.456	42.459	33.498	43.456
10	38.425	45.647	60.674	86.738	90.302	49.048	30.860	47.233	43.456	38.027	23.993	43.456
11	38.420	45.489	72.185	86.416	94.145	52.536	23.437	32.375	43.211	36.212	34.403	43.456
12	44.339	46.754	70.076	90.869	95.720	42.818	29.874	51.212	42.459	43.456	36.212	50.700
13	26.451	50.836	70.425	86.749	95.137	31.694	29.007	50.727	42.459	43.456	34.403	40.742
14	37.717	48.225	71.242	89.872	82.802	36.648	33.149	50.689	42.459	36.212	32.593	43.456
15	37.248	50.258	68.953	88.858	93.883	52.089	30.484	62.527	42.459	43.456	43.456	34.403
16	43.238	62.881	70.065	88.918	95.153	59.137	27.078	48.236	43.456	38.027	28.974	43.456
17	40.714	71.248	71.248	87.223	95.529	65.476	33.498	51.806	43.456	35.308	21.731	43.456
18	50.939	44.453	75.891	88.138	93.425	58.701	51.174	65.465	43.456	34.403	19.011	43.456
19	49.871	60.396	79.925	87.893	93.442	33.346	30.054	83.391	43.456	38.027	20.826	43.456
20	49.806	49.408	73.313	84.187	94.085	37.700	35.073	59.954	43.456	34.403	21.731	36.212
21	50.111	55.441	72.992	55.796	91.512	43.521	31.487	50.689	43.456	43.456	23.540	40.742
22	49.168	53.403	61.023	106.730	88.863	37.831	51.305	51.337	43.456	41.647	15.392	43.456
23	49.141	58.041	57.812	70.474	85.228	39.815	50.721	49.953	43.456	36.212	14.487	43.456
24	45.707	63.192	62.396	129.600	91.469	36.321	48.203	51.692	43.456	36.212	21.731	43.456
25	45.484	57.409	58.810	122.885	81.723	37.640	69.596	52.476	41.647	43.456	27.159	43.456
26	45.516	62.505	61.415	95.867	90.896	25.464	66.533	62.691	41.647	43.456	27.159	36.212
27	45.004	60.292	58.030	86.253	95.551	50.879	49.849	55.262	43.457	43.456	23.540	43.456
28	46.040	58.674	60.292	61.944	88.416	37.651	48.476	75.303	43.456	43.456	19.916	43.456
29	45.516	0.000	55.491	92.935	78.671	39.352	49.174	67.340	35.716	43.456	21.731	34.403
30	51.098	0.000	58.248	73.967	94.924	38.022	26.391	66.375	42.459	43.456	21.731	43.456
31	49.904	0.000	54.019	0.000	82.018	0.000	50.574	43.456	0.000	43.456	0.000	43.456
Average	42.001	52.331	65.418	88.001	90.585	47.852	40.541	52.998	43.046	39.396	30.315	39.543

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

												1998	
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.	
10	43.456	42.628	42.459	45.271	43.456	61.993	29.863	53.458	32.593	28.974	43.456	43.456	
11	43.456	41.783	42.459	56.134	43.456	64.124	39.461	28.958	36.212	34.403	43.456	43.456	
12	43.456	43.456	41.576	63.377	43.456	46.922	41.592	68.392	43.456	38.027	43.456	43.456	
13	43.456	43.456	42.459	56.134	43.456	42.660	36.262	53.462	36.212	36.212	43.456	43.456	
14	43.456	43.456	42.459	43.456	43.456	55.354	51.190	50.672	43.456	27.159	43.456	43.456	
15	42.551	43.456	41.576	43.456	43.456	53.458	51.190	50.318	43.456	20.826	43.456	43.456	
16	43.456	36.212	42.459	43.456	43.456	53.458	49.059	53.458	43.456	34.403	43.456	43.456	
17	43.456	36.212	42.459	61.562	43.456	53.458	51.190	53.458	33.994	38.027	43.456	43.456	
18	43.456	43.456	43.456	47.081	43.456	53.458	49.059	53.458	47.991	43.456	43.456	43.456	
19	43.456	43.456	42.459	43.456	43.151	53.458	51.190	43.434	43.456	34.403	43.456	43.456	
20	43.456	43.456	42.459	43.456	43.456	51.381	39.461	42.322	51.190	43.456	39.837	43.456	
21	43.456	43.456	43.456	43.456	43.456	51.190	41.592	53.458	42.660	43.456	43.456	43.456	
22	43.456	43.456	43.456	43.456	43.456	53.419	42.660	53.043	51.190	43.456	42.551	43.456	
23	38.027	36.212	43.456	43.452	41.647	79.053	51.190	41.957	51.190	38.027	39.837	43.456	
24	43.456	43.456	43.456	43.456	43.151	51.190	42.660	43.004	34.125	43.456	43.456	43.456	
25	43.456	43.456	43.456	43.456	43.456	51.190	51.190	22.636	50.487	30.784	57.938	43.456	
26	43.456	43.456	43.456	43.456	43.456	33.411	51.190	43.456	51.190	27.159	60.701	43.456	
27	43.456	43.456	38.480	43.456	43.456	44.257	51.190	27.159	51.190	43.456	50.334	43.456	
28	43.456	50.700	43.456	43.151	50.700	42.660	51.190	28.974	42.660	43.456	43.456	43.456	
29	43.456	52.509	39.837	43.456	54.324	25.595	51.190	39.357	31.994	43.456	43.456	43.456	
30	43.456	43.456	36.665	43.456	74.790	51.190	50.122	51.190	35.193	43.456	39.837	43.456	
31	43.456	43.456	30.784	43.456	64.124	31.994	0.000	64.555	38.393	0.000	43.456	0.000	
1	43.456	43.456	43.456	41.647	57.725	25.595	51.190	38.393	51.190	43.456	43.456	43.456	
2	43.456	43.456	43.456	43.151	64.124	41.592	51.190	40.524	43.723	43.456	43.456	43.456	
3	43.456	43.456	43.456	43.456	59.616	51.190	41.592	38.393	41.592	43.456	46.797	43.456	
4	42.551	43.456	43.456	43.456	64.124	22.052	51.190	40.524	40.524	43.456	52.367	43.456	
5	43.456	43.085	43.456	43.456	64.124	46.775	60.102	51.190	35.193	43.456	60.374	43.456	
6	43.456	42.459	43.456	50.700	62.418	33.422	64.124	51.283	42.660	43.456	50.138	42.715	
7	43.456	0.000	43.456	54.324	51.190	42.660	53.458	43.456	35.193	43.456	43.456	43.456	
8	43.456	0.000	43.456	61.562	64.124	40.524	53.458	32.593	51.190	43.456	43.456	43.456	
9	43.456	0.000	43.456	0.000	0.000	40.524	53.458	36.212	43.723	43.456	43.456	43.456	
Average	43.223	43.124	42.172	46.877	50.372	46.749	48.448	44.927	42.604	39.021	45.478	43.431	

												1999	
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.	
10	43.456	26.255	30.784	55.229	68.806	68.806	43.456	43.287	43.287	40.578	43.287	43.287	
11	43.456	36.212	30.784	50.700	64.282	43.456	43.456	37.875	43.287	43.287	43.287	43.287	
12	43.456	38.027	30.784	46.176	57.943	43.456	43.456	43.287	43.287	42.976	43.287	43.287	
13	43.456	28.064	30.784	31.689	70.621	67.901	43.456	43.287	43.287	43.287	43.287	43.287	
14	43.456	43.456	32.593	45.271	70.621	43.456	43.456	43.287	43.287	43.287	30.659	43.287	
15	43.456	43.456	36.812	43.456	68.806	43.456	43.456	43.287	43.287	43.287	37.875	43.287	
16	43.456	43.456	32.593	43.456	77.859	36.670	43.456	43.287	43.287	36.970	43.287	43.287	
17	43.456	43.456	35.308	43.456	81.483	43.456	43.456	43.287	43.287	43.287	39.679	43.287	
18	43.456	43.456	36.212	43.456	59.753	43.456	43.456	43.287	43.287	43.287	43.287	43.287	
19	43.456	43.456	36.212	56.134	66.996	43.456	43.456	43.287	43.287	34.267	33.367	42.835	
20	43.456	43.456	36.212	52.509	76.049	43.456	43.456	43.287	43.287	37.875	43.287	43.287	
21	43.456	43.456	41.647	52.509	76.049	43.456	43.456	43.287	43.287	43.287	43.287	43.287	
22	43.456	43.456	43.456	43.456	86.918	43.456	43.287	43.287	43.287	43.287	43.287	43.287	
23	43.456	43.456	36.212	52.509	86.918	43.456	43.287	43.287	43.287	42.382	31.111	43.287	
24	43.456	43.456	41.647	54.324	66.092	43.456	41.483	43.287	43.287	43.287	39.532	52.302	
25	43.456	32.593	38.027	52.509	86.918	43.456	43.287	43.287	43.287	43.287	43.287	56.810	
26	24.445	0.000	57.491	43.456	86.918	32.593	43.287	43.287	43.287	43.287	43.287	57.714	
27	14.487	0.000	48.890	54.324	76.049	47.985	43.287	43.287	43.287	34.719	43.287	55.005	
28	19.916	0.000	50.700	55.229	77.859	43.456	43.287	43.287	31.563	31.563	42.382	55.910	
29	28.974	0.000	0.000	56.134	79.674	43.456	43.287	43.287	43.287	36.071	43.287	58.614	
30	43.456	0.000	0.000	54.324	83.293	43.456	43.287	43.287	43.287	42.976	43.287	51.403	
31	43.456	0.000	0.000	57.943	0.000	43.456	0.000	43.287	43.287	0.000	43.287	0.000	
1	34.403	0.000	43.456	55.229	86.918	43.456	43.287	43.287	43.287	43.287	43.287	59.518	
2	27.159	7.244	43.456	50.700	56.134	59.753	43.287	43.287	43.287	42.835	43.287	62.222	
3	28.974	27.159	47.081	28.974	43.456	52.509	43.287	43.287	42.835	43.287	39.679	56.810	
4	19.916	38.027	52.509	20.859	81.483	43.456	43.287	43.287	43.287	43.287	43.287	48.694	
5	43.456	29.879	43.456	54.324	61.562	43.456	43.287	40.578	43.287	43.287	43.287	52.302	
6	43.456	34.403	43.456	54.324	45.271	43.456	43.287	43.287	43.287	43.287	43.287	47.795	
7	30.784	30.784	43.456	66.996	29.879	43.456	43.287	42.976	43.287	43.287	43.287	46.890	
8	43.456	30.784	43.456	43.456	48.890	43.456	43.287	43.287	43.287	43.287	39.679	43.287	
9	43.456	30.784	59.884	53.436	53.414	43.456	43.287	43.287	43.287	43.287	36.071	43.287	
Average	38.229	36.176	40.977	48.921	69.230	45.457	43.295	43.015	42.894	41.522	41.260	48.471	

**ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).**

2000												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
10	46.890	43.287	68.533	75.750	86.569	119.718	81.511	108.626	111.684	77.232	107.204	110.202
11	61.322	43.287	73.946	75.750	86.569	122.263	74.720	111.542	108.828	86.683	107.204	113.205
12	46.890	44.186	73.946	75.750	109.956	122.263	81.511	113.041	114.202	97.906	91.207	110.202
13	43.287	43.287	70.337	86.569	119.718	122.263	81.511	101.312	114.202	82.852	87.206	111.199
14	52.302	43.287	73.946	86.569	122.263	112.077	75.281	107.836	116.203	80.660	100.206	113.205
15	52.302	62.222	75.750	79.358	109.531	112.077	81.511	120.203	103.203	71.869	84.209	118.443
16	43.287	55.910	75.750	75.750	122.263	101.040	81.511	106.206	116.203	67.977	82.454	97.797
17	54.106	59.518	77.554	75.750	112.077	95.093	81.511	97.513	116.203	76.682	103.203	94.357
18	67.182	62.222	75.750	75.750	108.681	81.086	81.511	132.199	119.206	97.884	90.204	103.203
19	44.186	54.106	75.750	75.750	122.263	67.923	79.810	112.202	87.604	107.193	105.825	104.680
20	46.443	55.910	75.750	75.750	98.489	44.999	62.407	106.266	132.199	109.204	115.020	94.357
21	53.654	81.162	75.750	86.569	118.868	64.102	88.591	118.203	90.885	110.202	69.389	108.207
22	61.322	75.750	75.750	86.569	112.077	81.511	91.730	112.202	111.183	99.519	100.020	111.635
23	63.127	66.729	75.750	86.569	106.130	69.623	129.502	89.447	124.204	107.204	100.881	92.782
24	86.569	68.533	75.750	86.569	108.681	67.923	122.307	94.161	118.203	88.286	98.892	89.278
25	82.961	55.910	75.750	86.569	120.585	81.511	105.525	112.202	119.042	93.883	97.208	89.278
26	68.533	86.569	79.358	86.569	122.263	81.511	107.019	107.258	92.853	111.205	102.206	89.278
27	77.554	77.554	75.750	86.569	113.772	68.773	121.882	116.203	112.207	100.206	102.958	89.278
28	75.750	86.569	75.750	86.569	112.077	81.511	114.202	108.207	99.884	91.109	100.380	98.222
29	25.252	86.569	77.554	86.569	113.777	77.826	116.197	100.462	98.739	78.851	114.202	84.209
30	0.000	86.569	0.000	86.569	112.077	64.527	120.198	92.744	116.203	88.689	100.107	94.205
31	0.000	67.274	0.000	86.569	0.000	81.511	0.000	103.585	108.321	0.000	104.680	0.000
1	0.000	72.141	75.750	86.569	120.568	81.511	110.202	107.602	87.523	100.484	114.998	111.472
2	0.000	75.750	75.750	86.569	110.888	81.511	98.701	111.472	88.029	90.918	104.206	102.206
3	0.000	56.810	75.750	86.569	88.302	81.511	92.215	124.204	77.886	79.554	101.241	102.206
4	0.000	63.127	75.750	84.765	116.322	77.265	114.202	110.202	94.466	73.766	101.241	111.559
5	0.000	59.518	73.946	86.569	122.263	67.078	86.945	112.202	116.203	93.327	102.527	112.202
6	5.412	59.518	75.750	86.569	118.868	81.511	100.947	91.060	103.563	84.209	105.204	111.205
7	43.287	61.322	68.533	86.569	122.263	71.324	119.484	97.606	77.548	78.333	112.415	112.202
8	43.287	68.533	82.961	86.569	109.531	79.254	102.260	110.202	103.999	98.483	109.204	113.205
9	43.287	64.925	75.750	86.569	122.263	76.687	95.605	112.202	92.957	86.683	105.901	109.204
Average	53.675	64.131	75.314	83.486	112.332	84.477	96.684	108.012	105.601	90.368	100.703	103.423

2001												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	112.202	132.199	123.849	113.881	118.841	75.008	75.008	34.043	81.467	81.467	108.626	105.443
2	121.021	132.199	123.849	117.516	110.730	70.915	75.008	60.134	81.467	81.467	106.926	103.465
3	118.203	132.199	123.849	120.170	119.037	54.559	70.915	62.740	81.467	81.467	113.723	102.593
4	121.882	132.199	123.849	118.345	118.214	53.948	54.559	75.232	81.467	81.467	96.745	113.488
5	107.188	132.199	123.849	118.955	107.951	79.025	53.948	64.789	81.195	89.109	106.081	115.020
6	120.203	124.073	123.849	115.232	125.577	84.841	79.025	59.328	81.467	89.528	94.199	94.254
7	105.236	127.539	123.849	110.447	122.661	60.358	84.841	53.610	81.467	83.168	81.467	107.771
8	116.720	138.059	123.849	113.450	118.050	73.133	60.358	58.210	81.467	91.654	111.461	98.718
9	132.199	123.849	123.849	113.188	125.741	69.193	73.133	36.785	81.467	89.665	101.835	110.392
10	123.599	123.849	123.849	118.274	118.388	118.388	69.193	54.880	81.467	87.408	103.530	104.691
11	132.199	123.849	95.469	128.139	130.679	130.679	56.542	58.030	81.467	88.683	112.017	102.217
12	129.943	123.849	110.948	121.827	119.495	119.495	65.056	61.339	81.467	84.012	98.440	98.385
13	132.199	122.988	123.849	106.065	130.613	130.613	75.853	88.302	89.528	81.467	96.745	100.380
14	132.199	123.849	123.849	124.324	116.900	116.900	66.435	89.970	81.467	81.467	107.776	103.645
15	115.205	123.849	123.849	120.361	120.127	120.127	57.682	79.347	80.350	81.467	112.017	108.398
16	132.199	123.849	123.849	120.677	112.622	112.622	50.618	74.681	67.890	81.467	107.776	105.258
17	132.199	123.849	123.849	119.424	117.309	117.309	61.230	81.467	73.831	81.467	112.017	115.281
18	132.199	123.849	123.849	124.373	115.183	115.183	59.175	81.467	81.467	81.467	116.262	102.222
19	132.199	123.849	123.849	120.203	110.213	110.213	61.306	81.467	72.981	95.894	101.835	98.124
20	132.199	123.849	123.849	127.147	116.050	116.050	52.504	73.831	72.556	80.350	121.778	108.005
21	126.624	123.849	123.849	120.012	113.788	113.788	66.228	81.467	72.981	81.467	116.262	96.505
22	132.199	123.849	123.849	115.679	116.317	116.317	75.657	79.772	67.890	81.467	113.717	108.250
23	132.199	121.271	123.849	112.496	119.080	119.080	70.070	81.195	73.831	81.467	100.140	109.357
24	132.199	123.849	123.315	125.735	114.409	114.409	51.572	80.263	81.467	89.953	101.835	112.622
25	129.447	123.849	120.154	119.168	93.883	93.883	67.961	81.467	81.467	81.467	101.345	100.276
26	130.826	123.849	125.975	125.326	78.829	78.829	53.479	81.467	81.467	81.467	97.595	96.423
27	132.199	123.849	102.451	122.133	75.226	75.226	74.311	81.467	78.922	96.745	105.231	102.489
28	132.199	123.849	116.295	121.260	79.222	79.222	62.718	81.467	81.467	87.408	100.140	89.730
29	132.199	0.000	116.982	124.024	72.872	72.872	53.894	81.467	81.467	101.852	91.654	107.193
30	129.703	0.000	119.854	120.160	78.491	78.491	54.330	81.467	81.467	104.381	96.745	97.377
31	132.199	0.000	111.668	0.000	75.008	0.000	57.720	81.467	0.000	97.595	0.000	100.549
Average	126.555	125.865	120.773	119.266	109.403	95.689	64.204	71.697	79.328	86.433	104.531	103.823

ANNEX 3.G Data of Extraction at Asosocsa Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

2002												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.
1	90.259	76.780	87.991	80.137	101.290	88.683	78.164	68.855	77.924	41.756	52.727	65.852
2	77.036	97.121	91.894	86.078	94.417	81.293	69.335	80.399	34.888	56.782	49.462	64.996
3	100.538	96.837	96.194	91.698	96.739	94.205	77.423	81.146	36.589	49.370	68.593	66.353
4	105.711	111.406	89.408	95.218	101.819	76.202	112.954	72.757	49.555	39.979	42.148	69.389
5	78.911	97.715	94.161	89.250	94.417	95.338	72.943	63.132	55.038	35.428	44.061	66.506
6	84.857	97.388	92.646	94.090	98.200	77.063	73.106	70.021	41.363	54.651	60.859	68.937
7	91.011	102.184	90.482	94.521	97.208	71.291	72.965	49.261	47.021	38.731	55.185	66.108
8	95.268	100.647	90.793	95.638	90.875	72.229	70.534	99.830	44.001	52.994	45.898	61.546
9	85.495	82.672	77.325	76.049	95.873	71.482	75.085	58.526	51.223	60.189	51.719	48.345
10	112.376	105.351	73.907	104.081	103.721	69.896	73.237	70.087	47.064	43.385	43.080	55.670
11	78.617	111.052	61.628	99.759	101.208	69.814	78.388	67.547	51.931	63.595	40.562	66.560
12	78.050	111.815	92.352	98.848	101.279	68.326	68.315	63.895	53.436	57.840	55.185	66.282
13	86.165	114.873	79.314	94.581	105.612	69.498	62.244	69.563	54.733	53.654	57.077	67.073
14	78.066	104.833	79.990	94.630	97.322	67.383	58.009	73.728	51.446	43.838	45.195	64.146
15	90.335	107.575	89.348	103.372	97.344	70.517	66.211	56.123	52.111	53.686	56.521	62.745
16	95.235	113.063	86.601	98.156	104.054	68.304	90.313	88.498	46.574	43.789	36.665	65.743
17	103.312	110.202	93.049	96.069	99.208	68.021	66.239	79.222	56.940	43.772	38.387	79.020
18	88.634	110.703	70.043	101.383	98.369	61.284	64.009	70.926	56.019	43.325	63.879	65.612
19	96.069	104.370	79.990	96.101	96.952	64.042	81.756	85.228	81.985	46.372	53.534	65.699
20	106.844	81.156	79.990	97.044	102.429	65.345	68.283	82.454	58.428	51.861	53.256	65.219
21	110.087	101.552	79.990	92.880	129.823	63.688	65.765	64.309	57.682	40.328	59.627	61.186
22	96.794	103.361	86.313	105.138	99.323	62.156	61.126	71.199	60.042	58.036	60.652	64.691
23	93.845	105.721	84.263	94.515	106.474	65.666	69.509	65.933	63.464	54.428	53.948	63.955
24	80.230	97.922	80.164	100.162	118.688	53.065	59.845	66.239	79.205	44.007	64.358	63.666
25	73.662	107.765	83.353	100.462	99.317	65.399	66.958	53.201	79.004	55.905	60.178	62.015
26	89.043	96.821	79.374	94.047	89.496	65.094	56.924	73.597	77.107	56.766	62.009	52.389
27	66.582	106.523	82.950	98.739	77.957	67.405	61.415	62.298	77.036	39.303	61.404	47.822
28	81.821	93.654	82.475	94.428	85.015	64.369	49.484	67.187	76.382	42.873	55.076	70.550
29	53.943	0.000	85.081	97.355	85.626	82.650	59.606	80.132	83.576	47.091	62.102	70.921
30	52.553	0.000	82.268	98.734	87.686	82.802	56.112	66.784	66.980	43.396	70.610	50.700
31	69.166	0.000	79.183	0.000	92.324	0.000	58.919	63.868	0.000	58.935	0.000	68.904
Average	86.791	101.824	83.952	95.439	98.389	71.417	69.199	70.514	58.958	48.905	54.132	63.826

2003												
DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	59.066	101.061	99.077	92.733	82.781	68.381	42.737	45.871	55.185	51.021	55.480	72.806
2	64.942	88.215	95.982	91.093	88.313	48.678	40.916	44.966	52.117	54.586	58.227	72.234
3	64.048	97.753	96.963	87.860	89.823	42.595	40.916	42.115	59.884	53.888	54.651	72.425
4	65.345	96.968	88.820	88.313	83.228	56.679	61.590	43.151	51.604	62.113	58.047	73.101
5	57.960	100.048	96.347	95.208	78.584	66.969	61.590	44.056	57.981	50.220	59.360	73.422
6	63.835	96.516	93.769	94.139	90.433	43.587	39.030	44.088	48.263	54.488	59.834	73.504
7	62.091	97.142	80.513	86.471	88.929	70.076	41.488	41.014	49.779	52.945	78.982	76.431
8	62.091	96.396	87.108	88.525	73.744	72.441	50.514	37.913	58.592	73.526	69.825	71.008
9	61.464	94.624	95.371	96.249	80.421	50.514	52.160	46.454	51.833	44.432	78.186	70.190
10	58.374	99.960	89.899	93.796	91.430	81.843	56.810	43.848	49.212	53.359	77.766	75.641
11	40.796	96.472	83.718	84.476	90.902	28.146	40.404	34.724	58.368	48.383	75.101	72.572
12	73.253	94.761	86.144	87.201	85.130	25.028	22.679	47.424	49.217	73.172	73.095	71.318
13	58.303	93.747	94.690	84.923	81.086	24.352	46.835	39.417	47.397	52.547	71.493	73.788
14	69.634	85.762	94.030	84.023	75.935	26.652	41.783	41.565	54.847	48.906	80.949	68.822
15	71.155	67.187	84.040	79.145	77.565	24.674	36.289	61.748	53.714	46.219	80.557	73.515
16	61.001	87.582	89.534	89.218	74.485	24.837	43.260	50.825	56.401	53.354	73.847	69.798
17	48.661	92.482	95.044	88.400	76.327	36.621	48.819	41.183	52.024	42.873	79.968	68.484
18	79.679	84.601	90.542	83.560	76.186	40.856	40.595	48.383	60.183	52.547	71.449	70.103
19	81.118	93.867	89.049	80.192	58.276	42.001	40.328	51.157	53.109	49.702	75.047	72.637
20	66.871	95.295	96.118	88.422	60.145	28.516	28.598	79.837	55.594	51.550	71.019	67.896
21	61.720	95.240	88.542	85.953	65.993	44.933	39.543	50.443	48.836	50.035	74.752	72.665
22	80.502	83.691	83.849	69.106	68.599	42.535	46.421	47.320	52.400	49.441	72.578	69.874
23	80.824	87.157	88.956	75.908	68.343	45.053	42.192	37.651	61.475	57.415	80.333	71.177
24	80.170	85.331	95.055	88.329	69.057	43.876	72.032	42.001	54.929	56.210	70.528	83.369
25	80.393	93.747	94.428	91.338	68.680	45.544	43.238	46.154	53.027	48.803	67.143	90.384
26	76.622	97.786	86.759	72.578	60.211	40.447	42.540	43.369	57.616	59.573	68.593	65.356
27	66.871	87.250	89.370	83.015	71.738	37.864	31.759	57.022	61.753	59.028	76.507	57.801
28	63.579	89.724	94.679	88.324	70.795	41.630	40.960	62.413	52.079	46.388	72.256	75.488
29	91.932	0.000	91.812	92.433	71.122	41.319	46.470	51.572	50.863	57.720	72.926	65.083
30	106.790	0.000	82.693	78.175	36.550	34.621	35.880	52.607	62.805	60.685	73.897	65.661
31	103.252	0.000	88.019	0.000	46.263	0.000	45.625	56.837	0.000	55.665	0.000	79.570
Average	69.753	92.156	90.675	86.291	74.228	44.042	44.000	47.649	54.370	53.897	71.080	72.133

ANNEX 3.G Data of Extraction at Asososca Lake
(EMPRESA TERRITORIAL DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
(1,000 m3).

2004

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	110.698	93.823	106.975	101.361	113.815	55.916	68.228	92.542	100.554	91.082	67.078	67.263
2	54.084	101.508	107.395	104.446	101.078	81.304	71.934	98.069	82.764	89.632	64.244	60.608
3	10.944	99.900	100.435	109.460	58.592	74.191	91.458	100.097	80.846	84.743	73.292	60.985
4	87.103	105.264	115.330	111.303	51.087	67.705	65.121	100.413	82.383	86.918	69.209	63.644
5	89.125	90.716	120.394	104.430	119.118	85.299	90.967	95.093	72.234	86.405	68.201	53.692
6	82.688	102.260	100.435	110.251	106.583	66.511	97.273	95.268	82.721	92.967	45.418	61.279
7	87.272	104.299	109.106	111.553	102.882	67.683	89.823	87.681	82.939	85.926	58.123	68.768
8	85.904	97.061	115.532	120.258	107.575	81.751	104.719	86.961	87.899	80.415	55.937	77.281
9	81.734	96.581	107.689	118.481	105.018	90.558	106.713	80.682	93.959	80.273	61.546	61.148
10	91.360	104.588	103.732	117.930	100.680	86.710	66.767	69.961	96.810	83.179	69.950	0.000
11	91.752	96.587	104.092	116.470	123.364	71.019	103.552	69.940	74.594	70.981	67.781	0.000
12	91.719	86.302	108.359	111.908	107.504	70.103	98.074	72.496	110.229	80.333	48.879	0.000
13	98.919	102.157	95.611	103.912	111.161	52.160	113.047	77.963	94.919	80.492	59.442	0.000
14	86.569	95.213	112.774	103.476	110.289	85.375	101.917	88.907	92.575	69.994	51.168	0.000
15	88.798	106.152	103.868	105.863	102.631	91.496	98.609	80.944	76.066	75.766	82.459	0.000
16	90.547	98.892	105.945	102.021	107.357	97.753	112.365	87.016	85.462	66.724	70.027	0.000
17	83.446	110.229	105.667	109.973	100.326	95.066	66.353	100.860	86.514	59.099	74.687	0.000
18	79.494	104.560	100.282	109.499	101.247	89.158	75.935	88.329	80.230	72.763	67.492	0.000
19	90.722	96.189	106.850	106.866	99.083	85.402	73.264	99.830	81.418	75.701	69.950	0.000
20	90.635	109.057	97.976	104.506	95.229	61.530	77.794	100.783	82.437	78.115	53.501	0.000
21	103.787	107.030	110.044	109.629	85.141	69.258	95.246	91.937	102.081	72.354	51.566	0.000
22	98.996	107.694	109.548	107.248	60.865	75.488	75.488	91.300	93.545	79.178	72.708	0.000
23	92.488	107.880	110.556	97.301	56.957	85.855	100.800	96.734	98.020	69.236	72.888	0.000
24	91.687	107.978	105.825	97.524	89.512	82.541	100.053	89.512	95.834	52.133	68.544	0.000
25	87.294	109.526	113.826	110.883	86.411	83.206	111.728	101.775	87.910	74.065	65.170	0.000
26	87.533	111.210	103.236	93.180	101.018	69.711	101.601	91.202	88.651	63.982	68.730	0.000
27	105.754	103.656	90.111	101.083	73.460	91.796	96.805	93.474	106.141	69.651	59.011	0.000
28	91.033	97.698	101.421	106.245	83.740	88.073	97.655	92.139	98.658	64.576	53.005	0.000
29	105.176	113.837	95.611	95.584	75.946	100.582	97.840	102.909	103.078	69.596	56.924	0.000
30	99.993	0.000	112.665	101.274	50.760	69.858	100.217	90.902	85.468	54.297	58.243	0.000
31	86.089	0.000	110.343	0.000	48.013	0.000	91.997	89.060	0.000	66.010	0.000	0.000
Average	87.850	102.340	106.182	106.797	91.498	79.102	91.721	90.477	89.565	75.051	63.506	63.852

ANNEX 3H

Data on Water Levels of Lake Asososca

ANNEX 3.H Data of Water Level at Asososca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)

ENACAL - MANAGUA

AÑO DE: 1972

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.62	36.64	36.43	36.19	35.89	36.03	36.10	35.97	35.83	35.73	35.60	35.48
2	36.62	36.63	36.43	36.20	35.88	36.02	36.10	35.96	35.82	35.73	35.59	35.46
3	36.62	36.63	36.42	36.20	35.87	36.02	36.08	35.94	35.82	35.72	35.59	35.46
4	36.66	36.62	36.41	36.18	35.86	36.02	36.09	35.91	35.82	35.72	35.58	35.46
5	36.66	36.61	36.40	36.17	35.85	36.01	36.09	35.93	35.82	35.71	35.57	35.44
6	36.66	36.61	36.40	36.15	35.84	36.01	36.08	35.90	35.81	35.71	35.57	35.44
7	36.66	36.61	36.39	36.13	35.82	36.00	36.06	35.89	35.80	35.70	35.56	35.42
8	36.66	36.61	36.38	36.11	35.82	36.00	36.05	35.88	35.79	35.72	35.55	35.40
9	36.66	36.60	36.36	36.10	35.81	36.01	36.05	35.87	35.78	35.73	35.54	35.40
10	36.67	36.60	36.35	36.10	35.80	36.05	36.05	35.86	35.78	35.72	35.54	35.39
11	36.67	36.58	36.34	36.09	35.79	36.05	36.04	35.86	35.80	35.71	35.53	35.38
12	36.67	36.58	36.33	36.07	35.78	36.07	36.04	35.85	35.80	35.70	35.55	35.37
13	36.66	36.58	36.33	36.06	35.78	36.13	36.04	35.84	35.79	35.70	35.55	35.37
14	36.66	36.58	36.32	36.05	35.77	36.13	36.03	35.85	35.78	35.69	35.55	35.37
15	36.66	36.58	36.31	36.04	35.78	36.15	36.02	35.86	35.78	35.70	35.56	35.35
16	36.66	36.58	36.30	36.03	35.82	36.14	36.01	35.86	35.78	35.70	35.56	35.35
17	36.66	36.57	36.30	36.01	35.82	36.15	36.01	35.86	35.78	35.69	35.55	35.34
18	36.65	36.56	36.29	36.01	35.83	36.15	36.01	35.87	35.77	35.69	35.56	35.34
19	36.65	36.55	36.28	36.01	35.85	36.15	36.00	35.89	35.76	35.68	35.55	35.32
20	36.65	36.54	36.28	35.97	35.89	36.16	35.99	35.87	35.75	35.67	35.55	35.31
21	36.65	36.54	36.27	35.97	35.91	36.16	35.99	35.89	35.74	35.67	35.55	35.31
22	36.65	36.53	36.26	35.96	35.92	36.16	35.99	35.88	35.72	35.67	35.55	35.31
23	36.65	36.53	36.25	35.96	35.93	36.15	35.99	35.88	35.72	35.69	35.54	35.40
24	36.66	36.53	36.24	35.96	35.99	36.15	35.99	35.88	35.72	35.68	35.54	35.41
25	36.66	36.52	36.23	35.95	35.99	36.14	35.98	35.87	35.74	35.66	35.53	35.45
26	36.66	36.47	36.22	35.95	36.00	36.14	35.98	35.87	35.75	35.65	35.52	35.50
27	36.65	36.46	36.23	35.92	36.02	36.13	35.99	35.87	35.75	35.63	35.52	35.54
28	36.64	36.45	36.21	35.91	36.00	36.13	35.99	35.87	35.74	35.62	35.52	35.56
29	36.64	36.44	36.18	35.90	36.03	36.12	35.98	35.86	35.74	35.61	35.51	35.58
30	36.64		36.17	35.89	36.03	36.11	35.98	35.85	35.74	35.61	35.49	35.56
31	36.64		36.18		36.03		35.98	35.84		35.59		35.57
Average	36.65	36.56	36.31	36.04	35.88	36.09	36.03	35.88	35.77	35.68	35.55	35.42

AÑO DE: 1973

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.56	35.72	35.80	35.55	35.46	35.66	35.93	36.08	36.30	36.44	36.79	36.68
2	35.58	35.73	35.79	35.55	35.47	35.67	35.94	36.09	36.30	36.45	36.78	36.68
3	35.61	35.73	35.79	35.54	35.46	35.67	35.94	36.08	36.32	36.45	36.77	36.68
4	35.62	35.74	35.79	35.54	35.45	35.67	35.95	36.08	36.40	36.48	36.77	36.69
5	35.63	35.75	35.79	35.53	35.44	35.67	35.94	36.08	36.42	36.51	36.77	36.69
6	35.63	35.78	35.79	35.52	35.43	35.67	35.92	36.09	36.42	36.58	36.76	36.68
7	35.62	35.79	35.77	35.51	35.42	35.67	35.92	36.09	36.42	36.58	36.75	36.68
8	35.60	35.79	35.77	35.51	35.41	35.67	35.91	36.12	36.42	36.61	36.74	36.68
9	35.58	35.79	35.76	35.51	35.40	35.67	35.92	36.11	36.41	36.62	36.73	36.70
10	35.56	35.80	35.75	35.51	35.40	35.68	35.91	36.10	36.41	36.63	36.72	36.70
11	35.53	35.81	35.74	35.50	35.40	35.69	35.90	36.13	36.41	36.63	36.71	36.69
12	35.52	35.83	35.74	35.49	35.39	35.69	35.89	36.13	36.41	36.63	36.70	36.69
13	35.53	35.82	35.73	35.48	35.39	35.68	35.89	36.14	36.41	36.62	36.70	36.67
14	35.52	35.82	35.72	35.47	35.38	35.68	35.90	36.14	36.40	36.63	36.69	36.66
15	35.52	35.82	35.70	35.46	35.38	35.70	35.91	36.14	36.40	36.63	36.69	36.66
16	35.53	35.82	35.69	35.46	35.36	35.70	35.92	36.14	36.40	36.66	36.69	36.66
17	35.53	35.83	35.68	35.46	35.35	35.70	35.92	36.13	36.42	36.71	36.69	36.66
18	35.54	35.83	35.68	35.46	35.40	35.70	35.93	36.13	36.42	36.71	36.69	36.66
19	35.56	35.85	35.67	35.46	35.41	35.74	35.93	36.15	36.42	36.70	36.68	36.66
20	35.57	35.85	35.67	35.47	35.41	35.75	36.01	36.16	36.42	36.70	36.67	36.65
21	35.57	35.84	35.65	35.48	35.52	35.77	36.01	36.15	36.42	36.70	36.67	36.65
22	35.59	35.84	35.64	35.49	35.52	35.80	36.07	36.18	36.42	36.72	36.66	36.64
23	35.60	35.83	35.63	35.49	35.52	35.82	36.07	36.18	36.42	36.72	36.66	36.64
24	35.62	35.83	35.61	35.49	35.53	35.83	36.06	36.17	36.42	36.76	36.66	36.64
25	35.63	35.82	35.61	35.48	35.54	35.84	36.06	36.19	36.42	36.80	36.66	36.64
26	35.64	35.82	35.61	35.48	35.52	35.85	36.05	36.19	36.42	36.80	36.66	36.64
27	35.66	35.82	35.60	35.48	35.59	35.87	36.05	36.19	36.42	36.80	36.66	36.64
28	35.67	35.82	35.60	35.48	35.60	35.92	36.06	36.21	36.42	36.80	36.69	36.63
29	35.70		35.59	35.48	35.62	35.92	36.06	36.26	36.43	36.80	36.68	36.63
30	35.71		35.58	35.48	35.62	35.91	36.08	36.30	36.43	36.80	36.68	36.62
31	35.72		35.57		35.66		36.09	36.31		36.78		36.62
Average	35.60	35.80	35.69	35.49	35.47	35.74	35.97	36.15	36.41	36.66	36.71	36.66

ANNEX 3.H Data of Water Level at Asosoca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO DE: 1974

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.62	36.46	36.21	36.09	35.91	36.12	36.28	36.20	36.18	36.45	36.50	36.20
2	36.62	36.45	36.20	36.08	35.91	36.12	36.28	36.20	36.19	36.45	36.49	36.25
3	36.61	36.44	36.18	36.08	35.91	36.12	36.28	36.19	36.23	36.46	36.49	36.24
4	36.61	36.44	36.18	36.08	35.89	36.12	36.27	36.18	36.24	36.48	36.49	36.22
5	36.60	36.43	36.18	36.06	35.88	36.12	36.26	36.19	36.28	36.48	36.48	36.22
6	36.60	36.42	36.17	36.06	35.95	36.12	36.25	36.18	36.29	36.51	36.47	36.20
7	36.59	36.45	36.16	36.06	35.95	36.11	36.25	36.17	36.30	36.51	36.46	36.19
8	36.59	36.40	36.16	36.05	35.96	36.10	36.24	36.17	36.39	36.50	36.45	36.19
9	36.59	36.39	36.16	36.05	35.97	36.09	36.24	36.16	36.31	36.50	36.44	36.20
10	36.58	36.38	36.16	36.04	35.98	36.09	36.23	36.16	36.30	36.49	36.43	36.19
11	36.57	36.38	36.16	36.04	35.98	36.09	36.23	36.15	36.28	36.48	36.43	36.19
12	36.56	36.37	36.16	36.04	35.98	36.09	36.23	36.18	36.27	36.49	36.43	36.18
13	36.55	36.36	36.16	36.05	35.98	36.08	36.24	36.18	36.26	36.49	36.42	36.18
14	36.55	36.35	36.16	36.05	35.98	36.08	36.24	36.17	36.27	36.50	36.40	36.17
15	36.54	36.34	36.16	36.06	36.00	36.09	36.25	36.18	36.28	36.49	36.39	36.17
16	36.53	36.33	36.14	36.06	35.99	36.09	36.25	36.18	36.29	36.48	36.38	36.17
17	36.52	36.33	36.14	36.05	35.99	36.11	36.24	36.18	36.30	36.47	36.37	36.17
18	36.52	36.32	36.14	36.04	35.02	36.11	36.23	36.18	36.31	36.47	36.37	36.16
19	36.50	36.32	36.14	36.02	36.03	36.11	36.22	36.18	36.41	36.47	36.37	36.15
20	36.49	36.33	36.14	36.01	36.07	36.13	36.22	36.19	36.45	36.47	36.36	36.14
21	36.49	36.30	36.14	36.00	36.08	36.14	36.24	36.18	36.45	36.48	36.35	36.14
22	36.49	36.30	36.14	35.99	36.10	36.16	36.25	36.18	36.44	36.49	36.34	36.14
23	36.49	36.29	36.12	35.98	36.12	36.18	36.24	36.17	36.44	36.49	36.33	36.14
24	36.49	36.28	36.12	35.97	36.13	36.20	36.22	36.17	36.43	36.49	36.31	36.13
25	36.48	36.27	36.12	35.97	36.13	36.21	36.21	36.17	36.43	36.49	36.31	36.13
26	36.49	36.26	36.11	35.95	36.13	36.21	36.22	36.17	36.43	36.48	36.30	36.12
27	36.48	36.23	36.11	35.95	36.12	36.26	36.21	36.20	36.43	36.48	36.29	36.12
28	36.49	36.22	36.10	35.94	36.14	36.28	36.22	36.19	36.43	36.51	36.29	36.11
29	36.49		36.09	35.93	36.14	36.27	36.23	36.19	36.45	36.51	36.28	36.09
30	36.49		36.08	35.93	36.13	36.27	36.22	36.19	36.46	36.51	36.26	36.10
31	36.47		36.08		36.12		36.18	36.18		36.51		36.12
Average	36.54	36.35	36.14	36.02	35.99	36.14	36.24	36.18	36.34	36.49	36.39	36.17

AÑO DE: 1975

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.12	35.93	35.68	35.41	35.03	35.25	35.24	35.24	35.31	35.59	35.66	35.63
2	36.12	35.92	35.67	35.40	35.02	35.25	35.27	35.23	35.31	35.59	35.64	35.62
3	36.13	35.91	35.67	35.38	35.01	35.26	35.27	35.22	35.32	35.59	35.65	35.61
4	36.12	35.90	35.66	35.36	35.00	35.26	35.29	35.23	35.32	35.59	35.65	35.60
5	36.12	35.89	35.65	35.35	35.00	35.26	35.29	35.24	35.35	35.59	35.64	35.60
6	36.13	35.88	35.64	35.33	35.00	35.25	35.29	35.23	35.39	35.60	35.65	35.59
7	36.12	35.87	35.64	35.33	35.00	35.25	35.27	35.23	35.40	35.60	35.65	35.58
8	36.11	35.86	35.63	35.32	35.00	35.30	35.33	35.24	35.42	35.60	35.64	35.58
9	36.10	35.85	35.62	35.31	34.99	35.29	35.33	35.24	35.48	35.60	35.64	35.58
10	36.09	35.85	35.62	35.27	34.97	35.28	35.34	35.24	35.47	35.59	35.64	35.57
11	36.09	35.84	35.61	35.27	34.96	35.28	35.34	35.25	35.49	35.58	35.65	35.55
12	36.12	35.83	35.60	35.25	34.95	35.27	35.31	35.28	35.50	35.59	35.65	35.54
13	36.12	35.82	35.59	35.27	34.95	35.26	35.30	35.28	35.50	35.59	35.64	35.53
14	36.11	35.80	35.58	35.24	34.93	35.25	35.32	35.28	35.49	35.59	35.64	35.54
15	36.10	35.80	35.56	35.23	34.96	35.25	35.32	35.28	35.51	35.58	35.64	35.53
16	36.08	35.78	35.55	35.21	35.00	35.25	35.31	35.27	35.50	35.58	35.64	35.52
17	36.07	35.78	35.55	35.19	35.07	35.24	35.30	35.27	35.50	35.58	35.64	35.51
18	36.00	35.77	35.54	35.18	35.06	35.23	35.30	35.31	35.50	35.57	35.65	35.50
19	36.00	35.76	35.53	35.16	35.05	35.23	35.29	35.32	35.50	35.56	35.64	35.49
20	35.99	35.75	35.52	35.14	35.03	35.23	35.29	35.31	35.49	35.58	35.63	35.47
21	35.99	35.74	35.50	35.14	35.01	35.23	35.30	35.32	35.50	35.57	35.62	35.45
22	35.97	35.72	35.49	35.12	35.00	35.23	35.30	35.32	35.51	35.55	35.63	35.44
23	35.95	35.73	35.47	35.11	34.99	35.24	35.29	35.31	35.54	35.55	35.62	35.42
24	35.94	35.73	35.47	35.09	35.16	35.24	35.32	35.34	35.55	35.55	35.64	35.41
25	35.94	35.72	35.46	35.07	35.18	35.26	35.31	35.35	35.57	35.55	35.64	35.40
26	35.93	35.71	35.44	35.06	35.20	35.26	35.31	35.34	35.58	35.54	35.63	35.40
27	35.93	35.69	35.43	35.06	35.25	35.26	35.30	35.34	35.59	35.60	35.62	35.40
28	35.94	35.69	35.42	35.06	35.26	35.26	35.30	35.34	35.60	35.60	35.62	35.39
29	35.94		35.42	35.04	35.22	35.26	35.29	35.33	35.60	35.68	35.62	35.39
30	35.94		35.42	35.03	35.22	35.28	35.28	35.32	35.59	35.67	35.61	35.39
31	35.93		35.43		35.23		35.26	35.31		35.67		35.38
Average	36.04	35.80	35.55	35.21	35.05	35.26	35.30	35.28	35.48	35.59	35.64	35.50

ANNEX 3.H Data of Water Level at Asosoca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO DE: 1976

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.37	35.04	34.77	34.50	34.23	34.19	35.03	35.32	35.31	35.41	35.84	35.83
2	35.37	35.04	34.77	34.48	34.22	34.21	35.05	35.34	35.29	35.43	35.81	35.83
3	35.36	35.03	34.75	34.47	34.24	34.25	35.06	35.35	35.27	35.45	35.78	35.83
4	35.35	35.02	34.73	34.45	34.23	34.28	35.07	35.35	35.25	35.48	35.75	35.83
5	35.35	35.01	34.72	34.45	34.23	34.30	35.09	35.34	35.24	35.50	35.74	35.83
6	35.34	35.00	34.71	34.44	34.22	34.35	35.11	35.33	35.25	35.51	35.74	35.85
7	35.33	34.99	37.69	34.42	34.20	34.38	35.12	35.31	35.22	35.52	35.74	35.85
8	35.32	34.98	34.70	34.41	34.19	34.42	35.14	35.30	35.19	35.53	35.75	35.85
9	35.31	34.97	34.69	34.40	34.18	34.45	35.16	35.29	35.18	35.55	35.49	35.85
10	35.30	34.95	34.67	34.39	34.18	34.48	35.17	35.29	35.16	35.57	35.77	35.85
11	35.29	34.94	34.66	34.38	34.17	34.51	35.20	35.30	35.18	35.58	35.77	35.85
12	35.28	34.93	34.65	34.36	34.16	34.56	35.21	35.32	35.18	35.60	35.77	35.85
13	35.27	34.91	34.65	34.36	34.14	34.59	35.22	35.33	35.22	35.62	35.79	35.85
14	35.25	34.89	34.65	34.35	34.13	34.62	35.24	35.35	35.24	35.64	35.80	35.85
15	35.23	34.89	34.63	34.40	34.13	34.64	35.26	35.39	35.25	35.65	35.82	35.85
16	35.22	34.89	34.62	34.38	34.12	34.65	35.26	35.42	35.27	35.69	35.82	35.85
17	35.20	34.89	34.61	34.37	34.12	34.67	35.27	35.44	35.27	35.78	35.83	35.85
18	35.18	34.88	34.60	34.37	34.11	34.70	35.27	35.47	35.27	35.80	35.83	35.84
19	35.17	34.87	34.58	34.38	34.10	34.70	35.29	35.47	35.28	35.81	35.84	35.85
20	35.16	34.86	34.56	34.37	34.08	34.72	35.29	35.48	35.29	35.80	35.84	35.87
21	35.16	34.86	34.60	34.35	34.07	34.75	35.30	35.48	35.29	35.81	35.85	35.88
22	35.14	34.85	34.59	34.34	34.08	34.77	35.28	35.49	35.29	35.81	35.86	35.88
23	35.12	34.85	34.57	34.33	34.08	34.82	35.27	35.49	35.30	35.82	35.86	35.89
24	35.12	34.85	34.55	34.31	34.10	34.80	35.27	35.50	35.31	35.82	35.86	35.89
25	35.10	34.84	34.55	34.30	34.12	34.86	35.28	35.48	35.32	35.83	35.85	35.90
26	35.10	34.82	34.55	34.29	34.13	34.90	35.30	35.45	35.32	35.83	35.84	35.92
27	35.09	34.80	34.55	34.28	34.13	34.95	35.29	35.42	35.33	35.83	35.84	35.94
28	35.08	34.79	34.54	34.28	34.14	34.98	35.30	35.40	35.35	35.83	35.83	35.93
29	35.07	34.77	34.54	34.26	34.15	35.00	35.31	35.40	35.37	35.83	35.83	35.92
30	35.05		34.53	34.24	34.16	35.02	35.32	35.36	35.40	35.83	35.83	35.92
31	35.04		34.52		34.18		35.32	35.34		35.84		35.92
Average	35.22	34.91	34.73	34.37	34.15	34.62	35.22	35.39	35.27	35.68	35.80	35.87

AÑO DE: 1977

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.92	35.90	35.84	35.65	35.34	35.62	35.76	35.90	36.07	36.20	36.34	36.25
2	35.94	35.89	35.83	35.64	35.35	35.61	35.76	35.92	36.08	36.21	36.33	36.25
3	35.95	35.89	35.81	35.63	35.34	35.62	35.78	35.92	36.07	36.22	36.34	36.25
4	35.95	35.88	35.79	35.63	35.32	35.63	35.80	35.90	36.07	36.23	36.34	36.23
5	35.94	35.88	35.78	35.63	35.34	35.63	35.81	35.91	36.07	36.26	36.34	36.23
6	35.93	35.88	35.78	35.62	35.36	35.64	35.83	35.91	36.07	36.27	36.33	36.22
7	35.93	35.89	35.78	35.62	35.38	35.66	35.84	35.92	36.06	36.27	36.34	36.20
8	35.92	35.89	35.77	35.62	35.40	35.67	35.85	35.93	36.04	36.27	36.34	36.18
9	35.92	35.90	35.76	35.64	35.41	35.68	35.86	35.92	36.03	36.27	36.31	36.17
10	35.93	35.90	35.75	35.65	35.40	35.68	35.86	35.93	36.00	36.28	36.29	36.16
11	35.92	35.90	35.74	35.65	35.44	35.71	35.87	35.93	36.01	36.28	36.26	36.13
12	35.91	35.89	35.74	35.63	35.45	35.71	35.87	35.94	36.01	36.28	36.26	36.13
13	35.90	35.88	35.74	35.60	35.46	35.72	35.85	35.93	36.01	36.28	36.26	36.13
14	35.89	35.90	35.74	35.59	35.46	35.72	35.83	35.94	36.01	36.27	36.24	36.10
15	35.89	35.89	35.72	35.56	35.46	35.72	35.84	35.95	36.00	36.28	36.23	36.06
16	35.89	35.89	35.71	35.54	35.48	35.73	35.83	35.94	36.04	36.28	36.21	36.03
17	35.91	35.89	35.71	35.53	35.49	35.72	35.84	35.94	36.06	36.28	36.21	36.02
18	35.91	35.88	35.70	35.52	35.49	35.73	35.85	35.94	36.06	36.27	36.23	36.02
19	35.90	35.87	35.69	35.50	35.49	35.72	35.85	35.95	36.09	36.26	36.28	36.02
20	35.90	35.86	35.71	35.49	35.48	35.74	35.85	35.97	36.08	36.26	36.28	35.99
21	35.93	35.87	35.71	35.46	35.47	35.74	35.86	35.96	36.08	36.26	36.29	35.97
22	35.92	35.88	35.70	35.44	35.47	35.75	35.86	35.99	36.07	36.28	36.30	35.95
23	35.90	35.87	35.70	35.42	35.47	35.75	35.86	36.01	36.06	36.28	36.30	35.93
24	35.91	35.86	35.69	35.40	35.47	35.75	35.88	36.02	36.05	36.32	36.30	35.90
25	35.91	35.85	35.68	35.41	35.47	35.74	35.90	36.03	36.05	36.33	36.30	35.88
26	35.90	35.84	35.67	35.40	35.50	35.73	35.90	36.03	36.09	36.33	36.28	35.90
27	35.89	35.83	35.66	35.38	35.52	35.74	35.89	35.04	36.11	36.34	36.28	35.89
28	35.89	35.84	35.67	35.37	35.52	35.75	35.88	36.06	36.13	36.34	36.28	35.87
29	35.88		35.67	35.36	35.54	35.75	35.87	36.07	36.18	36.35	36.27	35.85
30	35.88		35.67	35.35	35.58	35.75	35.86	36.07	36.17	36.33	36.26	35.83
31	35.90		35.65		35.58		35.87	36.07		36.34		35.83
Average	35.91	35.88	35.73	35.53	35.45	35.70	35.85	35.93	36.06	36.28	36.29	36.05

ANNEX 3.H Data of Water Level at Asososca Lake
 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO DE: 1978

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.80	35.25	34.81	34.40	34.16	34.40	34.73	35.05	35.15	35.45	35.47	35.28
2	35.81	35.22	34.78	34.39	34.16	34.45	34.75	35.01	35.16	35.46	35.46	35.27
3	35.81	35.21	34.76	34.39	34.18	34.47	34.75	35.00	35.17	35.45	35.45	35.26
4	35.78	35.20	34.74	34.36	34.19	34.47	34.79	35.01	35.19	35.45	35.44	35.26
5	35.76	35.19	34.72	34.35	34.20	34.49	34.79	35.01	35.22	35.46	35.44	35.26
6	35.74	35.19	34.72	34.33	34.23	34.50	34.79	35.03	35.22	35.45	35.45	35.25
7	35.71	35.17	34.72	34.31	34.22	34.55	34.79	35.04	35.24	35.45	35.44	35.26
8	35.69	35.14	34.70	34.30	34.23	34.57	34.79	35.05	35.25	35.45	35.42	35.26
9	35.69	35.14	34.68	34.28	34.22	34.58	34.80	35.07	35.26	35.45	35.40	35.27
10	35.67	35.10	34.65	34.29	34.22	34.58	34.84	35.06	35.26	35.44	35.40	35.28
11	35.65	35.08	34.63	34.25	34.21	34.61	34.84	35.06	35.26	35.42	35.39	35.30
12	35.62	35.07	34.62	34.24	34.20	34.63	34.85	35.05	35.26	35.41	35.40	35.29
13	35.60	35.07	34.61	34.22	34.19	34.65	34.88	35.03	35.27	35.43	35.40	35.28
14	35.58	35.05	34.59	34.20	34.19	34.64	34.88	35.01	35.27	35.44	35.40	35.27
15	35.56	35.03	34.56	34.18	34.19	34.66	34.88	35.01	35.27	35.44	35.40	35.26
16	35.56	35.01	34.54	34.17	34.17	34.67	34.88	35.01	35.28	35.45	35.40	35.24
17	35.53	35.01	34.54	34.17	34.16	34.70	34.92	35.04	35.30	35.44	35.39	35.23
18	35.52	35.01	34.48	34.16	34.15	34.69	34.92	35.05	35.31	35.44	35.40	35.22
19	35.49	35.00	34.46	34.16	34.14	34.70	34.95	35.05	35.31	35.45	35.39	35.21
20	35.46	34.97	34.46	34.15	34.18	34.69	34.98	35.05	35.32	35.45	35.39	35.18
21	35.43	34.97	34.45	34.16	34.17	34.69	34.99	35.07	35.32	35.44	35.36	35.17
22	35.41	34.95	34.44	34.17	34.19	34.69	35.00	35.06	35.33	35.41	35.36	35.15
23	35.41	34.93	34.43	34.20	34.18	34.74	35.01	35.06	35.32	35.46	35.35	35.13
24	35.38	34.90	34.43	34.21	34.21	34.74	35.02	35.06	35.33	35.44	34.34	35.12
25	35.36	34.88	34.46	34.21	34.22	34.75	35.03	35.06	35.34	35.44	34.34	35.12
26	35.35	34.85	34.49	34.20	34.24	34.76	35.02	35.08	35.34	35.46	35.34	35.12
27	35.34	34.85	34.49	34.19	34.26	34.76	35.02	35.09	35.04	35.48	35.34	35.11
28	35.32	34.83	34.45	34.19	34.30	34.75	35.02	35.10	35.40	35.48	35.32	35.09
29	35.30		34.45	34.17	34.35	34.74	35.00	35.11	35.42	35.48	35.30	35.06
30	35.29		34.44	34.16	34.35	34.73	35.00	35.14	35.45	35.48	35.29	35.04
31	35.27		34.42		34.40		35.00	35.15		35.48		35.02
Average	35.54	35.05	34.57	34.24	34.21	34.64	34.90	35.05	35.28	35.45	35.32	35.20

AÑO DE: 1979

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.02	34.56	33.98	33.60	33.79	33.93	34.06	33.82	33.88	34.01	34.17	34.02
2	35.02	34.53	33.97	33.60	33.80	33.95	34.04	33.82	33.88	34.01	34.17	34.03
3	35.03	34.50	33.95	33.59	33.82	33.99	34.15	33.80	33.92	34.02	34.17	34.06
4	34.97	34.47	33.94	33.58	33.85	34.03	34.99	33.79	33.93	34.01	34.16	34.04
5	34.95	34.46	33.93	33.58	33.86	34.04	33.97	33.77	33.93	33.96	34.15	34.03
6	34.96	34.44	33.94	33.56	33.87	34.07	33.98	33.76	33.92	33.98	34.14	34.03
7	34.96	34.43	33.92	33.56	33.90	34.11	33.98	33.79	33.93	33.96	34.13	34.03
8	34.96	34.40	33.92	33.54	33.86	34.11	33.96	33.78	33.92	33.97	34.12	34.03
9	34.94	34.38	33.90	33.54	33.92	34.15	33.92	33.78	33.98	33.97	34.11	34.03
10	34.92	34.36	33.88	33.63	33.92	34.15	33.90	33.78	34.00	33.95	34.14	34.05
11	34.90	34.34	33.87	33.53	33.93	34.23	33.94	33.79	34.02	33.95	34.14	34.04
12	34.88	34.34	33.86	33.52	33.93	34.27	33.90	33.77	34.08	33.98	34.17	34.03
13	34.86	34.31	33.84	33.54	33.93	34.28	33.95	33.77	34.09	33.98	34.18	34.03
14	34.85	34.28	33.83	33.55	33.95	34.29	33.93	33.75	34.11	33.98	34.16	34.05
15	34.84	34.26	33.80	33.55	33.97	34.29	33.92	33.75	34.10	33.99	34.14	34.04
16	34.81	34.23	33.78	33.57	33.97	34.29	33.93	33.74	34.09	34.00	34.14	34.05
17	34.80	34.21	33.75	33.57	33.97	34.29	33.89	33.75	34.09	33.99	34.14	34.05
18	34.77	34.19	33.74	33.57	33.96	34.29	33.89	33.72	34.08	33.99	34.14	34.05
19	34.75	34.19	33.74	33.56	33.95	34.28	33.87	33.75	34.08	34.00	34.13	34.05
20	34.73	34.16	33.73	33.56	33.95	34.28	33.85	33.75	34.07	33.99	34.12	34.04
21	34.72	34.14	33.71	33.53	33.95	34.25	33.84	33.77	34.06	33.98	34.12	34.04
22	34.71	34.10	33.71	33.52	33.94	34.25	33.85	33.75	34.07	33.98	34.10	34.04
23	34.70	34.08	33.67	33.56	33.94	34.22	33.87	33.79	34.05	33.97	34.91	34.04
24	34.67	34.05	33.68	33.58	33.93	34.21	33.85	33.80	34.05	34.01	34.80	34.04
25	34.66	34.03	33.70	33.60	33.92	34.19	33.86	33.81	34.02	34.03	34.80	34.04
26	34.65	34.05	33.68	33.62	33.91	34.16	33.84	33.81	34.02	34.02	34.61	34.05
27	34.63	34.03	33.67	33.65	33.90	34.12	33.83	33.84	34.00	34.01	34.05	34.04
28	34.62	34.00	33.65	33.67	33.90	34.09	33.84	33.83	33.99	33.01	34.05	34.03
29	34.63		33.63	33.69	33.89	34.08	33.85	33.83	33.98	34.00	34.40	34.03
30	34.60		33.61	33.73	33.90	34.06	33.85	33.90	33.98	34.00	34.03	34.02
31	34.58		33.61		33.91		33.85	33.90		34.18		34.02
Average	34.81	34.27	33.86	33.58	33.91	34.17	33.95	33.79	34.01	33.96	34.23	34.04

ANNEX 3.H Data of Water Level at Asososca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO DE: 1980

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	34.01	34.03	33.95	33.86	33.81	34.10	34.44	34.66	34.69	34.81	34.94	35.05
2	34.01	34.02	33.94	33.87	33.80	34.13	34.42	34.68	34.70	34.80	34.95	35.05
3	33.99	34.02	33.91	33.90	33.78	34.20	34.43	34.69	34.60	34.82	34.94	35.04
4	34.00	34.03	33.92	33.87	33.79	34.16	34.43	34.71	34.66	34.88	34.94	35.04
5	33.99	34.03	33.92	33.88	33.79	34.17	34.43	34.41	34.64	34.39	35.00	35.04
6	33.99	34.03	33.92	33.90	33.78	34.18	34.43	34.70	34.64	34.91	35.01	35.03
7	33.98	34.00	33.84	33.93	33.75	34.22	34.45	34.70	34.64	34.91	35.02	35.02
8	33.98	34.02	33.90	33.93	33.77	34.21	34.45	34.70	34.64	34.93	35.02	35.02
9	33.97	34.00	33.90	33.91	33.75	34.24	34.47	34.70	34.64	34.94	35.02	35.09
10	33.96	34.01	33.90	33.90	33.71	34.26	34.47	34.66	34.65	34.94	35.04	35.01
11	33.95	34.02	33.90	33.89	33.72	34.27	34.47	34.69	34.64	34.94	35.06	35.01
12	33.95	33.98	33.88	33.87	33.74	33.34	34.49	34.71	34.65	34.91	35.05	35.00
13	33.96	33.99	33.87	33.87	33.75	34.34	34.49	34.72	34.66	34.94	35.05	34.99
14	33.96	33.99	33.88	33.85	33.77	34.34	34.49	34.70	34.68	34.93	35.05	34.95
15	33.95	33.99	33.88	33.88	33.70	34.32	34.50	34.70	34.68	34.95	35.05	34.95
16	33.95	33.99	33.88	33.88	33.73	34.33	34.50	34.70	34.70	34.95	35.04	34.95
17	33.95	34.00	33.89	33.88	33.70	34.30	34.50	34.70	34.70	34.94	35.06	34.95
18	33.95	34.01	33.89	33.88	33.70	34.31	34.50	34.70	34.70	34.95	35.04	34.94
19	33.96	34.02	33.89	33.89	33.71	34.29	34.50	34.70	34.71	34.94	35.04	34.94
20	33.98	33.99	33.88	33.86	33.77	34.36	34.51	34.71	34.72	34.94	35.02	34.94
21	34.00	33.98	33.87	33.85	33.78	34.35	34.53	34.72	34.72	34.95	35.03	34.94
22	34.00	33.98	--	33.85	33.79	34.35	34.54	34.73	34.71	34.93	35.03	34.93
23	34.00	33.97	--	33.84	33.84	34.39	34.56	34.72	34.70	34.94	35.04	34.93
24	34.00	33.96	33.88	33.84	33.86	34.39	34.57	34.73	34.73	34.94	35.04	34.91
25	34.02	33.97	33.88	33.83	33.87	34.41	34.58	34.74	34.74	34.94	35.06	34.91
26	34.02	33.97	33.87	33.83	33.90	34.40	34.58	34.74	34.75	34.94	35.05	34.91
27	34.02	33.96	33.88	33.83	33.91	34.40	34.59	34.72	34.75	34.94	35.05	34.92
28	34.03	33.96	33.86	33.83	33.95	34.41	34.62	34.70	34.75	34.93	35.05	34.92
29	34.03	33.95	33.87	33.83	33.98	34.41	34.63	34.67	34.79	34.94	35.05	34.93
30	34.03		33.86	33.83	34.00	34.41	34.63	34.69	34.79	34.94	35.04	34.92
31	34.03		33.87		34.01		34.65	34.72		34.95		34.91
Average	33.99	35.21	31.70	33.87	33.80	34.27	34.51	34.69	34.69	34.91	35.03	34.97

AÑO DE: 1981

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	34.90	34.67	34.50	34.37	34.31	34.74	35.18	35.10	35.11	35.26	35.35	35.30
2	34.90	34.68	34.50	34.36	34.30	34.73	35.16	35.09	35.12	35.24	35.38	35.30
3	34.91	34.67	34.50	34.35	34.31	34.75	35.19	35.05	35.13	35.23	35.36	35.30
4	34.88	34.66	34.48	34.35	34.40	34.80	35.17	35.03	35.13	35.24	35.41	35.30
5	34.89	34.65	34.48	34.34	34.41	34.81	35.20	35.10	35.15	35.26	35.39	35.30
6	34.89	34.64	34.46	34.34	34.42	34.81	35.18	35.02	35.18	35.28	35.41	35.29
7	34.88	34.63	34.46	34.34	34.50	34.81	35.21	35.02	35.18	35.27	35.40	35.28
8	34.85	34.63	34.44	34.34	34.51	34.82	35.20	35.02	35.16	35.26	35.40	35.28
9	34.84	34.63	34.45	34.35	34.51	34.84	35.20	35.01	35.20	35.25	35.39	35.28
10	34.83	34.63	34.44	34.36	34.54	34.86	35.20	35.01	35.21	35.25	35.40	35.26
11	34.81	34.63	34.44	34.34	34.57	34.85	35.18	35.03	35.20	35.26	35.39	35.25
12	34.80	34.62	34.43	34.33	34.57	34.90	35.01	35.00	35.22	35.28	35.39	35.24
13	34.79	34.61	34.42	34.33	34.59	34.92	35.25	35.00	35.20	35.32	35.37	35.22
14	34.78	34.60	34.40	34.33	34.59	34.93	35.01	34.99	35.22	35.30	35.37	35.24
15	34.76	34.60	34.39	34.33	34.60	34.94	35.21	35.01	35.21	35.30	35.36	35.25
16	34.75	34.58	34.39	34.34	34.61	34.95	35.19	35.01	35.34	35.30	35.36	35.24
17	34.74	34.60	34.39	34.35	34.64	34.94	35.19	35.01	35.33	35.28	35.35	35.20
18	34.73	34.60	34.37	34.37	34.65	34.93	35.16	35.01	35.31	35.26	35.34	35.22
19	34.73	34.57	34.36	34.38	34.68	34.95	35.14	35.01	35.32	35.27	35.36	35.22
20	34.72	34.56	34.36	34.39	34.68	34.95	35.14	35.99	35.30	35.28	35.34	35.22
21	34.72	34.56	34.36	34.39	34.67	35.00	35.12	35.01	35.30	35.30	35.35	35.21
22	34.71	34.56	34.35	34.38	34.67	35.01	35.13	35.02	35.30	35.27	35.31	35.20
23	34.70	34.56	34.37	34.38	34.68	35.09	35.11	35.02	35.28	35.30	35.31	35.21
24	34.70	34.56	34.39	34.37	34.68	35.10	35.91	35.05	35.28	35.32	35.29	35.19
25	34.70	34.56	34.41	34.36	34.68	35.10	35.08	35.08	35.30	35.34	35.29	35.18
26	34.70	34.54	34.40	34.35	34.68	35.11	35.07	35.07	35.28	35.35	35.30	35.20
27	34.70	34.53	34.39	34.34	34.68	35.15	35.06	35.10	35.26	35.34	35.31	35.19
28	34.68	34.51	34.38	34.34	34.70	35.15	35.05	35.10	35.29	35.34	35.29	35.21
29	34.69		34.38	34.32	34.70	35.18	35.06	35.12	35.29	35.34	35.29	35.20
30	34.68		34.39	34.32	34.72	35.19	35.05	35.08	35.29	35.35	35.30	35.19
31	34.68		34.38		34.71		35.02	35.09		35.35		35.17
Average	34.78	34.60	34.41	34.35	34.58	34.94	35.16	35.07	35.24	35.29	35.35	35.24

ANNEX 3.H Data of Water Level at Asososca Lake
 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO DE: 1982

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.16	34.94	34.76	34.53	34.01	34.71	35.08	35.36	35.54	35.76	35.86	35.87
2	35.17	34.93	34.78	34.52	34.06	34.70	35.90	35.38	35.52	35.77	35.84	35.87
3	35.17	34.93	34.72	34.51	34.07	34.70	35.09	35.40	35.53	35.78	35.91	35.87
4	35.17	34.91	34.72	34.50	34.07	34.72	35.11	35.40	35.53	35.80	35.91	35.87
5	35.16	34.91	34.72	34.50	34.07	34.75	35.11	35.39	35.53	35.84	35.92	35.86
6	35.14	34.89	34.72	34.49	34.07	34.76	35.14	35.39	35.53	35.83	35.93	35.86
7	35.16	34.88	34.71	34.48	34.07	34.77	35.13	35.39	35.53	35.84	35.93	35.86
8	35.13	34.87	34.69	34.47	34.02	34.78	35.15	35.40	35.53	35.85	35.93	35.84
9	35.13	34.88	34.68	34.46	34.08	34.78	35.16	35.43	35.52	35.85	35.93	35.84
10	35.10	34.87	34.66	34.46	34.08	34.77	35.17	35.45	35.51	35.85	35.93	35.83
11	35.11	34.88	34.66	34.46	34.06	34.80	35.18	35.40	35.50	35.86	35.92	35.82
12	35.08	34.88	34.66	34.51	34.06	34.80	35.20	35.47	35.50	35.86	35.92	35.81
13	35.08	34.88	34.65	34.50	34.06	34.83	35.19	35.48	35.52	35.86	35.91	35.81
14	35.09	34.88	34.65	34.52	34.03	34.90	35.19	35.49	35.55	35.98	35.91	35.79
15	35.07	34.90	34.64	34.51	34.02	34.85	35.20	35.50	35.56	35.93	35.91	35.73
16	35.05	34.89	34.65	34.16	34.01	34.85	35.22	35.51	35.57	35.93	35.91	35.76
17	35.04	34.89	34.64	34.15	34.03	34.92	35.24	35.53	35.63	35.94	35.90	35.75
18	35.05	34.88	34.63	34.16	34.04	34.94	35.25	35.53	35.65	35.94	35.89	35.75
19	35.01	34.87	34.63	34.16	34.04	34.94	35.27	35.53	35.67	35.94	35.89	35.74
20	35.02	34.85	34.63	34.14	34.09	34.96	35.24	35.53	35.68	35.93	35.89	35.72
21	35.02	34.85	34.61	34.14	34.16	34.98	35.24	35.53	35.72	35.93	35.85	35.71
22	35.00	34.84	34.60	34.13	34.21	34.99	35.30	35.54	35.74	35.92	35.85	35.70
23	35.00	34.84	34.59	34.13	34.29	35.01	35.30	35.56	35.71	35.91	35.85	35.69
24	35.00	34.81	34.59	34.12	34.42	35.02	35.30	35.56	35.70	35.91	35.85	35.68
25	35.01	34.78	34.59	34.12	34.53	35.03	35.32	35.55	35.71	35.90	35.83	35.68
26	35.01	34.79	34.57	33.03	34.60	35.04	35.33	35.55	35.74	35.89	35.82	35.69
27	35.00	34.78	34.56	34.02	34.63	35.06	35.34	35.55	35.75	35.88	35.83	35.70
28	35.00	34.78	34.56	34.01	34.68	35.07	35.34	35.55	35.75	35.88	35.85	35.69
29	34.99		34.56	34.01	34.67	35.09	35.34	35.55	35.75	35.87	35.84	35.67
30	34.98		34.56	34.01	34.67	35.08	35.35	35.55	35.72	35.86	35.88	35.66
31	34.95		34.54		34.69		35.37	35.55		35.86		35.65
Average	35.07	34.87	34.64	34.26	34.21	34.89	35.25	35.48	35.61	35.88	35.89	35.77

AÑO DE: 1983

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.64	35.37	35.17	35.02	34.93	34.70	34.95	35.14	35.20	35.55	35.51	35.54
2	35.64	35.37	35.17	35.01	34.91	34.74	34.95	35.14	35.20	35.56	35.52	35.54
3	35.66	35.37	35.15	35.05	34.91	34.74	34.95	35.14	35.20	35.70	35.57	35.53
4	35.65	35.35	35.12	35.10	34.90	34.75	34.97	35.14	35.20	35.37	35.57	35.54
5	35.64	35.34	35.15	35.10	34.89	34.76	34.96	35.14	35.30	35.35	35.56	35.55
6	35.63	35.34	35.15	35.10	34.87	34.77	34.97	35.13	35.29	35.35	35.56	35.55
7	35.61	35.33	35.11	35.10	34.86	34.76	34.98	35.14	35.29	35.38	35.57	35.55
8	35.59	35.34	35.10	35.10	34.84	34.78	34.98	35.13	35.28	35.40	35.58	35.55
9	35.58	35.34	35.09	35.09	34.83	34.80	34.99	35.19	35.27	35.39	35.57	35.56
10	35.56	35.34	35.11	35.08	34.82	34.79	34.97	35.19	35.26	35.40	35.56	35.56
11	35.56	35.33	35.10	35.09	34.82	34.80	34.98	35.95	35.27	35.40	35.56	35.56
12	35.57	35.32	35.10	35.08	34.82	34.80	34.99	35.22	35.28	35.41	35.59	35.56
13	35.53	35.31	35.10	35.07	34.81	34.81	34.99	35.22	35.29	35.90	35.58	35.56
14	35.50	35.31	35.08	35.06	34.77	34.89	34.99	35.21	35.29	35.41	35.60	35.54
15	35.49	35.29	35.08	35.07	34.76	34.89	34.98	35.21	35.28	35.42	35.59	35.53
16	35.48	35.28	35.09	35.05	34.77	34.89	35.00	35.20	35.28	35.44	35.58	35.52
17	35.49	35.28	35.09	35.09	34.75	34.87	36.00	35.19	35.30	35.49	35.56	35.51
18	35.48	35.29	35.08	35.09	34.75	34.90	35.03	35.19	35.31	35.50	35.56	35.60
19	35.47	35.26	35.08	35.02	34.74	34.80	35.90	35.18	35.32	35.51	35.55	35.50
20	35.46	35.25	35.08	35.02	34.75	34.91	35.04	35.19	35.32	35.51	35.55	35.51
21	35.46	35.25	35.09	35.01	34.75	34.91	35.05	35.20	35.35	35.52	35.55	35.50
22	35.43	35.23	35.09	35.01	34.74	34.92	35.05	35.20	35.37	35.51	35.57	35.48
23	35.44	35.22	35.08	34.99	34.70	34.91	35.07	35.21	35.37	35.52	35.56	35.47
24	35.44	35.21	35.08	34.97	34.70	34.90	35.11	35.20	35.37	35.53	35.55	35.46
25	35.43	35.21	35.07	34.95	34.70	34.90	35.13	35.20	35.37	35.54	35.55	35.44
26	35.42	35.20	35.06	34.97	34.70	34.91	35.14	35.19	35.37	35.55	35.54	35.44
27	35.41	35.19	35.06	34.96	34.70	34.91	35.14	35.18	35.38	35.55	35.54	35.44
28	35.40	35.18	35.05	34.95	34.69	34.91	35.14	35.18	35.37	35.54	35.53	35.43
29	35.39		35.05	34.94	34.66	34.92	35.14	35.20	35.36	35.51	35.54	35.42
30	35.39		35.04	34.93	34.67	34.94	35.14	35.20	35.37	35.52	35.54	35.41
31	35.38		35.04		34.70		35.13	35.20		35.51		35.39
Average	35.51	35.29	35.09	35.04	34.78	34.84	35.09	35.21	35.30	35.49	35.56	35.51

ANNEX 3.H Data of Water Level at Asosca Lake
 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO DE: 1984

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.38	35.10	34.83	34.46	34.08	33.98	34.32	34.44	34.48	34.60	34.54	34.54
2	35.39	35.09	34.82	34.45	34.07	33.99	34.33	34.45	34.49	34.55	34.53	34.53
3	35.38	35.08	34.82	34.44	34.05	34.71	34.35	34.44	34.51	34.56	34.53	34.53
4	35.36	35.09	34.80	34.42	34.06	34.08	34.37	34.44	34.53	34.55	34.52	34.52
5	35.35	35.08	34.79	34.40	34.02	34.12	34.36	34.45	34.53	34.56	34.52	34.52
6	35.33	35.06	34.78	34.39	34.00	34.13	34.38	34.45	34.54	34.56	34.52	34.52
7	35.30	35.04	34.78	34.37	34.01	34.11	34.38	34.46	34.46	34.58	34.52	34.52
8	35.31	35.02	34.77	34.34	33.99	34.11	34.40	34.45	34.54	34.57	34.52	34.52
9	35.31	35.02	34.76	34.35	33.96	34.11	34.42	34.47	34.53	34.57	34.51	34.51
10	35.30	35.01	34.76	34.34	33.94	34.12	34.42	34.46	34.53	34.57	34.51	34.50
11	35.30	35.01	34.73	34.33	33.92	34.13	34.42	34.46	34.58	34.56	34.51	34.51
12	35.30	35.01	34.72	34.32	33.91	34.13	34.41	34.46	34.57	34.56	34.51	34.51
13	35.29	34.98	34.72	34.31	33.91	34.16	34.41	34.48	34.57	34.54	34.50	34.50
14	35.29	34.97	34.71	34.30	33.90	34.23	34.40	34.48	34.56	34.53	34.51	34.51
15	35.26	34.96	34.69	34.28	33.89	34.23	34.40	34.47	34.55	34.54	34.49	34.49
16	35.24	34.96	34.67	34.27	33.88	34.23	34.41	34.46	34.60	34.54	34.54	34.54
17	35.22	34.95	34.65	34.26	33.87	34.23	34.45	34.46	34.58	34.54	34.51	34.51
18	35.21	34.95	34.64	34.25	33.86	34.29	34.41	34.45	34.58	34.54	34.51	34.50
19	35.21	34.94	34.64	34.25	33.85	34.29	34.41	34.44	34.58	34.54	34.51	34.48
20	35.20	34.92	34.64	34.22	33.85	34.27	34.41	34.44	34.58	34.54	34.45	34.45
21	35.19	34.90	34.64	34.20	33.84	34.27	34.43	34.44	34.57	34.54	34.46	34.46
22	35.18	34.89	34.62	34.20	33.84	34.26	34.40	34.44	34.57	34.54	34.48	34.48
23	35.18	34.89	34.60	34.21	33.84	34.26	34.41	34.45	34.56	34.54	34.48	34.48
24	35.17	34.88	34.58	34.20	33.83	34.28	34.40	34.45	34.55	34.54	34.48	34.48
25	35.17	34.88	34.57	34.18	33.83	34.30	34.40	34.44	34.55	34.54	34.48	34.48
26	35.16	34.87	34.55	34.02	33.82	34.32	34.40	34.45	34.58	34.54	34.48	34.47
27	35.14	34.86	34.53	34.14	33.83	34.33	34.40	34.47	34.57	34.53	34.47	34.47
28	35.14	34.85	34.52	34.12	33.89	34.32	34.40	34.47	34.57	34.53	34.49	34.49
29	35.13	34.84	34.51	34.10	33.91	34.33	34.40	34.47	34.55	34.53	34.48	34.48
30	35.12		34.50	34.09	33.93	34.33	34.42	34.47	34.55	34.55	34.48	34.48
31	35.11		34.48		33.91		34.43	34.48		34.55		34.48
Average	35.25	34.97	34.67	34.27	33.92	34.22	34.40	34.46	34.55	34.55	34.50	34.50

AÑO DE: 1985

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	34.47	34.40	34.33	34.10	34.00	34.11	34.14	34.01	33.95	34.03	34.32	34.23
2	34.49	34.40	34.33	34.12	34.00	34.11	34.14	34.01	33.92	34.04	34.34	34.23
3	34.48	34.40	34.32	34.12	34.01	34.11	34.15	34.01	33.92	34.04	34.32	34.24
4	34.49	34.40	34.32	34.11	34.05	34.12	34.14	34.02	33.93	34.08	34.32	34.24
5	34.49	34.40	34.32	34.10	34.05	34.13	34.14	34.03	33.92	34.08	34.31	34.24
6	34.48	34.40	34.32	34.05	33.98	34.12	34.13	34.02	33.94	34.08	34.31	34.25
7	34.48	34.40	34.29	34.10	33.99	34.12	34.13	34.02	33.93	34.06	34.30	34.24
8	34.45	34.41	34.29	34.07	34.05	34.14	34.13	34.01	33.92	34.06	34.30	34.23
9	34.42	34.41	34.28	34.09	34.07	34.14	34.09	34.00	33.92	34.06	34.29	34.22
10	34.41	34.41	34.26	34.09	34.10	34.11	34.08	33.99	33.92	34.06	34.28	34.23
11	34.39	34.41	34.26	34.08	34.11	34.13	34.08	33.98	33.92	34.07	34.27	34.23
12	34.38	34.41	34.26	34.07	34.10	34.15	34.06	33.97	33.92	34.06	34.28	34.22
13	34.38	34.39	34.27	34.06	34.07	34.15	34.07	33.96	33.92	34.05	34.27	34.23
14	34.38	34.41	34.26	34.05	34.08	34.15	34.08	33.97	33.94	34.05	34.26	34.22
15	34.37	34.40	34.27	34.03	34.06	34.17	34.05	33.94	33.94	34.05	34.26	34.22
16	34.37	34.39	34.26	34.02	34.09	34.16	34.08	33.95	33.93	34.04	34.26	34.21
17	34.36	34.36	34.25	34.01	34.11	34.15	34.03	33.94	33.94	34.05	34.26	34.23
18	34.36	34.35	34.22	34.00	34.11	34.16	34.03	33.92	33.96	34.04	34.25	34.22
19	34.39	34.34	34.25	34.00	34.10	34.16	34.03	33.91	33.96	34.03	34.24	34.22
20	34.39	34.34	34.22	33.99	34.10	34.15	34.02	33.91	33.96	34.02	34.24	34.22
21	34.38	34.33	34.22	33.98	34.11	34.16	34.02	33.94	33.91	34.01	34.27	34.23
22	34.41	34.33	34.22	33.95	34.10	34.15	34.03	33.94	33.93	34.02	34.25	34.23
23	34.41	34.33	34.21	33.96	34.10	34.14	34.02	33.94	33.97	34.01	34.24	34.24
24	34.41	34.33	34.21	33.94	34.11	34.13	34.02	33.95	33.97	34.05	34.24	34.25
25	34.41	34.32	34.18	33.94	34.10	34.14	34.02	33.95	33.97	34.04	34.23	34.25
26	34.41	34.34	34.18	33.95	34.10	34.15	34.01	33.95	33.96	34.03	34.23	34.25
27	34.41	34.33	34.16	33.95	34.08	34.15	34.04	33.93	33.96	34.03	34.23	34.25
28	34.40	34.32	34.14	33.98	34.09	34.15	34.04	33.93	33.98	34.03	34.23	34.25
29	34.41		34.15	33.98	34.08	34.15	34.04	33.96	33.98	34.04	34.24	34.24
30	34.40		34.14	34.00	34.07	34.15	34.03	33.95	33.97	34.04	34.24	34.26
31	34.40		34.13		34.07		34.03	33.94		34.15		34.28
Average	34.42	34.37	34.24	34.03	34.07	34.14	34.07	33.97	33.94	34.05	34.27	34.24

ANNEX 3.H Data of Water Level at Asososca Lake
 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO DE: 1986

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	34.28	34.29	34.19	33.96	33.90	34.12	34.37	34.41	34.34	34.27	34.28	34.14
2	34.28	34.29	34.18	33.95	33.90	34.11	34.40	34.43	34.38	34.27	34.28	34.13
3	34.29	34.29	34.17	33.94	33.89	34.12	34.41	34.42	34.38	34.28	34.27	34.13
4	34.30	34.29	34.17	---	33.89	34.12	34.43	34.40	34.36	34.28	34.27	34.12
5	34.30	34.29	34.16	---	33.88	34.13	34.44	34.40	34.37	34.27	34.26	34.12
6	34.30	34.29	34.15	34.04	33.88	34.16	34.48	34.39	34.35	34.26	34.27	34.11
7	34.31	34.28	34.15	34.04	33.87	34.20	34.48	34.38	34.34	34.26	34.26	34.11
8	34.31	34.28	34.14	34.02	33.86	34.20	34.47	34.39	34.33	34.26	34.30	34.11
9	34.31	34.28	34.14	34.02	33.85	34.20	34.46	34.38	34.33	34.26	34.24	34.11
10	34.30	34.27	34.13	34.02	33.85	34.20	34.45	34.37	34.32	34.26	34.23	34.11
11	34.31	34.27	34.13	34.02	33.85	34.21	34.46	34.36	34.32	34.25	34.22	34.10
12	34.30	34.26	34.13	34.01	33.86	34.22	34.48	34.37	34.31	34.25	34.22	34.10
13	34.30	34.26	34.12	34.01	33.86	34.24	34.48	34.38	34.30	34.24	34.21	34.10
14	34.30	34.26	34.12	34.00	33.85	34.25	34.49	34.37	34.30	34.24	34.22	34.08
15	34.30	34.26	34.12	34.00	33.85	34.25	34.48	34.38	34.29	34.24	34.21	34.09
16	34.31	34.25	34.11	34.00	33.85	34.25	34.48	34.36	34.29	34.30	34.21	34.10
17	34.30	34.25	34.11	34.00	33.84	34.25	34.47	34.40	34.29	34.30	34.20	34.10
18	34.31	34.25	34.13	34.00	33.84	34.24	34.44	34.39	34.29	34.31	34.20	34.09
19	34.30	34.25	34.12	34.00	33.83	34.24	34.44	34.42	34.28	34.32	34.19	34.04
20	34.32	34.24	34.12	33.99	33.83	34.26	34.43	34.42	34.27	34.31	34.18	34.08
21	34.33	34.24	34.11	33.99	33.82	34.27	34.43	34.41	34.26	34.32	34.18	34.07
22	34.34	34.24	34.12	--	33.82	34.31	34.45	34.41	34.26	34.32	34.18	34.07
23	34.31	34.24	34.12	33.95	33.82	34.30	34.46	34.41	34.26	34.31	34.18	34.06
24	34.31	34.22	34.08	33.94	33.84	34.30	34.47	34.40	34.26	34.31	34.18	34.06
25	34.31	34.22	34.07	33.93	33.85	34.32	34.48	34.38	34.26	34.31	34.18	34.05
26	34.31	34.20	34.07	33.93	33.98	34.31	34.46	34.37	34.26	34.31	--	34.05
27	34.31	34.20	34.06	33.92	34.02	34.32	34.46	34.36	34.27	34.30	34.17	34.04
28	34.31	34.19	34.06	33.92	34.07	34.34	34.46	34.36	34.26	34.24	34.16	34.04
29	34.30		34.00	33.91	34.09	34.36	34.45	34.36	34.26	34.30	34.16	34.04
30	34.30		34.00	33.90	34.10	34.34	34.45	34.36	34.26	34.28	34.15	34.04
31	34.29		33.98		34.11		34.42	34.35		34.29		34.51
Average	34.30	34.26	34.11	30.58	33.90	34.24	34.45	34.39	34.30	34.28	33.08	34.10

AÑO DE: 1987

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	34.04	33.90	33.76	33.67	33.59	33.78	33.73	33.83	33.81	33.96	33.88	33.73
2	34.03	33.89	33.76	33.67	33.58	33.78	33.78	33.83	33.80	33.96	33.87	33.73
3	34.02	33.89	33.76	33.67	33.80	33.77	33.80	33.87	33.79	33.95	33.87	33.73
4	34.01	33.89	33.75	33.67	33.80	33.77	33.81	33.95	33.81	33.95	33.87	33.73
5	34.01	33.89	33.75	33.66	33.80	33.76	33.80	33.94	33.85	33.96	33.86	33.72
6	34.05	33.88	33.75	33.65	33.78	33.76	33.79	33.92	33.83	33.98	33.86	33.71
7	34.05	33.88	33.75	33.65	33.78	33.75	33.80	33.92	33.82	33.99	33.85	33.70
8	34.00	33.88	33.75	33.65	33.77	33.74	33.81	33.91	33.81	34.05	33.84	33.70
9	34.00	33.88	33.75	33.64	33.77	33.73	33.80	33.92	33.84	34.00	33.84	33.69
10	33.98	33.87	33.75	33.64	33.76	33.73	33.81	33.91	33.85	34.00	33.85	33.70
11	33.98	33.86	33.75	33.63	33.76	33.72	33.80	33.91	33.85	34.00	33.83	33.69
12	33.97	33.86	33.74	33.63	33.75	33.71	33.81	33.91	33.84	33.98	33.92	33.69
13	33.97	33.90	33.74	33.63	33.74	33.70	33.81	33.89	33.83	34.00	33.81	33.69
14	33.97	33.89	33.74	33.63	33.74	33.69	33.84	33.80	33.82	33.99	33.81	33.69
15	33.96	33.83	33.73	33.63	33.74	33.68	33.84	33.89	33.81	33.97	33.80	33.69
16	33.90	33.82	33.73	33.62	33.73	33.68	33.83	33.80	33.81	33.97	33.79	33.69
17	33.94	33.81	33.73	33.62	33.72	33.68	33.83	33.87	33.79	33.96	33.79	33.69
18	33.93	33.80	33.71	33.62	33.71	33.68	33.82	33.87	33.78	33.96	33.79	33.69
19	33.93	33.80	33.71	33.62	33.71	33.67	33.81	33.86	33.78	33.95	33.78	33.71
20	33.93	33.79	33.71	33.62	33.70	33.67	33.80	33.86	33.78	33.95	33.78	33.70
21	33.92	33.79	33.71	33.61	33.78	33.66	33.80	33.86	33.81	33.94	33.77	33.69
22	33.92	33.79	33.70	33.61	33.87	33.67	33.79	33.86	33.85	33.93	33.77	33.69
23	33.92	33.78	33.70	33.61	33.86	33.68	33.80	33.84	33.85	33.94	33.77	33.69
24	33.92	33.79	33.70	33.61	33.84	33.69	33.80	33.84	33.83	33.93	33.77	33.69
25	33.94	33.77	33.70	33.60	33.91	33.68	33.80	33.84	33.83	33.92	33.77	33.68
26	33.94	33.77	33.69	33.60	33.92	33.68	33.83	33.84	33.83	33.91	33.76	33.68
27	33.92	33.77	33.69	33.60	33.91	33.67	33.82	33.83	33.82	33.91	33.76	33.67
28	33.92	33.76	33.69	33.60	33.80	33.67	33.81	33.83	33.81	33.91	33.76	33.66
29	33.92		33.68	33.60	33.79	33.68	33.83	33.83	33.81	33.89	33.74	33.66
30	33.91		33.68	33.60	33.78	33.70	33.82	33.82	33.81	33.89	33.74	33.66
31	33.90		33.68		33.78		33.84	33.81		33.88		33.66
Average	33.96	33.84	33.72	33.63	33.77	33.71	33.81	33.87	33.82	33.95	33.81	33.69

ANNEX 3.H Data of Water Level at Asososca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)

ENACAL - MANAGUA

AÑO DE: 1988

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	33.65	33.49	33.36	33.36	33.34	33.86	34.46	34.77	35.18	35.47	35.87	35.96
2	33.65	33.48	33.35	33.38	33.34	33.87	34.49	34.77	35.19	35.47	35.87	36.00
3	33.65	33.47	33.35	33.38	33.35	33.87	34.54	34.80	35.20	35.48	35.86	36.00
4	33.64	33.47	33.35	33.37	33.35	33.90	34.57	34.82	35.19	35.48	35.86	36.00
5	33.64	33.47	33.35	33.36	33.34	33.92	34.56	34.83	35.19	35.48	35.86	36.00
6	33.63	33.46	33.37	33.38	33.34	33.91	34.58	34.83	35.19	35.48	35.86	36.00
7	33.62	33.46	33.36	33.37	33.35	33.90	34.58	34.84	35.19	35.49	35.87	36.00
8	33.62	33.46	33.38	33.37	33.36	33.90	34.60	34.84	35.20	35.50	35.87	36.00
9	33.61	33.46	33.39	33.37	33.36	33.90	34.60	34.86	35.20	35.52	35.87	36.02
10	33.60	33.45	33.39	33.37	33.38	33.91	34.61	34.94	35.21	35.52	35.86	36.02
11	33.60	33.44	33.39	33.26	33.39	33.95	34.61	34.95	35.22	35.52	35.86	36.02
12	33.60	33.44	33.40	33.37	33.40	33.97	34.62	34.95	35.26	35.54	35.86	36.02
13	33.60	33.43	33.40	33.40	33.40	34.02	34.64	34.95	35.26	35.56	35.87	36.03
14	33.60	33.43	33.40	33.39	33.41	34.08	34.65	34.95	35.27	35.58	35.87	36.02
15	33.60	33.42	33.41	33.39	33.48	34.09	34.65	34.95	35.29	35.58	35.86	36.02
16	33.59	33.42	33.42	33.38	33.49	34.10	34.65	35.00	35.30	35.62	35.86	36.03
17	33.59	33.41	33.39	33.41	33.51	34.10	34.67	35.00	35.30	35.62	35.88	36.03
18	33.59	33.41	33.40	33.40	33.53	34.11	34.68	35.00	35.30	35.66	35.88	36.02
19	33.58	33.41	33.41	33.42	33.56	34.20	34.68	35.05	35.30	35.66	35.88	36.02
20	33.58	33.41	33.41	33.41	33.59	34.23	34.68	35.02	35.31	35.67	35.90	36.02
21	33.58	33.41	33.40	33.40	33.68	34.30	34.68	35.04	35.35	35.68	35.91	36.02
22	33.57	33.40	33.40	33.40	33.68	34.30	34.70	35.06	35.37	35.68	35.94	36.05
23	33.55	33.40	33.40	33.40	33.68	34.32	34.70	35.06	35.37	35.83	35.94	36.03
24	33.55	33.39	33.40	33.40	33.69	34.32	34.70	35.10	35.36	35.85	35.94	36.02
25	33.54	33.40	33.40	33.38	33.69	34.34	34.72	35.04	35.38	35.86	35.95	36.02
26	33.53	33.39	33.39	33.37	33.70	34.37	34.72	35.10	35.40	35.88	35.97	36.03
27	33.52	33.39	33.38	33.37	33.73	34.38	34.74	35.12	35.40	35.88	35.97	36.02
28	33.52	33.38	33.37	33.35	33.79	34.38	34.74	35.13	35.47	35.88	35.97	36.02
29	33.51	33.37	33.36	33.36	33.81	34.44	34.75	35.13	35.47	35.88	35.99	36.02
30	33.50		33.37	33.34	33.84	34.44	34.75	35.14	35.47	35.87	35.99	36.04
31	33.49		33.36		33.86		34.77	35.14		35.86	35.99	36.03
Average	33.58	33.43	33.38	33.38	33.53	34.11	34.65	34.97	35.29	35.65	37.10	36.02

AÑO DE: 1989

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.02	36.03	36.07	36.06	35.94	35.67	35.77	35.70	35.79	36.09	35.80	35.54
2	36.01	36.04	36.08	36.06	35.93	35.65	35.78	35.70	35.79	36.07	35.79	35.55
3	36.01	36.04	36.07	36.05	35.92	35.65	35.77	35.71	35.79	36.05	35.78	35.57
4	36.01	36.03	36.08	36.06	35.92	35.63	35.77	35.72	35.83	36.04	35.77	35.58
5	36.01	36.03	36.07	36.05	35.93	35.62	35.78	35.72	35.83	36.02	35.76	35.58
6	36.01	36.04	36.07	36.06	35.92	35.61	35.76	35.72	35.84	36.01	35.75	35.57
7	36.01	36.04	36.07	36.05	35.90	35.64	35.76	35.72	35.84	36.00	35.75	35.57
8	36.01	36.04	36.08	36.05	35.88	35.63	35.76	35.72	35.84	36.00	35.74	35.56
9	36.03	36.04	36.07	36.05	35.88	35.64	35.77	35.73	35.85	35.99	35.73	35.55
10	36.03	36.03	36.07	36.05	35.88	35.66	35.76	35.74	35.85	35.98	35.73	35.54
11	36.01	36.04	36.07	36.05	35.87	35.66	35.76	35.75	35.85	35.97	35.72	35.53
12	36.02	36.05	36.07	36.05	35.87	35.65	35.75	35.76	35.85	35.98	35.72	35.53
13	36.02	36.05	36.05	36.05	35.87	35.65	35.73	35.75	35.86	35.98	35.72	35.52
14	36.03	36.05	36.05	36.05	35.86	35.67	35.72	35.75	35.86	35.97	35.71	35.51
15	36.04	36.06	36.05	36.05	35.84	35.68	35.76	35.76	35.87	35.95	35.70	35.51
16	36.03	36.08	36.05	36.05	35.84	35.73	35.72	35.76	35.87	35.94	35.69	35.49
17	36.04	36.06	36.05	36.01	35.82	35.74	35.68	35.77	35.93	35.93	35.68	35.49
18	36.04	36.08	36.05	36.01	35.82	35.74	35.66	35.77	35.97	35.92	35.67	35.50
19	36.03	36.08	36.06	36.00	35.81	35.72	35.65	35.77	36.04	35.91	35.66	35.49
20	36.03	36.07	36.06	36.00	35.81	35.71	35.64	35.77	36.04	35.90	35.65	35.49
21	36.04	36.07	36.05	36.00	35.80	35.72	35.63	35.78	36.07	35.89	35.64	35.48
22	36.04	36.07	36.05	36.00	35.79	35.72	35.63	35.78	36.02	35.89	35.63	35.47
23	36.04	36.07	36.05	36.00	35.78	35.72	35.64	35.78	36.01	35.88	35.62	35.47
24	36.03	36.07	36.05	35.97	35.77	35.71	35.61	35.80	36.01	35.88	35.60	35.46
25	36.03	36.07	36.05	35.97	35.77	35.72	35.62	35.80	36.02	35.87	35.58	35.45
26	36.03	36.08	36.05	35.97	35.78	35.72	35.62	35.78	36.01	35.86	35.57	35.44
27	36.03	36.07	36.05	35.96	35.76	35.71	35.63	35.80	36.01	35.85	35.56	35.42
28	36.04	36.07	36.05	35.97	35.74	35.76	35.68	35.78	36.02	35.84	35.55	35.42
29	36.04		36.05	35.97	35.74	35.77	35.70	35.78	36.01	35.84	35.54	35.43
30	36.04		36.05	35.96	35.70	35.77	35.70	35.78	36.03	35.82	35.54	35.42
31	36.04		36.06		35.68		35.70	35.78		35.81		35.42
Average	36.03	36.06	36.06	36.02	35.83	35.69	35.71	35.76	35.92	35.94	35.68	35.50

ANNEX 3.H Data of Water Level at Asososca Lake
 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO DE: 1990

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.41	35.36	35.22	35.09	35.01	34.93	34.83	34.74	34.73	34.80	35.11	35.18
2	35.41	35.37	35.22	35.09	35.01	34.92	34.84	34.74	34.73	34.81	35.15	35.19
3	35.41	35.36	35.22	35.09	35.00	34.92	34.83	34.74	34.71	34.82	35.17	35.20
4	35.40	35.36	35.22	35.09	34.99	34.91	34.86	34.73	34.70	34.86	35.18	35.20
5	35.40	35.35	35.22	35.09	34.99	34.90	34.86	34.78	34.71	34.87	35.15	35.22
6	35.40	35.36	35.22	35.09	34.98	34.90	34.86	34.77	34.70	34.88	35.18	35.22
7	35.40	35.35	35.22	35.08	34.96	34.89	34.85	34.76	34.70	34.98	35.18	35.20
8	35.39	35.35	35.22	35.08	34.95	34.89	34.85	34.75	34.70	35.01	35.18	35.23
9	35.38	35.34	35.22	35.08	34.94	34.89	34.83	34.75	34.70	35.03	35.18	35.22
10	35.39	35.34	35.21	35.08	34.92	34.87	34.82	34.74	34.70	35.04	35.18	35.21
11	35.38	35.33	35.21	35.08	34.91	34.86	34.81	34.74	34.70	35.04	35.17	35.22
12	35.37	35.32	35.20	35.07	34.90	34.88	34.80	34.74	34.70	35.05	35.17	35.22
13	35.37	35.32	35.20	35.07	34.89	34.87	34.82	34.73	34.72	35.07	35.17	35.21
14	35.38	35.32	35.19	35.07	34.89	34.87	34.81	34.73	34.72	35.08	35.17	35.22
15	35.38	35.32	35.19	35.07	34.89	34.88	34.81	34.74	34.73	35.09	35.17	35.23
16	35.38	35.32	35.18	35.07	34.88	34.87	34.81	34.75	34.71	35.09	35.17	35.22
17	35.38	35.32	35.17	35.07	34.87	34.88	34.80	34.75	34.72	35.10	35.17	35.22
18	35.38	35.31	35.16	35.08	34.87	34.86	34.80	34.74	34.70	35.12	35.16	35.23
19	35.38	35.31	35.15	35.08	34.86	34.86	34.80	34.74	34.70	35.13	35.16	35.22
20	35.39	35.30	35.15	35.07	34.86	34.86	34.80	34.73	34.70	35.12	35.16	35.22
21	35.39	35.28	35.14	35.07	34.85	34.85	34.80	34.72	34.70	35.12	35.16	35.23
22	35.39	35.27	35.14	35.06	34.84	34.85	34.79	34.73	34.71	35.11	35.16	35.22
23	35.39	35.26	35.14	35.06	34.89	34.84	34.79	34.72	34.70	35.10	35.16	35.23
24	35.39	35.25	35.14	35.05	34.90	34.84	34.78	34.72	34.69	35.11	35.16	35.23
25	35.39	35.25	35.13	35.04	34.90	34.85	34.78	34.72	34.69	35.15	35.14	35.22
26	35.39	35.24	35.12	35.04	34.90	34.84	34.77	34.71	34.69	35.12	35.15	35.22
27	35.38	35.23	35.11	35.03	34.90	34.84	34.77	34.70	34.69	35.15	35.16	35.22
28	35.38	35.23	35.11	35.03	34.90	34.84	34.77	34.69	34.73	35.12	35.17	35.22
29	35.38		35.11	35.02	34.91	34.84	34.76	34.70	34.77	35.11	35.17	35.23
30	35.37		35.10	35.02	34.92	34.84	34.75	34.69	34.77	35.11	35.17	35.23
31	35.37		35.10		34.91		34.74	34.74		35.11		35.22
Average	35.39	35.31	35.17	35.07	34.92	34.87	34.81	34.73	34.71	35.04	35.16	35.22

AÑO DE: 1991

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.21	35.14	35.01	34.75	34.56	34.66	34.72	34.66	34.73	34.76	35.01	35.19
2	35.20	35.15	35.00	34.75	34.55	34.66	34.71	34.69	34.72	34.77	35.01	35.19
3	35.20	35.16	34.99	34.74	34.55	34.65	34.72	34.69	34.71	34.77	35.01	35.20
4	35.21	35.13	34.98	34.74	34.55	34.64	34.71	34.71	34.70	34.78	35.02	35.21
5	35.21	35.13	34.97	34.73	34.56	34.64	34.70	34.70	34.70	34.80	35.02	35.21
6	35.20	35.13	34.96	34.73	34.55	34.63	34.69	34.70	34.69	34.80	35.05	35.21
7	35.20	35.13	35.01	34.72	34.55	34.63	34.69	34.72	34.69	34.82	35.06	35.19
8	35.20	35.12	34.95	34.70	34.54	34.63	34.68	34.74	34.70	34.82	35.05	35.19
9	35.19	35.10	34.94	34.70	34.54	34.62	34.69	34.74	34.68	34.82	35.08	35.19
10	35.19	35.10	34.93	34.70	34.54	34.62	34.69	34.74	34.68	34.82	35.09	35.19
11	35.18	35.09	34.93	34.69	34.54	34.61	34.69	34.74	34.67	34.87	35.09	35.19
12	35.19	35.09	34.92	34.69	34.53	34.60	34.68	34.73	34.69	34.86	35.09	35.20
13	35.18	35.09	34.92	34.69	34.51	34.59	34.69	34.72	34.69	34.88	35.09	35.20
14	35.16	35.08	34.91	34.69	34.51	34.60	34.68	34.72	34.69	34.88	35.10	35.20
15	35.15	35.08	34.91	34.67	34.50	34.62	34.67	34.72	34.68	34.90	35.11	35.20
16	35.15	35.08	34.90	34.67	34.59	34.62	34.66	34.71	34.67	34.90	35.13	35.20
17	35.18	35.07	34.89	34.66	34.65	34.62	34.66	34.70	34.66	34.91	35.15	35.20
18	35.17	35.05	34.88	34.66	34.66	34.62	34.66	34.69	34.65	34.91	35.14	35.21
19	35.16	35.05	34.87	34.65	34.66	34.63	34.67	34.67	34.65	34.94	35.14	35.22
20	35.16	35.05	34.88	34.64	34.64	34.61	34.66	34.66	34.65	34.94	35.16	35.22
21	35.16	35.04	34.88	34.64	34.68	34.62	34.66	34.64	34.70	34.93	35.17	35.22
22	35.16	35.04	34.88	34.63	34.67	34.62	34.67	34.64	34.72	34.93	35.16	35.22
23	35.15	35.05	34.83	34.63	34.69	34.61	34.66	34.65	34.75	34.93	35.16	35.22
24	35.15	35.05	34.82	34.63	34.70	34.61	34.66	34.66	34.76	34.95	35.17	35.22
25	35.15	35.02	34.81	34.61	34.70	34.62	34.66	34.66	34.77	34.95	35.17	35.22
26	35.15	35.01	34.80	34.66	34.70	34.64	34.68	34.66	34.77	34.96	35.17	35.21
27	35.17	35.01	34.77	34.65	34.68	34.78	34.66	34.64	34.77	34.96	35.17	35.22
28	35.15	35.01	34.77	34.60	34.67	34.71	34.67	34.63	34.77	34.98	35.17	35.22
29	35.15		34.77	34.57	34.66	34.74	34.67	34.64	34.77	34.98	35.17	35.23
30	35.15		34.76	34.56	34.65	34.73	34.67	34.63	34.77	34.99	35.18	35.22
31	35.14		34.76		34.67		34.67	34.74		35.00		35.22
Average	35.17	35.08	34.89	34.67	34.60	34.64	34.68	34.69	34.71	34.89	35.11	35.21

ANNEX 3.H Data of Water Level at Asoscosca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO DE: 1992

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.22	35.28	35.26	35.16	34.98	34.96	35.30	35.66	35.80	--	36.11	36.01
2	35.23	35.30	35.26	35.16	34.97	34.98	35.31	35.66	35.80	--	36.11	36.01
3	35.23	35.30	35.25	35.16	34.96	34.98	35.33	35.67	35.81	--	36.12	36.01
4	35.24	35.31	35.24	35.14	34.95	34.97	35.33	35.68	35.81	--	36.12	36.00
5	35.24	35.32	35.23	35.15	34.94	34.97	35.34	35.68	35.83	36.06	36.12	36.00
6	35.24	35.33	35.21	35.15	34.94	35.01	35.34	35.68	35.83	36.05	36.12	35.99
7	35.24	35.34	35.20	35.15	34.94	35.01	35.36	35.69	35.82	36.05	36.12	35.99
8	35.25	35.34	35.21	35.15	34.93	35.01	35.37	35.70	35.83	36.05	36.11	35.99
9	35.26	35.35	35.20	35.14	34.94	35.02	35.38	35.70	35.83	36.06	36.11	35.99
10	35.26	35.34	35.20	35.13	34.94	35.05	35.40	35.69	35.83	36.07	36.12	35.98
11	35.27	35.35	35.19	35.14	34.93	35.05	35.40	35.69	35.82	36.08	36.12	35.98
12	35.28	35.34	35.19	35.12	34.93	35.08	35.42	35.71	35.82	36.08	36.12	35.98
13	35.28	35.33	35.18	35.11	34.92	35.10	35.43	35.72	35.83	36.09	36.12	35.96
14	35.28	35.31	35.19	35.10	34.92	35.10	35.44	35.73	35.83	36.09	36.12	35.96
15	35.29	35.30	35.18	35.10	34.92	35.11	35.45	35.75	35.83	36.09	36.12	35.96
16	35.29	35.30	35.18	35.08	34.92	35.12	35.48	35.75	35.83	36.10	36.11	35.95
17	35.30	35.29	35.18	35.08	34.93	35.13	35.48	35.75	35.83	36.10	36.12	35.95
18	35.29	35.30	35.18	35.07	34.93	35.14	35.50	35.75	35.86	36.09	36.11	35.95
19	35.29	35.30	35.17	35.06	34.95	35.15	35.51	35.75	35.87	36.08	36.12	35.95
20	35.29	35.29	35.16	35.06	34.85	35.18	35.52	35.76	35.87	36.08	36.12	35.94
21	35.29	35.29	35.17	35.06	34.84	35.20	35.54	35.76	35.86	36.08	36.10	35.94
22	35.29	35.29	35.16	35.07	34.87	35.20	35.54	35.77	35.86	36.09	36.10	35.92
23	35.31	35.28	35.16	35.05	34.88	35.21	35.36	35.77	35.87	36.10	36.09	35.92
24	35.31	35.27	35.16	35.05	34.88	35.25	35.59	35.76	35.94	36.11	36.08	35.92
25	35.31	35.27	35.16	35.05	34.88	35.24	35.60	35.75	35.98	36.10	36.09	35.92
26	35.31	35.27	35.15	35.04	34.88	35.24	35.62	35.76	35.98	36.11	36.07	35.91
27	35.30	35.29	35.15	35.03	34.89	35.25	35.62	35.77	35.98	36.10	36.07	35.90
28	35.32	35.27	35.15	35.01	34.91	35.26	35.64	35.77	--	36.10	36.04	35.90
29	35.30	35.27	35.14	35.01	34.92	35.26	35.66	35.77	--	36.10	36.02	35.90
30	35.30		35.16	34.99	34.94	35.28	35.66	35.78	--	36.10	36.01	35.89
31	35.30		35.16		34.95		35.66	35.78		36.11		35.89
Average	35.28	35.30	35.19	35.09	34.92	35.12	35.47	35.73	35.85	31.43	36.10	35.95

AÑO DE: 1993

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.88	35.81	35.69	35.44	35.24	35.56	35.72	35.85	36.15	36.41	36.60	36.70
2	35.87	35.81	35.68	35.43	35.24	35.56	35.72	35.89	36.14	36.41	36.60	36.70
3	35.87	35.80	35.68	35.42	35.23	35.56	35.74	35.89	36.14	36.42	36.60	36.70
4	35.87	35.80	35.67	35.41	35.22	35.55	35.76	35.90	36.15	36.41	36.61	36.70
5	35.86	35.80	35.66	35.40	35.23	35.55	35.77	35.92	36.14	36.40	36.62	36.70
6	35.86	35.80	35.66	35.39	35.22	35.54	35.78	35.93	36.14	36.40	36.61	36.70
7	35.86	35.80	35.66	35.38	35.22	35.53	35.78	35.94	36.14	36.39	36.62	36.70
8	35.86	35.80	35.65	35.37	35.22	35.52	35.79	35.96	36.15	36.40	36.62	36.70
9	35.87	35.80	35.65	35.36	35.23	35.49	35.79	35.96	36.16	36.41	36.62	36.00
10	35.87	35.80	35.64	35.36	35.22	35.49	35.80	35.96	36.16	36.41	36.62	36.70
11	35.87	35.79	35.64	35.35	35.22	35.48	35.80	35.03	36.17	36.42	36.62	36.70
12	35.87	35.79	35.63	35.33	35.21	35.46	35.80	36.07	36.16	36.43	36.62	36.70
13	35.87	35.79	35.62	35.32	35.23	35.47	35.81	36.09	36.16	36.43	36.63	36.70
14	35.87	35.79	35.61	35.32	35.24	35.47	35.82	36.08	36.16	36.47	36.63	36.70
15	35.87	35.78	35.59	35.32	35.25	35.49	35.81	36.08	36.16	36.49	36.63	36.70
16	35.87	35.77	35.58	35.32	35.26	35.50	35.82	36.11	36.21	36.50	36.64	36.70
17	35.87	35.77	35.57	35.32	35.25	35.53	35.82	36.11	36.33	36.50	36.65	36.70
18	35.87	35.76	35.57	35.32	35.33	35.55	35.82	36.11	36.39	36.50	36.64	36.70
19	35.87	35.75	35.56	35.31	35.33	35.60	35.82	36.12	36.37	36.50	36.64	36.69
20	35.87	35.74	35.55	35.30	35.34	35.60	35.83	36.11	36.37	36.51	36.65	36.69
21	35.87	35.73	35.54	35.30	35.34	35.60	35.82	36.11	36.40	36.54	36.65	36.69
22	35.86	35.72	35.54	35.30	35.38	35.61	35.82	36.10	36.41	36.55	36.66	36.69
23	35.86	35.71	35.53	35.30	35.37	35.61	35.83	36.10	36.40	36.55	36.67	36.69
24	35.86	35.72	35.51	35.29	35.36	35.61	35.83	36.10	36.39	36.56	36.66	36.69
25	35.85	35.71	35.51	35.28	35.40	35.63	35.83	36.11	36.39	36.56	36.68	36.69
26	35.85	35.70	35.50	35.27	35.40	35.66	35.83	36.12	36.39	36.56	36.70	36.67
27	35.85	35.70	35.49	35.26	35.46	35.66	35.83	36.15	36.39	36.57	36.69	36.67
28	35.85	35.70	35.48	35.26	35.48	35.66	35.83	36.15	36.40	36.59	36.70	36.67
29	35.85		35.46	35.26	35.49	35.66	35.84	36.14	36.40	36.59	36.70	36.67
30	35.83		35.45	35.25	35.54	35.68	35.86	36.14	36.40	36.60	36.70	36.67
31	35.83		35.45		35.54		35.86	36.14		36.60		36.66
Average	35.86	35.77	35.58	35.33	35.31	35.56	35.81	36.02	36.26	36.49	36.64	36.67

ANNEX 3.H Data of Water Level at Asososca Lake

 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO DE: 1994

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.66	36.62	36.65	36.33	36.22	36.41	36.49	36.26	36.25	36.40	36.61	36.81
2	36.66	36.62	36.54	36.32	36.22	36.42	36.48	36.75	36.25	36.40	36.61	36.81
3	36.66	36.61	36.53	36.32	36.23	36.43	36.46	36.24	36.25	36.40	36.65	36.82
4	36.66	36.61	36.52	36.31	36.23	36.44	36.46	36.23	36.25	36.40	36.65	36.82
5	36.66	36.61	36.51	36.30	36.23	36.44	36.47	36.24	36.24	36.40	36.65	36.82
6	36.65	36.61	36.51	36.30	36.23	36.45	36.46	36.23	36.24	36.40	36.66	36.82
7	36.65	36.61	36.50	36.30	36.23	36.46	36.45	36.22	36.24	36.40	36.68	36.82
8	36.65	36.61	36.50	36.30	36.23	36.46	36.44	36.23	36.24	36.40	36.68	36.83
9	36.65	36.61	36.49	36.28	36.22	36.46	36.42	36.23	36.24	36.41	36.69	36.84
10	36.65	36.61	36.48	36.28	36.22	36.48	36.41	36.22	36.24	36.41	36.72	36.84
11	36.65	36.61	36.48	36.27	36.22	36.49	36.39	36.23	36.24	36.41	36.72	36.84
12	36.65	36.61	36.47	36.27	36.22	36.48	36.37	36.22	36.25	36.42	36.75	36.84
13	36.65	36.61	36.47	36.26	36.22	36.48	36.37	36.22	36.26	36.42	36.76	36.84
14	36.65	36.60	36.46	36.25	36.22	36.50	36.36	36.22	36.31	36.43	36.76	36.85
15	36.65	36.59	36.45	36.25	36.22	36.50	36.35	36.23	36.31	36.43	36.76	36.83
16	36.65	36.60	36.44	36.24	36.27	36.50	36.34	36.22	36.31	36.43	36.76	36.83
17	36.65	36.60	36.45	36.24	36.22	36.50	36.32	36.21	36.31	36.44	36.76	36.83
18	36.65	36.60	36.44	36.24	36.23	36.50	36.31	36.21	36.31	36.52	36.76	36.83
19	36.65	36.60	36.43	36.23	36.23	36.51	36.29	36.20	36.32	36.55	36.77	36.83
20	36.65	36.60	36.43	36.22	36.24	36.51	36.31	36.20	36.32	36.55	36.77	36.83
21	36.65	36.59	36.43	36.22	36.25	36.51	36.31	36.21	36.31	36.55	36.77	36.84
22	36.65	36.59	36.43	36.22	36.26	36.55	36.32	36.21	36.37	36.55	36.79	36.84
23	36.64	36.58	36.43	36.22	36.26	36.55	36.32	36.20	36.36	36.58	36.79	36.85
24	36.64	36.58	36.43	36.21	36.27	36.56	36.33	36.21	36.36	36.58	36.79	36.85
25	36.63	36.57	36.43	36.20	36.27	36.55	36.33	36.21	36.37	36.58	36.79	36.85
26	36.63	36.56	36.40	36.20	36.32	36.55	36.32	36.21	36.37	36.59	36.80	36.85
27	36.63	36.55	36.38	36.20	36.38	36.54	36.30	36.21	36.39	36.60	36.80	36.86
28	36.62	36.55	36.38	36.19	36.37	36.54	36.29	36.21	36.39	36.60	36.80	36.86
29	36.62		36.34	36.18	36.39	36.52	36.28	36.21	36.41	36.60	36.80	36.87
30	36.62		36.35	36.21	36.40	36.51	36.27	36.21	36.41	36.61	36.81	36.87
31	36.62		36.35		36.41		36.27	36.21		36.61		36.87
Average	36.65	36.60	36.45	36.25	36.26	36.49	36.36	36.24	36.30	36.49	36.74	36.84

AÑO DE: 1995

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.87	36.86	36.82	36.71	36.78	36.78	37.10	37.31	37.76	38.10	38.40	38.56
2	36.88	36.86	36.82	36.71	36.79	36.78	37.10	37.34	37.77	38.11	38.41	38.56
3	36.89	36.86	36.81	36.69	36.81	36.78	37.10	37.36	37.78	38.11	38.41	38.57
4	36.88	36.86	36.80	36.69	36.81	36.82	37.10	37.37	37.78	38.14	38.42	38.57
5	36.88	36.86	36.79	36.69	36.82	36.84	37.10	37.38	37.79	38.14	38.43	38.57
6	36.88	36.86	36.79	36.69	36.83	36.87	37.11	37.39	37.79	38.15	38.44	38.57
7	36.88	36.86	36.78	36.69	36.83	36.88	37.11	37.41	37.80	38.16	38.44	38.57
8	36.88	36.86	36.78	36.70	36.84	36.88	37.12	37.41	37.82	38.21	38.45	38.58
9	36.88	36.86	36.78	36.72	36.84	36.89	37.12	37.41	37.86	38.21	38.45	38.58
10	36.88	36.86	36.77	36.73	36.83	36.90	37.12	37.43	37.90	38.21	38.46	38.59
11	36.87	36.86	36.76	36.74	36.83	36.89	37.12	37.44	37.90	38.22	38.47	38.59
12	36.86	36.86	36.76	36.74	36.83	36.88	37.13	37.45	37.93	38.22	38.47	38.60
13	36.86	36.86	36.75	36.73	36.83	36.88	37.13	37.46	37.94	38.23	38.48	38.60
14	36.86	36.86	36.75	36.73	36.82	36.88	37.13	37.47	37.95	38.24	38.48	38.61
15	36.86	36.86	36.75	36.75	36.82	36.88	37.13	37.49	37.96	38.24	38.48	38.61
16	36.87	36.86	36.74	36.75	36.81	36.91	37.15	37.50	37.97	38.25	38.49	38.61
17	36.87	36.86	36.75	36.75	36.81	36.93	37.16	37.54	37.99	38.27	38.49	38.62
18	36.87	36.85	36.75	36.75	36.81	36.93	37.16	37.58	38.00	38.33	38.49	38.62
19	36.87	36.85	36.74	36.77	36.80	36.96	37.19	37.58	38.01	38.34	38.50	38.63
20	36.87	36.85	36.73	36.80	36.80	36.98	37.20	37.60	--	38.34	38.51	38.63
21	36.87	36.85	36.73	36.80	36.81	37.00	37.20	37.60	--	38.35	38.51	38.64
22	36.87	36.84	36.73	36.79	36.82	37.03	37.21	37.61	--	38.36	38.52	38.64
23	36.88	36.84	36.73	36.79	36.81	37.02	37.22	37.61	--	38.36	38.52	38.64
24	36.88	36.83	36.72	36.78	36.79	37.02	37.24	37.61	38.01	38.36	38.52	38.65
25	36.88	36.83	36.73	36.79	36.79	37.05	37.25	37.63	38.04	38.36	38.53	38.65
26	36.87	36.82	36.74	36.78	36.78	37.09	37.25	37.64	38.05	38.37	38.53	38.65
27	36.87	36.82	36.73	36.77	36.78	37.10	37.26	37.65	38.07	38.37	38.54	38.66
28	36.87	36.82	36.74	36.76	36.77	37.09	37.29	37.65	38.08	38.38	38.54	38.66
29	36.86		36.73	36.76	36.78	37.09	37.30	37.66	38.08	38.38	38.55	38.66
30	36.86		36.73	36.78	36.78	37.09	37.30	37.70	38.09	38.38	38.55	38.66
31	36.86		36.72		36.78		37.31	37.74		38.40		38.66
Average	36.87	36.85	36.76	36.74	36.81	36.94	37.17	37.52	32.87	38.27	38.48	38.61

ANNEX 3.H Data of Water Level at Asososca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO DE: 1996

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	38.67	38.68	38.35	37.89	37.49	37.66	37.91	38.26	38.27	38.46	38.82	39.03
2	38.67	38.69	38.33	37.88	37.47	37.66	37.91	38.25	38.28	38.48	38.82	39.02
3	38.70	38.69	38.31	37.86	37.46	37.68	37.90	38.24	38.28	38.51	38.83	39.02
4	38.70	38.66	38.30	37.84	37.45	37.68	37.93	38.24	38.28	38.46	38.83	39.02
5	38.71	38.63	38.29	37.83	37.44	37.67	37.95	38.23	38.31	38.44	38.83	39.04
6	38.71	38.63	38.27	37.83	37.44	37.68	37.96	38.21	38.31	38.44	38.80	39.04
7	38.71	38.61	38.26	37.82	37.43	37.70	37.96	38.23	38.29	38.43	38.80	39.05
8	38.71	38.59	38.24	37.82	37.42	37.70	37.96	38.25	38.29	38.42	38.80	39.02
9	38.72	38.60	38.22	37.81	37.42	37.70	37.96	38.28	38.29	38.43	38.81	39.03
10	38.72	38.58	38.20	37.80	37.43	37.72	37.96	38.30	38.29	38.48	38.82	39.02
11	38.71	38.58	38.18	37.79	37.43	37.72	37.96	38.28	38.30	38.52	38.82	39.03
12	38.72	38.58	38.16	37.78	37.44	37.73	37.96	38.29	38.30	38.53	38.82	39.02
13	38.72	38.57	38.14	37.76	37.45	37.72	37.98	38.29	38.29	38.58	38.81	39.01
14	38.72	38.56	38.13	37.75	37.44	37.72	38.00	38.28	38.29	38.58	38.81	39.01
15	38.72	38.55	38.11	37.74	37.44	37.72	38.00	38.27	38.28	38.58	38.84	39.00
16	38.72	38.54	38.10	37.73	37.44	37.72	38.00	38.26	38.29	38.64	38.84	39.00
17	38.72	38.54	38.09	37.71	37.50	37.74	38.00	38.26	38.29	38.71	38.86	38.99
18	38.72	38.53	38.09	37.69	37.57	37.75	38.04	38.26	38.28	38.72	38.85	38.98
19	38.73	38.53	38.08	37.68	37.60	37.75	38.05	38.27	38.29	38.76	38.88	38.97
20	38.73	38.52	38.06	37.66	37.61	37.75	38.06	38.27	38.30	38.78	38.88	38.96
21	38.73	38.50	38.04	37.64	37.61	37.77	38.07	38.24	38.32	38.79	38.92	38.96
22	38.74	38.49	38.02	37.63	37.61	37.77	38.08	38.27	38.34	38.80	38.97	38.94
23	38.74	38.48	38.00	37.61	37.61	37.77	38.10	38.28	38.35	38.80	38.98	38.94
24	38.75	38.47	38.00	37.59	37.61	37.78	38.11	38.28	38.36	38.80	38.98	38.92
25	38.74	38.46	37.98	37.58	37.63	37.79	38.11	38.28	38.38	38.80	38.98	38.91
26	38.74	38.44	37.98	37.56	37.63	37.87	38.11	38.29	38.38	38.80	38.98	38.91
27	38.74	38.42	37.96	37.54	37.65	37.87	38.11	38.29	38.40	38.80	39.00	38.93
28	38.74	38.39	37.94	37.53	37.66	37.86	38.10	38.28	38.42	38.82	39.00	38.92
29	38.72	38.37	37.93	37.52	37.66	37.86	38.28	38.28	38.43	38.82	39.00	38.91
30	38.70		37.90	37.51	37.65	37.88	38.29	38.25	38.45	38.82	39.01	38.90
31	38.69		37.90		37.66		38.28	38.27		38.82		38.88
Average	38.72	38.55	38.11	37.71	37.53	37.75	38.04	38.27	38.32	38.64	38.88	38.98

AÑO 1997

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	38.85	38.57	38.24	37.78	37.12	36.69	37.25	37.42	37.32	37.36	37.47	37.74
2	38.87	38.56	38.22	37.76	37.11	36.68	37.26	37.43	37.32	37.38	37.47	37.74
3	38.85	38.55	38.21	37.72	37.10	36.68	37.27	37.42	37.31	37.36	37.47	37.75
4	38.86	38.54	38.20	37.69	37.08	36.72	37.28	37.43	37.31	37.38	37.47	37.76
5	38.84	38.53	38.18	37.66	37.06	36.72	37.28	37.42	37.31	37.39	37.46	37.75
6	38.85	38.52	38.16	37.63	37.03	36.76	37.28	37.42	37.31	37.38	37.46	37.74
7	38.84	38.51	38.13	37.60	37.00	36.90	37.30	37.42	37.31	37.39	37.46	37.72
8	38.84	38.50	38.10	37.57	36.98	36.94	37.30	37.42	37.32	37.40	37.47	37.72
9	38.81	38.49	38.10	37.54	36.95	36.94	37.32	37.41	37.32	37.40	37.47	37.71
10	38.80	38.48	38.08	37.52	36.93	36.96	37.33	37.42	37.32	37.40	37.48	37.71
11	38.79	38.47	38.07	37.50	36.90	36.96	37.35	37.44	37.32	37.41	37.49	37.70
12	38.78	38.46	38.05	37.47	36.90	36.98	37.36	37.43	37.32	37.41	37.50	37.69
13	38.78	38.46	38.03	37.44	36.89	37.02	37.38	37.41	37.32	37.45	37.50	37.69
14	38.78	38.45	38.01	37.42	36.88	37.03	37.38	37.42	37.33	37.46	37.54	37.68
15	38.78	38.44	38.00	37.40	36.86	37.07	37.40	37.43	37.32	37.46	37.55	37.69
16	38.76	38.43	37.98	37.37	36.84	37.10	37.40	37.43	37.32	37.48	37.55	37.68
17	38.76	38.39	37.96	37.34	36.82	37.09	37.42	37.42	37.32	37.48	37.56	37.66
18	38.74	38.38	37.94	37.32	36.80	37.09	37.42	37.44	37.32	37.48	37.56	37.65
19	38.73	38.37	37.92	37.30	36.78	37.11	37.43	37.42	37.32	37.52	37.59	37.64
20	38.71	38.36	37.90	37.28	36.76	37.13	37.44	37.40	37.34	37.52	37.60	37.63
21	38.69	38.34	37.88	37.27	36.74	37.14	37.45	37.42	37.34	37.52	37.61	37.64
22	38.68	38.33	37.86	37.24	36.73	37.15	37.45	37.40	37.34	37.50	37.62	37.63
23	38.66	38.32	37.86	37.25	36.70	37.16	37.44	37.39	37.34	37.51	37.62	37.63
24	38.66	38.31	37.84	37.26	36.70	37.17	37.43	37.39	37.33	37.51	37.65	37.62
25	38.64	38.30	37.83	37.18	36.69	37.17	37.42	37.39	37.33	37.50	37.66	37.62
26	38.64	38.28	37.82	37.15	36.67	37.21	37.40	37.39	37.34	37.50	37.68	37.62
27	38.63	38.26	37.82	37.14	36.66	37.21	37.39	37.38	37.34	37.50	37.69	37.62
28	38.62	38.25	37.81	37.14	36.65	37.22	37.38	37.36	37.34	37.50	37.71	37.62
29	38.62		37.80	37.14	36.64	37.23	37.40	37.34	37.35	37.49	37.72	37.62
30	38.60		37.80	37.13	36.63	37.24	37.42	37.31	37.35	37.48	37.73	37.61
31	38.58		37.79		36.60		37.42	37.31		37.48		37.60
Average	38.74	38.42	37.99	37.41	36.85	37.02	37.37	37.40	37.33	37.45	37.56	37.67

ANNEX 3.H Data of Water Level at Asosoca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO 1998

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	37.59	37.49	37.44	37.40	37.26	37.36	37.39	37.49	37.47	37.70	38.16	38.35
2	37.58	37.50	37.45	37.38	37.25	37.37	37.40	37.49	37.47	37.69	38.16	38.36
3	37.58	37.50	37.45	37.38	37.25	37.37	37.40	37.49	37.47	37.69	38.15	38.37
4	37.58	37.50	37.45	37.36	37.27	37.38	37.40	37.49	37.48	37.69	38.14	38.37
5	37.57	37.50	37.44	37.36	37.28	37.38	37.40	37.49	37.46	37.70	38.14	38.39
6	37.57	37.50	37.44	37.36	37.28	37.38	37.38	37.48	37.54	37.72	38.13	38.40
7	37.57	37.50	37.43	37.36	37.28	37.38	37.40	37.49	37.58	37.72	38.12	38.41
8	37.57	37.50	37.42	37.36	37.28	37.38	37.42	37.50	37.58	37.71	38.12	38.41
9	37.56	37.50	37.42	37.34	37.27	37.40	37.43	37.50	37.56	37.71	38.14	38.42
10	37.56	37.50	37.42	37.34	37.27	37.40	37.43	37.50	37.57	37.71	38.15	38.42
11	37.56	37.50	37.42	37.34	37.26	37.41	37.43	37.50	37.57	37.70	38.16	38.44
12	37.55	37.49	37.41	37.34	37.26	37.40	37.43	37.49	37.56	37.72	38.16	38.45
13	37.55	37.49	37.41	37.34	37.26	37.40	37.44	37.49	37.56	37.72	38.17	38.46
14	37.55	37.48	37.41	37.34	37.26	37.39	37.46	37.48	37.60	37.71	38.18	38.46
15	37.55	37.48	37.41	37.33	37.26	37.38	37.48	37.47	37.64	37.73	38.18	38.48
16	37.54	37.48	37.41	37.33	37.25	37.38	37.48	37.46	37.64	37.74	38.20	38.48
17	37.54	37.48	37.41	37.32	37.25	37.38	37.50	37.46	37.64	37.76	38.20	38.50
18	37.54	37.47	37.41	37.32	37.24	37.38	37.50	37.46	37.63	37.78	38.21	38.50
19	37.53	37.47	37.41	37.32	37.24	37.37	37.50	37.46	37.64	37.78	38.23	38.51
20	37.53	37.46	37.41	37.33	37.24	37.38	37.50	37.45	37.62	37.83	38.21	38.52
21	37.52	37.46	37.40	37.33	37.24	37.39	37.50	37.45	37.61	37.82	38.26	38.54
22	37.51	37.45	37.40	37.32	37.24	37.40	37.50	37.44	37.61	37.86	38.27	38.55
23	37.51	37.45	37.40	37.30	37.23	37.41	37.49	37.44	37.63	37.94	38.28	38.56
24	37.50	37.45	37.40	37.30	37.24	37.41	37.49	37.44	37.64	37.94	38.29	38.57
25	37.50	37.44	37.40	37.29	37.24	37.41	37.49	37.44	37.64	37.94	38.30	38.57
26	37.49	37.44	37.40	37.29	37.26	37.41	37.49	37.44	37.66	37.95	38.31	38.60
27	37.49	37.44	37.40	37.29	37.27	37.40	37.50	37.45	37.66	37.95	38.32	38.63
28	37.49	37.44	37.40	37.28	37.27	37.40	37.50	37.45	37.69	37.95	38.33	38.66
29	37.49		37.40	37.28	37.29	37.40	37.50	37.46	37.69	38.00	38.34	38.67
30	37.49		37.40	37.26	37.33	37.40	37.49	37.47	37.69	38.10	38.34	38.68
31	37.49		37.40		37.34		37.49	37.47		38.12		38.68
Average	37.54	37.48	37.42	37.33	37.26	37.39	37.46	37.47	37.59	37.81	38.21	38.50

AÑO 1999

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	38.70	39.12	39.24	39.17	38.84	39.09	39.37	39.56	39.73	39.95	40.17	40.21
2	38.71	39.15	39.24	39.17	38.83	39.08	39.39	39.56	39.75	40.02	40.18	40.20
3	38.74	39.15	39.24	39.18	38.84	39.09	39.42	39.57	39.76	40.02	40.20	40.19
4	38.76	39.16	39.24	39.18	38.84	39.08	39.42	39.58	39.76	40.03	40.21	40.19
5	38.77	39.16	39.23	39.18	38.90	39.08	39.43	39.59	39.76	40.03	40.21	40.19
6	38.77	39.16	39.23	39.18	38.89	39.09	39.43	39.60	39.75	40.04	40.21	40.19
7	38.78	39.17	39.23	39.16	38.91	39.09	39.43	39.60	39.75	40.04	40.21	40.19
8	38.79	39.18	39.23	39.15	38.92	39.12	39.43	39.60	39.75	40.05	40.22	40.18
9	38.79	39.19	39.23	39.14	38.92	39.12	39.43	39.60	39.75	40.05	40.25	40.18
10	38.81	39.19	39.23	39.13	38.92	39.12	39.43	39.60	39.80	40.06	40.25	40.19
11	38.82	39.20	39.23	39.12	38.91	39.13	39.54	39.60	39.80	40.08	40.26	40.19
12	38.83	39.20	39.23	39.11	38.94	39.14	39.54	39.61	39.80	40.08	40.27	40.19
13	38.84	39.21	39.23	39.10	38.93	39.14	39.54	39.61	39.80	40.08	40.26	40.19
14	38.85	39.23	39.23	39.08	38.94	39.14	39.54	39.61	39.80	40.08	40.26	40.19
15	38.86	39.24	39.25	39.07	38.94	39.14	39.54	39.62	39.83	40.08	40.26	40.18
16	38.86	39.24	39.25	39.05	38.97	39.16	39.54	39.62	39.85	40.08	40.26	40.18
17	38.86	39.24	39.25	39.03	38.97	39.16	39.54	39.62	39.85	40.08	40.27	40.18
18	38.87	39.24	39.25	39.03	39.00	39.16	39.54	39.62	39.85	40.09	40.27	40.18
19	38.87	39.25	39.25	39.02	39.01	39.16	39.54	39.62	39.86	40.10	40.26	40.17
20	38.88	39.26	39.25	39.00	39.02	39.18	39.54	39.62	39.85	40.10	40.27	40.17
21	38.88	39.26	39.24	38.98	39.02	39.23	39.54	39.62	39.85	40.10	40.27	40.16
22	38.88	39.26	39.23	38.96	39.05	39.23	39.54	39.64	39.85	40.10	40.28	40.15
23	38.88	39.26	39.23	38.93	39.05	39.30	39.54	39.68	39.85	40.11	40.28	40.14
24	38.89	39.26	39.23	38.90	39.06	39.30	39.54	39.69	39.86	40.18	40.28	40.12
25	38.90	39.26	39.23	38.88	39.06	39.30	39.55	39.69	39.87	40.17	40.27	40.08
26	38.90	39.26	39.22	38.86	39.07	39.30	39.55	39.69	39.87	40.17	40.27	40.08
27	38.94	39.25	39.22	38.85	39.07	39.30	39.55	39.72	39.92	40.17	40.26	40.06
28	38.98	39.24	39.21	38.88	39.08	39.30	39.55	39.72	39.92	40.16	40.25	40.05
29	39.01		39.20	38.86	39.08	39.30	39.56	39.73	39.94	40.16	40.24	40.06
30	39.05		39.20	38.86	39.08	39.35	39.56	39.73	39.95	40.16	40.23	40.06
31	39.08		39.19		39.08		39.56	39.72		40.16		40.12
Average	38.86	39.21	39.23	39.04	38.97	39.18	39.50	39.63	39.82	40.09	40.25	40.16

ANNEX 3.H Data of Water Level at Asosca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO 2000

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	40.17	39.98	39.59	39.21	38.48	38.34	38.11	37.72	37.41	0.00	37.71	37.54
2	40.20	39.98	39.59	39.19	38.45	38.35	38.08	37.69	37.41	0.00	37.71	37.53
3	40.24	39.97	39.58	39.17	38.43	38.35	38.06	37.68	37.41	0.00	37.71	37.53
4	40.28	39.97	39.58	39.16	38.41	38.35	38.04	37.67	37.43	0.00	37.70	37.51
5	40.31	39.96	39.57	39.15	38.39	38.34	38.05	37.66	37.42	0.00	37.70	37.50
6	40.36	39.96	39.56	39.13	38.37	38.34	38.06	37.64	37.42	0.00	37.70	37.48
7	40.35	39.95	39.55	39.10	38.35	38.33	38.04	37.66	37.43	0.00	37.67	37.46
8	40.35	39.95	39.55	39.10	38.32	38.33	38.01	37.65	37.43	0.00	37.66	37.45
9	40.34	39.92	39.52	39.10	38.30	38.33	38.00	37.62	37.42	37.87	37.65	37.44
10	40.34	39.90	39.48	39.08	38.27	38.34	37.98	37.60	37.44	37.85	37.64	37.42
11	40.34	39.90	39.48	39.07	38.24	38.34	37.97	37.60	37.45	37.84	37.61	37.41
12	40.33	39.88	39.48	39.04	38.21	38.34	37.98	37.58	37.45	37.83	37.61	37.41
13	40.33	39.87	39.48	39.00	38.19	38.33	37.96	37.57	37.47	37.83	37.61	37.39
14	40.33	39.86	39.46	38.96	38.20	38.33	37.92	37.55	37.47	37.83	37.59	37.37
15	40.32	39.85	39.47	38.93	38.18	38.33	37.92	37.53	37.50	37.83	37.58	37.36
16	40.30	39.84	39.46	38.89	38.20	38.33	37.90	37.51	37.53	37.84	37.57	37.34
17	40.29	39.80	39.45	38.86	38.30	38.33	37.88	37.50	0.00	37.82	37.57	37.33
18	40.27	39.80	39.42	38.83	38.29	38.31	37.86	37.49	0.00	37.82	37.57	37.34
19	40.25	39.77	39.40	38.79	38.29	38.32	37.84	0.00	0.00	37.81	37.56	37.33
20	40.26	39.77	39.40	38.75	38.36	38.38	37.84	0.00	0.00	37.79	37.57	37.32
21	40.22	39.74	39.38	38.74	38.32	38.33	37.83	0.00	0.00	37.79	37.56	37.31
22	40.20	39.73	39.36	38.72	38.34	38.37	37.80	0.00	0.00	37.79	37.55	37.29
23	40.18	39.72	39.32	38.70	38.35	38.36	37.78	37.48	0.00	37.79	37.54	37.28
24	40.16	39.68	39.32	38.68	38.35	38.28	37.76	37.46	0.00	37.79	37.55	37.25
25	40.15	39.67	39.31	38.65	38.35	38.24	37.78	37.44	0.00	37.78	37.55	37.25
26	40.12	39.67	39.29	38.61	38.35	38.22	37.77	37.42	0.00	37.78	37.55	37.26
27	40.10	39.66	39.28	38.59	38.35	38.20	37.75	37.41	0.00	37.77	37.55	37.25
28	40.07	39.63	39.27	38.56	38.35	38.17	37.73	37.42	0.00	37.76	37.55	37.22
29	40.05	39.63	39.25	38.54	38.34	38.14	37.71	37.42	0.00	37.74	37.55	37.22
30	40.02		39.24	38.50	38.34	38.13	37.72	37.40	0.00	37.73	37.55	37.19
31	40.00		39.22		38.34		37.70	37.40		37.73		37.18
Average	40.23	39.83	39.43	38.89	38.32	38.31	37.90	37.55	37.44	37.80	37.61	37.36

AÑO 2001

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	37.17	36.73	36.34	35.95	35.65	35.73	36.10	36.28	36.37	36.63	36.55	36.24
2	37.16	36.73	36.33	35.95	35.65	35.74	36.14	36.29	36.37	36.62	36.53	36.23
3	37.15	36.71	36.31	35.93	35.65	35.80	36.15	36.29	36.38	36.62	36.52	36.22
4	37.14	36.69	36.30	35.92	35.64	35.81	36.15	36.29	36.38	36.62	36.53	36.20
5	37.12	36.67	36.29	35.91	35.64	35.81	36.16	36.29	36.38	36.61	36.54	36.19
6	37.11	36.66	36.28	35.90	35.65	35.82	36.16	36.29	36.38	36.61	36.56	36.18
7	37.11	36.65	36.26	35.89	35.63	35.83	36.17	36.31	36.38	36.60	36.56	36.17
8	37.10	36.62	36.24	35.89	35.62	35.84	36.18	36.31	36.39	36.59	36.50	36.15
9	37.07	36.61	36.23	35.88	35.62	35.85	36.18	36.32	36.39	36.58	36.49	36.14
10	37.06	36.61	36.23	35.87	35.60	35.87	36.20	36.32	36.39	36.58	36.47	36.13
11	37.04	36.59	36.23	35.86	35.60	35.88	36.20	36.32	36.39	36.57	36.46	36.13
12	37.00	36.57	36.23	35.85	35.58	35.89	36.21	36.32	36.39	36.57	36.45	36.12
13	36.96	36.56	36.21	35.84	35.57	35.90	36.21	36.32	36.39	36.57	36.43	36.11
14	36.96	36.55	36.19	35.84	35.56	35.91	36.21	36.32	36.39	36.58	36.41	36.11
15	36.96	36.52	36.18	35.83	35.55	35.91	36.22	36.32	36.40	36.58	36.41	36.10
16	36.94	36.52	36.16	35.80	35.55	35.91	36.23	36.31	36.42	36.58	36.37	36.09
17	36.94	36.50	36.15	35.80	35.54	35.93	36.23	36.32	36.42	36.58	36.35	36.08
18	36.91	36.49	36.14	35.78	35.55	35.94	36.23	36.32	36.41	36.58	36.33	36.07
19	36.90	36.48	36.12	35.78	35.53	35.95	36.23	36.33	36.42	36.58	36.32	36.07
20	36.88	36.46	36.11	35.77	35.53	35.96	36.25	36.34	36.49	36.61	36.30	36.06
21	36.88	36.45	36.10	35.75	35.53	35.97	36.25	36.34	36.49	36.58	36.28	36.06
22	36.86	36.44	36.08	35.75	35.54	35.97	36.26	36.34	36.54	36.63	36.28	36.05
23	36.85	36.46	36.06	35.74	35.55	35.97	36.26	36.33	36.54	36.64	36.27	36.04
24	36.83	36.41	36.05	35.72	35.56	35.97	36.26	36.33	36.54	36.64	36.27	36.03
25	36.81	36.40	36.03	35.70	35.57	35.97	36.26	36.34	36.55	36.63	36.26	36.02
26	36.80	36.38	36.02	35.70	35.58	36.03	36.26	36.35	36.55	36.63	36.26	36.02
27	36.78	36.37	36.02	35.69	35.58	36.03	36.27	36.37	36.55	36.62	36.25	36.01
28	36.76	36.36	36.00	35.68	35.59	36.04	36.27	36.37	36.59	36.62	36.26	36.00
29	36.75		35.99	35.67	35.62	36.06	36.27	36.38	36.61	36.60	36.26	36.00
30	36.74		35.98	35.66	35.63	36.06	36.27	36.38	36.61	36.59	36.25	36.00
31	36.74		35.97		35.65		36.28	36.38		36.56		35.98
Average	36.95	36.54	36.16	35.81	35.59	35.91	36.22	36.33	36.45	36.60	36.39	36.10

ANNEX 3.H Data of Water Level at Asososca Lake
 (EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
 ENACAL - MANAGUA

AÑO 2002

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	35.98	35.96	35.73	35.53	35.26	35.50	35.68	35.80	35.94	36.22	36.50	36.43
2	35.99	35.95	35.73	35.51	35.25	35.50	35.67	35.79	35.96	36.25	36.50	36.42
3	35.98	35.94	35.72	35.51	35.25	35.49	35.68	35.80	35.97	36.26	36.49	36.40
4	35.97	35.93	35.72	35.49	35.24	35.52	35.68	35.80	35.97	36.26	36.50	36.39
5	35.97	35.92	35.71	35.48	35.23	35.56	35.69	35.80	35.98	36.28	36.50	36.39
6	35.95	35.91	35.74	35.47	35.22	35.56	35.70	35.80	36.01	36.28	36.50	36.38
7	35.96	35.90	35.68	35.46	35.22	35.53	35.70	35.81	36.00	36.29	36.51	36.36
8	35.97	35.89	35.68	35.45	35.21	35.55	35.70	35.82	35.99	36.30	36.51	36.36
9	35.96	35.88	35.67	35.44	35.20	35.56	35.70	35.80	36.01	36.30	36.50	36.37
10	35.96	35.88	35.69	35.44	35.19	35.58	35.70	35.82	36.02	36.30	36.51	36.36
11	35.96	35.87	35.68	35.44	35.19	35.59	35.70	35.82	36.02	36.30	36.52	36.35
12	35.96	35.86	35.68	35.43	35.18	35.60	35.70	35.82	36.02	36.30	36.51	36.34
13	35.96	35.84	35.68	35.42	35.17	35.60	35.71	35.82	36.05	36.30	36.51	36.33
14	35.96	35.82	35.67	35.42	35.16	35.60	35.70	35.82	36.05	36.37	36.51	36.33
15	35.98	35.82	35.67	35.41	35.15	35.61	35.72	35.83	36.05	36.37	36.51	36.32
16	35.98	35.80	35.66	35.40	35.14	35.61	35.76	35.82	36.06	36.37	36.51	36.31
17	35.98	35.79	35.65	35.39	35.13	35.61	35.75	35.82	36.07	36.38	36.53	36.31
18	35.97	35.78	35.64	35.38	35.12	35.62	35.75	35.82	36.08	36.38	36.53	36.30
19	35.96	35.77	35.63	35.37	35.12	35.63	35.76	35.83	36.07	36.39	36.52	36.30
20	35.96	35.76	35.62	35.36	35.11	35.63	35.74	35.82	36.15	36.39	36.52	36.30
21	35.96	35.77	35.61	35.34	35.19	35.64	35.74	35.86	36.15	36.39	36.51	36.29
22	35.95	35.77	35.61	35.33	35.16	35.64	35.76	35.86	36.15	36.39	36.50	36.29
23	35.95	35.76	35.61	35.33	35.19	35.64	35.77	35.86	36.26	36.39	36.49	36.28
24	35.94	35.76	35.61	35.32	35.19	35.64	35.75	35.89	36.24	36.40	36.48	36.28
25	35.94	35.75	35.63	35.30	35.19	35.66	35.75	35.87	36.23	36.40	36.47	36.28
26	35.93	35.75	35.59	35.30	35.24	35.66	35.75	35.89	36.22	36.40	36.47	36.28
27	35.93	35.74	35.56	35.28	35.28	35.66	35.76	35.91	36.23	36.43	36.46	36.28
28	35.93	35.74	35.56	35.28	35.38	35.66	35.77	35.92	36.23	36.44	36.45	36.28
29	35.93		35.55	35.27	35.48	35.66	35.78	35.91	36.21	36.44	36.45	36.27
30	35.96		35.56	35.27	35.53	35.67	35.79	35.90	36.21	36.45	36.43	36.26
31	35.97		35.53		35.51		35.80	35.92		36.49		36.27
Average	35.96	35.83	35.65	35.39	35.23	35.60	35.73	35.84	36.09	36.35	36.50	36.33

AÑO 2003

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.26	36.09	35.77	35.51	35.30	35.43	36.02	36.43	36.61	36.66	36.84	36.69
2	36.25	36.06	35.76	35.50	35.29	35.42	36.04	36.43	36.62	36.66	36.86	36.69
3	36.25	36.05	35.75	35.49	35.29	35.43	36.05	36.43	36.62	36.67	36.86	36.68
4	36.25	36.03	35.75	35.48	35.28	35.43	36.06	36.44	36.62	36.66	36.86	36.68
5	36.24	36.01	35.73	35.47	35.27	35.45	36.06	36.47	36.62	36.69	36.85	36.67
6	36.24	36.00	35.72	35.46	35.26	35.46	36.08	36.48	36.62	36.69	36.85	36.67
7	36.23	35.99	35.71	35.46	35.25	35.46	36.12	36.48	36.62	36.69	36.84	36.66
8	36.23	35.98	35.70	35.44	35.25	35.46	36.14	36.49	36.63	36.70	36.83	36.65
9	36.22	35.96	35.69	35.43	35.24	35.46	36.14	36.49	36.63	36.71	36.83	36.64
10	36.22	35.94	35.68	35.42	35.24	35.46	36.15	36.50	36.63	36.71	36.82	36.64
11	36.22	35.93	35.67	35.41	35.22	35.51	36.17	36.52	36.62	36.71	36.80	36.64
12	36.22	35.92	35.66	35.41	35.21	35.51	36.18	36.52	36.62	36.71	36.81	36.63
13	36.23	35.91	35.65	35.41	35.21	35.54	36.19	36.52	36.63	36.72	36.80	36.62
14	36.22	35.90	35.64	35.40	35.20	35.56	36.21	36.55	36.63	36.72	36.79	36.63
15	36.22	35.90	35.62	35.39	35.20	35.64	36.22	36.55	36.63	36.74	36.78	36.63
16	36.21	35.90	35.63	35.38	35.20	35.66	36.25	36.55	36.62	36.74	36.77	36.62
17	36.21	35.89	35.63	35.39	35.20	35.75	36.25	36.55	36.62	36.76	36.76	36.61
18	36.23	35.88	35.61	35.38	35.20	35.77	36.26	36.56	36.62	36.78	36.75	36.61
19	36.20	35.87	35.61	35.37	35.22	35.77	36.27	36.56	36.62	36.79	36.74	36.59
20	36.20	35.85	35.60	35.36	35.21	35.79	36.26	36.57	36.62	36.79	36.74	36.59
21	36.19	35.84	35.60	35.36	35.21	35.79	36.26	36.58	36.63	36.79	36.73	36.58
22	36.19	35.84	35.60	35.35	35.22	35.79	36.33	36.58	36.63	36.80	36.73	36.57
23	36.18	35.83	35.61	35.34	35.22	35.79	36.34	36.58	36.63	36.80	36.72	36.56
24	36.18	35.82	35.58	35.33	35.23	35.79	36.35	36.60	36.63	36.80	36.71	36.56
25	36.17	35.81	35.57	35.33	35.23	35.79	36.36	36.60	36.63	36.80	36.74	36.53
26	36.16	35.80	35.56	35.32	35.31	35.79	36.37	36.61	36.64	36.83	36.74	36.53
27	36.15	35.79	35.56	35.32	35.30	35.79	36.39	36.61	36.65	36.83	36.72	36.54
28	36.14	35.78	35.55	35.31	35.34	35.99	36.40	36.61	36.65	36.82	36.72	36.54
29	36.13		35.54	35.31	35.34	36.00	36.41	36.61	36.66	36.82	36.72	36.53
30	36.11		35.54	35.30	35.35	36.01	36.42	36.61	36.66	36.83	36.71	36.53
31	36.09		35.53		35.37		36.42	36.61		36.83		36.53
Average	36.20	35.91	35.64	35.39	35.25	35.65	36.23	36.54	36.63	36.75	36.78	36.61

ANNEX 3.H Data of Water Level at Asosca Lake

(EMPRESA DE ACUEDUCTOS Y ALCANTARILLADOS SANITARIOS DE MANAGUA)
ENACAL - MANAGUA

AÑO 2004

DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEP.	OCT.	NOV.	DIC.
1	36.49	36.14	35.68	35.24	35.00	34.99	34.96	34.82	34.69	34.67	34.91	35.12
2	36.49	36.13	35.67	35.24	34.99	35.00	34.96	34.82	34.69	34.67	34.94	35.12
3	36.55	36.11	35.65	35.23	34.99	35.01	34.95	34.81	34.68	34.68	34.94	35.12
4	36.54	36.09	35.64	35.23	35.01	35.01	34.95	34.80	34.68	34.67	34.94	35.11
5	36.53	36.08	35.62	35.22	35.00	35.00	34.95	34.79	34.67	34.67	34.95	35.11
6	36.52	36.07	35.60	35.20	34.99	35.00	34.96	34.79	34.66	34.67	35.04	35.12
7	36.50	36.07	35.59	35.19	34.99	35.01	34.95	34.78	34.66	34.66	35.04	35.11
8	36.48	36.03	35.57	35.18	34.99	35.01	34.94	34.77	34.65	34.68	35.05	35.10
9	36.47	36.01	35.55	35.16	34.99	35.00	34.93	34.76	34.64	34.69	35.06	35.11
10	36.46	36.00	35.53	35.16	34.99	34.99	34.93	34.77	34.64	34.69	35.06	35.10
11	36.45	35.98	35.52	35.15	34.99	34.98	34.93	34.77	34.63	34.71	35.06	
12	36.43	35.97	35.50	35.13	34.99	34.98	34.92	34.77	34.65	34.71	35.07	
13	36.42	35.96	35.49	35.12	34.99	34.99	34.90	34.78	34.67	34.71	35.07	
14	36.40	35.94	35.49	35.11	34.99	35.02	34.88	34.77	34.68	34.72	35.07	
15	36.38	35.93	35.46	35.10	34.99	35.01	34.87	34.76	34.69	34.73	35.09	
16	36.37	35.92	35.45	35.09	34.99	34.99	34.85	34.75	34.69	34.73	35.08	
17	36.37	35.89	35.44	35.08	34.99	34.98	34.85	34.74	34.72	34.75	35.08	
18	36.36	35.88	35.42	35.07	34.99	34.97	34.86	34.74	34.71	34.77	35.08	
19	36.34	35.85	35.40	35.05	34.99	34.98	34.86	34.75	34.72	34.78	35.08	
20	36.30	35.84	35.39	35.04	34.99	34.95	34.86	34.74	34.73	34.78	35.08	
21	36.30	35.83	35.38	35.03	34.99	34.97	34.87	34.74	34.73	34.80	35.09	
22	36.28	35.81	35.36	35.03	34.98	34.98	34.87	34.75	34.72	34.82	35.09	
23	36.27	35.79	35.35	35.03	34.98	34.98	34.87	34.74	34.71	34.82	35.09	
24	36.25	35.78	35.33	35.02	34.97	34.98	34.88	34.73	34.71	34.83	35.10	
25	36.24	35.76	35.31	35.02	34.97	34.98	34.88	34.73	34.71	34.85	35.10	
26	36.23	35.75	35.30	35.02	34.97	34.97	34.86	34.72	34.70	34.86	35.10	
27	36.21	35.73	35.29	35.02	34.96	34.97	34.85	34.72	34.70	34.87	35.10	
28	36.20	35.72	35.29	35.01	34.96	34.96	34.84	34.72	34.69	34.87	35.10	
29	36.18	35.70	35.28	35.00	34.96	34.95	34.84	34.71	34.68	34.88	35.12	
30	36.16		35.26	35.00	34.97	34.95	34.83	34.71	34.68	34.89	35.12	
31	36.15		35.25		34.98		34.83	34.70		34.90	35.12	
Average	36.37	35.92	35.45	35.11	34.98	34.99	34.89	34.75	34.69	34.76	43.47	11.70

ANNEX 3I

Data on Precipitation at Lake Asososca

ANNEX 3.I DATA OF PRECIPITATION AT ASOSOSCA LAKE
(1963 to 2001)

													(mm)
Year	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov	Dic.	Total
1963	-	-	-	-	-	-	-	-	103	186	124	11	424
1964	0	0	4	96	24	385	179	154	97	312	1	0	1,252
1965	0	0	0	0	88	213	81	93	176	234	10	2	897
1966	0	0	0	0	161	375	153	88	227	202	48	8	1,262
1967	2	0	0	11	11	281	104	34	111	176	51	12	794
1968	5	2	0	0	258	208	86	118	251	421	33	2	1,383
1969	0	2	5	3	208	366	76	311	233	493	57	1	1,755
1970	0	2	5	3	181	116	212	195	326	178	92	9	1,321
1971	8	1	0	19	121	149	108	136	240	153	6	18	956
1972	3	0	0	0	155	158	31	46	52	55	36	5	542
1973	0	0	0	0	241	199	89	260	224	496	30	4	1,544
1974	7	0	3	0	175	131	48	119	328	189	0	5	1,004
1975	12	0	0	0	370	60	99	131	439	300	123	0	1,533
1976	1	0	2	0	31	188	18	64	48	268	24	2	647
1977	0	0	0	0	166	133	66	44	125	89	52	0	675
1978	0	0	0	4	44	53	158	121	227	179	30	28	844
1979	0	0	0	58	86	169	113	129	278	373	106	0	1,312
1980	0	0	0	0	208	154	160	136	196	247	152	0	1,253
1981	0	0	28	3	240	267	62	130	204	158	43	1	1,137
1982	0	0	0	70	761	251	73	32	157	158	22	0	1,523
1983	0	0	0	56	22	143	107	71	178	131	63	0	771
1984	0	0	22	0	43	252	-	78	-	-	-	-	395
1985	0	0	0	5	175	66	45	177	91	225	31	2	819
1986	0	0	0	0	187	126	82	94	87	45	23	2	645
1987	4	0	5	0	178	102	258	130	393	140	3	6	1,220
1988	4	1	0	16	117	352	-	288	-	-	-	-	777
1989	-	-	-	-	14	183	63	60	442	30	65	62	918
1990	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	0	0	0	0	76	163	30	154	146	146	16	-	731
1992	0	0	0	0	61	140	89	35	190	96	6	11	626
1993	0	0	0	0	337	174	45	302	337	130	48	0	1,373
1994	-	-	-	-	-	8	49	36	218	174	66	-	551
1995	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	23	0	1	0	127	166	339	178	293	535	64	176	1,902
1997	2	0	0	46	55	309	15	16	8	112	70	0	635
1998	0	0	0	3	107	94	136	67	342	716	40	2	1,506
1999	0	0	-	49	131	199	188	178	260	-	-	-	1,005
2000	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	69	72	126	374	-	-	-	641

NOTE: INSTITUTO NICARAGUENSE DE ESTUDIOS TERRITORIALES
(DIRECCION GENERAL DE METEOROLOGIA, RESUMEN METEOROLOGICO ANNUAL)

ANNEX 3J

Results of Corrosion Tests

ANNEX 3.J List for Corrosion Test

(g)

Site		Stage	1st (14/Dec./2004)					
		Kind of steel	Hi		Hc		Ss	
			1	2	1	2	1	2
MANAGUA UNO	JICA No.1	Specimen No.						
		Inisial Weight	57.422	57.121	51.060	45.472	41.002	41.020
		14/Dec.	57.252	56.970	50.968	45.373	40.985	41.000
		Differential	0.170	0.151	0.092	0.099	0.017	0.020
	E-4	Specimen No.	9	10	9	10	9	10
		Inisial Weight	55.504	58.183	55.533	63.087	40.723	39.899
		14/Dec.	55.202	57.888	55.414	62.970	40.714	39.890
		Differential	0.302	0.295	0.119	0.117	0.009	0.009
MANAGUA DOS	P-6	Specimen No.	13	14	13	14	13	14
		Inisial Weight	66.489	69.041	42.901	49.500	35.687	39.306
		14/Dec.	66.182	68.668	42.661	49.193	35.684	39.303
		Differential	0.307	0.373	0.240	0.307	0.003	0.003
	P-16	Specimen No.	19	20	19	20	19	20
		Inisial Weight	54.597	55.219	48.080	50.834	42.712	39.612
		14/Dec.	54.491	55.104	48.029	50.768	42.697	39.597
		Differential	0.106	0.115	0.051	0.066	0.015	0.015
Site		Stage	2nd (March/2005)					
		Kind of steel	Hi		Hc		Ss	
MANAGUA UNO	JICA No.1	Specimen No.	3	4	3	4	3	4
		Inisial Weight	52.598	58.754	49.395	54.425	41.010	39.274
		March/05						
		Differential						
	E-4	Specimen No.	7	8	7	8	7	8
		Inisial Weight	44.405	47.056	51.912	58.057	52.840	41.617
		March/05						
		Differential						
MANAGUA DOS	P-6	Specimen No.	15	16	15	16	15	16
		Inisial Weight	53.848	61.744	49.463	53.925	41.411	40.254
		March/05						
		Differential						
	P-16	Specimen No.	21	22	21	22	21	22
		Inisial Weight	60.662	60.757	50.482	49.451	48.047	37.075
		March/05						
		Differential						
Site		Stage	3rd					
		Kind of steel	Hi		Hc		Ss	
MANAGUA UNO	JICA No.1	Specimen No.	5	6	5	6	5	6
		Inisial Weight	58.382	65.200	66.218	45.317	38.235	42.551
		March/05						
		Differential						
	E-4	Specimen No.	11	12	11	12	11	12
		Inisial Weight	59.390	68.131	50.045	48.193	43.201	40.670
		March/05						
		Differential						
MANAGUA DOS	P-6	Specimen No.	17	18	17	18	17	18
		Inisial Weight	51.085	59.052	61.364	61.622	38.302	37.800
		March/05						
		Differential						
	P-16	Specimen No.	23	24	23	24	23	24
		Inisial Weight	51.796	58.456	52.630	51.760	37.533	43.578
		March/05						
		Differential						

ANNEX 3K

Photographs of Corrosion Tests

Annex 3.K Photograph of Corrosion Test in Wells (1/3)



Specimen of Metals (Initial State)



Laboratory in ENACAL



Measurements of Specimen of Metals



Measurements of Specimen of Metals



Specimen of Metals for Corrosion Test



A Unit for Corrosion Test



Units for Corrosion Test (No.1 to No.12)



Units for Corrosion Test (No.13 to No.24)

Annex 3.K Photograph of Corrosion Test in Wells (2/3)



E-4 (Managua Uno)

Setting a Unit for Corrosion Test (E-4)



Setting a Unit for Corrosion Test (P-6)

P-6 (Managua Dos)



Setting a Unit for Corrosion Test (P-16)

P-16 (Managua Dos)

Annex 3.K Photograph of Corrosion Test in Wells (3/3)



Conditions of Metals (after 2 Months) Hi : Iron Hc : Cast Iron Ss : Stainless Steel

ANNEX 3L

Actual Production Volumes in the Last Four Years and Design Production in 2015

ANNEX 3.L(1) Volume Production for the Last Four Years and Design

Production at Year 2015 (1/3)

Well No.	UBICACION		Discharge (m3/day)				Design Discharge(m3/day)		
	ZONA BAJA	Serial Number	2001	2002	2003	2004	Average	Total	Total Corr
11	COL. TENDERI	1	4,187	3,925	4,003	3,815	3,982	3,982	0
12	BELLO HORIZONTE	2	4,400	3,684	3,594	3,963	3,910	3,910	
13	RAFAELA HERRERA	3	6,659	6,512	6,148	5,824	6,286	6,286	
14	MERCEDES N°-9	4	1,570	1,404	1,426	2,368	1,692	2,115	0
17	MERCEDES N°-1	5	4,190	3,506	3,334	1,592	3,156	3,156	RW15
18	MERCEDES N°-3	6	4,190	3,506	3,334	3,393	3,606	3,606	RW15
19	MERCEDES N°-4	7	10,959	10,148	9,934	10,720	10,440	10,440	RW10
20	MERCEDES N°-5	8	4,888	4,597	4,496	10,348	6,082	6,082	RW10
21	MERCEDES N°-7	9	2,238	2,188	2,646	3,154	2,556	3,196	RW10
22	MERCEDES N°-6	10	3,201	2,912	3,103	4,214	3,358	3,358	RW15
24	MERCEDES N°-8	11	2,158	1,970	2,004	2,190	2,080	2,601	RW15
25	MERCEDES N°-14	12	3,588	2,262	2,305	2,325	2,620	3,275	RW10
26	MERCEDES N°-15	13	6,147	5,818	6,095	5,857	5,979	5,979	RW15
41	SAN CRISTOBAL N°-1	14	1,851	1,836	1,586	1,264	1,634	2,043	
77	VILLA FRATERNIDAD	15	1,829	1,826	1,711	1,781	1,787	2,234	
78	BUENOS AIRES	16	6,372	5,971	5,863	6,340	6,137	6,137	
79	MERCEDES N°-16	17	5,489	5,341	5,355	5,319	5,376	5,376	
80	MERCEDES N°-17	18	3,727	3,630	4,420	4,915	4,173	4,173	
81	MERCEDES N°-18	19	5,193	4,859	4,689	4,987	4,932	4,932	
82	MONSEÑOR LEZCANO	20	5,694	5,664	6,143	6,480	5,995	5,995	
84	LAS BRISAS	21	6,531	6,148	5,990	4,431	5,775	5,775	
104	SAN CRISTOBAL N°-3	22	1,161	1,373	1,202	-	1,245	1,557	
Total			96,222	89,080	89,381	95,279	92,802	96,206	85,817
Well No.	UBICACION		Discharge (m3/day)				Design Discharge(m3/day)		
	ZONA ALTA	Serial Number	2001	2002	2003	2004	Average	Total	Total Corr
27	SABANA GRANDE No 1	23	2,435	2,458	2,159	2,262	2,328	2,911	0
28	SABANA GRANDE No 2	24	4,697	4,829	4,628	4,659	4,703	4,703	0
29	SABANA GRANDE No 3	25	2,699	2,641	2,297	2,544	2,545	3,182	0
30	SABANA GRANDE No 4	26	5,646	5,144	4,481	5,151	5,105	5,105	
31	SABANA GRANDE No 5	27	5,702	5,552	4,765	4,986	5,251	5,251	
34	ALTAMIRA N°- 4	28	272	1,363	1,450	698	1,407	1,758	RW10
35	ALTAMIRA N°- 5	29	1,217	1,514	1,278	1,534	1,386	1,732	
46	VILLA LIBERTAD	30	1,584	1,599	1,540	1,663	1,596	1,995	0
48	14 DE SEPTIEMBRE	31	1,542	1,408	1,415	1,360	1,431	1,789	
52	LA MASCOTA	32	3,265	3,131	3,101	3,092	3,147	3,147	0
53	PARQUE LAS MADRES	33	3,784	3,480	3,506	3,902	3,668	3,668	
54	LOS GAUCHOS	34	3,392	3,568	3,765	3,594	3,580	3,580	
55	SHELL METROCENRO	35	3,909	3,669	4,149	4,372	4,025	4,025	
57	PLAZA EL SOL	36	4,338	4,158	4,734	5,660	4,723	4,723	
68	V. AUSTRIA (JICA No 4)	37	1,367	1,372	1,299	1,067	1,276	1,595	
89	I.N.E CENTRAL	38	3,486	3,482	3,134	3,108	3,303	3,303	
91	LAUREANO MAIRENA	39	915	1,753	1,441	1,859	1,684	2,105	0
96	EL RETIRO	40	2,068	2,140	2,071	2,157	2,109	2,636	
106	NICARAO No.3	41	1,058	2,102	1,245	1,648	1,513	1,892	
112	ANEXO V. LIBERTAD	43	-	1,205	2,179	1,871	1,752	1,752	
Total			53,376	57,172	55,487	58,300	56,532	60,852	40,770

Note: Wells to be eliminated for quality problems

**ANNEX 3.L(2) Volume Production for the Last Four Years and Design
Production at Year 2015 (2/3)**

Well No.	UBICACION ZONA ALTA SUPERIOR	Serial Number	Discharge (m3/day)				Design Discharge(m3/day)		
			2001	2002	2003	2004	Average	Total	Total Corr
43	SAN JUDAS N°- 1	44	2,903	2,341	2,066	2,004	2,328	2,910	RW10
44	SAN JUDAS N°- 2	45	2,397	2,482	2,679	2,652	2,553	3,191	RW10
45	SAN JUDAS N°- 3	46	2,506	2,828	1,818	2,424	2,394	2,993	
50	REPTO. SHICK N°- 2	47	2,753	2,632	2,444	754	2,610	3,262	
51	MANOLO MORALES	48	1,618	1,908	2,463	0	1,996	2,495	
58	KM 8.5 C. SUR(S Patr)	49	2,234	2,234	2,127	851	2,198	2,748	
59	KM 9.2 C. SUR	50	1,016	1,471	1,519	1,489	1,374	1,717	
61	KM 14.5 C. VIEJA A LEON	51	1,981	2,109	1,990	1,976	2,014	2,518	
62	(HOSP.) VELEZ PAIZ	52	2,472	2,313	2,677	2,745	2,552	3,190	
63	(HOSP.) BERTA CALDERON	53	2,548	2,664	2,687	2,597	2,624	3,280	
64	TORRES MOLINA N°-1	54	1,786	2,033	2,093	2,067	1,995	2,493	RW10
65	UNAN	55	1,959	1,961	1,899	1,603	1,856	2,320	RW10
66	VILLA PANAMA	56	2,368	2,909	2,655	2,505	2,609	3,262	
70	VERACRUZ N°- 2	57	2,960	3,051	2,991	3,033	3,009	3,009	RW10
71	VERACRUZ N°- 3	58	1,416	1,685	1,941	0	1,681	2,101	RW15
74	VERACRUZ N°- 4	59	3,148	3,402	3,403	3,497	3,363	3,363	
75	VERACRUZ N°- 5	60	1,577	2,444	2,816	2,164	2,250	2,813	
76	VERACRUZ N°- 6	61	1,439	2,024	2,962	2,929	2,339	2,923	
85	LOMA LINDA	62	1,519	1,688	1,703	1,720	1,657	2,072	
86	KM 11.5 C. SUR	63	1,533	1,826	1,218	968	1,386	1,733	
87	JULIO MARTINEZ	64	3,506	3,454	3,627	4,487	3,768	3,768	
88	REPARTO. SHICK N°- 3	65	1,995	1,549	1,473	1,381	1,600	1,999	RW06
90	Km 7 C. MASAYA	66	1,940	2,379	2,206	1,928	2,113	2,642	
93	PADRE FABRETO	67	167	173	174	175	172	215	
97	S. I. DE LA CRUZ VERDE 2	68	1,549	1,454	1,330	1,081	1,353	1,692	
108	CENTROAMERICA N°- 4	69	1,708	1,371	1,378	1,331	1,447	1,809	
109	REPARTO. SHICK N°- 4	70	1,083	924	833	798	909	1,137	
110	TORRES MOLINA N°-2	71	1,616	1,714	1,759	1,665	1,688	2,110	
113	ALPES N°- 1	72	323	290	263	278	289	361	
114	ALPES N°- 2	73	306	290	314	310	305	381	
115	ALPES N°- 3	74	211	492	495	145	336	420	Repl Alpes N4
116	ALTOS DE SANTO DOMINGO	75	-	4,142	5,474	2,304	3,973	3,973	
149	Chiquistagua	107	-	-	1,261	2,213	1,737	1,737	
150	Cedro Galan	108	-	-	694	1,947	1,320	1,320	
151	Planetanium	109	-	-	1,907	2,052	1,980	1,980	
	Total		56,537	64,237	69,339	60,071	67,778	79,935	76,128

Well No.	UBICACION Ticuantepé Nindiri	Serial Number	Discharge (m3/day)				Design Discharge(m3/day)		
			2001	2002	2003	2004	Average	Total	Total Corr
155	LA BORGONA					3,456	3,456	3,456	
156	LAS CONCHITAS					2,376	2,376	2,376	
157	LOS LARIOS		0	0	0	0	0	0	
158	SAN JOAQUIN					262	262	262	
159	EL GAVILAN/CAMPUZANO					872	872	872	
	Total		0	0	0	6,966	6,966	6,966	6,634

Well No.	UBICACION NEW WELLS IN EQUIPMENT	Serial Number	Discharge (m3/day)				Design Discharge(m3/day)		
			2001	2002	2003	2004	Average	Total	Total Corr
161	HIALEAH							2,725	
162	MEMORIAL SANDINO							3,952	
163	LA BOLSA							1,090	
	Total							7,767	7,397

**ANNEX 3.L(3) Volume Production for the Last Four Years and Design
Production at Year 2015 (3/3)**

Well No.	UBICACION ZONA ALTA SUPERIOR	Serial Number	Discharge (m3/day)				Design Discharge(m3/day)		
			2001	2002	2003	2004	Average	Total	Total
101	W-1	76	4,542	4,358	3,653	3,538	4,023	3,801	
102	W-2	77	3,897	4,203	4,030	3,923	4,013	4,119	
103	W-3	78	4,852	4,985	4,067	3,969	4,468	5,040	
104	W-4	79	1,808	3,400	3,126	3,314	2,912	5,183	
105	W-5	80	4,881	4,527	4,708	3,020	4,284	5,183	
106	W-6	81	4,696	4,508	4,299	4,204	4,427	5,040	
107	W-7	82	170	4,153	3,826	3,861	3,947	5,040	RW10
108	W-8	83	1,928	2,306	2,144	2,765	2,286	3,801	
109	E-1	84	317	3,388	3,782	3,869	3,680	5,472	
110	E-2	85	693	4,449	3,203	2,477	3,376	5,614	
111	E-3	86	15	2,205	1,635	3,431	2,424	4,464	
112	E-4	87	4,184	4,177	4,185	2,530	3,769	5,040	
113	E-5	88	4,360	3,414	2,302	3,792	3,467	4,175	
114	E-6	89	1,424	3,939	3,487	3,863	3,178	5,543	
115	E-7	90	1,504	4,434	3,785	3,674	3,349	4,119	
Total			39,271	58,446	52,232	52,233	53,603	71,635	71,000
85	P-1	91	-	720	3,287	3,616	3,451	3,600	
86	P-2	92	-	714	3,239	3,740	3,490	3,600	
87	P-3	93	-	818	2,976	2,985	2,980	2,900	
88	P-4	94	-	766	2,410	2,913	2,661	2,900	
89	P-5	95	-	846	3,770	3,826	3,798	3,800	
90	P-6	96	-	37	0	0	0	3,700	
91	P-7	97	-	98	3,878	3,866	3,872	3,500	
92	P-8	98	-	819	3,220	2,523	2,872	3,000	
93	P-9	99	-	844	3,940	2,221	3,081	3,000	
94	P-10	100	-	857	3,852	3,936	3,894	3,900	
95	P-11	101	-	832	3,297	2,358	2,827	3,700	
96	P-12	102	-	811	3,905	2,394	3,149	3,100	
97	P-13	103	-	806	4,238	4,393	4,316	4,300	
98	P-14	104	-	113	2,521	1,407	1,964	3,700	
99	P-15	105	-	37	2,992	3,630	3,311	3,600	
100	P-16	106	-	100	0	0	0	3,700	
Total			0	9,218	47,525	43,809	45,667	56,000	56,000
Grand Total			245,406	278,153	313,964	316,657	323,348	379,360	343,747

ANNEX 3M

Rehabilitation & Renewal Plans of Existing Wells

ANNEX 3.M(1) Inventory of Plan for Groundwater Rehabilitation

Period	Urgent (First Phase)			Medium Term (Second Phase)			Long Term (Third Phase)			Total		
	Pump Renewal	Well Cleaning& Development	Renewal Well	Pump Renewal	Well Cleaning& Development	Renewal Well	Pump Renewal	Well Cleaning& Development	Renewal Well	Pump Renewal	Well Cleaning& Development	Renewal Well
Managua 1 Field	4	7	1	0	0	0	0	0	0	4	7	1
Managua 2 Field**	4	4	0	0	0	0	0	0	0	4	4	0
Low Land wells	6	6	0	1	1	4	8	8	5	15	15	9
High Land Wells	1	1	0	7	7	1	4	4	0	12	12	1
High Superior Wells	3	3	1	14	14	5	6	6	1	23	23	7
Total	18	21	2	22	22	10	18	18	6	58	61	18

ANNEX 3.M(2) RENEWAL AND MAINTENACE OF LOW LAND WELLS & PUMP (1/3)

No.	No. of Well	Zone of Lowland Name of Wells	Year (Const.)	Urgent				Medium Term				Long Term			
				Period	Renewal of Pump	Cleaning of Well	Renewal of Well	Period	Renewal of Pump	Cleaning of Well	Renewal of Well	Period	Renewal of Pump	Cleaning of Well	Renewal of Well
1	84	LAS BRISAS	1,990	15	0	0	0	20	0	0	0	25	1	1	0
2	82	MONSEÑOR LEZCANO	1,990	15	0	0	0	20	0	0	0	25	1	1	0
3	8	SAN ANTONIO	1,987	18	0	0	0	23	0	0	0	28	0	0	0
4	9	OLOF PALME	1,987	18	0	0	0	23	0	0	0	28	0	0	0
5	10	MERCADO ORIENTAL	1,987	18	0	0	0	23	0	0	0	28	0	0	0
6	11	COL. TENDERI	1,987	18	0	0	0	23	0	0	0	28	0	0	0
7	12	BELLO HORIZONTE	1,987	18	0	0	0	23	1	1	0	28	0	0	0
8	13	RAFAELA HERRERA	1,993	12	0	0	0	17	0	0	0	22	1	1	0
9	77	VILLA FRATERNIDAD	1,990	15	0	0	0	20	0	0	0	25	1	1	0
10	78	BUENOS AIRES	1,990	15	0	0	0	20	0	0	0	25	1	1	0
11	41	SAN CRISTOBAL N°-1	1,992	13	0	0	0	18	0	0	0	23	0	0	0
12	104	SAN CRISTOBAL N°-3	1,993	12	0	0	0	17	0	0	0	22	1	1	0
13	14	MERCEDES N°-9	1,982	23	0	0	0	28	0	0	0	33	0	0	0
14	17	MERCEDES N°-1	1,975	30	1	1	0	35	0	0	0	40	0	0	1
15	18	MERCEDES N°-3	1,974	31	1	1	0	36	0	0	0	41	0	0	1
16	19	MERCEDES N°-4	1,974	31	0	0	0	36	0	0	1	10	0	0	0
17	20	MERCEDES N°-5	1,973	32	0	0	0	37	0	0	1	10	0	0	0
18	22	MERCEDES N°-6	1,975	30	1	1	0	35	0	0	0	40	0	0	1
19	21	MERCEDES N°-7	1,975	30	0	0	0	35	0	0	1	10	0	0	0
20	24	MERCEDES N°-8	1,976	29	1	1	0	34	0	0	0	39	0	0	1
21	25	MERCEDES N°-14	1,977	28	1	1	0	33	0	0	1	5	0	0	0
22	26	MERCEDES N°-15	1,982	23	0	0	0	28	0	0	0	33	0	0	1
23	79	MERCEDES N°-16	1,990	15	0	0	0	20	0	0	0	25	1	1	0
24	80	MERCEDES N°-17	1,990	15	1	1	0	20	0	0	0	25	0	0	0
25	81	MERCEDES N°-18	1,990	15	0	0	0	20	0	0	0	25	1	1	0

6	6	0	1	1	4	8	8	5
---	---	---	---	---	---	---	---	---

Note: No. order 26 to 31 are wells of Ciudad Sandino

Urgent Rehabilitation Wells
Wells to be eliminated

ANNEX 3.M(3) RENEWAL AND MAINTENACE OF LOW LAND WELLS & PUMP (2/3)

No.	No. of Well	Zone of High land Name of Wells	Year (Const.)	Urgent			Medium Term			Long Term					
				Period	Renewal of Pump	Cleaning of Well	Renewal of Well	Period	Renewal of Pump	Cleaning of Well	Renewal of Well	Period	Renewal of Pump	Cleaning of Well	Renewal of Well
32	96	EL RETIRO	1,988	17	0	0	0	22	1	1	0	27	0	0	0
33	106	NICARAO No.3	1,993	12	0	0	0	17	0	0	0	22	1	1	0
34	27	SABANA GRANDE No 1	1,987	18	0	0	0	23	0	0	0	28	0	0	0
35	28	SABANA GRANDE No 2	1,987	18	0	0	0	23	0	0	0	28	0	0	0
36	29	SABANA GRANDE No 3	1,987	18	0	0	0	23	0	0	0	28	0	0	0
37	30	SABANA GRANDE No 4	1,987	18	0	0	0	23	1	1	0	28	0	0	0
38	31	SABANA GRANDE No 5	1,988	17	1	1	0	22	0	0	0	27	0	0	0
39	68	V. AUSTRIA (JICA No 4)	1,992	13	0	0	0	18	0	0	0	23	1	1	0
40	46	VILLA LIBERTAD	1,987	18	0	0	0	23	0	0	0	28	0	0	0
41	55	SHELL METROCENTRO	1,988	17	0	0	0	22	1	1	0	27	0	0	0
42	54	LOS GAUCHOS	1,987	18	0	0	0	23	1	1	0	28	0	0	0
43	53	PARQUE LAS MADRES	1,988	17	0	0	0	22	1	1	0	27	0	0	0
44	89	I.N.E CENTRAL	1,990	15	0	0	0	20	0	0	0	25	1	1	0
45	52	LA MASCOTA	1,987	18	0	0	0	23	0	0	0	28	0	0	0
46	34	ALTAMIRA N°- 4	1,972	33	0	0	0	38	0	0	1	5	0	0	0
47	35	ALTAMIRA N°- 5	1,986	19	0	0	0	24	1	1	0	29	0	0	0
48	83	PLAZA EL SOL	1,990	15	0	0	0	20	0	0	0	25	1	1	0
49	91	LAUREANO MAIRENA	1,990	15	0	0	0	20	0	0	0	25	0	0	0
50	112	ANEXO V. LIBERTAD	2,001	4	0	0	0	9	0	0	0	14	0	0	0
51	113	NUEVA VIDA	2,000	5	0	0	0	10	0	0	0	15	0	0	0
52	48	14 DE SEPTIEMBRE	1,986	19	0	0	0	24	1	1	0	29	0	0	0
					1	1	0		7	7	1		4	4	0

ANNEX 3.M(4) RENEWAL AND MAINTENANCE OF LOW LAND WELLS & PUMP (3/3)

No.	No. of Well	Zone of High Superior Land Name of Wells	Year (Const.)	Urgent				Medium Term				Long Term			
				Period	Renewal of Pump	Cleaning of Well	Renewal of Well	Period	Renewal of Pump	Cleaning of Well	Renewal of Well	Period	Renewal of Pump	Cleaning of Well	Renewal of Well
53	58	KM 8.5 C. SUR(S Patr)	1988	17	0	0	0	22	1	1	0	27	0	0	0
54	59	KM 9.2 C. SUR	1987	18	0	0	0	23	1	1	0	28	0	0	0
55	86	KM 11.5 C. SUR	1990	15	0	0	0	20	0	0	0	25	1	1	0
56	95	KM 13.5 C. SUR	1993	12	0	0	0	17	0	0	0	22	1	1	0
57	60	KM 14.5 C. SUR	1986	19	0	0	0	24	1	1	0	29	0	0	0
58	61	KM 14.5 C. VIEJA A LEON	1987	18	0	0	0	23	1	1	0	28	0	0	0
59	90	Km 7 C. MASAYA	1990	15	0	0	0	20	0	0	0	25	1	1	0
60	70	VERACRUZ N°- 2	1976	29	0	0	0	34	0	0	1	5	0	0	0
61	71	VERACRUZ N°- 3	1975	30	1	1	0	35	0	0	0	40	0	0	1
62	74	VERACRUZ N°- 4	1989	16	0	0	0	21	1	1	0	26	0	0	0
63	75	VERACRUZ N°- 5	1989	16	1	1	0	21	0	0	0	26	0	0	0
64	76	VERACRUZ N°- 6	1989	16	0	0	0	21	1	1	0	26	0	0	0
65	108	CENTROAMERICA N°- 4	1994	11	1	1	0	16	0	0	0	21	0	0	0
66	50	REPTO. SHICK N°- 2	1988	17	0	0	0	22	1	1	0	27	0	0	0
67	88	REPARTO. SHICK N°- 3	1990	15	0	0	1	5	0	0	0	10	0	0	0
68	109	REPARTO. SHICK N°- 4	1994	11	0	0	0	16	0	0	0	21	1	1	0
69	43	SAN JUDAS N°- 1	1984	21	0	0	0	26	0	0	1	5	0	0	0
70	44	SAN JUDAS N°- 2	1985	20	0	0	0	25	0	0	1	5	0	0	0
71	45	SAN JUDAS N°- 3 (v. hermosa)	1988	17	0	0	0	22	1	1	0	27	0	0	0
72	85	LOMA LINDA	1990	15	0	0	0	20	0	0	0	25	1	1	0
73	64	TORRES MOLINA N°-1	1984	21	0	0	0	26	0	0	1	5	0	0	0
74	110	TORRES MOLINA N°-2	1995	10	0	0	0	15	0	0	0	20	0	0	0
75	66	VILLA PANAMA	1988	17	0	0	0	22	1	1	0	27	0	0	0
76	51	MANOLO MORALES	1987	18	0	0	0	23	1	1	0	28	0	0	0
77	63	(HOSP.) BERTA CALDERON	1987	18	0	0	0	23	1	1	0	28	0	0	0
78	62	(HOSP.) VELEZ PAIZ	1988	17	0	0	0	22	1	1	0	27	0	0	0
79	87	JULIO MARTINEZ	1990	15	0	0	0	20	0	0	0	25	1	1	0
80	93	PADRE FABRETO	1988	17	0	0	0	22	1	1	0	27	0	0	0
81	97	SAN ISIDRO DE LA CRUZ VERDE 2	1993	12	0	0	0	17	0	0	0	22	0	0	0
82	113	ALPES N°- 1	1987	18	0	0	0	23	1	1	0	28	0	0	0
83	114	ALPES N°- 2	1995	10	0	0	0	15	0	0	0	20	0	0	0
84	115	ALPES N°- 3	1991	14	0	0	0	19	0	0	0	24	0	0	0
85	116	ALTOS DE SANTO DOMINGO	2000	5	0	0	0	10	0	0	0	15	0	0	0
86	117	KM. 17 CARRETERA SUR	2001	4	0	0	0	9	0	0	0	14	0	0	0
87	65	UNAN	1984	21	0	0	0	26	0	0	1	5	0	0	0
119	149	Chiquistagua	2001	4	0	0	0	9	0	0	0	14	0	0	0
120	150	Cedro Galan	2001	4	0	0	0	9	0	0	0	14	0	0	0
121	151	Planetanium	2001	4	0	0	0	9	0	0	0	14	0	0	0
				3	3	1		14	14	5		6	6	1	

ANNEX 3.M(5) Managua 1 Equipment Situation at December 2004 and Rehabilitation Plan

Well No	Actual Installed Pump	Actual Production (m3/day)
E1	New Pump & Motor of ENACAL	5,472
E2	New Pump & Motor of ENACAL	5,614
E3	New Pump & Motor of ENACAL	4,464
E4	-	0
E5	Reconstructed Pump & Motor	4,175
E6	New Pump & Motor of ENACAL	5,543
E7	Reconstructed Pump & Motor	3,744
W1	New Pump & Motor of ENACAL	3,456
W2	New Pump & Motor of ENACAL	3,744
W3	Reconstructed original pump Grundfos motor	3,167
W4	New Pump & Motor of ENACAL	5,183
W5	New Pump & Motor of ENACAL	5,183
W6	Reconstructed original pump	3,744
W7	New Pump & Motor of ENACAL	3,020
W8	Reconstructed Pump & Motor	3,456
	Total	59,965

Renewal of Pump	Well Cleaning & Development	Renewal of well	Projected Production
No	No		5,472
No	No		5,614
No	No		4,464
Yes	Yes		5,040
No	No		4,175
No	No		5,543
No	Yes		4,119
No	Yes		3,801
No	Yes		4,119
Yes	Yes		5,040
No	No		5,183
No	No		5,183
Yes	Yes		5,040
No	No	Yes	5,040
Yes	Yes		3,801
4 pumps	7 wells cleaning & Development	1 well & Equipment	71,635

ANNEX 3.M(6) Managua 2 Equipment Situation at December 2004 and Rehabilitation Plan

Well No	Actual Installed Pump	Actual Production (m3/day)
P1	Original Equipment	3,600
P2	Original Equipment	3,600
P3	Original Equipment	2,900
P4	Original Equipment	2,900
P5	Original Equipment	3,800
P6	Damaged by thunderbold	0
P7	Original Equipment	2,500
P8	Pump of P-9 (Original Burned)	3,000
P9	Pump of P-14(Original translated to P-8)	3,000
P10	Original Equipment	3,900
P11	No Equipment	0
P12	Original Equipment	3,100
P13	Original Equipment	4,300
P14	No Equipment (Original translated to P-9)	0
P15	Original Equipment	3,600
P16	No Equipment	0
	Total	40,200

Renewal of Pump	Well Cleaning & Development	Renewal of well	Projected Production
No	No		3,600
No	No		3,600
No	No		2,900
No	No		2,900
No	No		3,800
Yes	Yes		3,700
No	No		2,500
Yes	No		3,000
No	No		3,000
No	No		3,900
Yes	Yes		3,700
No	No		3,100
Panel	No		4,300
No	Yes		3,700
No	No		3,600
Yes	Yes		3,700
4 pumps	4 wells cleaning & Development		55,000
1 panel			