社会開発調査部報告書

No. 4

REPUBLIC OF THE PHILIPPINES

METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

VOLUME 4

DATA REPORT

2

JUNE 1992

JAPAN INTERNATIONAL COOPERATION AGENCY

S S S
92-057(4/4)

CHAPTER 4

WELL INVENTORY

WELL INVENTORY

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
ATP-1001	MWSS PUMP #1	14- 35- 25	DCA	06/24/83	141.80	15	11.80	24.50	6.49	1	1
	M. L. Quezon, Antipolo, Rizal	121- 10- 29									
ATP-1002	MWSS PUMP #2	14- 35- 14		/ /76	163.10	20	21.30	32.60	10.42	1	1
	Sto. Nino, Antipolo, Rizal	121- 10- 39									
ATP-1003	MWSS PUMP #3	14- 34- 58		/ /	150.90	15	21.30	32.90	12.63	1	1
	P. Burgos, Antipolo, Rizal	121- 10- 35									
ATP-1004	MWSS PUMP #4	14- 35- 16		/ /76	100.00	20	14.00	33.50	7.58	1	1
	Nursery, Antipolo, Rizal	121- 10- 4									
ATP-1005	MWSS PUMP #5	14- 34- 54		/ /76	151.80	15	20.70	39.00	7.58	1	1
	Circumferential Road, Antipolo.	121- 10- 12									
ATP-1006	MWSS PUMP #6	14- 34- 55		/ /	135.30	20	25.80	36.80		1	1
	Road to Teresa, Antipolo, Rizal	121- 10- 50									
ATP-1007	MWSS COGEO PUMP #5	14- 37- 44	BPW	/ /	40.00	25	9.94	12.80	12.60	1	1
	Cogeo, Antipolo, Rizal	121- 9- 58									
ATP-1008	MWSS COGEO PUMP #3	14- 37- 27	Metcee	/ /79		20			5.30	1	3
	Cogeo, Antipolo, Rizal	121- 10- 0									
ATP-1009	MWSS COGEO PUMP #4	14- 37- 29	Hydro	/ /80		25	3.60	8.50	9.40	1	1
	Cogeo, Antipolo, Rizal	121- 9- 55									
ATP-1010	MWSS COGEO PUMP #1	14- 37- 39	Hydro	/ /76	91.00	15	6.24	35.50	4.60	1	1
	Cogeo, Antipolo, Rizal	121- 10- 53									
ATP-1011	MWSS COGEO PUMP #2	14- 37- 35		/ /	73.90	15	5.50		17.83	1	1
	Cogeo, Antipolo, Rizal	121- 9- 58									
ATP-1012	MWSS PUMP #7	14- 35- 10	Kobwell	/ /81	183.00	20	23.00	34.00	18.00	1	1
	Sumulong Elem. School, Antipolo	121- 10- 21									
ATP-1013	MWSS PUMP #8	14- 35- 35	PIWDC	/ /81	177.00	20	19.00	39.00	28.40	1	1
	San Isidro Elem. School, Antipolo	121- 10- 48									
ATP-1014	MWSS PUMP #9	14- 35- 31		/ /83	213.00	25	28.00	51.00	28.00	1	1
	Ang Tahanan, Antipolo, Rizal	121- 10- 55									
ATP-1015	MWSS COGEO PUMP #6	14- 37- 35	PIWDC	/ /82	117.00	20	13.00	87.00	10.00	1	1
	Cogeo, Antipolo, Rizal	121- 9- 51									
ATP-1016	MWSS PUMP #10	14- 35- 39	DCA	06/24/83	147.90	25	7.31	39.62	22.50	1	1
	Saguinsin cor. Circumferential Road	121- 10- 15									
ATP-2001	NHA (Pumping Well #2)	- -	Eurasia	08/01/85	182.93	20	30.49	123.40	1.18	1	
	Bagong Nayon II Resettlement Project	- -									
ATP-2002	Barangay Hills Subdivision #2	- -	Hydro	/ /90	183.00					1	
	Antipolo, Rizal	- -									
ATP-2003	Loreto D. Junsay	14- 35- 42	Whitewater	12/01/88			0.61	2.74	1.89	1	
	Sumulong Hi-Way, Mambugan, Antipolo	121- 9- 4									
ATP-2004	Prosperity Farms Incorporated	14- 38- 9		02/28/54	140.24		25.30	60.50	2.90	6	
	Barrio Cupang, Antipolo, Rizal	121- 7- 33									
ATP-2005	Carolina Village Subdivision	- -	Hydro	03/30/89	121.95		4.87	57.92	0.56	1	
	Bgy. De la Paz, Marcos Hi-Way	- -									
ATP-2006	Far East Asia Development Corp.	14- 37- 30	PIWD	12/08/89	182.93	20	20.73	123.40	1.17	1	
	Far East Asia Village, Antipolo	121- 07- 43									
ATP-2007	Victoria Valley Subdivision	14- 35- 38		10/28/79	121.95		3.66	58.65	1.01	1	
	Antipolo, Rizal	121- 8- 52									
ATP-2008	FEU Health Welfare & Retirement Fund	14- 37- 1	Aneco	11/12/76	121.95		7.60			1	
	Papaya Street, Antipolo, Rizal	121- 7- 40									
ATP-2009	Samahang Bagong Lipunan Found. Inc.	14- 37- 25	J.B. Hoover	/ 8/25	51.22		7.92	12.20	6.94	1	
	Cogeo, Antipolo, Rizal	121- 9- 59									

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ATP-2010	PSP Development Corporation Broadway Pines Executive Village, Bo. Mayamot, Antipolo, Rizal	14- 38- 18 121- 6- 44	Hydro	/ /84	91.46		2.74	7.62	12.62	1	
ATP-2011	Coca-Cola Bottlers Phils. Inc. CCBPI Well #3, Sumulong Hi-Way	14- 38- 15 15-121- 6	MSD/CESD	11/30/82	128.04		27.43	41.14	5.05	4	
ATP-2012	Coca-Cola Bottlers Phils. Inc. CCBPI Well #2, Sumulong Hi-Way	14- 38- 10 121- 6- 45	MSD/CESD	/ /	128.04	20	32.62	57.02	10.42	4	
ATP-2013	Coca-Cola Bottlers Phils. Inc. CCBPI #1, Sumulong Hi-Way, Antipolo	14- 38- 3 121- 6- 45		03/15/84	128.00		31.50	68.50	8.33	4	
ATP-2014	Lores Realty Enterprises Inc. Barangay Balimbing, Antipolo, Rizal	14- 34- 36 121- 10- 41	Acoje	08/24/83	121.95		7.32	38.69	13.50	1	
ATP-2015	Fortune Housing Corporation Finasia Homes Subdivision, Antipolo	14- 37- 53 121- 6- 32	J. Manuel	09/12/82	128.00	20	43.60	47.56	3.79	1	
ATP-2016	GLORIA HEIGHTS Abner St. cor. Lily St., Dalig	14- 34- 6 121- 11- 16	Miguel	/ /79	121.95	20	30.48	32.00	11.05	1	
ATP-2017	PHILIPPINE BAPTIST MISSION Bo. Mayamot, Antipolo, Rizal	14- 35- 37 121- 6- 11	PIWDC	12/01/84	125.00	15	18.90	73.09	2.52	1	
ATP-2018	SANVAR DEVELOPMENT CORPORATION Lumang Bayan Subd., Mayamot	14- 37- 39 121- 8- 21	Guallar	07/01/86			15.21	42.38	5.05	1	
ATP-2019	ATLAS FARMS, INC. Antipolo, Rizal	- - - -	PIWDC	/ /86	159.00	20	62.50	64.79	20.00	8	
ATP-2020	REDEMPTORIST FATHERS Sumulong Highway, Antipolo, Rizal	14- 37- 21 121- 8- 38		/ /69	87.70					1	
ATP-2021	KINGSVILLE CONSTRUCTION SUPPLY Mambugan, Antipolo, Rizal	- - - -	S.R.D.	/ /79	91.44	15	36.60	54.90	5.30	3	
ATP-2022	CHRISTIMAR VILLAGE (F.B. MARINAS) Christimar Village, Antipolo, Rizal	- - - -	Lopez	/ /72	121.94	20	1.20	11.50	0.95	1	
ATP-2023	F.D. SANTANA Antipolo, Rizal	- - - -	Acoje	/ /73	121.94	20	25.90	97.50	0.95	1	
ATP-2024	GOLDEN HILLS SUBD. (ANTHONY REEDYK) Golden Hills Subd., Antipolo, Rizal	- - - -	Acoje	/ /74	79.24	15	18.90	51.80	1.26	1	
ATP-2025	ROBINA FARMS #1 Antipolo, Rizal	14- 34- 50 121- 11- 08	PIWDC	/ /77	182.87	20	53.30	56.40	4.42	8	
ATP-2026	VICTORIA VALLEY PACIFIC PRODUCTS Antipolo, Rizal	- - - -	Hydro	/ /78	79.30	15	12.20	24.40	5.99	8	
ATP-2027	CHRISTIMAR VILLAGE Antipolo, Rizal	- - - -	Lopez	/ /72	114.30	15	1.20	1.50	0.80	1	
ATP-2028	MARINDUQUE INDUSTRIES Tagbac Valley, Antipolo, Rizal	- - - -	Acoje	/ /56	61.30	20	21.50	21.00	9.50	8	
ATP-2031	GOLDEN HILLS SUBDIVISION Antipolo, Rizal	- - - -	Lopez	/ /65	65.53	15	19.80		1.00	1	
ATP-2032	BEVERLY HILLS Beverly Hills, Antipolo, Rizal	- - - -		/ /69	80.80	15	4.50		1.00	1	
ATP-2033	SUNSHINE REALTY Antipolo, Rizal	- - - -		/ /					5.00	1	
ATP-2034	NGA Antipolo, Rizal	- - - -		/ /					1.20	8	
ATP-2035	NAYONG SILANGAN #1 Nayong Silangan Subd., Antipolo	14- 34- 11 121- 10- 52		/ /	121.95	20			9.25	1	1
ATP-2036	NAYONG SILANGAN #2 Manga Drive, Nayong Silangan Subd.	14- 34- 13 121- 10- 50		/ /	121.95	20	4.00		18.51	1	1

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ATP-2037	BANABA COURT	14- 34- 14	Miguel	/ /80	125.30	20	3.00		1.85	1	1
	Yakal. Cor. Molave. Banaba Court	121- 10- 55									
ATP-2038	MED. INDUSTRIES & REHABILITATION	- -		/ /				1.00	0.60	8	
	Antipolo. Rizal	- -									
ATP-2039	KINGSVILLE #1	- -		/ /	91.46	15			2.00	1	
	Antipolo. Rizal	- -									
ATP-2040	VILLA CECILIA	- -		/ /					4.00	1	
	Antipolo. Rizal	- -									
ATP-2044	LOURDES SUBD.	- -		/ /76	42.68	5			6.00	1	
	Antipolo. Rizal	- -									
ATP-2045	COL. BATACLANG	- -		/ /		5			0.30	1	
	Antipolo. Rizal	- -									
ATP-2046	PERMABLOCK	- -		/ /					7.40	8	
	Antipolo. Rizal	- -									
ATP-2047	LA COLINA #1	14- 36- 41		/ /					8.51	1	1
	Comin St., La Colina Village	121- 9- 6									
ATP-2048	GREENHEIGHTS SUBDIVISION	- -		/ /					1.00	1	
	Antipolo, Rizal	- -									
ATP-2049	ISLAND CEMENT #1	- -	Acoje	/ /72	60.00	15			5.05	8	3
	Tagbac, Antipolo. Rizal	- -									
ATP-2050	ISLAND CEMENT #2	14- 35- 8	Acoje	/ /72	60.00	15			5.68	8	1
	Near Powerhouse, TACB SCC Compound	121- 12- 8									
ATP-2051	ISLAND CEMENT #3	14- 35- 20	Acoje	/ /73	60.00	15			5.68	8	1
	Near Warehouse, SCC Compound, Tagbac	121- 12- 13									
ATP-2052	ISLAND CEMENT #4	14- 35- 28	Acoje	/ /73	60.00	15			5.60	8	1
	Near Kiln, SCC Compound, Tagbac	121- 12- 13									
ATP-2053	ISLAND CEMENT #5	- -	Acoje	/ /73	60.00	15			5.30	8	4
	Tagbac, Antipolo. Rizal	- -									
ATP-2054	ISLAND CEMENT #6	- -	Acoje	/ /79	122.00	20			6.94	8	
	Tagbac, Antipolo, Rizal	- -									
ATP-2055	ISLAND CEMENT #7	- -	Acoje	/ /80	122.00	20			6.80	8	
	Tagbac, Antipolo. Rizal	- -									
ATP-2056	ISLAND CEMENT #8	14- 35- 13	Acoje	/ /80	60.00	20			5.80	8	1
	Jr. Staffhouse, SCC Compound, Tagbac	121- 12- 23									
ATP-2057	ISLAND CEMENT #9	14- 35- 18	Acoje	/ /80	60.00	20	6.00		6.20	8	1
	Near Kaynaog Creek, SCC Compound	121- 12- 27									
ATP-2059	ISLAND CEMENT #10	14- 35- 7	Acoje	/ /80	190.00	25				8	1
	Guesthouse, SCC Compound, Tagbac	121- 12- 30									
ATP-2060	SOLID CEMENT CORPORATION #11	14- 35- 3		/ /						8	1
	Duplex, SCC Compound, Tagbac	121- 12- 23									
ATP-2061	Streesworlds Inc.	- -		/ /80	130.00	10	90.00		1.57	8	
	Antipolo, Rizal	- -									
ATP-2062	Francisville Subdivision	- -		/ /		20			2.00	1	
	Antipolo, Rizal	- -									
ATP-2063	Maris Subdivision	- -		/ /					4.62	1	
	Antipolo, Rizal	- -									
ATP-2064	Milagros Subd.	- -		/ /	183.00	20			1.85	1	1
	Antipolo, Rizal	- -									
ATP-2065	Grand Heights	- -		/ /					2.00	1	1
	Circumferential Road, Bo. San Roque	- -									

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ATP-2066	Vitarich Corporation	- -		/ /	183.00	15	27.00		3.15	8	1
	Vitarich Farm No.6 Mambugan	- -									
ATP-2067	Valley Golf #1	- -	Hydro	/ /	110.00	20			2.00	3	
	Antipolo, Rizal	- -									
ATP-2068	Valley Golf #2	- -	Hydro	/ /78	182.00	20	6.20		2.00	3	
	Antipolo, Rizal	- -									
ATP-2069	Valley Golf #3	- -	Hydro	/ /78	182.00	20	2.90		2.00	3	
	Antipolo, Rizal	- -									
ATP-2070	Valley Golf #4	- -		/ /					2.00	3	
	Antipolo, Rizal	- -									
ATP-2071	Valley Golf #5	- -	Hydro	/ /	182.00	25	23.85		2.00	3	
	Antipolo, Rizal	- -									
ATP-2072	Valley Golf #6	- -	Hydro	/ /	182.00	25	3.70		2.00	3	
	Antipolo, Rizal	- -									
ATP-2073	La Veranda	- -		/ /					0.70	1	
	Antipolo, Rizal	- -									
ATP-2074	Cavalier #1	14-36-38		/ /					1.30	1	1
	Antipolo, Rizal	121-09-32									
ATP-2075	Cavalier #2	- -		/ /					2.00	1	
	Antipolo, Rizal	- -									
ATP-2076	Reliance Farm	- -		/ /					3.70	8	
	Antipolo, Rizal	- -									
ATP-2077	Suburbs Industrial Corp.	- -		/ /					2.00	8	
	Antipolo, Rizal	- -									
ATP-2078	C M M C	- -		/ /74	182.00		91.00		2.60	8	
	Antipolo, Rizal	- -									
ATP-2079	San Antonio Village	14- 34- 19		/ /					1.00	1	
	Antipolo, Rizal	121- 11- 03									
ATP-2080	San Antonio Village #2	- -		/ /						1	
	Antipolo, Rizal	- -									
ATP-2081	Robina Farms #2	14- 34- 47		/ /	54.87				1.89	8	
	Antipolo, Rizal	121- 11- 16									
ATP-2082	Citizen Development Realty	14- 35- 57		/ /77	122.00	20			6.80	1	
	Banker's Village Phase I, Dela Paz, Sumulong High-way, Antipolo, Rizal	121- 10- 31									
ATP-2083	Dona Angela Subdivision	- -		/ /82					1.00	1	
	Antipolo, Rizal	- -									
ATP-2084	Ameca Construction	14- 35- 17		03/30/84					2.87	1	
	Valley Golf, Antipolo, Rizal	121- 6- 53									
ATP-2085	Meteor Co.	14- 39- 2		12/14/84					3.00	1	
	Cupang, Antipolo, Rizal	121- 8- 2									
ATP-2086	Estate Developers	14- 38- 12		05/12/85					9.00	1	
	San Isidro, Antipolo, Rizal	121- 15- 4									
ATP-2087	F.T. Herrera	14- 38- 8		06/30/85					1.00	1	
	Mayamot, Antipolo, Rizal	121- 7- 27									
ATP-2088	Mary R. Arcilla	14- 37- 44		01/21/88					0.29	1	
	Cupang, Antipolo, Rizal	121- 7- 29									
ATP-2089	Intersphere Builders Corporation	14- 37- 18		03/14/89					0.50	1	
	Mambugan, Antilplo, Rizal	121- 7- 32									
ATP-2090	R.E. Ramos Development Corporation	14- 35- 5		05/09/89					0.40	1	
	Mayamot, Antipolo, Rizal	121- 8- 36									

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ATP-2091	La Colina	14- 36- 35		/ /					0.55	1	1
	Bo. Mayamot, Antipolo, Rizal	121- 8- 8									
ATP-2093	Lores Realty Enterprises, Inc.	14- 34- 43		/ /					7.00	1	1
	Lores Country Homes #1	121- 10- 35									
ATP-2094	Lores Realty Enterprises, Inc.	14- 34- 39		/ /					7.00	1	1
	Lores Country Homes #2	121- 10- 36									
ATP-2095	Kingsville C.D.C. Well #1	14- 37- 19		09/27/85					5.31	1	1
	Mambugan, Antipolo, Rizal	121- 7- 24									
ATP-2096	Kingsville Well #2	14- 37- 25		09/27/85					4.16	1	1
	Mambugan, Antipolo, Rizal	121- 7- 21									
ATP-2097	Kingsville C.D.C. Well #3	14- 37- 32		09/27/85					3.15	1	1
	Mambugan, Antipolo, Rizal	121- 7- 22									
ATP-2098	Kingsville #4	14- 37- 2		/ /					3.09	1	1
	Richard Street, Antipolo, Rizal	121- 7- 45									
ATP-2099	San Roque Development Corporation	14- 37- 11		/ /					3.28	1	1
	Emerald Heights Gardenville, Mambugan	121- 7- 44									
ATP-2100	Top Service	14- 34- 58		04/01/86					1.93	1	1
	Tubigan, Antipolo, Rizal	121- 10- 19									
ATP-2101	Top Service Inc. #1	14- 35- 1		/ /					18.93	1	1
	Sumulong Street, Antipolo, Rizal	121- 10- 20									
ATP-2102	Sta. Lucia Realty	14- 36- 25		/ /					7.88	1	1
	Palos Verde Sumulong Highway	121- 10- 25									
ATP-2103	Sta. Lucia Realty	14- 34- 24		/ /					7.50	1	1
	Pines City, Sumulong Highway	121- 10- 26									
ATP-2104	Unciano Medical Center	14- 34- 24		/ /					1.75	1	1
	Circumferential Road	121- 10- 14									
ATP-2105	Deleye Construction	14- 34- 44		/ /					0.42	1	1
	Deleye Village, Barangay Dalig	121- 10- 31									
ATP-2106	Assumption Grade School	14- 36- 16		/ /					5.25	1	1
	Antipolo, Rizal	121- 10- 50									
ATP-2107	CCSPI #1	14- 38- 3		/ /84						4	
	CCSPI, Sumulong High-way, Antipolo, Rizal	121- 6- 45									
ATP-2109		- -		/ /	64.00		3.65	9.94	0.44	1	1
	Aurora Street, Antipolo, Rizal	- -									
ATP-2110	Bagong Nayon (Lungsod Silangan)	- -		/ /	90.00		15.00		2.00	1	
	Antipolo, Rizal	- -									
ATP-2111	Bagong Nayon (Lungsod Silangan)	- -		/ /	65.00		1.40			1	
	Antipolo, Rizal	- -									
ATP-2112	Begumbayan	- -		/ /	56.00		2.13	17.88	0.63	1	
	Antipolo, Rizal	- -									
ATP-2113	Beverly Hills	- -		/ /	244.00		6.09			1	
	Cupang, Antipolo, Rizal	- -									
ATP-2114		- -		/ /			4.60	5.51	0.95	1	
	Antipolo, Rizal	- -									
ATP-2115		- -		/ /82			6.10			1	
	Dela Paz, Antipolo, Rizal	- -									
ATP-2116		- -		/ /	97.00		3.65	4.56	0.50	1	
	E. dela Paz, Antipolo, Rizal	- -									

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ATP-2117	Gronido Heights	- -		/ /			30.48	32.01	11.05	1	
	Antipolo, Rizal	- -									
ATP-2118	Hinapo	- -		/ /	128.00		18.29			1	
	Antipolo, Rizal	- -									
ATP-2119	Masapnot	- -		/ /	61.00		12.19	16.69	1.26	1	
	Antipolo, Rizal	- -									
ATP-2120	Mayamot	- -		/ /	91.43		2.74			1	
	Antipolo, Rizal	- -									
ATP-2121	Poblacion Public Market	- -		/ /	88.00		6.40			1	
	Antipolo, Rizal	- -									
ATP-2123		- -		/ /	416.00		13.71			1	
	Antipolo, Rizal	- -									
ATP-2124		- -		/ /	174.00		1.34	6.96	11.35	1	
	Sto. Nino, Antipolo, Rizal	- -									
ATP-2125	Tahanan Village	- -		/ /	213.41		28.20			1	
	Antipolo, Rizal	- -									
ATP-2126	Solid Cement #12	14- 35- 24	Desco	/ /91	152.44	20	7.16			8	
	Tagbac, Antipolo	121- 12- 13									
ATP-2127	Solid Cement #13	14- 35- 26	Desco	/ /91	152.44	20	17.81			8	
	Tagbac, Antipolo	121- 12- 25									
ATP-2128	Robina Farms	14- 34- 47		/ /	105.18	15	59.65			8	1
	Road to Teresa, Antipolo	121- 11- 23									
ATP-2129	Oro Vista Royal	14- 37- 48		/ /91		15	10.43			1	1
	Antipolo, Rizal	121- 8- 29									
BCR-1001	MWSS Daang Bukid	14- 27- 20	Metro	/ /83	108.20	15	25.90	39.90	8.84	1	1
	Daang Bukid, Bacoor, Cavite	120- 56- 23									
BCR-1002	MWSS Poblacion	14- 27- 42		/ /78	129.50	25	32.90	54.90	15.20	1	1
	Poblacion, Bacoor, Cavite	120- 56- 17									
BCR-1003	MWSS Bo. Niog	14- 27- 22	Condrill	04/17/80	274.30	25	39.00	53.90	30.00	1	1
	St. Joseph Subdivision, Bo. Niog	120- 57- 17									
BCR-1004	MWSS Bo. Talaba	14- 27- 50	NWSA	/ /54	211.90	10	1.83	4.60	3.20	1	1
	Bo. Talaba, Bacoor, Cavite	120- 57- 22									
BCR-1005	MWSS Bo. Banalo	14- 27- 17	Condrill	/ /78	243.80	25	22.00	43.30	13.10	1	3
	Bo. Banalo, Bacoor, Cavite	120- 55- 43									
BCR-1007	MWSS Central	14- 27- 35	PIWDC	12/22/84	305.00	25	50.51	96.34	17.98	1	1
	Bacoor Central Elem. School, Bacoor	120- 56- 12									
BCR-2001	Household Development Corporation	- -	Desco	10/01/90	262.20		17.50	19.09	8.40	1	
	Camella Homes, Molino, Bacoor	- -									
BCR-2002	MEADOWOOD	- -	Quick-Drill	10/01/88	226.60		8.20	61.44		1	
	Bacoor , Cavite	- -									
BCR-2003	ARB Construction	- -	Eurasia	06/10/84	243.90		25.30	32.62	8.33	1	
	Soldiers Hills IV, Bo. Molino	- -									
BCR-2004	Magdiwang Realty Corporation	- -	Shamrock	/ /76	152.44		17.00		6.00	1	
	Bo. Molino, Bacoor	- -									
BCR-2005	Household Dev. Corp.	- -	Hydro	/ /89	244.00	25				1	
	Mabolo, Bacoor	- -									
BCR-2006	Dr. Olegario Cantos	- -	Shamrock	12/30/72	152.44		7.62	10.29	9.47	1	
	Bo. San Nicolas, Bacoor	- -									
BCR-2007	Bahayang Pag-asa Inc.	14- 24- 03	Plus Builders	10/01/88	161.28		14.44	22.12	10.85	1	
	Bgy. Molino, Bacoor	120- 58- 02									

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BCR-2008	Sarao Development Corporation	14- 26- 11	Sarcon	03/30/89	121.95	20	4.88	7.32	4.42	1	
	Tia maria Townhouse Village, Bacoor	120- 56- 44									
BCR-2009	Household Development Corporation	- -	Hydro	/ /89	183.00	25				1	
	Bacoor, Fairfield	- -									
BCR-2010	Linear Incorporated	14- 22- 31		/ /84					3.10	1	
	Barrio Molino	120- 58- 34									
BCR-2011	Paramount Development	14- 23- 27		/ /87					9.30	1	
	Barrio Molino	120- 58- 51									
BCR-2012	Ester Guevarra	14- 24- 20		/ /89					0.50	1	
	Barrio Molino	120- 58- 0									
BCR-2013	Delfin Hermanos Inc. (Well #4)	14- 24- 18		/ /89					6.46	1	
	Barrio Molino	120- 58- 10									
BCR-2014	BPW (BO. MOLINO) B	- -	NWSA	/ /61	33.50	10	10.40	11.27	0.31	1	
	Bo. Molino, Bacoor, Cavite	- -									
BCR-2015	BPW (BO. MOLINO) A	- -	NWSA	/ /61	35.10	10	16.50	17.10	0.31	1	
	Bo. Molino, Bacoor, Cavite	- -									
BCR-2016	QUEEN'S ROW SUBDIVISION #1	- -	Pyramid	/ /73	304.80	25	13.72	85.34	20.20	1	
	BO. MOLINO, BACOOR	- -									
BCR-2017	QUEEN'S ROW SUBDIVISION #2	- -	Pyramid	03/07/73	304.88	25	20.42	61.00	15.80	1	
	Bo. Molino, Bacoor, Cavite	- -									
BCR-2018	LOCAL GOVERNMENT PUBLIC PUMP	- -	NWSA	/ /	85.34	10	10.70			1	3
	Bo. Molino, Bacoor, Cavite	- -									
BCR-2019		- -		/ /	275.00		1.76			1	
	Alima, Bacoor, Cavite	- -									
BCR-2020		- -		/ /	298.00		1.82	4.86	3.16	1	
	Alima, Bacoor, Cavite	- -									
BCR-2021		- -		/ /	215.00		3.15			1	
	Alima, Bacoor, Cavite	- -									
BCR-2022		- -		/ /	307.00		0.91	36.91	2.52	1	
	Alima, Bacoor, Cavite	- -									
BCR-2023		- -		/ /	218.00		0.63			1	
	Banalo, Bacoor, Cavite	- -									
BCR-2024		14- 28- 33		/ /75	150.00		9.31	28.68	13.50	1	
	Bayanan, Bacoor, Cavite	120- 57- 36									
BCR-2025	NIA	- -		/ /			9.31		0.69	1	
	Bayanan, Bacoor, Cavite	- -									
BCR-2026		- -		/ /	117.00		0.91			1	
	Caingin, Bacoor, Cavite	- -									
BCR-2027		- -		/ /	233.00				12.62	1	
	Caridad, Bacoor, Cavite	- -									
BCR-2028		- -		/ /	125.00					1	
	Daan Bukid, Bacoor, Cavite	- -									
BCR-2029		- -		/ /	192.00		0.91	2.13	1.90	1	
	Digman, Bacoor, Cavite	- -									
BCR-2030		- -		/ /			6.10			1	
	Dulong Bayan, Bacoor, Cavite	- -									
BCR-2031	S. Miranda	- -		/ /			2.44		18.40	1	
	Habay, Bacoor, Cavite	- -									
BCR-2032	L. Asuncion	- -		/ /			7.62		14.10	1	
	Habay, Bacoor, Cavite	- -									

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BCR-2033		- -		/ /	128.00		3.04	26.73	3.79	1	
	Mabalo, Bacoor, Cavite	- -									
BCR-2034		- -		/ /	113.00		1.52	2.98	0.95	1	
	Maliksi, Bacoor, Cavite	- -									
BCR-2035	F. Castro	- -		/ /			5.49		13.80	1	
	Malumot, Bacoor, Cavite	- -									
BCR-2036	F. Red	- -		/ /			4.57		14.10	1	
	Mambog, Bacoor, Cavite	- -									
BCR-2037	A. Eusebio	- -		/ /			5.49		14.30	1	
	Mambog, Bacoor, Cavite	- -									
BCR-2039		14- 22- 31		/ /	120.00		27.00	56.00	12.60	1	
	Molino, Bacoor, Cavite	120- 55- 34									
BCR-2040		- -		/ /			4.57			1	
	Panapaan, Bacoor, Cavite	- -									
BCR-2041		- -		/ /	122.00				0.63	1	
	Panapaan, Bacoor, Cavite	- -									
BCR-2042		- -		/ /	276.00		6.70	24.35	25.24	1	
	Poblacion, Bacoor, Cavite	- -									
BCR-2043		- -		/ /	271.00		0.91		0.76	1	
	Public Market, Bacoor, Cavite	- -									
BCR-2044	A. Sarino	- -		/ /			1.99		14.10	1	
	Salinas, Bacoor, Cavite	- -									
BCR-2045	O. Cantos	- -		/ /			7.62	10.36	0.96	1	
	San Nicolas, Bacoor, Cavite	- -									
BCR-2046	E. San Jose	- -		/ /			3.66		15.10	1	
	San Nicolas, Bacoor, Cavite	- -									
BCR-2047	M. Gawaran	- -		/ /			9.14		35.30	1	
	San Nicolas, Bacoor, Cavite	- -									
BCR-2048	F. Paredes	- -		/ /			3.66		35.30	1	
	San Nicolas, Bacoor, Cavite	- -									
BCR-2049		- -		/ /	243.00		0.91	1.52	0.95	1	
	Zapote	- -									
BCR-2050		- -		/ /	194.00					1	
	Zapote	- -									
BCR-2051		- -		/ /	177.00		2.13	12.63	1.26	1	
	Zapote	- -									
BCR-2052		- -		/ /	200.00		1.52	3.06	0.63	1	
	Zapote	- -									
BCR-2053	Addas Development Corporation	14- 26- 6		/ /					10.51	1	1
	Addas II, Barrio Molino, Bacoor	120- 58- 25									
BCR-2054	New Townhomes GSIS	14- 24- 20		/ /					25.28	1	1
	Barrio Molino, Bacoor, Cavite	120- 59- 0									
BCR-2055	New Town Homes-GSIS	14- 24- 26		/ /		20	22.25			1	1
	Bacoor, Cavite	120- 59- 7									
CLA-1001	MWSS	- -	WPSDC	/ /79	91.40	15	28.35	42.98	3.47	1	3
	Pasmon Tala, Caloocan City	- -									
CLA-1002	MWSS	14- 40- 15	Katwell	12/19/81	305.00	20	41.50			1	2
	Katarungan St., Bagong Barrio	120- 59- 42									
CLA-1003	MWSS	14- 39- 56	Katwell	/ /81	274.30	20	119.80	141.70	4.50	1	2
	Banal St., Bagong Barrio	120- 59- 48									

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CLA-1005	MWSS Dagat-Dagatan, Caloocan City	14- 38- 51 120- 59- 33	Shamrock	/ /81	274.40	30				1	2
CLA-2001	ARB Construction Soldiers Hills #3, Novaliches	- - - -	Miguel	07/26/84	182.93	20	12.80	34.62	6.78	1	
CLA-2002	NHA Well #10 Phase VIII, TESSP, Tala. Cal. City	14- 46- 44 121- 03- 10	Eurasia	/ /85	198.17	20	11.89	37.60	10.95	1	
CLA-2003	NHA #3 Phase I, TSSP, Tala, Bagong Silang	14- 46- 28 121- 3- 9	DCA	/ /	198.17	20	51.19	74.50	9.38	1	
CLA-2004	NHA Well #8 Bagong Silang, Tala, Caloocan City	- - - -	Supreme	09/24/85	198.17	20	15.52	37.04	10.41	1	
CLA-2005	Philippine Plumbing Company Gotesco-Rizal Avenue, Monumento	- - - -	Hydro	/ /88	304.88	30	58.00	133.70	4.73	8	
CLA-2006	NHA Well #12 Bagong Silang Resettlement Proj., Tala	- - - -	Eurasia	09/16/85	198.17	20	16.77	45.12	17.48	1	
CLA-2007	Nutritive Snack Food Corporation Llano Road, Damong Maliit, Novaliches	- - - -	PIWDC	12/21/89	243.90	20	11.74	75.46	9.02	4	
CLA-2008	Costa Villa Realty & Development Ciudad Grande Executive Village	14- 43- 46 121- 0- 4	Miguel	02/01/88	152.44	15	42.68	109.75	3.16	1	
CLA-2009	Extra Ordinary Development Corp. Villa Magdalena , Camarin Road, C.C.	14- 44- 53 121- 2- 12	Nomar	04/03/84	152.44	20	12.80	29.87	3.91	1	
CLA-2010	Shelter Metropolis Incorporation SM Homes, Camarin Road, Novaliches	14- 44- 35 121- 1- 56	PIWD	12/06/83	152.40	20	48.30	66.69	10.96	1	
CLA-2011	Original Dev. and Const. Corp. Camarin , Caloocan City	14- 45- 21 121- 2- 56		06/06/83	121.95	25	16.77			1	
CLA-2012	NHA - BSRP # 15 NHA Bagong Silang Resettlement Project, Tala, Caloocan City	14- 46- 38 121- 3- 35	Pipeline	03/01/86	198.00	20	7.01	32.93	13.00	1	
CLA-2013	Bensan Incorporation 800 Bagbaguin, Caloocan City	- - - -		/ /88	244.00					8	
CLA-2014	World Processing Corporation # 2 Bagong Barrio, Caloocan City	- - - -		/ /89	305.00					8	
CLA-2015	Extra Ordinary Development Corp. Camarin Road, Caloocan City	14- 44- 59 121- 2- 13	Lopez	11/27/85	91.46	20	15.85	25.91	6.06	1	
CLA-2016	National Housing Authority Bagong Silang Resettlement Project, Tala, Caloocan City	14- 46- 44 121- 3- 10		/ /85	198.00	20	120.00	43.00	8.00	1	
CLA-2017	DNG Realty and Development Corp. Deparo, Caloocan City	14- 44- 31 121- 1- 10	Aquarius	09/20/88	152.44	20	27.44	60.06	6.94	1	
CLA-2018	CAMARIN ROAD Camarin Road, Caloocan City	14- 44- 36 121- 1- 50	Pyramid	/ /84	182.90		19.81			1	
CLA-2019	National Housing Authority Tala Estate, Barangay Bagong Silang	14- 46- 30 121- 3- 6	Hydro	06/10/92	198.17	20	51.94		15.25	1	
CLA-2020	National Housing Authority Well #3 Phase I, TSSP, Bagong Silang, Tala	14- 46- 27 121- 3- 13	DCA	11/25/82	198.17	20	34.10	41.32	13.86	1	
CLA-2021	Hometrust Development Corporation 184 Maria Clara St., Grace Park	- - - -	RGD	12/15/84	200.00	20	48.70	66.90	9.78	1	
CLA-2022	Metro Infrastructure Dev. Corp. Camarin, Caloocan City	14- 45- 7 121- 2- 56	Fieldman's	12/16/85			29.00	42.98	12.01	1	
CLA-2023	Caloocan Tourist Development Corp. Vicente Street, Caloocan City	14- 39- 35 121- - 42		08/22/80	243.90		82.35	91.65	2.50	1	

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CLA-2024	Ameca Total Construction	- -	Acmaco	10/21/82	243.90	20	107.01	142.38	6.94	1	
	La Trinidad Project, Talipapa, C.C.	- -									
CLA-2025	Sagrado Village	14- 44- 16	Metro	07/18/87	121.95	15	12.20	56.40	5.05	1	
	Barrio Deparo, Caloocan City	121- - 53									
CLA-2026	PSSPO #1 (Freedom to Build Inc.)	14- 44- 53	PIWD	06/21/88	213.40	20	37.73	51.90	7.70	1	
	Dela Costa II Subdivision, Novaliches	121- 4- 24									
CLA-2027	ANITO LODGE	14- 39- 32		/ /					2.77	3	
	Samson Rd., A. Bonifacio, C.C.	120- 58- 53									
CLA-2028	B.F. Homes #1	14- 44- 16	Pyramid	/ /69	277.43	25	13.70	91.50	29.00	1	
	Caloocan City	121- 1- 39									
CLA-2029	B. F. Homes #4	14- 44- 7		/ /					1.85	1	
		121- 1- 20									
CLA-2030	Pioneer Texturizing Corporation	14- 45- 45	PIWDC	/ /75	304.87	20	60.97		18.50	8	
	Zaharte Road. Camarin	121- 02- 30									
CLA-2031	Banker's Village A	- -	Lopez	/ /69	182.92	25	12.80		1.00	1	3
	Novaliches, Caloocan City	- -									
CLA-2032	BANKERS VILLAGE	- -	Lopez	/ /69	182.92	20				1	
	Novaliches, Caloocan City	- -									
CLA-2033	ESSO STANDARD INC.	- -	Lopez	/ /65	155.48	10	51.80			3	
	Samson Rd., Caloocan City	- -									
CLA-2034	MRS. MILAGROS FIDER	- -	Lopez	/ /76	121.95	10	21.30			1	
	Bo. Baga-moong, Caloocan City	- -									
CLA-2035	MANUEL GO	- -	Lopez	/ /68	184.45	10	57.00			1	
	Tandang Sora St., Caloocan City	- -									
CLA-2036	GOODYEAR TEXTILE MFG. CO., INC.	- -		/ /77	243.90	15	42.70	137.20	1.90	7	
	G. de Jesus St., Caloocan City	- -									
CLA-2037	MR.LORENZO DE JESUS	- -	Lopez	/ /69	134.14	10	47.86		0.30	1	
	Samson Rd., Caloocan City	- -									
CLA-2038	MAJORITY ENTERPRISES	- -	Lopez	/ /65	121.95	10	24.39		1.00	3	
	Gen. Tirona, Caloocan City	- -									
CLA-2039	MCU HOSPITAL	- -		/ /76	304.87	15	19.80	99.10	6.90	2	
	Caloocan City	- -									
CLA-2040	PHIL. CONFECTIONARY CORP.	- -	Lopez	/ /70	152.43	10	19.80		1.85	8	
	Grace Park, Caloocan City	- -									
CLA-2041	Orma Industrial	- -	Lopez	/ /78	213.40	15	13.70		1.85	8	
	Kaybiga, Caloocan City	- -									
CLA-2042	PHIL. UNION COLLGE #2	- -		/ /77	219.51	30	125.30		14.81	2	
	Baesa, Caloocan City	- -									
CLA-2043	PHIL. UNION COLLEGE #1	- -		/ /	237.80	30	140.20			2	3
	Baesa, Caloocan City	- -									
CLA-2044	MR. CASTILLO PRISCO	- -		/ /67	91.46	8				1	
	Caloocan City	- -									
CLA-2045	SALVADOR RAMOS	- -	Lopez	/ /68	182.92	10	48.80			1	
	Samson Rd., Caloocan City	- -									
CLA-2046	STA. FE FARM	- -	Lopez	/ /65	106.70	10	6.40		18.51	8	
	Paradise Farm, Caloocan City	- -									
CLA-2047	SAMPAGUITA SUBD.	- -	Lopez	/ /65	216.46	20	15.20		8.00	1	
	Camarin, Caloocan City	- -									

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CLA-2048	ATTY. SORIANO	- -	Lopez	/ /69	121.95	10	6.70			1		
	Amparo Subd., Caloocan City	- -										
CLA-2049	TEE CHIN	- -		/ /77	50.97	10	21.30	28.40	8.20	1		
	99 J. Teodoro St., Caloocan Ctiy	- -										
CLA-2050	WINMAR POULTRY FARM. INC.	- -	Lopez	/ /70	152.43	10	18.80		10.00	8		
	Ilano St., Caloocan City	- -										
CLA-2051	MCU. CALOOCAN #1	- -		/ /					4.63	1		
	Caloocan City	- -										
CLA-2053	PNR-COMPOUND	- -		/ /	125.00	10			1.00	3		
	Caloocan City	- -										
CLA-2054	PARAMOUNT VINYL CORP.	- -		/ /					5.00	8		
	Samson Rd., Caloocan City	- -										
CLA-2055	ALOHA RM	- -		/ /					4.63	1		
	Caloocan City	- -										
CLA-2056	CATHAY ELECTRIC CORP.	- -		/ /					5.00	8		
	Samson Rd., Caloocan City	- -										
CLA-2057	Phil. Union College #3	- -		/ /						2	3	
	Baesa, Caloocan City	- -										
CLA-2058	B.F. HOMES #2	- -	PIWD	/ /71	246.95	25	24.69	75.21	4.00	1		
	Caloocan City	- -										
CLA-2059	B.F. HOMES #3	- -	PIWD	/ /74	243.90	25	57.01	66.20	8.00	1		
	Minang Luz, Caloocan City	- -										
CLA-2060	B.F. HOMES #5	- -		/ /						1		
	B.F. Homes, Caloocan City	- -										2
CLA-2063	B.F. HOMES (PHASE III)	- -	PIWD	/ /78						1		
	B.F. Homes, Caloocan City	- -										
CLA-2065	Mrs. Elfa Arnaldo	- -		/ /81	60.97	5			0.30	1		
	Caloocan City	- -										
CLA-2066	Ameresco	- -		/ /	36.58	8			18.50	3		
	Caloocan City	- -										
CLA-2067	Ampero Subdivision I	- -		/ /62	182.88	20			0.80	1		
	Caloocan City	- -										
CLA-2068	Trans-Pacific	14- 43- 22		/ /					8.90	1		
	Camarin, Caloocan City	121- 2- 46										
CLA-2069	Home Trust Development Well #2	14- 44- 1		/ /	200.00				4.30	1		
	Maria Clara Street, Grace Park	121- 0- 36										
CLA-2070	Multi-Realty Development	14- 44- 34		/ /					5.40	1		
	CorporationSM Homes Camarin Road	121- 1- 56										
CLA-2071	Stateland Investment Corporation #2	14- 45- 20		/ /					8.40	1		
	Hillcrest Village, Camarin	121- 2- 8										
CLA-2072	Aqua Prime Philippines	14- 45- 29		/ /					0.50	1	1	
	InternationalSusano Road. Camarin	121- 2- 29										
CLA-2073	STATELAND	14- 45- 35		11/21/83			25.90	56.40	0.50	1		
	Hillcrest Village, Camarin, Caloocan	121- 2- 10										
CLA-2074	CONSOLIDATED DIS. OF THE FAR EAST #1	- -	PIWDC	12/21/83	183.00	15	15.24	66.16	8.33	4		
	Gen. Luis St., Bo. Kaybiga	- -										
CLA-2075		14- 44- 36	Pyramid	01/10/84	182.90	20	19.80			1		
	Camarin Road, Caloocan City, M.M.	121- 1- 50										

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CLA-2076	CONSOLIDATED DIS. OF THE FAR EAST #2	- -	PIWDC	07/01/87	305.00	20	14.33	94.50	1.88	4	
	Distillery Plant-Bo. Kaybiga	- -									
CLA-2078	Global Manufacturing	- -	Hydro	/ /90	244.00	20				1	
	Camarin, Caloocan City	- -									
CLA-2080	STANDARD ALUMINUM	- -	PIWDC	12/05/82	305.00	25	9.76	63.72	12.24	8	
	Bo. Kaybiga, Novaliches, Caloocan City	- -									
CLA-2081	NHA Tala Plant #1	- -	Shamrock	/ /78	182.92	20	18.29	26.82	5.10	1	
	Caloocan City	- -									
CLA-2082	National Housing Authority	- -		/ /72	182.88		54.86		3.78	1	
	Tala, Caloocan city	- -									
CLA-2083		- -		/ /83	140.24		48.30			1	
	Novaliches, Caloocan City	- -									
CLA-2084		- -		/ /	213.00		37.73	51.87	7.69	1	
	Novaliches, Caloocan City	- -									
CLA-2087	Phase VII, TESSP	- -		/ /	207.32					1	
	Tala, Caloocan city	- -									
CLA-2088	PHHC I	- -		/ /54	255.00		45.72		3.15	1	
	Caloocan City	- -									
CLA-2089	PHHC II	- -		/ /64	170.68		43.58		3.15	1	
	Caloocan City	- -									
CLA-2090	San Miguel Comp.	- -		/ /54	36.59		14.63	19.88	0.63	4	
	Caloocan City	- -									
CLA-2091		- -		/ /56	94.51		27.44	30.15	0.75	1	
	Sta. Quiteria, Caloocan City	- -									
CLA-2093	Villa Maria	- -		/ /82	54.86					1	
	Caloocan City	- -									
CLA-2094	Zaberte	- -		/ /67	243.84		50.30	66.98	5.67	1	
	Caloocan City	- -									
CLA-2095	Zaberte	- -		/ /68	243.84		48.77	67.00	5.67	1	
	Caloocan City	- -									
CLA-2096	Almar Village	- -		/ /	243.84		34.38	60.84	13.35	1	
	Caloocan City	- -									
CLA-2097	Amparo Subdivision II	- -		/ /69	123.70					1	
	Caloocan City	- -									
CLA-2098	Amparo Subdivision	- -		/ /56	53.96		22.87	26.52	0.80	1	
	Caloocan City	- -									
CLA-2099	Amparo Village	- -		/ /68	182.92				0.80	1	
	Caloocan City	- -									
CLA-2100	Araya Land	- -		/ /72	122.00				13.86	1	
	Caloocan City	- -									
CLA-2101	Arcadia Manufacturing	- -		/ /68	244.00		15.24	47.00	20.80	8	
	Caloocan City	- -									
CLA-2102	Averesco	- -		/ /77	60.96				2.52	8	
	Caloocan City	- -									
CLA-2103		- -		/ /81	137.20		28.96	30.79	0.95	1	
	Baesa, Caloocan City	- -									
CLA-2104		- -		/ /56	67.07		19.21	31.09	0.95	1	
	Baesa, Caloocan City	- -									
CLA-2105		- -		/ /88	244.00					1	
	Bagbaguin, Caloocan City	- -									

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CLA-2106	Ciudad Grande Executive Village	14- 43- 45		/ /87	152.44		42.68	115.85	0.22	1	
	Bagbaguin, Caloocan City	121- 0- 4									
CLA-2108		- -		/ /81	274.30		119.80		4.50	1	
	Bagong Barrio, Caloocan City	- -									
CLA-2115	Caloocan Tourist Development Corp.	- -		/ /	74.06					3	
	Caloocan City	- -									
CLA-2116	Caloocan Transit Development Corp.	14- 39- 35		/ /80	243.00		82.35			1	
	Vicente Street, Caloocan City	121- 0- 42									
CLA-2118		- -		/ /60	53.35		21.34	22.25	0.63	1	
	Camarin, Caloocan City	- -									
CLA-2119		- -		/ /64	60.98		27.44	28.65	0.63	1	
	Camarin, Caloocan City	- -									
CLA-2120		- -		/ /65	97.56		18.29	22.85	1.14	1	
	Camarin, Caloocan City	- -									
CLA-2121		- -		/ /63	74.69		13.72	21.32	0.08	1	
	Camarin, Caloocan City	- -									
CLA-2125	PHHC, Zabaten Subdivision	- -		/ /69	234.75		20.73	34.25	13.25	1	
	Camarin, Caloocan City	- -									
CLA-2126	Cocos	- -		/ /59	91.44					1	
	Caloocan City	- -									
CLA-2127	Congressional Homesite I	- -		/ /64	228.60		30.48		6.30	1	
	Caloocan City	- -									
CLA-2128	Congressional Homesite II	- -		/ /79	243.84		30.48		6.30	1	
	Caloocan City	- -									
CLA-2129	CONGRESSIONAL HOUSING PROJ.	- -		/ /						1	
	Caloocan City	- -									
CLA-2130		- -		/ /56	120.12		21.35	22.87	1.26	1	
	Deparo, Caloocan City	- -									
CLA-2132		- -		/ /						1	
	Camarin, Caloocan City	- -									
CLA-2133	ESSO Standard	- -		/ /80	140.20		9.14		10.40	1	
	Grada Ville, Caloocan City	- -									
CLA-2134	Grand Farm I	- -		/ /74	152.40		18.28		0.82	8	
	Caloocan City	- -									
CLA-2135	Grand Farm II	- -		/ /79	152.40		18.28		2.84	8	
	Caloocan City	- -									
CLA-2136	Grand Farm III	- -		/ /79	152.40		18.28		2.84	8	
	Caloocan City	- -									
CLA-2137	Grand Farm IV	- -		/ /79	152.40		18.28		2.84	8	
	Caloocan City	- -									
CLA-2138	Guadalupe Estate Incorporated	- -		/ /81	140.21		9.14		2.14	1	
	Caloocan City	- -									
CLA-2139		- -		/ /60	53.35		19.82	20.73	0.63	1	
	Kaybiga, Caloocan City	- -									
CLA-2140		- -		/ /40			26.22	32.05	3.79	1	
	Caloocan City	- -									
CLA-2141		- -		/ /56			21.34	25.41	0.57	1	
	Caloocan City	- -									
CLA-2142	Maligaya Village	- -		/ /81			22.55		1.00	1	
	Caloocan City	- -									

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CLA-2144	Meralco Sub Office	- -		/ /56	91.44					3	
	Caloocan City	- -									
CLA-2148	NHA Begong Silang	14- 46- 27		/ /82	198.17		34.10	41.32	13.86	1	
	Tala Phase II, Caloocan City	121- 3- 13									
CLA-2149	National Housing Authority	14- 45- 51		/ /90	243.90		25.74			1	
	Caloocan City	121- 2- 11									
CLB-2027	Anito Lodge	- -		/ /					2.77	3	
	North EDSA, Caloocan City	- -									
CLB-2039	MCU Hospital	- -		/ /75	304.87	17	19.90	99.10	6.90	2	
	Caloocan City	- -									
CLB-2051	MCU #1	- -		/ /					4.63	2	
	Caloocan City	- -									
CLB-2052	MCU #2	- -		/ /					4.63	2	
	Caloocan City	- -									
CLB-2053	PNR Compound	- -		/ /	125.00	10			1.00	3	3
	Caloocan City	- -									
CLB-2061	NHA #7	- -	Shamrock	/ /81	274.39	30	86.90	117.90	13.25	1	
	Dagat-Dagatan, Caloocan City	- -									
CLB-2062		- -	NMSA	/ /59	260.06	15			0.30	1	
	Balintawak, Caloocan City	- -									
CLB-2064	NHA #6	- -		/ /						1	3
	Dagat-Dagatan, Caloocan City	- -									
CLB-2077	Pentasis Engineering	- -	Hydro	/ /88						1	
	Dagat-Dagatan, Caloocan City	- -									
CLB-2085	Paç-ibig sa Neyon	- -		/ /58			15.32	25.91	0.38	1	
	Balintawak, Caloocan City	- -									
CLB-2086	Paç-ibig sa Neyon	- -		/ /58	50.90		15.20	24.51	0.32	1	
	Balintawak, Caloocan City	- -									
CLB-2110		- -		/ /60	260.67		27.44	53.26	11.36	1	
	Balintawak, Caloocan City	- -									
CLB-2111.		- -		/ /58			21.34	24.39	0.30	1	
	Balintawak, Caloocan City	- -									
CLB-2112	Balingasa	- -		/ /57	210.37		10.70	17.10	0.32	1	
	Balintawak, Caloocan City	- -									
CLB-2113	Bonifacio	- -		/ /61	208.54		16.77	18.29	0.76	1	
	Balintawak, Caloocan City	- -									
CLB-2114	Galino	- -		/ /54	199.70		20.12	21.34	1.26	1	
	Balintawak, Caloocan City	- -									

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CTA-1001	MWSS Sto. Domingo, Cainta, Rizal	14- 35- 18 121- 6- 56	NIA	/ /78	200.00	33	43.90	51.00	8.30	1	1
CTA-1002	SAN JUAN San Juan, Cainta	14- 34- 20 121- 7- 43	KATWELL	/ /80	213.00	25	33.50	44.00	13.00	1	1
CTA-1003	MWSS Sumulong Highway, Cainta, Rizal	14- 38- 9 121- 6- 19	KATWELL	/ /79	166.70	25	66.60	85.06	15.78	1	2
CTA-1004	POBLACION Buenviaje St., Poblacion, Cainta	14- 34- 46 121- 6- 57	NIA	/ /77	60.40	20	25.30	53.30	12.60	1	2
CTA-1005	MARICK SUBDIVISION Gloria St., Marick Subdivision	14- 38- 7 121- 6- 52		/ /81	177.00	25	52.00	86.00	25.40	1	1
CTA-1006	IRMA ST. Irma St., Cainta, Rizal	14- 34- 58 121- 6- 26	PIWDC	/ /81	177.00	25	42.00	82.00	26.50	1	3
CTA-1007	FABIAN ST. Fabian St., San Juan, Cainta, Rizal	14- 34- 21 121- 7- 16	PIWDC	/ /83	155.44	25	37.20	49.39	19.05	1	1
CTA-1008	FELIX MEMORIAL HIGH SCHOOL Felix Memorial High School, Cainta	14- 34- 39 121- 6- 52		/ /	158.48	25				1	3
CTA-1009	MAPANDAN Mapandan St., San Juan, Cainta	14- 34- 48 121- 7- 4	Sankyo Kogyo	/ /83	182.87	25	36.32	52.95	31.60	1	1
CTA-2001	Rizal Integrated Steel Mills Inc. Imelda Avenue , Cainta	14- 35- 50 121- 6- 32	Aqua-Line	/ /90	121.95	20				8	1
CTA-2002	Pacific Products Inc. Finch Drive, Cainta	14- 35- 4 121- 7- 42	DCA	11/09/81	121.34	15			10.41	5	1
CTA-2003	General Milling Corporation Cainta, Rizal	- - - -		05/15/90	122.00		67.50	79.45	11.57	8	1
CTA-2004	Smith Kline and French Overseas Victoria Valley Boulevard, Cainta	14- 35- 28 121- 8- 13	Hydro Drillers	04/15/78	129.88		24.39	41.15	3.79	8	1
CTA-2005	Ameca Total Const. System Inc. Valley Golf, Cainta, Rizal	14- 35- 14 121- 7- 42	DCA	10/04/82	121.95		42.91	59.59	11.98	8	1
CTA-2006	VILLAGE EAST Village East , Cainta, Rizal	- - - -		/ /						1	
CTA-2007	M. Y. San Biscuits Incorporated 490 Sto. Domingo, Cainta, Rizal	- - - -	Hi-Water	02/16/73			39.63	54.88	2.21	4	
CTA-2008	CVS Realty Development Corporation Barrio Talaba, Cainta, Rizal	14- 36- 12 121- 6- 28	Orbit Wells	07/08/84	110.98		59.76	61.58	11.36	1	
CTA-2009	AFP - MBAI Well #2 Bo. Halang, Mambugan, Cainta	14- 36- 58 121- 7- 22	Margo Const.	06/24/83	113.11		17.38	25.91	11.80	1	
CTA-2010	AFP-MBAI Well #1 Bo. Halang, Mambugan, Cainta, Rizal	14- 36- 47 121- 7- 19	Margo Const.	/ /83	114.33		24.39	28.35	3.47	1	
CTA-2011	UNIVERSAL TRICOT MILLS Cainta, Rizal	- - - -		/ /78	121.95	20	12.20	66.60	20.00	7	
CTA-2012	United Resources Corporation Cainta, Rizal	- - - -	Shamrock	/ /68	79.20	10	6.10	31.10	1.89	8	
CTA-2013	Jadeland Development Corporation Barrio Halang, Cainta, Rizal	14- 37- 0 121- 6- 6	R.C. De Honor	06/12/84	201.22		57.01	91.46	10.09	1	
CTA-2014	Easter First Realty and Dev. Corp. Valley Golf Road, San Isidro	14- 35- 38 121- 9- 14	Hydro Drillers	03/04/78	100.61		27.00	31.10	0.78	1	
CTA-2015	Rockbuilt Manufacturing Co. Inc. Km. 18 Ortigas Avenue	14- 35- 15 121- 6- 53		/ /90					6.48	8	
CTA-2016	BETHLEHEM MANUFACTURING Cainta, Rizal	- - - -	PIWDC	11/01/68	152.00	30	40.24	53.48	9.47	8	

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CTA-2017	Plymouth Realty	14- 34- 53		/ /83					4.00	1	
	Sto. Domingo	121- 7- 11									
CTA-2018	Antipolo Prop.	14- 36- 18		/ /83					6.10	1	
	Imelda Avenue	121- 5- 44									
CTA-2019	M. Sons Realty	14- 35- 37		/ /86					1.76	1	
	Sto. Domingo	121- 7- 3									
CTA-2020	Realty Developers	14- 34- 6		/ /87					6.07	1	
	San Andres	121- 5- 20									
CTA-2021	M.Y. San Biscuits Inc. #2	- -		/ /	152.43	15			4.00	4	
		- -									
CTA-2022	M.Y. San Biscuits Inc. #3	- -		/ /					4.00	4	
		- -									
CTA-2023	South Pacific Chemicals #1	- -	PIWDC	/ /82	121.95	15			3.50	5	
		- -									
CTA-2024	South Pacific Chemicals #2	- -	PIWDC	/ /82	121.95	15			6.00	5	
		- -									
CTA-2025	Pincoco Incorporated #1	- -	PIWDC	/ /82	167.68	25			31.56	8	
		- -									
CTA-2026	Pincoco Incorporated #2	- -	PIWDC	/ /82	182.92	30			15.78	8	
		- -									
CTA-2027	Pincoco Incorporated #3	- -	PIWDC	/ /82	167.68	30			22.09	8	
		- -									
CTA-2028	RIVERSIDE MILLING CORP. #1	- -	REXWELL CORP.	/ /57	204.20	20	10.70	35.60	50.50	7	
	Rosario, Cainta	- -									
CTA-2029	RIVERSIDE MILLING CORP. #2	- -	REXWELL CORP.	/ /60	182.40	40	8.50	45.70	50.50	7	
	Rosario, Cainta	- -									
CTA-2030	RIVERSIDE MILLING CORP. #3	- -	KATWELL	/ /70	182.90	50	7.80	32.60		1	
	Rosario, Cainta	- -									
CTA-2031	RIVERSIDE MILLING CORP. #4	- -	KATWELL	/ /72	182.90	50	16.80	28.90	20.80	7	
	Rosario, Cainta	- -									
CTA-2032	UNIVERSAL TRICOT MILLS #2	- -	PIWDC	09/03/75	182.90	30	36.60	0.00	25.20	7	
	Calumpang Road, Cinta. Rizal	- -									
CTA-2033	STENIEL MANUFACTURING INC. #1	- -		/ /67	121.90	20				8	
	Mapandan, Cainta, Rizal	- -									
CTA-2034	STENIEL MANUFACTURING INC. #2	- -		/ /71	121.90	20	27.70	46.90	9.40	8	
	Mapandan, Cainta, Rizal	- -									
CTA-2035	MAYON G.I. SHEETS	- -		/ /68	67.10	20	18.30	21.30	1.26	8	
	Calumpang Road, Cainta, Rizal	- -									
CTA-2036	CAINA PUMPS & WELLS	- -	Caina	/ /78	121.90	25	48.80	57.90	1.60	1	
	Calumpang Road, Cainta, Rizal	- -									
CTA-2037	D.M. CONSUNJI	- -		/ /74	182.90	15	45.70	64.00	2.50	1	3
	Calumpang Road, Cainta, Rizal	- -									
CTA-2038	HOOVEN COMALCO INDUSTRIES #1	- -	PIWDC	/ /71	48.80	20	15.20	17.40	10.00	8	
	Calumpang Road, Cainta, M.M.	- -									
CTA-2039	HOOVEN COMALCO INDUSTRIES #2	- -	PIWDC	/ /71	76.20	20	15.20	17.40	18.90	8	
	Calumpang Road, Cinta, Rizal	- -									
CTA-2040	HOOVEN COMALCO INDUSTRIES #3	- -	PIWDC	/ /72	152.30	20	15.20	17.40	18.90	8	
	Calumpang Road, Cainta, Rizal	- -									

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CTA-2041	Sergs Products Ind. #1	- -		/ /69	152.39	20	33.53		5.00	4	
	Ortigas Avenue Extension	- -									
CTA-2042	Sergs Products Ind. #2	- -		/ /70	91.44	20			5.00	4	
		- -									
CTA-2043	CHRYSLER (PHILS) CORP. #1	- -	PYRAMID	/ /69	93.30	20	30.50	39.60	6.30	1	
	Cainta	- -									
CTA-2044	Mr. Morris Soliman	- -		/ /	93.26				0.30	3	
		- -									
CTA-2045	ESSO	- -		/ /	79.30	10			0.32	3	
		- -									
CTA-2046	MR. AGUSTIN CHUA	- -	LOPEZ	/ /	91.40	10	14.30			1	3
	Brookside, Cinta	- -									
CTA-2047	Filipinas Textile #1	- -		/ /	91.44	10			7.00	7	
		- -									
CTA-2048	Filipinas Textile #2	- -		/ /	182.87	15			7.00	7	
		- -									
CTA-2049	FILIPINAS TEXTILE MILLS #3	- -	LOPEZ	/ /73	199.60	30	12.20			7	
	Bo. Pizon, Cainta	- -									
CTA-2050	AMERICAN PHIL. FIBER INC.	- -	LOPEZ	/ /73	152.30	35	14.90		6.50	7	
	Pasong Matanda, Cainta, Rizal	- -									
CTA-2051	Pablo Sugay	- -		/ /	79.24	10			0.30	3	
		- -									
CTA-2052	Faith Academy #1	- -		/ /	67.05	20			0.30	2	
		- -									
CTA-2053	Faith Academy #2	- -		/ /		20			4.00	2	
		- -									
CTA-2054	Glaxo Allenburg	- -		/ /	97.53	10			0.90	3	
		- -									
CTA-2055	St. Louis Realty	- -		/ /	36.57				0.93	3	
		- -									
CTA-2056	Modern Paper Products Incorporated	- -		/ /					10.00	7	
	Ortigas Avenue	- -									
CTA-2057	Associated Paints #1	- -		/ /					10.00	5	
		- -									
CTA-2058	Super Steel	- -		/ /	213.35	20			15.74	8	
		- -									
CTA-2059	Felix Subdivision	- -		/ /	54.90	15			0.30	1	
	BPW Pasig Capitol	- -									
CTA-2060	Chemical Systems Corporation	- -		/ /72	115.80	15	39.60		1.57	5	
		- -									
CTA-2061	Filshutters	- -		/ /	131.10	15	60.90		7.00	8	
	Ortigas Avenue	- -									
CTA-2062	Chrysler #2	- -		/ /	91.40	10	30.50		2.72	8	
		- -									
CTA-2063	Chrysler #3	- -	CERTEZA	/ /	121.90	15				8	3
		- -									
CTA-2064	Associated Paints #2	- -	LOPEZ	/ /	152.43	15			5.50	5	
		- -									
CTA-2065	D. Vicencio & Sons	- -		/ /	121.90	15				8	
		- -									

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CTA-2066	Roosevelt College	- -	JAVIER	/ /77	140.24	10	9.14		6.62	2	
		- -									
CTA-2067	Cathay Pacific Steel	- -		/ /	76.21				3.50	8	
		- -									
CTA-2068	Knit Joy	- -		/ /					8.33	7	
		- -									
CTA-2069	Century Textile Mills	- -		/ /	198.17				6.50	7	
		- -									
CTA-2070	Canlubang Auto #3	- -		/ /65	91.46	10	33.53		10.00	8	
		- -									
CTA-2071	Canlubang Auto #3	- -		/ /	91.46				10.00	8	
		- -									
CTA-2072	Komatsu	- -		/ /					6.48	8	
		- -									
CTA-2073	Texfiber	- -		/ /					12.04	7	
		- -									
CTA-2074	Tahanan Walang Hagdanan	- -		/ /78	91.46	10	27.43	60.97	3.47	2	
		- -									
CTA-2075	U Pat	14- 36- 10		/ /					1.26	8	1
	Imelda Avenue	121- 6- 48									
CTA-2076	General Milling Corporation	14- 35- 45		/ /						4	1
	Imelda Avenue	121- 6- 47									
CTA-2077	Fibertex Corporation	14- 35- 15		/ /					15.77	7	1
	Don Mariano Subdivision	121- 7- 37									
CTA-2078	Rosario Textile Mills	14- 35- 19		/ /						7	1
	Ortigas Avenue Extension	121- 6- 16									
CTA-2079	Young Town Subdivision	14- 35- 9		/ /						1	1
	Fourth Street Young Town Subd.	121- 7- 5									
CTA-2080	St. Francis Subdivision	14- 34- 51		/ /						1	1
	Pelota cor. Swimming	121- 7- 25									
CTA-2081	South Fort International	14- 35- 4		/ /					1.26	8	1
	No.4 Youngtown Village, Ortigas Ave.	121- 7- 20									
CTA-2082	General Paint Incorporated	14- 35- 4		/ /					2.08	5	1
	Km. 18 Ortigas Avenue	121- 7- 24									
CTA-2083		14- 34- 0		/ /60	153.96		7.32	40.08	15.40	1	
	Poblacion	121- 7- 0									
CTA-2084	EASTERN FIRST REALTY & DEV. CORP.	14- 35- 38	Hydro Drillers	03/04/78						1	
	Valley Golf Road, San Isidro	121- 9- 14									
CVC-1001	SAMONTE PARK, PUMP #1	14- 29- 2	BPW	/ /	289.00	20	42.00	73.00	6.93	1	1
	Samonte Park, Cavite City	120- 54- 27									
CVC-1002	GARITA, PUMP #2	14- 29- 3	BPW	/ /76	282.00	20	38.70	67.00	6.93	1	1
	Garita St., Cavite City	120- 54- 17									
CVC-1003	SAN ROQUE, PUMP #3	14- 29- 0	BPW	/ /76	175.80	15	40.80	55.00	8.91	1	1
	Salamanca St., San Roque, Cavite City	120- 53- 57									
CVC-1004	MANALAC, PUMP #4	14- 29- 7	BPW	/ /79	229.00	25	40.64	88.60	7.20	1	1
	Manalac St., San Roque, Cavite City	120- 53- 59									
CVC-1005	CALLE MARINO, PUMP #5	14- 29- 25	BPW	/ /75	257.00	20	41.00	78.00	8.20	1	1
	Calle Marino St., San Antonio	120- 54- 7									

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CVC-1006	SAN NICOLAS, PUMP #6	14- 29- 28	BPW	/ /75	250.00	20	21.30	47.20	17.90	1	1
	San Nicolas St., San Antonio, Cavite	120- 53- 58									
CVC-1007	R. PALMA, PUMP #7	14- 29- 31	BPW	/ /77	112.50	15	12.20	42.60	4.10	1	3
	R. Palma St., Cavite City	120- 53- 50									
CVC-1008	BAGONG POOK, PUMP #8	14- 29- 25	BPW	/ /77	271.95	25	37.00	64.00	6.30	1	1
	Bagong Pook, Cavite City	120- 53- 38									
CVC-1009	GARCIA EXTENSION, PUMP #9	14- 29- 17	BPW	/ /68	309.60	20	38.00	70.00	10.70	1	1
	Garcia Extension, Cavite City	120- 53- 46									
CVC-1010	DEL TRABAJO, MANALAC, PUMP #10	14- 29- 10	BPW	/ /63	224.00	20	43.30	82.30	7.87	1	3
	Hermanos del Trabajo, Cavite City	120- 53- 52									
CVC-1011	CRISINI, PUMP #11	14- 29- 6	Pacheco (Rehab.)	/ /72	299.50	20	38.10	86.30	12.90	1	1
	Crisini St., Cavite High School,	120- 53- 39									
CVC-1012	PUBLIC MARKET, PUMP #12	14- 28- 57	BPW	/ /77	268.60	20	40.80	78.30	9.76	1	3
	Public Market, Cavite City	120- 53- 49									
CVC-1013	PATERNO, PUMP #13	14- 28- 57	BPW	/ /63	270.90	25	21.90	30.40	11.90	1	3
	Paterno St., Cavite City	120- 53- 41									
CVC-1014	MAGCAWAS, PUMP #14	14- 28- 42	BPW	/ /59	299.50	20	18.80	29.50	18.90	1	1
	Magcawas St., Cavite City	120- 53- 25									
CVC-1015	EJERCITO, PUMP #15	14- 28- 26		/ /77	277.90	25	32.90	96.30	4.70	1	1
	Ejercito St., Cavite City	120- 53- 13									
CVC-1016	MILITAR, PUMP #16	14- 28- 4		/ /	181.60	25	29.30	39.60	8.82	1	1
	Militar St., Cavite City	120- 52- 57									
CVC-1017	J. FELIPE BLVD., PUMP #17	14- 28- 50	BPW	/ /72	252.90	20	14.30	31.30	11.40	1	1
	J. Felipe Blvd., Cavite City	120- 53- 22									
CVC-1018	DALAHICAN, PUMP #18	14- 28- 59		/ /	192.00	25	24.40	67.05	17.90	1	3
	Dalahican St. Cavite City	120- 53- 21									
CVC-1019	M. CASTRO, CARIDAD PUMP #19	14- 28- 43	BPW	04/04/75	257.50	25	33.50	41.10	8.82	1	3
	M. Castro St., Caridad, Cavite City	120- 53- 40									
CVC-1020	M. GREGORIO ST. COR. D. MANIPIS ST.	- -	BPW	/ /57	156.60		22.86	41.45	11.65	1	3
	M. Gregorio St. cor. D. Manipis St.	- -									
CVC-2001	Builders Development Corp.	- -	DCA	/ /83	548.78	25					
	Fort San Felipe, Cavite City	- -									
CVC-2002	SANGLEY POINT NB #1A	- -	IDI	/ /		20	29.25			2	3
	Sangley Point, Cavite City	- -									
CVC-2003	SANGLEY POINT NB #2A	- -	IDI	/ /		20	39.40			2	3
	Sangley Point, Cavite City	- -									
CVC-2004	SANGLEY POINT NB #3A	- -	IDI	/ /		20				2	3
	Sangley Point, Cavite City	- -									
CVC-2005	SANGLEY POINT NB #4A	- -	IDI	/ /						2	3
	Sangley Point, Cavite City	- -									
CVC-2006	SANGLEY POINT NB #1	- -	IDI	/ /	243.80	30	32.00		13.86	2	
	Sangley Point, Cavite City	- -									
CVC-2007	SANGLEY POINT NAVAL BASE #2	- -	IDI	/ /	304.80	25	32.52	39.60	18.96	2	
	Sangley Point, Cavite City	- -									
CVC-2008	SANGLEY POINT NB #3	- -	IDI	/ /	243.90	20	32.30		12.90	2	
	Sangley Point, Cavite City	- -									
CVC-2009	SANGLEY POINT NB #4	- -	IDI	/ /	236.20	20	32.30		12.30	2	
	Sangley Point, Cavite City	- -									

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CVC-2010	SANGLEY POINT NB #5	- -	IDI	/ /	127.70	20	32.50		10.71	2	
	Sangley Point, Cavite City	- -									
CVC-2011	SANGLEY POINT NAVAL BASE #6	- -	IDI	/ /60	242.51	20	32.01		14.50	2	
	Sangley Point, Cavite City	- -									
CVC-2012	SANGLEY POINT NB #7	- -	IDI	/ /	243.90	20	45.70		14.70	2	
	Sangley Point, Cavite City	- -									
CVC-2013	FORT SAN FELIPE PN #1	- -	IDI	/ /59	243.80	20	32.00		13.86	2	
	Fort San Felipe, Cavite City	- -									
CVC-2014	FORT SAN FELIPE PN #2	- -	IDI	/ /57	167.69	20	28.96	48.80	8.80	2	
	Fort San Felipe, Cavite City	- -									
CVC-2015	FORT SAN FELIPE PN #3	- -	IDI	/ /	240.00		32.30		12.90	2	
	Fort San Felipe, Cavite City	- -									
CVC-2016	FORT SAN FELIPE PN #4	- -	IDI	/ /53	326.20	20	24.39	32.00	7.60	2	3
	Fort San Felipe, Cavite City	- -									
CVC-2017	FORT SAN FELIPE PN #5	- -		/ /			45.60			2	
	Fort San Felipe, Cavite City	- -									
CVC-2018	FORT SAN FELIPE PN #1A	- -		/ /			45.83			2	3
	Fort San Felipe, Cavite City	- -									
CVC-2019	FORT SAN FELIPE PN #2A	- -		/ /						2	3
	Fort San Felipe, Cavite City	- -									
CVC-2020	National Housing Authority	- -	HYDRO	/ /90	213.00	20				1	
	GMA Cavite City	- -									
IMS-1001	MWSS	14- 25- 38		/ /77	99.90	20	5.79	29.80	13.90	1	3
	Nuevo St.	120- 56- 17									
IMS-1002	MWSS	14- 26- 2	Condrill	/ /77	79.20	25	6.40	64.00	4.40	1	3
	Satorre St.	120- 56- 12									
IMS-1003	MWSS Topacio	14- 25- 48	Condrill	03/01/79	243.80	25	15.20	33.20	18.00	1	3
	Topacio Elementary School, Imus	120- 56- 4									
IMS-1004	MWSS P. Garcia Plaza	14- 25- 52	Condrill	/ /82	305.00	25	26.50	61.50	33.00	1	1
	P. Garcia Plaza, Imus, Cavite	120- 56- 2									
IMS-2001	Summerwind Village Phase 2	- -		/ /89	183.00	20				1	
	Imus Cavite	- -									
IMS-2002	Bahayang Pag-asa Inc. Phase 8	14- 23- 48	Plus Builders	10/01/88	152.44	20	10.64	15.76	11.66	1	
	Tansang Luma, Imus, Cavite	121- 1- 31									
IMS-2003	Bahayang Pag-asa Inc. Phase 3	- -	Plus Builders	12/01/86	140.00	15	10.99	14.47	7.80	1	
	Tansang Luma, Imus , Cavite	- -									
IMS-2004	PALICO SUBDIVISION	- -		/ /	60.00					1	3
	Highway 17, Imus, Cavite	- -									
IMS-2005	GOV. CAMERINO ELEM. SCHOOL	- -		/ /60	152.40	10	1.09	6.70	5.35	1	
	Gov. Camerino Elem. School, Medicion, Imus, Cavite	- -									
IMS-2006	Household Dev. Corp.	- -	HYDRO	/ /88						1	
	Camella Homes, Inc.	- -									
IMS-2007	Southern City Homeowners Association	14- 25- 15		/ /					13.00	2	1
	Block 6, Southern City Subd., Imus	120- 57- 29									
IMS-2008	Southern City Homeowners Association	14- 25- 15		/ /					13.00	1	1
	Southern City Subd., Imus	120- 57- 25									
IMS-2009	Chan C. Brothers	14- 23- 49		/ /					13.25	8	1
	Km. 23 Anabu	120- 56- 11									

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IMS-2010	Palas Atena Subdivision	14- 23- 3		/ /		20	7.58			1	2
	Imus, Cavite	120- 56- 7									
IMS-2011	Villa Nicasia	14- 25- 15		/ /		20	5.53			1	1
	Imus, Cavite	120- 56- 29									
IMS-2012	Chin Su Phils. Inc.	14- 26- 8		/ /		15	6.33			6	1
	Imus, Cavite	120- 56- 46									
IMS-2013	San Miguel Subdivision	14- 22- 19		/ /		15	27.97			1	3
	Imus, Cavite	120- 58- 33									
IMS-2014	Chan C. Brothers	14- 23- 51		/ /		10	6.50			3	3
	Imus, Cavite	120- 56- 12									
IMS-2015	DPWH	14- 25- 46		/ /		15	4.53			2	3
	Imus Municipal Hall	120- 56- 3									
IMS-2016	NIA	14- 21- 58		/ /	200.00	30	9.13			1	3
	Anabu-2	120- 56- 17									
IMS-2017	NIA	14- 25- 50		/ /		20	6.39			1	3
	Kalsadang Bago	120- 55- 10									
KWT-1001	MWSS Binakayan	14- 27- 8	BPW	/ /49	299.60	10	26.80	61.60	18.27	1	2
	Binakayan, Kawit	120- 55- 39									
KWT-1002	MWSS Barrio Wawa	14- 27- 27	NWSA	/ /77	167.60	15	29.60			1	2
	Barrio Wawa, Kawit	120- 55- 17									
KWT-1003	MWSS Putol-Isabel	14- 26- 18	PIWDC	/ /84	109.60	15	16.55			1	1
	Putol-Isabel Elementary School	120- 53- 16									
KWT-1004	MWSS Aguinaldo	14- 26- 37	PIWDC	/ /84	285.00	15	17.07	35.90	31.20	1	1
	Aguinaldo Elementary School, Kawit	120- 54- 9									
KWT-1005	MWSS Josephine Resort	14- 26- 20	Acoje	/ /84	289.00		16.84			1	1
	Josephine Tropical Resort, Kawit	120- 53- 52									
KWT-1006	MWSS Tirona	14- 26- 31	Metro Drillers	/ /						1	3
	Tirona National High School, Kawit	120- 54- 37									
KWT-1007	MWSS Malamok	14- 26- 52		/ /			53.12			1	1
	Malamok, Kawit	120- 54- 37									
KWT-2001		- -		/ /54		10				1	
	Barrio Kaingin	- -									
KWT-2002		- -		/ /60		10				1	
	Barrio Martilyo	- -									
KWT-2003		- -		/ /		10			3.70	1	
	Barrio Tuklong	- -									
KWT-2004		- -		/ /56						1	
	Pulvorista, Wawa	- -									
LPS-1001	MWSS Naga Road #1	14- 28- 19	WRSDC	/ /79	243.80	25	19.00	53.35	25.00	1	3
	Naga Road, Pulang Lupa, Las Pinas	120- 58- 36									
LPS-1002	MWSS Poblacion	14- 28- 58		/ /78		20			22.70	1	2
	Poblacion, Las Pinas	120- 58- 51									
LPS-1003	MWSS Pulang Lupa	14- 29- 35	PIWDC (Rehab.)	/ /77	152.40	15	33.52			1	3
	Pulang Lupa, Las Pinas, M.M.	120- 58- 22									
LPS-1004	MWSS Zapote	14- 27- 56	BPW	/ /75	243.80	20	27.40			1	1
	Zapote, Las Pinas	120- 56- 1									
LPS-1005	MWSS Ilaya	14- 29- 58		/ /	177.40	15	25.90			1	2
	Ilaya, Las Pinas, M.M.	120- 58- 56									

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LPS-1006	MWSS Las Pinas Elem. School	14- 28- 52	NIA	/ /80	228.60	25	31.20	42.00	21.00	1	3
	Las Pinas Elementary School	120- 58- 33									
LPS-1007	MWSS Naga Road #2	14- 28- 1	PIWDC	/ /78	243.80	25	39.10	63.90	22.80	1	1
	Naga Road, Pulang Lupa, Las Pinas	120- 58- 54									
LPS-1008	MWSS Manuyo	14- 29- 10		/ /	98.40	15	25.30	66.40	10.10	1	2
	Manuyo, Las Pinas, M.M.	120- 58- 53									
LPS-2001	Jolibee	- -		05/01/90	244.00				1.39	4	
	Zapote, Las,Pinas	- -									
LPS-2002	Good Year Tire & Rubber	- -	Shamrock	05/14/68	304.88	30	36.28	103.35	4.73	6	
	Almanza, Las Pinas	- -									
LPS-2003	Mac Donalds	14- 27- 10	Metro Drillers	08/01/89	213.00	20	44.82	79.27	6.63	4	
	Philam Life Avenue, Las Pinas	120- 56- 35									
LPS-2004	Veraville Subdivision	- -	Sercon	04/10/86	213.41	20	38.11	46.34	9.46	1	
	Talon, Las Pinas	- -									
LPS-2005	Saniwares #3	14- 25- 46	Metro Drillers	06/01/86	305.00	20	33.54	211.89	3.47	8	
	Bo. Almanza, Las Pinas	121- 1- 0									
LPS-2006	Pilar Development Corporation #6	- -	Pyramid	01/01/80	304.88	30	23.48	30.98	26.50	1	
	Camino Real, Blk.1, Lot2,	- -									
	Ph.IV, Pilar Village										
LPS-2007	Good Year #6	14- 25- 46	Metro Drillers	/ /83	304.88	25	78.96	157.07	7.70	8	
	Las Pinas	121- 1- 0									
LPS-2008	Pilar Development Corporation #4	- -	Pyramid	/ /75	304.88	30	28.05	128.05	25.24	1	
	Phase IV, Almanza, Las Pinas	- -									
LPS-2009	Manila Times Village	- -	Lopez	08/29/70	213.41	25	27.44			1	
	Manila Times Village, Las Pinas	- -									
LPS-2010	Pilar Development Corporation #2	- -	Pyramid	/ /74	304.88	25	18.29	36.58	29.03	1	
	Blk. 38, Almanza, Las, Pinas	- -									
LPS-2011	Citadella Executive Village	- -	Quik-Drill	06/01/89	244.00	20	51.00	92.50	6.31	1	
	CAA, Las Pinas	- -									
LPS-2012	FILIPINAS MICRO CIRCUIT INC.	- -	Orbit Wells	10/16/84	304.88	25	42.68	153.05	9.46	1	
	Almanza, Las Pinas	- -									
LPS-2013	General Synthetic Industries #2	- -	Condrill	01/01/85	246.00	20	28.96	36.28	7.82	8	
	Km. 18 Bo. Talon, Las Pinas	- -									
LPS-2014	General Motors #1	- -	Shamrock	10/22/74	243.90	15	39.94	76.52	7.26	8	
	Almanza, Las Pinas	- -									
LPS-2015	Philips Electrical Lamps Inc.	- -	Shamrock	02/06/71	182.93	20	11.58	16.95	12.87	8	
	Bo. Pamplona , Las Pinas	- -									
LPS-2016	Pilar Development Corporation #7	- -	Pyramid	/ /80	306.40	30	30.49		28.40	1	
	Mercury St., Phase IV, Pilar Village	- -									
LPS-2017	Casimiro Town Homes	- -		/ /89	241.00					1	
	Casimiro Townhomes Phase2, Las Pinas	- -									
LPS-2018	Pilar Development Corporation #3	- -	Pyramid	/ /74	304.80	30	27.44	121.95	27.76	1	
	Phase I, Almanza, Las, Pinas	- -									
LPS-2019	General Motors #2	- -	Shamrock	02/13/74	304.88	20	42.68	79.27	9.84	8	
	Almanza, Las Pinas	- -									
LPS-2020	C. P. Agleham Development #3	- -	Pyramid	05/01/80	243.90	20	35.06	37.80	9.15	1	
	Rainbow Village , Almanza, Talon	- -									
LPS-2021	Pilar Development Corporation #5	- -	Pyramid	/ /75	304.88	20	24.12		31.55	1	
	Phase V, Almanza, Las Pinas	- -									

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LPS-2022	Pilar Development Corporation #1	- -	Pyramid	/ /71	243.90	25	39.63	88.41	22.08	1	
	Almanza, Las, Pinas	- -									
LPS-2023	Republic Steel Tubes Inc.	- -		/ /	213.00	15				8	
	Pamplona, Las Pinas	- -									
LPS-2024	Sanitwares Mfg. corp. #3	- -		/ /89	244.00	20	96.04	151.80	3.79	8	
	Almanza, Las Pinas	- -									
LPS-2025	Rohm and Haas Phil. Inc.	- -	Hydro-Wells	07/01/88	304.88	20	74.90	119.90	7.17	8	
	CAA Road, Pamplona, Las Pinas	- -									
LPS-2026	Casimiro	14- 26- 22		10/08/86	243.00	20	79.30	84.60	9.50	1	
	Talon, Las Pinas	121- - 22									
LPS-2027	Metro. Townhouses/City Lite Realty	14- 27- 0	Valenzuela	/ /84	154.27	15				1	
	CAA, Pamplona , Las Pinas	120- 59- 31									
LPS-2028	Philips Component Phils.	- -	Orbit Wells	11/01/89	300.00	25	70.73	99.35	12.60	8	
	Pamplona, Las Pinas	- -									
LPS-2029	Casimiro Development Corporation	- -	P & P	/ /89	243.90	25				8	
	Zapote Phase I, Las Pinas	- -									
LPS-2030	Casimiro Development Corporation	- -	Aqua-Haus	06/01/89	243.90	20				1	
	Pulang Lupa II, Las Pinas	- -									
LPS-2031	Philips Elect. Lamps Inc.	- -	J.B. Hoover	04/21/86	121.95	25	26.22	39.33	6.94	8	
	Pamplona , Las Pinas	- -									
LPS-2032	RFC Supermarket	- -		/ /89	213.00	20				3	
	Pamplona, Las Pinas	- -									
LPS-2033	Casimiro Development Corp.	- -	Aqua-Haus	03/01/90	243.90	20	48.17	52.44	1.39	1	
	Manuyo I, Talon Las Pinas	- -									
LPS-2034	Casimiro Townhomes Phase IV	- -		/ /90	243.00	20				1	
	Manuyo, Las Pinas	- -									
LPS-2035	Philips Component (Phils.) Inc.	- -	J.B. Hoover	12/07/85	121.95	25	23.78	34.15	11.36	8	
	Las Pinas	- -									
LPS-2036	BF Homes #4	14- 24- 57	Original Eng'g.	12/14/89	305.00	25	95.35	194.44	12.00	1	
	BF Homes Almanza , Las Pinas	121- 0- 48									
LPS-2037	BF Homes #3	- -	Pyramid	03/25/74	304.88	30	29.18	103.66	15.78	1	
	Almanza, Las Pinas	- -									
LPS-2038	BF Homes	- -	Pyramid	04/20/68	217.68	25	28.66	87.20	22.72	1	
	Blk. 41 , BF Las Pinas (Almanza)	- -									
LPS-2039	BF Homes #2	- -	Pyramid	02/22/69	182.93	20	30.79	85.37	11.36	1	
	CRM Ave, Almanza, Las Pinas	- -									
LPS-2040	BF Homes Almanza #29	14- 26- 27	Hydro-Wells	02/01/89	305.00	25	89.14	152.98	10.06	1	
	Almanza , Las Pinas	121- 0- 40									
LPS-2041	Camella Homes	- -		05/14/81	328.00		39.36	59.04	4.73	1	
	Camella Phase V, Pulang Lupa	- -									
LPS-2042	A.C. Aguirre Management Corporation	14- 26- 26	Pyramid	08/25/81	338.41		28.96	35.06	17.35	1	
	Southland Subdivision, Almanza	121- 0- 25									
LPS-2043	Household Development Corporation	- -	HYDRO	/ /89	305.00	15				1	
	Talon	- -									
LPS-2044	DEVELOPMENT BANK OF THE PHILIPPINES	- -	PIWDC	11/23/83						1	
	Las Pinas, Metro Manila	- -									
LPS-2045	Manuela Realty	14- 27- 11		/ /90	182.90	20			7.57	1	1
	Balimbing Street,PhaseIV-A Pamplona	120- 59- 2									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
LPS-2046	California Manufacturing Company	14- 26- 32		/ /					16.71	4	1
	Inc Talon	121- 0- 1									
LPS-2047	GOODYEAR #3	- -	Shamrock	/ /		20			9.50	8	
	Las Pinas, M.M.	- -									
LPS-2048	PHILAMLIFE #1	- -	Shamrock	06/01/68	190.00		17.37	68.90	30.90	1	
	Philamlife Subd., Pamplona	- -									
LPS-2049	PHILAMLIFE #2	- -	Pyramid	01/20/73	213.40	25	11.58	79.20	25.20	1	
	Philamlife Subd., Pamplona	- -									
LPS-2050	Municipality of Las Pinas	14- 27- 4		/ /						2	1
	Municipal Hall	120- 58- 52									
LPS-2051	BF HOMES, PAMPLONA #3	- -	Shamrock	09/01/74	304.80	30	29.20	103.40	15.70	1	
	Pamplona, Las Pinas, M.M.	- -									
LPS-2052	BF HOMES #3	- -	Pyramid	03/25/74	304.80	30	32.00	113.40	30.60	1	
	Block 10, Phase II, BF Homes	- -									
LPS-2053	BF HOMES #9	- -	Pyramid	10/02/75	304.80	30	17.47		33.70	1	
	Abelardo St., International Village,	- -									
	BF Homes, Paranaque, M.M.										
LPS-2054	BF HOMES #7	- -		/ /	365.76	30			16.60	1	
	Pamplona, Las Pinas, M.M.	- -									
LPS-2055	BF HOMES #10	- -	Pyramid	/ /75	182.90	30			12.00	1	
	Executive Village, Phase V, BF Homes	- -									
LPS-2056	BF HOMES #20	- -	Pyramid	/ /78					11.10	1	
	Paranaque, M.M.	- -									
LPS-2057	BF HOMES #11	- -	Pyramid	03/10/76	304.80	30			17.60	1	
	Block 20, Lot 38, Phase VI, BF Homes	- -									
LPS-2058	BF HOMES #13	- -	Pyramid	/ /76	182.90				16.70	1	
	BF Homes, Paranaque, M.M.	- -									
LPS-2059	BF HOMES #14	- -	Pyramid	/ /76					13.00	1	
	Paranaque, M.M.	- -									
LPS-2060	BF HOMES #15	- -	Pyramid	/ /77	304.90	35			10.20	1	
	Block 15, Lot 15, Phase III, BF Homes	- -									
LPS-2061	BF HOMES #16	- -	Pyramid	/ /77	304.80	35			17.59	1	
	BF Homes, Paranaque, M.M.	- -									
LPS-2062	BF HOMES #17	- -	Pyramid	/ /77					15.74	1	
	Paranaque, M.M.	- -									
LPS-2063	ARCO PAPER & PULP CO. #1	- -		/ /	304.80					7	2
	Almanza, Las Pinas, M.M.	- -									
LPS-2064	ARCO PAPER & PULP CO. #2	- -		/ /	228.60				13.50	7	
	Almanza, Las Pinas, M.M.	- -									
LPS-2065	ARCO PAPER & PULP CO. #3	- -		/ /	243.84					7	3
	Las Pinas, M.M.	- -									
LPS-2066	ARCO PAPER & PULP CO. #4	- -		/ /	243.84					7	2
	Las Pinas, M.M.	- -									
LPS-2067	Philamlife	14- 26- 48		/ /					15.71	1	1
	Ruby Street, Emapalico Homes	120- 59- 35									
LPS-2068	Sta. Cecilia Village Association Inc.	14- 26- 49		/ /					17.26	1	1
	Sta. Cecilia Village, Pamplona	120- 58- 53									
LPS-2069	Perpetual Help Medical Center	14- 26- 59		/ /					3.79	1	1
	Real Street, Pamplona	120- 59- 5									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
LPS-2070	BF HOMES #1	- -	Pyramid	/ /78	217.62	25	28.65	87.17	22.70	1	
	Block 41, BF Homes, Las Pinas, M.M.	- -									
LPS-2071	F.C. VALARAO REALTY	- -	Pyramid	09/15/70	213.36	20	25.90	85.30	10.10	1	
	Talon, Las Pinas, M.M.	- -									
LPS-2072	PARAMOUNT TEXTILE	- -		/ /56	121.90	15	3.70	18.90	3.10	7	3
	Talon, Las Pinas, M.M.	- -									
LPS-2073	PHILIPPINE CERAMICS	- -		/ /58	121.92	15	1.21	13.40	2.50	8	3
	Las Pinas, M.M.	- -									
LPS-2074	BPI ZAPOTE BRANCH	- -	SERCON	09/25/75	152.40	10	25.90	36.57	3.20	1	
	Zapote, Las Pinas, M.M.	- -									
LPS-2075	FAR EAST WIRE & CABLE	- -	Shamrock	/ /72	213.40		10.00	23.80	15.70	8	
	Las Pinas, M.M.	- -									
LPS-2076	GOODYEAR TIRE & RUBBER CO. #1	- -	Shamrock	05/14/68	304.80	30	35.10	103.30	4.70	8	
	Las Pinas, M.M.	- -									
LPS-2077	GOODYEAR #2	- -	Shamrock	/ /		20			9.00	8	
	Las Pinas, M.M.	- -									
LPS-2078	LA PAZ INVESTMENT & DEV. CORP.	- -	SERCON	/ /	213.40	25	53.90		1.90	1	
	Las Pinas, M.M.	- -									
LPS-2079	PAMPLONA DEVELOPMENT CORPORATION	- -	Pyramid	11/01/70	213.40	20	30.50	85.30	8.80	1	
	Pamplona, Las Pinas, M.M.	- -									
LPS-2080	PHILIPS ELECTRICAL LAMPS #4	- -		/ /						8	3
	Las Pinas, M.M.	- -									
LPS-2081	LA FUERZA	- -		/ /						8	3
	Las Pinas, M.M.	- -									
LPS-2082	EXECUTIVE VILLAGE	- -		/ /						1	2
	Las Pinas, M.M.	- -									
LPS-2083	PHILIPPINE INFRASTRUCTURES INC.	- -		/ /						1	
	Talon, Las Pinas, M.M.	- -									
LPS-2084	Phinma Realty Corporation #1	- -	HY-PRO	/ /79	182.90	20	36.28	64.60	7.70	1	
	Pamplona	- -									
LPS-2085	PHINMA REALTY CORPORATION #2	14- 26- 54	HY-PRO	/ /79	274.30	20	36.30	64.60	7.60	1	
	Pamplona, Las Pinas, M.M.	120- 58- 51									
LPS-2086	ESSO SERVICE STATION	- -	Lopez	01/28/71	121.92	10	5.79			3	
	Las Pinas, M.M.	- -									
LPS-2087	Velasquez Realty Corporation	- -		/ /	233.10	20	21.33		6.80	1	
	Talon	- -									
LPS-2088	MOONWALK SUBDIVISION	- -	Pyramid	/ /	213.40	25			0.90	1	
	Moonwalk Subd., Talon, Las Pinas	- -									
LPS-2089	Mapayapa Village	- -		/ /	91.40	20			6.00	1	3
		- -									
LPS-2090	BF HOMES #19	- -		/ /76	306.60	30			13.80	1	
	Paranaque, M.M.	- -									
LPS-2091	BF HOMES #18	- -		/ /	304.80	20			16.60	1	
	BF Homes Paranaque, Las Pinas, M.M.	- -									
LPS-2092	BF HOMES #4	- -		/ /74	365.80	30	10.00	40.30	13.80	1	
	Pamplona, Las Pinas, M.M.	- -									
LPS-2093	BF HOMES #5	- -		/ /73	304.40	35	22.20	29.60	12.90	1	
	Pamplona, Las Pinas, M.M.	- -									

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LPS-2094	BF Homes Paranaque #8 El Grande or Tropical Street	- - - -		/ /	365.80				17.50	1	
LPS-2095	B.F. Homes #9	- - - -		/ /	304.80				9.20	1	
LPS-2096	RAINBOW VILLAGE #3 Almanza, Las Pinas, M.M.	- - - -		/ /80	243.80	20	35.10			1	
LPS-2097	Manila Doctor's Village	- - - -		/ /	121.90	20			1.00	1	
LPS-2098	International Pharmaceutical	- - - -		/ /					6.50	5	
LPS-2099	Golden Gate Subdivision	- - - -		/ /						1	3
LPS-2100	Tierra Hermosa	- - - -		/ /					7.00	1	
LPS-2101	Talon Village	- - - -		/ /					5.00	1	3
LPS-2102	Philippine Pineapple Corporation	- - - -		/ /					14.80	4	
LPS-2103	Inmont	- - - -		/ /					5.00	8	
LPS-2104	ROH Auto Products	- - - -		/ /					6.50	8	
LPS-2105	GRANDOE	- - - -		/ /					11.10	8	
LPS-2106	APV. Bell Bryant	- - - -		/ /					12.00	8	
LPS-2107	Moonwalk #2	- - - -		/ /					7.00	1	3
LPS-2108	Moonwalk #3	- - - -		/ /						1	3
LPS-2109	Agro Homes Talon	- - - -		/ /					2.00	1	
LPS-2110	Jade Accredited Reconditioning Cente	- - - -		/ /					7.00	8	
LPS-2111		- - - -		/ /					6.00	1	
LPS-2112	Rotex	- - - -		/ /					10.20	8	
LPS-2113	Life Coat	- - - -		/ /					4.50	8	
LPS-2114	Admiral Apartment	- - - -		/ /					7.00	1	
LPS-2115	Consolidated Furnishing	- - - -		/ /					2.70	1	
LPS-2116	Delarbes Straw Company	- - - -		/ /					9.20	8	
LPS-2117	Pilar Field Office Batching Plant	- - - -		/ /						2	3

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LPS-2118	FMC (Francisco Motors Corporation)	- - - -		/ /					4.80	3	
LPS-2119	WJJ Merchandizing	- - - -		/ /						3	
LPS-2120	Allan Company	- - - -		/ /					7.00	3	
LPS-2121	ROHM & HAAS Philippines	- - - -		/ /					7.00	8	
LPS-2122	Vacu-lug Tire	- - - -		/ /					7.00	8	
LPS-2123	Fasan Court	- - - -		/ /						1	3
LPS-2124	Pacific Twine & Net Mfg. Company	- - - -		/ /					6.50	8	
LPS-2125	Perpetual Help College of Rizal	- - - -		/ /75	152.40	10	13.71		10.30	3	3
LPS-2126	Camella Homes #2	- - - -		/ /					0.80	1	
LPS-2127	Amalgamated Cereal Corporation	- - - -		/ /					7.00	4	
LPS-2128	Reyville Subdivision II	- - - -		/ /						1	3
LPS-2129	Greenview Village	- - - -		/ /					5.50	1	
LPS-2130	Monarch International	- - - -		/ /77	240.90	10			9.46	4	
LPS-2131	Borden International	- - - -		/ /62					4.50	4	
LPS-2132	B.F. Homes #6	- - - -	PYRAMID	/ /74	304.80	30	24.00	51.22	37.87	1	
LPS-2133	BF HOMES #8 Tourist Village, Phase IV,	- - - -	Pyramid	/ /74	365.80	30	9.80	40.60	18.40	1	
LPS-2134	Latex City	- - - -	ATKINSKROLL	/ /62		15	30.48	76.28	7.50	5	
LPS-2135	Bo. Cut-Cut	- - - -		/ /						1	3
LPS-2136	Jalecor	- - - -		/ /79	213.40	20	28.96	52.44	4.16	8	
LPS-2137	PII (Royal Oil Mill)	- - - -		/ /	146.30	25			3.50	8	
LPS-2138	Goodyear Tire Philippines Inc. #5 Almanza	14- 25- 41 121- 1- 3		/ /					3.15	8	1
LPS-2139	Goodyear Tire Philippines Inc. #4 Almanza	14- 25- 28 121- 1- 8		/ /					1.13	8	1
LPS-2140	United Realty Co. Inc. PAMPLONA	14- 27- 1 120- 59- 27		/ /					6.31	1	1
LPS-2141	Sister Coronada Las Pinas	- - - -	V. ROMERO	/ /86						1	

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LPS-2142	Rohm & Haas Phils., Inc.	- -	HYDRO	/ /86	182.90	15				8	
	Pamplona	- -									
LPS-2143	Metro Gravel & Sand	- -	HYDRO	/ /88						3	
	Pamplona	- -									
LPS-2146	ROYAL INT'L. BUILDERS CO., INC.	- -	PIWDC	05/11/89	183.00	15	26.70	84.80	6.90	3	
	Pamplona, Las Pinas, M.M.	- -									
LPS-2147	HENG MING (PHILS.) INDUSTRIAL, INC.	- -	PIWDC	09/05/89	183.00	20	82.90	88.60	1.40	8	
	Alvarez St., Talon, Las Pinas, M.M.	- -									
LPS-2148	Golden Haven Memorial Park	- -	HYDRO	/ /89	244.00	15				1	
	Pulang Lupa	- -									
LPS-2149	Allied Mills	- -	V. ROMERO	/ /86						7	
	Las Pinas	- -									
LPS-2150	F. Aldana	14- 26- 17		/ /86					2.90	1	
	Talon	120- 29- 55									
LPS-2151	C. Life Realty	14- 27- 0		/ /					0.24	1	
	Pamplona	120- 59- 31									
LPS-2152	UCPB Realty	14- 26- 52		/ /					3.78	1	
	Pamplona	120- 59- 31									
LPS-2153	Pilar Farms	14- 26- 10		/ /					1.50	1	
	Talon	121- 0- 19									
LPS-2154	PWCC #31	14- 26- 57		/ /						1	1
	A.P.Reyes St. BF Homes PAR	121- 0- 45									
LPS-2155	PWCC #40	14- 26- 28		/ /						1	1
	Sr. George St.BF Homes PAR	121- 0- 33									
LPS-2156	PWCC #1	14- 26- 27		/ /						1	1
	Lalaine Bennett cor. Vida	120- 58- 59									
	Doria.B.F.Homes Pamplona										
LPS-2157	PWCC #24	14- 26- 45		/ /						1	1
	Elizalde/R. Corpuz Street,B.F. Homes	121- 0- 49									
LPS-2158	PWCC #8	14- 26- 4		/ /					15.56	1	1
	Sekiat Street, B.F. Resort	120- 59- 11									
LPS-2159	PWCC	14- 27- 14		/ /					8.51	1	1
	Wellington cor. Kingstone Street	120- 59- 52									
LPS-2160	PWCC #4	14- 27- 14		/ /						1	1
	T. Sison cor. Buencamino Street	121- 0- 43									
LPS-2161	PWCC #2	14- 26- 18		/ /					15.56	1	1
	B. Estanislao Street, B.F. Homes	120- 59- 17									
LPS-2162	PWCC #6	14- 26- 25		/ /					24.57	1	1
	August Street, B.F. Resort	120- 59- 48									
LPS-2163	PWCC #28	14- 26- 23		/ /					25.52	1	1
	Hernandez Portion, B.F. Homes PAR	121- 0- 32									
LPS-2164	PWCC #21	14- 26- 46		/ /						1	1
	Block 13 lot 44, B.F. Homes PAR	121- 0- 10									
LPS-2165	PWCC #4	14- 27- 5		/ /						1	1
	Tropical /Hiroshima Streets PAR	121- 0- 19									
LPS-2166	Philips Electric Lamps #4	14- 27- 18		/ /						1	1
	Alabang-Zapote Road, Pamplona	120- 58- 18									
LPS-2167	Casimiro Village	14- 27- 8		/ /					1.67	1	1
	Narra Street, Casimiro Avenue #1	120- 59- 34									

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LPS-2168	ARCO PAPER MILLS #2	- -		/ /62	78.35		18.30	21.86	0.32	7	
	Alabang, Muntinlupa, M.M.	- -									
LPS-2169	Almanza	- -		/ /57	103.60		12.80	20.80	0.32	1	
		- -									
LPS-2170	B.F. Homes	14- 24- 37		/ /89	305.00		95.35	194.44	12.00	1	
	Almanza	121- 0- 48									
LPS-2171	Pilar Dev. Corp. #15	- -		/ /75	304.80		24.07		31.50	1	
		- -									
LPS-2172		14- 26- 10		/ /86	304.80		63.70	94.18	7.20	1	
	Talon	121- 0- 19									
LPS-2173		- -		/ /62	121.70					1	
	Talon	- -									
LPS-2174		- -		/ /50	457.50		12.19		1.58	1	
	Talon	- -									
LPS-2175	Ault and Wiborg Co.	- -		/ /66	304.90		68.90	91.90	7.70	8	
	Talon	- -									
LPS-2176		- -		/ /63	161.50		6.70	13.33	1.26	1	
	Tramo	- -									
LPS-2177		- -		/ /	173.80		21.30			1	
	Zapote	- -									
LPS-2178		- -		/ /54	91.50		0.61	0.73	3.79	1	
	Zapote	- -									
LPS-2179	B.F. Homes	14- 26- 27		/ /88	305.00	25	89.14	152.98	10.06	1	
	Almanza	121- 0- 40									
LPS-2180	General Motors	- -		/ /73	245.00		43.00	77.52	7.25	8	
	Almanza	- -									
LPS-2181	La Paz Incorporated and Developers	- -		/ /	213.16		53.94		1.90	1	
		- -									
LPS-2182		- -		/ /63	195.12		6.10		1.29	1	
	Manuyo	- -									
LPS-2183		- -		/ /54	135.67		7.62	8.53	1.26	1	
	Manuyo	- -									
LPS-2184	Metropolitan Townhouses	- -		/ /84	154.27		26.00	53.70	5.70	1	
	Casimiro Road	- -									
LPS-2186		- -		/ /50	246.95		3.05		1.58	1	
		- -									
LPS-2187		- -		/ /	247.32		36.27	64.01	7.60	1	
	Pamplona	- -									
LPS-2188	Metropolitan Townhouses	14- 27- 0		/ /84	154.27					1	
	Pamplona	120- 59- 31									
LPS-2189	BF HOMES #2, PAMPLONA SUBDIVISION	- -	Pyramid	09/23/74						1	
	Pamplona Subdivision, Las Pinas	- -									
LPS-2190	BF HOMES #1, PAMPLONA SUBDIVISION	- -	Pyramid	06/19/72						1	
	Pamplona Subdivision, Las Pinas	- -									
LPS-2191	BF HOMES #6	- -		/ /						1	
	Pamplona, Las Pinas, M.M.	- -									

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MDL-1001	NATIONAL MENTAL HOSPITAL #1	14- 34- 56	NMSA	/ /59	201.20	20	18.30	29.00	11.40	1	3
	NMH Mandaluyong, M.M.	121- 2- 17									
MDL-1002	NATIONAL MENTAL HOSPITAL #2	14- 34- 51	NMSA	/ /60	227.44	20	17.40		1.50	1	3
	NMH Mandaluyong, M.M.	121- 2- 32									
MDL-1003	BLISS BO. HULO	14- 34- 25		/ /83	243.90	20	24.43	62.65	4.54	1	3
	Urban Bliss Project, Bo. Hulo	121- 1- 53									
MDL-2001	Population Commission #2	- -	Quik-Drill	/ /	97.58	10	28.66			1	
	Mandaluyong , Metro Manila	- -									
MDL-2002	Interventure Capital Corporation	14- 35- 26	PIWDC	/ /83	152.40	20	30.50	136.48	2.60	8	
	Hagdang Bato Townhouse, Ortigas And	121- 1- 37									
	Lopez Streets, Mandaluyong										
MDL-2003	San Miguel Corporation	14- 35- 9	Shamrock	08/30/80	304.88		65.55	139.90	10.43	4	
	San Miguel Ave. cor. Julia Vargas	121- 3- 25									
MDL-2004	DON BOSCO TECHNICAL INST.	14- 35- 31	Wells & Pumps	/ /57	183.23	15	8.84	24.39	6.94	2	
	Gen. Kalentong St., Mandaluyong, M.M.	121- 1- 28									
MDL-2005	ETERNIT CORP.	- -		/ /40	149.39		1.82	6.10		8	3
	Mandaluyong, M.M.	- -									
MDL-2006	INSULAR SUGAR REFINING #1	- -	Wells & Pumps	/ /49	133.23	23	2.13	5.48	6.94	4	
	Mandaluyong, M.M.	- -									
MDL-2007	INSULAR SUGAR REFINING #2	- -	Wells & Pumps	/ /63	182.92	23	6.10	22.25	6.30	4	
	Mandaluyong, M.M.	- -									
MDL-2008	INSULAR SUGAR REFINING #3	- -	Wells & Pumps	/ /49	124.09	23	5.18		6.94	4	
	Mandaluyong, M.M.	- -									
MDL-2009	INSULAR SUGAR REFINING #4	- -	Wells & Pumps	/ /63	182.92	30	10.67	74.39	6.94	4	
	Mandaluyong, M.M.	- -									
MDL-2010	CARLA MFG. #1	- -	LOPEZ	/ /69	155.48	8	21.95		1.00	8	
	Arayat, Mandaluyong, M.M.	- -									
MDL-2011	CARLA MFG. #2	- -	LOPEZ	/ /69	152.43	8	21.34		1.50	8	
	Arayat, Mandaluyong, M.M.	- -									
MDL-2012	MR. PETER KAW SEK	- -	LOPEZ	/ /55	121.95	10	22.86	25.91		1	
	Arayat, Mandaluyong, M.M.	- -									
MDL-2013	ESSO STANDARD	- -	LOPEZ	/ /69	106.70	10	6.70			3	
	Cardona, Mandaluyong	- -									
MDL-2014	Puyat Steel #1	- -		/ /					5.00	8	3
	EDSA, Mandaluyong, M.M.	- -									
MDL-2015	PUYAT STEEL #2	- -	Wells & Pumps	/ /67	243.90	20	48.78	74.69	9.47	8	3
	EDSA, Mandaluyong, M.M.	- -									
MDL-2016	AHS (ABOTT) #1	- -		/ /70	228.65	15	95.12			5	2
	EDSA, Mandaluyong, M.M.	- -									
MDL-2017	AHS (ABOTT) #2	- -		/ /70	243.90	20	97.56		1.00	5	
	EDSA, Mandaluyong, M.M.	- -									
MDL-2018	CONTINENTAL MFG. CO.	- -		/ /					4.00	8	
	EDSA, Mandaluyong, M.M.	- -									
MDL-2019	UNION CARBIDE (EVEREADY)	- -	CASUSO	/ /60	246.95	15	64.27	86.46		8	3
	EDSA, Mandaluyong, M.M.	- -									
MDL-2020	GENERAL MILK #1	- -	HOOVER	/ /57	228.65	25	27.13	34.45	2.00	4	3
	Pine St., Mandaluyong	- -									
MDL-2021	GENERAL MILK #2	- -	HOOVER	/ /58	243.90	30	47.56	60.97	2.50	4	3
	Pine St., Mandaluyong	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
MDL-2022	GENERAL MILK #3	- -	SHAMROCK	/ /65	304.87	25	60.97	106.79	9.47	4	3
	Pine St., Mandaluyong	- -									
MDL-2023	REYNOLDS ALUMINUM #1	- -	HOOVER	/ /54	282.00	15		64.02	2.50	8	
	EDSA, Mandaluyong, M.M.	- -									
MDL-2024	REYNOLDS ALUMINUM #2	- -	HOOVER	/ /51	243.90	30	50.80	69.51	25.25	8	
	EDSA, Mandaluyong, M.M.	- -									
MDL-2025	REPUBLIC FLOUR MILL	14- 34- 15	HOOVER	/ /66	243.90	25	27.43		4.50	8	
	Riverside, Mandaluyong	121- 03- 00									
MDL-2026	LIBERTY FLOUR #1	14- 34- 42	SHAMROCK	/ /60	182.92	20	18.29	54.87	25.25	8	
	Riverside, Mandaluyong	121- 02- 30									
MDL-2027	GEN. MILLING CO.	- -		/ /71	304.87		122.00	157.12	6.31	8	
	Reliance St., Mandaluyong	- -									
MDL-2028	COATING INDUSTRY OF THE PHIL.	- -	LOPEZ	/ /68	182.92	15	57.92		2.50	8	
	Mandaluyong, M.M.	- -									
MDL-2029	FILIPINO PIPE & FOUNDRY	- -	SHAMROCK	/ /66	222.56	20	19.51	35.97	2.50	8	
	Mandaluyong, M.M.	- -									
MDL-2030	PHELPS DODGE	- -		/ /	376.82	30	60.97	91.46	6.94	8	
	Pioneer St., Mandaluyong, M.M.	- -									
MDL-2031	MR. HANS INHELDER LABORATORY INC.	- -		/ /55	228.65	20	54.87	67.07	6.31	8	
	Pioneer St., Mandaluyong, M.M.	- -									
MDL-2032	PEMCO	- -		/ /60	239.33	20	18.29		2.50	8	
	Pioneer St., Mandaluyong, M.M.	- -									
MDL-2033	PUREFOODS INC.	- -		/ /62	304.87	35	42.99	63.10	2.50	4	
	Pioneer St., Mandaluyong, M.M.	- -									
MDL-2034	WRIGLEY'S PHIL. INC.	- -		/ /						8	
	Pioneer St., Mandaluyong, M.M.	- -									
MDL-2035	MERCURY DRUG #1	- -		/ /64	341.46	35	42.68	60.97	12.62	1	3
	Mandaluyong, M.M.	- -									
MDL-2036	PARKE DAVIS & CO.	- -		/ /54	25.12	20	17.68	31.40	6.94	7	
	Mandaluyong, M.M.	- -									
MDL-2037	BASIC FOOD CORP. #1	- -	LOPEZ	/ /73	304.87	40	53.35		3.50	4	
	Brixton St., Mandaluyong	- -									
MDL-2038	BASIC FOOD CORP. #2	- -	PIWDC	/ /77	274.39	45	59.45	125.00	26.04	4	
	Brixton St., Mandaluyong	- -									
MDL-2039	SANITARY STEAM LAUNDRY #1	- -	HOOVER	/ /55	198.17	25	106.70		3.00	3	
	Shaw Blvd., Mandaluyong	- -									
MDL-2040	SANITARY STEAM LAUNDRY #2	- -	HOOVER	/ /59	213.41	25		73.17	4.00	3	
	Shaw Blvd., Mandaluyong	- -									
MDL-2041	SANITARY STEAM LAUNDRY #3	- -	HOOVER	/ /61	274.39	30	106.70		2.50	3	
	Shaw Blvd., Mandaluyong	- -									
MDL-2042	UNITED DRUG CORP.	- -	HOOVER	/ /66	213.00	30	48.78		1.00	3	
	Shaw Blvd., Mandaluyong	- -									
MDL-2043	MANDALUYONG ICE PLANT #1	- -	SHAMROCK	/ /62	183.84	20	3.35	21.34	9.47	3	
	Mandaluyong, M.M.	- -									
MDL-2044	MANDALUYONG ICE PLANT #2	14- 35- 41	SHAMROCK	/ /68	304.87	25	27.44		3.50	8	
	Mandaluyong, M.M.	121- 01- 41									
MDL-2045	LITEX TEXTILE	- -		/ /57	246.95	25	16.75	47.78	5.00	7	
	Shaw Blvd., Mandaluyong	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
MDL-2046	ABM SISON HOSPITAL #1	- -		/ /	243.90	25	12.19	77.44	1.80	2	3
	Pasig Blvd., Mandaluyong, M.M.	- -									
MDL-2047	ABM SISON HOSPITAL #2	14- 34- 58	SHAMROCK	/ /72	304.87	25	71.64	101.22	10.42	2	3
	Shaw Blvd., Mandaluyong, M.M.	121- 03- 26									
MDL-2048	PHIL. ROCK PRODUCTS INC. #1	14- 34- 23	PYRAMID	/ /61	460.00	25	36.58	71.65	12.62	8	
	Shaw Blvd., Mandaluyong	121- 03- 06									
MDL-2049	PHIL. ROCK PRODUCTS INC. #2	- -	SHAMROCK	/ /63	408.53	30	36.58	71.65	4.00	8	
	Shaw Blvd., Mandaluyong	- -									
MDL-2050	SAN ANTONIO VILLAGE	- -	PYRAMID	/ /68	304.87	25	64.02	90.85	7.70	1	
	Mandaluyong, M.M.	- -									
MDL-2051	ST. FRANCIS SCHOOL	- -	Shamrock	/ /65	248.47	15	60.97	82.31	1.80	2	
	Mandaluyong, M.M.	- -									
MDL-2052	INTERWOOD PAPER & PULP	- -	HOOVER	/ /61	243.90	20			12.50	7	
	Mandaluyong, M.M.	- -									
MDL-2053	GF EQUITY	- -	Lopez	/ /71	213.41	20	53.35		1.00	3	
	Mandaluyong M.M.	- -									
MDL-2054	MRS. R. TANCO	- -	SHAMROCK	/ /79	182.92	20	28.96	88.96	5.05	1	
	Wack-Wack, Mandaluyong	- -									
MDL-2055	WACK-WACK GOLF & COUNTRY CLUB #1	14- 35- 24	HOOVER	/ /63	243.90	35	38.41	70.12	2.08	3	
	Wack-Wack, Mandaluyong	121- 2- 57									
MDL-2056	WACK-WACK GOLF & COUNTRY CLUB #2	14- 35- 31	HOOVER	/ /68	244.00	35	52.43		2.78	3	
	Wack-Wack, Mandaluyong	121- 3- 9									
MDL-2057	ESSO PHILS., INC.	- -	LOPEZ	/ /65	106.70	10	6.70		1.00	3	
	Mandaluyong	- -									
MDL-2058	MRS. BUDDY FERNANDEZ	- -	LOPEZ	/ /76	91.98	10	27.44		1	3	
	Mandaluyong	- -									
MDL-2059	ISDANCO REALTY INC.	14- 35- 55	HOOVER	/ /77	277.00	30	38.00	76.22	26.00	8	
	Corinthian Garden, Mandaluyong	121- 3- 45									
MDL-2060	WACK-WACK GOLF & COUNTRY CLUB #3	14- 35- 56		/ /63	243.80		17.40		4.00	3	3
	Mandaluyong	121- 03- 59									
MDL-2061	WACK-WACK GOLF & COUNTRY CLUB #4	14- 35- 47		/ /80	304.90		65.55		10.53	3	3
	Mandaluyong	121- 02- 52									
MDL-2062	AYALA WELL - BARANGKA	- -		/ /					4.62	1	
	Barangka, Mandaluyong	- -									
MDL-2063	ARIS. PHILS.	- -		/ /					1.85	8	
	Mandaluyong	- -									
MDL-2064	REYNOLDS ALUMINUM #3	- -		/ /	304.87		106.70		9.47	8	
	Mandaluyong	- -									
MDL-2065	POBLACION	- -		/ /60	182.93		5.49		7.89	1	
	Poblacion, Mandaluyong	- -									
MDL-2066	ASIAN BROADCASTING NETWORK	- -		/ /					3.00	1	
	Mandaluyong	- -									
MDL-2067	REYNOLDS ALUMINUM #4	- -		/ /	304.87	25	114.30		9.47	8	
	Mandaluyong	- -									
MDL-2068	GENERAL MILK #4	- -		/ /71	304.87	20	122.00	158.54	6.31	4	
	Mandaluyong	- -									
MDL-2069	SAN MIGUEL CORP.	14- 35- 9	SHAMROCK	/ /80	304.87	20	65.54	139.94	10.54	4	
	Mandaluyong	121- 3- 25									

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MDL-2070	Phil. Rock Products, Inc.	- -	HYDRO	/ /88						8	
		- -									
MDL-2071	Noahs Ark Sugar Refinery #3	14- 34- 23		/ /					6.94	4	1
	Ilang-Ilang St. Ayala Compound	121- 2- 7									
MDL-2072	Noahs Ark Sugar Refinery #1	14- 34- 11		/ /					6.94	4	1
	Bo. Hulo	121- 2- 4									
MDL-2073	Noahs Ark Sugar Refinery #4	14- 34- 11		/ /					5.52	4	1
	Bo. Hulo	121- 2- 3									
MDL-2074	Noahs Ark Sugar Refinery #5	14- 34- 10		/ /					5.08	4	1
	Bo. Hulo	121- 2- 1									
MDL-2075	Phil. Integrated Exporter	14- 34- 49		/ /					4.20	3	1
	Punzalan St.	121- 2- 37									
MDL-2076	Mandaluyong Municipal Hall	14- 34- 43		/ /					0.32	2	1
	Maysilo St.	121- 1- 58									
MDL-2077	CARDINAL SANTOS MEMORIAL HOSPITAL	- -	LOPEZ	/ /65						2	
	Wilson St., Mandaluyong	- -									
MDL-2078	Cardinal Santos Hospital	- -		/ /65	109.75		27.13		4.60	2	
		- -									
MDL-2079	Corinthian Garden	- -		/ /77	274.44		38.10	76.16	25.88	1	
		- -									
MDL-2080	San Carlos Glass	- -		/ /68	183.00		24.70	36.98	7.00	8	
		- -									
MDL-2081	Welfare Village	- -		/ /55	57.32		10.37	20.87	1.26	1	
		- -									
MDL-2082	Welfare Village	- -		/ /60	281.00		21.34	58.61	8.20	1	
		- -									
MDL-2083		- -		/ /70			14.63	19.96	0.32	1	
	Mabini & Villarica Sts.	- -									
MDL-2084	Mandaluyong Tank	- -		/ /66	211.58					1	
		- -									
MDL-2085	National Mental Hospital	- -		/ /79			56.40	91.13	3.03	2	
		- -									
MDL-2088		14- 35- 3		/ /80	304.90		65.50	139.90	10.50	1	
	Ortigas Ave.	121- 6- 43									
MDL-2089		14- 35- 26		/ /83	152.40		30.50	136.50	2.78	1	
	Ortigas Ave.	121- 1- 37									
MDL-2090	United Laboratories	14- 34- 47		/ /		20	66.94			5	2
	United St., Mandaluyong	121- 3- 11									
MDL-2091	Sambahayan Condominium Inc.	14- 34- 23		/ /		25	35.70			1	3
	Makaturing Cor. Kapok, Mandaluyong	121- 2- 25									
MKT-1001	SAN MIGUEL VILLAGE #1	14- 34- 11	Rexwell	/ /77	245.40	30	22.60	69.50	14.50	1	2
	F. Zobel, San Miguel Village	121- 1- 30									
MKT-1002	REPOSO COR. JUPITER #8	14- 33- 52	Rexwell	11/18/59	192.90	25	30.78	89.30	10.40	1	2
	Reposo cor. Jupiter, Bel Air, Ph. II	121- 1- 14									
MKT-1003	URDANETA VILLAGE #10A	14- 33- 25	Wells & Pumps	02/13/68	246.49	36	37.80	61.90	64.00	1	2
	Urdaneta Village, Makati, M.M.	121- 1- 17									
MKT-1004	HYDRA COR. SOLAR #11	- -	Rexwell	/ /61	0.11	30	79.80	115.80	3.78	1	2
	Hydra cor. Solar, Bel Air	- -									

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MKT-1005	TINDALO COR AMORSOLO #19	14- 33- 51	Rexwell	/ /77	307.90	30	15.85	42.10	17.96	1	2
	Tindalo cor. Amorsolo, Makati, M.M.	121- 0- 45									
MKT-1006	JUPITER COR. CANOPUS #20	14- 33- 38	Condrill	/ /64	213.40	30	47.60	52.20	9.45	1	2
	Jupiter cor. Canopus, Bel Air,	121- 2- 10									
MKT-1007	JUPITER COR. POLARIS #22	14- 33- 50	Wells & Pumps	08/26/64	304.15	30	32.30	83.80	10.71	1	2
	Jupiter cor. Polaris, Bel Air I	121- 1- 39									
MKT-1008	ZODIAC COR. ESTRELLA #25	14- 33- 44	Wells & Pumps	11/05/64	219.50	30	28.35			1	3
	Zodiac Cor. Estrella, Bel Air, III	121- 2- 20									
MKT-1009	DELA ROSA COR HERRERA #28	14- 33- 46	Condrill	/ /65	205.79	30	10.00	62.19	30.00	1	2
	Dela Rosa cor. Herrera, Makati, M.M.	121- 1- 8									
MKT-1010	AGUIRRE COR. SALCEDO #29	14- 33- 14	Wells & Pumps	/ /66	304.87	30	30.79	61.26	33.52	1	2
	Salcedo cor. Aguirre St., Makati,	121- 0- 53									
MKT-1011	JUPITER COR. PLANET #31	14- 33- 38	Wells & Pumps	10/20/66	213.40	30	19.08	38.03	37.80	1	2
	Jupiter cor. Planet, Bel Air	121- 1- 52									
MKT-1012	MAKATI AVE., COR GREENBELT DR. #33	14- 33- 12	Condrill	/ /77	228.35	30	32.92	59.76	8.95	1	2
	Makati Ave., cor. Greenbelt Drive	121- 1- 2									
MKT-1013	RECOLETOS COR. REAL #35	14- 33- 9	Pacheco	03/20/70	341.46	40	53.04	124.40	40.30	1	3
	Recoletos cor. Real, Makati, M.M.	121- 1- 42									
MKT-1014	FORBES PARK #10	14- 32- 41		/ /					13.88	1	2
	Fort Bonifacio, Makati, M.M.	121- 1- 49									
MKT-1015	FORBES PARK #9	14- 32- 35		/ /					12.40	1	1
	Fort Bonifacio, Makati, M.M.	121- 2- 8									
MKT-1016	FORBES PARK #8	14- 32- 54	Rexwell	/ /61	215.80	30	19.50	43.90	32.76	1	1
	Fort Bonifacio, Makati, M.M.	121- 1- 59									
MKT-1018	FORBES PARK #13	- -		/ /					11.11	1	2
	Fort Bonifacio, Makati, M.M.	- -									
MKT-1019	FORBES PARK #11	14- 33- 4		/ /					15.74	1	1
	Fort Bonifacio, Makati, M.M.	121- 2- 11									
MKT-1020	MAKATI ELEMENTARY SCHOOL	14- 34- 12	Lopez	/ /80	274.00	25	78.00	127.00	12.30	1	1
	Makati Elem. School, Poblacion	121- 1- 42									
MKT-1021	FORBES PARK #12	14- 32- 15		/ /					12.04	1	1
	Fort Bonifacio, Makati, M.M.	121- 2- 5									
MKT-1022	FORBES PARK #14	14- 33- 25		/ /					6.48	1	2
	Fort Bonifacio, Makati, M.M.	121- 2- 18									
MKT-1023	MWSS #2	14- 32- 36		/ /	204.00		20.00	37.00	9.00	1	1
	Forbes Park	121- 2- 41									
MKT-1024	ECOLOGY VILLAGE	14- 32- 24	PIWDC	05/01/80	305.00		57.00		7.90	1	1
	Ecology Village, Pasong Tamo Ext.	121- 1- 19									
MKT-2003	Ayala #17	- -		/ /69					17.59	1	
		- -									
MKT-2004	Ayala #3	- -		/ /					13.89	1	
		- -									
MKT-2005	MAKATI DEVELOPMENT CORPORATION	- -	Shamrock	11/18/80					11.11	3	
	Greenbelt Square, Makati Comm. Center	- -									
MKT-2006	Ayala Investment & Development Corp.	14- 33- 12	Shamrock	07/16/80	304.88		54.88	102.74	10.18	1	
	Ayala Avenue, Makati	121- 1- 37									
MKT-2007	Eurovilla Realty and Dev. Corp.	14- 33- 40	Continental	09/30/82	305.00	20	31.10	68.41	11.55	1	
	Villar St., Salcedo Village	121- 1- 25									

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MKT-2008	Mandarin Hotel	14- 33- 39 121- 0- 33		/ /75	182.80		24.40		8.50	3	
MKT-2009	Delta Motors Pasong Tamo	- - - -		/ /					7.40	1	
MKT-2010	CNC Investment	- - - -		/ /80	274.30		29.00		10.70	1	
MKT-2011	FORBES PARK ASSOCIATION (AYALA #2) Talisay Road, Forbes Park North	- - - -	Wells & Pumps	04/28/64	205.48	30	39.60	45.70	14.20	1	
MKT-2012	AYALA CORPORATION #5 Magallanes Village, Makati, M.M.	- - - -	Rexwell	04/16/63	213.40	30	10.67		11.11	1	
MKT-2013	AYALA CORPORATION #7 Ayala Compound, Makati, M.M.	- - - -	Rexwell	10/15/59	190.80	25	4.57	28.96	42.84	1	
MKT-2014	FORBES PARK ASSOCIATION (AYALA #9) McKinley Road, Forbes Park North	- - - -	Rexwell	05/01/60	204.30	35	11.60	30.20	26.80	1	
MKT-2015	Ayala Corp. Urdaneta Village	- - - -	Rexwell	/ /60	199.10	25	44.19	72.56	15.75	1	3
MKT-2016	FORBES PARK ASSOCIATION (AYALA #12) Pili Ave., Forbes Park, Makati, M.M.	- - - -	Rexwell	04/27/61	215.80	30	19.50	43.90	32.76	1	
MKT-2017	FORBES PARK ASSOCIATION (AYALA #13) Forbes Park North, Phase 3, Cambridge Circle, Makati, M.M.	- - - -	Rexwell	03/05/62	305.50	30	16.76	47.25	32.00	1	
MKT-2018	AYALA CORPORATION #14 Kayamanan C Subdivision, Makati	- - - -	Rexwell	07/01/62	309.45	30	13.72	32.62	32.70	1	
MKT-2019	AYALA CORPORATION #15 Magallanes Village, Phase I, Makati	- - - -	Rexwell	02/23/63	214.00	30	9.15		31.48	1	
MKT-2020	FORBES PARK ASSOCIATION (AYALA #16) Tamarind Road, Forbes Park, Makati	- - - -	NWSA	10/01/63	202.70	30	28.04	50.61	30.24	1	
MKT-2021	AYALA CORP. PALM C SUBDIVISION Palm C Subdivision, Makati, M.M.	- - - -	Rexwell	/ /64	295.73	30	27.90			1	3
MKT-2022	AYALA CORPORATION #21 Tamarind Rd. Ext., Desmarinas Village	- - - -	Rexwell	03/17/64	263.40	30	15.00		30.00	1	
MKT-2023	AYALA CORPORATION #23 Ayala Commercial Center, Makati	- - - -	Wells & Pumps	10/12/64	304.80	30				1	2
MKT-2024	AYALA CORPORATION #24 Behind Dona Narcisa Bldg. Paseo de Roxas, Makati, M.M.	14- 33- 33 121- 1- 19	Shamrock	07/08/64	285.67	30	6.71	34.14	10.33	1	
MKT-2025	AYALA CORPORATION #25 Ponce St., San Lorenzo Village	- - - -		02/01/65	214.32	30	11.00	29.96	36.00	1	
MKT-2026	AYALA CORPORATION #27 Real St., Urdaneta Village, Makati	- - - -	Wells & Pumps	04/01/65	222.56	30	38.10	20.50		1	2
MKT-2027	AYALA CORPORATION #30 Amorsolo St., San Lorenzo Village	- - - -	Wells & Pumps	03/21/66	227.13	30	51.82	74.39		1	2
MKT-2028	AYALA CORPORATION #32 Salcedo Village, Makati, M.M.	- - - -	Wells & Pumps	09/06/77	283.80	36	26.16	59.12		1	2
MKT-2029	AYALA CORPORATION #34 Rizal Subdivision, Makati, M.M.	- - - -	Wells & Pumps	/ /68	201.22	30	9.00	42.27	11.00	1	
MKT-2030	AYALA CORPORATION #36 Bel Air Park, Bel Air Phase 3	- - - -	Wells & Pumps	11/06/70	309.45	40	35.06	79.27	6.00	1	

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MKT-2031	AYALA CORPORATION #37 Magallanes Village, Makati, M.M.	- - - -	Shamrock	04/29/74	213.40	30	35.36	61.89	22.36	1	
MKT-2032	AYALA CORPORATION #38 Ayala Triangle, Makati, M.M.	- - - -	Shamrock	/ /74	304.87	30	19.92	67.68	26.21	1	
MKT-2033	AYALA CORPORATION #39 Desmarinas Village, Makati, M.M.	- - - -	Shamrock	01/07/76	274.39	30	54.87	104.26	22.24	1	
MKT-2034	AYALA CORPORATION #40 Mahogany cor. Acacia St., Desmarinas Village, Makati, M.M.	14- 32- 32 121- 1- 50	Shamrock	02/01/77	304.87	30	62.50	164.63	22.05	1	
MKT-2035	AYALA CORPORATION #41 South Super Hi-way, Magallanes Vill.	- - - -	Shamrock	/ /77	213.40	30	24.40	62.50	25.96	1	2
MKT-2036	ABOITIZ & CO. Makati, M.M.	14- 33- 21 121- 1- 8	Ketwell	/ /79	304.87	15	22.56	48.25	13.86	1	
MKT-2037	AFP FORT BONIFACIO NEAR HOSPITAL Fort Bonifacio near Hospital, Makati	- - - -	BPW	/ /65	213.41	20	36.58	41.16	4.10	2	
MKT-2038	BONIFACIO GOLF COURSE Fort Bonifacio, Makati, M.M.	14- 33- 09 121- 2- 52	Lopez	/ /72		15			6.48	1	
MKT-2039	FORT BONIFACIO (RDC #2) Makati, M.M.	- - - -	Feisco Inc.	10/10/75	243.90				4.52	2	
MKT-2040	POLICE COMMISSION FORT BONIFACIO Makati, M.M.	- - - -	Shamrock	/ /73	213.41	20	46.34	58.84	8.19	2	
MKT-2041	TENEMENT HOUSING FORT BONIFACIO Tenement Housing, Fort Bonifacio	- - - -	BPW	/ /65	214.90		21.34	28.96	12.60	2	
MKT-2042	AFP PUMP #15 South Super Hi-way, Makati, M.M.	- - - -	BPW	/ /58	100.61		21.34		16.00	2	
MKT-2043	B.A. Lepanto Building Corporation Bank of America, Paseo de Roxas	14- 33- 34 121- 1- 25	Shamrock	05/07/79	304.90	20	18.29	60.80	7.00	3	
MKT-2044	Bank of Philippine Islands Ayala Avenue, Makati	14- 33- 47 121- 1- 30	Shamrock	/ /77	304.87	20	22.25	59.15	29.67	3	
MKT-2045	CHINA BANKING CORPORATION Paseo de Roxas, Makati, M.M.	- - - -	Shamrock	03/21/80	274.40	20	25.30	78.35	9.01	3	
MKT-2046	COLGATE PALMOLIVE #1 J.P. Rizal Ave., Makati, M.M.	- - - -	Shamrock	/ /50	307.90	20			8		3
MKT-2047	COLGATE PALMOLIVE #2 J.P. Rizal Ave., Makati, M.M.	14- 34- 6 121- 2- 16	Shamrock	11/20/61	305.20	30	23.80	53.66	12.54	8	
MKT-2048	COLGATE PALMOLIVE #3 J.P. Rizal Ave., Makati, M.M.	14- 34- 121- 2- 17	Shamrock	/ /63	396.34	30	82.32	118.90	8.19	8	
MKT-2049	COLGATE PALMOLIVE #4 J.P. Rizal Ave., Makati, M.M.	14- 34- 3 121- 2- 12	Shamrock	/ /59	329.30	25	20.93	136.48	5.54	8	
MKT-2050	CONSOLIDATED FINANCING CORPORATION South Super Hi-way, Makati, M.M.	- - - -	Pyramid	08/31/71	243.90	20	21.34	85.36	13.86	1	
MKT-2051	MR. E. DEL ROSARIO DASMARINAS VILL. Desmarinas Village, Makati, M.M.	- - - -	Acoje	05/30/72	213.40	15	109.76	129.60	2.52	1	
MKT-2052	Donya Narcisa De Leon Paseo de Roxas, Makati	14- 33- 35 121- 1- 22	Shamrock	03/08/79	260.67	20	26.52	74.70	13.06	1	
MKT-2053	ESSO GAS STATION Vito Cruz cor. Kamagong, Makati	- - - -	Pyramid	/ /67		10	14.33	37.50	2.52	3	
MKT-2054	Filipinas Life Assurance Company Ayala Avenue , Makati	14- 33- 35 121- 1- 0	Admaco	06/10/79	304.87	20	21.65		2.77	1	

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MKT-2055	MR. ROJAS, BATUTE ST., TEJERON	- -	Lopez	/ /69	24.39	10	1.22		0.30	1	
	Batute St., Tejeron, Makati, M.M.	- -									
MKT-2056	GILARMI COMPOUND	- -	PIWDC	03/02/79	304.87	25	30.48	51.83	10.18	1	
	Ayala, Makati, M.M.	- -									
MKT-2057	HOTEL INTERCONTINENTAL	14- 33- 08	Shamrock	/ /70	304.87	30			18.51	1	
	Ayala Ave. cor., EDSA, Makati, M.M.	121- 1- 36									
MKT-2058	INSULAR LIFE	- -	Original	/ /78	304.87	30			17.70	1	
	Paseo de Roxas cor. Ayala Ave.	- -									
MKT-2059	KODAK PHILS. LTD.	14- 32- 42	Shamrock	/ /61	182.90	20	7.67	12.20	18.90	8	
	2247 Pasong Tamo Ext., Makati, M.M.	121- 0- 52									
MKT-2060	LA FUERZA, INC.	- -	Shamrock	/ /59	230.80	20	6.10	7.62	3.78	1	
	Pasong Tamo Ext., Makati, M.M.	- -									
MKT-2061	Makati Medical Center	14- 33- 38		/ /82	244.00	25	12.20	37.50	2.90	2	
	Dela Rosa corner Amorsolo Street	121- 0- 49									
MKT-2062	MAKATI SQUARE CINEMA	- -	PIWDC	07/19/79	243.90	30	7.62	40.24	24.57	3	
	Ayala, Makati, M.M.	- -									
MKT-2063	MANILA GARDEN HOTEL	14- 32- 58	Shamrock	/ /76	304.87	25	36.90	59.45	34.55	1	
	Pasay Rd. cor. Ayala Ave., Makati	121- 1- 29									
MKT-2064	Manila Peninsula Hotel	14- 33- 24	Shamrock	/ /76	304.87	20	54.80	53.66	15.70	3	
	Ayala Cor. Makati Ave.	121- 1- 27									
MKT-2065	NATIONAL LIFE INSURANCE COMPANY	14- 35- 23	Shamrock	07/22/77	304.87	20	23.47	56.40	29.67	1	
	Siketuna Bldg., Ayala Ave., Makati	121- 1- 14									
MKT-2066	RICARDO NG	- -	Lopez	06/13/70	152.44	15	25.44			1	
	Makati, M.M.	- -									
MKT-2067	PFIZER LABORATORIES (PHILS.) INC.	- -		/ /60	193.30	20	3.05	12.20	12.60	5	
	Molave, Ayala, Makati, M.M.	- -									
MKT-2068	PAN ASEAN MULTI RESOURCES CORP.	- -		01/28/80	243.90	20	15.24	35.50	9.45	1	
	Amorsolo cor. Herrera, Makati M.M.	- -									
MKT-2069	MERALCO #2	- -		/ /48	185.98					8	3
	J.P. Rizal Ave., Makati, M.M.	- -									
MKT-2070	MERALCO #3	14- 35- 55		/ /48	185.98	23				8	3
	Rockwell Steam Generating Station.	121- 2- 07									
	J.P. Rizal Ave., Makati, M.M.										
MKT-2071	MERALCO #4	- -		/ /69	306.70	34				8	3
	Rockwell Steam Generating Station.	- -									
	J.P. Rizal Ave., Makati, M.M.										
MKT-2072	MERALCO #1	- -		03/23/48	189.02	23	5.20	23.47	6.30	8	
	Rockwell Steam Generating Station.	- -									
	J.P. Rizal Ave., Makati, M.M.										
MKT-2073	SAN MIGUEL CORPORATION	14- 33- 3	PIWDC	09/02/78	243.90	20	13.72	25.90	13.86	4	
	PASAY ROAD, MAKATI	121- 0- 37									
MKT-2074	TRADEWINDS HOTEL	- -	Condrill	11/09/75	304.87	20	36.30	76.22	8.19	1	
	South Super Hi-way, Makati, M.M.	- -									
MKT-2075	Wyeth-Suaco Laboratory Incorporated	14- 32- 52	Wells & Pumps	/ /71	228.66	20	47.10	69.92	9.83	5	
	2230 Pasong Tamo Extension, Makati	121- 0- 44									
MKT-2076	WYETH SUACO #2	- -		/ /					10.00	5	
	Pasong Tamo, Makati, M.M.	- -									
MKT-2077	AMERICAN WIRES & CABLE	- -	Nation	/ /60	245.42	25	32.62		9.50	8	
	Pasong Tamo, Makati, M.M.	- -									

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MKT-2078	MANILA POLO CLUB #1	- -		/ /67	259.50	25	32.93	60.98	6.48	1	
	Makati, M.M.	- -									
MKT-2079	MARSMAN & COMPANY	- -	PIWDC	03/01/80	304.87	20	62.50	137.20	4.10	1	
	Tindalo St., cor. Washington St.	- -									
MKT-2080	FIRESTONE RECAPPING PLANT	- -		/ /	160.67	15	6.10	45.70	15.00	8	
	Pasong Tamo, Makati, M.M.	- -									
MKT-2081	FORT BONIFACIO POST ENG'R. WELL #1	14- 32- 09		/ /77	192.07	20	20.50		6.30	2	
	Fort Bonifacio, Makati, M.M.	121- 2- 17									
MKT-2082	FORT BONIFACIO POST ENG'R. WELL #2	14- 32- 07		/ /78	192.07	20	48.78			2	3
	Fort Bonifacio, Makati, M.M.	121- 2- 19									
MKT-2083	FORT BONIFACIO POST ENG'R. WELL #3	14- 32- 15		/ /78	192.07	20	54.87		6.30	2	
	Fort Bonifacio, Makati, M.M.	121- 2- 40									
MKT-2084	FORT BONIFACIO POST ENG'R. WELL #4	14- 31- 57		/ /78	182.90	20	42.70		6.30	2	
	Fort Bonifacio, Makati, M.M.	121- 2- 46									
MKT-2085	FORT BONIFACIO POST ENG'R. WELL #5	14- 20- 85		/ /79	235.40	20	60.97		12.60	2	
	Fort Bonifacio, Makati, M.M.	121- 2- 32									
MKT-2086	FORT BONIFACIO POST ENG'R. WELL #6	14- 32- 53		/ /80	189.00	20	52.00		12.60	2	
	Fort Bonifacio, Makati, M.M.	121- 3- 16									
MKT-2087	FORT BONIFACIO POST ENG'R. WELL #7	14- 32- 05		/ /81	182.90	20	137.20		12.60	2	
	Fort Bonifacio, Makati, M.M.	121- 2- 42									
MKT-2088	FORT BONIFACIO POST ENG'R. WELL #8	14- 32- 53		/ /80	243.90	20	39.62	45.00	18.90	2	
	Fort Bonifacio, Makati, M.M.	121- 3- 09									
MKT-2089	FORT BONIFACIO POST ENG'R. WELL #9	- -		/ /77	136.90	20	60.97		10.18	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2090	FORT BONIFACIO WELL #10	- -		/ /			52.50		8.33	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2091	FORT BONIFACIO WELL #11	- -		/ /	143.90	20	60.97		6.30	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2092	FORT BONIFACIO WELL #12	- -		/ /	182.90	20	45.73	91.46	11.11	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2093	FORT BONIFACIO WELL #13	- -		/ /					12.03	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2094	FORT BONIFACIO WELL #14	- -		/ /			73.17		11.11	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2095	PHILIPPINE NAVY WELL #1	- -		/ /					9.25	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2096	PHILIPPINE NAVY WELL #2	- -		/ /						2	2
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2097	PHILIPPINE NAVY WELL #3	- -		/ /					8.33	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2098	PHILIPPINE NAVY WELL #4	- -		/ /					6.48	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2099	PHILIPPINE NAVY WELL #5	- -		/ /					7.40	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2100	PHILIPPINE NAVY WELL #6	- -		/ /					8.33	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2101	FORT BONIFACIO WELL #9A	- -		/ /					7.40	2	
	Fort Bonifacio, Makati, M.M.	- -									

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MKT-2102	PNOC, FORT BONIFACIO	14- 33- 11		/ /					6.48	2	
	Fort Bonifacio, Makati, M.M.	121- 3- 29									
MKT-2103	PMMA, FORT BONIFACIO	- -		/ /					3.70	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2104	TRACOM #1, FORT BONIFACIO	- -		/ /						2	3
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2105	TRACOM #2, FORT BONIFACIO	- -		/ /					2.77	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2106	CGSP, FORT BONIFACIO	- -		/ /					5.55	2	
	Fort Bonifacio, Makati, M.M.	- -									
MKT-2107	Manila Polo Club	14- 32- 49		/ /					3.00	3	
	Forbes Park	121- 2- 21									
MKT-2108	MANILA POLO CLUB #2	14- 32- 40		/ /					3.00	1	
	Forbes Park, Fort Bonifacio, Makati	121- 2- 25									
MKT-2109	MANILA POLO CLUB #3	14- 32- 45		/ /					6.00	1	
	Forbes Park, Fort Bonifacio, Makati	121- 2- 19									
MKT-2110	RDC #1	- -		/ /					6.48	8	
		- -									
MKT-2111	Kodak Philippines #2	14- 32- 41		/ /78	304.88				8.33	8	
	Makati	121- 0- 53									
MKT-2112	Forbes Park #1	- -		/ /					12.03	1	3
		- -									
MKT-2113	INTEL PHILS. MANUFACTURING CORP. #1	14- 32- 40		/ /						8	2
	Bangkal, Makati, M.M.	121- 0- 43									
MKT-2114	INTEL PHILS. MANUFACTURING CORP. #2	14- 32- 40	Condrill	05/13/77	304.87	20	16.00		9.50	8	
	Bangkal, Makati, M.M.	121- 0- 43									
MKT-2115	MINOR SEMINARY	- -		/ /					1.00	2	
	Guadalupe, Makati, M.M.	- -									
MKT-2116	GOODYEAR	- -		/ /59	130.20		3.05		10.00	8	
	Guadalupe, Makati, M.M.	- -									
MKT-2117	Citibank	14- 33- 28	Shamrock	01/07/79	310.97	20	39.63	71.24	8.32	3	
	Paseo de Roxas, Makati	121- 01- 22									
MKT-2118	IBM Philippines	- -		/ /					1.85	1	
		- -									
MKT-2119	SOLID BANK	- -		/ /					1.85	1	
	Makati, M.M.	- -									
MKT-2120	TRAVELLER'S INN	14- 33- 54	Shamrock	08/12/80	213.42	15	45.73	61.89	13.23	3	
	Makati Ave., Makati, M.M.	121- 1- 40									
MKT-2121	DUTCH BOY PAINTS	- -		/ /75					9.25	5	
	Makati, M.M.	- -									
MKT-2122	Fort Bonifacio #15	- -		/ /					16.67	2	3
	Libingan ng mga Bayani	- -									
MKT-2123	Interbank	- -		/ /80	305.00		27.50	8.30	6.48	1	
	Legaspi Cor. Paseo de Roxas	- -									
MKT-2124	URDANETA APARTMENTS	14- 33- 10	SHAMROCK	/ /81	305.00		71.65	116.46	7.57	1	
	AYALA AVE., MAKATI	121- 1- 39									
MKT-2125	Justine Realty & Mgt. Corp.	14- 33- 44	DCA	11/05/81	305.00	20	34.70		17.34	1	
	Dela Costa Street, Salcedo Village	121- 1- 28									

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MKT-2126	CTM Mgt. Corp. Makati Avenue	14- 33- 27 121- 1- 23	DCA	09/15/81	304.88	20			18.10	1	
MKT-2127	Rosario Investment Inc. 2129 Pasong Tamo cor. Dela Rosa St.	14- 33- 34 121- 0- 40	DCA	06/29/82	304.00	20	25.50		11.00	1	
MKT-2128	Ritz Towers Ayala Avenue, Makati	14- 33- 17 121- 1- 30	DCA	08/22/82	304.88	20	60.96	101.89	12.20	3	
MKT-2129	Atrium of Makati (Sanpiro Realty) Real Street. Makati Avenue	14- 33- 32 121- 1- 28	DCA	/ /82	307.93	20	64.79	79.68	12.74	1	
MKT-2130	CJY Development Corporation C.J. Yulo Townhomes, Don Bosco St.	14- 32- 57 121- 0- 44	Orbit Wells	07/13/83	243.90	20	42.97	62.50	13.36	1	
MKT-2131	BANCO FIL. SAVINGS & MORTGAGE BANK Makati M.M.	- - - -	PIWDC	06/01/83	305.00	25	39.15	91.97	14.19	1	
MKT-2132	LIROVILLE APARTMENT BUILDING Alfaro cor. Sedano, Salcedo Village	- - - -	PIWDC	07/27/83	305.00	20	43.10	92.60	7.60	1	
MKT-2133	ERMITA TOURIST DEVELOPMENT CORP. Escarpment Road, Lot 2, Pasig, M.M.	- - - -	PIWDC	02/19/85	210.00	20	82.90	98.80	7.98	1	
MKT-2134	Population Center Foundation Inc. PCF Compound, South Super Hi-Way	14- 31- 48 121- 1- 23	PIWDC	01/27/86	244.00	20	78.94	111.25	14.20	1	
MKT-2135	Colgate Palmolive JP Rizal Ave.	- - - -	Hydro-Wells	/ /86						8	
MKT-2136	Star Pacific Bldg., Rep. of Nauru Gil Puyat Avenue cor. Makati Avenue	14- 33- 18 121- 0- 26	Hydro-Wells	09/01/88	304.88	25	34.10	82.41	7.76	1	
MKT-2137	MANILA GOLF & COUNTRY CLUB INC. #3 Forbes Park, Makati, M.M.	- - - -	PIWDC	04/01/89	305.00	30	42.68	138.10	3.81	1	
MKT-2138	Pacific Plaza Inc. Ayala Ave.	- - - -	V. Romero	/ /90						3	
MKT-2139	Jaka Investment Corporation Pasong Tamo, Makati	14- 33- 40 121- 0- 42	Orbit Wells	09/01/83	274.40		53.35		0.39	1	
MKT-2140	CTM MANAGEMENT CORP. Alfaro Cor. Toledo, Salcedo Village	14- 33- 42 121- 1- 22	AQUA LINE	03/01/88					0.43	3	
MKT-2141	Intel Philippines Bangkal, Makati	14- 32- 37 121- 0- 48	Condrill	12/05/77	305.00		15.00	43.11	30.00	8	
MKT-2142	Ayala Corp. Ayala Compound	14- 33- 13 121- 1- 10		/ /					5.00	1	
MKT-2143	San Miguel Corporation Pasay Road , Makati	14- 33- 8 121- 0- 36	PIWDC	/ /80	304.80		28.96	25.91	25.20	4	
MKT-2144	Ancient Equipment Kakarong	14- 33- 54 121- 1- 9		/ /					0.09	1	
MKT-2145	Ancient Equipment South Ave.	14- 33- 54 121- 1- 8		/ /					0.12	1	
MKT-2146	T.R.C.F. Pasong Tamo	14- 32- 0 121- 1- 24		/ /					2.80	1	
MKT-2147	BP Savings Ayala Ave.	14- 33- 38 121- 1- 2		/ /					2.90	1	
MKT-2148	Producers Property Mgmt. Inc. Producers Bank Bldg. Paseo de Roxas	14- 33- 36 121- 1- 27		02/25/84	304.88		73.00	90.00	9.02	3	
MKT-2149	R. Venture Company Rizal Village	14- 34- 29 121- 1- 28		/ /					1.00	1	

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MKT-2150	Fort Bonifacio Golf & Country Club Hole #8	14- 33- 9 121- 2- 52		/ /					10.09	2	1
MKT-2151	Fort Bonifacio Golf & Country Club Hole #5	14- 33- 9 121- 2- 52		/ /					11.35	2	1
MKT-2152	Fort Bonifacio Golf & Country Club Hole #6	14- 33- 9 121- 2- 52		/ /					10.41	2	1
MKT-2153	Fort Bonifacio Golf & Country Club Near Office	14- 32- 52 121- 2- 43		/ /					10.09	2	1
MKT-2154	Intel Phils. Manufacturing, Inc. #3 Apolinario St., Bangkal	14- 32- 40 121- 0- 43		/ /					8.39	8	1
MKT-2156	Intel Phils. Manufacturing, Inc. #4 Apolinario St., Bangkal	14- 32- 40 121- 0- 43		/ /					10.41	8	1
MKT-2157	Nutrition Center of the Philippines Villamor Interchange, SSHi-way	14- 31- 53 121- 1- 27		/ /					5.70	2	1
MKT-2158	Tierra Development Corporation Mercedes Street, Makati	14- 33- 56 121- 1- 41	Shamrock	11/25/78	121.95					1	
MKT-2159	Citibank N.A. Bldg. Paseo de Roxas	14- 33- 36 121- 1- 27	Shamrock	/ /79	310.98	20	39.63	71.24	8.33	1	1
MKT-2160	A. Landmark MCC, Makati	- - - -		09/01/87	305.00	20	30.18	47.87	12.43	3	
MKT-2161	International Corporate Bank Paseo de Roxas, Makati	- - - -	Condrill	11/01/80	304.88	20	27.54	50.25	8.33	3	
MKT-2162	Makati Supermarket Corp. Makati, Commercial Center	- - - -	Sercon	12/01/86	243.90	20				3	
MKT-2163	Manila Garden Hotel Pasay Road, Makati	- - - -		/ /76	216.30		53.30			3	
MKT-2164	Olympia Subdivision Makati	- - - -	Sercon	03/25/76	274.39	30	38.11	91.46		1	
MKT-2165	J.V. Santos Comm'l. Corp. P. Burgos corner Calderon, Makati	14- 33- 53 121- 1- 37		02/01/79	91.43	10	26.52	42.68	1.58	3	
MKT-2166	Integrated Property Management Corp. Urdaneta Apartments, Ayala Ave.	14- 33- 10 121- 1- 39	Shamrock	07/03/81	304.88		71.65	116.46	7.57	1	
MKT-2167	Bel Air	- - - -		/ /81			79.80	115.80	3.78	1	
MKT-2168	De la Rosa St.	14- 33- 37 121- 0- 47		/ /82	243.90		12.20	37.20	11.36	1	
MKT-2169	Don Bosco	- - - -		/ /69	183.00		16.00		2.90	1	
MKT-2170	Eastern Telecom Buendia	- - - -		/ /81	305.00		50.30	72.90	33.00	3	
MKT-2172	Filipinas Life Bldg.	- - - -		/ /79	304.80		2.00	28.86	9.40	3	
MKT-2173	Forbes Park	- - - -		/ /61	215.80		19.50	43.95	32.76	1	
MKT-2174	IBM Phils.	14- 33- 29 121- 1- 21		/ /78	213.40					3	
MKT-2175	IBM Phils.	- - - -		/ /78	213.36		33.56	56.06	9.00	3	

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MKT-2176	Ayala Corporation	- -		/ /74	213.40		35.36	61.98	22.36	1	
	Magallanes Village	- -									
MKT-2177	Makati Ave. cor. Greenbelt Drive	- -		/ /77	228.35		32.92		0.10	1	
		- -									
MKT-2178	Makati Cinema Square	- -		/ /79	243.90		7.62		0.32	3	
	Ayala	- -									
MKT-2179	Makati Medical Center	- -		/ /68	213.40		43.30		10.60	3	
	Dela Rosa St., Makati	- -									
MKT-2180	Manila Peninsula #2	- -		/ /80	304.80		54.80	85.48	22.70	3	
		- -									
MKT-2181		14- 33- 56		/ /78	121.95					1	
	Mercedes St.	121- 1- 41									
MKT-2182	Metro Bank	- -		/ /77	304.80		44.20		29.60	1	
	Buendia	- -									
MKT-2183	National Life Insurance, Co.	- -		/ /77	304.87		23.47	56.44	29.67	3	
	Sikatuna Bldg., Ayala	- -									
MKT-2184		14- 33- 53		/ /	91.43		26.52			1	
	P. Burgos cor. Calderon	121- 1- 37									
MKT-2185	PB Com Bldg.	- -		/ /80	304.80		29.00	61.42	10.70	3	
	Ayala	- -									
MKT-2186	Packaging Products Corporation	14- 33- 8		/ /78	243.90		13.72	25.92		8	
	Pasay Road	121- 0- 38									
MKT-2187	San Miguel Corporation	- -		/ /78	1.14				13.88	4	
	Pasay Road	- -									
MKT-2188		14- 33- 35		/ /79	260.67		26.52	74.69	13.06	1	
	Paseo de Roxas	121- 1- 22									
MKT-2189	Bank of America	14- 33- 34		/ /79	304.90		18.29	65.39	7.63	3	
	Paseo de Roxas	121- 1- 35									
MKT-2190	Filinvest Development Corp.	14- 33- 25		/ /78	304.80		38.11	84.45	9.47	3	
	Paseo de Roxas	121- 1- 23									
MKT-2191	N. de Leon	14- 33- 40		/ /79	260.67		26.52	74.69	13.06	3	
	Paseo de Roxas	121- 1- 24									
MKT-2193		- -		/ /61	182.90		7.67	12.25	18.90	3	
	Pasong Tamo	- -									
MKT-2194		14- 33- 40		/ /83	274.40		53.35			3	
	Pasong Tamo Cor. Tindalo St.	121- 0- 42									
MKT-2195	Philcom	- -		/ /72	243.80		54.20	95.29	9.45	3	
		- -									
MKT-2196	Philcom	- -		/ /72	244.00		54.00	94.87	9.40	3	
		- -									
MKT-2197	Poblacion	14- 35- 50		/ /80	274.39		78.05		12.94	1	
		121- 1- 40									
MKT-2198	Ayala Corporation	- -		/ /65	214.32		11.00	26.00	36.00	1	
	Ponce St., San Lorenzo Village	- -									
MKT-2199	Salcedo Village	14- 33- 44		/ /84			36.00		8.20	1	
	San Agustin St.	121- 1- 1									
MKT-2200	SECURITY BANK & TRUST CO.	- -		/ /80	304.80		54.80		18.20	1	
	Ayala Ave., Makati, M.M.	- -									
MKT-2206	MANILA PENINSULA HOTEL	- -	Shamrock	04/05/75						1	
	Ayala Ave. cor. Makati Ave., Makati	- -									

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MLB-1001	MWSS Catmon	14- 40- 3	PACHECO	09/21/79	268.20	20	82.30	111.20	4.70	1	1
	Catmon, Malabon	120- 57- 36									
MLB-1002	MWSS Dampalit (Old Well)	14- 41- 10	MWSA	/ /	147.90	10			18.52	1	3
	Dampalit, Malabon	120- 56- 28									
MLB-1003	MWSS Dampalit #1	14- 41- 6	Condrill	/ /77	233.00	20	31.00	81.40	8.30	1	1
	Bo. Dampalit, Malabon, M.M.	120- 56- 23									
MLB-1004	MWSS Bo. Hulong Duhat #1	14- 40- 38	PACHECO	06/23/78	304.80	25				1	3
	Bo. Hulong Duhat, Malabon	120- 56- 38									
MLB-1005	MWSS Bo. Hulong Duhat #2	14- 40- 45	PACHECO	07/18/77	304.80	25				1	3
	Bo. Hulong Duhat Elem. School	120- 56- 19									
MLB-1006	MWSS Niugan	14- 40- 13	PACHECO	/ /80	304.80	20	30.10	77.00	13.00	1	2
	Niugan, Malabon	120- 57- 11									
MLB-1009	MWSS Dampalit #2	14- 41- 59	CONDRILL	09/25/77						1	1
	Bo. Dampalit, Malabon, M.M.	120- 55- 40									
MLB-1010	MWSS Santolan	14- 41- 16	CONDRILL	08/19/81	304.80	20	92.38	109.10	8.80	1	2
	Santolan, Malabon	120- 57- 31									
MLB-2004	Chinese Factory	- -		/ /	91.46				4.50	8	
		- -									
MLB-2005	Mary Villa Sem.	- -		/ /						2	3
		- -									
MLB-2006	Phil. Int'l. Footwear #2	- -		/ /					5.00	6	
		- -									
MLB-2007		- -		/ /55	77.70	15	9.10	9.70	1.90	1	
	Bo. Acacia, Malabon	- -									
MLB-2008	Araneta University Foundation #5	- -		/ /64	292.60	20	27.40	43.60	12.60	2	
		- -									
MLB-2009	ARELLANO UNIVERSITY	- -		/ /64	292.70	15	27.40			3	
	PHHC Concepcion, Malabon	- -									
MLB-2010	ARANETA UNIVERSITY #1	- -		/ /47	298.10	35	35.90	54.80	3.10	2	
	Victoneta Park, Malabon	- -									
MLB-2011	ARANETA UNIVERSITY #2	- -		/ /58	228.60	35	31.70		3.10	2	
	Victoneta Park, Malabon	- -									
MLB-2012	ARTEX DEV'T CORP. #1	- -		/ /66	243.90	25	48.70			1	3
		- -									
MLB-2013	ARTEX DEV'T CORP. #3	- -		/ /66	268.20	20	30.40			1	3
	Old Gate	- -									
MLB-2014	ARTEX DEV'T CORP. #2	- -		/ /66	36.50	15	15.20			1	3
	Old Office	- -									
MLB-2015	ARTEX DEV'T CORP. #4	- -		/ /66	65.50	25	12.80			1	3
	Engraving	- -									
MLB-2016	ARTEX DEV'T CORP. #5	- -		/ /66	126.80	15	12.10			1	3
	Machine Shop	- -									
MLB-2017	ARTEX DEV'T CORP. #7	- -		/ /66	121.90	15	21.30			1	3
	Boiler	- -									
MLB-2018	ARTEX DEV'T CORP. #8	- -		/ /66	106.70	15	6.00			1	3
	Canteen	- -									
MLB-2019	ARTEX DEV'T CORP. #9	- -		/ /66	41.50	20	12.90			1	3
	New Office	- -									

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MLB-2020	ARTEX DEV'T CORP.	- - - -		/ /80	457.30	30			5.40	1	
MLB-2021	ARTEX DEV'T CORP.	- -	SHAMROCK	/ /70	121.90	25	16.70	40.50	5.90	8	3
	Panghulo, Malabon	- -									
MLB-2022		- -		/ /55	192.00	10	8.50	12.10	1.00	1	
	Bo. San Agustin, Malabon	- -									
MLB-2023	BOLL ROSARIO	- -		/ /68	192.00	10	32.90		0.90	1	
	30 Noval St., Flores, Malabon	- -									
MLB-2024	BOOMTOWN IND'L CORP.	- -	LOPEZ	/ /74	182.80	15	60.90		1.00	2	3
	Potrero, Malabon	- -									
MLB-2025	CANDYMAN #1	- -		/ /63	304.80		48.70	60.90	7.50	4	
	Gov. Pascual Ave., Malabon	- -									
MLB-2026		- -		/ /	263.00	20	82.00		5.00	1	
	Bo. Catmon, Malabon	- -									
MLB-2027		- -		/ /56	152.40	20	6.70	10.70	1.60	1	
	Concepcion, Malabon	- -									
MLB-2028	COSMOS BOTTLING CORP.	- -	SHAMROCK	/ /70	390.10	25			9.00	4	3
	Pineapple St., Malabon	- -									
MLB-2029	COSMOS BOTTLING CORP. #1	- -	SHAMROCK	/ /71	362.70	25	74.70	110.00	7.30	4	
	McArthur Highway, Malabon	- -									
MLB-2030	COSMOS BOTTLING CORP. #2	- -		/ /	308.40	25	93.60	120.40	12.60	1	
	Mangustine St., Malabon	- -									
MLB-2031	COSMOS BOTTLING CORP. #3	- -	SHAMROCK	/ /78	304.80	25	54.80	109.70	6.40	4	
	University Ave., Malabon	- -									
MLB-2032	COSMOS BOTTLING CORP. #6	- -	SHAMROCK	/ /76	365.00	25	89.90	117.60	9.25	4	
	McArthur Highway, Malabon	- -									
MLB-2033		- -		/ /54	271.34	20	2.00		1	3	
	Bo. Dampalit	- -									
MLB-2034		- -		/ /53	271.30	20	15.00		1	3	
	Bo. Dampalit	- -									
MLB-2035		- -		/ /	277.43	25			1	3	
	Bo. Dampalit	- -									
MLB-2036	FRABAL ICE PLANT	- -		/ /73	287.50	20	60.60	88.00	4.04	3	
	Bo. Dampalit	- -									
MLB-2037	GENERAL RUBBER & FOOTWEAR CORP.	- -	SHAMROCK	/ /70	304.80	25	78.00	90.50	4.10	7	
	Northern Hills, Malabon	- -									
MLB-2038	GOOD SHEPHERD	- -		/ /	76.20	15	15.80	45.70	1.80	2	
	Panghulo, Malabon	- -									
MLB-2039		- -		/ /57	246.80	20	18.30		1		
	Bo. Hulo	- -									
MLB-2040		- -	BPW	/ /55	216.80	15	8.50		1	3	
	Bo. Hulong Duhat	- -									
MLB-2041		- -		/ /55	218.90	15	8.50	10.70	0.90	1	
	Bo. Hulong Duhat	- -									
MLB-2042	LA YEBANA TOBACCO #1	- -	SHAMROCK	/ /68	274.30	25	59.40	91.10	10.00	8	
	Bo. Acacia, Malabon	- -									
MLB-2043	LA YEBANA TOBACCO #2	- -		/ /	121.50	10	30.48		2.10	8	
		- -									

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MLB-2044	MARTIMAR & CO.	- -		/ /	213.30	15	33.50	64.00	3.20	8	
	Tenejeros, Malabon	- -									
MLB-2045	MR. CARLOS DE LEON	- -	LOPEZ	/ /72	91.40	10				1	3
	Santolan, Malabon	- -									
MLB-2046	LIRAG TEXTILE MILLS, INC.	- -		/ /	213.40	25				7	3
	Bo. Acacia, Malabon	- -									
MLB-2047	LIRAG TEXTILE MILLS #2	- -		06/17/67	243.90	25	18.60			7	3
	Bo. Acacia, Malabon	- -									
MLB-2048	LIRAG TEXTILE MILLS #4	- -		/ /60	304.80	25	88.40	120.40	5.70	7	
	Bo. Acacia, Malabon	- -									
MLB-2049	LIRAG TEXTILE MILLS #5	- -		/ /62	304.80	25	51.80	77.70	16.30	7	
	Bo. Acacia, Malabon	- -									
MLB-2050	LIRAG TEXTILE MILLS #6	- -		/ /64	304.90	25	51.80	68.60	16.40	7	
	Bo. Acacia, Malabon	- -									
MLB-2051		- -		/ /50	338.40	25	4.26	6.10	1.30	8	
	Maasin St., Malabon	- -									
MLB-2052	MARCELO RUBBER PRODUCTS	- -	SHAMROCK	/ /69	219.40	25	54.80	72.50	6.30	8	
		- -									
MLB-2053	MARCELO STEEL CORP. #3	- -		/ /	228.70	15	28.00		2.80	8	
	Industrial St., Malabon	- -									
MLB-2054	MARCELO STEEL CORP.	- -	HOOVER	/ /61	365.70	25	54.80	72.50	6.30	8	
	Industrial St., Malabon	- -									
MLB-2055	MILTON MFG. CO. #2	- -	LOPEZ	/ /77	213.30	20	45.70		5.00	7	
	Atis Road, Potrero, Malabon	- -									
MLB-2056	MILTON MFG. CO. #1	- -	LOPEZ	/ /70	152.40	20	22.80		2.00	7	*
	Atis Road, Potrero, Malabon	- -									
MLB-2057	GLOBE PAPER & PULP #7	- -		/ /68	243.80		36.60			7	3
	Isabel St., Malabon	- -									
MLB-2058	GLOBE PAPER & PULP #9	- -		/ /68	125.00	20			5.00	7	
	Isabel St., Malabon	- -									
MLB-2059	GLOBE PAPER & PULP #10	- -	WELLS & PUMPS	/ /63	152.40		36.60	82.30		7	3
	Isabel St., Malabon	- -									
MLB-2060	GLOBE PAPER & PULP #11	- -		/ /63	106.70		36.60			7	3
	Isabel St., Malabon	- -									
MLB-2061	GLOBE PAPER & PULP #13	- -		/ /61	91.40	15	36.60	45.70	8.20	7	
	Isabel St., Malabon	- -									
MLB-2062	GLOBE PAPER & PULP #14	- -		/ /68	103.60	15	45.70	67.10	4.40	7	
	Isabel St., Malabon	- -									
MLB-2063	GLOBE PAPER & PULP #15	- -		/ /64	115.80	15	8.20	15.50	14.90	7	
	Isabel St., Malabon	- -									
MLB-2064	GLOBE PAPER & PULP #16	- -		/ /68	121.90	15	25.90	34.10	33.50	7	
	Isabel St., Malabon	- -									
MLB-2065	GLOBE PAPER & PULP #17	- -		/ /67	243.80	20	54.90	104.50	6.30	7	
	Isabel St., Malabon	- -									
MLB-2066	GLOBE PAPER MILLS #18	- -	SHAMROCK	/ /74	269.70	20	36.60	105.20	1.10	7	
	Malabon	- -									
MLB-2067	NEWLAND FOODS CORP.	- -	SHAMROCK	/ /79	274.30	15	87.50	91.10	1.40	4	
	Panghulo, Malabon	- -									

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MLB-2068	PI MFG. INC. #1	- -		/ /76	213.40	15	56.90	60.90	0.95	8	
	97 Industrial Ave., Malabon	- -									
MLB-2069	PI MFG. INC. #2	- -		/ /71	243.80	20	95.40	117.60	3.40	8	
	97 Industrial Ave., Malabon	- -									
MLB-2070	PHIL. INTERNATIONAL FOOTWEAR CORP.	- -	SHAMROCK	/ /73	301.80	20	95.70	122.20	0.95	7	
	Malabon	- -									
MLB-2071	PHIL. PAINTS MFG. INC. #1	- -		/ /62	152.40	15	30.50	74.70	3.80	5	
	Industrial Ave., Northern Hills	- -									
MLB-2072	PHIL. PAINTS MFG. INC. #2	- -		/ /62	74.70	15	30.50	74.70	3.80	5	
	Industrial Ave., Northern Hills	- -									
MLB-2073	PHILIPPINE SWEETS	- -	SHAMROCK	/ /65	182.90	20	71.00	106.70	1.10	4	
	Isabel Ave., Malabon	- -									
MLB-2074	SILVER SWAN MFG., CO. #1	- -	SHAMROCK	/ /	304.80	20	63.10	65.50	3.40	4	
	Panghulo, Malabon	- -									
MLB-2075	SOLID DEV'T CORP.	- -	LOPEZ	/ /79	328.60	20			1.50	1	
	Panghulo, Malabon	- -									
MLB-2076		- -		/ /	182.90	10	60.90	91.40	1.90	1	
	Capt. Tiago St., Malabon	- -									
MLB-2077	LUCAS COMPOUND	- -		/ /	152.40	10				1	
	Lucas Compound, Tugatog, Malabon	- -									
MLB-2078		- -		/ /48	177.10	10	2.40			1	3
	Sanchez St., Tenejeros, Malabon	- -									
MLB-2079		- -		/ /64	76.20	10			0.93	1	
	School Site, Tenejeros, Malabon	- -									
MLB-2080		- -		/ /55	241.40	15	15.50	24.40	0.40	1	
	Bo. Tonsuya, Malabon	- -									
MLB-2081	MRS. VICTORIA C. DEL YSMAEL	- -	LOPEZ	/ /71	207.30	15	64.00			1	2
	Panghulo, Malabon	- -									
MLB-2082	MERVILLE SUBDIVISION	- -		/ /	213.41				15.80	1	
		- -									
MLB-2083	Malabon Mun. High School	- -		/ /	304.87					2	3
		- -									
MLB-2084	UNITED FABRIC PROCESSING MILLS	- -		/ /						7	2
		- -									
MLB-2085	Silver Swan #2	- -		/ /						4	3
		- -									
MLB-2086	ARTEX DEV'T CORP.	- -	PIWDC	/ /80	457.20	45	59.40	126.50	9.50	8	
	Panghulo, Malabon	- -									
MLB-2087	ARTEX DEV'T CORP. #6	- -		/ /					5.50	8	
	Panghulo, Malabon	- -									
MLB-2088	ARTEX DEV'T CORP. #7	- -		/ /					8.50	8	
	Panghulo, Malabon	- -									
MLB-2089	LITEX #3	- -		/ /						7	3
	Bo. Acacia, Malabon	- -									
MLB-2090	PI MFG. #3	- -		/ /						8	3
	Bo. Acacia, Malabon	- -									
MLB-2091	ROTOFLEX	- -		/ /					6.50	8	
	Malabon	- -									

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MLB-2092	LIBERTY CORRUGATED BOXES	- -		/ /					6.00	2	
MLB-2093	COSMOS BOTTLING CORP.#4	- -		/ /					15.00	8	
MLB-2094	COSMOS BOTTLING CORP.#3	- -		/ /					15.00	8	
MLB-2095	COSMOS BOTTLING CORP.#7	- -		/ /						8	3
MLB-2096	COSMOS BOTTLING CORP.#8	- -		/ /						8	3
MLB-2097	Poaco Inc. #1	- -		/ /						8	3
MLB-2098	POACO	- -		/ /				5.00		8	
MLB-2099	MERVILLE SUBD. Tanza, Malabon	- -		/ /80	304.80	20	28.10	36.30	5.10	1	
MLB-2100	Armando Cruz	- -	DE ONCR	/ /70	243.90	15				1	
MLB-2101	Century Mfg. Corp.	- -		/ /					10.00	4	
MLB-2102	NWSA Escanilla Street	- -		/ /		15				1	3
MLB-2103	RUFINA PATIS Tanza, Malabon	- -		/ /						4	2
MLB-2104		- -		/ /					5.80	8	
MLB-2105	SILVER SWAN MANUFACTURING CO., INC. 164 Panghulo, Malabon, M.M.	- -	PIWDC	02/01/89	305.00	25	115.85	140.90	1.90	4	
MLB-2106	Araneta Institute of Agriculture Araneta University Village, Tenejeros, Potrero, Malabon	14- 40- 8 120- 59- 16	Goldwater	08/01/79	304.88		60.98	137.20	7.57	2	
MLB-2107	Bagumbuhay Ind'l. Corp. 14 Duhat Street , Bo. Potrero	- -	Lucas	/ /68	118.87		22.86		1.30	8	
MLB-2109	Burgos St.	- -		/ /50	338.41		0.61		0.88	1	
MLB-2110	Niogan	14- 40- 8 120- 57- 10		/ /80	304.80		20.10	79.19	13.00	1	
MLB-2111	P.I. Tannery	- -		/ /55	204.79					6	
MLB-2112	Pacific Oil Products	- -		/ /75	121.94		6.10	39.55	3.78	8	
MLB-2114	PHHC Concepcion	- -		/ /64	292.68		27.44	43.59	12.60	1	
MLB-2115	Phil. Sweets	- -		/ /65	182.90		71.00	107.67	1.10	4	
MLB-2116	14 Duhat St., Potrero	- -		/ /	244.00					1	

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MLB-2117	RJL Martinez	- -		/ /	207.26					3	
		- -									
MLB-2118		- -		/ /	55 192.00		8.51		1.00	1	
	San Agustin	- -									
MLB-2119		- -		/ /	62 56.40		13.72	21.60	0.63	1	
	Santolan	- -									
MLB-2120	Solid Develooment Corp.	- -		/ /	79 228.60				1.50	8	
		- -									
MLB-2121		- -		/ /	55 240.85		1.52	18.52	0.51	1	
	Tonsuya	- -									
MLB-2122		- -		/ /	79 304.90					1	
	Catmon	- -									
MLB-2123		14- 40- 3		/ /	268.93		82.31		4.73	1	
	Catmon	120- 57- 36									
MLB-2124	COSMOS BOTTLING CORP.#9	14- 40- 0		/ /	79 19.82		19.82	85.06	6.31	8	3
		120- 59- 0									
MLB-2125		- -		/ /	277.43					3	3
	Dampalit	- -									
MLB-2126	Goodwill Foods	- -		/ /	66 121.92		12.19	41.83	14.82	4	
		- -									
MLB-2127		- -		/ /	57 274.45		18.29	26.21	0.95	1	
	Hulo, Malabon	- -									
MLB-2128		- -		/ /	78 305.00		56.40			1	
	Hulong Duhat	- -									
MLB-2129	Keng Hua Paper Product #1	- -		/ /	307.35				10.27	7	
		- -									
MLB-2130	Keng Hua Paper Product #2	- -		/ /	243.84					7	
		- -									
MLB-2131	Lirag Textile Mills #5	- -		/ /	54 304.80		51.80		16.30	7	
		- -									
MLB-2132	Meiscor #1	- -		/ /	152.42				5.00	8	
		- -									
MLB-2133		- -		/ /	62 283.54		24.38	31.97	4.10	1	
	Muzon	- -									
MLB-2134		- -		/ /	60 183.00		30.49	32.03	0.63	1	
	Muzon	- -									
MLB-2135		- -		/ /	54 196.66		12.20	13.72	1.26	1	
	Muzon	- -									
MLB-2136		- -		/ /	59 245.73		13.72	16.89	0.19	1	
	Muzon	- -									
MLB-2137	National Onion Growers Corp.	- -		/ /	55 154.32		15.24	42.75	6.30	4	
		- -									
MLB-2138		- -		/ /	68		30.49		8.33	2	
	Near Dampalit Church	- -									
MLB-2139	Araneta Subdivision	- -		/ /	182.93	35	86.55			2	3
	Everlasting St.	- -									
MNL-1001	MWSS	14- 35- 41		/ /	266.00					1	3
	Aduana, Intramuros	120- 58- 15									

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MNL-1002	MWSS Muralla, Intramuros	14- 35- 27 120- 58- 42		/ /	222.50					1	3
MNL-1003	T. PAEZ ELEMENTARY SCHOOL T. Paez Elem. School, Balut, Tondo	14- 37- 57 120- 57- 54		/ /80	304.80	20	91.10		25.00	1	3
MNL-2001	Atty. Francisco Ortigas Jr. 2673 C. R. Alunan, Manila	- - - -	Shamrock	09/07/69	243.90	10	31.10	50.91	3.79	1	
MNL-2002	University of the East Lepanto Street, Sampaloc	- - - -		/ /	305.00	30				2	
MNL-2003	Four Seasons Steam Laundry Sta. Mesa , Manila	- - - -		07/01/87	244.00	20	103.66	152.44	2.52	8	
MNL-2004	SM . Sta. Mesa Aurora Blvd., Sta. Mesa	- - - -		/ /	315.00	20				3	
MNL-2005	Philippine Refining Company United Nations Avenue . Paco	- - - -	Shamrock	04/30/66	304.88	25	24.08	97.26	3.17	8	
MNL-2006	Procter & Gamble . Phil. Ref. Co. Velasquez Street, Tondo, Manila	14- 37- 36 120- 57- 47	Desco	12/01/88	594.51	20	111.18	153.67	6.75	8	
MNL-2007	Prog. Realty & Dev. Corp.#1 Vitas, Tondo, Manila	14- 37- 36 120- 57- 40	TDC	12/11/69	426.00	15	42.00			1	
MNL-2008	Program Realty & Dev. Corp. #2 Vitas. Tondo, Manila	14- 37- 33 120- 57- 39	IDC	01/10/71	426.00	15	60.00			1	
MNL-2009	Philippine Banking Corporation Bonifacio Drive, Manila	- - - -	Shamrock	07/13/66	365.85	20	42.68	83.84	5.68	3	
MNL-2010	Program Realty & Dev. Corp. #3 Vitas, Tondo, Manila	14- 37- 35 120- 57- 37	Metcee	01/27/72	426.00	15	67.00			1	
MNL-2011	Philippine National Bank Escolta , Manila	- - - -		06/01/67	365.85	20	19.82	37.80	6.31	3	
MNL-2012	Pacific Land & Bldg. Corp. Lavezares, San Nicolas, Manila	- - - -	Shamrock	10/03/67	243.90	15	8.54	18.29	4.73	3	
MNL-2013	Filipinas Hotel Roxas Blvd., Manila	- - - -	Shamarock	11/07/69	390.24	20	33.54	116.46	0.76	3	
MNL-2014	ESSO Standard Eastern Inc. San Marcelino . Gen. Luna, Ermita	- - - -	Shamrock	07/08/67	182.93	10	16.16	45.73	3.16	3	
MNL-2015	Luz Ice Plant#2 (Well#1) S. de Jesus St., Balut, Tondo	14- 38- 12 120- 57- 57	DCA	12/21/82	548.78	25	91.33	113.25	8.95	8	
MNL-2016	Procter & Gamble PMC Velasquez St., Vitas, Tondo, Manila	14- 37- 33 120- 57- 50	DESCO	11/01/84	548.78	20	103.97	116.70	4.53	8	
MNL-2017	ESSO Gasoline Station Padre Faura, Ermita, Manila	- - - -	Shamrock	02/10/67	227.13	15	9.76	24.39	3.16	3	
MNL-2018	Caltex Philippines Inc. Padre Faura, Manila	- - - -	Shamrock	01/20/68	207.32	15	14.02	39.63	4.73	3	
MNL-2019	Cosmopolitan Investment Co. Roxas Blvd., Manila	- - - -	Shamrock	12/07/68	182.93	15	9.15	22.56	5.30	1	
MNL-2020	Riviera Hotel Roxas Blvd., Manila	- - - -	Shamrock	12/13/66	243.90	20	25.61	60.06	12.62	3	
MNL-2021	Luz Ice Plant #1 (Well #4) Tondo, Manila	- - - -	DCA	/ /	548.78	20				8	
MNL-2022	Bay View Hotel Roxas Blvd., Manila	- - - -	Shamrock	03/29/66	457.32	20	35.06	85.92	5.68	1	

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MNL-2023	Manila Hotel	- -	Shamrock	11/01/77	396.34	20	74.69	125.50	6.94	1	
	Bonifacio Drive, Port Area , Manila	- -									
MNL-2024	Downtown Realty Investment	- -	Shamrock	11/28/71	243.90	20	13.72	106.07	1.26	1	
	Rosario Street, Binondo, Manila	- -									
MNL-2025	Harris Memorial College	- -	Shamrock	04/03/67	365.85	15	67.38	100.61	3.16	2	
		- -									
MNL-2026	Philippine General Hospital	- -	BPW	/ /	255.18		9.15	27.44	0.95	2	
	Taft Avenue, Manila	- -									
MNL-2027	Dela Salle College	- -		/ /	204.00					2	3
	Taft Ave., Malate	- -									
MNL-2028	St. Scholastica	- -	Pyramid	/ /67	100.00	10	11.00			2	3
	Malate	- -									
MNL-2029	PNR	- -		/ /					5.00	3	3
	Tutuban	- -									
MNL-2030	Philippine General Hospital #1	- -	BPW	/ /	255.00		9.00			2	3
	Taft Ave.	- -									
MNL-2031	St. Paul College	- -	SHAMROCK	/ /	91.40					2	3
	Herran, Malate	- -									
MNL-2032	Don Enrico Building	- -	SHAMROCK	/ /66	365.00					1	3
	Leon Guinto St.	- -									
MNL-2033	Phil. Navy	- -		/ /						3	3
	Roxas Blvd.	- -									
MNL-2034	Dewey Arm	- -		/ /66	182.80					3	3
	Roxas Blvd.	- -									
MNL-2035	Mabuhay Hotel	- -		/ /66	41.50		10.67			3	3
	Adriatico St.	- -									
MNL-2036	Goodrich Realty	- -		/ /73	207.00		19.80			3	3
	Malvar St.	- -									
MNL-2037	Syjuco Building	- -	SHAMROCK	/ /66	365.70					3	3
	U.N. Avenue	- -									
MNL-2039	Villarama College	- -		/ /	244.00		9.80			2	3
	Herran	- -									
MNL-2040	Carmen Apartment #1	- -	SHAMROCK	/ /67	304.00		15.20			1	3
	Roxas Blvd.	- -									
MNL-2041	Carmen Apartment #2	- -		/ /67	183.00		30.50			1	3
	Roxas Blvd.	- -									
MNL-2042	Central Bank A	- -		/ /	259.10		37.49	60.90	6.94	3	
	Roxas Blvd.	- -									
MNL-2043	Central Bank B	- -		/ /80	182.80	25	1.82	2.13	1.89	3	
	Roxas Blvd.	- -									
MNL-2044	Filipinas Hotel #2	- -		/ /69	369.20		39.60			1	3
	Roxas Blvd.	- -									
MNL-2045	National Park Development #1	- -		/ /66	366.00				6.70	2	3
	Luneta	- -									
MNL-2046	National Park Development #2	- -		/ /	377.60		91.46	116.00	5.80	2	3
	Luneta	- -									
MNL-2047	Army & Navy Club	- -		/ /	396.20					3	3
	Malate	- -									

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MNL-2048	Don Santiago Bldg.	- -		/ /66	365.70					3	3
	Ermita	- -									
MNL-2049	Hilton Hotel	- -		/ /	441.50				3.20	3	3
	U.N. Ermita	- -									
MNL-2050	Philamlife	- -		/ /	457.20					3	3
	U.N. Avenue	- -									
MNL-2051	Bureau of Plants Ind.	- -		/ /						2	3
	San Andress	- -									
MNL-2052	Montinola Apartments	- -		/ /						1	3
	Mabini St.	- -									
MNL-2053	NWSA	- -	BPW	/ /24	204.20					1	3
	Plaza de la Virgen, Paco	- -									
MNL-2054	NWSA	- -	BPW	/ /30	154.00		7.60			1	3
	Anak Bayan, Paco	- -									
MNL-2055	Paco Market	- -	BPW	/ /31	100.50					1	3
		- -									
MNL-2056	DBP	- -	BPW	/ /34	366.00					1	3
	Aduana Intramuros	- -									
MNL-2058	F. Bernabe & Sons	- -	LOPEZ	/ /65	122.00		50.60			3	3
	F. Santiago	- -									
MNL-2060	Manila Hotel #1	- -		/ /	156.90					3	3
	Roxas Blvd.	- -									
MNL-2061	Manila Hotel #3	- -	SHAMROCK	/ /					27.80	3	3
	Roxas Blvd.	- -									
MNL-2062		- -	BPW	/ /	305.00					1	3
	Near Bonifacio Drive	- -									
MNL-2063	NWSA	- -	BPW	/ /32	143.00					1	3
	Jesus St., Pandacan	- -									
MNL-2064	Marcelo Steel	- -	SHAMROCK	/ /66	426.00					8	3
	Pandacan	- -									
MNL-2065	BAI	- -	NWSA	/ /66	284.00					2	3
	Pandacan	- -									
MNL-2066	Caltex	- -	HOOVER	/ /	164.00					3	3
	Pandacan	- -									
MNL-2067	SMC Plant #1	- -	HOOVER	/ /57	335.30					4	3
	Pandacan	- -									
MNL-2068	SMC Plant #2	- -	HOOVER	/ /60	243.80					4	3
	Pandacan	- -									
MNL-2069	Malacanang Guard	- -	BPW	/ /54	312.40					2	3
	Pandacan	- -									
MNL-2070	SMC	- -		/ /53	252.00					4	3
	Muella dela Inudstria	- -									
MNL-2071	Farola Ice Plant #1	- -	SHAMROCK	/ /					23.15	8	3
	San Nicolas	- -									
MNL-2072	Farola Ice Plant #2	- -	SHAMROCK	/ /67	244.00	15	64.00	123.00	3.15	8	
	San Nicolas	- -									
MNL-2073	Soteco Gas Stn.	- -		/ /	305.00				3.15	1	
	Del Pan	- -									

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MNL-2074	BPW	- -	SHAMROCK	/ /30	91.40		6.10		3.15	1	
	dela Paz	- -									
MNL-2075	Trade Center Bldg.	- -	METCEE	/ /68	305.00					3	3
	P. Faura	- -									
MNL-2076	Zaragosa Wagon	- -		/ /66	335.00					1	3
	Roxas Blvd.	- -									
MNL-2077	Don Bosco Youth Center	- -		/ /69	183.00	15				1	3
	Magsaysay	- -									
MNL-2078	NWSA	- -		/ /75	293.00					1	3
	Vitas	- -									
MNL-2079	PNHC	- -		/ /70	320.00	20				3	3
	Vitas	- -									
MNL-2080	Veterinary Investment	- -	SHAMROCK	/ /	244.00					3	3
	Vitas	- -									
MNL-2081	La Tondena	- -		/ /	396.00					4	3
	Velasquez Tondo	- -									
MNL-2082	Alhambra Cigar	- -		/ /39	112.80				3.20	8	
	Tayuman	- -									
MNL-2083	Manila Railroad	- -		/ /	342.00				4.10	1	
		- -									
MNL-2084	Phil. Paper Mills #1	- -	HOOVER	/ /56	305.00	10	6.10	46.00	14.70	7	
	Tondo	- -									
MNL-2085	Phil. Paper Mills #2	- -	HOOVER	/ /56	244.00	15				7	3
	Tondo	- -									
MNL-2086	Phil. Paper Mills #3	- -	HOOVER	/ /66	327.90		37.00	82.30	9.45	7	
	Tondo	- -									
MNL-2087	Phil. Paper Mills #4	- -		/ /55	332.00					7	3
	Tondo	- -									
MNL-2088	Phil. Paper Mills #5	- -		/ /						7	3
	Tondo	- -									
MNL-2089	Phil. Paper Mills #6	- -		/ /69	305.00					7	3
	Tondo	- -									
MNL-2090	Phil. Paper Mills #7	- -		/ /68	366.00					7	3
	Tondo	- -									
MNL-2091	Tondo General Hospital	- -	PYRAMID	/ /73	244.00		58.20			2	3
	Balut	- -									
MNL-2092	TABACALERA	- -	Shamrock	/ /69						8	3
	Tondo, Manila	- -									
MNL-2093	FRABAL ICE PLANT	- -	Shamrock	12/10/75	244.00		21.90	56.70		8	2
	Vitas St., Tondo, Manila	- -									
MNL-2094	PHIL. FERTILIZER CORP.	- -		/ /63	213.00					8	3
	MANILA	- -									
MNL-2095	LUZ ICE PLANT #2	- -	SHAMROCK	/ /66	253.00					3	3
	JESUS ST., MANILA	- -									
MNL-2096	LUZ ICE PLANT #3	- -		/ /					10.00	3	3
	MANILA	- -									
MNL-2097	HENRY LEE	- -	Shamrock	12/01/66	273.00		40.20	62.50	9.50	3	
		- -									

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MNL-2098	R.J.L. MARTINEZ FISHING CORPORATION	- -	Shamrock	01/05/78	274.00		43.00	120.30	1.10	3	
	Punta, Tondo, Manila	- -									
MNL-2099	PASCUAL LABORATORIES	- -	Shamrock	09/01/66	181.00					5	3
	225 Quijote St., Balut, Tondo	- -									
MNL-2100	ESSO STANDARD	- -	Lopez	09/23/67	164.50		4.60			3	
	J. Abad Santos St., Tondo, Manila	- -									
MNL-2101	ESSO GAS STATION	- -	SHAMROCK	/ /69	213.40					3	3
	GEN. LUNA, TONDO, MANILA	- -									
MNL-2102	ESSO STANDARD, INC.	- -	Lopez	/ /65	258.70		15.00		0.30	3	
	Juan Luna St., Tondo, Manila	- -									
MNL-2103	ANTONIO RIVERA ST, TONDO	- -		/ /33	109.70		4.30			1	3
	Antonio St., Tondo, Manila	- -									
MNL-2104	GAGALANGIN, TONDO	- -		/ /32	119.00		2.10			1	3
	Gagalngin, Tondo, Manila	- -									
MNL-2105	BANKULASI TONDO NWSA	- -		/ /						1	3
	Bankulasi, Tondo, Manila	- -									
MNL-2106	HERBOSA ST., TONDO	- -		/ /	140.00					1	3
	Herbosa St., Tondo, Manila	- -									
MNL-2107	MORIONES ST.	- -		/ /	259.00					1	3
	MORIONES STREET, TONDO, MANILA	- -									
MNL-2108	BUREAU OF PUBLIC WORKS	- -		/ /33	119.00	15	4.80			2	3
	Esguerra St., Tondo, Manila	- -									
MNL-2109	PACIFIC BANKING CORPORATION	- -	Shamrock	06/23/75	283.00	15	93.00			3	3
	Echague, Manila	- -									
MNL-2110	MUTUAL DEVELOPMENT CENTER	- -	Shamrock	11/01/69	278.00		24.00	82.30	1.60	3	
	Echague, Manila	- -									
MNL-2111	PHILIPPINE COLD STORAGE	- -	BPW	/ /33	171.00				5.00	8	
	Quinta Market, Quiapo, Manila	- -									
MNL-2112	LA TONDENA	- -	Shamrock	07/27/67	396.00	15				4	
	Echague, Quiapo, Manila	- -									
MNL-2113	PLAZA MIRANDA NWSA	- -	NWSA	/ /32	152.00					1	3
	Plaza Miranda, Quiapo, Manila	- -									
MNL-2114	PHIL. COLLEGE OF CRIMINOLOGY	- -		/ /69	213.00	10	87.00			2	3
	QUIAPO, MANILA	- -									
MNL-2115	FEU MANILA #1	- -		07/05/58	305.00	15	8.00		4.00	3	
	FEU Compound, Sampaloc, Manila	- -									
MNL-2116	FEU MANILA #2	- -	NWSA	08/18/61	305.00	10	6.70			3	3
	Sampaloc, Manila	- -									
MNL-2117	SAN MIGUEL BREWERY #1	- -	BPW	/ /14	242.00					4	3
	San Miguel, Manila	- -									
MNL-2118	AYALA & CO. #2	- -	BPW	/ /14	170.60					4	3
	Solano St., San Miguel, Manila	- -									
MNL-2119	ELIZALDE PAINTS & OIL FACTORY, INC.	- -	Wells & Pumps	/ /60	244.00	15				8	3
	San Miguel, Tanduay, Manila	- -									
MNL-2120	YCO	- -	HOOVER	/ /54	244.00					5	3
	TANDUAY ST., QUIAPO, MANILA	- -									
MNL-2121	MANILA TIMES	- -	Shamrock	08/01/66	366.00	15				3	3
	F. Torres St., Sta. Cruz, Manila	- -									

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MNL-2122	PHILIPPINE NATIONAL BANK	- -	Shamrock	07/01/67	366.00	15				3	3
	San Vicente St., Escolta, Manila	- -									
MNL-2123	SAN MIGUEL CORPORATION	- -	SHAMROCK	/ /67	366.00					4	3
	SAN VICENTE, ESCOLTA	- -									
MNL-2124	MATERNITY & CHILDREN'S HOSPITAL	- -	SHAMROCK	/ /	244.00		6.10	9.00	2.20	2	
	STA. CRUZ, MANILA	- -									
MNL-2125	BUREAU OF PRISON #1	- -	BPW	/ /26	198.10		6.70			2	3
	Sta. Cruz, Manila	- -									
MNL-2126	BUREAU OF PRISON #2	- -	BPW	/ /66	244.00		10.00			2	3
	Sta. Cruz, Manila	- -									
MNL-2127	FAMILY CLINIC	- -	Lopez	11/16/88			50.30			3	3
	Andalucia St., Sta Cruz, Manila	- -									
MNL-2128	San Lazaro Race Track	- -	SHAMROCK	/ /						1	3
		- -									
MNL-2129	SAN LAZARO HOSPITAL	- -	BPW	/ /32	268.00		12.20			2	3
	Sta. Cruz, Manila	- -									
MNL-2130	SAN LAZARO MARKET	- -	BPW	/ /31	129.00					1	3
	Blumentritt, Manila	- -									
MNL-2131	MAGDALENA ST., TROZO	- -		/ /26	258.00		0.61			1	3
	Magdalena St., Sta. Cruz, Manila	- -									
MNL-2132	O'DONNEL ST., STA. CRUZ	- -		/ /32	117.00		0.91			1	3
	O'Donnel St., Sta. Cruz, Manila	- -									
MNL-2133	SANTA CLARA SCHOOL	- -	BPW	/ /	136.00					1	3
	Santa Clara Schoool, Sta. Cruz	- -									
MNL-2134	TAMLIMCO	- -		/ /	213.00					1	3
	BATANGAS ST., MANILA	- -									
MNL-2135	UST GYMNASIUM	- -		/ /56	305.00		3.00			3	3
	Espana, Sampaloc, Manila	- -									
MNL-2136	UST HOSPITAL	- -	Wells & Pumps	/ /59	313.00	10				1	3
	Sampaloc, Manila	- -									
MNL-2137	MARIA CLARA ST.	- -	BPW	/ /30	90.00					1	3
	Maria Clara St., Sampaloc, Manila	- -									
MNL-2138	MANRIQUE SAMPALOC	- -	BPW	/ /31	135.00		2.40			1	3
	Manrique & Bustillos Sts., Sampaloc	- -									
MNL-2139	AURORA ARAGON SCHOOL	- -	BPW	/ /	344.00		3.00			2	
	LUSBOT ST. COR. LOPEZ ST., MANILA	- -									
MNL-2140	COLLEGE OF HOLY SPIRIT	14- 41- 23	Condrill	/ /78	305.00		19.80			3	3
	163 E. Mendiola, Manila	121- 4- 12									
MNL-2141	ESSO STANDARD, INC.	- -	Lopez	/ /65	137.00	10			0.30	3	
	Altura, Sta. Mesa, Manila	- -									
MNL-2142	STA. MESA MARKETING CORPORATION	- -		/ /50	458.00	10	21.00		3.50	3	
	Sta. Mesa, Manila	- -									
MNL-2143	BACOOD, STA MESA	- -	BPW	05/01/61	183.00	15		47.00	4.10	1	
	Bacood, Sta. Mesa, Manila	- -									
MNL-2144	STA. MESA MARKET	- -		/ /	169.00				0.57	1	
	Sta. Mesa Market, Sta. Mesa, Manila	- -									
MNL-2145	AGUSTIN TANGCO	- -	Lopez	03/22/67	152.00		11.00			3	3
	V. Mapa St., Sta. Mesa, Manila	- -									

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MNL-2146	CASTRO SALVADOR	- -	Lopez	06/12/67	213.00					1	3
	Sta. Mesa, Manila	- -									
MNL-2147	PMC #2	- -		/ /	213.40		8			2	
	NORTH BAY BLVD., MANILA	- -									
MNL-2148	PMC #3	- -		/ /						2	3
	NORTH BAY BLVD., MANILA	- -									
MNL-2149	JOSE FABELLA MEMORIAL HOSPITAL	- -		/ /						2	3
	DE VEGA ST., CENTRAL MARKET, STA. CRUZ	- -									
MNL-2150	RP VETERANS	- -		/ /					7.40	2	
	SOUTH PORT DISTRICT, MANILA	- -									
MNL-2151	ESSO	- -		/ /						3	3
	SOUTH PORT DISTRICT, MANILA	- -									
MNL-2152	NGA	- -		/ /						1	3
	OTIS ST., PANDACAN, MANILA	- -									
MNL-2153	GENERAL MOTORS	- -		/ /						3	3
	Otiz St., Pandacan, Manila	- -									
MNL-2154	MANILA GAS	- -		/ /						8	3
	Otiz, Pandacan, Manila	- -									
MNL-2155	COCA-COLA	- -		/ /					1.85	4	
	Otis St., Pandacan, Manila	- -									
MNL-2156	HOTEL MIRADOR	- -		/ /					7.40	3	3
	San Marcelino, Manila	- -									
MNL-2157	NSDB #1	- -	BPW	/	/15 178.00					2	3
	Taft Ave., Malate, Manila	- -									
MNL-2158	NSDB/BM #2	- -		/ /						2	3
	P. Faura	- -									
MNL-2159	RAMON MAGSAYSAY CENTER	- -		/ /					0.92	2	3
	COR. ROXAS BLVD. & MILITAR ST.	- -									
MNL-2160	Dept. of Foreign Affairs	- -		/ /						2	3
	P. Faura	- -									
MNL-2162	NWSA	- -		/ /					18.50	1	3
	Sampaloc	- -									
MNL-2163	Manila Midtown Condominium	- -		/ /						1	3
		- -									
MNL-2164	Brg. #495	14- 37- 34		/ /					1.40	1	
	Blumentritt, Sampaloc	120- 57- 28									
MNL-2165	Brg. #495	14- 37- 32		/ /					1.40	1	
	Ibarra, Sampaloc	120- 59- 24									
MNL-2166	Brg. #495	14- 37- 27		/ /					1.40	1	
	Instruccion, Sampaloc	120- 59- 25									
MNL-2167	Brg. #495	14- 37- 30		/ /					1.40	1	
	Sisa, Sampaloc	120- 59- 24									
MNL-2168	Brg. #547	14- 36- 43		/ /					1.40	1	
	Anzures, Sampaloc	121- 1- 4									
MNL-2169	Brg. #547	14- 36- 47		/ /					1.40	1	
	Ventura, Sampaloc	121- 0- 58									
MNL-2170	Brg. #873	14- 34- 53		/ /					1.40	1	
	Leyba Well #2	121- 0- 41									

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MNL-2171	Brg. #873	14- 34- 52		/ /					1.40	1	
	Syquia Well #3	121- 0- 42									
MNL-2172	Brg. #873	14- 34- 36		/ /					1.40	1	
	Soter Well #4	121- 0- 42									
MNL-2173	Brg. #873	14- 34- 55		/ /					1.40	1	
	Roxas	121- 0- 42									
MNL-2174	Program Realty & Dev. Corp.	14- 37- 33		/ /30					2.00	8	
	Vitas, Tondo	120- 57- 50									
MNL-2175	Program Realty & Dev. Corp.	14- 37- 36		/ /68					1.50	1	
	Velasquez, tondo	120- 57- 47									
MNL-2176	CONGREGACION DE RELIGIOSAS	14- 36- 46		02/27/81						1	
	Florentino St., Manila	120- 59- 27									
MNL-2177	Frabal Fishing & Ice Plant #1	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2178	Frabal Fishing & Ice Plant #2	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2179	Frabal Fishing & Ice Plant #3	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2180	Frabal Fishing & Ice Plant #4	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2181	Frabal Fishing & Ice Plant #5	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2182	Frabal Fishing & Ice Plant #6	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2183	Frabal Fishing & Ice Plant #7	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2184	Frabal Fishing & Ice Plant #8	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2185	Frabal Fishing & Ice Plant #9	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2186	Frabal Fishing & Ice Plant #10	14- 38- 22		/ /					0.23	8	1
	North Bay Blvd.	120- 57- 31									
MNL-2187		- -		/ /	109.76		4.27			1	
	A. Rivera St., Tondo	- -									
MNL-2188	Atlantic Gulf and Pac. Co.	- -		/ /65	304.80		19.20	30.47	4.60	8	
		- -									
MNL-2189		- -		/ /	91.46		6.09			1	
	Del Pan St., San Nicolas	- -									
MNL-2190		- -		/ /68	21.37		21.34		0.63	1	
	Del Pan, Binondo	- -									
MNL-2191	Elizalde Paint & Oil Factory	- -		/ /	243.90		63.70			5	
		- -									
MNL-2192	Far Eastern University	- -		/ /81	293.29		6.71	59.88	3.79	2	
	FEU Compound	- -									
MNL-2193	Luz Ice Plant	- -		/ /80	304.80		88.39	130.96	3.15	8	
		- -									
MNL-2194	Luz Ice Plant	- -		/ /66	304.80		62.18	100.67	5.35	8	
		- -									

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MNL-2195	Malate Market	- -		/ /	198.17					1	
		- -									
MNL-2196	Metropolitan Hospital	- -		/	/68 289.56		34.86		3.78	2	
		- -									
MNL-2197		- -		/	/71		1.83	30.01	0.31	1	
	Pateros, Sta. Ana	- -									
MNL-2198	Phil. Naval Petrol	- -		/	/48 210.36		1.52	4.58	3.15	2	
		- -									
MNL-2199		- -		/	/64		4.57	27.87	5.36	1	
	San Andres, Malate	- -									
MNL-2200	Santa Catalina Ladies Reg.	- -		/	/81 182.80				14.99	1	
		- -									
MNL-2201		- -		/	/65		32.93	54.62	6.94	1	
	Tenement House Vitas, Tondo	- -									
MNL-2202	Caltex Phils.	14- 35- 42		/ /			1.69			3	3
	Pandacan	121- 0- 21									
MRK-1001	MWSS CONCEPCION	14- 39- 36	Pacheco	/	/77 228.65	25	18.59	141.46	3.47	1	2
	Concepcion, Marikina, M.M.	121- 6- 10									
MRK-1002	MWSS SAN ROQUE	14- 37- 29	NIA	/	/78 135.01	33	60.06		7.70	1	2
	San Roque, Marikina, M.M.	121- 5- 43									
MRK-1003	MWSS INDUSTRIAL VALLEY	14- 37- 25	NIA	/	/79 178	25	39.00	40.54	0.05	1	3
	Industrial Valley, Marikina, M.M.	121- 4- 40									
MRK-1004	MWSS MALANDAY	14- 39- 5	NIA	09/28/79	185.97	25	34.14	38.41	6.62	1	2
	Malanday Elem. School, Marikina	121- 5- 37									
MRK-2001	J. C. REALTY	- -	PIWDC		152.44	20	11.64	32.37	7.13	1	
	Marikina	- -									
MRK-2002	DIAMOND ICE PLANT	- -		/	/90 122					8	
	Sumulong Hi-Way , Marikina	- -									
MRK-2003	JAG	- -		/	/77 33.52	10	18.29		0.50	7	
	Parang, Marikina	- -									
MRK-2004	EASTERN PAPER MILLS #1	- -	Shamrock	/	/70 213.35	30	31.09			7	3
	Marikina, M.M.	- -									
MRK-2005	EASTERN PAPER MILLS #2	14- 37- 44	J.B. Hoover	/	/60				10.00	7	
	Marikina, M.M.	121- 05- 04									
MRK-2006	EASTERN PAPER MILLS #3	- -	J.B. Hoover	/	/60 176.16		11.27	39.53	50.31	7	
	Marikina, M.M.	- -									
MRK-2007	Eastern Paper Mills #4	- -	SHAMROCK	/	/69 213.34	30	31.70	67.07	30.93	7	
	Marikina, M.M.	- -									
MRK-2008	Eastern Paper Mills #5	- -	PIWDC	/	/68 237.73	30	54.87	92.88	36.17	7	
	Marikina, M.M.	- -									
MRK-2009	Purefoods #1	- -		/	/71 213.34	25	16.46	22.25	16.41	4	
	Marikina, M.M.	- -									
MRK-2010	Purefoods #2	- -		/	/65 213.34	25	21.34	24.70	18.93	4	
	Marikina, M.M.	- -									
MRK-2011	Purefoods #3	- -		/	/75 216.39	25	31.40	35.82	18.93	4	
	Marikina, M.M.	- -									
MRK-2012	Holland Milk #1	- -	SHAMROCK	/	/79 121.95	15	25.91	57.92	22.72	4	
	Marikina, M.M.	- -									

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MRK-2013	Holland Milk #2	- -	PIWDC	/ /68	121.95	15	35.06	38.10	17.04	4	
	Marikina, M.M.	- -									
MRK-2014	Holland Milk #3	- -	PIWDC	/ /79	121.95	15	38.10	41.16	22.72	4	
	Marikina, M.M.	- -									
MRK-2015	Goya Products #1	14- 39- 50	SHAMROCK	/ /79	85.36	15	20.73	45.73	3.78	4	
	Parang, Marikina, M.M.	121- 06- 53									
MRK-2016	BF Goodrich #1	- -	J.B. Hoover	/ /56	109.14	20				4	3
	Parang, Marikina, M.M.	- -									
MRK-2017	BF Goodrich #1 (Redrilled)	14- 40- 04	HYDRO	/ /69	90.24	20	21.34	45.73	1.89	8	
	Parang, Marikina, M.M.	121- 07- 14									
MRK-2018	BF Goodrich #2	- -	J.B. Hoover	/ /74	137.19	20	25.00			8	3
	Parang, Marikina, M.M.	- -									
MRK-2019	B.F. GOODRICH #3	14- 04- 02	J.B. Hoover	/ /69	106.7	20	6.09	57.92	2.21	8	
	Parang, Marikina, M.M.	121- 07- 17									
MRK-2020	BF Goodrich #4	14- 40- 01	METCEE	/ /76	182.92	20	19.15	50.97	9.47	8	
	Parang, Marikina, M.M.	121- 07- 21									
MRK-2021	BF Goodrich #5	- -	HYDRO	/ /75	182.92	20	16.77	102.13	8.10	8	
	Parang, Marikina, M.M.	- -									
MRK-2022	Permaline Ind'l. Corp. #1	14- 39- 53	KATWELL	/ /75	60.97	20	24.39			8	3
		121- 07- 02									
MRK-2023	Permaline Ind'l. Corp. #2	14- 39- 52	HYDRO	/ /75	106	20	103.65		7.50	8	
		121- 07- 01									
MRK-2024	Fortune Tobacco #1	14- 40- 03	HYDRO	/ /75	140.24	20	24.39		8.20	8	
	Parang, Marikina, M.M.	121- 06- 47									
MRK-2025	Fortune Tobacco #2	14- 39- 59	HYDRO	/ /75	140.24	20	24.39		8.20	8	
	Parang, Marikina, M.M.	121- 06- 42									
MRK-2026	Fortune Tobacco #3	14- 39- 57	HYDRO	/ /75	140.24	20	24.39			8	3
	Parang, Marikina, M.M.	121- 06- 49									
MRK-2027	Fortune Tobacco #4	14- 39- 60	HYDRO	/ /77	140.24	20	18.29		8.20	8	
	Parang, Marikina, M.M.	121- 06- 49									
MRK-2028	Fortune Tobacco #5	14- 39- 60	HYDRO	/ /56	140.24	20	21.34		8.20	8	
	Parang, Marikina, M.M.	121- 06- 48									
MRK-2029	Fortune Tobacco #6	14- 39- 37	HYDRO	/ /68	140.24	20	18.29		3.79	8	
	Parang, Marikina, M.M.	121- 07- 45									
MRK-2030	UNIVERSAL TEXTILE #1	14- 38- 00	HYDRO	/ /56	185.97	20	6.70	21.03	47.35	7	
	Barangka, Marikina, M.M.	121- 04- 45									
MRK-2031	UNIVERSAL TEXTILE #3	14- 37- 56	HYDRO	/ /68	273.47	20	12.20	32.00	15.78	7	
	Barangka, Marikina, M.M.	121- 04- 43									
MRK-2032	Loyola Memorial Park	- -	HYDRO	/ /72	236.47	20	12.50	30.48	41.56	1	
	Marikina, M.M.	- -									
MRK-2033	Pumo Star Well & Machineries	- -	LOPEZ	/ /77	213.41	15	54.88			3	3
		- -									
MRK-2034	Engineer Mendoza	- -	ACOJE	/ /73	91.46	15	18.29	42.68	9.47	3	
		- -									
MRK-2035	Francisco Cacho	- -	SHAMROCK	/ /68	152.48	20	9.15	51.83	9.47	3	
		- -									
MRK-2036	Manly Textile Inc.	- -	PYRAMID	/ /73	91.46	30	15.24	44.20	3.47	7	
		- -									

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MRK-2037	New Marikina Subd.	- - -	PYRAMID	/ /70	167.68	20	10.57	54.02	11.26	1	
MRK-2038	So. Barangka	- - -	BPW	/ /70	143.3	15	47.86	48.47	1.57	1	
MRK-2039	San Isidro Village	- - -	LOPEZ	/ /70	146.34	15	20.42		0.92	1	
MRK-2040	Dairy Products	- - -	LOPEZ	/ /70	140.24	15	6.70		3.50	4	
MRK-2041	Fernando Campus	- - -	LOPEZ	/ /70	64.93	10		16.76	0.10	1	
MRK-2042	Monterey Subd. Parang, Marikina, M.M.	14- 39- 28 121- 08- 12	ACOJE	/ /	92.07	15	24.39	76.21	0.95	1	
MRK-2043	MSAT	- - -	REYNOLD	/ /72	396.34	20			0.15	2	2
MRK-2044	San Miguel Corp.	- - -	W & P	/ /81		20				4	2
MRK-2045	Boy's Town #1 Parang, Marikina, M.M.	- - -		/ /	106	10	11.60			2	2
MRK-2046	Boy's Town #2 Parang, Marikina, M.M.	- - -		/ /		10			2.70	2	3
MRK-2047	Boy's Town #3 Parang, Marikina, M.M.	- -		/ /		10			2.70	2	3
MRK-2048	UTEX #2 Barangka, Marikina, M.M.	14- 37- 50 121- 04- 49		/ /71					6.00	7	
MRK-2050	Ever Electrical Mfg. Malanday, Marikina, M.M.	14- 38- 40 121- 05- 32		/ /	91.46	15			5.00	8	
MRK-2051	Marikina East Subd.	- - -		/ /80					1.80	1	
MRK-2052	Marikina Sports Center	- - -		/ /					1.80	2	
MRK-2053	E. Rodriguez Hospital	- - -		/ /67		15				2	3
MRK-2054	Iglesia Ni Cristo	- - -		/ /65		5			0.90	2	
MRK-2055	Gonzalo Vizmonte	- - -	MALHATI	/ /75	91.46	5			0.90	1	
MRK-2056	Felix Buenviaje	- - -		/ /78		5			0.90	1	
MRK-2057	Purefoods #4	- - -		/ /80	140.24		22.00			4	2
MRK-2058	Roosevelt College	- - -	JAVIER	/ /76	137.19	10	9.14		6.61	2	
MRK-2059	Bonita Homes	- - -		/ /					0.90	1	
MRK-2060	Malanday # 456062	- - -	NWSA	/ /60			15.78			1	3
MRK-2061	Alta Vista	- - -		/ /					3.00	1	

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MRK-2062	Tuazon Inc.	14- 38- 49		/ /			10.70		3.70	1	
	Marikina Heights	121- 06- 37									
MRK-2063	Tuazon Inc.	14- 38- 58		/ /					2.00	1	
	Marikina Heights	121- 7- 12									
MRK-2064	Tuazon Inc.	14- 38- 17		/ /					3.00	1	
	Marikina Heights	121- 6- 37									
MRK-2065	Tuazon Inc.	14- 38- 53		/ /					2.00	1	
	Marikina Heights	121- 6- 58									
MRK-2066	M. Carranceja	14- 39- 20		/ /					0.26	1	
	Bahayanan	121- 7- 9									
MRK-2067	Anteva Dev.	14- 37- 44		/ /					4.10	1	
	Calumpang	121- 5- 4									
MRK-2068	Leonardo L. Garcia	14- 39- 23		/ /					0.26	1	
	Marikina Heights	121- 6- 59									
MRK-2069	Leonardo L. Garcia	14- 39- 20		/ /					0.26	1	
	Marikina Heights	121- 6- 56									
MRK-2070	Dona Pacita delos Santos	14- 39- 20		/ /					2.30	1	
	Baansville Subd.	121- 8- 26									
MRK-2071	Model Mfg. Inc.	14- 39- 54		/ /					0.02	8	
	Parang	121- 7- 5									
MRK-2072	Active Realty	14- 37- 13		/ /81					3.50	1	
	Marcos Hi-way	121- 6- 25									
MRK-2073	Group Dev.	14- 38- 16		/ /					5.00	1	
	Loyola Memorial	121- 5- 26									
MRK-2074	Group Dev.	14- 38- 37		/ /					8.00	1	
	Loyola Memorial	121- 5- 4									
MRK-2075	Tuazon Inc.	14- 39- 5		/ /68			9.15		2.00	1	
	Marikina Heights	121- 6- 55									
MRK-2076	Tuazon Inc.	14- 38- 41		/ /82			7.60		2.00	1	
	Marikina Heights	121- 6- 56									
MRK-2077	Tuazon Inc.	14- 38- 23		/ /					2.00	1	
	Marikina Heights	121- 6- 44									
MRK-2078	Tuazon Inc.	14- 38- 29		/ /					2.00	1	
	Marikina Heights	121- 6- 59									
MRK-2079	Tuazon Inc.	14- 38- 52		/ /79					2.50	1	
	Marikina Heights	121- 6- 27									
MRK-2080	Ever Products	14- 38- 40		/ /78					8.76	1	1
	Malaya St., Malanday	121- 5- 32									
MRK-2081		14- 37- 29		/ /79	133				5.31	1	
	San Roque	121- 5- 42									
MRK-2082		14- 37- 29		/ /78	135.01		60.06		7.70	1	
	San Roque	121- 05- 38									
MRK-2083		- -		/ /66	200		32.00			3	
	Sports Center	- -									
MRK-2088	UNIVERSAL TEXTILE MILLS, INC.	14- 37- 59			228.65					7	
	Barangka, Marikina, M.M.	121- 04- 52									
MRK-2089	BF Goodyear Phils. #2	14- 39- 57		/ /77						8	
		121- 7- 5									

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MRK-2090	BF Goodyear Phils. #4	14- 39- 54 121- 7- 5		/ /74	162.9				1.81	8	
MRK-2091	Concepcion	14- 39- 36 121- 6- 8		/ /77	228.7		18.60		3.79	1	
MRK-2092	Concepcion	14- 39- 34 121- 6- 8		/ /80	228.65		26.20	141.40	3.47	1	
MRK-2093	Goya Products Parang	14- 39- 50 121- 6- 50		/ /83	61.3				22.72	4	
MRK-2094	Industrial Valley	14- 37- 37 121- 4- 38		/ /65	178		36.50	40.50	7.14	2	
MRK-2095	Ipil Road, Marikina Heights	14- 39- 20 121- 7- 9		/ /81	260		43.06	92.56	5.88	1	
MRK-2097	Loyola Memorial Parks	14- 38- 9 121- 5- 2		/ /65	236.28		35.06	56.71	33.90	3	
MRK-2098	Malanday	14- 38- 11 121- 6- 4		/ /68	192		43.60	50.31	18.93	1	
MRK-2099	Malanday	14- 39- 5 121- 5- 4		/ /68	56.4				12.62	1	
MRK-2100	SSS Village Marikina Heights	- - - -		/ /62	91.46		7.59		13.00	1	
MRK-2101	Parang	- - - -		/ /71			7.62	18.18	11.04	1	
MRK-2102	Goodrich 3. Pump #2	14- 40- 3 121- 7- 9		/ /66	135.9					8	
MRK-2103	Squibbmen #1	14- 39- 55 121- 7- 27		/ /71	121.9					8	
MRK-2104	SSS Village Busset Cor. Scarlet	14- 38- 41 121- 6- 57		/ /		20	7.02			1	2
MRK-2105	SSS Village Cherry Cor. Sienna	14- 38- 28 121- 7- 1		/ /		20	1.77			1	2
MRK-2106	Mar East Subd. A. Tuazon, San Roque	14- 37- 44 121- 6- 4		/ /		20	4.80			1	3
MRK-2107	Boys Town Parang	14- 40- 4 121- 7- 10		/ /		15	16.42			2	2
MRK-2108	SSS Village Lilac St., Cor. Molave	14- 38- 48 121- 7- 6		/ /		20	26.40			1	2
MRK-2109	Marist Village	14- 39- 00 121- 7- 13		/ /		30	3.74			1	2
MRK-2110	Marikina Green Heights #2	14- 39- 51 121- 6- 18		/ /		25	12.23			1	3
MRK-2111	Marikina Green Heights #1	- - - -		/ /		30	10.11			1	3
MTB-1001	MWSS San Jose Kamagong St., San Jose, Montalban	14- 44- 7 121- 8- 5	NIA	/ /78	202.16	34	9.14	18.90	14.90	1	1
MTB-1002	MWSS Geronimo Barangay Geronimo, Rodriguez, Rizal	14- 44- 8 121- 9- 5	NIA	/ /81	200	25				1	3
MTB-1003	MWSS Manggahan Manggahan, Rodriguez, Rizal	14- 43- 32 121- 8- 33		01/16/82	213.3		11.30	32.90	31.70	1	1

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MTB-1005	MWSS Aranzazu	14- 43- 12		07/21/83	207.2		12.20	19.50	18.40	1	1
	Aranzazu Subd., Burgos St., Rodriguez	121- 8- 9									
MTB-2001	C. Ramos Realty	14- 44- 43		/ /					3.70	1	
	San Jose	121- 7- 36									
MTB-2002	Metro Montana	14- 42- 54		/ /		20			7.00	1	1
	Taytay Drive	121- 8- 29									
MTB-2003	Lirag Textile	- -	Shamrock	/ /74	152.39		7.62	45.42	19.90	7	
	San Jose	- -									
MTB-2004	Globe Vista Subd.	- -	Shamrock	/ /80	91.46	15	7.31		4.60	1	
		- -									
MTB-2005	Lirag Textile #2	- -		/ /					12.50	7	
		- -									
MTB-2006	Lirag Textile #3	- -		/ /					15.00	7	
		- -									
MTB-2007	Rio Vista Village	- -		/ /80	182.88	20			4.60	1	
		- -									
MTB-2008	Dona Pepang	- -		/ /					0.40	1	
		- -									
MTB-2009	Iglesia ni Kristo	- -		/ /					5.00	2	
		- -									
MTB-2010	Gloria Vista	- -		/ /					15.00	1	3
		- -									
MTB-2011	Lirag Textile #1	- -		/ /					12.50	7	
		- -									
MTB-2012	UNICEF	- -		/ /					9.20	2	
		- -									
MTB-2013	Mr. Cruz #1	- -		/ /	122	15			0.40	1	
		- -									
MTB-2014	Consuelo Minimart	- -		/ /					5.00	3	
		- -									
MTB-2015		14- 43- 9		/ /						1	
	Burgos	121- 8- 8									
MTB-2016		14- 43- 13		/ /						1	
	Burgos	121- 8- 16									
MTB-2017		- -		/ /	134		24.39			1	
	Circumferential Road	- -									
MTB-2018		14- 43- 56		/ /						1	
	San Jose	121- 08- 02									
MTB-2019		- -		/ /	97		89.14	90.85	0.70	1	
	San Jose	- -									
MTB-2020		- -		/ /	200		9.09	18.70	14.94	1	
	San Jose	- -									
MTB-2021		14- 44- 3		/ /						1	
	San Jose	121- 7- 37									
MTB-2022		14- 44- 1		/ /						1	
	San Jose	121- 7- 35									
MTB-2023		14- 44- 1		/ /74			7.60	44.68		1	
	San Jose	121- 7- 39									

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MTB-2024		14- 43- 58		/ /						1	
	San Jose	121- 7- 56									
MTB-2026	Barangay Deep Well	14- 43- 57		/ /		15	9.39			1	2
	San Jose	121- 8- 6									
MTB-2027	Christineville Subd. #1	14- 44- 36		/ /		10	11.58			1	2
	San Jose	121- 7- 44									
MTB-2028	Christineville Subd. #2	14- 44- 37		/ /		10	11.43			1	2
	San Jose	121- 7- 43									
MTL-1001	MWSS BLISS	14- 23- 50	PIWDC	/ /79	243.9	25	11.00	115.85	12.24	1	1
	Bliss, Muntinlupa, M.M.	121- 2- 35									
MTL-1002	MWSS Sucat Elementary School	14- 27- 42	Acoje	/ /82	302	25	18.00	48.00	29.40	1	1
	Sucat Elem. School, Sucat, Muntinlupa	121- 3- 09									
MTL-1003	MWSS Poblacion	14- 23- 30	WRSDC	/ /82	305		15.00	51.00	22.32	1	1
	Poblacion, Muntinlupa, M.M.	121- 2- 37									
MTL-1004	MWSS Tunasan	14- 23- 09	PIWDC	/ /82	304.88	25	9.00	26.00		1	1
	Tunasan, Muntinlupa, M.M.	121- 3- 00									
MTL-1005	MWSS Alabang Intersection	14- 25- 9	DCA	/ /81	250	25	13.40	22.00	17.97	1	1
	Alabang Intersection, Muntinlupa	121- 2- 35									
MTL-1006	MWSS Putatan	14- 24- 8		/ /81	305		6	18	38.88	1	1
	Putatan, Muntinlupa, M.M.	121- 2- 56									
MTL-1007	MWSS Cupang Elementary School	14- 26- 0		/ /82	286.58	10				1	1
	Cupang, Muntinlupa, M.M.	121- 2- 54									
MTL-2001	AYALA CORPORATION #13	14- 23- 40	Metro Drillers	/ /	304.88	25	60.43	175.60	15.08	1	
	Taysan St. Blk 1, Phase 10-B , New Alabang Village Alabang, Muntinlupa	121- 1- 10									
MTL-2002	AYALA CORPORATION #26	14- 23- 36	Metro Drillers	/ /84	304.88	25	37.50	132.62	18.61	1	
	Phese 8C, Blk. 23, New Alabang Village, Muntinlupa	121- 1- 15									
MTL-2003	AYALA CORPORATION #16	14- 24- 22	Metro Drillers	/ /	304.88	25	28.40	37.27	25.74	1	
	Country Club Ave., Phase IV, New Alabang Village, Muntinlupa	121- 1- 42									
MTL-2004	AYALA CORPORATION #19	14- 24- 32	Metro Drillers	/ /	304	25	41.07	182.93	10.10	1	
	Phase V Blk. 14, San Juanico St., New Alabang Village, Muntinlupa	121- 01- 45									
MTL-2005	AYALA CORPORATION #29	14- 23- 38	Metro Drillers	/ /84	304.88	25				1	
	Phase 8A , New Alabang Village	121- - 41									
MTL-2006	AYALA CORPORATION #23	14- 25- 15	Metro Drillers	/ /84	304.88	25	56.60	144.48	9.21	1	
	Employees Housing, New Alabang Vill.	121- 1- 52									
MTL-2007	Makati Development Corp. #7	- -		/ /			47.94			1	
	Ayala Alabang, Muntinlupa	- -									
MTL-2008	Makati Development Corp. #6	- -		/ /			38.67			1	
	Ayala Alabang, Muntinlupa	- -									
MTL-2009	Ayala Corporation #6	14- 24- 42	Pacheco	/ /78	304.88	25	26.22	111.28	29.97	1	
	New Alabang Subd., Muntinlupa	121- 1- 28									
MTL-2010	Ayala Corp. New Alabang Vill. #15	14- 23- 59	Metro Drillers	/ /	305	25	20.55	52.26	9.52	1	
	New Alabang Village , Muntinlupa	121- 1- 36									
MTL-2011	Makati Development Corp.#18	- -		/ /			39.30			1	
	Ayala Alabang, Muntinlupa	- -									

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MTL-2012	Ayala Corporation #25 Phase VII, New Alabang Village	14- 25- 36 121- 1- 40	Metro Drillers	/ /83	304.88	25	29.87	91.16	18.93	1	
MTL-2013	Achievers Realty & Dev. Corp. Alabang Hills, Muntinlupa	14- 26- 10 121- 2- 18	Sercon	/ /	245.42	20	41.15	63.40	6.56	1	
MTL-2014	Mintoor Realty Corporation Alabang, Muntinlupa	14- 25- 53 121- 02- 33	DCA	/ /83	274.39	20	15.24	64.02	9.46	1	
MTL-2015	Pepsi Cola Bottlers Inc. #1 Tunasan , Muntinlupa	14- 23- 07 121- 02- 32	Shamrock	/ /67	304.8	30	16.07	78.60	25.25	4	
MTL-2016	Intercontinental Dev. Corp. Village 3, Susana Heigths	14- 21- 55 121- 01- 20	DCA	/ /83	304.8	20	40.96	52.41	18.30	1	
MTL-2017	Hillsborough Alabang Alabang, Muntinlupa	- - - -	Hydro-Wells	/ /83	304.87	33	28.96		32.00	1	
MTL-2018	AFP Mutual Benefits Assn. Inc. Soldiers Hill, Putatan, Muntinlupa	14- 23- 43 121- 1- 39	DCA	/ /82	182.93	20	31.11	85.54	18.36	1	
MTL-2019	AFP Mutual Benefits Assn. Inc. Soldiers Hill, Alabang, Muntinlupa	14- 23- 48 121- 1- 31	DCA	/ /82	182.93	20	25.90	79.10	15.21	1	
MTL-2020	Household Development Corporation Camella Homes, Putatan, Alabang	14- 23- 52 121- 2- 5		/ /88	244	20				1	
MTL-2021	Ayala Corporation Barangay Putatan, Muntinlupa	14- 24- 26 121- 2- 48	Metro Drillers	/ /	121.95	40	7.32	24.70	31.50	1	
MTL-2022	Campvil Engineering Corp. Sucat , Muntinlupa	- - - -	J.B. Hoover	/ /79	153.66	20	5.18	12.50	9.78	8	
MTL-2023	Fil-Estate Mngt. Inc. Alabang, Muntinlupa	14- 26- 15 121- 07- 35	HYDRO	/ /89	274.25	25	63.40	90.05	9.01	1	
MTL-2024	Filipro c/o SMB Muntinlupa, Rizal	- - - -	J.B. Hoover	/ /61	213.41	35	1.83	16.16	56.79	8	
MTL-2025	Firestone Tire & Rubber Co. Alabang, Muntinlupa	14- 26- 53 121- 02- 44	J.B. Hoover	/ /77	195	20		16.10	22.00	8	
MTL-2026	Meralco #3 Muntinlupa	- - - -	J.B. Hoover	/ /72	228.65	35	9.15	28.96	25.30	3	
MTL-2027	Philippine Carpet Mfg. Corp. Sucat , Muntinlupa	- - - -	J.B. Hoover	/ /78	243.9	25	27.44	91.46	5.05	7	
MTL-2028	C. G. Nazario & Sons Inc. Alabang, Muntinlupa	- - - -	J.B. Hoover	/ /60	243.9	40	4.88	73.48	42.28	8	
MTL-2030	Ayala Corporation Alabang, Muntinlupa	- - - -	Shamrock	/ /79	304.88	25	37.27	93.75	30.60	1	
MTL-2031	Firestone Tire & Rubber Plant Alabang, Muntinlupa	14- 26- 56 121- 02- 50	DCA	/ /	195.12	20			3.00	8	
MTL-2032	AFP Mutual Benefits Assn. Inc. Soldiers Hill, Putatan, Muntinlupa	14- 24- 00 121- 1- 58	DCA	/ /80	304.48	20	24.09	54.57	20.51	1	
MTL-2033	Belleville Devt. Inc. Alabang, Muntinlupa	14- 25- 32 121- 1- 32	J.B. Hoover	/ /82	243.9	25	31.71	77.74	16.09	1	
MTL-2034	Nutritional Products Inc. Alabang, Muntilupa	- - - -	J.B. Hoover	/ /64	243.9	35	2.44	3.96	82.03	4	
MTL-2035	Ayala Corporation # 9 New Alabang Subdivision, Muntinlupa	14- 25- 12 121- 1- 14	Pacheco	/ /	304.88		33.54	62.19	16.00	1	
MTL-2036	Pfizer Incorporated Km. 21.5 South Super Hi-Way, Sucat	14- 26- 47 121- 2- 43	PIWDC	/ /	304.88		40.39	85.95	17.35	8	

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MTL-2037	Intercity Properties Incorporation Sucat, Muntinlupa	14- 25- 42 121- 2- 22	Condrill	/ /82	304.8	20	32.32	73.30	12.24	1	
MTL-2038	Trans-Pacific Property Incorporated Muntinlupa, Metro Manila	- - - -	Shamrock	/ /			13.34	17.00	23.66	1	
MTL-2039	U - Bix Corporation Cupang, Muntinlupa	14- 26- 44 121- 2- 47	Admaco	/ /80	244	15	43.00	44.21	7.70	8	
MTL-2040	Victoria Homes	14- 21- 35 121- 0- 33	Recon	/ /	225.61		45.73	90.24	9.47	1	
MTL-2041	Integrated Micro Electronics Km.22, South Super Hi-Way, Cupang	14- 26- 16 121- 2- 48	PIHDC	/ /85	237.6	20	11.69	22.87	33.44	8	
MTL-2042	Susana Heights # 1 Muntinlupa	- - - -		/ /	244					1	
MTL-2043	ALABANG Alabang Muntinlupa	- - - -	Shamrock	/ /	213.4		45.70	70.12	9.50	1	
MTL-2044	Tierra Nueva Realty # 2 Alabang , Metro Manila	14- 25- 45 121- 1- 44		/ /80	304.48	30	38.12	73.17	12.62	1	
MTL-2045	Tierra Nueva Realty #1 Alabang , Muntinlupa	14- 25- 46 121- 1- 45	Shamrock	/ /80	304.8	25	32.02	41.89	31.56	1	
MTL-2046	Advanced Micro Devices NSC Compound, Km. 22, Barrio Cupang	14- 26- 27 121- 2- 42	Acoje	/ /84	213.41	20	14.48	25.51	18.82	8	
MTL-2047	Ayala Corporation Well - C Alabang Golf and Country Club	14- 25- 11 121- 01- 47	Shamrock	/ /79	304.87	33	16.76		20.30	1	
MTL-2048	Intercontinental Dev. Corp. Well #3 Village 6 ,Susana Heights	14- 22- 34 121- 02- 24	DCA	/ /83	310.9	25	30.06	154.29	7.33	1	
MTL-2049	Pfizer Philippines Incorporated # 2 South Super Hi-Way, Sucat	14- 26- 53 121- 2- 45	Ancient	/ /80	128.9	25	32.00	71.96	9.02	8	
MTL-2050	CAPRI COND. CORPORATION Cupang, Alabang, Muntinlupa, M.M.	14- 26- 1 121- 2- 26		/ /78	244	20	16.70	30.70	8.30	9	
MTL-2051	CONSOLIDATED TEXTILE MILLS #1 South Super Hi-way, Sucat, Muntinlupa	- - - -		/ /	217.31	20	16.76	27.13	2.20	7	
MTL-2052	Consolidated Textile #2	- - - -		/ /					6.80	7	
MTL-2053	Consolidated Textile #3	- - - -		/ /						7	
MTL-2054	CDCP #1 Roadways & Toll Facilities, Sucat Interchange, Paranaque, M.M.	- - - -	Island Mach.	/ /80	152	10		96.04	1.26	3	3
MTL-2055	FORD PHILIPPINES South Super Hi-way, Muntinlupa, M.M.	- - - -	Shamrock	/ /77	305	25	43.00	132.90	8.50	3	
MTL-2056	MERALCO #1 Meralco Gardner Station, Muntinlupa	- - - -	J.B. Hoover	/ /66	28.65	40	4.50	9.75	7.00	3	
MTL-2057	MERALCO #2 Muntinlupa, M.M.	- - - -	J.B. Hoover	/ /68	228.65	30	10.37			3	3
MTL-2058	NATIONAL POWER CORPORATION #4 Gardner/Snyder Stn., Sucat	- - - -	Shamrock	/ /79	304.87	30	21.95	60.37	30.56	3	
MTL-2059	FILIPRO #2 Alabang, Muntinlupa, M.M.	- - - -	Shamrock	/ /65	243.9	35	2.44	3.96	81.90	4	
MTL-2060	FILIPRO #3 Muntinlupa, M.M.	- - - -	J.B. Hoover	/ /69	243.8	30	4.57	19.80	39.60	4	

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
MTL-2061	PEPSI COLA BOTTLING #2	- -	SHAMROCK	/ /79	282		9.45	12.30	19.00	1	
	TUNASAN, MUNTINLUPA	- -									
MTL-2062	PALM INVESTMENT INC. #1	- -	Pyramid	/ /	243.9	20	30.48	70.92	15.78	1	
	Augusto Posadas Village, Sucat	- -									
MTL-2063	KAWASAKI INDUSTRIAL CORPORATION	14- 25- 50		/ /	213.41	20			6.00	8	
	South Super Hi-way, Alabang	121- 02- 44									
MTL-2064	TAHANAN VILLAGE #3	- -	J.B. Hoover	/ /79	305	33	24.00		15.00	1	
	Sucat, Muntinlupa, M.M.	- -									
MTL-2065	TAHANAN VILLAGE #1	14- 26- 32	Shamrock	/ /72	215	33	24.00	28.96	17.00	1	
	Sucat Road, Muntinlupa, M.M.	121- 1- 48									
MTL-2066	Ayala Corp. #1	14- 24- 47		/ /						1	
	Alabang, Muntinlupa, M.M.	121- 00- 57									
MTL-2067	AYALA CORPORATION #2	14- 24- 35	Shamrock	/ /78	304.87	20			11.00	1	
	Alabang, Muntinlupa, M.M.	121- 01- 11									
MTL-2068	AYALA CORPORATION WELL A	14- 25- 09	Shamrock	/ /79	304.87	33	24.00	61.00	11.10	1	
	Alabang, Muntinlupa, M.M.	121- 01- 37									
MTL-2069	AYALA CORPORATION WELL B	14- 23- 59	Shamrock	/ /80	304.87		16.77	29.00	40.00	1	
	New Alabang, Muntinlupa, M.M.	121- 01- 33									
MTL-2070	AYALA CORPORATION WELL D	14- 23- 50	Shamrock	/ /79	304.87	33	28.96		32.00	1	
	New Alabang, Muntinlupa, M.M.	121- 00- 39									
MTL-2071	AYALA CORPORATION #3	- -	Shamrock	/ /						1	
	Alabang, Muntinlupa, M.M.	- -									
MTL-2072	AYALA CORPORATION #5	14- 25- 05	Shamrock	/ /79	304.87	30	13.00		33.00	1	
	Alabang, Muntinlupa, M.M.	121- 01- 24									
MTL-2073	AYALA CORPORATION #7	14- 25- 07	Shamrock	/ /79	304.87	30	21.64		11.10	1	
	Employment Housing Area, Muntinlupa	121- 01- 43									
MTL-2074	AYALA CORPORATION #8	14- 25- 14	Acoje	/ /80	304.8	25	31.00	64.02	32.09	1	
	New Alabang Subdivision, Alabang	121- 00- 30									
MTL-2075	AYALA CORP. #10	14- 25- 09	SHAMROCK	/ /80	304.8	25	36.58		8.50	1	
	ALABANG, MUNTINLUPA	121- 01- 08									
MTL-2076	AYALA CORPORATION #11	14- 24- 32	Shamrock	/ /79	304.8	25	37.28		9.00	1	
	Alabang, Muntinlupa, M.M.	121-00- 59									
MTL-2077	AYALA CORP. #4	14- 24- 25		/ /78	304.8	25			8.50	1	
	ALABANG, MUNTINLUPA	121- 01- 20									
MTL-2079	BUREAU OF PRISON	- -	Acoje	/ /	243.9		49.00	73.17	15.78	2	
	Muntinlupa, M.M.	- -									
MTL-2080	MAKATI GOLF #1	- -	Acoje	/ /76	243.9	25	27.00	27.56	15.78	3	
	Alabang, Muntinlupa, M.M.	- -									
MTL-2081	NWSA HOME FOR BOYS	- -	NWSA	/ /59	133	15	16.00	32.00	5.00	2	
	Alabang, Muntinlupa, M.M.	- -									
MTL-2082	PACIFIC MULTI-HOMES, INC.	- -	Shamrock	/ /77	304.87	20	50.00	74.00	20.70	1	
	Alabang, Muntinlupa, M.M.	- -									
MTL-2083	PLEASANT VILLAGE SUBDIVISION	- -	Pyramid	/ /	182.9	20	24.00		12.62	1	
	Pleasant Village Subd., Muntinlupa	- -									
MTL-2084	PHILIPPINE TRAINING SCHOOL FOR GIRLS	- -	Shamrock	/ /68	152.43	25	20.00	63.10	4.41	2	
	Alabang, Muntinlupa, M.M.	- -									
MTL-2085	Agro Dev. Corp.	- -		/ /80	182.92	20	24.39	54.87	12.37	1	
		- -									

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MTL-2086	STATE MOSAIC CORPORATION	- -		/ /					5.50	1	
	Sucat Road, Paranaque, M.M.	- -									
MTL-2087	Consolidated Mills #1	- -		/ /	363		37.00		11.00	7	
		- -									
MTL-2088	Consolidated Mills #2	14- 27- 13		/ /					2.70	7	
		121- 02- 55									
MTL-2089	Consolidated Mills #3	- -		/ /					2.70	7	
		- -									
MTL-2090	Consolidated Mills #4	14- 27- 12		/ /					2.70	7	
		121- 02- 54									
MTL-2091	Consolidated Mills #5	- -		/ /					2.70	7	
		- -									
MTL-2092	SOLID MILLS #6	- -		/ /					3.70	7	
	Sucat, Muntinlupa	- -									
MTL-2093	SOLID MILLS #7	- -		/ /					4.60	7	
	Sucat, Muntinlupa	- -									
MTL-2094	SOLID MILLS #8	14- 27- 13		/ /					4.60	7	
	Sucat, Muntinlupa	121- 02- 41									
MTL-2095	CONCEPCION	- -		/ /					2.70	8	
	Cupang, Muntinlupa	- -									
MTL-2096	ECCO ASIA	- -		/ /72	249	30	7.32	36.28	24.00	8	
	Cupang, Muntinlupa	- -									
MTL-2097	3M	14- 26- 40		/ /					11.00	8	
	Cupang, Muntinlupa	121- 02- 44									
MTL-2098	Consolidated Mills #10	- -		/ /					2.70	8	
		- -									
MTL-2099	Corinthian #1	14- 27- 45		/ /					30.00	1	
	Cupang, Muntinlupa	121- 02- 59									
MTL-2100	CORINTHIAN #2	- -		/ /					11.00	1	
	Cupang, Muntinlupa	- -									
MTL-2101	CORINTHIAN #3	- -		/ /					4.00	1	
	Cupang, Muntinlupa	- -									
MTL-2102	CDI	- -		/ /					3.00	8	
	Cupang, Muntinlupa	- -									
MTL-2103	CAPRI	14- 26- 07		/ /	243.9	20			3.00	1	
	Cupang,-Muntinlupa	121- 02- 27									
MTL-2104	EMBASSY VILLAGE	14- 26- 13		/ /					3.00	1	
	Cupang, Muntinlupa	121- 02- 40									
MTL-2105	RIZAL VILLAGE SUBD.	- -		/ /	182.88	20	16.75		12.00	1	
	Alabang, Muntinlupa	- -									
MTL-2106	ALABANG HILLS SUBDIVISION #1	- -	Acoje	/ /	304.87	20	47.73	63.35	9.47	1	
	Alabang Hills Subd., Muntinlupa	- -									
MTL-2107	ALABANG HILLS CORP. #2	- -		/ /					11.00	1	
	Alabang, Muntinlupa	- -									
MTL-2108	Alabang Hills Village #3	- -		/ /					11.00	1	
	Alabang, Muntinlupa	- -									
MTL-2109	ALABANG HILLS SUBDIVISION #4	- -	Pyramid	/ /70	300.3	30	24.39		15.78	1	
	Alabang Hills Subd., Muntinlupa	- -	Drilling								

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MTL-2110	Serum Vaccine #1	- -	BPW	/ /		25	19.05			5	3
	Alabang, Muntinlupa	- -									
MTL-2111	Serum Vaccine #2	- -	BPW	/ /		25				5	3
	Alabang, Muntinlupa	- -									
MTL-2112	Serum Vaccine #3	- -	BPW	/ /		25			4.00	5	
	Alabang, Muntinlupa	- -									
MTL-2113	SERUM VACCINE #4	14- 25- 01		/ /		25	19.13		3.00	5	
	Alabang, Muntinlupa	121- 02- 30									
MTL-2114	AYALA #6	14- 24- 36		/ /		30			14.00	1	
	Alabang, Muntinlupa	121- 01- 45									
MTL-2115	AYALA #12	14- 23- 58		/ /	305.00		52.00		19.00	1	
	Alabang, Muntinlupa	121- 00- 37									
MTL-2116	AYALA #30	14- 23- 55		/ /					9.00	1	
	Alabang, Muntinlupa	121- 00- 40									
MTL-2117	MA. LUISA MADRIGAL VASQUEZ #1	14- 25- 37		/ /					0.40	1	
	Alabang, Muntinlupa	121- 1- 32									
MTL-2118		- -		/ /					0.50	1	
	Alabang, Muntinlupa	- -									
MTL-2119	BRICKTOWN DEV'T CORP. #3	14- 29- 55		/ /					11.10	1	3
	Alabang, Muntinlupa	120- 59- 13									
MTL-2120	BRICKTOWN DEV'T CORP. #2	14- 29- 43		/ /					11.10	1	3
	Alabang, Muntinlupa	121- - 16									
MTL-2121	VILLA CAROLINA SUBD. #1	- -		/ /					3.00	1	3
	Tunasan, Muntinlupa	- -									
MTL-2122	VILLA CAROLINA SUBD. #2	- -		/ /					3.00	1	3
	Tunasan, Muntinlupa	- -									
MTL-2123	SMC #1	14- 22- 53		/ /					7.00	4	
	Tunasan, Muntinlupa	121- 22- 34									
MTL-2124	SMC #2	- -		/ /					7.00	4	
	Tunasan, Muntinlupa	- -									
MTL-2125	TERAUREL ENTERPRISES	- -		/ /60	91.46	10	12.19	18.29	1.89	8	
	Muntinlupa, M.M.	- -									
MTL-2126	SOUTH GREEN HEIGHTS #1	- -		/ /71	91.46	15	24.00		1.26	1	
	Putatan, Muntinlupa	- -									
MTL-2127	CONSOLIDATED TEXTILE #4	- -	Shamrock	/ /					2.50	7	
	Sucat, Muntinlupa, M.M.	- -									
MTL-2128	CONSOLIDATED MILLS, INC. #5	- -	Shamrock	/ /66	213.14		17.68	43.38	7.57	7	
	Bo. Pobapas, Muntinlupa, M.M.	- -									
MTL-2129	SOUTH GREEN HTS. #2	- -		/ /78	91.46	15	36.58		4.00	1	
	Muntinlupa	- -									
MTL-2130	MERALCO #5	- -		/ /	243.90	50			11.00	8	
	Bo. Buli, Muntinlupa	- -									
MTL-2131	AMEX AGGREGATES	- -		/ /79	121.95	15			3.00	1	
	Alabang, Muntinlupa	- -									
MTL-2132	POSADAS SUBD. #2	- -		/ /78		20			3.00	1	
	Alabang, Muntinlupa	- -									
MTL-2133	UNITED IND'L SUBD.	- -		/ /					3.00	1	
	Muntinlupa	- -									

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MTL-2134	WORLDWIDE PAPER MILLS Muntinlupa	14- 27- 25 121- 02- 55		/ /					2.70	7	
MTL-2135	BENEDECTINE SCHOOL Muntinlupa	- - - -		/ /						2	3
MTL-2136	PHIL. CARPET #2 Muntinlupa	- - - -		/ /	243.9	25			5.05	8	
MTL-2137	AMSPEC Muntinlupa	- - - -		/ /	213.41	20			9.30	8	
MTL-2138	NIPPON PAINT Muntinlupa	- - - -		/ /		10	27.00		8.30	8	
MTL-2139	RIZAL VILLAGE SUBD. Muntinlupa	- - - -		/ /76	182.92	20	16.75		4.50	1	3
MTL-2140	PEPSI COLA BOTTLERS PHIL. Muntinlupa	14- 23- 04 121- 02- 33	HYDRO	/ /	183	30				7	3
MTL-2141	C & H MFG. CORP. Muntinlupa	- - - -	Shamrock	/ /79	152.43	25			2.70	8	
MTL-2142	Trans Pacific Corp.	- - - -		/ /	243.9	20			21.30	8	
MTL-2143	Pepsi Cola #3	- - - -	SHAMROCK	/ /78	243.9	25	11.28	19.54	2.05	4	
MTL-2144	BUREAU OF PRISON #1 Muntinlupa	14- 23- 17 121- 01- 55		/ /	182.92	20	71.64	76.21	15.87	2	
MTL-2145	BUREUA OF PRISON #2 Muntinlupa	- - - -		/ /	182.92	20	70.12	76.21	15.87	2	3
MTL-2146	Bureau of Prison #3 Muntinlupa	14- 23- 54 121- 00- 47		/ /	182.92	20	70.12	75.21	15.87	2	
MTL-2147	AGRO HOMES SUBD. Putatan, Muntinlupa, M.M.	14- 24- 00 121- 01- 58	B.R. Dizon	/ /80	182.92	20	24.39	54.87	12.37	1	
MTL-2148	Bureau of Prison #4 Muntinlupa	- - - -		/ /					13.00	2	3
MTL-2149	Bureau of Prison #5 Muntinlupa	14- 23- 53 121- 01- 46		/ /		25			13.00	2	
MTL-2150	Bureau of Prison #6 Muntinlupa	- - - -		/ /					5.00	2	
MTL-2151	Bureau of Prison #7 Muntinlupa	- - - -		/ /					5.00	2	3
MTL-2152	Bureau of Prison #8 Muntinlupa	- - - -		/ /					13.00	2	3
MTL-2153	South Green Heights Subd.	- - - -		/ /					3.70	1	
MTL-2154	Metroflix Com.	- - - -		/ /					2.70	3	
MTL-2155	Filipinas Galvanizing & Steel	- - - -		/ /					3.70	8	
MTL-2156	Aclem Mfg.	- - - -		/ /					10.00	7	
MTL-2157	Phil. Steel Coating	- - - -		/ /					7.00	8	

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MTL-2158	BAI	14- 25- 19 121- 02- 30		/ /					3.00	2	
MTL-2159	New Alabang Village	- - - -	SERCON	/ /83	245.42	20	41.15	63.40	6.56	1	
MTL-2161	INTERPHIL LABORATORIES Sucat, Muntinlupa, M.M.	14- 26- 53 121- 02- 34	PIWDC	/ /83	304.88	20	71.60	138.70	8.30	5	
MTL-2162	MOTION PICTURE LABORATORIES, INC. Sucat, Muntinlupa, M.M.	- - - -	PIWDC	/ /84	305	15	83.90	16.30	3.90	8	
MTL-2163	INTERPHIL LABORATORIES Sucat, Muntinlupa, M.M.	14- 26- 53 121- 02- 34	PIWDC	/ /88	305	25	74.70	144.62	5.53	5	
MTL-2165	Construction Strategies Putatan	- - - -	HYDRO	/ /89	183	20				1	
MTL-2166	AYALA CORPORATION Putatan, Muntinlupa, M.M.	14- 24- 26 121- 2- 48	Metro Drillers	/ /89	121.95	40	7.32	24.68	31.56	1	
MTL-2167	Tierra Nueva Alabang	14- 25- 45 121- 1- 44		/ /					3.20	1	
MTL-2168	Harvester Bagbagin	14- 22- 24 121- 2- 46		/ /					2.00	1	
MTL-2169	Harvester Bagbagin	14- 22- 12 121- 2- 45		/ /					2.00	1	
MTL-2170	Posadas Realty Sucat	14- 27- 48 121- 3- 1		/ /					5.00	1	
MTL-2171	Household Dev. Corp. Putatan	14- 24- 20 121- 2- 7		/ /					3.07	1	
MTL-2172	Cerf Realty Putatan	14- 23- 33 121- 2- 22		/ /					1.80	1	
MTL-2173	BCIC Tunasan	14- 22- 37 121- 2- 51		/ /					3.24	1	
MTL-2174	Trimica Inc. Bagbagin	14- 23- 26 121- 2- 53		/ /					0.65	8	
MTL-2175	Simca Construction & Dev. Putatan	14- 23- 36 121- 7- 37		/ /					1.80	1	
MTL-2176	Reticulum Dev. Inc. Bagbagin	14- 22- 50 121- 2- 45		/ /.					1.60	1	
MTL-2177	Peak Dev. Inc. Bagbagin	14- 22- 30 121- 1- 55		/ /					7.80	1	
MTL-2178	Interphil Laboratories #3 Samson Road, Cor. West Service Road	14- 26- 55 121- 2- 35		/ /					7.57	5	1
MTL-2179	Pepsi Cola #4 Tunasan	14- 23- 5 121- 2- 28		/ /					6.31	4	1
MTL-2180	3M #2 East Service Road, Cupang	14- 26- 41 121- 2- 42		/ /					11.36	8	1
MTL-2181	Serum & Vaccine Laboratories Alabang	14- 24- 59 121- 2- 30		/ /					14.51	5	1
MTL-2182	Intercontinental Dev. Corp. #2 Susana Heights, Putatan	14- 22- 31 121- 2- 18		/ /77					7.25	1	1
MTL-2183	Intercontinental Dev. Corp. #4 Susana Heights, Putatan	14- 21- 55 121- 1- 10		/ /					7.25	1	1

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MTL-2184	Solid Mills #10	14- 27- 15		/ /					22.08	7	1
	Sucat	121- 2- 43									
MTL-2185	Department of Social Welfare & Dev.	14- 25- 39		/ /					0.31	2	1
	Elsie Gaches Village, Ayala Alabang	121- 1- 41									
MTL-2186	Department of Social Welfare & Dev.	14- 25- 41		/ /					0.08	2	1
	Elsie Gaches Village, Ayala Alabang	121- 1- 39									
MTL-2187	Department of Social Welfare & Dev.	14- 25- 40		/ /					0.12	2	1
	Elsie Gaches Village, Ayala Alabang	121- 1- 42									
MTL-2188	Department of Social Welfare & Dev.	14- 25- 39		/ /					0.12	2	1
	Elsie Gaches Village, Ayala Alabang	121- 1- 42									
MTL-2189	Department of Social Welfare & Dev.	14- 25- 35		/ /			15.85		5.05	2	1
	Lingap Center NCR, Alabang-Zapote Rd.	121- 1- 49									
MTL-2190	Ayala Land Inc.	14- 24- 30		/ /					6.43	1	1
	Maria Cristina St.	121- 1- 13									
MTL-2191	Ayala Land Inc.	14- 23- 40		/ /					7.80	1	1
	Taysan St.	121- 1- 11									
MTL-2192	Trans Pacific	- -		/ /81	244		18.30	21.72	35.90	1	
	Tunasan	- -									
MTL-2193	TRANS PACIFIC PROPERTY INC.	- -	Shamrock	/ /81	243.8		13.00	16.83	23.63	1	
	Muntinlupa, M.M.	- -									
MTL-2194	Trans Pacific	- -		/ /80	243.9		18.50	22.02	35.90	1	
	Tunasan	- -									
MTL-2196	PEPSI COLA BOTTLERS PHILS., INC.	- -		/ /	177					4	
	Tunasan	- -									
MTL-2197	Zilog #3	- -		/ /81	274.3		56.40	135.15	6.30	8	
	Sucat	- -									
MTL-2198	Bagatsing Farm #1	- -		/ /	91.4		40.00	50.00	0.50	1	
		- -									
MTL-2199	Bagatsing Farm #2	- -		/ /79	182.9		42.70		3.15	1	
		- -									
MTL-2200	Central Elem. School	- -		/ /61	59.45		6.09	7.64	0.31	2	
		- -									
MTL-2201		- -		/ /80	244		44.80			1	
	Cupang	- -									
MTL-2202		- -		/ /82	304.9		32.31			1	
	Cupang	- -									
MTL-2204	Makati Gold #1	- -		/ /76	243.9		27.00	98.72	15.78	3	
		- -									
MTL-2205		- -		/ /54	62.5		16.77	25.91	12.62	1	
	Poblacion	- -									
MTL-2206	Ayala Corp.	14- 24- 26		/ /88	122		7.32	24.69	31.56	1	
	Putatan	121- 2- 48									
MTL-2207	Soldiers Hill	14- 23- 43		/ /82	182.93		31.11	85.54	18.36	1	
		121- 1- 39									
MTL-2208		14- 26- 31		/ /80	181.36		24.18			1	
	South Exoress Road	121- 2- 27									
MTL-2209	Susana Heights	- -		/ /82	244				29.50	1	
		- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	SW USE	STATUS
NAV-1001	MWSS NHA #1 NHA, Navotas	14- 38- 54 120- 57- 15	Shamrock	/ /76	243.80	20	44.50	73.10	4.73	1	1
NAV-1002	MWSS Tanza, Merville Merville Subd., Tanza, Navotas	14- 40- 54 120- 56- 2	WRSDC	/ /80	304.80	20	12.60	36.00	7.00	1	1
NAV-2001	Luz Ice Plant #4 Well #1 North Bay Blvd., Bangkulasi, Navotas	14- 38- 24 120- 57- 23	DCA	/ /83	177.00	20	97.18	117.80	8.50		
NAV-2002	Luz Ice Plant #4 Well #2 North Bay Blvd., Navotas	14- 38- 24 120- 57- 24	DCA	/ /83			71.88	104.64	9.44		
NAV-2003	FRABELLE FISHING CORPORATION 1051 North Bay Blvd., Navotas, M.M.	- - - -	PIWDC	/ /86	305.00	20	81.14	107.20	15.96	8	
NAV-2004	FISHWEALTH CANNING CORPORATION North Bay Blvd., Navotas, M.M.	- - - -	PIWDC	/ /88	305.00	20	75.20	108.50	16.40	4	
NAV-2005	Esso Standard Inc. Navotas	- - - -	Lopez	/ /69	250.00	20	38.10		4.00	3	
NAV-2006	Esso Station Navotas	- - - -	Shamrock	/ /76	220.00		24.40		3.15	3	
NAV-2007	NHA Navotas	- - - -	Shamrock	/ /80	243.80	30	20.00	35.60	11.40	1	
NAV-2008	NATIONAL HOUSING AUTHORITY #5 Dagat-Dagatan, Phase II, Navotas	- - - -	Shamrock	/ /80	277.30	30	75.60	84.40	7.80	1	
NAV-2009	Metropolitan Literage Navotas	- - - -	Shamrock	/ /67	222.90	20	11.30	99.90	12.40	8	
NAV-2010	Barrio Tanza Navotas	- - - -	BPW	/ /57	205.70	10	28.30			1	3
NAV-2011	NHA Navotas	- - - -		/ /	305.00		8.30		10.00	1	
NAV-2012	NHA Navotas	- - - -		/ /					12.00	1	
NAV-2013	Barrio Tanza Navotas	- - - -	BPW	/ /56	220.90	15	32.00	35.00	0.63	1	
NAV-2014	Magsimpan Ice Plant Navotas	- - - -	Shamrock	/ /	306.09	15	75.44		10.00	8	
NAV-2015	Magsimpan Ice Plant Navotas	- - - -	Shamrock	/ /	304.80	15	79.26		10.00	8	
NAV-2016	Caltex Navotas	- - - -	Shamrock	/ /	247.50	15				3	3
NAV-2017	Vifel Ice Plant & Cold Storage 227 North Bay Blvd., Navotas	14- 38- 28 120- 57- 21		/ /79	304.80	20	64.00		6.94	8	
NAV-2018	Frabel Fishing Navotas	- - - -		/ /					7.40	8	
NAV-2019	L. Lopez Navotas	- - - -		01/21/50	281.40		0.46		0.40	3	
NAV-2020	NHA Navotas	- - - -	Shamrock	/ /81	274.39	30				1	3
NAV-2021	A. Luna St., Sipak, Navotas	- - - -		/ /55	173.78		5.49		3.79	1	
NAV-2022	Barrio Tanza, Navotas	- - - -		/ /61	205.70		28.30		12.62	1	

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NAV-2023		- -		/ /66	214.53		11.69		1.26	1	
	Daang Bangko, Navotas	- -									
NAV-2024		- -		/ /52	274.39		6.09			1	
	Barrio Tanza, Navotas	- -									
NAV-2025		- -		/ /57	30.48		26.35		0.31	1	
	Barrio Tanza, Navotas	- -									
NAV-2026	Vifel Ice Plant	- -		/ /62	332.84		69.67		6.93	8	
	Navotas	- -									
NAV-2027		- -		/ /59	184.45		9.15		0.63	8	
	Kawa Tangos, Navotas	- -									
NAV-2028		- -		/ /51			7.62		3.16	1	
	Zamora St., Navotas	- -									
NOV-1001	MWSS #6	14- 25- 12	Goldwater	/ /83	305.00					1	1
	Abandoned Railroad, Novaleta	120- 52- 15									
NOV-1002	MWSS #7	14- 25- 17		/ /83	299.00		13.00	30.00	28.40	1	3
	Abandoned Railroad, Novaleta	120- 52- 26									
NOV-1003	MWSS #8	14- 25- 21		/ /83	299.00		14.00	32.00	40.32	1	1
	Abandoned Railroad, Novaleta	120- 52- 35									
NOV-1004	MWSS	14- 25- 53	Goldwater	/ /83	304.00	20	13.00	21.00	34.20	1	3
	Novaleta Elem. School, Novaleta	120- 52- 41									
NOV-2001	Household Dev. Corp.	- -	Hydro	/ /88						1	
	Novaleta	- -									
NOV-2002	I Reyes	14- 26- 0		/ /81					0.40	1	
	San Rafael, Novaleta	120- 52- 44									
NOV-2003	F. Serreal	14- 25- 52		/ /81					0.40	1	
	San Rafael, Novaleta	120- 52- 46									
NOV-2004	Magsaysay	- -	SPW	/ /56						1	3
	San Rafael, Novaleta	- -									
NOV-2005	NWSA	- -	SPW	/ /	33.50	15	6.10	7.62	0.95	1	
	San Antonio, Novaleta	- -									
NOV-2006	NWSA	- -		/ /	96.60	15	1.52	4.52	12.61	1	
	Alvarez St., Novaleta	- -									
NOV-2007		- -		/ /54	76.22		1.52		1.26	1	
	Alvarez St., Novaleta	- -									
NOV-2008		- -		/ /60	78.04		0.91		0.44	1	
	San Juan, Novaleta	- -									
NOV-2009		- -		/ /67	115.85		0.30			1	
	San Rafael, Novaleta	- -									
PSN-1001	MWSS Sucat Road #1	14- 28- 24	Kotwell	/ /77	243.30	25	25.72	76.66	26.50	1	3
	Sucat Road, San Dionisio, Paranaque	121- 0- 14									
PSN-1002	MWSS Sucat Road #2	14- 28- 6	Condrill	/ /80	244.00	25	32.00	47.25	15.00	1	1
	Sucat Road, San Dionisio, Paranaque	121- 0- 45									
PSN-1003	MWSS Sto. Nino	14- 30- 16	Condrill	/ /77	57.68	20	20.42	36.28	11.55	1	3
	Sto. Nino, Paranaque	120- 59- 41									
PSN-1004	MWSS La Huerta	14- 30- 01	NWSA	/ /	137.19	20	32.92	103.65	3.15	1	1
	La Huerta, Paranaque	120- 59- 24									
PSN-1005	MWSS MIA #2	14- 30- 32	NIA	/ /80	256.00	25	29.00	44.94	20.07	1	3
	MIA Complex, Paranaque, M.M.	121- 0- 28									

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PRN-1006	MWSS MIA #5	14- 30- 23	NIA	/ /80	256.03	25				1	3
	MIA Complex, Paranaque, M.M.	121- 0- 20									
PRN-1007	MWSS MIA #6	14- 30- 17	Lopez	/ /80	304.87	25				1	3
	MIA Complex, Paranaque, M.M.	121- 0- 17									
PRN-1008	MWSS Sucat Road #3	14- 29- 18	WPSDC	/ /81	176.82					1	3
	Sucat Road, San Dionisio, Paranaque	120- 59- 25									
PRN-1009	MWSS San Dionisio	14- 29- 43	WPSDC	/ /	181.40	20	26.00	91.46	21.00	1	
	San Dionisio, Paranaque	120- 59- 17									
PRN-1010	MWSS MIA #1	14- 30- 54	NIA	/ /80	256.00	25	28.00	37.00	21.00	1	1
	MIA Complex, Paranaque, M.M.	121- 0- 11									
PRN-2001	Greenvale Subdivision	- -	Eurasia	/ /86	198.17	20	90.85	149.59	0.57	1	
	Greenvale Homes, Hemlock St.	- -									
PRN-2002	UPS-4 Homeowners Assn. Inc.	14- 27- 51	Desco	/ /90	243.90	15			2.65	1	
	United Paranaque Subdivision - 4	121- 02- 19									
PRN-2003	JR Garment Corporation	- -		/ /88	213.41	12.5	90.40	107.50	0.50	8	
	United Paranaque	- -									
PRN-2004	Equity Homes Inc.	14- 28- 30	J. Manuel	/ /88	213.40	20	91.46	137.20	1.14	1	
	Savvy 25 Subd. km 18, San Dionisio	121- 2- 37									
PRN-2005	Mac Donalds	14- 27- 34	Metro Drillers	/ /88	244.00	20	78.35	146.49	4.22	3	
	Sucat Road cor. Pres. Ave. Paranaque	121- 1- 50									
PRN-2006	Jose S. Nery	14- 28- 40	Sercon	/ /89	182.93	10				1	
	J.S. Nery Cpd., Bo. San Dionisio	121- 1- 6									
PRN-2007	St. Martin Mgt. & Dev. Corp.	14- 27- 49	Sercon	/ /86	243.90	20	74.08	102.74	6.50	1	
	St. Martin Subd., San Dionisio	121- 1- 59									
PRN-2008	Mr. Michael Reyes Co.	14- 28- 2	Miguel	/ /90	243.90	15	79.27	121.95	1.58	1	
	Severina 18, Paranaque	121- 2- 28									
PRN-2009	Ultima Development Incorporated	14- 28- 13		/ /83	182.93	20	102.90	123.00	2.49	1	
	San Dionisio, Paranaque	121- 2- 17									
PRN-2010	Tahanan Homeowners Asso. Inc. #6	14- 26- 33	Sercon	/ /87	244.00	20	51.52	72.25	10.10	1	
	San Dionisio, Paranaque	121- 1- 59									
PRN-2011	RBG - Sercon	- -		/ /	168.00	20				1	
	Gatchalian Subd. I, Dr. A. Santos Ave.	- -									
PRN-2012	Everbright Net & Twine Mfg. Corp.	14- 29- 54	DCA	/ /81	243.90	15	92.15	102.20	9.43	8	
	Edison Road, Paranaque	121- 1- 50									
PRN-2013	Zilog Philippines Inc. #5	14- 27- 16	Lucas	/ /89	199.00	20	70.00	134.00	3.90	8	
	Sucat , Paranaque	121- 2- 35									
PRN-2014	Bahagheri Ind. Estate	14- 27- 14	DCA	/ /81	304.88	20			2.21	1	
	San Dionisio , Paranaque	121- 2- 20									
PRN-2015	Solid Industries Inc.	14- 27- 31	DCA	/ /82	243.90	15	71.62	105.73	4.33	8	
	Magna Rubber Cpd., Sucat, Paranaque	121- 2- 25									
PRN-2016	BF Homes #30	14- 27- 18	Hydro	/ /89	305.00	25	96.48	156.93	9.30	1	
	Blk. 9 Lot 1, F. Cruz St., BF Homes	121- 0- 35									
PRN-2017	Packaging Products Inc.	- -	Shamrock	/ /80	274.39	15	41.77	78.10	10.41	4	
	Sucat, Paranaque	- -									
PRN-2018	BF Homes #6	14- 26- 31	Pyramid	/ /74	304.88	30	24.00		46.00	1	
	W. Vinson Street , Paranaque	121- 01- 16									
PRN-2019	Motorola Philippines Inc.	14- 27- 57	Hydro	/ /84	275.00	20	118.90	174.58	2.52	8	
	Champaca Avenue, United Paranaque	121- 2- 15									

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PRN-2020	BF Homes #5	14- 26- 46	Pyramid	/ /75	304.88	30	17.00		33.00	1	
	Abelardo Street, Paranaque	121- 00- 35									
PRN-2021	Philacor Well #3	14- 27- 35	DCA	/ /84	305.00	20	96.40	142.00	3.78	8	
	Sucat, Paranaque	121- 2- 21									
PRN-2022	BF Homes #25	14- 27- 49	DCA	/ /84	365.85	25	91.44	115.95	32.00	1	
	C. Benitez St. Phase II - BF Homes	121- 0- 54									
PRN-2023	Motorola Philippines Inc.	14- 28- 24		/ /85	237.80	20				8	
	South Super Highway , Paranaque	121- 2- 38									
PRN-2024	BF Homes #8	- -		/ /74	365.85	30	10.01	40.75	25.05	1	
	Tourist Avenue, Paranaque	- -									
PRN-2025	Novelty Philippines	- -	Sercon	/ /78	213.41	20	83.84	97.87	12.62	8	
	South Super Highway	- -									
PRN-2026	BF Homes #11	14- 25- 58		/ /76	304.88	30				1	3
	BF Homes Phase VI, Paranaque	121- 01- 09									
PRN-2027	Unifish	- -	Sercon	/ /88	244.00	20				8	
	Paranaque	- -									
PRN-2028	BF Homes #4	- -		/ /72	304.88		25.30		15.78	1	
	Sison Street , Paranaque	- -									
PRN-2029	Kraft Foods Inc.	- -		/ /88	229.00	20	93.50		2.40	4	
	Dr. A. Santos Avenue, Paranaque	- -									
PRN-2030	BF Homes Well #40	14- 26- 28	Original	/ /90	305.00	25	116.04	164.63	7.57	1	
	BF Homes , Paranaque	121- 0- 33									
PRN-2032	BF Homes Paranaque Well #21	- -	Original	/ /88	305.00	25	92.38	126.40	12.11	1	
	BF Homes Phase IV , Paranaque	- -									
PRN-2033	La Suerte Cigar #1	- -	Orbit	/ /85	243.90	20	118.29		5.34	8	1
	South Super Highway , Paranaque	- -									
PRN-2034	BF Homes #28	14- 26- 23	MPI	/ /89	305.00	25	40.00	60.00	26.00	1	
	Blk. 2 , Lot 1, Hernandez Portion	121- 0- 32									
PRN-2035	El Grande Hotel	- -		/ /74	304.88	30	32.00		30.00	3	
	Paranaque	- -									
PRN-2036	BF Homes #22	14- 27- 48	DCA	/ /83	243.83	25	82.28	106.88	29.28	1	
	Madrid Street, BF Homes Subdivision	121- 0- 2									
PRN-2037	De Guzman Development Corporation	14- 30- 40		/ /81	173.78	15	22.87	35.98	1.39	1	
	Imelda Avenue, Paranaque	120- 59- 59									
PRN-2038	BF Homes #35	14- 27- 4	Hydro	/ /90	305.00	25				1	
	Hiroshima Street cor. Tropical Ave.	121- 0- 19									
PRN-2039	Zilog Philippines Inc.	14- 27- 18	Hydro	/ /86	305.00	20	82.00	172.50	1.49	8	
	Sucat, Paranaque	121- 02- 38									
PRN-2040	BF Homes Well #32	14- 26- 47	FDC	/ /90	305.00	25	110.55	154.86	14.32	1	
	J. Elizalde Street, Paranaque	121- 0- 54									
PRN-2041	Good Year Servitek	- -	Sercon	/ /88	152.00	10				8	
	Sucat Road, Paranaque	- -									
PRN-2042	BF Homes Well #31	14- 26- 56	Sercon	/ /90	250.00	25	60.20	121.12	21.67	1	1
	BF Homes Paranaque	121- 0- 44									
PRN-2043	Aquedo Bernabe Subdivision	- -		/ /88	122.00	15				1	
	San Crispin Street, Paranaque	- -									
PRN-2044	BF Homes #39	14- 27- 24	V.R. Romero	/ /90	305.00	25	93.57	171.70	8.20	1	1
	B. Aquino Street, BF Homes Paranaque	121- 1- 54									

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PRN-2045	Philacor Well #7	- -		/ /88	269.00	20				8	
	Sucat Road, Paranaque	- -									
PRN-2046	BF Homes #27	14- 27- 38	Hydro	/ /89	305.00	25	39.00	80.25	9.05	1	
	Blk 6 Lot 1, Ph. 3, Santiago Portion	121- 0- 27									
	Portion BF, Paue.										
PRN-2047	La Suerte Cigar #2	- -	Orbit	/ /85	243.90	20	95.73		6.31	8	1
	South Super Highway, Paranaque	- -									
PRN-2048	BF Homes #10	- -		/ /76	182.93	30	19.51			1	
	Paranaque	- -									
PRN-2049	South Bay Development Corp.	14- 26- 57	DCA	/ /81	307.93	20			6.62	1	
	San Dionisio, Paranaque	121- 2- 12									
PRN-2050	Philacor	- -	Shamrock	/ /67	243.90	25	6.09	45.73	9.50	8	
	Sucat, Paranaque	- -									
PRN-2051	Gelmart Inds. of The Philippines	- -	Shamrock	/ /71	304.88	25	80.49	133.54	14.26	8	
	South Super Highway, Paranaque	- -									
PRN-2052	Camella Homes	- -	B.R. Dizon	/ /88	244.00	25				1	
	Sucat Road, Paranaque	- -									
PRN-2053	Oyster Shopping Village	14- 29- 27	PIWDC	/ /84	243.90	20	35.98	68.18	6.94	1	
	Imelda Avenue, Paranaque	120- 59- 21									
PRN-2054	General Foods Inc.	- -	PIWDC	/ /88	244.00	20	112.80	181.10	1.15	4	
	Severina Subdivision, Paranaque	- -									
PRN-2055	Univac Development Inc.	14- 28- 1	Miguel	/ /	243.90	15	65.55	99.10	4.42	1	
	Dreamland, Sucat, Paranaque	121- 1- 28									
PRN-2056	Marina Properties Corporation	14- 31- 1	Lardizabal	/ /83	365.85		30.49	102.13	5.80	1	
	Mla. Bay Reclamation Area, Paranaque	120- 59- 17									
PRN-2057	Bricktown Development Corporation	14- 29- 0	AGB	/ /81	243.90	25	17.68	32.93	12.62	1	
	Paranaque, Metro Manila	121- 0- 10									
PRN-2058	United Paranaque Home-Owner Asso.	14- 29- 53	Cyclone	/ /82		25	69.21	104.58	6.12	1	
	Paranaque, Metro Manila	121- 2- 40									
PRN-2059	Casa Filipina	14- 28- 12	J. B. Hoover	/ /83	250.00		57.00	74.50	6.00	1	
	San Dionisio, Parangue	121- 1- 51									
PRN-2060	American Micro System Philippines	14- 27- 31	ADMACO	/ /83	268.29		95.73	176.83	2.78	8	
	Sucat Road, Paranaque	121- 2- 6									
PRN-2061	Novelty Philippines	14- 28- 38	Sercon	/ /83	182.93	20	60.06	79.27	1.29	1	
	La Huerta, Paranaque, Metro Manila	121- 2- 37									
PRN-2062	United Paranaque Home-Owners Asso.	14- 29- 48	Cyclone	/ /82	243.90		85.37	94.52	6.63	1	
	United Paranaque Subd. II, Paranaque	121- 2- 31									
PRN-2063	C.P. Agleham Development Inc. #1	14- 27- 58	Pyramid	/ /79	243.90	20	34.14	40.24	12.62	1	
	Rainbow Village 2, Sucat, Paranaque	121- 0- 47									
PRN-2064	C.P. Agleham Development Inc. #2	14- 27- 14		/ /	304.88		18.29	33.54	12.62	1	
	Rainbow Village, San Dionisio	121- 2- 6									
PRN-2065	G and S Manufacturing Corporation	- -	Condrill	/ /83	182.93		60.98	150.00	3.60	8	
	Severina Diamond Subd., Paranaque	- -									
PRN-2066	Zilog Philippines Incorporation	14- 27- 18		/ /81	274.40		56.40	134.15	5.93	8	
	Sucat Rd., Paranaque	121- 2- 38									
PRN-2067	MERVILLE SUBD. #1	14- 29- 45		/ /					0.90	1	
	Paranaque, M.M.	121- 01- 00									
PRN-2081	BF HOMES #23	- -	Ekistics	/ /82	302.00	20	67.00			1	
	Roman St., BF Homes, Paranaque, M.M.	- -									

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	Roman St., BF Homes, Paranaque, M.M.	- -									
PRN-2082	BF HOMES #24	- -	Metro	/ /82	243.90	25	88.50	142.04	20.80	1	
	BF Homes, Paranaque, M.M.	- -									
PRN-2084	TROPICAL HOMES INC. #1	- -		/ /79	304.80		38.71		18.50	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2085	TROPICAL HOMES INC. #2	- -	PIWDC	/ /74	213.40	25	25.90		9.10	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2087	TROPICAL HOMES INC. #3	- -	PIWDC	/ /78	304.87	25	65.44		9.20	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2088	TROPICAL HOMES INC. #4	- -	PIWDC	/ /76	243.90	25	46.34		9.90	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2089	TROPICAL HOMES INC. #5	- -	PIWDC	/ /77	243.90	25			5.20	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2090	TROPICAL HOMES INC. #6	- -	PIWDC	/ /80	243.90	25			20.80	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2091	INTERNATIONAL TEXTILE	- -	Shamrock	/ /74	362.80	30	36.58	137.19	8.52	7	
	Sucat Paranaque, M.M.	- -									
PRN-2092	HOME FOR ORPHANS	- -	Shamrock	/ /72	152.43	10	48.17		1.50	2	
	Paranaque, M.M.	- -									
PRN-2093	ESSO STANDARD	- -	Lopez	/ /70	121.95	10	34.00		1.00	8	
	Sucat Road, Paranaque, M.M.	- -									
PRN-2094	ESSO STANDARD	- -	Lopez	/ /69	123.47	10	30.00		1.00	8	
	United Paranaque, Paranaque, M.M.	- -									
PRN-2095	ESSO STANDARD INC.	- -	Lopez	/ /69	121.95	10	18.00		1.00	8	
	Merville Paranaque, M.M.	- -									
PRN-2096	PADC DOMESTIC AIRPORT	- -	Lopez	/ /75	189.24	15	15.00		1.80	2	
	PADC Domestic Airport, Paranaque	- -									
PRN-2097	CERVANTES MACHINERY	- -	Lopez	/ /70	182.92	15	46.00		1.00	8	
	Paranaque, M.M.	- -									
PRN-2098	HOME OWNERS	- -		/ /76	274.39	20	6.00		18.50	1	
	Barangay Village, Paranaque	- -									
PRN-2099	SAN ANTONIO DEVELOPMENT CORP. #2	- -	Lopez	/ /73	150.06	16			3.70	1	
	SADC Valley II, Paranaque, M.M.	- -									
PRN-2100	SAN ANTONIO DEVELOPMENT CORP. #1	- -		/ /					5.50	1	
	SADC Valley Phase I, Sucat Road	- -									
PRN-2101	FORTUNE DEVELOPMENT CORPORATION	- -	Pyramid	/ /78	246.03	20	18.29		12.62	8	
	Teoville Subdivision Phase 2, Sucat	- -									
PRN-2102	"Y" ENGINEERING CORPORATION	- -	Lopez	/ /72	152.43	10	15.24	15.54	2.00	8	
	Sucat Road, Paranaque, M.M.	- -									
PRN-2103	CDCP AIRLANE VILLAGE #1	- -		/ /78	121.95		13.71		3.78	1	
	Paranaque, M.M.	- -									
PRN-2104	CDCP AIRLANE VILLAGE #2	- -	Shamrock	/ /78	121.95	10	13.71	32.01	3.78	1	
	Paranaque, M.M.	- -									
PRN-2105	GEORGE LOCK	- -	Acoje	/ /73	152.43	15	27.93	67.07	9.46	3	
	Paranaque, M.M.	- -									
PRN-2106	Phil. Packaging	- -	Shamrock	/ /80	274.39	15	41.76	78.05	5.00	8	3
	Paranaque, M.M.	- -									
PRN-2107	ALTA MECO #1	- -		/ /					4.50	8	
	Paranaque, M.M.	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
PRN-2108	ALTA MECO #2	- -		/ /						8	3
	Paranaque, M.M.	- -									
PRN-2109	DELTA MOTORS #1	- -		/ /	256.00	35	110.00		8.45	8	
	Paranaque, M.M.	- -									
PRN-2110	DELTA MOTORS #2	14- 29- 38	Shamrock	/ /79	304.00	30	93.60		2.40	8	3
	Paranaque, M.M.	121- 02- 23									
PRN-2111	DELTA MOTORS #3	- -		/ /79	213.00	30			13.00	8	3
	Paranaque, M.M.	- -									
PRN-2112	DELTA MOTORS #4	- -		/ /	344.50		30.49		2.50	8	3
	Paranaque, M.M.	- -									
PRN-2113	MERVILLE SUBDIVISION #3	14- 29- 36		/ /73			40.98		3.70	1	
	Paranaque, M.M.	121- 02- 21									
PRN-2114	MERVILLE SUBD. #2	- -		/ /					1.90	1	
	Paranaque, M.M.	- -									
PRN-2115	AG ADRIANO FURNITURE	- -		/ /78	243.90	10			2.00	8	3
	Paranaque, M.M.	- -									
PRN-2116	IRENEVILLE SUBD. (PHASE I)	- -		/ /					1.90	1	
	Paranaque, M.M.	- -									
PRN-2117	PHILIPPINE PACKAGING CORP. #1	- -		/ /					5.00	8	
	Paranaque, M.M.	- -									
PRN-2118	PHILIPPINE PACKAGING CORP. #2	- -		/ /	274.00		42.00		10.00	8	
	Paranaque, M.M.	- -									
PRN-2119	PYRAMID	- -		/ /					4.50	8	
	Paranaque, M.M.	- -									
PRN-2120	VILLANUEVA VILLAGE #1	- -		/ /					3.70	1	
	Paranaque, M.M.	- -									
PRN-2121	VILLANUEVA VILLAGE #2	- -		/ /					4.60	1	
	Paranaque, M.M.	- -									
PRN-2122	VILLANUEVA VILLAGE #3	- -		/ /					4.60	1	
	Paranaque, M.M.	- -									
PRN-2123	STATE MOSAIC INDUSTRIAL SUBD.	14- 27- 25	Admaco	/ /79	152.43	15	52.00	73.10	0.88	1	
	Paranaque, M.M.	121- 2- 32									
PRN-2124	REMMANS ENTERPRISES	- -	PIWDC	/ /79	304.87	25	38.71		18.50	1	
	Better Living Subdivision, Paranaque	- -									
PRN-2125	KAYAMANAN VILLAGE #1	- -		/ /					1.90	1	
	Paranaque, M.M.	- -									
PRN-2126	KAYAMANAN VILLAGE #2	- -		/ /					1.90	1	
	Paranaque, M.M.	- -									
PRN-2127	KAYAMANAN VILLAGE #3	- -		/ /					1.90	1	
	Paranaque, M.M.	- -									
PRN-2128	UNITED PARANAQUE (PHASE I) #1	14- 30- 12		/ /62	304.82	20	83.84		7.57	1	
	Guijo St., Paranaque, M.M.	121- 02- 32									
PRN-2129	UNITED PARANAQUE (PHASE I) #2	14- 30- 06		/ /64	182.92	20	83.84		5.05	1	
	Atis St., Paranaque, M.M.	121- 02- 23									
PRN-2130	UNITED PARANAQUE (PHASE I)	14- 29- 59		/ /62	182.92	20	82.62		5.68	1	
	Noel St., Paranaque, M.M.	121- 02- 38									
PRN-2131	UNITED PARANAQUE (PHASE I) #4	- -		/ /78	182.90	20	80.79		6.43	1	
	Paranaque, M.M.	- -									

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PRN-2132	UNITED PARANAQUE (PHASE II) #1	- -		/ /77	192.08	20	80.79		7.07	1	
	Paranaque, M.M.	- -									
PRN-2133	UNITED PARANAQUE (PHASE II) #2	- -		/ /66	213.41	20	80.79		1.89	1	
	Paranaque, M.M.	- -									
PRN-2134	UNITED PARANAQUE (PHASE II) #3	- -		/ /68	121.95	15	79.26		5.05	1	
	Paranaque, M.M.	- -									
PRN-2135	M. ABAD	- -		/ /						1	
	Paranaque, M.M.	- -									
PRN-2136	F. GASCONA	- -		/ /						3	
	Paranaque, M.M.	- -									
PRN-2137	MAJOR MORENO	- -		/ /						1	
	Paranaque, M.M.	- -									
PRN-2138		- -		/ /						1	3
	Barangay Village, Paranaque	- -									
PRN-2139	United Paranaque Homeowners Asso.	- -		/ /						1	
	United Paranaque Phese II 1A	- -									
PRN-2140	Merville Subdivision #5	- -		/ /		20			2.70	1	
	Paranaque, M.M.	- -									
PRN-2141	Sun Valley Subdivision. SVD	- -		/ /79	213.41	20			5.05	1	
	Paranaque, M.M.	- -									
PRN-2142	Sun Valley Subdivision	- -		/ /	213.41				1.70	1	3
	Sampaguita St., Paranaque, M.M.	- -									
PRN-2143	SUN VALLEY SUBD. #1	14- 29- 38	Shamrock	/ /62	213.41				1.50	1	3
	Lavander Road, Sun Valley Subd.	121- 2- 17									
PRN-2144	Dart Phils.	- -	Valenzuela	/ /	304.87	20				8	
	Paranaque, M.M.	- -									
PRN-2145	Lynville Inn	- -		/ /	91.46					1	
	Paranaque, M.M.	- -									
PRN-2146	Isaias Garcia	- -		/ /	121.95					1	
	Paranaque, M.M.	- -									
PRN-2147	Airville Resort	- -	Shamrock	/ /78	134.15		13.72	32.00	3.78	3	
	Paranaque, M.M.	- -									
PRN-2148	Bricktown Subdivision	- -		/ /	182.92				1.90	1	3
	Paranaque, M.M.	- -									
PRN-2149	Moonwalk Subdivision	14- 30- 04		/ /	262.20	20			2.10	1	3
	Moonwalk Phese I, Paranaque, M.M.	121- 00- 50									
PRN-2150	Moonwalk Subdivision	- -		/ /						1	3
	Moonwalk Phese II, Paranaque, M.M.	- -									
PRN-2151	Dr. Neri #2	- -		/ /						1	
	Paranaque, M.M.	- -									
PRN-2152	Dr. Neri #3	- -		/ /						1	
	Paranaque, M.M.	- -									
PRN-2153	Sen. Almendres #1	- -		/ /						1	
	Paranaque, M.M.	- -									
PRN-2154	Sen. Almendres #2	- -		/ /						1	
	Paranaque, M.M.	- -									
PRN-2155	Sen. Almendres #3	- -		/ /						1	
	Paranaque, M.M.	- -									

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PRN-2156	Malacanan A	- -		/ /			58.70			1	3
	Paranaque, M.M.	- -									
PRN-2157	Malacanan B	- -		/ /						1	3
	Paranaque, M.M.	- -									
PRN-2158	Municipal Paranaque	- -		/ /		20			1.10	1	3
	Paranaque, M.M.	- -									
PRN-2160	Sanmiento DBP	- -		/ /					1.00	8	
	Paranaque, M.M.	- -									
PRN-2161	Jevero	- -		/ /71	243.90	20	91.46	137.20	1.26	8	
	Paranaque, M.M.	- -									
PRN-2162	Marcelo Subd. #1	- -		/ /67	182.92	20				1	
	Paranaque, M.M.	- -									
PRN-2163	Marcelo Subd. #2	- -		/ /68	213.41	20	24.39	30.48	5.36	1	
	Paranaque, M.M.	- -									
PRN-2164	Marcelo Subd. #3	- -		/ /78	213.41	20	86.03			1	
	Paranaque, M.M.	- -									
PRN-2165	Marcelo Subd. #4	- -		/ /79	213.41	25	85.40			1	
	Paranaque, M.M.	- -									
PRN-2166	Marcelo Subd. #5	- -		/ /79	213.41	25			2.52	1	
	Paranaque, M.M.	- -									
PRN-2167	Marcelo Subd. #6	- -		/ /80	213.41	25			9.15	1	
	Paranaque, M.M.	- -									
PRN-2168	G.M Phils., Manufacturing	- -	Shamrock	/ /74	304.87	30	42.68	78.96	9.85	8	
	Paranaque, M.M.	- -									
PRN-2169	Jalecor	- -	Shamrock	/ /80	213.41	20	28.95	52.44	4.16	8	
	Paranaque, M.M.	- -									
PRN-2170	FORTUNE DEV'T CORPORATION	14- 28- 2	Norvet	/ /78	304.87	20	29.87	36.56	14.58	1	
	San Dionisio, Paranaque, M.M.	121- 1- 6									
PRN-2171	Adriano	- -		/ /78	243.90	15			1.89	1	3
	Paranaque, M.M.	- -									
PRN-2172	Arrow Plastic	- -		/ /					1.50	8	
	Paranaque, M.M.	- -									
PRN-2173	Villa Mendoza	- -		/ /78	146.80	20	54.87		1.26	1	
	Paranaque, M.M.	- -									
PRN-2174	Justina Subdivision	- -		/ /						1	3
	Paranaque, M.M.	- -									
PRN-2175	Koppel	14- 29- 9		/ /78	243.90	20	91.46	117.68	4.42	8	1
	Severina Ind'l State, Paranaque	121- 2- 21									
PRN-2176	STANDARD ELECTRIC #1	14- 29- 09	Shamrock	/ /77	192.07	20	71.64	121.95	5.87	8	
	West Service Road, Paranaque, M.M.	121- 02- 06									
PRN-2177	STANDARD ELECTRIC #2	14- 29- 08	Shamrock	/ /78	230.00	20	71.88	108.23	5.87	8	
	West Service Road, Paranaque, M.M.	121- 02- 06									
PRN-2178	Elorde Sport Complex	14- 27- 50		/ /80	213.41	20			1.53	1	1
	Sucat Rd., Paranaque	121- 1- 32									
PRN-2179	GOODWILL SUBD. #3	14- 27- 43	Pyramid	/ /73	152.43	20	29.88		1.50	1	
	Aster St., Paranaque, M.M.	121- 01- 53									
PRN-2180	Reliance Investment Corp.	14- 27- 20		/ /					1.89	1	1
	Coral St., Marcelo Green Village	121- 1- 52									

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PRN-2181	Reliance Investment Corp.	14- 27- 18		/ /					0.95	1	1
	Coral St., Marcelo Green Village	121- 1- 50									
PRN-2182	Reliance Investment Corp.	14- 28- 34		/ /					1.89	1	1
	Coral St., Marcelo Green Village	121- 2- 13									
PRN-2183	Reliance Investment Corp.	14- 28- 50		/ /					1.26	2	1
	Hemlock St., Paranaque, M.M.	121- 02- 20									
PRN-2184	Reliance Investment Corp.	14- 27- 27		/ /					1.89	8	1
	Maharlika Ave., Paranaque, M.M.	121- 01- 58									
PRN-2185	MULTI-NATIONAL VILLAGE #1	14- 28- 59		/ /					15.77	8	1
	Paranaque, M.M.	121- 00- 12									
PRN-2186	MULTI-NATIONAL VILLAGE #2	14- 29- 44		/ /80					15.77	1	1
	Multinational Village, Paranaque	121- 00- 18									
PRN-2187	MULTI-NATIONAL VILLAGE #3	14- 29- 30		/ /					15.80	1	1
	Paranaque, M.M.	121- 00- 32									
PRN-2188	Multinational Village	14- 29- 15		/ /					15.77	1	1
	Riyadh St., Paranaque	121- 0- 9									
PRN-2189	MANILA MEMORIAL PARK #1	14- 27- 33		/ /			48.78		7.50	3	1
	Paranaque, M.M.	121- 01- 17									
PRN-2190	MANILA MEMORIAL PARK #2	14- 27- 22		/ /			42.68		4.50	3	1
	Paranaque, M.M.	121- 01- 27									
PRN-2191	MANILA MEMORIAL PARK #3	14- 27- 37		/ /83			14.63	23.17	5.99	3	1
	Paranaque, M.M.	121- 01- 09									
PRN-2192	MANILA MEMORIAL PARK #4	14- 27- 25	V.S.E.	/ /83	213.40	35	25.30	97.26	9.47	1	1
	Sucat Road, Paranaque, M.M.	121- 1- 11									
PRN-2193	Paranaque Medical Center	14- 27- 35		/ /					0.52	3	1
	Sucat Rd., Paranaque	121- 1- 56									
PRN-2194	PHILACOR #2	14- 27- 38	Shamrock	/ /78	304.87	25	66.46	117.98	7.10	8	1
	Sucat, Paranaque, M.M.	121- 02- 28									
PRN-2195	Philacor #4	14- 27- 22		/ /					0.31	8	1
	Sucat Rd., Paranaque	121- 2- 27									
PRN-2196	PHILACOR #5	14- 27- 23		/ /						8	3
	Sucat Road, Paranaque, M.M.	121- 02- 32									
PRN-2197	Philacor #6	14- 27- 27		/ /					0.38	8	1
	Sucat Rd., Paranaque	121- 2- 31									
PRN-2198	Tahanan Village #5	14- 27- 8		/ /					3.33	8	1
	Adelfa St., Paranaque	121- 1- 42									
PRN-2200	Tahanan Village #3	14- 26- 35		/ /					6.67	8	1
	Rosal St., Paranaque	121- 2- 2									
PRN-2201	Everbrigth Net & Twine Mfg.	14- 29- 52		/ /					9.46	8	1
	Edison Rd., Paranaque	121- 2- 50									
PRN-2202	MAYWOOD DEVELOPMENT CORPORATION	14- 28- 13	JB Hoover	/ /80	304.00		48.70		6.30	1	1
	San Dionisio, Paranaque, M.M.	121- 2- 3									
PRN-2203	LOYALA MEMORIAL PARK	14- 27- 21		/ /78	304.87	30	58.75	141.76	3.15	1	1
	Sucat, Paranaque, M.M.	121- 1- 25									
PRN-2204	Motorola #3	14- 28- 57	Shamrock	/ /79	243.90	20	92.37	123.13	3.79	1	1
	West Service Rd., Paranaque	121- 2- 36									
PRN-2205	SHERWIN	14- 29- 15		/ /75	182.90	15	91.46		4.42	8	1
	Paranaque, M.M.	121- 02- 31									

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PRN-2206	PEERS	14- 29- 52		/ /					2.50	8	1
	Paranaque, M.M.	121- 02- 18									
PRN-2207	Packaging Products Inc.	14- 57- 21		/ /					6.76	8	1
	Sucat Rd., Paranaque	121- 1- 15									
PRN-2208	Johnson & Johnson	14- 29- 58	Shamrock	/ /73	243.90	20	42.00	55.49	2.40	8	1
	Edison Rd., Paranaque	121- 1- 47									
PRN-2209	GOODWILL SUBD. #1	14- 27- 09		/ /					1.50	1	1
	Paranaque, M.M.	121- 02- 22									
PRN-2210	ATLAS COPCO	14- 29- 56		/ /					3.50	8	1
	Paranaque, M.M.	121- 02- 13									
PRN-2211	ALOHA PLASTIC	14- 30- 04		/ /					1.50	8	1
	Paranaque, M.M.	121- 02- 01									
PRN-2212	BF HOMES #2	14- 26- 58	Pyramid	/ /	243.90	25	19.18		2.20	1	1
	Elizalde St., Paranaque, M.M.	121- 01- 23									
PRN-2213	PWCC	14- 26- 51		/ /						1	1
	Madrigal St., Paranaque	121- 1- 5									
PRN-2214	PWCC	14- 27- 6		/ /						1	1
	Hugo St., Paranaque	121- 0- 44									
PRN-2215	PWCC	14- 28- 1		/ /						1	1
	Averdeen St., Paranaque	121- 0- 34									
PRN-2216	PWCC	14- 27- 26		/ /						1	1
	Aguirre Ave., Paranaque	121- 0- 34									
PRN-2217	PWCC	14- 27- 40		/ /						1	1
	Handi St., Paranaque	121- 0- 14									
PRN-2218	PWCC	14- 26- 37		/ /					0.82	1	1
	Villaba St., Paranaque	121- 1- 51									
PRN-2219	BF HOMES #12	14- 27- 04	Pyramid	/ /75	304.87	20	30.00	62.50	43.42	1	1
	Cabarus St., Paranaque, M.M.	121- 01- 32									
PRN-2220	BF HOMES #5	14- 26- 34	Pyramid	/ /					3.97	1	1
	Carmen de Luna St., Paranaque, M.M.	121- 01- 34									
PRN-2221	BF HOMES #1	14- 26- 58	Pyramid	/ /69	152.43	25	17.00	85.36	3.78	1	1
	Block 36, Elizalde St., Paranaque	121- 01- 24									
PRN-2222	COUNTRYSIDE VILLAGE SUBDIVISION	14- 29- 22		/ /69	152.43	25	17.00	85.36	0.13	1	1
	Barrio Malaking Kahoy, Paranaque	121- 1- 36									
PRN-2223	Maywood Homeowners Assn.	14- 28- 13		/ /					0.12	1	1
	Cypress St., Paranaque	121- 1- 31									
PRN-2224	Barangay Village Homeowners Assn.	14- 28- 16		/ /					1.31	1	1
	Allanigue St., Paranaque	121- 1- 31									
PRN-2225	FEDDERS AIRCON	14- 30- 04		/ /					15.48	8	1
	Paranaque, M.M.	121- 02- 09									
PRN-2226	SOUTH BAY DEVELOPMENT CORP. #3	14- 26- 57	DCA	/ /84	306.90		40.67	155.67	2.76	1	
	South Super Hi-way, Villongco St.,	121- 2- 17									
	San Dionisio, Paranaque, M.M.										
PRN-2227	SOUTHBAY DEVELOPMENT CORP. #2	14- 26- 52	DCA	/ /84	230.10		71.78	79.98	7.26	1	
	Villongco St., South Super Hiway,	121- 2- 11									
	San Dionisio, Paranaque, M.M.										
PRN-2228	ANALOG DEVICES INC.	14- 30- 0	Admeco	/ /84	273.80	20	94.80	126.58	4.48	8	
	Km 15, South Super Hiway, Paranaque	121- 2- 7									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
PRN-2229	MARSMAN LABORATORY	14- 29- 16	VSE	/ /84	243.00	20	103.04	123.00	3.50	5	
	Km. 16 South Super Hiway, Paranaque	121- 2- 32									
PRN-2230	AMERICAN WIRE & CABLE CO., INC.	- -	PIWDC	/ /84	305.00	20	127.10		7.57	8	
	Km. 16 South Super Hiway, Paranaque	- -									
PRN-2231	SOLEMAR DEVELOPMENT CORPORATION	14- 27- 22	PIWDC	/ /84	274.00	20	74.80	173.80	7.50	1	
	A.M.I. Dr. A. Santos Ave.	121- 2- 33									
PRN-2232	Manila Memorial Park #6	- -		/ /86			61.50	99.10		3	
	Sucat Rd., Paranaque	- -									
PRN-2233	MALAYAN TEXTILE MILLS, INC.	14- 29- 35	PIWDC	/ /87	305.00	25	103.70	134.20	10.40	7	
	Sunvalley Drive, Paranaque, M.M.	121- 01- 52									
PRN-2234	Tahanan	- -		/ /87			51.00			4	
	Paranaque	- -									
PRN-2235	SILVERLAND SUBD.	14- 29- 42	Orbit	/ /88	55.80	20	29.90	36.84	13.68	1	
	Silverland Subd., Sucat, Paranaque	120- 59- 38									
PRN-2236	Household Dev. Corp.	- -	Hydro	/ /88						1	
	Paranaque	- -									
PRN-2237	Solid Builders	- -	Hydro	/ /88						1	
	Sucat Rd., Paranaque	- -									
PRN-2238	SOLID CORPORATION	- -	PIWDC	/ /89	305.00	20	88.41	181.10	3.34	8	
	South Super Hi-way, Paranaque, M.M.	- -									
PRN-2239	JOLLIBEE FOODS CORP.	- -		/ /89	231.00					3	
	DR. A. SANTOS AVE., SUCAT, PARANAQUE	- -									
PRN-2240	SUN VALLEY SUBD. #4	14- 29- 26	Wells & Pumps	/ /81						1	
	Sun Valley Subd., Paranaque, M.M.	121- 1- 51									
PRN-2241	Vir- Aqua Devt. Corp.	14- 29- 53		/ /81			27.43			1	
	Moonwalk Subd., Libjo, Paranaque	121- - 56									
PRN-2242	MERVILLE WELL #1	14- 29- 45	Sercon	/ /81	182.93	20	48.78	134.15	7.57	1	
	Bo. Ibayo, Paranaque, M.M.	121- 1- 0									
PRN-2243	THE BRITISH SCH. OF THE PHILIPPINES	- -	PIWDC	/ /81	183.00	15	48.78	76.22	3.16	1	
	Merville Subdivision, Paranaque	- -									
PRN-2244	AMI PHILS. INC.	- -	Alpha	/ /82	243.90		91.46	167.68	6.96	8	
	Sucat, Paranaque, M.M.	- -									
PRN-2245	INVESTMENT AND DEVELOPMENT, INC.	14- 28- 24	Pyramid	/ /82	213.41	30	36.58	137.19	8.52	1	
	Maywood Subdivision, Sucat Road	121- 02- 31									
PRN-2246	PROVIDENT INT'L. RESOURCES CORP.	- -	PIWDC	/ /82	244.00	25	31.20	83.80	8.68	1	
	Imelda Ave., Paranaque, M.M.	- -									
PRN-2247	AIRPORTVIEW SUBDIVISION	14- 30- 7	Kenko	/ /83						1	
	Airportview Subd., Bo. Ibayo	121- 0- 37									
PRN-2248	COUNTRYSIDE VILLAGE	14- 28- 22	J. Manuel	/ /80	182.93		56.40		2.00	1	
	Malaking Kahoy, Paranaque, M.M.	121- 1- 36									
PRN-2249	South Bay Dev., Corp.	14- 26- 57	DCA	/ /81	307.93	20			9.99	1	
	San Dionisio, Paranaque	121- 2- 12									
PRN-2250	Valley Vista	14- 29- 13		/ /81					2.51	1	
	La Huerta, Paranaque	121- 0- 55									
PRN-2251	Multinational Village	14- 29- 47		/ /81					18.01	1	
	Paranaque	121- 0- 22									
PRN-2252	GOODWILL SUBD. #2	14- 27- 24		/ /					1.50	1	
	Paranaque, M.M.	121- 02- 25									

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PRN-2253	Multinational Village Paranaque	14- 29- 0 121- 0- 10		/ /81					18.49	1	
PRN-2254	RELIANCE INVESTMENT CORPORATION #1 La Huerta, Paranaque, M.M.	14- 28- 50 121- 2- 20	Supreme	/ /79	228.65	25	74.70	121.25	6.31	1	
PRN-2255	RELIANCE INVESTMENT CORPORATION #2 Marcelo Green Village, La Huerta	14- 28- 50 121- 02- 20	Supreme	/ /79	213.41	25	97.56	131.10	9.46	1	
PRN-2256	Raem Dev. San Dionisio, Paranaque	14- 27- 11 121- 2- 26		/ /81					3.00	1	
PRN-2257	Sunvar Sucat Rd., Paranaque	14- 28- 38 121- 0- 38		/ /82					5.20	1	
PRN-2258	R. Navarro La Huerta, Paranaque	14- 28- 59 121- 1- 1		/ /82					0.43	1	
PRN-2259	Agro-Ind. Dev. La Huerta, Paranaque	14- 28- 54 121- 1- 51		/ /82					0.32	1	
PRN-2260	Le Viste & Co. La Huerta, Paranaque	14- 28- 49 121- 0- 53		/ /83					1.80	1	
PRN-2261	Group Dev. Loyola Memorial, Paranaque	14- 27- 19 121- 2- 5		/ /83					3.40	3	
PRN-2262	Group Dev. Loyola Memorial, Paranaque	14- 27- 14 121- 2- 7		/ /83					3.40	3	
PRN-2263	Tahanan Dev. San Dionision, Paranaque	14- 27- 4 121- 1- 37		/ /83					6.00	1	
PRN-2264	Tahanan Dev. San Dionision, Paranaque	14- 26- 46 121- 1- 40		/ /83					7.00	1	
PRN-2265	United PHAI United Paranaque, Paranaque	14- 29- 53 121- 2- 40		/ /83					2.40	1	
PRN-2266	JS Manufacturing South Super H-Way, Paranaque	14- 29- 2 121- 2- 34		/ /83					2.00	8	
PRN-2267	City Estate Wewa	14- 29- 52 121- 0- 45		/ /					2.00	1	
PRN-2268	Bahaghari Inc. San Dionisio	14- 27- 3 121- 2- 16		/ /					2.80	1	
PRN-2269	Manila Ceramics Bargato	14- 29- 41 121- 2- 35		/ /75					0.42	8	
PRN-2270	Manhattan Company South Super Hiway	14- 28- 6 121- 2- 32		/ /					1.00	7	
PRN-2271	WINDFIELD DEVELOPMENT CORPORATION Moonville Subdivision, SSHi-way	14- 29- 11 121- 02- 03	Shamrock	/ /71	153.43	25			4.00	1	
PRN-2272	Ultima Dev. Ibayo	14- 29- 45 121- 1- 0		/ /					0.67	1	
PRN-2273	N-World Level San Dionisio	14- 27- 53 121- 2- 1		/ /						1	
PRN-2274	Solemar Dev. Sucat	14- 27- 22 121- 2- 33		/ /41					2.00	1	
PRN-2275	Ultima Dev. Corp. San Dionisio	14- 28- 13 121- 2- 17		/ /					0.98	1	
PRN-2276	Sun Valley HAI Sun Valley	14- 29- 26 121- 1- 57		/ /					0.66	1	

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PRN-2277	Sun Valley HAI	14- 29- 38		/ /					0.56	1	
	Sun Valley	121- 1- 17									
PRN-2278	Sun Valley HAI	14- 29- 24		/ /					0.66	1	
	Sun Valley	121- 2- 9									
PRN-2279	Household Dev.	14- 29- 47		/ /					2.60	1	
	Ibayo	121- 1- 33									
PRN-2280	Rodman Const.	14- 28- 35		/ /					2.50	1	
	Paranaque	121- 2- 21									
PRN-2281	Manila Memorial Park	14- 27- 18		/ /					4.10	3	
	Sucat Road	121- 1- 39									
PRN-2282	Golden Acres Dev. Corp.	14- 27- 34		/ /					0.13	1	
	Sucat Road	121- 1- 50									
PRN-2283	Alberto Prianes	14- 27- 19		/ /					0.40	1	
	Goodwill Subd. 2, Sucat	121- 2- 28									
PRN-2284	Greenheights Subd. #2	14- 28- 40		/ /					1.50	1	1
	Greenheights St.	121- 1- 1									
PRN-2285	La Perla Industries	14- 31- 20		/ /					1.68	3	1
	Quirino Ave., Baclaran	120- 59- 46									
PRN-2286	South Bay Garden #1	14- 26- 42		/ /						1	1
	Lanuza Bay St., Paranaque	121- 2- 17									
PRN-2287	Olivarez Hospital	14- 28- 51		/ /					3.00	2	1
	Sucat Road	120- 59- 45									
PRN-2288	Phil-Homes Dev. Corp.	14- 27- 43		/ /					0.31	1	1
	San Juan St., San Dionisio Village	121- 1- 2									
PRN-2289	Severina Realty Corp.	14- 28- 2		/ /					2.52	1	1
	Westborough Homes, Severina Diamond	121- 2- 16									
PRN-2290	Eletronics Assemblies Inc.	14- 29- 6		/ /					1.51	8	1
	Severina Industrial Estate, Main Road	121- 2- 21									
PRN-2291	Wella Inc.	14- 30- 15		/ /					2.52	8	1
	Stroher Drive, West Service Rd.	121- 2- 4									
PRN-2292	PAL	14- 30- 59		/ /					5.05	8	1
	PAL Technical Center, Old Balagbag	121- 1- 13									
PRN-2293	Sunward Tech. Inc.	14- 27- 26		/ /					0.66	8	1
	West Service Road	121- 2- 36									
PRN-2294	JC Aqua-Marine Mktg. Corp.	14- 29- 47		/ /					1.00	3	1
	Multinational Village	121- 0- 3									
PRN-2296	BF HOMES #26	14- 28- 7	DCA	/ /84	304.80	25	72.84	98.30	35.00	1	
	Phase 7, BF Homes, Martinville	120- 59- 54									
PRN-2298	CONTINENTAL NISHIJIN DYEING CORP.	14- 29- 46	Hydro	/ /86	244.00	25	101.00	134.00	2.30	7	
	Brgy. Wawa, Sta. Ana, Paranaque, M.M.	121- 2- 0									
PRN-2299	BF Homes #3	14- 27- 21	Hydro	/ /89	305.00	25				1	
	BF Homes Paranaque	121- 00- 00									
PRN-2300	Phil. Waterworks & Const. Corp.	- -	V. Romero	/ /91						1	1
	BF Homes Paranaque	- -									
PRN-2301	Scarlet Pump	- -	Orbit	/ /79	213.41	20	91.46	152.43	3.15	1	
	Sun Valley Subd., Paranaque, M.M.	- -									
PRN-2302	IRENEVILLE	- -		/ /73	182.93		21.34	27.43	10.72	1	
	Sucat, Paranaque, M.M.	- -									

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PRN-2303	JACKIELOU HOMES	14- 27- 40		/ /	213.42		62.50	80.64	5.18	1	
	Sucat, Paranaque, M.M.	121- 02- 51									
PRN-2306	Phil. Waterworks & Const. Corp.	14- 26- 33		/ /89	305.00		40.00	60.00	26.00	1	
	BF Homes Phase V, Paranaque	121- 0- 32									
PRN-2307		14- 30- 9		/ /90	183.00		45.72	85.34	7.56	1	
	Ibayo, Paranaque, M.M.	121- 0- 59									
PRN-2312	Mariwasa Honda	- -		/ /80	182.88		76.20	118.27	6.31	8	
	South Super Hiway, Paranaque	- -									
PRN-2313	Phil. Synthetic Products	- -		/ /79	203.00		6.00		16.40	6	
	Dr. A. Santos Ave., Paranaque	- -									
PRN-2314	C.P. Agleham Dev.	14- 27- 58		/ /79	243.90		34.14			1	
	Rainbow Village, Paranaque	121- 0- 47									
PRN-2316		- -		/ /70	193.60		15.24	42.29	5.69	1	
	San Dionisio, Paranaque, M.M.	- -									
PRN-2317		- -		/ /81	176.83		30.36		11.36	1	
	San Dionisio, Paranaque, M.M.	- -									
PRN-2318		14- 27- 53		/ /	267.40		51.82	116.13	5.04	1	
	San Dionisio, Paranaque, M.M.	120- 58- 1									
PRN-2319	Severina Subd.	14- 28- 13		/ /83	184.45		71.65			1	
	San Dionisio, Paranaque	121- 2- 17									
PRN-2320	Savvy-25 Subdivision	14- 28- 30		/ /88	213.40		91.40	140.24	1.13	1	
	Km 18 San Dionisio, Paranaque	121- 2- 37									
PRN-2321		- -		/ /72	146.34		18.29	25.92	12.90	1	
	Sto. Nino, Paranaque	- -									
PRN-2323		- -		/ /78	256.09		66.46	118.14		1	
	Sucat, Paranaque, M.M.	- -									
PRN-2326	Rainbow Village	- -		/ /87	304.90				12.62	1	
	Sucat, Paranaque, M.M.	- -									
PRN-2327		14- 27- 34		/ /88	244.00		78.35	146.35	4.22	1	
	Sucat Road Cor. PAES Ave.	121- 1- 50									
PRN-2329	SUNVAR REALTY CORP.	- -	PIND	/ /80			15.85		24.52	1	
	Garden City, Sucat, Paranaque, M.M.	- -									
PRN-2332	MANILA MEMORIAL PARK #6	- -	Miguel	/ /86						1	
	Sucat Road, Paranaque, M.M.	- -									
PRN-2340	Technogas	- -		/ /62	183.00		6.00	14.88	1.60	8	
	Paranaque, M.M.	- -									
PRN-2341	Teoville Subd.	- -		/ /78	263.96		18.30	102.30	12.60	1	
	Teoville Subd. Phase 2, Paranaque	- -									
PRN-2342	BF Homes Alabang	- -		/ /		25	97.88			1	2
	Buencamino Cor. Wilson, Paranaque	- -									
PRN-2343	Better Living Subd.	- -		/ /		25	94.00			1	2
	Christian St., Near Church	- -									
PRN-2344	Sun Valley Subd.	- -		/ /		20	98.30			1	3
	Sun Valley Subd., Paranaque	- -									
PRN-2345	BF Homes Paranaque	- -		/ /		25	81.89			1	1
	Tropical Cor. Hiroshima, Paranaque	- -									
PRN-2346	Aerocark Subd.	14- 28- 58		/ /		25	97.95			1	2
	Columbia St., Paranaque	121- 2- 5									

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PRN-2347	Gatchalian Subd.	14- 28- 36		/ /		15	43.15			1	3
	Blue Road Cor. Yellow Rd., Paranaque	120- 59- 24									
PRN-2348	TROPICAL HOMES INC. #7	- -	PIWD	/ /80	304.00	25			9.45	1	
	Better Living Subd., Paranaque, M.M.	- -									
PRN-2349	ISLANDER FOOD CORPORATION	- -	Pyramid	/ /72	182.92	15	48.17		4.73	4	
	South Super Hiway, Paranaque, M.M.	- -									
PSC-1001	MWSS Maricaban #1	14- 31- 50	PACHECO	/ /80	243.80	25	44.00	69.20	15.70	1	1
	Maricaban, Pasay City	121- 0- 24									
PSC-1002	MWSS MIA #3	14- 31- 4	PIWDC	/ /81	246.95	25	46.60	72.22	14.90	1	1
	MIA Complex, Pasay City	121- 1- 6									
PSC-1003	MWSS MIA #4	14- 31- 3	PIWDC	/ /	243.90	25	44.81	102.74	23.16	1	1
	Nichols Airbase	121- 1- 3									
PSC-1005	MWSS Maricaban #3	14- 31- 59	PIWDC	06/07/84	192.00	20	54.40	77.50	19.24	1	1
	Villamor Ave., Maricaban, Pasay City	121- 0- 19									
PSC-1006	MWSS Maricaban #2	14- 31- 41	CONDRILL	/ /84	237.80	20	50.30	82.80	9.40	1	1
	St. Francis cor. St. Peter, Maricaban	121- 0- 45									
PSC-2001	NHA Well #3	14- 30- 33	Eurasia	07/01/84	182.93	15	54.88	82.93	4.73	1	
	Teachers Bliss - MIA, Pasay City	121- 1- 36									
PSC-2002	U - Warehouse , Inc.	- -	Aqua-Line	/ /90	243.00	15	67.07	75.00	15.78	3	
	Old MIA Complex, Airport Road	- -									
PSC-2003	National Housing Authority	14- 30- 37	DCA	05/14/82	457.32	25	75.18	117.85	8.52	1	
	MIA, Pasay City	121- 1- 38									
PSC-2004	NHA - Teachers Bliss #2	14- 30- 33	DCA	03/13/83	152.40	15	67.68	78.50	5.29	1	
	MIA - Modular Housing, Pasay City	121- 1- 37									
PSC-2005	Silicon Tech. Inc.	14- 30- 55	DCA	11/07/81	304.88	20	18.28	21.33	0.37	8	
	CAA Compound, Pasay City	121- 0- 2									
PSC-2006	PAF NICHOLS AIRBASE #4	14- 31- 44	BPW	/ /	340.80	15	38.10	68.50	15.70	2	
	HPAP Area, Nichols Airbase	121- 1- 21									
PSC-2007	PAF NICHOLS AIRBASE #5	14- 31- 1	BPW	/ /	198.10	20	33.50	64.00	12.66	2	
	SPCHS, Nichols Airbase	121- 1- 12									
PSC-2008	PAF NICHOLS AIRBASE #6	14- 31- 37	BPW	/ /66	182.80	20	48.70	79.20	13.80	2	
	550 AEW Area, Nichols Airbase	121- 0- 54									
PSC-2009	PAF NICHOLS AIRBASE #7	14- 31- 18		/ /66	206.60	20	57.90	64.00	11.90	2	
	East of AMS Village, Nichols Airbase	121- 1- 06									
PSC-2010	PAF NICHOLS AIRBASE #8	14- 31- 13		/ /69	185.37	25	19.21	67.00	14.51	2	
	GYM Area, Nichols Airbase	121- 1- 12									
PSC-2011	PAF NICHOLS AIRBASE #9	14- 31- 32		/ /66	196.60	25	39.60	67.00	12.50	2	
	NABES AREA-A, Nichols Airbase	121- 0- 40									
PSC-2012	PAF NICHOLS AIRBASE #10	14- 31- 32		/ /66	192.00	20	45.70	64.00	11.30	2	2
	Golf Area, Nichols Airbase	121- 1- 22									
PSC-2013	PAF NICHOLS AIRBASE #11	14- 31- 43		/ /63	225.50	20	20.12	60.90	17.67	2	2
	AMS Village, Nichols Airbase	121- 0- 39									
PSC-2014	PAF NICHOLS AIRBASE #12	14- 31- 27		/ /68	193.50	20	42.60	60.90	11.36	2	2
	AFROTC Area, Nichols Airbase	121- 0- 57									
PSC-2015	PAF, NICHOLS AIR BASE #13	- -		/ /66	249.90	20	36.50	68.50	15.70	2	
	AM'S APT. Area, Pasay City	- -									
PSC-2016	PAF NICHOLS AIRBASE #14	14- 30- 54		/ /77	249.90	20	36.60	70.10	15.70	2	2
	ISTAP, Nichols Airbase	121- 1- 11									

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PSC-2017	Phil. Air Force	14- 31- 32		/ /80	243.90	20	30.48	42.66	18.94	2	
	Nichols Air Base	121- 0- 32									
PSC-2018	PAL IN-FLIGHT #1	- -	CONDRILL	/ /78	30.40	5	18.20	21.30	0.37	3	
	PAL In-Flight Center	- -									
PSC-2019	SILICON TECHNOLOGY #2	- -		/ /78	30.48	10	18.28	21.33	0.37	8	
	Imelda Ave., Pasay City	- -									
PSC-2020	SILICON TECHNOLOGY #3	- -		/ /78	30.48	10	18.28	21.33	0.37	8	
	Imelda Ave., Pasay City	- -									
PSC-2021	Pal-in-Flight Center #1	14- 30- 49	CONDRILL	/ /	304.80	25	60.90	70.30	11.30	8	
		121- 0- 19									
PSC-2022	Pal-in-Flight Center #2	14- 30- 46	CONDRILL	/ /80	304.80	25	39.60	62.70	20.80	3	
		121- 0- 19									
PSC-2023	PAL MAINTENANCE #1	14- 31- 44	WELLS & PUMPS	/ /65	243.80	25	76.20	97.50	9.46	1	
	Pasay City	121- 0- 23									
PSC-2024	PAL IN-FLIGHT CENTER #2	- -	BR DIZON	/ /78	243.80	25	36.50	60.90	15.70	3	
	Pasay City	- -									
PSC-2025	ALPAP #1	- -	SHAMROCK	/ /79	274.30	20	20.40	53.00	9.46	3	
	Aurora Blvd., Pasay City	- -									
PSC-2026	CALIFORNIA LINES INC	- -	SHAMROCK	/ /72	137.10	15	22.80	26.50	1.39	1	3
	CAA Domestic Airport Road, Pasay City	- -									
PSC-2027	GROLAC	- -	GEDE MASON	/ /80	121.92	20	18.28		1.20	5	
	Quirino Ave., Pasay City	- -									
PSC-2028	GRAN REE #1	- -		/ /55	304.80	15	45.72			4	3
	QUIRINO AVENUE, BACLARAN	- -									
PSC-2029	RC COLA #2	- -		/ /60	304.87	25	45.73			4	
		- -									
PSC-2030	RC Cola #3	- -		/ /60	457.31	25	45.73	48.78	3.78	4	3
		- -									
PSC-2031		- -		/ /					1.00	2	
	CAA Domestic Road, Pasay	- -									
PSC-2032	Rosario Industries	- -		/ /	9.00	5				8	2
		- -									
PSC-2033	Victory Bus	14- 32- 23		/ /	6.00	5			0.80	1	
		121- 0- 10									
PSC-2034	HERDIS SPORTS CENTER	- -	CONDRILL	03/21/80	152.40	15	17.55	55.10	3.78	3	
	MIA Road, Pasay City	- -									
PSC-2035	Velayo Sports Center	- -		/ /77	60.67					3	3
		- -									
PSC-2036	Aero Mfg.	- -		/ /						8	3
		- -									
PSC-2037	Malibay Communication	- -		/ /69	109.75					3	3
		- -									
PSC-2038	Nippon Industries	- -		/ /						8	3
		- -									
PSC-2039	ESSO PHIL INC.	- -	LOPEZ WELL	/ /69	274.30	10	60.96		1.58		
	Cunata Ave. cor. Taft Ave.	- -	DRILLING								
PSC-2040	San Juan de Dios Hospital	- -		/ /	6.00					2	3
		- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
PSC-2041	Hyatt Regency	14- 32- 27 120- 59- 33	SHAMROCK	/ /68	365.85		25		4.41	3	
PSC-2042	SCHOOL OF DEAF F.B. Harrison St., Pasay City	- - - -	NASA	/ /49	121.90		40			2	3
PSC-2043	ASIAN DEVELOPMENT BANK Roxas Blvd., Pasay City	14- 32- 38 120- 59- 28	SHAMROCK	01/01/76	121.90		20	3.65	11.20	13.90	1	3
PSC-2044	Manila Sanitarium #1	- - - -	SHAMROCK	/ /68	243.90		20			2	2
PSC-2045	MANILA SANITARIUM HOSPITAL #2 1975 Donada St., Pasay City	14- 33- 28 120- 59- 37	SHAMROCK	12/19/79	305.00		20	81.00	10.73	4.00	2	3
PSC-2046	STANDARD APPLIANCES CORP. Donada-Vito Cruz Sts., Pasay City	- - - -	SHAMROCK	/ /	243.90		15	12.90				3
PSC-2047	DERHAM PARK-POLO CLUB Harrison, Pasay City	- - - -		/ /	200.00		15	2.74	24.40	6.30	3	
PSC-2048	Hotel Riviera	- - - -	SHAMROCK	/ /66	243.80		20	25.60	60.00	12.60	3	3
PSC-2049	Mar Hermanos	- - - -	SHAMROCK	/ /79						0.70	1	
PSC-2050	US SEAFRONT COMPOUND US Seafront Cpd., Roxas Blvd.	- - - -	IDI	/ /78	457.31		30			0.15	1	
PSC-2051	PICC	14- 33- 20 120- 59- 20	Goldwater	/ /79	365.85		20			7.00	2	
PSC-2052	A. Ching	- - - -		/ /						1.20	1	
PSC-2053	Derham Park #2	- - - -	Shamrock	/ /69			20				3	3
PSC-2054	Pant	- - - -		/ /69	4.00		5	2.44		1.00	1	
PSC-2055	Nayong Kabataan #1	- - - -		/ /	152.00		15	11.00		3.00	2	3
PSC-2056	Nichols #16	- - - -		/ /80	152.44		20	42.68		10.00	2	
PSC-2057	Nayong Kabataan #2	- - - -		/ /	243.00		15			5.00	2	3
PSC-2058	Phil. Village #1	- - - -		/ /						2.00	3	
PSC-2059	Phil. Village #2	- - - -		/ /						1.80	3	
PSC-2060	La Perla Tobacco #1	- - - -	Shamrock	/ /83	128.05					1.00	3	
PSC-2061	LA PERLA TOBACCO IND. #2 Quirino Ave., Baclaran	- - - -		/ /							8	
PSC-2062	A G & P	- - - -		/ /						1.00	8	
PSC-2067	New Hangar PAL #1	- - - -		/ /				47.82			3	3
PSC-2068	Sterling Phils.	- - - -		/ /			15			7.00	7	

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PSC-2069		- -		/ /						1	3
	Topaz Street	- -									
PSC-2070	CARTIMAR MARKET	14- 33- 08		/ /69	350.00	15	13.71	28.96	17.67	3	
	Libertad, Pasay City	120- 59- 42									
PSC-2071	PAF NICHOLS AIRBASE	14- 31- 04	BPW	/ /	240.80	30	30.40	57.90		2	2
	NAB-Pumphill, Pasay City	121- 1- 38									
PSC-2072	PAF NICHOLS AIRBASE #2	- -	BPW	/ /66	187.40	30	24.40		12.60	2	3
	Nichols Airbase	- -									
PSC-2073	PAF NICHOLS AIRBASE #3	14- 31- 07	BPW	/ /65	240.80	30	45.70	73.10	11.30	2	
	Nichols Airbase	121- 1- 35									
PSC-2074	PHILIPS FOODS CORPORATION	- -	PIWDC	07/18/82	244.00	20	27.40	106.70	18.93	4	
	622 Apelo Cruz St., Pasay City	- -									
PSC-2075	I. Polchanan	14- 33- 29		/ /						1	
	Vergal	120- 59- 20									
PSC-2076	LRT Authority	14- 29- 56		/ /					7.00	2	
	Aurora Blvd.	121- 0- 9									
PSC-2077	Ernesto Occen. Inc. #2	14- 33- 8		/ /					22.71	3	1
	Cartimar Shopping Center	120- 59- 42									
PSC-2078	PADC	14- 31- 3		/ /						3	1
	Hangar #3 Domestic Aviation Area	121- 0- 7									
PSC-2079	Villamor Airbase	14- 31- 18		/ /					2.52	2	1
	Villamor Airbase Hospital	121- 1- 10									
PSC-2080	Polo Club	- -		/ /49	195.12		2.74	30.92	7.89	3	
		- -									
PSC-2081		14- 31- 51		/ /84	183.00		37.07	48.41	8.27	1	
	Trano	121- 0- 10									
PSC-2082	CDCP	- -		/ /75	121.95		13.72	32.01	3.79	1	
	Airlane Village	- -									
PSC-2084		- -		/ /50	210.36		6.71	28.15	22.08	1	
	Malibay	- -									
PSC-2085		14- 31- 49		/ /	243.90		44.00	69.25		1	
	Maricaban	121- 0- 21									
PSC-2086	Nichols Airbase	14- 31- 12		/ /83	243.90		56.68			2	
		121- 1- 24									
PSC-2087	Pasay Sports Center	14- 32- 48		/ /		20	20.36			3	3
	Derham St.	120- 59- 32									
PSG-1001	MWSS PASIG MARKET	14- 33- 36	NIA	03/01/78	76.22	20	7.93	64.00	6.25	1	3
	Poblacion (Public Market), Pasig	121- 4- 40									
PSG-1002	MWSS SANTOLAN	14- 36- 54	Pacheco	/ /77	213.41	25	67.07	75.00	15.78	1	2
	Evangelista St., Santolan, Pasig	121- 4- 56									
PSG-1003	MWSS DE LA PAZ	14- 37- 0	Metro Drillers	/ /81	225.51	20	72.50	86.00	11.98	1	3
	Brgy. De la Paz, Pasig, M.M.	121- 5- 38									
PSG-1004	MWSS BO. KAPITOLYO	14- 35- 25		/ /80	274.32		32.00		22.05	1	1
	Sta Rosa St., Bo. Capitolyo	121- 3- 31									
PSG-2001	Republic Asahi Glass Corp. #7	14- 33- 9	Desco	12/01/90	305.00	30	28.68	68.16	31.00	8	1
	Pinagbuhatan, Pasig	121- 5- 41									
PSG-2002	Polyphosphates Incorporated	14- 36- 5	J. B. Hoover	/ /84	182.93	20	30.49	57.62	4.54	8	
	Pasig	121- 3- 45									

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PSG-2004	Republic Asahi Glass Corp. #9 Bo. Pinagbuhatan, Pasig	14- 33- 6 121- 5- 34	Desco	06/02/90	305.00	35	31.70	100.66	28.44	8	
PSG-2005	Bionic Builders Inc. Imelda Ave., Manggahan, Pasig	- - - -	Hydro-Wells	08/01/88	98.17	10	51.12	57.00	0.50	8	
PSG-2006	Republic Asahi Glass Corp. #10 Bo. Pinagbuhatan, Pasig	14- 35- 6 121- 6- 34	Desco	09/30/90	305.00	35	30.64	100.62	29.84	8	
PSG-2007	Polyphosphates Incorporated Pasig	14- 36- 5 121- 3- 45	J. B. Hoover	/ /80	176.83	25	24.39	42.68	7.38	8	
PSG-2008	Victoria Mfg. Inc. Bo. Rosario, Pasig	- - - -	Hydro-Wells	/ /89	231.71	30	46.70	60.20	9.04	8	
PSG-2009	LITTON MILLS INCORPORATED WELL #6 Rosario, Pasig	- - - -		/ /87	304.88		4.45		1.00	8	
PSG-2010	Rowell Lithography & Metal Closure Laong Laan Street, E. Rodriguez Ave.	14- 35- 02 121- 4- 35	Shamrock	11/06/79	243.90		23.78	100.61	6.94	8	
PSG-2011	Northwood Village Pasig, Metro Manila	- - - -	F.C. Const'n.	/ /	35.58					1	
PSG-2012	Autobus Industries Incorporated Santolan, Pasig	- - - -		06/23/80	243.90		62.52	70.15	2.03	8	
PSG-2013	HSDC - Urban Bliss Col. Licsi Street , Pasig	14- 34- 18 121- 4- 41	D.C.A.	05/29/82	243.90	20	33.63	73.05	18.77	1	
PSG-2014	National Housing Authority Well # 18 Area B, Phase I, Barangay Manggahan	14- 36- 28 121- 6- 17	D C A	09/13/83	152.44		58.52	66.86	16.53	1	
PSG-2015	STANFORD MICRO SYSTEMS, INC. Pasig Blvd. Ext., Maybunga, Pasig	- - - -	Pioneer	/ /80	244.00	25	30.48		9.47	8	3
PSG-2016	LA DICHA CIGAR & CIGARETTE FACTORY Bo. Maybunga, Pasig, M.M.	- - - -		/ /78	182.92	15	39.63	45.70	2.02	8	
PSG-2017	ALLIED THREAD CO., INC. #1 Maybunga, Pasig, M.M.	- - - -	Shamrock	07/26/62	182.92	25	6.10	43.73	7.60	7	
PSG-2018	ALLIED THREAD CO., INC. #2 Maybunga, Pasig, M.M.	- - - -	Shamrock	/ /67	182.92	25	6.10	43.73	7.60	7	
PSG-2019	ALLIED THREAD CO., INC. #3 Bo. Maybunga, Pasig, M.M.	- - - -	Shamrock	03/01/74	292.70	25	2.13	53.96	6.31	7	
PSG-2020	ALLIED THREAD CO., INC. #4 Maybunga, Pasig, M.M.	- - - -	J.B. Hoover	/ /79		25	63.10	83.84	17.41	7	
PSG-2021	PHILEX MINING CORPORATION Capitol Drive, Pasig	- - - -	Shamrock	/ /69	152.39	10	32.93	67.99	3.15	8	
PSG-2022	ORTIGAS & COMPANY LTD. #1 Oranbo, Pasig, M.M.	- - - -	J.B. Hoover	/ /77	282.00	40	79.27	108.84	11.27	3	
PSG-2023	ORTIGAS & COMPANY LTD. #2 Valle Verde Subdivision, Pasig	14- 35- 23 121- 4- 30	J.B. Hoover	01/07/80	274.40	40	32.00	103.65	12.63	3	
PSG-2024	CORINTHIAN GARDENS WELL #2 Ortigas Ave. Pasig, M.M.	- - - -	PIWDC	09/26/77	304.87	40	45.73	74.70	10.16	1	
PSG-2025	CORINTHIAN GARDENS WELL #4 Ortigas Ave., Pasig, M.M.	- - - -	PIWDC	05/30/79	304.87	40	50.30	102.13	20.83	1	
PSG-2026	MERALCO Ortigas Ave., Pasig, M.M.	- - - -		/ /61	365.74	20	37.00	62.80	11.00	1	
PSG-2027	FLORO KNITTING MILLS #1 Dr. Sixto Antonio Ave., Caniogan	- - - -	Acoje	/ /60	214.57	35	30.49	51.83	10.25	7	3

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PSG-2028		- -		/ /79	243.90		23.78		6.94	7	2
	Laong Laan ST. E. Rod. Ave.	- -									
PSG-2029	FLORO KNITTING MILLS #5	- -	Acoje	10/01/79	301.74		54.88		3.47	7	2
	Dr. Sixto Antonio Ave., Caniogan	- -									
PSG-2030	FLORO KNITTING MILLS #6	- -	Acoje	07/15/69	226.15	35	27.44	54.88	13.06	7	
	E. Rodriguez Ave., Pasig, M.M.	- -									
PSG-2031	REPUBLIC GLASS CORPORATION #1	- -	Shamrock	10/09/59	194.15	20	4.88	24.38	12.63	8	
	Pinagbuhatan, Pasig, M.M.	- -									
PSG-2032	REPUBLIC GLASS CORPORATION #2	- -	Shamrock	06/09/65	240.85	20	9.15	61.59	10.38	8	3
	Pinagbuhatan, Pasig, M.M.	- -									
PSG-2033	REPUBLIC GLASS CORPORATION #3	- -	Shamrock	03/08/69	243.90	20	13.70	27.40	8.43	8	
	Pinagbuhatan, Pasig, M.M.	- -									
PSG-2034	REPUBLIC GLASS CORPORATION #4	- -		/ /	213.35	20	10.67	16.76	3.15	8	3
	Pinagbuhatan, Pasig, M.M.	- -									
PSG-2035	REPUBLIC GLASS CORPORATION #5	- -	PIWDC	07/04/78	243.90	25	26.52	55.64	20.65	8	
	Pinagbuhatan, Pasig, M.M.	- -									
PSG-2036	PHILIPPINE BLOOMING MILLS #1	- -		/ /62	137.15	35	29.86	49.39	21.56	8	
	Rosario, Pasig, M.M.	- -									
PSG-2037	PHILIPPINE BLOOMING MILLS #2	- -		/ /63	231.35	35	23.47	39.63	21.56	8	
	Rosario, Pasig, M.M.	- -									
PSG-2038	PHILIPPINE BLOOMING MILLS #3	- -	J.B. Hoover	/ /74	320.12	53	60.00	78.35	25.72	8	
	Rosario, Pasig, M.M.	- -									
PSG-2039	PHILIPPINE BLOOMING MILLS #4	- -	Shamrock	11/01/68	274.31	20	40.54	75.61	23.77	8	
	Bo. Rosario, Pasig, M.M.	- -									
PSG-2040	MARIWASA MANUFACTURING CO. #1	- -	Shamrock	/ /65	152.00	15	12.19	25.90	9.46	8	
	Ortigas Ave., Rosario, Pasig, M.M.	- -									
PSG-2041	UNIVERSAL MILLS CORPORATION #1	- -	Shamrock	/ /67	91.46	20	29.26	35.96	9.15	8	
	Ortigas Ave., Pasig, M.M.	- -									
PSG-2042	UNIVERSAL MILLS CORPORATION #2	- -	Acoje	09/03/70	121.91	20	18.30	48.78	3.15	8	
	Bo. Rosario, Pasig, M.M.	- -									
PSG-2043	UNIVERSAL MILLS CORPORATION #3	- -		/ /71	162.88		29.97	39.62	10.41	8	
	Ortigas Ave., Rosario, Pasig, M.M.	- -									
PSG-2044	LITTON TEXTILE #1	14- 35- 36		/ /57	213.35		19.81	22.86	15.09	7	
	Rosario, Pasig, M.M.	121- 4- 55									
PSG-2045	LITTON TEXTILE #2	- -		/ /60	182.88		11.89	32.93	40.00	7	
	Rosario, Pasig, M.M.	- -									
PSG-2046	J.E. MANALO & CO.	- -		/ /76	301.74	30	54.58	115.85	3.47	3	
	Rosario, Pasig, M.M.	- -									
PSG-2047	UNITED TEXTILE MILLS #1	- -		/ /66	274.31		14.32	53.04	49.24	7	
	Manggahan, Pasig, M.M.	- -									
PSG-2048	DONA JUANA SUBDIVISION	- -		/ /66	182.87		15.85	36.58	20.51	1	
	Manggahan, Pasig, M.M.	- -									
PSG-2049	GREEN PARK VILLAGE	- -	Lopez	/ /			36.57		13.80	1	
	Rosario, Pasig, M.M.	- -									
PSG-2050		- -		/ /						1	1
	Evangelista St., Santolan, Pasig	- -									
PSG-2051	MIDLAND PAPER PRODUCTS	- -		06/01/79	24.38		4.00		10.00	7	
	Santolan, Pasig, M.M.	- -									

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PSG-2052	ARCO METAL PRODUCTS CO., INC.	- -	Sercon	/ /	152.39				9.47	8	
	F. Pasco, Santolan, Pasig, M.M.	- -									
PSG-2053	MASS RUBBER PRODUCT	- -	Lopez	07/01/59	126.18		30.48		5.00	7	
	Santolan, Pasig, M.M.	- -									
PSG-2054	RAMPCOS CONCRETE PRODUCTS, INC.	14- 36- 38	Shamrock	/ /77	274.40		16.76	17.73	10.29	8	
	Manggahan, Pasig, M.M.	121- 5- 24									
PSG-2055	FOREMOST FARMS, INC.	- -	Hydro Wells	/ /77			12.90		6.00	8	
	Santolan, Pasig, M.M.	- -									
PSG-2056	SANITARY WARES MANUFACTURING CO.	- -		/ /62	121.91		15.24	16.77	9.47	8	
	Bo. Santolan, Pasig, M.M.	- -									
PSG-2057	CHAMPION MANUFACTURING CORPORATION	- -		/ /72	91.46		18.29		1.00	8	
	Santolan, Pasig, M.M.	- -									
PSG-2058	GENERAL HEAT CORPORATION	- -	Shamrock	/ /73	152.40	15	35.80	37.30	2.77	8	
	Santolan, Pasig, M.M.	- -									
PSG-2059	METRO LABORATORIES, INC.	- -	J.B. Hoover	07/05/79	182.87	25	7.62	15.65	7.95	5	
	Riverside, Bagong Ilog, Pasig, M.M.	- -									
PSG-2060	WELLINGTON FLOUR MILLS	- -		07/01/59	152.39	25	14.33	17.07	12.61	4	
	Bagong Ilog, Pasig, M.M.	- -									
PSG-2061	NOVEL MANUFACTURING INC.	- -	J.B. Hoover	03/26/77	61.87	20	3.65		9.99	8	
	Riverside, Bagong Ilog, Pasig, M.M.	- -									
PSG-2062	GENERAL MILLING CORPORATION	- -	Lopez	07/07/73	106.70	20	12.19		1.00	4	
	Bagong Ilog, Pasig, M.M.	- -									
PSG-2063	FILIPINAS CEMENT #1	- -		/ /						8	3
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2064	FILIPINAS CEMENT CORPORATION #2	- -	Gregun	/ /69	182.92	25	57.91	73.17	6.31	8	3
	E. Rodriguez Ave., Pasig, M.M.	- -									
PSG-2065	FILIPINAS CEMENT CORPORATION #3	- -	Acoje	06/05/79	414.63	20	79.27	130.18	7.25	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2066	RESINS, INC. #1	- -		/ /						7	3
	Ugong, Pasig, M.M.	- -									
PSG-2067	DUPRO PHILIPPINES, INC.	- -		/ /60	61.00				7.50	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2068	ROWELL LITHOGRAPHY & METAL CLOSURE	- -	Shamrock	11/06/79	202.38	20	23.78	100.60	6.93	8	
	Laong Laan St. cor. E. Rodriguez Ave.	- -									
PSG-2069	UNION CHEMICALS, INC.	- -	Acoje	05/10/77	365.85	40	51.83		8.00	5	
	Bo. Ugong, Pasig, M.M.	- -									
PSG-2070	UNION GLASS & CONTAINER CORP. #3	14- 24- 32	Acoje	/ /79	365.85	30	111.89	149.59	15.81	8	
	E. Rodriguez Sr. Ave., Ugong, Pasig	121- 24- 14									
PSG-2071	SAN MIGUEL CORPORATION	- -	PIWDC	01/22/76	243.90	30	35.67	57.92	11.78	4	
	Bo. Ugong, Pasig, M.M.	- -									
PSG-2072	PEPSI COLA BOTTLING CO.	- -	Acoje	11/01/68	234.75	30	48.78	96.03	15.00	4	
	Bo. Ugong, Pasig, M.M.	- -									
PSG-2073	UNIVERSAL ROBINA CORPORATION #3	- -	Condrill	10/16/77	243.90	20	74.70	91.77	6.94	4	
	CFC Compound, E. Rodriguez Sr. Ave.	- -									
PSG-2074	G. PUYAT & SONS, INC.	- -	Wells & Pumps	07/06/65	152.54	15	23.78	28.35	7.57	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2075	WARNER CHILLICOTT #1	- -	Shamrock	/ /66	182.92	15	15.24	33.54	11.36	8	
	Ugong, Pasig, M.M.	- -									

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PSG-2076	WARNER-CHILLICOTT #2	- -	Shamrock	04/25/73	365.80		43.28	66.70	10.40	5	
	Bo. Ugong, Pasig, M.M.	- -									
PSG-2077	STANFORD MICRO SYSTEMS #1	- -		/ /75					0.50	8	3
	E. Rodriguez Ave., Bo. Ugong, Pasig	- -									
PSG-2078	STANFORD MICRO SYSTEM #2	- -	Goldwater	/ /74	244.00		90.50		0.50	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2079	INDUSTRIES DEVELOPMENT CORPORATION	- -	Medalist	/ /74	106.68				5.00	8	
	E. Rodriguez Ave., Pasig, M.M.	- -									
PSG-2080	RIZAL PROVINCIAL HOSPITAL	- -		/ /65	243.83		26.80	52.40	24.90	2	3
	Bagong Ilog, Pasig, M.M.	- -									
PSG-2081	MERCURY LABORATORIES	- -		/ /64	341.36			60.96	12.60	5	3
	Shaw Blvd., Pasig, M.M.	- -									
PSG-2082	PETROPHIL ESSO #1	- -		/ /					1.00	1	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2083	PETROPHIL ESSO #2	- -		/ /					1.00	8	
	E. Rodriguez Sr. Ave., Ugong, Pasig	- -									
PSG-2084	UNIVERSAL ROBINA FARMS #1	- -	PIWDC	/ /		20	74.60	91.70	6.93	8	
	CFC Compound, E. Rodriguez Sr. Ave.	- -									
PSG-2085	UNIVERSAL ROBINA FARMS #2	- -	Shamrock	/ /					0.50	8	
	CFC Compound, E. Rodriguez Sr. Ave.	- -									
PSG-2086	PLANTERS PRODUCTS	- -		/ /					1.00	4	
	E. Rodriguez Sr. Ave., Ugong, Pasig	- -									
PSG-2087	SIGNETICS FILIPINAS, INC.	- -	Jamico	/ /					0.50	8	
	Ugong, Pasig, M.M.	- -									
PSG-2088	KARUNA MANUFACTURING CORPORATION	- -	Jamico (Rehab.)	/ /					0.50	8	
	Ugong, Pasig, M.M.	- -									
PSG-2089	VALIANT DISTRIBUTORS INC.	- -	Go Thong	/ /78					1.50	8	
	E. Rodriguez Sr. Ave., Ugong, Pasig	- -									
PSG-2090	A.P.I.	- -		/ /					0.50	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2091	STAINLESS STEEL INDUSTRIES, INC.	- -		/ /					1.00	8	
	E. Rodriguez Sr. Ave., Ugong, Pasig	- -									
PSG-2092	FILIPINAS MIRROR CORPORATION	- -		/ /					0.50	8	
	E. Rodriguez Sr. Ave., Pasig, M.M.	- -									
PSG-2093	HERCULES METAL	- -		/ /						8	
	Bagong Ilog, Pasig, M.M.	- -									
PSG-2094	PAG-ASA STEEL	- -		/ /					0.50	8	3
	Manggahan, Pasig, M.M.	- -									
PSG-2095	PASIG CAPITOL	- -	BPW	/ /73	64.50				1.00	2	
	De la Paz, Pasig, M.M.	- -									
PSG-2096	ARC PHILIPPINES, INC.	- -	Lopez	09/01/79	137.15	15			5.50	8	
	Ortigas Ave., Pasig, M.M.	- -									
PSG-2097	PORFIRIO CRUZ	- -	Lopez	12/01/69	152.39					1	
	Pasig, M.M.	- -									
PSG-2098	G.F. EQUITY	- -	Lopez	/ /68	243.98		54.86			8	
	Pasig, M.M.	- -									
PSG-2099	ATLANTIC EXCHANGE PHILS.	- -	Lopez	12/05/77	243.80	20			0.50	1	
	Pasig, M.M.	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
PSG-2100	PHILIPPINE BREWERIES	- -	Shamrock	06/01/78	182.88		42.20	75.90	25.40	4	
	Bo. Ugong, Pasig, M.M.	- -									
PSG-2101	SEHWANI INC.	- -		/ /	91.44				6.00	8	3
	St. Jude, Pasig, M.M.	- -									
PSG-2102	ORION MANILA, INC.	- -		/ /	85.34				10.00	8	
	Oranbo Drive, Pasig, M.M.	- -									
PSG-2103	PREMIER PAPER MILLS	- -	Shamrock	12/01/72	304.30	30	32.93	50.61	12.85	7	
	Manggahan, Pasig, M.M.	- -									
PSG-2104	R.C. GONZALES CO., INC.	- -	Shamrock	03/03/78	274.30	20	12.20	68.27	6.30	8	
	Manggahan, Pasig, M.M.	- -									
PSG-2105	C & C COMMERCIAL CORPORATION	- -		/ /69	182.87					3	
	Ugong, Pasig, M.M.	- -									
PSG-2106	ESSO (DISTRICT OFFICE)	- -		/ /66	121.90		56.38	67.00		8	
	Pasig, M.M.	- -									
PSG-2107	UNIVERSAL CORN CORPORATION #1	- -		/ /57			3.60	4.00	10.40	8	
	Pasig, M.M.	- -									
PSG-2108	UNIVERSAL CORN CORPORATION #2	- -		/ /59			4.00	12.80	1.89	8	
	Pasig, M.M.	- -									
PSG-2109	EASTERN PLYWOOD	- -		/ /64	152.39		6.40	7.90	5.04	8	
	Pasig, M.M.	- -									
PSG-2110	UNITED LABORATORIES	- -		/ /71	30.48				1.90	5	
	San Joaquin, Pasig, M.M.	- -									
PSG-2111	ADVANCE COMMERCIAL	- -		/ /64	19.80		2.40	4.57	7.60	3	
	San Joaquin, Pasig, M.M.	- -									
PSG-2112	OCTAGON CONSTRUCTION CORPORATION #1	- -	Hydro Wells	/ /	64.00		10.90		4.20	8	
	Manggahan, Pasig, M.M.	- -									
PSG-2113	OCTAGON CONSTRUCTION CORPORATION #2	14- 36- 33	Hydro Wells	/ /	64.00		3.40		2.40	8	
	Manggahan, Pasig, M.M.	121- 5- 46									
PSG-2114	HEMIL	- -		/ /					1.50	8	
	Pasig, M.M.	- -									
PSG-2115	PHIL. CHEMICALS	- -		/ /					1.50	5	
	Pasig, M.M.	- -									
PSG-2116	KINGSMILL	- -		/ /					3.50	8	
	Pasig, M.M.	- -									
PSG-2117	PHILIPPINE STANDARD	- -		/ /					3.50	8	
	Pasig, M.M.	- -									
PSG-2118	CTIP #1	- -		/ /60	182.92	20			4.00	8	3
	Ortigas Ave., Pasig, M.M.	- -									
PSG-2119	CTIP #2	- -		/ /79	91.46	25			4.00	8	
	Ortigas Ave., Pasig, M.M.	- -									
PSG-2120	FILIPINAS MIRROR CORPORATION	- -		/ /					0.50	8	
	E. Rodriguez Ave., Pasig, M.M.	- -									
PSG-2121	PIMECO #2	- -		/ /					0.50	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2122	PIMECO #1	- -		/ /					1.00	8	
	E. Rodriguez Ave., Ugong, Pasig	- -									
PSG-2123	ESSO #1	- -		/ /					1.00	8	
	E. Rodriguez Ave., Caniogan, Pasig	- -									

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PSG-2124	ESSO #2	- -		/ /					1.00	8	
	E. Rodriguez Ave., Caniogan, Pasig	- -									
PSG-2125	ARIS PHILIPPINES INC.	14- 34- 33		/ /					0.50	8	3
	Near Rizal Provincial Capitol, Pasig	121- 3- 52									
PSG-2126	REPUBLIC FLOUR MILLS #2	- -		/ /					6.00	4	
	Riverside, Pasig, M.M.	- -									
PSG-2127	Universal Robina	- -		/ /					1.00	4	1
	Pasig	- -									
PSG-2128	Universal Robina	- -		/ /					1.00	4	1
	Pasig	- -									
PSG-2129	UNIVERSAL ROBINA #3	- -		/ /					5.50	8	
	Pasig. M.M.	- -									
PSG-2130	REPUBLIC GLASS CORPORATION #6	- -		/ /					4.50	8	
	Riverside, Pinagbuhatan, Pasig, M.M.	- -									
PSG-2131	CORINTHIAN GARDENS WELL #1	- -	PIWDC	09/29/77					11.10	1	
	Ortigas Ave., Pasig, M.M.	- -									
PSG-2132	CORINTHIAN GARDENS WELL #3	- -		12/20/77	304.87		50.30		20.83	1	
	Ortigas Ave., Pasig, M.M.	- -									
PSG-2133	Shielas Mfg.	- -	Hydro	/ /79	121.95	10	12.50		1.50	8	1
	Pasig	- -									
PSG-2134	Anaconda	- -		/ /	36.58	5				8	
	Pasig	- -									
PSG-2135	Anaconda	- -		/ /	36.58	5				8	
	Pasig	- -									
PSG-2136	Anaconda	- -		/ /	76.21	5			1.00	8	
	Pasig	- -									
PSG-2137	AMCP	- -	Hydro	/ /79	182.92	20	73.17			8	
	Pasig	- -									
PSG-2138	Dream Homes	- -		/ /81	91.46	5	72.50			1	
	Pasig	- -									
PSG-2140	Uni-Con	- -		/ /78	54.87	5			1.50	8	3
	Pasig	- -									
PSG-2141	Winner Ind. Corp.	- -	Maple Leaf	/ /78	182.92	25			3.50	8	
	Pasig	- -									
PSG-2142	Roosevelt Chemical	- -		/ /78	76.21	10			4.00	5	
	Pasig .	- -									
PSG-2143	Foremost Farm	- -		/ /					2.50	8	
	Pasig	- -									
PSG-2144	Republic Glass	- -		/ /					5.00	8	
	Pasig	- -									
PSG-2145	JAG & HAGGAR JEANS SPORTSWEAR CORP.	- -		/ /77	33.53		6.09		5.42	7	
	Sitio Tayug, Calumpang, Pasig M.M.	- -									
PSG-2146	U-tex	- -		/ /					5.00	7	
	Pasig	- -									
PSG-2147	GENERAL MILLING CORPORATION	14- 35- 13	Condrill	09/01/80	106.70		12.19		3.50	4	
	Bo. Ugong, Pasig, M.M.	121- 4- 42									
PSG-2148	Phil. Standard	- -		/ /					1.50	8	
	Pasig	- -									

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PSG-2149	Green Park	- -		/ /					0.90	1	
	Pasig	- -									
PSG-2150	Green Park	- -		/ /					6.50	1	
	Pasig	- -									
PSG-2151	Arnal Building	- -		/ /					5.00	3	
	Pasig	- -									
PSG-2152	Litton Mills	- -		/ /					4.00	7	
	Pasig	- -									
PSG-2153	Litton Mills	- -		/ /					3.50	7	
	Pasig	- -									
PSG-2154	Contress Phil	- -		/ /					1.50	8	
	Pasig	- -									
PSG-2156	Eggies Garment	- -		/ /					2.00	7	
	Pasig	- -									
PSG-2157	Climate Ind.	- -		/ /					5.00	8	
	Pasig	- -									
PSG-2158	Corinthian	- -		/ /					6.50	1	
	Pasig	- -									
PSG-2159	SMC	- -		/ /					2.50	4	
	Pasig	- -									
PSG-2160	Ajax	- -		/ /					3.00	8	
	Pasig	- -									
PSG-2162	Rizal High School	- -		/ /	18.30	5				2	
	Pasig	- -									
PSG-2163	Climate Ind. Corp.	- -		/ /69	15.25	5			4.00	8	
	Pasig	- -									
PSG-2164	Litton Mills	- -		/ /			54.50		1.50	7	
	Pasig	- -									
PSG-2165	JR	- -		/ /					1.50	8	
	Pasig	- -									
PSG-2166		- -		/ /62	185.98		9.15		36.59	1	
	Bagong Ilog, Pasig	- -									
PSG-2167	Component Builder	- -		/ /	243.00		62.50	135.70	5.00	1	
	Pasig	- -									
PSG-2168	ALASKA TRADING	- -	PIWDC	07/01/80	183.00	15	79.27	103.66	8.43	3	
	Ortigas cor. E. Rodriguez Ave., Pasig	- -									
PSG-2170	Premier Paper Corp.	- -	PIWDC	/ /63	305.00	25	65.85	100.18	22.90	7	1
	Bo. Mangahan, Pasig	- -									
PSG-2171	RFM CORPORATION	14- 36- 30		/ /76	304.87	30	41.15		7.50	4	
	Bo. Manggahan, Pasig, M.M.	121- 45- 0									
PSG-2172	NATIONAL HOUSING AUTHORITY WELL #3	14- 36- 17	PIWDC	03/06/85	203.00	20	61.58	69.05	20.19	1	
	Phase II-A. Pasig Sites and Services. Bo. Manggahan. Pasig, M.M.	121- 6- 11									
PSG-2173	Daichi Denshi Electronics	14- 36- 45	Multispeed	/ /80	61.00	20				8	2
	Bo. Mangahan, Pasig	121- 5- 32									
PSG-2174	Steel Distributor	14- 35- 19		/ /					0.20	1	1
	J. Vargas Ave., Pasig	121- 3- 33									
PSG-2175	Marblecraft #1	- -	B.R. Dizon	/ /79					3.50	8	1
	Pasig	- -									

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PSG-2176	Marblecraft #2	- -	B.R. Dizon	/ /74	115.85	15	78.67		4.00	8	1
	Pasig	- -									
PSG-2177	Capital Sales	14- 33- 29		/ /83					0.70	1	1
	Pinagbuhatan, Pasig	121- 5- 38									
PSG-2178	Republic-Asahi Glass Corp.	14- 33- 9		/ /75					14.95	8	1
	Pinagbuhatan, Pasig	121- 5- 41									
PSG-2179	National Steel Corp.	14- 32- 47		/ /					25.00	8	1
	Kalawaan Sur, Pasig	121- 5- 29									
PSG-2180	Goldstar	14- 34- 47		/ /						3	1
	F. Legaspi, Pasig	121- 5- 11									
PSG-2181	3D Industry Inc.	14- 36- 48		/ /					9.46	8	1
	Evangelista St., Pasig	121- 5- 19									
PSG-2182	Mercedes Executive	14- 34- 16		/ /					25.25	8	1
	Munich, Pasig	121- 5- 9									
PSG-2183	Mercedes Benz	14- 34- 11		/ /					28.44	8	1
	Mercedes Ave., Pasig	121- 5- 32									
PSG-2184	Floroknitting Mills #3	- -		/ /	185.00		39.63		19.72	5	
	Pasig, M.M.	- -									
PSG-2185	CLAVECILLA ELECTRONICS	14- 35- 31	Shamrock	09/30/69	365.74	25	35.05	83.53	10.64	3	
	Philippine Communication Center,	121- 03- 36									
	Ortigas, Pasig, M.M.										
PSG-2186	F. C. Cement	14- 34- 33		/ /					25.00	8	1
	E. Rodriguez Ave., Pasig	121- 4- 17									
PSG-2187	REPUBLIC FLOUR MILLS #1	14- 36- 29		/ /					6.00	4	
	Riverside, Pasig, M.M.	121- 5- 21									
PSG-2188	Marble Craft	14- 36- 40		/ /					1.64	8	1
	Evangelista St., Pasig	121- 5- 19									
PSG-2189	Wrigley Phils Inc.	14- 34- 30		/ /	243.80				4.00	4	1
	Pioneer St., Pasig	121- 3- 21									
PSG-2190	STORK PRODUCTS	14- 34- 23		/ /69	243.80		61.00	67.60	3.13	4	
	Capitol Drive, Pasig, M.M.	121- 3- 21									
PSG-2191	Delta Milling Ind., Inc.	14- 36- 8		/ /					6.31	8	1
	E. Rodriguez Ave., Pasig	121- 4- 42									
PSG-2192	Universal Consolidated Corp.	14- 33- 1		/ /					0.25	8	1
	Kalawaan Sur, Pasig	121- 5- 0									
PSG-2193	National Steel Corp.	14- 32- 48		/ /					28.00	8	1
	Kalawaan Sur, Pasig	121- 5- 20									
PSG-2194	National Steel Corp.	14- 32- 55		/ /					14.00	8	1
	Kalawaan Sur, Pasig	121- 5- 27									
PSG-2195	RESINS, INC. WELL #2	- -	Hoover	/ /64	228.65	40	21.34	54.88	40.08	7	
	Pasig, M.M.	- -									
PSG-2196	RESINS, INC. WELL #3	- -	Shamrock	/ /71	243.90	30	36.89	98.17	12.87	7	
	Pasig, M.M.	- -									
PSG-2197	General Milling Corp.	14- 24- 34		/ /					9.96	4	1
	Brixton St., Pasig	121- 3- 10									
PSG-2198	GENERAL MILLING CORPORATION #2	14- 34- 25		/ /77	202.50		64.80	76.20	1.42	4	
	Bo. Ugong, Pasig, M.M.	121- 3- 11									
PSG-2199	Saniwares	14- 36- 47		/ /					9.90	8	1
	Evangelista St., Pasig	121- 5- 17									

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PSG-2200	Saniwares	14- 36- 47		/ /					8.33	8	1
	Evangelista St., Pasig	121- 5- 15									
PSG-2201	Republic-Asahi Glass Corp.	14- 33- 9		/ /					18.93	8	1
	Pinagbuhatan, Pasig	121- 5- 41									
PSG-2202	Republic-Asahi Glass Corp.	14- 33- 9		/ /					24.35	8	1
	Pinagbuhatan, Pasig	121- 5- 41									
PSG-2203	WANDER (PHILS.) INC. #1	14- 34- 30		/ /67	182.92	15				8	3
	E. Rodriguez Ave., Ugong, Pasig	121- 4- 55									
PSG-2204	WANDER (PHILS.) INC. #2	14- 34- 30	Goldwater	/ /74	243.90	25			10.10	8	
	E. Rodriguez Ave., Ugong, Pasig	121- 4- 55									
PSG-2205	UNION GLASS #1	14- 34- 30		/ /60	155.48		9.45	25.00	8.20	8	3
	E. Rodriguez Ave., Ugong, Pasig	121- 4- 17									
PSG-2206	UNION GLASS #2	14- 34- 30		/ /57	304.87	30	54.88	85.36	26.87	8	
	Bo. Ugong, Pasig, M.M.	121- 4- 17									
PSG-2207	Resins Inc.	14- 34- 23		/ /					8.50	5	1
	Bagong Ilog, Pasig	121- 4- 14									
PSG-2208	Resins Inc.	14- 34- 23		/ /					2.50	5	1
	Bagong Ilog, Pasig	121- 4- 14									
PSG-2209	MARIWASA MANUFACTURING CO. #2	14- 35- 24	Shamrock	02/01/72	243.90		33.53		13.88	8	
	Ortigas Ave., Rosario, Pasig, M.M.	121- 5- 35									
PSG-2210	Mariwasa Mfg. Inc.	14- 35- 25		/ /					13.50	8	1
	Ortigas Ave. Ext., Pasig	121- 5- 37									
PSG-2211	Mariwasa Mfg. Inc.	14- 35- 22		/ /	152.00		12.19		9.46	8	1
	Ortigas Ave. Ext., Pasig	121- 5- 40									
PSG-2212	DELTA MANUFACTURING CORPORATION	- -	Acoje	/ /	243.90	20	67.07	128.04	20.25	8	
	Pasig, M.M.	- -									
PSG-2213	Aero Space Chem. Inc.	- -		/ /81	152.40		15.75		15.75	5	
	Pasig	- -									
PSG-2214	Camp Ordinance Area	- -		/ /66	195.12		24.39			2	
	Fort Bonifacio, Pasig	- -									
PSG-2215	Commercial Motors, Inc.	14- 34- 9		/ /	213.40		27.00		14.39	3	
	Pasig	121- 5- 33									
PSG-2216	Fort Bonifacio	- -		/ /65	213.41		36.60		4.10	2	
	Pasig	- -									
PSG-2217	Fort Bonifacio	- -		/ /73	182.88		47.25		13.90	2	
	Pasig	- -									
PSG-2218	Fort Mc Kinley	- -		/ /53	103.05		1.83		15.78	2	
	Pasig	- -									
PSG-2219	Fort Mc Kinley	- -		/ /53	129.86		19.82		1.88	2	
	Pasig	- -									
PSG-2220	Fort Mc Kinley	- -		/ /58	123.48		21.34		15.77	2	
	Pasig	- -									
PSG-2221	Fort Mc Kinley	- -		/ /58	100.61		-			2	
	Pasig	- -									
PSG-2222	Fort Mc Kinley	- -		/ /60	128.05		5.49		17.04	2	
	Pasig	- -									
PSG-2223	Fort Mc Kinley	- -		/ /51	182.88		21.34		14.50	2	
	Pasig	- -									

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PSG-2224	Fort Mc Kinley	- -		/ /57	143.29					2	
	Pasig	- -									
PSG-2225	Fort Mc Kinley	- -		/ /58	125.00		24.39		16.09	2	
	Pasig	- -									
PSG-2226	Fort Mc Kinley	- -		/ /58	96.04		15.24			2	
	Pasig	- -									
PSG-2227	Jusmag Housing	- -		/ /58	111.28		21.34		15.78	1	
	Pasig	- -									
PSG-2228		- -		/ /79	243.90		23.78		6.94	1	
	Laoong Laan, Pasig	- -									
PSG-2229	Fort Mc Kinley	- -		/ /59	231.71		30.49		12.62	2	
	Lawton Ave., Pasig	- -									
PSG-2230	Litton Mills	- -		/ /			54.50		1.50	7	
	Pasig	- -									
PSG-2231	NHA	14- 29- 30		/ /83	152.40				14.44	1	
	Mangahan, Pasig	121- 7- 9									
PSG-2232	Manpower Skill Training Center	- -		/ /72	201.36		12.20		12.60	2	
	Fort Bonifacio, Pasig	- -									
PSG-2233	MARBAY & COMPANY	- -	Condrill	/ /81	305.00		62.00		8.60	8	
	Emerald II Building, Pasig, M.M.	- -									
PSG-2234	Ayala Invest. & Dev., Corp.	- -		/ /82	304.80		15.84		15.33	1	
	Ortigas Ave., Pasig	- -									
PSG-2235	Pepsi Cola Inc.	14- 34- 22		/ /69	234.80		48.80			4	
	Pasig	121- 4- 6									
PSG-2236		- -		/ /60	173.78		3.66		14.83	1	
	Pilapil St., Pasig	- -									
PSG-2238		14- 33- 45		/ /							
	Pob. Malinao St., Pasig	121- 4- 25									
PSG-2239		- -		/ /78	61.00		2.44			1	
	Rosario, Pasig	- -									
PSG-2241	Litton Spinning Mills	14- 35- 36		/ /60	182.90					7	
	Rosario, Pasig	121- 4- 55									
PSG-2242	Cristopher Steel Corp.	14- 33- 15		/ /						8	
	San Joaquin, Pasig	121- 4- 35									
PSG-2243	SMC	- -		/ /75	243.90		36.67		11.78	4	
	Pasig	- -									
PSG-2244		- -		/ /65	818.30					1	
	San Nicolas, Pasig	- -									
PSG-2245		- -		/ /80	243.90		62.52			1	
	Santolan, Pasig	- -									
PSG-2246		- -		/ /60	242.39		12.19		15.77	1	
	Santolan, Pasig	- -									
PSG-2247		- -		/ /60			12.19		15.77	1	
	Santolan, Pasig	- -									
PSG-2249	Gen. Heat Corp.	- -		/ /73	152.40		35.80		10.00	8	
	Santolan, Pasig	- -									
PSG-2250	Troop Housing Project	- -		/ /58	134.15		18.29		6.31	2	
	Fort Mc Kinley, Pasig	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
PSG-2251	Universal Comm. Corp.	- -		/ /59			4.00		0.04	8	
	Pasig	- -									
PSG-2252	Universal Mills Corp.	- -		/ /70	121.91		18.30		3.51	7	
	Pasig	- -									
PSG-2253	Universal Mills Corp.	- -		/ /71	182.88		29.87		10.41	7	
	Pasig	- -									
PSG-2254	Universal Robina Corp.	- -		/ /71	143.90		74.70		6.94	4	
	Pasig	- -									
PSG-2255	Urban Bliss	- -		/ /82	244.00		33.60		18.70	1	
	Pasig	- -									
PTR-1001	FORT BONIFACIO	14- 32- 54	Condrill	10/28/76	99.08	20	7.47		12.60	1	3
	Fort Bonifacio, Pateros, M.M.	121- 3- 47									
PTR-1002	SAN PEDRO	14- 32- 56	Condrill	06/04/77	55.79	20				1	3
	Bo. San Pedro, Pateros, M.M.	121- 3- 53									
PTR-2001	NAT'L. INDUSTRIAL GASES CORPORATION	- -		/ /	182.90	20			11.10	8	
	M. Concepcion, Buting, Pateros, M.M.	- -									
PTR-2002	ST. CHRISTOPHER STEEL	- -		/ /69		20	3.04	4.57	4.00	8	
	San Joaquin, Pateros, M.M.	- -									
PTR-2003	UNITED SUBDIVISION	- -		/ /						1	3
	San Joaquin, Pateros, M.M.	- -									
PTR-2004	CAMARA STEEL	- -		/ /						8	3
	San Joaquin, Pateros, M.M.	- -									
QCT-1001	IBP (CONSTITUTIONAL HILLS) #1	14- 41- 54	KATWELL	04/23/78	274.00	25	16.00	83.00	15.00	1	2
	Constitutional Hills, Q.C.	121- 5- 32									
QCT-1002	IBP (CONSTITUTIONAL HILLS) #2	14- 41- 40	NIA	/ /78	206.00		19.79		6.37	1	2
	Constitutional Hills, Q.C.	121- 5- 36									
QCT-1003	IBP (CONSTITUTIONAL HILLS) #3	14- 41- 35	NIA	/ /81	304.80	20	51.80	80.00	11.70	1	1
	Constitutional Hills, Q.C.	121- 5- 37									
QCT-1004	SOUTH FAIRVIEW SUBD. #1	14- 42- 11	Marcee	03/01/69	213.40	30	54.86	85.30	15.80	1	1
	South Fairview Subd., Q.C.	121- 4- 11									
QCT-1005	SOUTH FAIRVIEW SUBDIVISION #2	14- 42- 3	Pyramid	/ /70	213.40		2.43	19.80		1	1
	South Fairview Subd., Q.C.	121- 3- 53									
QCT-1006	SOUTH FAIRVIEW SUBDIVISION #3	14- 42- 39		/ /70	213.40		18.28	51.20	37.80	1	1
	South Fairview Subd., Q.C.	121- 4- 17									
QCT-1007	LAGRO SUBDIVISION #1	14- 44- 11	Margo Trading	/ /	243.80		6.09	73.15	22.05	1	1
	Lagro Subdivision, La Mesa Dam, Q.C.	121- 3- 56									
QCT-1008	LAGRO SUBDIVISION #3	14- 43- 10	Margo Trading	/ /	243.80		6.09	30.48	22.05	1	1
	Lagro Subdivision, La Mesa Dam, Q.C.	121- 3- 46									
QCT-1009	LAGRO SUBDIVISION #4	14- 43- 53	Margo Trading	/ /	243.84		6.09	30.48	22.05	1	2
	Lagro Subdivision, La Mesa Dam, Q.C.	121- 3- 51									
QCT-1010	SOUTH FAIRVIEW SUBDIVISION #4	14- 42- 40	PIWDC	/ /77	304.80		39.60	61.00	37.80	1	1
	South Fairview Subd., Q.C.	121- 3- 41									
QCT-1011	NOVALICHES POBLACION	14- 43- 20	Katwell	/ /79	243.84	25	26.00	39.60	14.40	1	2
	Poblacion, Novaliches, Quezon City	121- 2- 16									
QCT-1012	BAGBAG, NOVALICHES #1	14- 41- 59	NIA	05/28/78	200.00	25	35.01	92.96	14.00	1	2
	Bagbag, Novaliches, Q.C.	121- 1- 58									
QCT-1013	CONGRESSIONAL VILLAGE, PROJ. 8	14- 40- 25	PIWDC	/ /80	274.32	25	101.00	112.70	11.00	1	2
	Congressional Village, Proj. 8, Q.C.	121- 1- 37									

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QCT-1014	ESCOPA, PROJ. 4	14- 37- 36	Pacheco	11/19/79	274.00	20	85.00	98.00	13.00	1	1
	Escopa, Project 4, Quezon City	121- 4- 19									
QCT-1015	D. TUAZON PUMPING STATION	14- 38- 11	Katwell	/ /79	244.00	20	11.30	113.00	8.00	1	2
	D. Tuazon Pumping Station Cod., Q.C.	120- 59- 46									
QCT-1016	D. TUAZON ELEMENTARY SCHOOL	14- 37- 45	Condrill	/ /79	244.00	20	11.00	114.00	8.00	1	2
	D. Tuazon Elementary School, Q.C.	120- 59- 46									
QCT-1017	NORTH FAIRVIEW (PHASE 8)	- -		/ /						1	2
	North Fairview, Q.C.	- -									
QCT-1018	IBP (CONSTITUTIONAL HILLS) #4	14- 41- 54	Pacheco	/ /81	304.80	20	56.00	79.88	12.68	1	1
	Constitutional Hills, IBP, Q.C.	121- 5- 41									
QCT-1019	LAGRO SUBDIVISION #5	- -		/ /72						1	1
	Block 59, Lagro Subd., Novaliches	- -									
QCT-1020	LAGRO SUBDIVISION #2	14- 43- 29	Margo Trading	/ /	243.84		6.09	33.50	22.10	1	1
	Lagro Subdivision, La Mesa Dam, Q.C.	121- 3- 57									
QCT-1021	GREENMEADOWS SUBDIVISION	14- 36- 9	J.B. HOOVER	04/12/77						1	1
	Greenmeadows Subd., Phase III, Q.C.	121- 36- 3									
QCT-1022	GREENMEADOWS SUBDIVISION #4	14- 36- 3	J.B. HOOVER	07/22/77						1	1
	Greenmeadows Subd., Phase III, Q.C.	121- 4- 6									
QCT-2001	Vista Real	- -		/ /89	244.00	20				1	
	Diliman, Quezon City	- -									
QCT-2002	V-1 NIA Compound	14- 38- 20	NIA - UNDP	01/02/75	152.00	40	12.98	47.48	7.12	1	
	East Triangle, Q. C.	121- 2- 28									
QCT-2003	Shamrock Well Drilling Ent. (V-3)	14- 41- 3	Shamrock	11/12/71	304.80	15	31.40	80.80	2.02	8	
	Shamrock Yard, Novaliches, Q.C.	121- 1- 22									
QCT-2004	Armco Marsteel Alloy Corp. (V-2)	14- 40- 58	Shamrock	05/16/76	365.80	25	13.70	87.48	17.04	8	
	Quirino Highway cor. T. Sora, Q.C.	121- 1- 4									
QCT-2005	Rubber World Inc. (V-4)	14- 40- 56	Shamrock	/ /	304.88	25	18.30	93.90	17.04	6	
	Talipapa, Novaliches, Q. C.	121- 1- 29									
QCT-2006	World Builders Inc. #2	- -		/ /89	305.00	25				8	
	SSS Housing Proj., North Fairview	- -									
QCT-2007	Iglesia ni Kristo Well #4	- -		/ /83	243.90					2	
	Don Mariano Marcos Avenue, Q.C.	- -									
QCT-2008	Fil-Invest Dev. Corp.	- -	Shamrock	04/08/80	121.95	20	25.91	90.14	2.91	1	
	Commonwealth Avenue, Q.C.	- -									
QCT-2009	Hillcrest Village	- -	Pyramid	/ /87	183.00	20	16.77	43.14	9.46	1	
	Camarin , Novaliches, Q.C.	- -									
QCT-2010	Nutritive Snack Food Corp.	- -		04/01/87	149.00	20	39.79	54.42	8.20	4	
	General Luis St., Novaliches, Q.C.	- -									
QCT-2011	A G & P - NLDC Project	- -	Orbit Wells	/ /88	214.00	20	12.37	86.31	8.20	8	
	San Agustin, Novaliches, Q.C.	- -									
QCT-2012	HSDC - Urban Bliss	14- 41- 0	DCA	06/05/82	243.90	20	32.31	40.35	17.54	1	
	Don M. Marcos Ave., Capitol Bliss	121- 5- 5									
QCT-2013	Merry Homes Subdivision	- -		/ /85						1	
	Camarin, Novaliches, Q.C.	- -									
QCT-2014	Just Textile Finishing Corp.	14- 39- 5	DCA	/ /83	320.00	25				7	
	Kaingin Road, Q.C.	121- 0- 24									
QCT-2015	Aurora Tower	14- 37- 25	DCA	/ /83	304.88	25	55.00	76.81	13.73	3	
	Aurora Blvd., Cubao, Q.C.	121- 3- 7									

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QCT-2016	World Builders Inc. Well #1	- -	Original Eng'g.	/ /88	305.00	25				8	
	SSS Housing Project, North Fairview	- -									
QCT-2017	Kalinisan Steam Laundry	- -	PIWDC	/ /87	213.41	25	95.39	101.30	9.33	8	
	Bagumbayan, Libis, Q. C.	- -									
QCT-2018	Trans - Union Corporation	14- 43- 4	Acoje	01/09/88	243.90	25	32.31	43.16	15.45	1	
	St. Francis Village, San Bartolome	121- 2- 24									
QCT-2019	Silverland Realty & Dev. Corp.	14- 39- 54	Lucas	03/30/88	210.00	20	45.73	61.28	7.70	1	
	Mapayapa Village, Q.C.	121- 3- 36									
QCT-2020	PSSPO	14- 44- 53	Hydro-Wells	05/20/88	259.15	20	44.87	65.40	13.00	1	
	Dela Costa Subdivision, Novaliches	121- 4- 31									
QCT-2021	General Fabrikoid Mfg. Inc.	- -	Orbit Wells	05/01/86	201.80	25	33.54	76.07	9.46	7	
	122 Susano, San Agustin, Novaliches	- -									
QCT-2022	Oriental Tin Can & Metal Sheet	- -	Shamrock	07/27/81	243.90	20	30.49	45.43	9.46	8	
	Bo. Capri, Novaliches , Q.C.	- -									
QCT-2023	Labrador Realty Corp.	14- 40- 56	Aquarius	07/22/88	182.93	15	60.79	117.10	1.26	1	
	San Pedro Cod., T. Sora, Novaliches	121- 2- 46									
QCT-2024	Synergy Const. & Dev. Corp.	- -	Hydro-Wells	/ /89	102.00	10	3.20	7.74	1.51	8	
	Industrial Complex, Congressional Ave.	- -									
	Proj. 8, Q.C.										
QCT-2025	Just Textile Finishing Inc.	- -	Hydro-Wells	01/01/88	304.88	25	81.03	156.51	9.46	7	
	Grace Village, Balintawak, Q.C.	- -									
QCT-2026	Just Textile Finishing, Inc.	- -	Hydro-Wells	02/01/89	304.88	25	137.38	158.56	8.32	7	
	23 Kaingin Road, Q.C.	- -									
QCT-2027	Innotech	- -	Aqua-Line	/ /90	182.93	15				8	1
	Commonwealth Avenue, Diliman, Q.C.	- -									
QCT-2028	Justext Finishing Corp.	- -	Hydro-Wells	07/01/88	304.88	25	121.00	134.85	6.93	7	
	Talayan Village, Q.C.	- -									
QCT-2029	Shoemart Incorporated	14- 39- 26	Hydro-Wells	07/01/87	304.88	20	41.39	124.90	6.07	3	
	North EDSA, Q.C.	121- 1- 43									
QCT-2030	SM Inc. - Annex	- -	Hydro-Wells	/ /	304.88	20	66.00	135.60	7.56	3	
	SM EDSA, North Avenue, Q.C.	- -									
QCT-2031	Extra Ordinary Dev. Corp.	14- 43- 31	Miguel	09/29/88	213.41	20	33.54	76.22	9.46	1	
	Villa Nova, Gen. Luis St.,	121- 1- 33									
	Novaliches , Q.C.										
QCT-2032	CAPITOL KNITTING MILLS	- -	SHAMROCK	/ /71	182.90	15	54.60	82.90	6.30	7	
	Talayan St., Sta Mesa Heights, Q.C.	- -									
QCT-2033	JOY BROS., INC.	- -	Lopez	/ /65	121.90	20	45.70		4.50	8	
	La Loma (Makaturing), Quezon City	- -									
QCT-2034	NATIONAL ORTHOPEDIC HOSPITAL	- -		/ /		20			1.00	2	
	Sta. Mesa Heights, Quezon City	- -									
QCT-2035	MR. GEORGE YOUNG	- -	Lopez	/ /69	152.40	20	3.50		1.00	1	
	10th St., Gilmore, New Manila, Q.C.	- -									
QCT-2036	U.E. HOSPITAL #1	- -	Lopez	/ /70	243.80	20			10.20	2	3
	Magsaysay Ave., Sta. Mesa	- -									
QCT-2037	U.E. HOSPITAL #2	- -	Lopez	05/30/70	283.90	25			11.10	2	
	Quezon City	- -									
QCT-2038	Ocean Air Product	- -		/ /65	189.02	25			7.57	8	
	Quezon City	- -									

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QCT-2039	Liberty Oil Factory	- -		/ /76					6.50	8	
	Quezon City	- -									
QCT-2040	Oriental Tin Can Metal	- -		/ /					11.10	8	
	Quezon City	- -									
QCT-2041	Metropolitan Textile	- -		/ /					14.00	7	
	Quezon City	- -									
QCT-2042	Kimco Village	- -		/ /		15			12.00	1	3
	Quezon City	- -									
QCT-2043	Central Textile	- -		/ /					8.50	7	
	Quezon City	- -									
QCT-2044	GSIS Hills Village	- -		/ /74	243.90	20			25.25	1	
	Quezon City	- -									
QCT-2045	Manila Rubber	- -		/ /	182.92				12.62	6	
	Quezon City	- -									
QCT-2046	Manila Rubber	- -		/ /	259.14				12.62	6	
	Quezon City	- -									
QCT-2047	Central Textile	- -		/ /78					14.00	7	
	Quezon City	- -									
QCT-2048	Central Textile	- -		/ /					15.50	7	
	Quezon City	- -									
QCT-2049	Central Textile	- -		/ /					7.00	7	
	Quezon City	- -									
QCT-2050	Interville Subd.	- -		/ /					11.10	1	
	Quezon City	- -									
QCT-2051	Sun Ville Subd.	- -		/ /					12.03	1	
	Quezon City	- -									
QCT-2052	Manila Blue Printing	- -		/ /					7.50	3	
	Quezon City	- -									
QCT-2053	El Oro Dimver	- -		/ /					16.60	3	
	Quezon City	- -									
QCT-2054	Solar Plastic	- -		/ /					4.00	8	
	Quezon City	- -									
QCT-2055	Mr. Edward Maagma	- -		/ /						1	
	Quezon City	- -									
QCT-2056	DAYTONA CONSTRUCTION	- -		/ /76	97.56	15			7.40	1	
	Novaliches, Quezon City	- -									
QCT-2057	Alpha Village	- -		/ /69	60.38	15			10.10	1	
	Quezon City	- -									
QCT-2058	Alta Vista	- -		/ /					11.10	1	
	Quezon City	- -									
QCT-2059	Eastern Scott	- -		/ /	359.66	32	138.37	153.31	31.50	7	
	Baesa, Novaliches, Q.C.	- -									
QCT-2060	MANILA PAPER MILLS #15	- -	J.B. Hoover	/ /80	273.40	50	57.91	103.50	18.90	7	
	Baesa, Quezon City	- -									
QCT-2061	UERM RESEARCH CENTER #3	- -		/ /77	213.40	25	97.00			2	
	Magsaysay Ave., Sta. Mesa	- -									
QCT-2062	DMG MOTORS #1	- -	J.B. Hoover	/ /63	208.15	20	45.10	49.90	5.10	3	
	Espana Ext., Quezon City	- -									

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OCT-2063	YSMAEL STEEL #2	- -	J.B. Hoover	/ /64	152.40	10	23.20	33.50	6.00	8	
	Espana Ext., Quezon City	- -									
OCT-2064	DMG MOTORS #3	- -		/ /71	237.70	15	17.70		7.00	3	
	Espana Ext., Quezon City	- -									
OCT-2065	ESPANA ICE PLANT	- -		/ /67	213.40	20	36.60		7.60	3	
	Espana Ext., Quezon City	- -									
OCT-2066	PEPSI COLA #1	- -	J.B. Hoover	/ /62	457.20	30	34.50	69.80	2.50	4	
	Aurora Blvd., Quezon City	- -									
OCT-2067	PEPSI COLA #2	- -		/ /73	365.80	30	77.70	126.30	5.00	4	
	Aurora Blvd., Quezon City	- -									
OCT-2068	PEPSI COLA #3	- -	Shamrock	05/24/79	335.30	20	12.70	79.30	6.30	4	
	Aurora Blvd., Quezon City	- -									
OCT-2069	CHRIST THE KING SEMINARY	- -	J.B. Hoover	/ /76	230.10	15	70.10	93.60	5.60	2	
	E. Rodriguez Sr. Ave., Quezon City	- -									
OCT-2070	ST. LUKE'S HOSPITAL	- -		/ /67	167.00	20	18.30		9.30	2	
	Espana Ext., Quezon City	- -									
OCT-2071	MR. CHARLIE YOUNG	- -	Lopez	05/23/70	167.00	10			9.00	3	
	Wayan St., Broadway, Quezon City	- -									
OCT-2072	MAGNOLIA DAIRY PRODUCTS PLANT	- -		/ /74		15	13.40	94.50	5.90	4	
	Aurora Blvd., Quezon City	- -									
OCT-2073	PORFIRIO CRUZ	- -	Lopez	/ /65	128.00	10	15.24		0.10	1	
	Wayan St., Quezon City	- -									
OCT-2074	QUEZON CITY SPORTS CLUB	14- 37- 26	Shamrock	06/25/78	243.80	20	28.00	52.10	8.70	1	2
	J. Osmena cor. E. Rodriguez Ave.,	121- 1- 35									
	New Manila, Quezon City										
OCT-2075	B. DIZON	- -	Lopez	01/26/69	121.90	10	7.90		10.00	1	
	Boston St., Cubao, Quezon City	- -									
OCT-2076	ARISTOCRAT RESTAURANT	- -	Lopez	/ /70	121.90	8	10.70		6.50	3	3
	Cubao, Quezon City	- -									
OCT-2077	Farmer's Market	- -		/ /	182.90	20	15.20		10.20	3	
	Baesa, Novaliches, Q.C.	- -									
OCT-2078	ALI MALL II	- -	SERCON	/ /79	182.90	20	73.50	71.90	7.30	3	
	Araneta Center, Cubao, Q.C.	- -									
OCT-2079	KIMPURA FAST FOOD	- -	SERCON	09/25/78	186.90	20	45.70		6.30	3	
	Cubao, Quezon City	- -									
OCT-2080	TMX (PHILS) INC.	14- 37- 43	SHAMROCK	/ /77	182.90	20	28.90	34.20	8.20	1	
	1600 Aurora Blvd., Cubao, Q.C.	121- 4- 7									
OCT-2081	UNITED PASIONEER CORPORATION	- -	Lopez	04/22/67					6.50	3	
	20th Ave., Cubao, Quezon City	- -									
OCT-2082	ADAMSON & ADAMSON	- -	Shamrock	10/01/74	365.80	25	27.00		5.50	8	2
	Col. Serrano St., Cubao, Quezon City	- -									
OCT-2083	FRANCISCO ROBES	- -	Lopez	/ /65	122.00					1	3
	Cubao, Quezon City	- -									
OCT-2084	FORT AGUINALDO GOLF COURSE	- -		/ /	183.00	15	14.00	23.00	12.50	2	
	Fort Aguinaldo, Q.C.	- -									
OCT-2085	FORT AGUINALDO	- -	CYCLONE	/ /	183.00	20	36.00	51.00	18.90	2	
	Fort Aguinaldo, Q.C.	- -									
OCT-2086	White Plains Subd.	- -	Casuso	/ /	241.00	15	25.00	30.00	18.90	1	
	Quezon City	- -									

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QCT-2087	ORTIGAS & CO. LTD.	14- 36- 5	J.B. Hoover	/ /77	274.00	20	48.00	82.00	25.00	3	
	Greenmeadows, Phase III, Q.C.	121- 4- 1									
QCT-2088	ORTIGAS & CO. LTD.	14- 35- 54	J.B. Hoover	/ /77	297.00	25	53.00	80.00	34.00	3	
	Murphy, Q.C.	121- 4- 10									
QCT-2089	HYDRO RESOURCES CONTRACTOR	- -	Condrill	10/20/76	244.00	20	76.00	85.40	5.17	3	
	E.Rodriguez Sr. Ave., Quezon City	- -									
QCT-2090	Sarmiento	- -		/ /					11.10	3	
	Quezon City	- -									
QCT-2091	ROYAL INDUSTRY & DEVELOPMENT CORP.	- -	CYCLONE	/ /77	213.00	20	71.00	81.70	6.90	8	
	E.Rodriguez Sr. Ave., Quezon City	- -									
QCT-2092	Concrete Aggregates	- -		/ /	244.00	15	8.50			8	3
	Quezon City	- -									
QCT-2093	Concrete Aggregates	- -	Shamrock	/ /78	229.00	20	55.00	61.00	9.39	8	
	Quezon City	- -									
QCT-2094	Monarch International	- -		/ /77	244.00	25	79.00	87.00	8.30	8	
	Quezon City	- -									
QCT-2095	Universal Robina	- -		/ /					5.50	4	
	Quezon City	- -									
QCT-2096	LBL INDUSTRIES, INC.	- -		/ /					5.00	1	
	Talampas, Quezon City	- -									
QCT-2097	COLOR CHEM.L	- -		/ /					3.50	5	
	Bo. Talampas, Quezon City	- -									
QCT-2098	F.F. CRUZ	- -		/ /					4.50	8	
	Bo. Talampas, Quezon City	- -									
QCT-2099	Steniel Manufacturing	- -		/ /					6.00	7	
	Quezon City	- -									
QCT-2100	ENGINEERING EQUIPMENT INC.	- -	Shamrock	/ /77	213.00	20			10.50	8	
	Libis, Q.C.	- -									
QCT-2101	SKY PRINTING	- -		/ /						8	
	Talampas, Quezon City	- -									
QCT-2102	GENERAL TEXTILE	- -	Rexwell	/ /	213.00	15	9.00	21.00	47.00	7	
	Quezon City	- -									
QCT-2103	WORLDWIDE PAPER MILLS #1	- -		/ /	59.70	10				7	3
	San Francisco del Monte, Quezon City	- -									
QCT-2104	WORLDWIDE PAPER MILLS #2	- -	J.B. Hoover	/ /53	291.00	40	26.00	40.00	50.00	7	
	Bale St., Judge Luna, Quezon City	- -									
QCT-2105	WORLDWIDE PAPER MILLS #3	- -		/ /	305.00	40	91.00		15.70	7	
	Baler St., Judge Luna, Quezon City	- -									
QCT-2106	ATTY. LAURO AGUILA	- -	Lopez	/ /70	122.00	15	46.00		12.00	3	
	De Jesus St., Roosevelt Ave., Q.C.	- -									
QCT-2107	H. B. REYES	- -		/ /59	135.00	10	19.00		5.50	3	
	181 Sampaloc Ave., SFDM, Quezon City	- -									
QCT-2108	NYLON ZIPPER	- -		/ /68	183.00	20	64.00	79.00	5.00	3	
	San Francisco del Monte, Quezon City	- -									
QCT-2109	SPINNING MILLS	- -		/ /	243.00	20			5.00	7	
	San Francisco del Monte, Quezon City	- -									
QCT-2110	RAYMUNDO CHUA	- -	Lopez	07/08/67	122.00	15	1.80		1.00	3	
	Makaturing, La Loma, Quezon City	- -									

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QCT-2111	CECILIA TAGLE	- -		/ /62	152.00	10	27.00	36.00	1.90	1	
	San Francisco del Monte, Quezon City	- -									
QCT-2112	JALWINDOR, INC.	- -	Lopez	/ /69	152.00	15	75.00		5.00	3	
	Roosevelt Ave., Quezon City	- -									
QCT-2113	MR. FILIPE GONZALES	- -	Lopez	/ /65	122.00	15	27.00		0.80	3	
	West Ave., San Francisco del Monte	- -									
QCT-2114	AVESCO	- -	B.R. Dizon	/ /	113.00	15			5.50	3	
	Roosevelt Ave., SFDM	- -									
QCT-2115	PANTRANCO BUS CO.	- -	Lopez	07/29/67	247.00	35	13.00		5.50	3	
	Quezon Ave., Quezon City	- -									
QCT-2116	NHA WEST AVE.	- -	Shamrock	/ /79	244.00	20	13.00	82.00	5.70	1	
	West Ave., Quezon City	- -									
QCT-2117	INTERNATIONAL DRILLING INC.	- -		/ /	91.00	15			5.50	3	
	25 West Road, Quadrangle, Q.C.	- -									
QCT-2118	ESSO SERVICE STATION	- -	Lopez	04/26/67	122.00	15	11.60		0.50	3	
	EDSA cor. Quezon Blvd., Quezon City	- -									
QCT-2119	ABS-CBN #1	- -		/ /	122.00	10	20.00	39.00	3.00	3	
	Bohol Ave., Quezon City	- -									
QCT-2120	PHIL-AM LIFE HOUSING	- -	Casuso	/ /	186.00	20			10.20	3	
	West Ave., Quezon City	- -									
QCT-2121	NEW QUEZON CITY HALL	- -	Lopez	10/25/73	213.00	15	15.00		1.00	2	
	New Quezon City Hall, East Ave., Q.C.	- -									
QCT-2122	NPWDC NURSERY	- -	Shamrock	/ /	183.00	15			10.20	2	
	West Ave., Quezon City	- -									
QCT-2123	O. C. MOTOR POOL SITE	- -		/ /	60.00	10			0.50	3	
	EDSA, Quezon City	- -									
QCT-2124	PRES. GARCIA RESIDENCE	- -	MWSA	/ /	81.30	10	17.00		3.70	1	
	Bohol Ave., Quezon City	- -									
QCT-2125	ESSO PHILS. INC.	- -	Lopez	12/11/67	152.40				8.30	8	
	Sampaloc Ave., Kamuning, Quezon City	- -									
QCT-2126	OTALCO CORP.	- -	Lopez	/ /67	152.00	20			6.00	3	
	Sto. Domingo, Quezon City	- -									
QCT-2127	CENTURY CHEMICAL	- -	SHAMROCK	12/12/79	183.00	20	4.50	83.00	1.10	4	
	Sto. Domingo, Quezon City	- -									
QCT-2128	SULO HOTEL	- -		/ /					6.50	3	
	Diliman, Quezon City	- -									
QCT-2130	GSIS HOSPITAL #1	- -	Shamrock	/ /	244.00	25	33.00	70.00	18.90	2	
	East Ave., Quezon City	- -									
QCT-2131	GSIS HOSPITAL #2	- -	Shamrock	/ /	244.00	25	29.00	73.00	20.40	2	
	East Ave., Quezon City	- -									
QCT-2132	V. LUNA HOSPITAL #1	- -		/ /	164.00	15	10.90	41.00	9.10	2	
	East Ave., Quezon City	- -									
QCT-2133	UP COLLEGE OF ENGINEERING	- -	Shamrock	/ /68	244.00	20	60.00	75.00		2	3
	UP College of Eng'g., Diliman, Q.C.	- -									
QCT-2134	IGLESIA NI KRISTO #1	- -	Acoje	/ /72	244.00	20	18.00	67.00	9.10	2	
	Diliman, Quezon City	- -									
QCT-2135	IGLESIA NI KRISTO #2	- -		/ /	244.00	20	24.00	48.00	25.00	2	
	Diliman, Quezon City	- -									

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OCT-2136	PAEC	- -		/ /	185.00	15				2	3
	Diliman, Quezon City	- -									
OCT-2137	MR. ARMANDO REYES	- -	Lopez	05/03/67	152.00	15		22.00	1.00	1	
	South Ave., Diliman, Quezon City	- -									
OCT-2138	DONA FAUSTINA SUBDIVISION	- -	Lopez	01/09/80	109.00	15	61.00		11.10	1	
	Dona Faustina Subd., Diliman, Q.C.	- -									
OCT-2139	XAVIERVILLE	- -	Shamrock	/ /	122.00	15			10.10	1	
	Loyola Heights, Diliman, Quezon City	- -									
OCT-2140	R. Manzano	- -		/ /79	146.30	20			10.10	1	
	La Vista, Quezon City	- -									
OCT-2141	CAPITOL GOLF CLUB #1	- -	Casuso	04/01/68	171.00	15	37.00	38.00	12.00	1	
	Balara, Quezon City	- -									
OCT-2142	CAPITOL GOLF CLUB #2	- -	Casuso	/ /78		15	43.00	55.00	3.60	1	
	Balara, Quezon City	- -									
OCT-2143	CALTEX	- -		/ /	183.00	15			0.50	3	
	Quirino Ave., Quezon City	- -									
OCT-2144	CENTRAL TEXTILE	- -	Shamrock	/ /	366.00	25			6.00	7	
	A. Bonifacio cor. EDSA, Quezon City	- -									
OCT-2145	CERCON INC.	- -	Lopez	09/21/68	181.60	15	26.00			8	3
	Balintawak, Quezon City	- -									
OCT-2146	ESSO SERVICE STATION	- -	Lopez	/ /69	152.40	15	30.00			3	3
	A. Bonifacio, Balintawak, Q.C.	- -									
OCT-2147	FOUNDRY & MACHINERY CORPORATION	- -		/ /64	213.00	15				8	3
	Balintawak, Quezon City	- -									
OCT-2148	HI-WAY 54, A.H.G. GUSTAVO	- -	Lopez	05/25/71	183.00	15	10.00		0.30	1	
	Hi-way 54, Balintawak, Quezon City	- -									
OCT-2149	ORIENTAL CORRUGATED	- -		/ /	152.00	15			6.00	8	2
	Balintawak, Quezon City	- -									
OCT-2150	MOBIL OIL	- -	Lopez	/ /	182.00	15			5.50	8	
	A. Bonifacio, Balintawak, Q.C.	- -									
OCT-2151	STONEHILL #1	- -		/ /68	122.00	15			8.70	8	
	Balintawak, Quezon City	- -									
OCT-2152	STONEHILL #2	- -		/ /	305.48	20			6.00	3	3
	Balintawak, Quezon City	- -									
OCT-2153	ROYAL UNDERGARMENT CORPORATION	- -	Casuso	/ /	305.00	30	42.00	58.00	12.60	7	
	Samson-Road, Balintawak, Quezon City	- -									
OCT-2154	ROYAL UNDERGARMENT CORPORATION	- -	Wells & Pumps	/ /65	243.80	25	109.70			3	3
	Royal Road, Quezon City	- -									
OCT-2155	LA CAMPANA FOOD PRODUCTS	- -		/ /69	305.00	25	91.00			4	3
	EDSA, Quezon City	- -									
OCT-2156	DR. ROQUE	- -	Lopez	01/18/67	213.00	20	13.70			1	3
	A. Bonifacio, Balintawak, Q.C.	- -									
OCT-2157	REP. BROADCASTING CORPORATION	- -		/ /					0.90	3	
	EDSA, Balintawak, Quezon City	- -									
OCT-2158	PHIL. STEEL MANUFACTURING	- -	Lopez	02/28/71	183.00	20	52.00		6.00	8	
	Quezon City	- -									
OCT-2159	PHILIPPINE RABBIT BUS LINE	- -	Shamrock	04/01/77	305.00	15	62.00	149.00	1.30	3	
	North Diversion Road, Balintawak, Q.C.	- -									

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OCT-2160	NATIONAL POWER CORPORATION #1	- -		/ /62	137.00	15			6.50	3	
	EDSA, Balintawak, Quezon City	- -									
OCT-2161	PHILIPPINE FABRIKOID #1	- -		/ /66	213.30	20	146.30			8	3
	Balintawak, Quezon City	- -									
OCT-2162	PHILIPPINE FABRIKOID #2	- -	Maple Leaf	/ /78	243.00	20	146.00	158.00	5.50	7	
	Balintawak, Quezon City	- -									
OCT-2163	UNIBOX PACKAGING CORPORATION	- -		/ /69	213.00			128.00		3	3
	Bo. Kangkong, Balintawak, Q.C.	- -									
OCT-2164	GOSOC & SONS	- -	Shamrock	/ /70	183.00					3	3
	Balintawak, Quezon City	- -									
OCT-2165	ARCHIPELAGO BUILDERS	- -	Dionisio	12/12/75	121.93				0.90	3	
	78 Old Samson Road, Quezon City	- -									
OCT-2166	UNION INDUSTRIES, INC.	- -		/ /65	152.00					8	3
	EDSA, Quezon City	- -									
OCT-2167	CONTAINER CORP. OF THE PHILS. #1	- -	J.B. Hoover	/ /61	243.00	25	152.00	182.00	8.60	8	
	Old Samson Road, Quezon City	- -									
OCT-2168	CONTAINER CORP. OF THE PHILS. #2	- -	J.B. Hoover	/ /61	305.00	30	152.00	182.00	8.60	8	
	Old Samson Road, Quezon City	- -									
OCT-2169	QUZON CITY GENERAL HOSPITAL #1	- -	Lopez	/ /68	183.00	10	82.00		6.30	2	
	EDSA, Quezon City	- -									
OCT-2170	O.C. GENERAL HOSPITAL #2	- -	NWSA	/ /	243.00					2	3
	Quezon City	- -									
OCT-2171	ST. CATHERINE ACADEMY	- -	Lopez	/ /72	183.00					2	3
	EDSA, Quezon City	- -									
OCT-2172	IGLESIA NI KRISTO	- -		/ /						1	3
	EDSA, Bago Bantay, Quezon City	- -									
OCT-2173	GOLDEN ACRES	- -		/ /					0.90	1	
	Bagong Pag-asa, Quezon City	- -									
OCT-2174	BLISS PAG-ASA #1	- -		/ /					18.50	1	
	Bagong Pag-asa, Quezon City	- -									
OCT-2175	BLISS PAG-ASA #2	- -		/ /					10.20	1	
	Bagong Pag-asa, Quezon City	- -									
OCT-2176	VETERANS MEMORIAL HOSPITAL #1	- -		/ /	290.00	20	15.00	25.00	40.00	2	3
	Pag-asa, Quezon City	- -									
OCT-2177	VETERANS MEMORIAL HOSPITAL #2	- -		/ /58	271.00		31.00		15.00	2	
	Pag-asa, Quezon City	- -									
OCT-2178		- -		/ /	259.00		13.00	47.00	29.70	1	
	A. Roces Ave., Q.C.	- -									
OCT-2179		- -		/ /	210.00		10.00	39.00	8.80	1	
	Project 6, Q.C.	- -									
OCT-2180	DIAMOND ICE PLANT	- -	PIWDC	12/18/77	244.00	15	58.00	156.00	4.40	8	
	Bo. Kaingin, Quezon City	- -									
OCT-2181	MASTER STEEL	- -	Lopez	02/04/67	211.00				5.50	8	
	Bo. Kaingin, Quezon City	- -									
OCT-2182	SERGIO LIM	- -	Lopez	01/09/70	122.00		44.00		0.50	1	
	Kaingin Road, Novaliches, Q.C.	- -									
OCT-2183	PERLON TEXTILE	- -		/ /	305.00		20.00	94.00	3.80	7	
	Bo. Kaingin, Quezon City	- -									

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QCT-2184	PERLON DEVELOPMENT CORPORATION	- -	Lopez	01/09/70	245.00				2.00	8	
	Bo. Kaingin, Quezon City	- -									
QCT-2185	RODA MARIA	- -	Lopez	07/04/70	122.00		78.00		0.50	1	
	Baesa, Quezon City	- -									
QCT-2186	GOODYEAR STEEL PIPES	- -		/ /73	366.00	35	129.00	135.00	5.20	8	
	Baesa, Quezon City	- -									
QCT-2187	TOMAS F. LOPEZ	- -	Lopez	/ /69	116.00				1	3	
	Baesa, Quezon City	- -									
QCT-2188	CAPITOL PLUMBING & HARDWARE	- -	Lopez	03/01/78	152.00	10	54.00		5.50	3	
	Baesa, Quezon City	- -									
QCT-2189	FLORES CONSTRUCTION	- -	Lopez	/ /65	91.00	10			3	3	
	Mendez St., Baesa, Quezon City	- -									
QCT-2190	CANTO BAKERY	- -	Lopez	/ /65	122.00	10			3	3	
	Baesa, Quezon City	- -									
QCT-2191	FILOIL MARKETING CORPORATION	- -	Shamrock	02/01/72	213.00	15	114.00	137.00	1.30	3	
	Baesa, Quezon City	- -									
QCT-2192	PACIFIC ENGINEERING #1	- -		/ /62	213.00	20	36.00	41.00	2.50	8	
	Baesa, Novaliches, Quezon City	- -									
QCT-2193	PACIFIC ENGINEERING #2	- -	Cyclone	/ /78	213.00	15	42.00	115.00	1.30	8	
	Baesa, Quezon City	- -									
QCT-2194	MRS. REMEDIOS SUANICO	- -	Lopez	/ /72	183.00	15	54.00	87.00	5.50	1	
	Everwealth Compound, Baesa, Q.C.	- -									
QCT-2195	St. Vincent Seminary	- -		/ /79	243.90	15	76.21		0.90	2	
	Tandang Sora, Quezon City	- -									
QCT-2196	Iglesia Ni Kristo	- -		/ /					0.90	2	
	Tandang Sora, Quezon City	- -									
QCT-2197	VENZON ENTERPRISES	- -	Lopez	/ /69	100.00	10	42.60		1.90	8	
	Baesa, Quezon City	- -									
QCT-2198	GIPFEL	- -		/ /78	305.00				11.00	8	
	Howmart Road, Baesa, Quezon City	- -									
QCT-2199	CENTURY CANNING #1	- -		/ /	107.00				1.90	8	
	Baesa, Quezon City	- -									
QCT-2200	CENTURY CANNING #2	- -		/ /	107.00				6.50	8	
	Baesa, Quezon City	- -									
QCT-2201	CENTURY CANNING #3	- -		/ /	107.00				6.00	8	
	Baesa,.Quezon City	- -									
QCT-2202	PHILIPPINE BED FACTORY	- -	Shamrock	03/01/73	397.00	15			6.00	8	
	Quirino Highway, Novaliches, Q.C.	- -									
QCT-2203	N.B. SANTOS ENGINEERING	- -	Lopez	/ /69	122.00		55.00		0.80	3	
	Balumbato, Quezon City	- -									
QCT-2204	Quality Cans	- -		/ /	106.70				10.00	8	
	Quezon City	- -									
QCT-2205	Quality Cans	- -		/ /	243.90				10.00	8	
	Quezon City	- -									
QCT-2206	Pascual General Hospital	- -		/ /					4.60	2	
	Quezon City	- -									
QCT-2207	Producer's Packing	- -		/ /					3.50	8	
	Quezon City	- -									

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QCT-2208	LP Marine	- -		/ /65					3.50	9	
	Quezon City	- -									
QCT-2209	EASTERN SCOTT #1	- -	J.B. Hoover	/ /	229.00	15				8	3
	Quezon City	- -									
QCT-2210	EASTERN SCOTT #2	- -	J.B. Hoover	/ /67	244.00	15				8	3
	Quirino Highway, Baesa, Quezon City	- -									
QCT-2211	EASTERN SCOTT #3	- -	J.B. Hoover	/ /	183.00	15				8	3
	Baesa, Quezon City	- -									
QCT-2212	EASTERN SCOTT #4	- -	J.B. Hoover	/ /	308.00	20	133.00	135.00	12.60	8	
	Baesa, Quezon City	- -									
QCT-2213	Francisco School	- -		/ /					0.90	2	
	Quezon City	- -									
QCT-2214	Delgado Brothers	- -		/ /	246.95				9.20	3	
	Quezon City	- -									
QCT-2215	Capitol Steel	- -		/ /					6.00	8	
	Quezon City	- -									
QCT-2216	KOLMANN #2	- -		/ /	61.00					5	3
	Quirino Highway, Quezon City	- -									
QCT-2217	MARSTEEL CORPORATION #1	- -	Shamrock	/ /	244.00	20	108.00	118.00	1.70	8	
	Tandang Sora, Quezon City	- -									
QCT-2218	MARSTEEL CORPORATION #2	- -	Shamrock	05/01/76	457.00				0.50	8	
	Quirino Hi-way, Tandang Sora, Q.C.	- -									
QCT-2219	PETROPHIL	- -	Lopez	/ /65	122.00		17.00		0.50	8	
	Tandang Sora, Quezon City	- -									
QCT-2220	Manila Paper Mills	- -		/ /					20.00	7	
	Quezon City	- -									
QCT-2221	GSIS VILLAGE #1	- -		/ /66	243.00		55.00	70.00	20.00	1	
	Bahay Toro, Quezon City	- -									
QCT-2222	GSIS VILLAGE #2	- -		/ /67	244.00		62.50	71.00	27.00	1	
	Bahay Toro, Quezon City	- -									
QCT-2223	GSIS VILLAGE #3	- -	Shamrock	12/01/67	244.00		18.00	91.00	25.00	1	
	GSIS Village, Quezon City	- -									
QCT-2224	MANILA PAPER MILLS #1	- -	J.B. Hoover	/ /63	229.00	35	38.00	106.00	25.20	7	
	Tandang Sora, Quezon City	- -									
QCT-2225	MANILA PAPER MILLS #2	- -	J.B. Hoover	/ /63	274.00	38		67.00	31.00	7	3
	Tandang Sora, Quezon City	- -									
QCT-2226	MANILA PAPER MILLS #3	- -	J.B. Hoover	/ /61	259.00	35	85.00	103.00	25.20	7	
	Tandang Sora, Quezon City	- -									
QCT-2227	MANILA PAPER MILLS #4	- -	J.B. Hoover	/ /63	259.00	40	76.00	27.00		7	2
	Tandang Sora, Quezon City	- -									
QCT-2228	MANILA PAPER MILLS #5	- -	J.B. Hoover	/ /63	253.00	40			25.00	7	
	Tandang Sora, Quezon City	- -									
QCT-2229	MANILA PAPER MILLS #6	- -	J.B. Hoover	/ /60	259.00	38		65.00	47.00	7	3
	Tandang Sora, Quezon City	- -									
QCT-2230	MANILA PAPER MILLS #7	- -	J.B. Hoover	/ /65	305.00	50	76.00	133.00	17.50	7	
	Tandang Sora, Quezon City	- -									
QCT-2231	MANILA PAPER MILLS #8	- -	J.B. Hoover	/ /70	305.00	45	19.00	92.00	18.90	7	
	Tandang Sora, Quezon City	- -									

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QCT-2232	MANILA PAPER MILLS #9	- -	Shamrock	/ /65	305.00		20.00	93.00	25.00	7	
	Tandang Sora, Quezon City	- -									
QCT-2233	MANILA PAPER MILLS #10	- -	Shamrock	/ /70	213.00	35	76.00	132.00	15.00	7	
	Tandang Sora, Quezon City	- -									
QCT-2234	Manila Paper Mills	- -		/ /					20.00	7	
	Quezon City	- -									
QCT-2235	Manila Paper Mills	- -		/ /					17.50	7	
	Quezon City	- -									
QCT-2236	Manila Paper Mills	- -		/ /					20.00	7	
	Quezon City	- -									
QCT-2237	Manila Paper Mills	- -		/ /					17.50	7	
	Quezon City	- -									
QCT-2238	Flores Construction	- -		/ /					4.60	1	
	Quezon City	- -									
QCT-2239	RADIO VERITAS	- -		/ /76	173.00		36.00		0.50	3	3
	Fairview Park Subdivision, Q.C.	- -									
QCT-2240	BF HOMES #1	- -	Pyramid	11/13/71	244.00	15	17.00	36.00	22.60	1	
	Diliman, Quezon City	- -									
QCT-2241	BF HOMES #2	- -	Pyramid	/ /74	305.00	20	27.00	41.00	9.90	1	
	Dona Romana Subd., Diliman, Q.C.	- -									
QCT-2242	B.F. Homes	- -		/ /					11.10	1	
	Quezon City	- -									
QCT-2243	GAO	- -		/ /65	275.00		33.00	38.00	13.00	1	
	Commonwealth Avenue, Quezon City	- -									
QCT-2244	GAO/COA	- -		/ /					10.20	1	
	Commonwealth Avenue, Quezon City	- -									
QCT-2245	GAO/COA	- -		/ /					11.10	1	
	Commonwealth Avenue, Quezon City	- -									
QCT-2246	Filipinas Investment	- -		/ /	182.92				11.10	1	
	Quezon City	- -									
QCT-2247	FILIPINAS INVESTMENT #3	- -	Shamrock	/ /79	213.40				10.20	1	
	Commonwealth Ave., Q.C.	- -									
QCT-2248	DON ENRIQUE HEIGHTS	- -	PIWDC	06/24/78	182.90	25	18.59	31.79	25.95	1	
	Commonwealth Ave., Quezon City	- -									
QCT-2249	NORTH FAIRVIEW SUBDIVISION #1	- -	Condrill	/ /76	259.08		41.55	55.47	13.85	1	
	North Fairview Subd., Phase I	- -									
QCT-2250	NORTH FAIRVIEW SUBDIVISION #2	- -	Condrill	07/27/75	304.80		16.16	40.84	27.53	1	
	North Fairview Park Subd., Q.C.	- -									
QCT-2251	NORTH FAIRVIEW SUBDIVISION #3	- -	Condrill	/ /75	304.80		3.75	34.05	33.25	1	
	Fairview Park, Capitol Site, Q.C.	- -									
QCT-2252	TERESA HEIGHTS SUBDIVISION	- -	B.R. Dizon	/ /69	213.36		27.43	48.76	3.46	1	
	Novaliches, Quezon City	- -									
QCT-2253	J. CRUZ SUBDIVISION	- -		/ /			25.79		2.70	1	
	Novaliches, Quezon City	- -									
QCT-2254	A.A. JALOUSIE	- -		/ /					2.00	1	
	Binugsuk, Novaliches, Quezon City	- -									
QCT-2255	International Steel Mfg. Corp.	- -		/ /					1.50	8	
	Quezon City	- -									

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OCT-2256	LIBERTY FARM	- -		/ /					3.50	8	
	Binugsuk, Novaliches, Quezon City	- -									
OCT-2257	GREENFIELD SUBD.	- -		/ /					11.10	1	
	Sta. Monica,Novaliches, Quezon City	- -									
OCT-2258	COLUMBIA TEXTILE #1	- -		/ /					10.00	7	
	Sta. Monica, Novaliches, Quezon City	- -									
OCT-2259	COLUMBIA TEXTILE #2	- -		/ /					10.50	7	
	Sta. Monica, Novaliches, Quezon City	- -									
OCT-2260	COLUMBIA TEXTILE #3	- -		/ /					10.00	7	
	Sta. Monica, Novaliches, Quezon City	- -									
OCT-2261	VILLAVERDE SUBD. #1	- -	Lopez	/ /65	152.40		9.75		10.20	1	
	Novaliches, Quezon City	- -									
OCT-2262	VILLAVERDE SUBD. #2	- -	Lopez	/ /69	182.88		22.86		11.10	1	
	Novaliches, Quezon City	- -									
OCT-2263	PASCUAL LINER	- -		/ /					7.40	8	
	Novaliches, Quezon City	- -									
OCT-2264	MABUHAY FEEDS #1	- -		/ /						8	
	Novaliches, Quezon City	- -									
OCT-2265	MABUHAY FEEDS #2	- -		/ /	61.00				5.50	8	
	Novaliches, Quezon City	- -									
OCT-2266	FILIPINAS PAPER SALES	- -		/ /					6.00	3	
	Novaliches, Quezon City	- -									
OCT-2267	ROYAL PORCELAIN	- -		/ /					4.00	8	
	Novaliches, Quezon City	- -									
OCT-2268	DAYTONA RUBBER CORP.	- -	Lopez	09/30/77	152.40		22.86		12.00	6	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2269	HOLY CROSS MEMORIAL PARK #1	- -		/ /					10.10	3	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2270	HOLY CROSS MEMORIAL PARK #2	14- 42- 4		/ /					11.10	1	
	San Bartolome, Novaliches, Q.C.	121- 1- 39									
OCT-2271	KINGSPOINT SUBD.	- -		/ /					11.10	1	
	Novaliches, Q.C.	- -									
OCT-2272	PHIL. TOBACCO CORP.	- -		/ /					6.50	8	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2273	GALAXY STEEL #1	- -		/ /	91.46	10	76.21	91.46		8	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2274	GALAXY STEEL #2	- -		/ /	121.95				7.50	8	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2275	SAINT FRANCIS SEMINARY	- -		/ /	182.88		30.17	31.69	3.15	2	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2276	PAN ASIAN MFG. CORP.	- -		/ /	182.92				7.50	8	
	Quezon City	- -									
OCT-2277	ASIAN PACKAGING CORPORATION	- -	Lopez	03/01/77	152.40	15	30.48		5.50	8	
	Atlas Road, San Bartolome, Q.C.	- -									
OCT-2278	ALLIED METALS	- -		/ /					7.00	8	
	Talipapa, Novaliches, Q.C.	- -									
OCT-2279	RUBBER WORLD PHIL. INC. #1	- -	PIWDC	02/18/75	365.76	40	12.19	30.48	31.50	6	
	Quirino Hiwey, Quezon City	- -									

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QCT-2280	RUBBERWORLD #2	- -		/ /	304.80	25	106.68	118.70	5.67	6	
	Quirino District, Novaliches, Q.C.	- -									
QCT-2281	SHAMROCK #1	- -		/ /						3	
	Bagbag, Novaliches, Q.C.	- -									
QCT-2282	SHAMROCK #2	- -		/ /	243.90	10	85.36	106.70	3.47	3	
	Bagbag, Novaliches, Q.C.	- -									
QCT-2283	GLORIA I SUBD.	- -		/ /					4.00	1	
	Tandang Sora, Quezon City	- -									
QCT-2284	GLORIA II SUBD.	- -		/ /					7.40	1	
	Tandang Sora, Quezon City	- -									
QCT-2285	GLORIA III SUBD.	- -		/ /					7.40	1	
	Tandang Sora, Quezon City	- -									
QCT-2286	GLORIA IV SUBD.	- -		/ /						1	2
	Tandang Sora, Quezon City	- -									
QCT-2287	HIMLAYANG PILIPINO #1	- -	Pyramid	08/01/69	305.70	25	21.00	85.34	37.80	1	
	Tandang Sora, Quezon City	- -									
QCT-2288	Himlayang Pilipino	- -		/ /74	243.84	15	37.50		13.80	3	
	Tandang Sora, Quezon City	- -									
QCT-2289	HIMLAYANG FILIPINO #2	- -		/ /	76.22	10	22.86		1.85	2	
	Tandang Sora, Quezon City	- -									
QCT-2290	PASONG TAMO SCHOOL #1	- -		/ /						2	3
	Tandang Sora, Quezon City	- -									
QCT-2291	PASONG TAMO SCHOOL #2	- -		/ /						2	3
	Tandang Sora, Quezon City	- -									
QCT-2292	CARMEL SUBDIVISION	- -	Lopez	11/17/67	76.92		27.44		11.10	1	
	Carmel Subdivision, Novaliches, Q.C.	- -									
QCT-2293	Hitachi Union	- -		/ /					13.50	8	
	Quezon City	- -									
QCT-2294		- -		/ /					0.90	1	
	Tandang Sora Market, Quezon City	- -									
QCT-2295	Dominic Subdivision	- -		/ /					0.90	1	
	Quezon City	- -									
QCT-2296	Rosalia Compound	- -		/ /						1	
	Quezon City	- -									
QCT-2297	Teresa Village	- -		/ /					0.90	1	
	Quezon City	- -									
QCT-2298	RELIANCE PACKING CORP.	- -		/ /					6.00	8	
	Quirino Highway, Balintawak, Q.C.	- -									
QCT-2299	ESSO	- -		/ /					0.90	8	
	Quirino Highway, Balintawak, Q.C.	- -									
QCT-2300	PACIFIC MILLS #1	- -		/ /					6.50	8	
	A. Bonifacio, Balintawak, Q.C.	- -									
QCT-2301	PACIFIC MILLS #2	- -		/ /					6.50	8	
	A. Bonifacio, Balintawak, Q.C.	- -									
QCT-2302	TIMES PAINT	- -		/ /					7.00	8	
	A. Bonifacio, Balintawak, Q.C.	- -									
QCT-2303	GOODYEAR TEXTILE	- -		/ /					10.00	7	
	A. Bonifacio, Balintawak, Q.C.	- -									

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QCT-2304	HENRY'S LABORATORY	- -		/ /					0.50	5	
	Ville Socorro Subd., Balara, Q.C.	- -									
QCT-2305	ISLAND METAL	- -		/ /					6.00	8	
	Balara, Quezon City	- -									
QCT-2306	COLUMBIA	- -	PIONEER	/ /	182.92	20	60.97		7.50	3	
	Balara, Quezon City	- -									
QCT-2307	MARECO IND.	- -		/ /					4.00	8	3
	Del Monte Ave., SFDM, Quezon City	- -									
QCT-2308	ABS-CBN #2	- -		/ /						3	2
	Bohol Ave., Quezon City	- -									
QCT-2309	CENTRAL BANK OF THE PHIL.	- -		/ /					25.00	3	
	East Ave., Quezon City	- -									
QCT-2310	QUEZON INSTITUTE #1	- -		/ /		15				2	
	Espana Ext., Quezon City	- -									
QCT-2311	QUEZON INSTITUTE #2	- -		/ /		15				2	
	Espana Ext., Quezon City	- -									
QCT-2312	QUEZON INSTITUTE #3	- -		/ /		15				2	3
	Espana Ext., Quezon City	- -									
QCT-2313	JORDAN PLAINS	- -		/ /		15			11.10	1	
	Novaliches, Quezon City	- -									
QCT-2314	DR. R. PAGTALUNAN	- -	Shamrock	/ /79	183.00	15	41.00	69.00	3.80	3	
	Tandang Sora, Quezon City	- -									
QCT-2315	HOBART SUBDIVISION	- -		/ /	184.00	15			4.60	1	
	Republic Ave., Quezon City	- -									
QCT-2316	MARIES VILLAGE	- -		12/20/79	122.00	15	29.00	54.00	3.00	1	
	Tandang Sora, Quezon City	- -									
QCT-2317	V. LUNA HOSPITAL #2	- -		/ /					12.00	2	
	V. Luna, Quezon City	- -									
QCT-2318	NORTH FAIRVIEW #5	- -		/ /					13.80	1	3
	North Fairview, Quezon City	- -									
QCT-2319	NORTH FAIRVIEW (PHASE 6)	- -		/ /						1	3
	North Fairview, Quezon City	- -									
QCT-2320	NORTH FAIRVIEW (PHASE 7)	- -		/ /						1	3
	North Fairview, Quezon City	- -									
QCT-2321	COMMONWEALTH HEIGHTS	- -		/ /					7.40	1	
	Commonwealth, Quezon City	- -									
QCT-2322	VILLAMAR BLDG.	- -		/ /					1.00	2	
	Sta. Mesa Heights, Quezon City	- -									
QCT-2323	STA. TERESITA COLLEGE	- -		/ /					2.00	2	3
	Sta. Mesa Heights, Quezon City	- -									
QCT-2324	ST. ANDREWS SEMINARY	- -		/ /					6.50	2	
	E. Rodriguez Sr. Ave., Q.C.	- -									
QCT-2325	STA. TERESITA CONVENT	- -		/ /					0.90	2	
	Sta. Mesa Heights, Quezon City	- -									
QCT-2326	SHOEMART	- -		/ /					10.00	3	
	Cubao, Quezon City	- -									
QCT-2327	FIESTA CARNAVAL	- -		/ /					11.00	1	
	Cubao, Quezon City	- -									

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OCT-2328	RUSTAN #1	- -		/ /74	243.84	20			12.00	3	
	Cubao, Quezon City	- -									
OCT-2329	RUSTAN #2	- -	ORIGINAL ENG'G.	10/01/79	304.80	20	51.80	70.10	5.26	3	
	Cubao, Quezon City	- -									
OCT-2330	SIENNA COLLEGE	- -		/ /					2.00	2	
	La Loma, Quezon City	- -									
OCT-2331	DAMAR VILLAGE	- -		/ /					6.50	1	
	La Loma, Quezon City	- -									
OCT-2332	ST. PAUL COLLEGE	- -		/ /					8.00	2	
	Aurora Blvd., Quezon City	- -									
OCT-2333	FAR EASTERN INDUSTRIES	14- 40- 49		/ /79					8.50	8	
	Tandang Sora Ave., Quezon City	121- 1- 10									
OCT-2334	GENTEX #2	- -		/ /					10.50	7	
	Talampas, Quezon City	- -									
OCT-2335	GENTEX #3	- -		/ /					15.00	7	
	Talampas, Quezon City	- -									
OCT-2336	GENTEX #4	- -		/ /					15.00	7	
	Talampas, Quezon City	- -									
OCT-2337	S & T ENTERPRISES	- -		/ /					14.00	7	
	E. Rodriguez Ave., Quezon City	- -									
OCT-2338	MONARK	- -		/ /					6.50	1	
	E. Rodriguez Ave., Quezon City	- -									
OCT-2339	ELECTRONIC POWER SYSTEM CORP.	- -		/ /					5.50	8	
	Quezon City	- -									
OCT-2340	RAMPOOS	- -		/ /					4.50	8	
	E. Rodriguez Ave., Quezon City	- -									
OCT-2341	Corinthian Gardens	- -		/ /					13.80	1	
	Quezon City	- -									
OCT-2342	Capitol Park Homes	- -		/ /	91.00				11.10	1	
	Quezon City	- -									
OCT-2343	CAPITOL GOLF CLUB #3	- -		/ /					12.00	2	
	Capitol Hills, Quezon City	- -									
OCT-2344	CAPITOL PARK SUBD.	- -		/ /					7.40	1	
	Quezon City	- -									
OCT-2345	CAPITOL HOMES	- -		/ /					11.10	1	
	Capitol Homes, Quezon City	- -									
OCT-2346	CAPITOL GOLF CLUB #2	- -		/ /					10.20	2	
	Capitol Hills, Quezon City	- -									
OCT-2347	FILINVEST II #1A	- -		/ /	137.00				7.40	1	3
	Constitutional Hills, Quezon City	- -									
OCT-2348	FILINVEST II #1	- -	Shamrock	04/01/80	122.00		27.00		9.40	1	
	Commonwealth Ave., Quezon City	- -									
OCT-2349	FILINVEST II #2	- -		/ /	122.00				10.00	1	
	Constitutional Hills, Quezon City	- -									
OCT-2350	MANILA SEEDLINGS	- -		/ /					10.00	3	
	Quezon Ave. cor. EDSA, Quezon City	- -									
OCT-2351	MANILA TRANSIT CORP.	- -		/ /	183.00				9.00	8	
	North Ave., Quezon City	- -									

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OCT-2352	LA VISTA #1	- -		/ /						1	
	Balara, Quezon City	- -									
OCT-2353	LA VISTA #2	- -		/ /						1	
	Balara, Quezon City	- -									
OCT-2354	MAPAYAPA #1	- -		/ /					11.10	1	
	Mapayapa St., Diliman, Q.C.	- -									
OCT-2355	MAPAYAPA #2	- -		/ /					0.90	1	
	Mapayapa St., Diliman, Q.C.	- -									
OCT-2356	MAPAYAPA #3	- -		/ /					0.90	1	
	Mapayapa St., Diliman, Q.C.	- -									
OCT-2357	PEERTONA VILLAGE	- -		/ /						1	3
	Quezon City	- -									
OCT-2358	MR. MUYOT	- -		/ /						1	
	Xavierville, Quezon City	- -									
OCT-2359	HURRICANE DRILL	- -		/ /						3	
	Xavierville, Quezon City	- -									
OCT-2360	INK CENTRAL VILLAGE	- -		/ /					1.00	1	
	St. Joseph St., Quezon City	- -									
OCT-2361	B. L. TRANSPORTATION	- -		/ /	274.00		28.00		7.00	2	
	East Ave., Quezon City	- -									
OCT-2362	CENTURY CONTAINER #4	- -		/ /61	243.90		152.00	162.92	12.60	8	
	Quezon City	- -									
OCT-2363	BONIFACIO SUBD.	- -		/ /						1	2
	Quezon City	- -									
OCT-2364	PROJECT 1	- -		/ /						1	3
	Quezon City	- -									
OCT-2365	ROAD 8, PROJECT 6	- -		/ /						1	3
	Road 8, Project 6, Q.C.	- -									
OCT-2366	PROJECT 7	- -		/ /	245.36					1	3
	Project 7, Q.C.	- -									
OCT-2367	PASMON TALA	- -		/ /	245.36				13.00	1	
	Pasmon Tala, Novaliches, Q.C.	- -									
OCT-2368	Limtuaco Company Inc.	- -		/ /79					0.90	5	
	Quezon City	- -									
OCT-2369	PROJECT 8 (19743)	- -		/ /58	214.88					1	3
	Project 8, Quezon City	- -									
OCT-2370	CELIA SUBD.	- -		/ /					1.00	1	
	Novaliches, Quezon City	- -									
OCT-2371	Richard Realty	- -		/ /					1.00	1	
	Quezon City	- -									
OCT-2372	Kings Point Subd.	- -		/ /		20			8.00	8	3
	Quezon City	- -									
OCT-2373	Rubberworld	- -		/ /	182.92				11.36	6	
	Quezon City	- -									
OCT-2374	Amigo Steel Fabricators	- -		/ /81	152.43		51.97			8	
	Quezon City	- -									
OCT-2375	Betonval Ready Concrete	- -		/ /75	137.19	25			3.47	3	
	Quezon City	- -									

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OCT-2376	Marian Laundry	- -		/ /69	160.06	15	91.46		16.60	3	
	Quezon City	- -									
OCT-2377	GALLERIA TOWNHOUSE	- -	KATWELL	01/19/83	244.00	20	49.70	127.44	5.31	1	
	14th St., New Manila, Q.C.	- -									
OCT-2378	NPC HOUSING PROJECT #1	14- 41- 22		09/13/83	304.00	35	70.20			1	
	Tandang Sora, Novaliches, Q.C.	121- 2- 56									
OCT-2379	SAN PEDRO SUBD. #7	- -		03/30/84	152.43	25	21.34			1	
	San Bartolome, Novaliches, Q.C.	- -									
OCT-2380	NPC HOUSING PROJECT	14- 41- 24		01/20/84	304.70	25	79.60	87.57	9.53	1	3
	Tandang Sora, Novaliches, Q.C.	121- 2- 38									
OCT-2381	HOBART III	14- 44- 06		03/10/84	182.00		12.20	25.20	6.94	1	
	Novaliches	121- 2- 46									
OCT-2382	HRDC WELL #1	- -		01/16/84	150.00	20	24.00	35.36	11.36	1	
	Fairview	- -									
OCT-2383	SOLMAC MARKETING, INC.	- -	PIWDC	/ /85	305.00		12.20	55.90	17.40	3	
	Bo. Kaybiga, Novaliches, Q.C.	- -									
OCT-2384	SACRED HEART VILLAGE	14- 44- 45	QUICKDRILL	06/18/85	152.00	20	12.00	48.00	5.05	1	
	Sacred Heart, Novaliches, Q.C.	121- 4- 16									
OCT-2385	SUREWAY BUILDERS & DEVELOPERS, INC.	14- 42- 34	Echevarria	02/04/85	228.60	20	16.77	37.32	7.21	1	
	Capitol District, Q.C.	121- 2- 52									
OCT-2386	Realty Investment Inc.	14- 44- 38		/ /85					5.00	1	1
	Sacred Heart Village, Novaliches	121- 3- 57									
OCT-2387	WATCH TOWER BIBLE & TRACT SOCIETY	14- 38- 38	PIWDC	/ /85			125.00	142.02	11.54	2	
	186 Roosevelt Ave., SFDM, Q.C.	121- 0- 59									
OCT-2388	NATIONAL HOUSING AUTHORITY	14- 42- 9		09/01/88	182.90	20	32.01	66.10	7.56	1	
	Bagbag, Capitol Site, Q.C.	121- 3- 23									
OCT-2389	NOVA HOMES, NOVALICHES	14- 44- 00	ORBIT WELLS	07/27/88	214.00	20	12.20	85.98	8.01	2	
	Novaliches, Q.C.	121- 2- 22									
OCT-2391	ST. FRANCIS SUBD.	14- 42- 40	Acoje	01/09/88	243.90	25	32.31	43.16	15.45	1	
	San Bartolome, Novaliches, Q.C.	121- 2- 40									
OCT-2392	Hillcrest Village	- -		/ /88			16.77	43.14	9.46	1	1
	Camarin, Novaliches, Q.C.	- -									
OCT-2393	Kalinisan Steam Laundry	- -		/ /88			99.39	103.90	7.25	3	1
	Bagumbayan, Libis, Q.C.	- -									
OCT-2394	TOBACCO RECYCLERS CORPORATION	- -	PIWDC	03/01/88	283.00	15	17.00	80.50	9.50	8	
	673 Quirino Hi-way, San Bartolome	- -									
OCT-2395	GOODYEAR STEEL PIPE CORPORATION	- -	PIWDC	03/01/88	305.00	25	56.40	170.67	4.62	8	
	128 Quirino Hi-way, Baesa, Q.C.	- -									
OCT-2396	Solid Builders	- -		/ /88						8	1
	Novaliches, Quezon City	- -									
OCT-2397	Palmera Homes, Inc.	- -	Hydro	/ /88						1	1
	Fairview, Quezon City	- -									
OCT-2398	Palmera Homes, Inc.	- -	Hydro	/ /89	305.00	25				1	1
	Fairview, Quezon City	- -									
OCT-2399	Palmera Homes, Inc.	- -	Hydro	/ /89	305.00	25				1	1
	Fairview, Quezon City	- -									
OCT-2400	SM Homes	- -	Hydro	/ /89						1	1
	Novaliches, Quezon City	- -									

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QCT-2401	Orion Properties Inc. Fairview, Quezon City	- - - -	Hydro	/ /90	305.00	20				1	1
QCT-2402	St. Luke's Medical Center E. Rodriguez, Quezon City	- - - -	Hydro	/ /90	366.00	20				3	1
QCT-2403	SANTE DEV. CORP. Golf Club Subd., Capitol Hills, Q.C.	14- 40- 20 121- 5- 11		/ /81						1	
QCT-2404	UP School of Economics Diliman, Quezon City	- - - -	Hydro	/ /81	305.00	20				2	3
QCT-2405	SACRED HEART NOVITIATE Novaliches, Q.C.	- - - -	PIWDC	12/16/81	213.00	20	15.70	86.86	21.83	1	
QCT-2406	AYALA INVESTMENT & DEV. CORP. Hemady Ave., Quezon City	14- 37- 39 121- 1- 36		/ /82						1	
QCT-2407	COSMOS BOTTLING CORPORATION Bo. Libis, Quezon City	- - - -	PIWDC	04/01/83	244.00	25	64.30	68.90	17.35	4	
QCT-2408	GROUP DEVELOPERS, INC. P.E.U. Compound, Mapayapa Village	- - - -	PIWDC	11/21/83	122.00	7.5	55.50	68.50	10.50	1	
QCT-2409	BAGBAG, NOVALICHES Bagbag, Novaliches, Q.C.	14- 43- 121- 2- 18	PYRAMID	04/27/82	121.92	15	12.20	39.70	3.60	1	
QCT-2410	GILMORE TOWNHOMES	14- 36- 37 121- 2- 16	PIWDC	10/19/82	304.80	20	15.84	65.86	15.30	1	
QCT-2411	EMBASSY TERRACE WELL #1	- - - -		10/15/83	189.20	20	48.78			1	
QCT-2412	Jordan Estate Corp. Payatas, Fairview, Q.C.	14- 42- 56 121- 4- 40		/ /					3.00	1	
QCT-2413	Manila Memorial Park Holy Cross Memorial, Novaliches	14- 42- 20 121- 1- 19		/ /					0.50	1	
QCT-2414	Sinafil Realty & Dev. Corp. Mahalan, Village, Bagbag, Novaliches	14- 41- 39 121- 2- 5		/ /					7.50	1	
QCT-2415	National Housing Authority Bagbag, Capitol Site, Q.C.	14- 42- 9 121- 3- 23		/ /					11.02	1	
QCT-2416	MERCURY DRUG CORPORATION Bo. Libis, Quezon City	14- 36- 49 121- 4- 34	ARCHIPELAGO	/ /80						1	
QCT-2417	Sunvar Realty White Plains, Quezon City	14- 36- 40 121- 4-		/ /					1.20	1	
QCT-2418	Lagro Development Homesite Project, Lagro, Q.C.	14- 44- 10 121- 3- 55		/ /					8.00	1	
QCT-2419	Lagro Development Homesite Project, Lagro, Q.C.	14- 43- 50 121- 3- 45		/ /					10.00	1	
QCT-2420	Lagro Development Homesite Project, Lagro, Q.C.	14- 43- 47 121- 4- 9		/ /					9.30	1	
QCT-2421	Regalado & Co. North Fairview, Q.C.	14- 42- 45 121- 3- 42		/ /					11.40	1	
QCT-2422	Regalado & Co. North Fairview, Q.C.	14- 42- 7 121- 3- 49		/ /					9.30	1	
QCT-2423	Regalado & Co. North Fairview, Q.C.	14- 42- 41 121- 4- 19		/ /					9.30	1	
QCT-2424	Chua Tee & Co. Capra, Novaliches, Q.C.	14- 43- 7 121- 1- 26		/ /					0.35	1	

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OCT-2425	Ayala Corp. Santolan, Q.C.	14- 46- 37 121- 2- 18		/ /					3.00	1	
OCT-2426	Ultima Development Bahay Toro, Tandang Sora, Q.C.	14- 40- 6 121- 2- 5		/ /					0.80	1	
OCT-2427	Home System Dubao, Q.C.	14- 37- 11 121- 3- 26		/ /					0.10	1	
OCT-2429	Circa Nila Tandang Sora, Q.C.	14- 40- 36 121- 3- 9		/ /					2.10	1	
OCT-2430	Homeland Inc. San Bartolome, Novaliches, Q.C.	14- 42- 17 121- 3- 5		/ /					0.64	1	
OCT-2431	Filinvest INc. Filinvest II, Q.C.	14- 41- 49 121- 5- 56		/ /					5.00	1	
OCT-2432	F E U Pasong Tamo, Q.C.	14- 41- 12 121- 3- 26		/ /					3.50	1	
OCT-2433	Labrador Development San Bartolome, Novaliches, Q.C.	14- 42- 31 121- 2- 24		/ /					3.00	1	
OCT-2434	Oakland Development Old Balara, Diliman, Q.C.	14- 40- 47 121- 4- 21		/ /					0.70	1	
OCT-2435	F. Ardent Development Tandang Sora, Q.C.	14- 41- 54 121- 3- 6		/ /					0.72	1	
OCT-2436	Prents Housing Maligaya Park, Novaliches, Q.C.	14- 44- 24 121- 3- 21		/ /					0.35	1	
OCT-2437	Prents Housing Maligaya Park, Novaliches, Q.C.	14- 44- 25 121- 3- 22		/ /					1.35	1	
OCT-2438	Mecalalad Realty Dev. Corp. Capitol District, Q.C.	14- 40- 14 121- 3- 52		/ /					1.80	1	
OCT-2439	Labrador Development Corp. Bagbag, Novaliches, Q.C.	14- 42- 25 121- 1- 3		/ /					3.50	1	
OCT-2440	Emiliano Lizares Commonwealth Ave., Q.C.	14- 40- 31 121- 4- 28		/ /					0.30	1	
OCT-2441	Emiliano Lizares Commonwealth Ave., Q.C.	14- 40- 33 121- 4- 40		/ /					0.30	1	
OCT-2442	Novaliches Land Dev. Corp. San Agustin, Novaliches, Q.C.	14- 44- 0 121- 2- 22		/ /					2.10	1	
OCT-2443	Corinthian Gardens Querubin Circle St., Q.C.	14- 35- 46 121- 3- 59		/ /					7.88	1	1
OCT-2444	Corinthian Gardens Madrigal St., Q.C.	14- 35- 50 121- 3- 43		/ /					6.56	1	1
OCT-2445	Corinthian Gardens Zambales St., Q.C.	14- 35- 40 121- 3- 45		/ /					4.42	1	1
OCT-2446	Corinthian Gardens Imao St., Q.C.	14- 35- 57 121- 3- 42		/ /					9.15	1	1
OCT-2447	Corinthian Gardens Imao St., Q.C.	14- 36- 9 121- 3- 59		/ /					19.37	1	1
OCT-2448	Samsaquita Subdivision Camarin, Novaliches,Q.C.	14- 45- 46 121- 2- 11		/ /					10.50	1	1
OCT-2449	Estrella Ice Plant & Cold Storage 106 Roosevelt Ave.,Q.C.	14- 38- 17 121- 1- 2		/ /					1.88	8	1

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QCT-2450	D & L Industries	14- 36- 22		/ /					7.60	5	1
	65 Industria Ave., Bagumbayan,Q.C.	121- 5- 11									
QCT-2451	Filipinas Systems	14- 36- 18		/ /					1.72	3	1
	69 Industria Ave., Bagumbayan,Q.C.	121- 5- 12									
QCT-2452	MANDiesel Supply	14- 41- 26		/ /					3.20	1	1
	Quirino Hi-way, Baesa, Q.C.	121- 1- 29									
QCT-2453	Holland Pacific Paper Inc.	14- 40- 22		/ /						7	1
	Quirino Hi-way, Baesa, Q.C.	121- 0- 40									
QCT-2454	GENTEX MILLS. INC.	14- 36- 44		/ /					18.00	7	
	Libis, Quezon City	121- 4- 47									
QCT-2455	New Haven Dev. Corp.	14- 43- 53		/ /					2.50	1	1
	Bauang St., Novaliches, Q.C.	121- 0- 57									
QCT-2456	Hobart Realty	14- 44- 16		/ /					1.89	1	1
	Luke St., Hobart II, Zabarte, Nov.	121- 2- 59									
QCT-2457	Zabarte Subdivision	14- 44- 9		/ /					2.84	1	1
	Woodpecker St., Novaliches	121- 2- 59									
QCT-2458	Monico L. Imperial	14- 40- 39		/ /					8.33	1	1
	Tandang Sora Bayan Palengke	121- 2- 30									
QCT-2459	D O T C	14- 36- 7		/ /					2.21	3	1
	Pantranco, Quezon Blvd., Q.C.	121- 1- 5									
QCT-2460	Progressive Development Corp.	14- 37- 16		/ /					2.30	3	1
	Gen. McArthur Ave., Araneta Center	121- 3- 8									
QCT-2461	P W W C	14- 41- 28		/ /					8.82	1	1
	Ortega/Briones Sts., B.F. Homes	121- 4- 30									
QCT-2462	P W W C	14- 41- 34		/ /					17.95	1	1
	Delgado St., BF Homes	121- 4- 50									
QCT-2463	CBE Homeowners Assn. Inc.	14- 41- 23		/ /					11.57	1	1
	Dinar St., Capitol Site	121- 3- 43									
QCT-2464	Sacred Heart Novitiate	14- 44- 47		/ /					1.56	1	1
	Quirino Hi-way, Novaliches	121- 4- 10									
QCT-2465	REALTY INVESTMENT INC	14- 44- 22		/ /					5.05	1	
	Sacred Heart Village, Novaliches	121- 4- 14									
QCT-2466	Realty Investment Inc.	14- 44- 45		/ /81					2.63	1	1
	Sacred Heart Village, Novaliches	121- 4- 6									
QCT-2467	Iglesia Ni Kristo	14- 40- 2		/ /					13.88	1	1
	NEC Milton Hills Subd., Diliman	121- 3- 6									
QCT-2468	Iglesia Ni Kristo	14- 40- 6		/ /					2.84	1	1
	New Era School, Tandang Sora	121- 3- 23									
QCT-2469	Jose F. Desiderio & Co.	14- 42- 26		/ /					1.44	1	1
	Don Macario St., Dna. Carmen Subd.	121- 4- 54									
QCT-2470	Jose F. Desiderio & Co.	14- 42- 7		/ /					1.44	1	1
	Dna. Carmen St., Don Jose Subd.	121- 4- 45									
QCT-2471	Filinvest Homes I	14- 41- 0		/ /					7.57	1	1
	Mt. Ranier St., Capitol District	121- 5- 24									
QCT-2472	Filinvest Homes I	14- 40- 55		/ /					1.32	1	1
	Mt. Ranier/McKinley Sts., Capitol	121- 5- 16									
QCT-2473	First Unity Textile Mills	14- 40- 6		/ /					3.59	7	1
	165 Quirino Hi-way, Baesa, Q.C.	121- 0- 24									

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QCT-2474	First Unity Textile Mills	14- 40- 5		/ /					2.96	7	1
	165 Quirino Hi-way, Baesa, Q.C.	121- 0- 24									
QCT-2475	Nu Crest	14- 36- 17		/ /					2.90	8	1
	16 Industria St., Bagumbayan, Q.C.	121- 5- 3									
QCT-2476	CLARET SEMINARY	14- 40- 4		/ /					0.30	2	1
	Tandang Sora, Quezon City	121- 3- 30									
QCT-2477	Hobart I Subd.	14- 41- 34		/ /80					6.57	1	1
	Camille/Lucille Sts., Fairview, Q.C.	121- 4- 33									
QCT-2478	Libra Agro Ind'l Dev. Corp.	14- 36- 50		/ /					19.21	3	1
	150 E. Rodriguez Ave., Libis	121- 4- 40									
QCT-2479		- -		/ /67	60.98		38.72	39.66	0.44	1	
	Bago Bantay, Novaliches	- -									
QCT-2480		- -		/ /51	152.44		10.37	12.21	0.57	1	
	Bago Bantay, Novaliches	- -									
QCT-2481		- -		/ /53	63.11		3.05	3.35	0.95	1	
	Bago Bantay, Novaliches	- -									
QCT-2482		- -		/ /57	60.98		16.77	30.47	0.63	1	
	Bago Bantay, Novaliches	- -									
QCT-2483		- -		/ /83	167.68		48.78			1	
	Bahy Toro, Tandang Sora	- -									
QCT-2484	BO. BALINGASA, BALINTAWAK	- -		/ /57	54.87		10.76	16.85	0.30	1	
		- -									
QCT-2485	F. Airing & Redrying Corp.	- -		/ /						8	
	Balintawak, Novaliches	- -									
QCT-2486	Pacific Mills, Inc.	- -		/ /	182.93		152.44			7	
	Balintawak, Novaliches	- -									
QCT-2487	Pag-ibig Sa Nayon	- -		/ /			15.24			1	
	Balintawak, Novaliches	- -									
QCT-2488	Phil. Fabricators	- -		/ /78	243.00		146.00		5.50	8	
	Balintawak, Novaliches	- -									
QCT-2489		- -		/ /			10.67			1	
	Balingasa, Balintawak	- -									
QCT-2490		- -		/ /67	64.02		12.19	13.71	0.32	1	
	Balong Bato, Balintawak	- -									
QCT-2491	BO. DULO, BALINTAWAK	- -		/ /	56.40		18.30	24.42	0.63	1	
		- -									
QCT-2492		- -		/ /56			12.19	66.97	1.26	1	
	Balong Bato, Balintawak	- -									
QCT-2493	BO. BANLAT	- -		07/19/56	70.12		6.71	8.56	0.63	1	
	Bo. Banlat, Quezon City	- -									
QCT-2494	NIA VILLAGE WELL #1	14- 41- 27	NIA	/ /81	193.00					1	
	NIA Village, Banlat, Tandang Sora	121- 3- 4									
QCT-2495		- -		/ /68	100.61		30.49	50.32	6.94	1	
	Barangka, Novaliches	- -									
QCT-2496		- -		/ /55	121.95		16.50	18.58	0.50	1	
	Binogsok, Novaliches	- -									
QCT-2497	BLC-PAGASA II	- -		/ /79	243.80		102.00	130.64	6.30	1	
	Quezon City	- -									

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QCT-2498	Bureau of Vocational Rehabilitation	- -		/ /71			50.00	61.28	1.58	2	
	Quezon City	- -									
QCT-2499		- -		/ /60	53.40		21.30	22.20	0.63	1	
	Keingin, Quezon City	- -									
QCT-2500	AFP	- -		/ /	243.90		23.78			2	
	Camo Murphy, Quezon City	- -									
QCT-2501	AFP	- -		/ /60	54.90		34.15	61.58	12.62	2	
	Camo Murphy, Gate 5	- -									
QCT-2502	Capitol Park Homes	- -		/ /72	243.80		1.50	34.56	20.50	1	
	Quezon City	- -									
QCT-2503		14- 42- 39		/ /85			16.77	37.02	7.21	1	
	Capitol District, Q.C.	121- 2- 52									
QCT-2504	CAPITOL SITE	- -		/ /58	164.63		30.49	36.58	15.77	1	
		- -									
QCT-2505	Central Manufacturing Crop.	- -		/ /	335.37		36.59			8	
	Quezon City	- -									
QCT-2506	Century Park Chemicals	- -		/ /78	182.00		33.50	128.00	1.89	5	
	Quezon City	- -									
QCT-2507	Chemical Fiber	- -		/ /	152.40		18.30	55.56	5.03	7	
	Quezon City	- -									
QCT-2508	CHRIST THE KING SEMINARY	- -		/ /68	186.00		45.73			2	
	E. Rodriguez Ave., Q.C.	- -									
QCT-2509	CLC-PAGASA I	- -		/ /79	243.80				5.60	1	
	Quezon City	- -									
QCT-2510	College of Holy Spirit	- -		/ /79	304.80		19.80		10.40	2	
	Quezon City	- -									
QCT-2511	EMILIANO SOSA	- -		/ /76	76.20					1	
	Commonwealth Ave., Q.C.	- -									
QCT-2512		- -		/ /66	255.18					1	
	Congressional Road, Project 8	- -									
QCT-2513		14- 41- 58		/ /	200.00				6.37	1	
	Constitution Hill, Q.C.	121- 5- 22									
QCT-2514	CONSTITUTION HILL	14- 41- 45	KATWELL	02/06/78	240.80		20.10			1	
	Constitution Hill, Q.C.	125- 5- 35									
QCT-2515		- -		/ /79	306.00				12.30	1	
	Constitution Hill, Q.C.	- -									
QCT-2516		14- 42- 14		/ /	210.00		19.69		6.70	1	
	Constitution Hill, Q.C.	121- 5- 37									
QCT-2517		- -		/ /58	96.04		13.72		12.62	1	
	Constitution Hill, Q.C.	- -									
QCT-2518	CONSTITUTION HILL, ISP	- -	KATWELL	/ /						1	
	Constitution Hill, Q.C.	- -									
QCT-2519	Container Corp. of the Phils.	- -		/ /61	243.00		152.00		8.60	8	
	Quezon City	- -									
QCT-2520	THE ARISTOCRAT INC	14- 37- 20	REDHORSE	08/19/80	243.90		24.30		12.62	3	
	Cubao Commercial Center, Q.C.	121- 3- 1									
QCT-2521		- -		/ /50	457.30		20.70	27.48	0.95	1	
	Culiat, Quezon City	- -									

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QCT-2522		- -		/ /57	97.56		15.24	16.76	0.76	1	
	Culiat, Quezon City	- -									
QCT-2524	E. Factora	- -		/ /73			50.90	51.20	2.30	1	
	Quezon City	- -									
QCT-2525	Divine Word Seminary	- -		/ /	233.23		70.01			2	
	E. Rodriguez Ave., Quezon City	- -									
QCT-2527		14- 41- 52		/ /	305.00		21.70	35.46	13.88	1	
	Fairview, Quezon City	121- 3- 43									
QCT-2528	Villa Nova Subd.	14- 43- 31		/ /88	213.41		33.53	76.21	9.47	1	
	Gen. Luis St.	121- 1- 33									
QCT-2529		- -		/ /						1	
	Ext. Libis	- -									
QCT-2530	Genuino Ice Co.	- -		/ /	195.00		33.50		9.45	8	
	Quezon City	- -									
QCT-2531	GIRL SCOUT CAMP	- -		/ /56	93.59		5.49			2	
	Girl Scout Camp, San Bartolome, Q.C.	- -									
QCT-2532	GOODRICH 4, PUMP 3	- -	J.B. Hoover	/ /69			6.10			1	
	Quezon City	- -									
QCT-2533		- -		/ /79	289.53		51.83	82.47	12.68	2	
	Government Center, Constitution Hill	- -									
QCT-2534	G S P	- -		/ /56	94.59		2.13	7.59	4.42	2	
	San Bartolome, Novaliches	- -									
QCT-2536	BO. GULOD, NOVALICHES	- -		/ /57	70.10		6.40	9.14	1.30	1	
		- -									
QCT-2537	IBP COMPOUND	14- 41- 35	NIA	/ /	203.00		46.50		2.52	1	
	IBP Compound, Q.C.	121- 5- 31									
QCT-2538		- -		/ /						1	
	Mariano Avenue, Quezon City	- -									
QCT-2539	Jose Rodriguez Const.	- -		/ /78	303.60		76.20	122.02	2.52	1	
	Quezon City	- -									
QCT-2540	LA MESA SUBD	- -		/ /	149.39					1	
	Near Libis Creek	- -									
QCT-2541	LA MESA, NOVALICHES	- -		/ /57	93.60		42.70	47.27	1.26	1	
		- -									
QCT-2542	AFP	- -		/ /60	148.48		5.49	17.35	17.67	2	
	Camp Murphy, Libis	- -									
QCT-2543	Manila Paper Mills, Inc.	- -		/ /	243.90		45.73			7	
	Sangandaan, Quezon City	- -									
QCT-2544	Mansion Heights	- -		/ /	243.80		30.50		3.15	1	
	Quezon City	- -									
QCT-2545		- -		/ /	108.23		68.29			1	
	Maria Clara Street, Quezon City	- -									
QCT-2546	MERALCO SUB-STATION	- -		/ /65	232.00		33.50	56.00	0.90	3	
	Balintawak, Quezon City	- -									
QCT-2547	Mobil Oil Phils.	- -		/ /68	184.00		24.00	49.71	1.26	3	
	Quezon City	- -									
QCT-2548	MUNOZ MARKET	- -		/ /70	243.80		8.50	81.83	4.40	3	
	Roosevelt Ave., Quezon City	- -									

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QCT-2549		- -		/ /53	142.00		14.60	22.48	12.60	1	
	Murphy, Quezon City	- -									
QCT-2550		- -		/ /54	275.30		23.78	47.47	3.79	1	
	Murphy, Quezon City	- -									
QCT-2551		- -		/ /54	131.10		22.86	43.86	3.78	1	
	Murphy, Quezon City	- -									
QCT-2552		- -		/ /54	139.33		22.87	33.53	7.57	1	
	Murphy, Quezon City	- -									
QCT-2553		- -		/ /49	260.00		30.50	31.10	0.38	1	
	Murphy (MArket Site), Q.C.	- -									
QCT-2554		- -		/ /66	258.25		24.30	57.51	6.31	1	
	Murphy Gate 5, Q.C.	- -									
QCT-2555	National Rehabilitation Center	- -		/ /72	136.90					2	
	Murphy, Quezon City	- -									
QCT-2556	Palmera Homes	- -		/ /	304.90					1	
	North Fairview, Q.C.	- -									
QCT-2557		- -		/ /77	243.90		9.15			1	
	Novaliches, Quezon City	- -									
QCT-2558		- -		/ /	244.00		12.89			1	
	Novaliches, Quezon City	- -									
QCT-2559	CC Unson Co.	- -		/ /79	250.00		32.01	37.19	5.93	1	
	Novaliches, Quezon City	- -									
QCT-2560	FREEDOM TO BUILD, INC. (PSSPO)	- -	PIWDC	06/01/88	259.15		44.87	65.40	12.90	1	
	H. De La Costa II, Novaliches, Q.C.	- -									
QCT-2561		- -		/ /	152.40		60.98			1	
	San Bartolome, Novaliches, Q.C.	- -									
QCT-2562		- -		/ /88	182.93		80.79	117.07	1.26	1	
	Tandang Sora, Novaliches, Q.C.	- -									
QCT-2563		- -		/ /	365.85		30.49			1	
	328 Quirino Ave., Novaliches, Q.C.	- -									
QCT-2564		14- 41- 59		/ /			58.00		5.18	1	
	Bagbag, Novaliches, Q.C.	121- 1- 58									
QCT-2565	CC Unson Co.	- -		/ /	121.95					1	
	172 Gen. Luis St., Novaliches	- -									
QCT-2566		- -		/ /78	243.90		25.91	40.54	15.78	1	
	Novaliches, Quezon City	- -									
QCT-2567	Novaliches Subd.	- -		/ /56	60.98		10.67	15.17	1.26	1	
	Novaliches, Quezon City	- -									
QCT-2568		- -		/ /	91.46		12.80			1	
	Balong Bato, Novaliches, Q.C.	- -									
QCT-2569		- -		/ /	76.22		12.19		1.26	1	
	Balong Bato, Novaliches, Q.C.	- -									
QCT-2570		14- 43- 16		/ /76	120.00		42.00	17.67		1	
	Capri, Novaliches, Q.C.	121- 1- 12									
QCT-2571		- -		/ /	72.26		7.62			1	
	Sta. Monica, Novaliches, Quezon City	- -									
QCT-2572	OMI RETREAT HOUSE	- -	ADMACO INC.	10/09/78	244.00		39.65	54.90		1	
	FAIRVIEW, Q.C.	- -									

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QCT-2573	Oriental Corrugated Card	- -		/ /71	121.90		29.90	53.53	1.89	8	
	Novaliches, Quezon City	- -									
QCT-2574	PAG-IBIG SA NAYON	- -		/ /58	57.01		24.39	33.54	0.32	1	
	Balintawak, Quezon City	- -									
QCT-2575		- -		/ /56			21.34	28.94	0.63	1	
	Paliguan, Novaliches, Q.C.	- -									
QCT-2576	North Pantranco Express Inc.	- -		/ /	121.95		60.98			3	
	Novaliches, Quezon City	- -									
QCT-2584		- -		/ /60	216.50		4.90	25.29	14.50	1	
	Molave St., Project 3, Q.C.	- -									
QCT-2585		- -		/ /62	274.39		29.88		14.51	1	
	Project 7, Q.C.	- -									
QCT-2586	QUEZON CITY INCENARATOR PLANT	- -		/ /	213.40		44.21			1	
		- -									
QCT-2587	Quirino Elem. School	- -		/ /60	304.80					2	
	Project 3, Q.C.	- -									
QCT-2588	Roces High School	- -		/ /60	259.10		13.70	46.65	14.50	2	
	Roces Ave., Q.C.	- -									
QCT-2589		- -		/ /59	213.41		19.82	32.73	11.36	1	
	Roxas District, Q.C.	- -									
QCT-2590	Rustan	- -		/ /79	304.80		51.80		5.26	3	
	Araneta Center, Cubao, Q.C.	- -									
QCT-2591	Girl Scout Camp	- -		/ /	93.60		2.13			2	
	San Bartolome, Novaliches, Q.C.	- -									
QCT-2593	San Gabriel Subd.	- -		/ /62	76.20		13.70		0.63	1	
	Quezon City	- -									
QCT-2594	San Jose Seminary	- -		/ /	228.66		11.28			2	
	Quezon City	- -									
QCT-2595	San Miguel Brewery	- -		/ /	242.38		6.09			4	
	Quezon City	- -									
QCT-2596	GALAS ELEM. SCHOOL, SNATOL	- -		/ /49	344.51		0.61		3.15	1	
		- -									
QCT-2597	SCOTT PAPER INC, BAESA	14- 40- 33		10/17/79	347.50		41.97			7	
	BAESA, Q.C.	121- 0- 46									
QCT-2598	Scott Paper Philippines, Inc.	- -		/ /	243.90		103.66			7	
	Quezon City	- -									
QCT-2599	Scott Paper Philippines, Inc.	- -		/ /	289.63		113.41			7	
	Quezon City	- -									
QCT-2600	Scott Paper Philippines, Inc.	- -		/ /	304.90		137.19			7	
	Quezon City	- -									
QCT-2601	BROADWAY	- -		/ /66	182.00		25.30	53.63	1.70	1	
	Broadway, Quezon City	- -									
QCT-2602	Sta. Lucia	- -		/ /63	82.30		9.04	10.55	0.95	1	
	Quezon City	- -									
QCT-2603	Sta. Monica	- -		/ /56			7.60	22.60	1.26	1	
	Quezon City	- -									
QCT-2604	TALIPAPA	- -		/ /56	63.11		16.77	21.29	0.95	1	
		- -									

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QCT-2605	Tandang Sora Housing Project	- -		/ /83	310.88		70.20			1	
	Quezon City	- -									
QCT-2606	Tandang Sora Housing Project	- -		/ /84	304.87		79.80	87.57	9.53	1	
	Quezon City	- -									
QCT-2607	Concrete Aggregates	- -		/ /	207.32		73.17			8	
	70 Industria Street	- -									
QCT-2609	Senville Subdivision	- -		/ /		20	76.43			1	3
	Cenacle Drive, Q.C.	- -									
QCT-2610	Garcia Heights	- -		/ /	182.93	20	55.84			1	3
	Luzon Ave., Diliman, Q.C.	- -									
QCT-2611	New Capitol Estates	- -		/ /		15	36.06			1	2
	Don Mariano Marcos Hi-way	- -									
QCT-2612	General Textile Mills	14- 36- 40		/ /		40	83.44			7	2
	Libis, Q.C.	121- 4- 46									
QCT-2615	N I A	- -		/ /72		25	12.50			2	3
	Along EDSA Ave.	- -									
QCT-2616	Oriental	- -		/ /		20	64.84			6	3
	Quirino Hi-way, Balintawak	- -									
QCT-2617	BLISS Pasong Tamo	- -		/ /		20	76.62			2	3
	Himlayan Road, Q.C.	- -									
QCT-2618	BAGBAG, NOVALICHES	- -		/ /55	91.46		12.80	15.94	0.44	1	
		- -									
QCT-2619		- -		/ /56	73.20		4.58	9.25	0.13	1	
	Bagbag, Novaliches	- -									
QCT-2620		14- 41- 3		/ /71	304.80		31.40	80.80	2.03	1	
	Bagbag, Novaliches	121- 1- 22									
QCT-2621	BAGBAG. NOVALICHES	14- 41- 59		/ /80	200.00		35.06	92.99	13.88	1	
	Bagbag, Novaliches, Q.C.	121- 1- 58									
QCT-2622		- -		/ /	70.12		8.54			1	
	Bago Bantay, Novaliches	- -									
QCT-2623	Parkwood Subdivision	14- 43- 50		/ /		20	91.35			1	1
	Quezon City	121- 7- 2									
QCT-2624	Ayala Village	14- 40- 31		/ /		30	70.50			1	2
	Capitol Park, Q.C.	121- 5- 14									
QCT-2625	FILINVEST II. Q.C.	- -	CONDRILL	/ /							
		- -									
ROS-1001	MWSS BO. SAPA	14- 24- 52		/ /82	286.00	25	10.00	26.00	6.40	1	2
	Bo. Sapa, Rosario, Cavite	120- 50- 47									
ROS-1002	MWSS PUMP #1	14- 24- 54		/ /82	305.00	25	13.00	34.00	34.66	1	1
	Abandoned Railroad, Rosario, Cavite	120- 51- 32									
ROS-1003	MWSS PUMP #2	14- 24- 57		/ /82	305.00	25	13.00	37.00	34.32	1	1
	Abandoned Railroad, Rosario, Cavite	120- 51- 42									
ROS-1004	MWSS PUMP #3	14- 25- 2		/ /82	305.00	25	15.00	37.00	20.90	1	1
	Abandoned Railroad, Rosario, Cavite	120- 51- 50									
ROS-1005	MWSS PUMP #4	14- 25- 7		/ /82	302.00	25	13.00	40.00	28.89	1	1
	Abandoned Railroad, Rosario, Cavite	120- 51- 58									
ROS-1006	MWSS PUMP #5	14- 25- 10		/ /82	302.00	25	8.00	32.00	38.40	1	1
	Abandoned Railroad, Rosario, Cavite	120- 52- 8									

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ROS-1007	BO. WAWA	14- 24- 59	Goldwater	/ /82	302.00	25	8.00	32.00	42.40	1	2
	Bo. Wawa, Rosario, Cavite	120- 50- 56									
ROS-1008	ROSARIO TOWN PLAZA	14- 25- 6	Sankyo Kogyo	/ /82	299.00	25	10.00	28.00	46.00	1	1
	Town Plaza, Rosario, Cavite	120- 51- 20									
ROS-2001	Dr. Redentor J.G. Pagtalunan	- -	Shamrock	09/27/74	110.37	10	3.66	4.88	0.95	1	
	Rosario, Cavite	- -									
ROS-2002	Phil. Vinyl Consortium Inc.	14- 24- 45		/ /					37.86	5	1
	Rosario	120- 51- 36									
ROS-2003	Cavite Export Processing Zone	14- 24- 29		/ /					25.24	8	1
	EPZA Rosario	120- 51- 35									
ROS-2004	Cavite Export Processing Zone	14- 24- 26		/ /					25.23	8	1
	EPZA Rosario	120- 51- 38									
ROS-2005	Cavite Export Processing Zone	14- 24- 30		/ /					31.54	8	1
	EPZA Rosario	120- 51- 35									
ROS-2006	Filoil	- -	Shamrock	/ /61	366.00				25.00	8	
	Rosario	- -									
ROS-2007	Phil. Engineering Inc.	- -	Pyramid	/ /68	213.41	20	9.75	56.70	16.41	8	
	Rosario	- -									
ROS-2008	B P W	- -	B P W	/ /63	298.78	20	22.86	45.73	9.78	1	
	Rosario	- -									
ROS-2009	CAA Tower	- -		/ /	79.00	10			0.50	1	
	Rosario	- -									
ROS-2010	C C A T	- -		/ /	183.00	10			7.40	3	
		- -									
ROS-2011	Union Glass	- -	J.B. Hoover	/ /75	121.95	20	15.24	30.48	12.62	8	
		- -									
ROS-2012	Phil. Vinyl Consortium Corp.	- -	J.B. Hoover	/ /	182.92	30	5.48	22.86	34.72	8	
		- -									
ROS-2013	Filoil	- -	Shamrock	/ /61	305.00	30				8	3
		- -									
ROS-2014	Filoil	- -	Shamrock	/ /62	266.00	30			27.70	8	3
		- -									
SJN-2001	Robinson's Galleria Complex	- -	Hydro-Wells	/ /	304.88	20	48.50	67.05	9.24	3	1
	Ortigas Avenue cor. EDSA , San Juan	- -									
SJN-2002	Cardinal Santos Medical Center	14- 35- 56		/ /					2.00	2	1
	Wilson Street, San Juan	121- 2- 38									
SJN-2003	International Oil	14- 35- 51		/ /61					0.88	8	1
	19 F. Manalo Street, San Juan	121- 1- 33									
SJN-2004	International Oil	14- 35- 51		/ /75					2.20	8	1
	19 F. Manalo Street, San Juan	121- 1- 31									
SJN-2005	Waterous Hospital	14- 35- 42		/ /					0.63	2	1
	Ortega cor. Mabini St., San Juan	121- 2- 20									
SJN-2006	Waterous Hospital	- -	Lopez	/ /61	122.00	10			1.30	2	1
	Pilar Street, San Juan	- -									
SJN-2007		- -	Lopez	/ /65	152.43	10	7.62		1.90	1	
	Pinaglabanan, San Juan	- -									
SJN-2008	International Riverside	- -	Lopez	/ /68	228.65	20	88.40		18.93	8	
	F. Manalo Street, San Juan	- -									

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SJN-2009	Sonnet Inc.	- -	Lopez	/ /70	152.43	10	6.40		0.90	3	
	San Juan	- -									
SJN-2010	Victor Tagle	- -	Lopez	/ /67	149.39	10			0.90	3	
	305 Guevarra Street, San Juan	- -									
SJN-2011		- -		/ /60	220.00		5.00		12.00	1	
	Bo. Onse, San Juan	- -									
SJN-2012	Central Knitting & Weaving Co.	- -		/ /59	236.22		7.62	39.02	18.90	7	
	San Juan	- -									
SJN-2013	BAGUIO OIL	- -		/ /		25	19.10			8	1
	F. Manalo, San Juan, M.M.	- -									
SJN-2014	BAGUIO OIL	- -		/ /		35	38.59			8	1
	F. Manalo, San Juan, M.M.	- -									
SMT-1001	MWSS Public Market	14- 41- 54		/ /76	137.20	25	10.60		17.67	1	1
	M.H. Del Pilar, San Mateo, Rizal	121- 7- 10									
SMT-1002	MWSS Bo. Ampid	14- 40- 32	Condrill	/ /77	152.00	25	6.25	18.06	17.70	1	3
	Bo. Ampid, San Mateo, Rizal	121- 6- 35									
SMT-1003	MWSS Malanday	14- 42- 24	Condrill	/ /78	182.92	25	12.00	65.54	14.00	1	1
	J.P. Rizal, Malanday, San Mateo	121- 7- 34									
SMT-1004	MWSS Maly	14- 42- 47	NIA	/ /78	208.00	25	12.00	15.69	14.00	1	1
	Brgy. Maly, San Mateo, Rizal	121- 7- 47									
SMT-1006	MWSS Dulong Bayan	14- 42- 29		/ /88						1	1
	Daang Bakal, Dulong Bayan, San Mateo	121- 7- 32									
SMT-1007	MWSS Banaba	14- 40- 36		/ /						1	1
	J.P. Rizal, Banaba, San Mateo	121- 6- 31									
SMT-2005	Premium Agro-Swine	- -		/ /						8	
	Barrio Abuab , San Mateo	- -									
SMT-2008	Sta. Lucia Realty	14- 40- 38		/ /					0.76	1	1
	Greenland Subd., Bo. Ampid	121- 7- 14									
SMT-2009		- -	BPW	/ /73	45.70	15	9.15	10.67	4.54	1	
	Gitnang Bayan, San Mateo	- -									
SMT-2010	Mariwasa	- -		/ /74	139.29	20			17.30	8	
	San Mateo	- -									
SMT-2011	Marvi Subbdivision	- -	St. Christocher	/ /73	152.43	15	9.41		6.20	1	
	San Mateo	- -									
SMT-2012	Marvi Subbdivision	- -	St. Christopher	/ /73	131.10	15	14.63		4.50	1	
	San Mateo	- -									
SMT-2013	Marvi Subbdivision	- -	St. Christopher	/ /77	131.10	15	13.71		6.30	1	
	San Mateo	- -									
SMT-2014		- -		/ /	60.00					1	
	Abuab, San Mateo	- -									
SMT-2015		- -		/ /						1	
	Abuab, San Mateo	- -									
SMT-2017	Dna. Pepeng	- -		/ /82			7.30			1	
	San Mateo	- -									
SMT-2018	Dulong Bayan Elem. School	14- 42- 6		/ /						1	
	San Mateo	121- 7- 14									
SMT-2019	General Luna	14- 41- 51		/ /						1	
	San Mateo	121- 7- 6									

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SMT-2020		- -		/ /			11.68	65.53	14.39	1	
	Maly, San Mateo	- -									
SMT-2021		14- 42- 33		/ /			6.70			1	
	Maly, San Mateo	121- 7- 48									
SMT-2022		14- 42- 53		/ /	200.00		6.35	15.69	16.72	1	
	Maly, San Mateo	121- 7- 52									
SMT-2023		14- 42- 41		/ /						1	
	Maly, San Mateo	121- 7- 50									
SMT-2025	Poblacion	14- 42- 0		/ /60	139.63		10.67	33.57	14.20	1	
	Poblacion, San Mateo	121- 7- 0									
SMT-2026	San Mateo Gravel Plant	- -		/ /50	153.35		5.49	5.95	1.26	3	
	San Mateo	- -									
SMT-2028	West Side, Nangka River	14- 40- 27		/ /						1	
	San Mateo	121- 6- 29									
SMT-2029	Monterey Subdivision	- -		/ /		20	5.59			1	2
	San Mateo	- -									
SMT-2030	Banker's Village	- -		/ /90	113.41	20	2.31			1	2
	San Mateo	- -									
TGG-1001	MWSS TIPAS	14- 32- 33	Condrill	/ /76	63.71	20	17.68		11.36	1	3
	Tipas, Taguig, M.M.	121- 4- 46									
TGG-1002	MWSS TUKTUKAN	14- 31- 51	Pacheco	/ /78	182.92	25	20.42	45.73	17.36	1	3
	Tuktukan, Taguig, M.M.	121- 4- 46									
TGG-1003	MAHARLIKA VILLAGE #3	14- 30- 8		07/28/78	201.22	25	29.26	58.23	19.00	1	3
	Maharlika Vill., Bicutan, Taguig	121- 3- 14									
TGG-1004	MWSS USUSAN	14- 32- 10	NIA	08/18/78	180.00	25	21.55	34.75	19.44	1	3
	Ususan, Taguig, M.M.	121- 3- 58									
TGG-1005	MWWSS UPPER BICUTAN	14- 30- 13	NIA	01/01/81	231.36	25	58.50	114.30	11.40	1	1
	Upper Bicutan, Taguig, M.M.	121- 2- 51									
TGG-2001	Premier Steam Laundry	- -	Shamrock	10/03/79	243.90	20	54.88	98.17	5.68	8	
	1st avenue, Bagumbayan, Taguig	- -									
TGG-2002	Polymer Chemicals Inc.	- -	Shamrock	03/15/77	213.41	15	59.45	74.69	5.17	5	
	Bicutan , Taguig	- -									
TGG-2003	Triumph Builders & Steel Corp.	- -	Shamrock	03/29/79	213.41	20	33.54	101.52	6.63	8	
	NSDB Complex, Taguig	- -									
TGG-2004	Bio - Hong (Uy Hong)	14- 28- 48	Sercon	02/25/87	243.00	20	60.00	77.00	6.60	8	
	Bo. Tanyag, Taguig	121- 3- 2									
TGG-2005	Toyo Keiki (Phils) Inc. #1	14- 29- 33	Hydro Systems	11/01/85	195.12	15	109.76	133.54	8.33	8	
	Upper Bicutan, Taguig	121- 2- 39									
TGG-2006	Toyo Keiki (Phils) #2	14- 29- 39	Hydro Systems	01/01/87	213.41	20	73.17	115.85	4.10	8	
	Eastern Road, FTI Complex, Taguig	121- 2- 31									
TGG-2007	Toyo Keiki (Phils) Inc. #3	14- 29- 42	Hydro Systems	09/01/87	213.41	25	25.91	48.78	20.00	8	
	Upper Central Bicutan , Taguig	121- 2- 42									
TGG-2008	A G & P	- -		/ /	182.93					8	
	Tanyag, Taguig	- -									
TGG-2009	Gelmart Industries	- -		/ /	244.00					7	
	Bicutan , Taguig, Metro Manila	- -									
TGG-2010	TUKTUKAN	- -		/ /78			20.43	45.73	17.35	1	
	Tuktukan, Taguig	- -									

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TGG-2011	Shoenart Shoe Factory	14- 29- 0	Condrill	/ /82		20	59.15		2.48	6	
	Sta. Maria Drive, Bagumbayan	121- 2- 57									
TGG-2012	CENTURY CANNING CORP.	- -	Shamrock	/ /	243.90		50.30	101.52	9.47	4	
	Taguig, Metro Manila	- -									
TGG-2013	Santa Lucia Realty	14- 30- 55	Hydro Wells	/ /	152.42	20	24.59		13.33	1	
	Bay Breeze , Taguig	121- 4- 26									
TGG-2014	Marsteel Corporation	14- 32- 38	Shamrock	11/04/75	182.90		16.40	29.00	10.41	8	
	Taguig, Metro Manila	121- 5- 27									
TGG-2015	C D C P	14- 29- 11	Shamrock	06/25/78	243.90		80.79	134.14	5.90	1	
	Bicutan, Taguig	121- 2- 44									
TGG-2016	FOOD TERMINAL, INC.	14- 30- 45	Condrill	/ /83		25	75.64	116.97	26.00	4	
	Taguig	121- 2- 25									
TGG-2017	FOOD TERMINAL, INC. #1	- -		/ /	170.73	25	60.97	73.17	12.62	1	3
	South SuperHighway, Taguig	- -									
TGG-2018	FOOD TERMINAL, INC. #2	- -		/ /	170.73	25	60.97	79.26	17.26	8	
	South SuperHighway, Taguig	- -									
TGG-2019	FOOD TERMINAL, INC. #3	- -		/ /	170.70	25	60.97	79.26	17.67	8	
	South SuperHighway, Taguig	- -									
TGG-2020	FOOD TERMINAL, INC. #4	- -		/ /	170.73	25	60.97	79.25	5.68	8	
	South SuperHighway, Taguig	- -									
TGG-2021	FOOD TERMINAL, INC. #5	- -		/ /	304.80	25	59.45	65.54	20.20	8	
	South SuperHighway, Taguig	- -									
TGG-2022	FOOD TERMINAL, INC. #6	- -		/ /	304.80	25	59.45	86.21	22.09	8	
	South SuperHighway, Taguig	- -									
TGG-2023	ELIZALDE STEEL CONSOLIDATED, INC. #1	- -	HURRICANE	/ /68	243.90		12.19		9.50	8	
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2024	ELIZALDE STEEL CONSOLIDATED, INC. #2	- -	HYDROFESSIONAL	/ /68	243.90		12.32		9.50	8	
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2025	Fanecor	- -		/ /80	79.25	10	73.40		3.00	8	
		- -									
TGG-2026	Villa	- -		/ /						1	3
	Taguig	- -									
TGG-2027	Filipro	- -		/ /80	97.86	10	42.98		1.36	4	
	Taguig	- -									
TGG-2028	Industrial Container Corp.	- -		/ /79	91.46	10			1.00	8	
	Taguig	- -									
TGG-2029	Hammer & Nails	- -		/ /		10			0.60	8	3
	Taguig	- -									
TGG-2030		- -		/ /					0.93	1	
	Taguig	- -									
TGG-2031	Lakeview Garment	- -		/ /80	213.41	20			0.50	7	
	Taguig	- -									
TGG-2032	Lakeview Garment	- -		/ /80	243.90	20			0.50	7	
	Taguig	- -									
TGG-2033	International Steel	- -		/ /					1.00	8	
	Taguig	- -									
TGG-2034	International Steel	- -		/ /80	121.95	10			2.50	8	
	Taguig	- -									

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TGG-2035	Durachain	- -		/ /					3.50	8	
	Taguig	- -									
TGG-2036	Arrieta	- -		/ /					3.50	8	
	Taguig	- -									
TGG-2037	Tanyag Public Well	- -		/ /						1	3
	Taguig	- -									
TGG-2038	ELIZALDE STEEL CONSOLIDATED, INC. #3	- -		/ /68	243.90		12.32			8	3
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2039	ELIZALDE STEEL CONSOLIDATED, INC. #4	- -		/ /68	243.90		12.32		8.00	8	3
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2040	ELIZALDE STEEL CONSOLIDATED, INC. #5	- -		/ /75	243.90	35			12.50	8	3
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2041	ELIZALDE STEEL CONSOLIDATED, INC. #6	- -		/ /75	243.90				10.00	8	
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2042	ELIZALDE STEEL CONSOLIDATED, INC. #7	- -		/ /	243.90					8	3
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2043	ELIZALDE STEEL CONSOLIDATED, INC. #8	- -	WELLS & PUMPS	/ /	243.90				10.00	8	3
	Bo. Kalawaan Sur, Taguig	- -									
TGG-2044	MARIWASA	- -		/ /					3.50	8	
	South Superhighway	- -									
TGG-2045	CAMP BAGONG DIWA #1	- -	ISLAND MACH.	/ /61	183.00	15	21.00		13.00	2	
	Bicutan, Taguig	- -									
TGG-2046	CAMP BAGONG DIWA #2	- -	ISLAND MACH.	/ /76	121.95	20				2	2
	Bicutan, Taguig	- -									
TGG-2047	GAMI INDUSTRIES, INC.	- -		/ /72	243.90		27.74	38.41	12.87	8	
	Bicutan, Taguig	- -									
TGG-2048	PHIL. TEXTILE RESEARCH	- -		/ /69	243.90		36.58		11.00	7	
	Bicutan, Taguig	- -									
TGG-2049	DYNACRAFT INT'L	- -	PIWDC	08/17/79	243.90	25	56.40	77.74	20.80	8	
	FTI Complex, Taguig	- -									
TGG-2050	BELTINA DE LEON	- -		/ /64	152.00		28.00		8.00	1	
	Bagumbayan, Taguig	- -									
TGG-2051	QUEPE HARDWARE	- -	LOPEZ	06/17/78	213.41	15	48.78			1	
	Taguig	- -									
TGG-2052	CHEMICAL INDUSTRIES PHILS.	- -		/ /64	182.92		6.40		10.00	7	
	Taguig	- -									
TGG-2053	C & C COMMERCIAL CORP.	- -		/ /69	213.41				6.00	3	
	Napindan, Taguig	- -									
TGG-2054	HAGONOY ELEM. SCHOOL	- -		/ /						2	3
	Hagonoy, Taguig	- -									
TGG-2055	WAWA ELEM. SCHOOL	- -		/ /						2	3
	Taguig	- -									
TGG-2056	BICUTAN ELEM. SCHOOL	- -		/ /						2	
	Bicutan, Taguig	- -									
TGG-2057	SANYO PHILS, INC.	- -		04/01/78	213.40	15			8.50	8	
	Manalo Ind'l. Estate, Tanyag, Taguig	- -									
TGG-2058	ECCO PLASTIC	- -		/ /	213.40	20			10.00	5	
	Taguig	- -									

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TGG-2059	Industrial Marble	- -		/ /76	114.32	10	91.46		10.00	8	
	Taguig	- -									
TGG-2060	International Steel	- -		/ /80	121.95	8	91.46		6.00	8	
	Taguig	- -									
TGG-2061	DESCO	- -		05/01/80	243.90	20	114.32		6.94	1	
	South Superhighway	- -									
TGG-2062	LAKEVIEW GARMENTS	- -		/ /					11.11	7	
	Taguig	- -									
TGG-2063	HYCO LABORATORIES CO. INC.	- -		/ /	170.73	10	91.46	109.75	1.89	5	
	Taguig	- -									
TGG-2064	Tennessee Chemical	- -		/ /76	182.92	15			1.89	5	
	Taguig	- -									
TGG-2065	PERPETUAL VILLAGE	- -		/ /72	274.39	25	91.46		2.52	1	
	Taguig	- -									
TGG-2066	Pioneer	- -		/ /					5.00	8	
	Taguig	- -									
TGG-2067	CALIFORNIA MANUFACTURING CORP. #1	- -		/ /69	243.90	25	114.30		5.00	4	
	South Superhighway, Taguig	- -									
TGG-2068	CALIFORNIA MANUFACTURING CORP. #2	- -		/ /					7.50	4	
	South Superhighway, Taguig	- -									
TGG-2069	CALIFORNIA MANUFACTURING CORP. #3	- -		/ /					4.50	4	
	South Superhighway, Taguig	- -									
TGG-2070	CALIFORNIA MANUFACTURING CORP. #4	- -		09/01/75	243.90	33	115.85	198.17	2.52	4	
	South Superhighway, Taguig	- -									
TGG-2071	C.M.C.	- -		/ /78	222.56	33	115.85	198.17	3.50	4	
	Taguig	- -									
TGG-2072	C.M.C.	- -		/ /65	259.14	33	115.85	198.17	3.00	4	
	Taguig	- -									
TGG-2073	PHIL. APPAREL	- -		/ /79	304.87	20	52.13	107.92	7.25	7	
	South Superhighway, Taguig	- -									
TGG-2074	MARCELO GREEN SUBDIVISION	- -		/ /					11.10	1	
	South Superhighway, Taguig	- -									
TGG-2075	San Isidro Ice Plant	- -		/ /78	182.92	30	57.52	92.68	3.15	8	
	Taguig	- -									
TGG-2076	San Isidro Ice Plant	- -		/ /78	291.15	30			1.26	8	
	Taguig.	- -									
TGG-2077	San Isidro Ice Plant	- -		/ /78		25	100.78		2.50	8	
	Taguig	- -									
TGG-2078	San Isidro Ice Plant	- -		/ /		30	92.18		2.50	8	
	Taguig	- -									
TGG-2079	San Isidro Ice Plant	- -		/ /		30	101.51		2.50	8	
	Taguig	- -									
TGG-2080	MOTOROLA	- -		/ /80	182.92	15			6.00	8	3
	South Superhighway, Taguig	- -									
TGG-2081	SEVERINA DIAMOND SUBDIVISION	- -		/ /68	152.43	15	39.63		2.52	1	
	South Superhighway, Taguig	- -									
TGG-2082	LUZON AGGREGATES	- -	PIWOC	07/16/75	213.40	20	50.30		11.00	8	
	Km 17 South Superhighway, Paranaque	- -									

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TGG-2083	NOVELTY PHILS. INC Bicutan, Taguig	- - - -		/ /	91.46	15	35.06	42.68	5.05	7	
TGG-2084	NOVELTY PHILS. INC. South Superhighway, Taguig	- - - -		/ /78	213.40	20	83.84	97.86	4.34	7	
TGG-2085	CAMP BAGONG DIWA #3 Bicutan, Taguig	- - - -	SERCON	05/15/75	114.42	15	53.35		6.94	2	
TGG-2086	CAMP BAGONG DIWA #4 Bicutan, Taguig	- - - -	SERCON	08/29/75	114.42	15	36.58	67.07	18.93	2	3
TGG-2087	NSDB #1 Bicutan, Taguig	- - - -		/ /80	304.87				10.00	2	
TGG-2088	NSDB #2 Bicutan, Taguig	- - - -		/ /80		20	57.30			2	3
TGG-2089	BUREAU OF PUBLIC HIGHWAYS Bicutan, Taguig	- - - -		/ /75					11.10	2	
TGG-2090	ST. MARTIN SUBDIVISION #1 Bagumbayan, Taguig	- - - -		/ /	91.46	20	32.00			1	3
TGG-2091	ST. MARTIN SUBDIVISION #2 Bagumbayan, Taguig	- - - -	B.R. DIZON	06/01/80	152.43	15	30.48		2.08	1	
TGG-2092	FILIPRO Bagumbayan, Taguig	- - - -		/ /	152.40	15			4.46	1	
TGG-2093	HARITEX INDUSTRIES INC. Taguig	- - - -		01/05/73	213.41	15	97.56		3.79	8	
TGG-2094	PACIFIC STAR PLANT (YAMACO) Bagumbayan, Taguig	- - - -		/ /					3.50	8	3
TGG-2095	POLYTON INDUSTRIES #1 Bagumbayan, Taguig	- - - -		/ /76	121.95	10				7	3
TGG-2096	POLYTON INDUSTRIES #2 Bagumbayan, Taguig	- - - -	ORIGINAL	09/01/80	243.90	15	73.17		1.38	7	
TGG-2097	PACIFIC TIMBER EXPORT CORP. Bagumbayan, Taguig	- - - -		/ /	152.43	10	76.21		0.25	3	3
TGG-2098	PROCESS CHEMICAL MFG. CORP. Bagumbayan, Taguig	- - - -		/ /76	121.95	15			1.90	7	
TGG-2099	VERNAL, INC Bagumbayan, Taguig	- - - -		/ /75	121.95	15			3.15	7	
TGG-2100	PAMELON PHILS., INC. Bagumbayan, Taguig	- - - -		05/01/77	182.92	15	97.56		1.89	3	
TGG-2101	ARMEL PLASTIC, INC Bagumbayan, Taguig	- - - -		/ /	243.90	15			6.00	8	
TGG-2102	JUBRIC CANNING CORP. Bagumbayan, Taguig	- - - -		/ /					6.50	4	
TGG-2103	SPECIAL STEEL PRODUCT Bagumbayan, Taguig	- - - -		/ /	106.70				2.00	8	
TGG-2104	Panphil Alloys Taguig	- - - -		/ /76	109.75	15			1.26	8	
TGG-2105	Phil. Nylon Taguig	- - - -		/ /					3.00	8	
TGG-2106	Public Market Taguig	- - - -		/ /					2.00	1	

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TGG-2107	Mr. Godofredo Cruz	- -		/ /						3	3
	Taguig	- -									
TGG-2108	Mr. Magtangol Meguilito	- -		/ /						3	3
	Taguig	- -									
TGG-2109	Mr. Mateo	- -		/ /						3	3
	Taguig	- -									
TGG-2110	Pres. Magsaysay	- -		/ /						1	3
	Taguig	- -									
TGG-2111	S & T Enterprises	- -		/ /79	182.92	10			1.90	8	
	Taguig	- -									
TGG-2112	Tierra Factor	- -		/ /					3.00	8	
	Taguig	- -									
TGG-2113	P A E	- -		/ /					3.50	7	
	Taguig	- -									
TGG-2114	PECORP	- -	S.R. DIZON	/ /					2.50	1	
	Taguig	- -									
TGG-2115	Eusebio Santos Elem. School	- -		/ /	60.97					2	
	Taguig	- -									
TGG-2116	BEAUTIFONT, INC.	- -	SHAMROCK	07/01/74	170.73	15	41.46	60.06	3.47	5	
	South Superhighway, Taguig	- -									
TGG-2117	Maharlika Village	- -		/ /					11.10	1	
	Taguig	- -									
TGG-2118	Pennel Comm. Container	- -		/ /80	91.46	10				3	
	Taguig	- -									
TGG-2119	Severina Diamond	- -		/ /81	231.70		38.68		5.50	1	
	Taguig	- -									
TGG-2120	Dionisio Subd.	- -		/ /					6.48	1	
	Taguig	- -									
TGG-2121	Superville Subd.	- -		/ /					14.80	1	
	Taguig	- -									
TGG-2122	Elison	- -		/ /	304.87					1	3
	Taguig	- -									
TGG-2123		- -		/ /	149.39					1	3
	20383 Tipas, Taguig	- -									
TGG-2124	Goldzack	- -		/ /78	243.90	20	54.58	70.73	3.00	8	
	Taguig	- -									
TGG-2125	Phil. Sunroof Corp.	- -		/ /					3.00	8	
	Taguig	- -									
TGG-2126	Durafex	- -		/ /					4.00	8	
	Taguig	- -									
TGG-2127	C.M.C.	- -		/ /	274.39				3.50	4	
	Taguig	- -									
TGG-2128	Motorola	- -		/ /	216.46				3.50	8	3
	Taguig	- -									
TGG-2129	Bormaheco	- -		/ /81	214.33	20	67.07		4.00	8	
	Taguig	- -									
TGG-2130	Carpet International Phil.	- -		/ /80	152.44	15			1.26	7	
	Taguig	- -									

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TGG-2131	Duraflex	- -		/ /72	274.40	30			9.47	8	
	Taguig	- -									
TGG-2132	Carpet Master	- -		/ /80	121.95	10			3.00	7	
	Taguig	- -									
TGG-2133	Carpet Master	- -		/ /87	137.19	10			3.28	7	
	Taguig	- -									
TGG-2134	Tuyo Enterprises	- -		/ /80	121.95	10			2.50	8	
	Taguig	- -									
TGG-2136	GOLD-ZACK PHILS., INC.	- -	PIWDC	/ /82	244.00	25	78.70	141.55	14.20	8	
	FTI Complex, Taguig, M.M.	- -									
TGG-2138	S.M. HOMES	- -	PIWDC	05/17/84	183.00	15	56.25		1.89	1	
	Taguig, M.M.	- -									
TGG-2140	CENTURY CANNING CORPORATION #4	- -	PIWDC	01/19/87	305.00	25	50.30	120.20	8.33	4	
	Bo. Bagumbayan, Taguig, M.M.	- -									
TGG-2141	Multiland Development Corp.	- -		/ /89						1	
	Bagumbayan, Taguig	- -									
TGG-2142	Northern Chemicals	- -		/ /90						5	
	Taguig	- -									
TGG-2143	National Housing Authority	14- 30- 37		/ /					2.62	1	1
	Bagong Lipunan Housing Project	121- 3- 7									
TGG-2144	National Housing Authority	14- 30- 32		/ /					0.95	1	1
	Bagong Lipunan Housing Project	121- 2- 5									
TGG-2145	National Housing Authority	14- 30- 38		/ /					3.74	1	1
	Bagong Lipunan Housing Project	121- 2- 11									
TGG-2146	Northern Chemicals	14- 28- 42		/ /					1.26	5	1
	Arturo cor. Jorge Drive	121- 3- 9									
TGG-2147	3D	14- 28- 59		/ /					5.05	8	1
	Manalac Street, Tanyag	121- 3- 4									
TGG-2148	3D	14- 28- 59		/ /					5.05	8	1
	Manalac Street, Tanyag	121- 3- 10									
TGG-2149	Far East Assembly Corp.	14- 28- 58		/ /					0.95	8	1
	4th Ave. Sta. Maria Subd., Bagumbayan	121- 3- 10									
TGG-2150	Far East Assembly Corp.	14- 28- 56		/ /					0.95	8	1
	4th Ave. Sta. Maria Subd., Bagumbayan	121- 3- 11									
TGG-2151	Far East Assembly Corp.	14- 28- 56		/ /					0.95	8	1
	4th Ave. Sta. Maria Subd., Bagumbayan	121- 3- 12									
TGG-2152	Dick Mark Comm. Inc.	14- 29- 25		/ /					1.26	8	1
	026 1st Ave., Bagumbayan	121- 3- 10									
TGG-2153	Novelty Phils.. Inc.	14- 29- 8		/ /					1.82	1	1
	5 Josepsitt, Bagumbayan	121- 2- 58									
TGG-2154	Carpet Master	14- 28- 21		/ /					3.20	7	1
	Arturo Dr. cor Jorge Dr. Bagumbayan	121- 3- 4									
TGG-2155	Carpet International	14- 28- 41		/ /80					1.91	7	1
	5th Ave. Bagumbayan	121- 3- 9									
TGG-2156	DPWH	14- 29- 30		/ /					4.20	2	1
	Bicutan	121- 3- 15									
TGG-2157	Sangguniang Barangay ng Wawa	14- 31- 19		/ /					0.35	1	1
	Eusebio Elem. Sch.,Tambak, Wawa	121- 4- 20									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
TGG-2158	National Steel Corporation	14- 32- 47		/ /					28.00	8	1
	Elisco Rd., Kalawaan Sur	121- 5- 33									
TGG-2159	National Manpower & Youth Council	14- 31- 28		/ /					10.90	2	1
	East Service Rd. South Super Highway	121- 1- 39									
TGG-2160	G. de Leon	- -		/ /64	152.00		28.00		8.00	3	
	Taguig	- -									
TGG-2164	Desco	- -		/ /80	243.90		114.32		6.94	8	
	Taguig	- -									
TGG-2169		- -		/ /78					14.20	1	
	Tuktukan, Taguig	- -									
TGG-2171		- -		/ /58	13.72		2.44		0.63	1	
	Tuktukan, Taguig	- -									
TGG-2173		14- 31- 54		/ /	182.92		20.40		17.35	1	
	Tuktukan, Taguig	121- 4- 4									
TGG-2174		- -		/ /80	213.36		58.50		11.40	1	
	Upper Bicutan, Taguig	- -									
TGG-2177		- -		/ /57			1.52	4.54	0.50	1	
	Ususan, Taguig	- -									
TGG-2178		14- 32- 38		/ /			21.55	34.79	19.43	1	
	Ususan, Taguig	121- 4- 3									
TGG-2179		- -		/ /79					26.25	1	
	Ususan, Taguig	- -									
TGG-2180		- -		/ /78	180.00		21.55	34.79	19.44	1	
	Ususan, Taguig	- -									
TGG-2181	Elizalde Steel Cons. Inc.	- -		/ /68	243.90		12.32		9.50	8	
	Taguig	- -									
TGG-2182	Elizalde Steel Cons. Inc. #1	- -		/ /68	243.90		12.19		9.50	8	
	Taguig	- -									
TGG-2185	Invest. & Dev. Inc. #1	- -		/ /82	244.00		67.00		7.80	1	
	Taguig	- -									
TGG-2186	Invest. & Dev. Inc. #2	- -		/ /82	244.00		70.10		2.50	1	
	Taguig	- -									
TGG-2187	Luzon Aggregates	- -		/ /75	213.41		50.30		11.00	8	
	Taguig	- -									
TGG-2188	Maharlika	14- 30- 40		/ /78	182.92		29.26	60.92	19.00	1	
	Taguig,	121- 3- 50									
TGG-2191	NSDB-MIRDC	- -		/ /73	244.00		88.40		7.60	8	
	Taguig	- -									
TGG-2192	NSDB-NSTA	- -		/ /	244.00		109.70	128.60	9.45	2	
	Taguig	- -									
TGG-2193	Panecor	- -		/ /80	79.25		73.40		3.00	8	
	Taguig	- -									
TGG-2195	Signal Village #I	- -		/ /81	304.90		32.10	60.35	10.85	1	
	Taguig	- -									
TGG-2196	Signal Village #II	- -		/ /82	304.90		64.94		20.82	1	
	Taguig	- -									
TGG-2197	Signal Village #II	- -		/ /81	171.00		65.00	107.10	24.00	1	
	Taguig	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	SW USE	STATUS
TYY-1001	MWSS Isagani	14- 34- 9		/ /76		20	22.56			1	3
	Isagani St., Taytay, Rizal	121- 7- 45									
TYY-1002	MWSS Sumulong	14- 34- 17		/ /76	202.68	20	38.41	67.07	18.94	1	1
	Sumulong, Bo. Dolores, Taytay	121- 7- 49									
TYY-1003	MWSS San Isidro	14- 34- 31	Condrill	/ /77	179.82	25	26.21	33.23	40.00	1	1
	Bo. San Isidro, Taytay, Rizal	121- 7- 37									
TYY-1004	MWSS Sta. Ana	14- 34- 3		/ /80	153.00	25	27.43	35.36	16.66	1	1
	Sta. Ana, Taytay, Rizal	121- 7- 32									
TYY-1005	MWSS Taytay Elem. School	14- 34- 25	Metro Drillers	10/01/83						1	1
	Taytay Elem. School, San Juan, Taytay	121- 8- 10									
TYY-1006	MWSS San Victores	14- 34- 29	Sankyo Kogyo	07/13/83	152.40	25	39.77	67.07	12.43	1	1
	San Victores Elem. School, Taytay	121- 7- 46									
TYY-1007	MWSS Rosario	14- 33- 51		/ /84			27.74	47.24	31.74	1	1
	Rosario St., Bo. San Juan, Taytay	121- 7- 41									
TYY-1008	MWSS Bangiad	14- 33- 30		/ /85					20.00	1	1
	Rodriguez Ave., Sitio Bangiad, Taytay	121- 8- 20									
TYY-2001	EXTRA ORDINARY & DEV. CORP. #2	- -	Desco	08/01/90	237.00	25	33.72	106.80	6.56	1	
	Golden City Subd., Dolores, Taytay	- -									
TYY-2002	EXTRA ORDINARY & DEV. CORP. #1	- -	Desco	11/01/90	243.90	25	20.50	162.13	4.60	1	
	Golden City Subd., Dolores, Taytay	- -									
TYY-2003	Presicion Electronics #4	- -	Shamrock	/ /71	97.56	15	24.38	71.63	3.79	3	
	Taytay	- -									
TYY-2004	Presicion Electronics #5	- -	Shamrock	/ /78	91.45	15	27.12	44.20	6.31	8	
	Taytay	- -									
TYY-2005	Presicion Electronics #6	- -	Shamrock	/ /79	115.24	15	60.97	85.06	1.26	8	
	Taytay	- -									
TYY-2006	Singer Mfg.	- -		/ /					6.00	8	
	Taytay	- -									
TYY-2007	Finch Paint	- -		/ /64		15	28.95		3.65	5	
	Taytay	- -									
TYY-2008	Sura Steel	- -		/ /					10.00	8	
	Taytay	- -									
TYY-2009	St. Francis Subd.	- -		/ /					3.20	1	
	Taytay	- -									
TYY-2010	Mr Toribio Aquino	- -	Lopez	/ /	47.25	10	35.67		0.70	1	
	Taytay	- -									
TYY-2011	E.C.M. Agricultural	- -		/ /64	30.48	15	19.50	24.38	3.79	3	
	Taytay	- -									
TYY-2012	R.F. Sugay	- -		/ /					1.00	1	
	Taytay	- -									
TYY-2013	Villa Lolita #2	- -		/ /					11.10	1	
	Taytay	- -									
TYY-2014	Capital Garment	- -		/ /					9.70	7	
	Taytay	- -									
TYY-2015	Ortigas Green Hts.	- -		/ /		15	50.50		2.70	1	
	Taytay	- -									
TYY-2016	Precision Electronics #3	- -		/ /	79.26	20			1.90	8	
	Taytay	- -									

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TYY-2017	Precision Electronics #2	- -		/ /	91.46	15			1.90	8	
	Taytay	- -									
TYY-2018	Precision Electronics #1	- -		/ /	91.46	15			1.90	8	
	Taytay	- -									
TYY-2019	Texfiber Corp. #1	- -		/ /	243.90	20			6.00	7	
	Taytay	- -									
TYY-2020	Texfiber Corp. #2	- -		/ /	91.46	15			3.15	7	
	Taytay	- -									
TYY-2021	Texfiber Corp. #3	- -		/ /	152.43	20			8.33	7	
	Taytay	- -									
TYY-2022	Texfiber Corp. #4	- -		/ /					2.20	7	
	Taytay	- -									
TYY-2023	Texfiber Corp. #5	- -		/ /					2.70	7	
	Taytay	- -									
TYY-2024	Texfiber Corp. #6	- -		/ /	91.46	20	35.06		17.78	7	
	Taytay	- -									
TYY-2025	MANILA ELECTRIC COMPANY	14- 33- 32	Hydro Drillers	/ /80	128.04	20	9.00	22.85	17.36	1	
	Taytay, Rizal	120- 8- 39									
TYY-2026	Taytay Ice Plant #1	- -		/ /					7.70	8	3
	Taytay	- -									
TYY-2027	Taytay Ice Plant #2	- -		/ /					7.70	8	3
	Taytay	- -									
TYY-2028	Taytay Ice Plant #3	- -		/ /					7.80	8	3
	Taytay	- -									
TYY-2029	Halina Lumber	- -		/ /					1.90	1	
	Taytay	- -									
TYY-2030	Tubig sa Baryo	- -		/ /					9.80	1	
	Taytay	- -									
TYY-2031	Sn Martin Subd.	- -		/ /					4.00	1	
	Taytay	- -									
TYY-2032	Prestolite	- -		/ /					5.00	8	
	Taytay	- -									
TYY-2033	Ysmael Steel	- -		/ /					5.50	8	
	Taytay	- -									
TYY-2034	Bc. Well	- -		/ /					5.00	1	
	Taytay,	- -									
TYY-2035	San Carlos #1	- -		/ /					6.40	1	
	Taytay	- -									
TYY-2036	San Carlos #2	- -		/ /					5.00	1	
	Taytay	- -									
TYY-2037	San Carlos #3	- -		/ /					5.00	1	
	Taytay	- -									
TYY-2038	Pablo Tigas	- -		/ /						1	
	Taytay	- -									
TYY-2039	Marble Products #1	- -		/ /					5.00	1	
	Taytay	- -									
TYY-2040	Marble Products #2	- -		/ /					4.50	1	
	Taytay	- -									

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TYY-2041	CAPITAL GARMENTS CORP. #2	- -	Shamrock	/ /80						7	
	Ortigas Ave. Ext., Taytay, Rizal	- -									
TYY-2042	PALMERA HOMES, INC.	14- 34- 53	Hydro Driller	10/11/83			19.82	27.44	6.31	1	
	Dolores, Taytay, Rizal	121- 6- 33									
TYY-2043	MERALCO TAYTAY HOUSING PROJ. #2	14- 33- 34	PIWCC	/ /			49.47	107.80	5.44	1	
	San Juan, Taytay, Rizal	121- 8- 31									
TYY-2044	HILLCREST REALTY CORP. #3	- -	Hydro Drillers	05/01/87			28.04	71.37	0.13	1	
	Dolores, Taytay, Rizal	- -									
TYY-2045	Meralco	14- 33- 31		/ /					7.00	3	
	Taytay	121- 8- 38									
TYY-2046	Cresda Realty	14- 33- 12		/ /					2.00	1	
	Bangufad, Taytay	121- 8- 26									
TYY-2047	NICHOLAS INC.	14- 32- 38	ER-CEL	/ /83					1.20	1	
	Muzon, Taytay, Rizal	121- 8- 30									
TYY-2048	Town City Corp.	14- 34-		/ /					4.00	1	
	Dolores, Taytay	121- 8- 26									
TYY-2049	Mun. of San Juan	14- 32- 43		/ /					7.80	2	
	Napindan, Taytay	121- 6- 20									
TYY-2050	Mun. of San Juan	14- 32- 37		/ /					7.80	2	
	Napindan, Taytay	121- 6- 30									
TYY-2051	Hillcrest Corp.	14- 34- 20		/ /					3.00	1	
	Dolores, Taytay	121- 8- 39									
TYY-2052	Costa Villa Realty	14- 34- 9		/ /					2.45	1	
	Dolores, Taytay	121- 8- 12									
TYY-2053	Costa Villa Realty	14- 32- 22		/ /					4.90	1	
	Ciudad Grande, Muzon	121- 7- 56									
TYY-2054	Cresda Realty & Dev. Corp.	14- 32- 44		/ /					2.40	1	
	Cresdaville II, San Juan	121- 8- 7									
TYY-2055	San Miguel Corp.	14- 33- 53		/ /					0.38	4	
	Dolores, Taytay	121- 8- 19									
TYY-2056	Golden City	14- 34- 15		/ /						1	1
	Manila East Road, Taytay	121- 8- 32									
TYY-2057	Tubig Ng Bayan	14- 33- 1		/ /					3.15	1	1
	Muzon, Taytay	121- 8- 25									
TYY-2058	Melendres Subd.	14- 35- 19		/ /					2.00	1	1
	144-153 Ortigas Ave. Ext.	121- 9- 8									
TYY-2059	Capital Garment Corp.	14- 34- 54		/ /					1.26	7	1
	Taytay	121- 8- 10									
TYY-2060	Kingsville Subd.	14- 33- 10		/ /					2.30	1	1
	Apple St., Phase I, Taytay	121- 8- 7									
TYY-2061	Metro Mountains	14- 32- 50		/ /						1	1
	Sierra Madre, Taytay	121- 8- 15									
TYY-2062	Cresda Realty & Dev. Corp.	14- 33- 26		/ /					5.25	1	1
	Lot 13 Blk 6, Cresdaville I	121- 8- 44									
VLZ-1001	MWSS Constantino	14- 40- 50	Pacheco	/ /78	304.80		14.60	43.50	2.30	1	2
	Marulas, Valenzuela	120- 58- 59									
VLZ-1002	MWSS Marulas Elementary School	14- 40- 38	PIWCC	/ /80	305.00		20 109.70	152.40	12.60	1	2
	Marulas, Valenzuela	120- 59- 1									

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VLZ-1003	MWSS Tamaraw Hills	14- 40- 34	Condrill	/ /78	305.00	25	95.80	137.00	6.00	1	2
	Marulas, Valenzuela	120- 58- 59									
VLZ-1004	NWSA/BPW 6515	- -		/ /55	22.60					1	3
	Dalandanan, Valenzuela, M.M.	- -									
VLZ-1005	MWSS	14- 41- 25	HYDRO-WELLS	01/24/82	308.00	20	106.00	135.00	8.70	1	1
	BRGY. MALINTA, VALENZUELA	120- 57- 47									
VLZ-1006	MWSS Arkong Bato	14- 42- 28	Sankyo Kogyo	/ /82	305.00	20	104.00	117.00	7.80	1	1
	San Diego, Subd., Arkong Bato	120- 56- 33									
VLZ-1007	MWSS Pasolo	14- 42- 31	GOLDWATER	12/16/82	305.00	20	107.00	127.00	16.00	1	1
	Pasolo, Valenzuela	120- 57- 44									
VLZ-1008	MWSS	14- 42- 52	NIA CONSULT	01/29/83	304.00	20	106.00	122.00	7.52	1	1
	Kadiwa Center, Malanday	120- 57- 27									
VLZ-1010	MWSS	14- 43- 31	DCA	11/02/82	302.00	20	62.43	72.20	6.80	1	3
	Barangay Coloong, Valenzuela, M.M.	120- 56- 45									
VLZ-1011	MWSS	14- 42- 20	GOLDWATER	05/07/80	305.00	20	38.40	99.00	8.64	1	1
	BRGY. ISLA, VALENZUELA	120- 56- 52									
VLZ-1012	NWSA/BPW 11738	- -		/ /57			3.35		1.13	1	3
	Lingahan, Malanday, Valenzuela, M.M.	- -									
VLZ-1013	NWSA/BPW 2697	- -		/ /	120.40		21.30		15.00	1	3
	Marulas, Valenzuela, M.M.	- -									
VLZ-1014	NWSA/BPW 6411	- -		/ /57	210.40		3.66			1	3
	Palasan, Arkong Bato, Valenzuela	- -									
VLZ-1015	NWSA/BPW 11-61-101	- -		/ /61	233.30		14.50	43.50	11.90	1	3
	Balangkas, Valenzuela, M.M.	- -									
VLZ-1016	MWSS	14- 41- 18		/ /81	308.00		106.00	135.00	7.83	1	1
	T. De Leon, Valenzuela, M.M.	120- 59- 8									
VLZ-1017	NWSA/BPW 6627	- -		/ /	89.00					1	3
	Torres Bugallon, Valenzuela, M.M.	- -									
VLZ-1018	NWSA/BPW TORRES BUGALLON	- -		/ /	201.80					1	3
	Torres Bugallon, Valenzuela, M.M.	- -									
VLZ-1019	NWSA WAWANG PULO	- -	NWSA	/ /63	100.50					1	3
	Wawang Pulo, Valenzuela, M.M.	- -									
VLZ-1020	NWSA/BPW	- -		/ /59	213.40					1	3
	Bo. Binuangan, Obando, Bulacan	- -									
VLZ-1022	NWSA/BPW 11-64-7	- -		/ /	341.50					1	3
	Bureau,of Telecom, Valenzuela, M.M.	- -									
VLZ-2001	Anson Industries Inc.	14- 43- 25	Hydro-Wells	09/01/87	243.90	20	68.20	90.82	1.35	8	
	63 D. Bonifacio St. , Canumay	120- 59- 34									
VLZ-2002	Philbag Industrial Corp.	- -	Hydro-Wells	09/01/87	182.93	15	61.31	69.53	1.45	8	
	709 Gen. Luis St., Karbiga	- -									
VLZ-2003	Clothman Knitting Corp. #3	- -	Orbit Wells	/ /88	228.66	20	9.00	44.92	8.64	7	
	Don Pedro St., Marulas, Valenzuela	- -									
VLZ-2004	Ramitex #6	- -		/ /87	366.00	30	53.02	119.36	12.68	7	
	Paso de Blas, Valenzuela	- -									
VLZ-2005	Hi-Tex Direct Mktg. Corp.	- -	MEGA Const'n.	05/01/88	304.88	25	45.73	97.56	9.46	7	
	Canumay East, Valenzuela	- -									
VLZ-2006	Bensan Industries #2	- -	Hydro-Wells	/ /89	183.00	15	103.00	135.85	3.47	8	
	Bagbaguin, Valenzuela	- -									

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VLZ-2007	Artos Textile Mills Inc. #2 Bagbaguin, Valenzuela	14- 42- 35 121- 0- 5	Acoje Oil	08/01/87	365.85	30	66.89	141.40	11.79	7	
VLZ-2008	RKG International Dev. Corp. Bagbaguin, Valenzuela	- - - -	Hydro-Wells	01/01/88	243.90	30	82.72	94.78	13.88	8	
VLZ-2009	Uniworld Processing Center #1 MGM Ind. Subd. Sitio Gitna, Bagbaguin	- - - -	Hydro-Wells	05/01/88	243.90	30	67.00	89.17	11.37	8	
VLZ-2010	Ultra Textile Mills Inc. Bagbaguin, Valenzuela	- - - -	Hydro-Wells	06/01/89	283.54	25	136.88	158.80	7.56	7	
VLZ-2011	Ramie Textile Incorporated Bagbaguin, Valenzuela	- - - -	DESCO	12/01/89	487.80	25	143.86	166.77	14.52	7	
VLZ-2012	Moldex Realty Incorporated Metrovilla Exec. Village, Mapulang Lupa, Valenzuela	14- 42- 13 120- 59- 58	PIWDC	07/01/89	250.00	20	27.44	122.26	7.00	1	
VLZ-2013	Interworld Steel Mills Inc. Delfin St. Marulas, Valenzuela	14- 40- 18 120- 59- 5	DCA	03/04/82	274.39	20	143.80	151.90	5.23	8	
VLZ-2014	Clothmen Knitting Corp. #2 Don Pedro St., Marulas, Valenzuela	- - - -	Orbit Wells	/ /88	327.00	20	122.56	134.15	9.05	7	
VLZ-2015	Papicor #4 Bagbaguin, Valenzuela	14- 42- 49 121- - 20	Original Eng'g.	11/29/89	259.00	25	91.80	122.00	5.00	7	
VLZ-2016	Ramitex #7 Paso de Blas, Valenzuela	- - - -		/ /	366.00	30				7	
VLZ-2017	Artos Textile Mills Inc. #1 Bagbaguin, Valenzuela	14- 42- 34 120- 59- 55	Acoje Oil	03/01/87	365.85	30	63.70	130.12	12.79	7	
VLZ-2018	Papicor #3 Bagbaguin, Valenzuela	14- 43- 48 121- - 27	Original Eng'g.	11/01/89	231.00	25	57.91	109.57	6.90	7	
VLZ-2019	Papicor #2 Bagbaguin, Valenzuela	14- 42- 46 121- - 20	Original Eng'g.	/ /89	259.00	25				7	
VLZ-2020	Atlantic Knitting Mills #4 #50 San Francisco St., Karuhatan	14- 41- 4 120- 58- 14	DCA	12/13/83	304.88	25	23.64	37.18	12.62	7	
VLZ-2021	Artos Textile Mills Bagbaguin, Valenzuela	- - - -	DESCO	/ /90	296.00	35				7	
VLZ-2022	Gilton Commodities #2 Canumay, Valenzuela	- - - -	Original Eng'g.	12/01/86	304.88	20				8	
VLZ-2023	Ramie Textile Bagbaguin, Valenzuela - Marulas	14- 42- 46 120- 59- 47	Shamrock	04/12/79			46.34	123.78	23.66	7	
VLZ-2024	ATLAS WOOD INDUSTRIES McArthur Hi-way, Valenzuela, M.M.	- - - -	Shamrock	/ /76	182.90	10	13.70	72.00	0.31	8	
VLZ-2025	NWSA/BPW 11-66-2 Balangkas, Valenzuela, M.M.	- - - -	NWSA	/ /66	274.40	20	6.09	11.76	11.40	1	3
VLZ-2026	NWSA/BPW 6631 Bo. Canumay, Valenzuela, M.M.	- - - -		/ /54	51.80		13.70	16.70	4.09	1	3
VLZ-2027	NWSA/BPW 5632 Canumay, Valenzuela, M.M.	- - - -		/ /54	50.30		13.70	16.70	4.09	1	3
VLZ-2028	NWSA/BPW 10380 Bo. Coloong, Valenzuela, M.M.	- - - -		/ /57	158.50		2.13	3.65	1.26	1	3
VLZ-2029	NWSA/BPW 4752 Bo. Coloong, Valenzuela, M.M.	- - - -		/ /	169.20		2.13	14.30	1.94	1	3
VLZ-2030	EXTENSIVE WOOD PROCESSING CORP. Bo. Dalandanan, Valenzuela, M.M.	- - - -	Lopez	/ /78	221.03	15			5.00	8	

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VLZ-2031	FILIPINO METALS	- -	Lopez	/ /72	213.40	15	21.34	64.02	2.67	8	
	Rincon St., Valenzuela, M.M.	- -									
VLZ-2032	IMPERIAL TEXTILE MILLS, INC. #6	- -	PIWDC	/ /75	213.40	45	15.24	76.20	37.50	7	
	Marilao, Bulacan	- -									
VLZ-2033	LA FUERZA	- -	Lopez	11/13/71	182.90	25	76.21		11.00	8	
	Valenzuela, M.M.	- -									
VLZ-2034	LA FORTUNA TEXTILES, INC.	- -	Shamrock	/ /73	182.90	25	22.86	42.67	7.90	7	
	Km. 16, Malanday, Valenzuela, M.M.	- -									
VLZ-2035	MARILAO	- -	PIWDC	/ /75	304.80	45	12.19	60.98	39.20	1	
	Marilao, Bulacan	- -									
VLZ-2036	NWSA/BPW 11-60-81	- -		/ /60	368.90	20	24.40	36.80	15.00	1	3
	Market Site, Marulas, Valenzuela	- -									
VLZ-2037		- -	PIWDC	/ /79	122.00	20	30.48			1	1
	Bo. Paltok	- -									
VLZ-2038	PAXTON HOTEL & RESTAURANT	- -	Lopez	/ /65	213.40	15	36.65		6.00	1	
	Valenzuela, M.M.	- -									
VLZ-2039	PEROXIDE PHILIPPINES CORPORATION	- -	Shamrock	09/08/74	305.00		54.87	78.65	29.65	5	
	Bo. Maysan, Valenzuela, M.M.	- -									
VLZ-2040	PARAMOUNT PRINTMATEX	- -	Lopez	04/15/77	128.02	10	27.43	50.29		8	
	100 Balubaran St., Valenzuela, M.M.	- -									
VLZ-2041	RAMITEX #1	14- 24- 46	Shamrock	04/12/79	250.00	30	106.70		9.45	7	
	Bagbaguin, Valenzuela, M.M.	120- 59- 47									
VLZ-2042	RAMITEX #2	- -	Shamrock	05/09/80	228.65	30	131.00	146.00	25.20	7	
	Bagbaguin, Valenzuela, M.M.	- -	(Rehab.)								
VLZ-2043	RAMITEX #3	- -	Ketwell	03/22/69	234.20	40	102.00	145.00	6.30	7	
	Bagbaguin, Valenzuela, M.M.	- -									
VLZ-2044	RAMITEX #4	- -	Shamrock	04/03/80	183.00	30	23.70	85.40	20.10	7	
	Bagbaguin, Valenzuela, M.M.	- -	(Rehab.)								
VLZ-2045	RAMITEX #5	- -	Pacheco	03/01/80	182.92	35	97.50	102.10		7	
	Bagbaguin, Valenzuela, M.M.	- -									
VLZ-2046	SAN MIGUEL CORPORATION #1	- -	Supreme	09/07/79	228.65					4	2
	McArthur Hi-way, Valenzuela, M.M.	- -									
VLZ-2047	SAN MIGUEL CORPORATION #2	- -	J.B. Hoover	/ /68	213.40					4	2
	McArthur Hi-way, Valenzuela, M.M.	- -									
VLZ-2048	SAN MIGUEL CORPORATION #3	- -		/ /	167.00					4	2
	McArthur Hi-way, Valenzuela, M.M.	- -									
VLZ-2049	SIGMA MOTOR PARTS COMPANY	- -	PIWDC	07/05/78	152.43				0.92	3	
	Torres Bugallon, Valenzuela, M.M.	- -									
VLZ-2050	SOUTH SUPERMARKET	- -	Shamrock	/ /77	213.40					3	
	Marulas, Valenzuela, M.M.	- -									
VLZ-2051	VILLAFUERTE CONSTRUCTION	- -	Lopez	04/07/74	277.43					3	3
	BAI, Malinta, Valenzuela, M.M.	- -									
VLZ-2052	BPW WAWANG PULO	- -		/ /53	96.00					1	3
	Wawang Pulo, Valenzuela, M.M.	- -									
VLZ-2053	WITCO CHEMICALS	- -	Lopez Well	04/20/73	107.90					5	
	Valenzuela, M.M.	- -	Driller								
VLZ-2054	NWSA/BPW	- -		/ /56	143.00					1	3
	Bo. Binuagan, Obando, Bulacan	- -									

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VLZ-2055	NWSA/BPW	- -		/ /59	144.80					1	
	Bo. Binuagan, Obando, Bulacan	- -									
VLZ-2056	NWSA/BPW 5705	- -		/ /56	56.10					1	3
	Bo. Binuagan, Obando, Bulacan	- -									
VLZ-2057	NWSA/BPW 4711	- -		/ /48	56.70					1	3
	Hulo, Obando, Bulacan	- -									
VLZ-2058	NWSA/BPW 4630	- -		/ /48	216.50					1	3
	Bo. Lawa, Obando, Bulacan	- -									
VLZ-2059	NWSA/BPW 5412	- -		/ /54	218.00					1	3
	Katangalan, Obando, Bulacan	- -									
VLZ-2060	NWSA/BPW 5509	- -		/ /54	212.50				11.10	1	
	Bo. Paco, Obando, Bulacan	- -									
VLZ-2061	NWSA 6514	- -		/ /55	160.10				18.52	1	
	Paliwas, Obando, Bulacan	- -									
VLZ-2062	NWSA/BPW 5513	- -		/ /55	243.60				0.92	1	
	Bo. Panghulo, Obando, Bulacan	- -									
VLZ-2063	NWSA/BPW 19460	- -		/ /58	215.80				11.10	1	
	Bo. Panghulo, Obando, Bulacan	- -									
VLZ-2064	NWSA/BPW 5414	- -		/ /54	228.50				0.92	1	
	Bo. Panghulo, Obando, Bulacan	- -									
VLZ-2065	SMC	- -		/ /	167.00		76.00			4	2
	Valenzuela	- -									
VLZ-2066	SMC	- -		/ /						4	2
	Valenzuela	- -									
VLZ-2067	SMC	- -		/ /						4	2
	Valenzuela	- -									
VLZ-2068	Telecom Training Center	- -		/ /	243.90	15			18.52	2	
	Valenzuela	- -									
VLZ-2069	URATEX	- -		/ /					6.00	7	
	North Diversion Road, Canumay	- -									
VLZ-2070	Filipino Metal Corp.	- -		/ /79	182.88		18.30		6.50	8	
	Valenzuela	- -									
VLZ-2071	FILIPINAS METAL CORPORATION #2	- -		/ /					12.96	8	
	North Diversion Road, Canumay	- -									
VLZ-2072	DENVER BUILDERS SUPPLY	- -		/ /					1.00	3	
	North Diversion Road, Canumay	- -									
VLZ-2073	HOT PAINT PLASTIC CORPORATION	- -		/ /					12.00	8	
	North Diversion Road, Canumay	- -									
VLZ-2074	HOT SPRING MANUFACTURING CORP.	- -		/ /					0.92	8	
	North Diversion Road, Canumay	- -									
VLZ-2075	BSM INC.	- -		/ /					0.50	8	
	North Diversion Road, Valenzuela,	- -									
VLZ-2076	PHILIPPINE INTERNATIONAL FOOTWEAR #1	- -		/ /					2.00	6	
	North Diversion Road, Bagbaguin,	- -									
VLZ-2077	PHILIPPINE INTERNATIONAL FOOTWEAR #2	- -		/ /					1.00	6	
	North Diversion Road, Bagbaguin,	- -									
VLZ-2078	SAMPAGUITA LODGE	- -	Original	/ /					1.85	1	
	North Diversion Road, Bagbaguin,	- -									

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VLZ-2079	CALAMBA METAL CASTING #1	- -		/ /					0.92	8	
	North Diversion Road, Paso de Blas	- -									
VLZ-2080	CALAMBA METAL CASTING #2	- -		/ /					1.85	8	
	North Diversion Road, Paso de Blas	- -									
VLZ-2081	CALAMBA METAL CASTING #3	- -		/ /					0.92	8	
	North Diversion Road, Paso de Blas	- -									
VLZ-2082	DONA MARTINEZ #1	- -		/ /					1.00	1	
	North Diversion Road, Paso de Blas	- -									
VLZ-2083	DONA MARTINEZ #2	- -		/ /					1.00	1	
	North Diversion Road, Paso de Blas	- -									
VLZ-2084	FORTUNE VILLAGE	- -		/ /					1.85	1	
	North Diversion Road, Paso de Blas	- -									
VLZ-2085	PUZON INDUSTRIES	- -		/ /					0.92	8	
	North Diversion Road, Valenzuela	- -									
VLZ-2086	ARMSTRONG INDUSTRIES #2	- -		/ /					1.00	8	
	Panghulo, Obando, Bulacan	- -									
VLZ-2087	BETHEL BIBLE	- -		/ /	228.65	30			2.00	1	
	Karuhatan, Valenzuela, M.M.	- -									
VLZ-2088	Kamaya Laundry	- -		/ /					6.00	3	
	Valenzuela	- -									
VLZ-2089	Pag-asa Pumping Station	- -		/ /					11.10	1	3
	Valenzuela	- -									
VLZ-2090	ALEN ENGINEERING CORPORATION	- -	PIWDC	09/01/88						8	
	694 Paso de Blas, Malinta	- -									
VLZ-2091	Parancillo	- -		/ /78	275.80		80.70			1	3
	Valenzuela	- -									
VLZ-2092		- -		/ /					5.56	1	
	Bo. Onanado, Valenzuela	- -									
VLZ-2093	Patubig Panglalawigan	- -		/ /	137.19				4.36	1	
	Valenzuela	- -									
VLZ-2094	San Diego Apartment	- -		/ /					1.00	1	
	Valenzuela	- -									
VLZ-2095	Arkong Bato	- -		/ /	182.92	15	1.90			1	2
	Valenzuela	- -									
VLZ-2096		- -		/ /						1	3
	Malanday, Valenzuela	- -									
VLZ-2097	Municipal Hall	- -		/ /	213.41				2.00	2	
	Valenzuela	- -									
VLZ-2098	Maloio Waterworks	- -		/ /						1	3
	Valenzuela	- -									
VLZ-2099		- -		/ /					1.85	1	
	Pulo, Valenzuela	- -									
VLZ-2100	Dalandanan Waterworks	- -		/ /						1	3
	Valenzuela	- -									
VLZ-2101	Cosmos	- -		/ /						4	3
	Valenzuela	- -									
VLZ-2102		- -		/ /					9.26	1	
	Hulo, Valenzuela	- -									

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VLZ-2103		- -		/ /					1.92	1	
	Hulo, Valenzuela	- -									
VLZ-2104	La Fortuna	- -		/ /					2.00	1	
	Valenzuela	- -									
VLZ-2105	Anko Foods	- -		/ /80	121.95	7			9.26	4	
	Valenzuela	- -									
VLZ-2106	Pio Elem. School	- -		/ /76	91.46	7				2	3
	Valenzuela	- -									
VLZ-2107	Arkong Bato	- -		/ /	182.92					1	3
	Valenzuela	- -									
VLZ-2108	Pio Elem. School	- -		/ /	60.97	5				2	3
	Valenzuela	- -									
VLZ-2109	Mr. P. Bartolome	- -		/ /65	94.51	5	36.60			1	3
	Valenzuela	- -									
VLZ-2110	Jose Darilag	- -		/ /	94.51	5				1	2
	Valenzuela	- -									
VLZ-2111	Magsaysay Well	- -		/ /	67.07	10				1	3
	Valenzuela	- -									
VLZ-2112		- -		/ /	73.17					1	
	Coloong, Valenzuela	- -									
VLZ-2113	Bagong Lipunan Health Center	- -		/ /78	91.46	5				2	
	Valenzuela	- -									
VLZ-2114	Tubig Pangbayan	- -		/ /	143.29	10			1.20	1	
	Valenzuela	- -									
VLZ-2115	Phil. Umbrella	- -		/ /					1.00	1	
	Valenzuela	- -									
VLZ-2116	Phil. Umbrella	- -		/ /					1.00	1	
	Valenzuela	- -									
VLZ-2117	MERALCO	- -		/ /78	121.95	25	48.80		0.63	1	
	Malanday, Valenzuela, M.M.	- -									
VLZ-2118	Firestone	- -		/ /	91.46	7			1.00	8	
	Valenzuela	- -									
VLZ-2119	Tubig Pangbayan	- -		/ /	85.36				1.00	1	
	T. Manuel Subd., Valenzuela	- -									
VLZ-2120	Growers	- -		/ /		20			7.41	4	
	Valenzuela	- -									
VLZ-2121	Jose Hernandez	- -		/ /	121.95	5				1	
	T. Manuel Subd., Valenzuela	- -									
VLZ-2122	Felix Cadeo	- -		/ /	152.43					1	2
	T. Manuel Subd., Valenzuela	- -									
VLZ-2123	Tubig Pangbayan	- -		/ /	91.46	5				1	2
	Manotoc Subd., Valenzuela	- -									
VLZ-2124	Health Center	- -		/ /	60.97					2	3
	Caloong, Valenzuela	- -									
VLZ-2125	Paxton Hotel	- -		/ /	182.92					3	3
	Valenzuela	- -									
VLZ-2126	Dr. Tan	- -		/ /						1	
	Obando, Valenzuela	- -									

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VLZ-2127	Tubig Pangbayan	- -		/ /	91.46	7	9.35			1	2
	T. Manuel Subd., Valenzuela	- -									
VLZ-2128	FORTUNE VILLAGE	14- 42- 15		/ /						1	
	Fortune Village, Parada, Valenzuela	120- 59- 9									
VLZ-2129	OVERSEA WARP KNITTING, INC.	- -	PIWDC	11/14/86	244.00	25	6.10	114.00	11.30	7	
	R. Lugmoc St.(N.Y. Compound), Bo. Bagbaguin, Malinta, Valenzuela, M.M.	- -									
VLZ-2130	MASSIVE PAPER MILLS, INC. #5	- -	PIWDC	09/01/86	305.00	35	26.10	160.10	15.30	7	
	93 R. Delfin St., Marulas	- -									
VLZ-2131	INTERNATIONAL RECOVERIES, INC. #2	- -	PIWDC	05/06/87	244.00	20	121.11	143.65	10.40	8	
	Canumay, Valenzuela, M.M.	- -									
VLZ-2132	FILIPINO METALS CORPORATION #3	- -	PIWDC	06/01/87	305.00	25	30.50	111.90	13.00	8	
	Canumay, Valenzuela, M.M.	- -									
VLZ-2133	LIBERTY PAPER, INC. #2	- -	PIWDC	09/17/87	244.00	25	19.82	145.34	10.40	7	
	751 Paso de Blas, Valenzuela, M.M.	- -									
VLZ-2134	DIAMOND KNITTING CORPORATION #2	- -	PIWDC	12/17/87	305.00	25	21.35	142.10	10.41	7	
	Doneza St., Balubaran, Valenzuela	- -									
VLZ-2135	FILTEX MANUFACTURING CORP. #4	- -	PIWDC	12/31/87	305.00	25	5.50	126.22	15.26	7	
	Canumay, Valenzuela, M.M.	- -									
VLZ-2136	ATLANTIC KNITTING CORP.	- -		/ /88						7	
	#50 San Francisco St., Karuhatan	- -									
VLZ-2137	PINEDA COMPOUND	- -		/ /88						1	
	Canumay, Valenzuela, Metro Manila	- -									
VLZ-2138	CLOTHMAN KNITTING CORP.	- -	Orbit Wells	09/03/68			9.00	44.92	8.64	7	
	Don Pedro St., Marulas, Valenzuela	- -									
VLZ-2139	TAIPAN WOOD INDUSTRIES CORPORATION	- -	PIWDC	04/12/88	244.00		42.70	91.95	4.60	8	
	69 D. Bonifacio St., Canumay	- -									
VLZ-2140	VANSON PAPER INDUSTRIAL CORP. #4	- -	PIWDC	01/12/83	305.00	25	140.90	152.10	14.80	7	
	R. Delfin St., Marulas, Valenzuela	- -									
VLZ-2141	FRANCO ENTERPRISES, INC.	- -	PIWDC	05/19/88	244.00	20	98.65	148.48	3.60	8	
	Bagbaguin, Valenzuela, M.M.	- -									
VLZ-2142	KENTUCKY MANUFACTURING CORPORATION	- -	PIWDC	05/22/88	244.00	15	29.60	118.20	43.50	8	
	R. Lugmoc St., Malinta, Valenzuela	- -									
VLZ-2143	FILSPIN, INC.	- -	PIWDC	06/13/68	305.00	20	51.83	113.35	13.00	8	
	Canumay, Valenzuela, M.M.	- -									
VLZ-2144	WESTERN FABRICS (PHILS.), INC.	- -	PIWDC	08/01/88	305.00	25	31.13	150.69	9.46	7	
	Poblacion II, Malinta,Valenzuela	- -									
VLZ-2145	LIBERTY PAPER, INC. WELL #3	- -	PIWDC	12/20/88	244.00	25	22.90	154.00	11.40	7	
	751 Paso de Blas, Valenzuela, M.M.	- -									
VLZ-2146	Cotton Textile Finishing Corp.	- -	Hydro	/ /88						7	
	Lingunan, Valenzuela	- -									
VLZ-2147	CMT Apparel Phils. Inc.	- -	Hydro	/ /89	366.00	30				7	
	Bagbaguin, Valenzuela	- -									
VLZ-2148	Phil. Fishing Gear	- -	Hydro	/ /89	244.00	20				7	
	Lawang Bato, Valenzuela	- -									
VLZ-2149	Benny Fernandez	- -	Hydro	/ /89						1	
	Valenzuela	- -									
VLZ-2150	MIXWELL FOOD PRODUCTS,INC. #1	- -	PIWDC	03/01/89	244.00	120	59.45	114.00	4.73	4	
	Lawang Bato, Valenzuela, M.M.	- -									

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VLZ-2151	MONACO MANUFACTURING CORPORATION R. Lugmoc St., Valenzuela, M.M.	- - - -	PIWDC	06/26/89	274.30	25	42.58	118.90	0.75	8	
VLZ-2152	FILTEX MANUFACTURING CORPORATION #5 Canumay, Valenzuela, M.M.	- - - -	PIWDC	10/04/89	305.00	25	48.78	137.80	11.54	7	
VLZ-2153	OVERSEA WARP KNITTING, INC. #2 R. Lugmoc St.(N.Y. Compound) Bagbaguin, Valenzuela, M.M.	- - - -	PIWDC	09/01/89	305.00	25	59.45	150.30	9.91	7	
VLZ-2154	SUNGLOW INDUSTRIES INC., #2 #3 Molina St., Bagbaguin	- - - -	PIWDC	12/01/89	305.00	25	55.45	155.18	5.68	8	
VLZ-2155	Cotton Textile Finishing Corp. Valenzuela	- - - -	Hydro	/ /90	305.00	25				7	1
VLZ-2156	DURABUILT RECAPPING PLANT & COMPANY Bo. Marulas, Valenzuela, M.M.	- - - -	PIWDC	05/25/82	305.00	25	93.90	159.58	15.08	8	
VLZ-2157	FILIPINAS ELECTRO INDUSTRIAL CORP. 341 Malinta, Valenzuela, M.M.	- - - -	PIWDC	09/17/83	244.00	20	49.80	51.70	8.33	6	
VLZ-2158	DURATIRE AND MASSIVE PAPER MILLS 93 R. Delfin St. Marulas	- - - -	PIWDC	11/17/83	308.00	30	93.29	208.80	15.80	7	
VLZ-2159	VANSON PAPER INDUSTRIAL CORP. #6 R. Delfin St., Bo. Marulas	- - - -	PIWDC	02/01/84	305.00	25	144.40	169.40	10.40	7	
VLZ-2160	LIBERTO COTTON MILLS Valenzuela, Metro Manila	- - - -		/ /86						7	
VLZ-2161	SUNRISE TEXTILE MILL CORPORATION I. Fernando St. cor. Bartolome St., Km. 16-17 McArthur Hi-way, Malanday	- - - -	PIWDC	05/01/86	244.00	25	111.79	124.54	12.30	7	
VLZ-2162	STANDARD MANUFACTURING CO., INC. Bo. Canumay, Valenzuela, M.M.	- - - -	PIWDC	09/01/86	183.00	15	42.00	138.10	4.70	8	
VLZ-2163	Costa Villa Lingunan, Valenzuela	14- 43- 20 120- 48- 58		/ /86					3.10	1	1
VLZ-2164	RAMIE TEXTILES INC. BO. BAGBAGUIN, VALENZUELA	14- 42- 46 120- 59- 51	ORBIT WELLS	01/01/85						7	1
VLZ-2165	Fil-Hispano Balubaran, Valenzuela	14- 41- 50 120- 57- 2		/ /58	236.00		78.00		3.28	7	1
VLZ-2166	Mayer Steel Pipe Corp. Lingunan, Valenzuela	14- 42- 59 120- 58- 32		/ /					8.94	8	1
VLZ-2167	Filtex Mfg., Corp. Canumay, Valenzuela	14- 43- 23 120- 59- 5		/ /					15.77	7	1
VLZ-2168	Filtex Mfg., Corp. Canumay, Valenzuela	14- 43- 24 120- 59- 10		/ /					16.40	7	1
VLZ-2169	Filtex Mfg., Corp. Canumay, Valenzuela	14- 43- 23 120- 59- 8		/ /					16.40	7	1
VLZ-2170	Plastimer Ind'l. Corp. T. Santiago, Canumay, Valenzuela	14- 42- 40 120- 58- 50		/ /					2.85	8	1
VLZ-2171	Plastimer Ind'l. Corp. T. Santiago, Canumay, Valenzuela	14- 42- 47 120- 58- 55		/ /					0.95	8	1
VLZ-2172	Nat'l. Paper & Printing Corp. Canumay, Valenzuela	14- 43- 17 120- 59- 11		/ /					0.13	7	1
VLZ-2173	Newton Food Products R. Delfin St., Marulas, Valenzuela	14- 40- 20 120- 59- 00		/ /					17.57	4	1

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
VLZ-2174	METRO INDUSTRIAL GAS CORPORATION	- -	Condrill	/ /74	152.40	15	29.87	48.78	6.30	8	
	Valenzuela, M.M.	- -									
VLZ-2175	ADMACO	- -		/ /78	182.80		17.60	57.10	6.93	8	
	Valenzuela	- -									
VLZ-2176	ALLIED CHEM. INDUSTRIES	- -	Condrill	/ /75	122.00		28.00	42.00	1.89	5	
	Valenzuela, M.M.	- -									
VLZ-2177	Ramie Textile Inc.	14- 42- 46		/ /79	250.00		46.34	124.01	20.63	7	
	Bagbagin, Valenzuela	120- 59- 47									
VLZ-2178	Ramie Textile Inc.	- -		/ /	366.00		86.28	123.48	20.65	7	
		- -									
VLZ-2179	Bethlehem Piggery	- -		/ /75	182.00				0.63	8	
	Valenzuela	- -									
VLZ-2180	Caloong	14- 43- 31		/ /	304.87		62.43	72.17	6.75	1	
	Valenzuela	120- 56- 45									
VLZ-2181	Clothman Knitting Corp.	- -		/ /88	327.00				9.05	7	
	Don Pedro St., Marulas, Valenzuela	- -									
VLZ-2182	Duke Mfg.	- -		/ /77	213.00		106.60			8	
	Valenzuela	- -									
VLZ-2183	Fil-Hispano	- -		/ /76	213.00		122.00	152.00	5.67	8	
	Valenzuela	- -									
VLZ-2184	Fil-Hispano	- -		/ /79	209.00		100.20		6.30	8	
	Valenzuela	- -									
VLZ-2185	Fuji Weld	- -		/ /81	182.00		21.00	84.00	1.26	8	
	Valenzuela	- -									
VLZ-2186	Gami Ind.	- -		/ /	188.00		33.50		37.91	8	
	Valenzuela	- -									
VLZ-2187	Gen. Bank & Trust Co.	- -		/ /75	182.80		18.30			3	
	Valenzuela	- -									
VLZ-2188	Gen. Plywood & Veneer Corp.	- -		/ /79	245.00					8	
	Valenzuela	- -									
VLZ-2189	Hydro-Pipes Inc.	- -		/ /78	182.00		54.00		0.62	8	
	Valenzuela	- -									
VLZ-2190	INDUSTRIAL TIMBER CORPORATION	- -		/ /75	240.00					8	
	Bo. Malanday, Valenzuela, M.M.	- -									
VLZ-2191	Industrial Timber Corp.	- -		/ /75	182.00					8	
	Valenzuela	- -									
VLZ-2192	Interpolymer Corp.	- -		/ /78	304.80				3.20	5	
	Valenzuela	- -									
VLZ-2193	Interpolymer Corp.	- -		/ /79	304.80				7.60	5	
	Valenzuela	- -									
VLZ-2194	Isla	- -		/ /81	305.00		38.41	113.79	8.64	1	
	Valenzuela	- -									
VLZ-2195	JMI-Ice Plant	- -		/ /65	182.00		91.44			8	
	Valenzuela	- -									
VLZ-2196	Joseph Hopkins	- -		/ /65	109.00		21.00	27.46	2.52	1	
	Valenzuela	- -									
VLZ-2197	LIBERTY COTTON MILLS	- -	CONDRILL	02/25/79	243.00		115.80	121.24	4.90	7	
	KARUHATAN, VALENZUELA	- -									

WELL CODE	WELL NAME/ADDRESS	LATITUDE/ LONGITUDE	DRILLER	COMP. DATE	WELL DEPTH (M)	CASING DIA. (CM)	SWL (M)	PWL (M)	YIELD (LPS)	GW USE	STATUS
VLZ-2198	Macortiz	- -		/ /78	121.00		60.00		3.06	1	
	Valenzuela	- -									
VLZ-2199		- -		/ /82	307.93		105.72	133.69	7.51	1	
	Malinta, Valenzuela	- -									
VLZ-2200	Metro Metal Smelting Corp.	- -		/ /63	152.00					1	
	Valenzuela	- -									
VLZ-2201	Mrs. Sopoco	- -		/ /73	91.00		18.90		0.06	1	
	Valenzuela	- -									
VLZ-2202	Sport Complex	- -		/ /78	182.00		24.40		0.03	3	
	Pagasa Subd., Valenzuela	- -									
VLZ-2203	Paramount Vinyl Product	- -		/ /75	237.70		15.40			8	
	Valenzuela	- -									
VLZ-2204	Phil Hino	- -		/ /62	182.00					3	
	Valenzuela	- -									
VLZ-2205	Phil. United Rubber	- -		/ /80	182.88		91.00	124.00	0.66	8	
	Valenzuela	- -									
VLZ-2206	Phoenix	- -		/ /78	152.00		91.40		0.20	8	
	Valenzuela	- -									
VLZ-2207	Roming Handicraft	- -		/ /78	182.00		60.00	140.00	1.60	8	
	Valenzuela	- -									
VLZ-2208	Roming Handicraft	- -		/ /80	182.00		54.00	134.00	1.60	8	
	Valenzuela	- -									
VLZ-2209	Solid Foods Inc.	- -		/ /78	182.80				0.80	4	
	Valenzuela	- -									
VLZ-2210	South Asia Steel	- -		/ /78	182.00					8	
	Valenzuela	- -									
VLZ-2211	South Super Market	- -		/ /81	213.36		41.00	42.00	1.80	1	
	Valenzuela	- -									
VLZ-2212	South Super Market	- -		/ /77	213.00		11.30	14.90	1.80	1	
	Valenzuela	- -									
VLZ-2213	T & K Trading	- -		/ /80	182.80		6.10	25.22	1.30	3	
	Valenzuela	- -									
VLZ-2214		- -		/ /	457.42		94.82		10.41	1	
	Tamaraw Hills, Marulas, Valenzuela	- -									
VLZ-2215	Vanzon Ind. Paper Corp.	- -		/ /80	274.30		85.30	129.12	15.12	7	
	Valenzuela	- -									
VLZ-2216	Woodra Int'l Corp.	- -		/ /81	152.40		54.30	79.20	1.89	8	
	Valenzuela	- -									

CHAPTER 5

COMPUTER OUTPUT OF THE MODELS

GROUNDWATER FLOW MODEL FOR THE ANTIPOLO GROUNDWATER BASIN

SELECTED OUTPUT
FOR THE ANTIPOLO GROUNDWATER BASIN MODEL
USING Q3P PROGRAM

ANTIPOLO NONSTEADY-STATE,10STE

NP =	448
NE =	393
NBAND =	30
IDENT =	1
NSTEPS =	10
NC(1) =	13
NC(2) =	13
DT =	365.
X1 =	250.0
Y1 =	250.0
KQIN =	2
KHOUT =	2
KHIN =	0
KPRI =	1
NWEL =	6
IHO =	1
VIND =	5.0000

IROW =	34
JCOL =	16

NUMBER OF TIME STEP = 30 (FROM 1981 TO 2010)

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
1	5	6	2	1	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	110.00	1
2	6	7	3	2	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	105.00	2
3	10	11	5	4	500.0	0.0	0.050119	0.000000	0.000000	0.000000	108.00	3
4	11	12	6	5	500.0	0.0	0.100000	0.000000	0.000000	0.000000	108.00	4
5	12	13	7	6	500.0	0.0	0.050119	0.000000	0.000000	0.000000	122.00	5
6	13	14	8	7	500.0	0.0	0.050119	0.000000	0.000000	0.000000	126.00	6
7	14	15	9	8	500.0	0.0	0.050119	0.000000	0.000000	0.000000	114.00	7
8	18	19	11	10	75.0	0.0	0.050119	0.000000	0.000000	0.000000	118.00	8
9	19	20	12	11	250.0	0.0	0.050119	0.000000	0.000000	0.000000	111.00	9
10	20	21	13	12	250.0	0.0	0.100000	0.000000	0.000000	0.000000	114.00	10
11	21	22	14	13	250.0	0.0	0.050119	0.000000	0.000000	0.000000	120.00	11
12	22	23	15	14	75.0	0.0	0.050119	0.000000	0.000000	0.000000	122.00	12
13	23	24	16	15	500.0	0.0	0.050119	0.000000	0.000000	0.000000	114.00	13
14	24	25	17	16	500.0	0.0	0.050119	0.000000	0.000000	0.000000	114.00	14
15	27	28	19	18	10.0	0.0	0.050119	0.000000	0.000000	0.000000	142.00	15
16	28	29	20	19	10.0	0.0	0.050119	0.000000	0.000000	0.000000	129.00	16
17	29	30	21	20	250.0	0.0	0.050119	0.000000	0.000000	0.000000	116.00	17
18	30	31	22	21	250.0	0.0	0.100000	0.000000	0.000000	0.000000	123.00	18
19	31	32	23	22	250.0	0.0	0.050119	0.000000	0.000000	0.000000	130.00	19
20	32	33	24	23	75.0	0.0	0.050119	0.000000	0.000000	0.000000	134.00	20
21	33	34	25	24	75.0	0.0	0.050119	0.000000	0.000000	0.000000	122.00	21
22	34	35	26	25	500.0	0.0	0.050119	0.000000	0.000000	0.000000	122.00	22
23	37	38	28	27	75.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	23
24	38	39	29	28	10.0	0.0	0.050119	0.000000	0.000000	0.000000	162.00	24
25	39	40	30	29	75.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	25
26	40	41	31	30	75.0	0.0	0.050119	0.000000	0.000000	0.000000	128.00	26
27	41	42	32	31	250.0	0.0	0.050119	0.000000	0.000000	0.000000	128.00	27
28	42	43	33	32	250.0	0.0	0.050119	0.000000	0.000000	0.000000	131.00	28
29	43	44	34	33	75.0	0.0	0.050119	0.000000	0.000000	0.000000	150.00	29
30	44	45	35	34	75.0	0.0	0.050119	0.000000	0.000000	0.000000	131.00	30
31	45	46	36	35	500.0	0.0	0.050119	0.000000	0.000000	0.000000	126.00	31
32	48	49	38	37	75.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	32
33	49	50	39	38	10.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	33
34	50	51	40	39	10.0	0.0	0.050119	0.000000	0.000000	0.000000	158.00	34
35	51	52	41	40	75.0	0.0	0.050119	0.000000	0.000000	0.000000	144.00	35
36	52	53	42	41	75.0	0.0	0.050119	0.000000	0.000000	0.000000	136.00	36
37	53	54	43	42	250.0	0.0	0.050119	0.000000	0.000000	0.000000	140.00	37
38	54	55	44	43	10.0	0.0	0.050119	0.000000	0.000000	0.000000	156.00	38
39	55	56	45	44	10.0	0.0	0.050119	0.000000	0.000000	0.000000	148.00	39
40	56	57	46	45	10.0	0.0	0.050119	0.000000	0.000000	0.000000	136.00	40
41	57	58	47	46	500.0	0.0	0.050119	0.000000	0.000000	0.000000	142.00	41
42	60	61	49	48	75.0	0.0	0.050119	0.000000	0.000000	0.000000	193.00	42
43	61	62	50	49	75.0	0.0	0.050119	0.000000	0.000000	0.000000	210.00	43
44	62	63	51	50	10.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	44
45	63	64	52	51	10.0	0.0	0.050119	0.000000	0.000000	0.000000	149.00	45
46	64	65	53	52	10.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	46
47	65	66	54	53	250.0	0.0	0.050119	0.000000	0.000000	0.000000	145.00	47
48	66	67	55	54	10.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	48
49	67	68	56	55	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	49
50	68	69	57	56	10.0	0.0	0.050119	0.000000	0.000000	0.000000	154.00	50

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
51	69	70	58	57	10.0	0.0	0.050119	0.000000	0.000000	0.000000	152.00	51
52	70	71	59	58	500.0	0.0	0.050119	0.000000	0.000000	0.000000	154.00	52
53	73	74	61	60	75.0	0.0	0.050119	0.000000	0.000000	0.000000	196.00	53
54	74	75	62	61	75.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	54
55	75	76	63	62	75.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	55
56	76	77	64	63	75.0	0.0	0.050119	0.000000	0.000000	0.000000	187.00	56
57	77	78	65	64	75.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	57
58	78	79	66	65	10.0	0.0	0.050119	0.000000	0.000000	0.000000	158.00	58
59	79	80	67	66	10.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	59
60	80	81	68	67	75.0	0.0	0.050119	0.000000	0.000000	0.000000	204.00	60
61	81	82	69	68	75.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	61
62	82	83	70	69	10.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	62
63	83	84	71	70	500.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	63
64	85	86	73	72	75.0	0.0	0.050119	0.000000	0.000000	0.000000	158.00	64
65	86	87	74	73	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	65
66	87	88	75	74	250.0	0.0	0.050119	0.000000	0.000000	0.000000	171.00	66
67	88	89	76	75	250.0	0.0	0.050119	0.000000	0.000000	0.000000	172.00	67
68	89	90	77	76	250.0	0.0	0.050119	0.000000	0.000000	0.000000	175.00	68
69	90	91	78	77	250.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	69
70	91	92	79	78	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	70
71	92	93	80	79	75.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	71
72	93	94	81	80	75.0	0.0	0.050119	0.000000	0.000000	0.000000	207.00	72
73	94	95	82	81	75.0	0.0	0.050119	0.000000	0.000000	0.000000	213.00	73
74	95	96	83	82	10.0	0.0	0.050119	0.000000	0.000000	0.000000	230.00	74
75	96	97	84	83	500.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	75
76	100	101	86	85	75.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	76
77	101	102	87	86	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	77
78	102	103	88	87	250.0	0.0	0.050119	0.000000	0.000000	0.000000	164.00	78
79	103	104	89	88	75.0	0.0	0.050119	0.000000	0.000000	0.000000	166.00	79
80	104	105	90	89	75.0	0.0	0.050119	0.000000	0.000000	0.000000	178.00	80
81	105	106	91	90	75.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	81
82	106	107	92	91	75.0	0.0	0.050119	0.000000	0.000000	0.000000	191.00	82
83	107	108	93	92	75.0	0.0	0.050119	0.000000	0.000000	0.000000	196.00	83
84	108	109	94	93	75.0	0.0	0.050119	0.000000	0.000000	0.000000	214.00	84
85	109	110	95	94	150.0	0.0	0.050119	0.000000	0.000000	0.000000	222.00	85
86	110	111	96	95	150.0	0.0	0.050119	0.000000	0.000000	0.000000	236.00	86
87	111	112	97	96	10.0	0.0	0.050119	0.000000	0.000000	0.000000	208.00	87
88	112	113	98	97	500.0	0.0	0.050119	0.000000	0.000000	0.000000	177.00	88
89	113	114	99	98	500.0	0.0	0.050119	0.000000	0.000000	0.000000	180.00	89
90	116	117	101	100	75.0	0.0	0.050119	0.000000	0.000000	0.000000	145.00	90
91	117	118	102	101	75.0	0.0	0.050119	0.000000	0.000000	0.000000	166.00	91
92	118	119	103	102	250.0	0.0	0.050119	0.000000	0.000000	0.000000	157.00	92
93	119	120	104	103	75.0	0.0	0.050119	0.000000	0.000000	0.000000	167.00	93
94	120	121	105	104	75.0	0.0	0.050119	0.000000	0.000000	0.000000	176.00	94
95	121	122	106	105	75.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	95
96	122	123	107	106	75.0	0.0	0.050119	0.000000	0.000000	0.000000	208.00	96
97	123	124	108	107	150.0	0.0	0.050119	0.000000	0.000000	0.000000	207.00	97
98	124	125	109	108	150.0	0.0	0.050119	0.000000	0.000000	0.000000	209.00	98
99	125	126	110	109	75.0	0.0	0.050119	0.000000	0.000000	0.000000	223.00	99
100	126	127	111	110	150.0	0.0	0.050119	0.000000	0.000000	0.000000	239.00	100

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
101	127	128	112	111	150.0	0.0	0.050119	0.000000	0.000000	0.000000	246.00	101
102	128	129	113	112	10.0	0.0	0.050119	0.000000	0.000000	0.000000	236.00	102
103	129	130	114	113	500.0	0.0	0.050119	0.000000	0.000000	0.000000	242.00	103
104	131	132	116	115	1000.0	0.0	0.050119	0.000000	0.000000	0.000000	123.00	104
105	132	133	117	116	250.0	0.0	0.100000	0.000000	0.000000	0.000000	125.00	105
106	133	134	118	117	250.0	0.0	0.100000	0.000000	0.000000	0.000000	140.00	106
107	134	135	119	118	250.0	0.0	0.100000	0.000000	0.000000	0.000000	152.00	107
108	135	136	120	119	250.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	108
109	136	137	121	120	75.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	109
110	137	138	122	121	75.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	110
111	138	139	123	122	150.0	0.0	0.050119	0.000000	0.000000	0.000000	194.00	111
112	139	140	124	123	150.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	112
113	140	141	125	124	75.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	113
114	141	142	126	125	75.0	0.0	0.050119	0.000000	0.000000	0.000000	215.00	114
115	142	143	127	126	150.0	0.0	0.050119	0.000000	0.000000	0.000000	228.00	115
116	143	144	128	127	75.0	0.0	0.050119	0.000000	0.000000	0.000000	232.00	116
117	144	145	129	128	10.0	0.0	0.050119	0.000000	0.000000	0.000000	238.00	117
118	145	146	130	129	500.0	0.0	0.050119	0.000000	0.000000	0.000000	225.00	118
119	147	148	132	131	1000.0	0.0	0.050119	0.000000	0.000000	0.000000	156.00	119
120	148	149	133	132	250.0	0.0	0.050119	0.000000	0.000000	0.000000	142.00	120
121	149	150	134	133	250.0	0.0	0.050119	0.000000	0.000000	0.000000	156.00	121
122	150	151	135	134	250.0	0.0	0.100000	0.000000	0.000000	0.000000	157.00	122
123	151	152	136	135	250.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	123
124	152	153	137	136	250.0	0.0	0.050119	0.000000	0.000000	0.000000	169.00	124
125	153	154	138	137	250.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	125
126	154	155	139	138	250.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	126
127	155	156	140	139	150.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	127
128	156	157	141	140	150.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	128
129	157	158	142	141	75.0	0.0	0.050119	0.000000	0.000000	0.000000	202.00	129
130	158	159	143	142	75.0	0.0	0.050119	0.000000	0.000000	0.000000	218.00	130
131	159	160	144	143	150.0	0.0	0.050119	0.000000	0.000000	0.000000	229.00	131
132	160	161	145	144	10.0	0.0	0.050119	0.000000	0.000000	0.000000	239.00	132
133	161	162	146	145	500.0	0.0	0.050119	0.000000	0.000000	0.000000	154.00	133
134	164	165	149	148	250.0	0.0	0.050119	0.000000	0.000000	0.000000	154.00	134
135	165	166	150	149	150.0	0.0	0.050119	0.000000	0.000000	0.000000	162.00	135
136	166	167	151	150	250.0	0.0	0.050119	0.000000	0.000000	0.000000	156.00	136
137	167	168	152	151	250.0	0.0	0.100000	0.000000	0.000000	0.000000	160.00	137
138	168	169	153	152	250.0	0.0	0.100000	0.000000	0.000000	0.000000	163.00	138
139	169	170	154	153	250.0	0.0	0.100000	0.000000	0.000000	0.000000	166.00	139
140	170	171	155	154	250.0	0.0	0.100000	0.000000	0.000000	0.000000	169.00	140
141	171	172	156	155	150.0	0.0	0.050119	0.000000	0.000000	0.000000	176.00	141
142	172	173	157	156	150.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	142
143	173	174	158	157	75.0	0.0	0.050119	0.000000	0.000000	0.000000	193.00	143
144	174	175	159	158	75.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	144
145	175	176	160	159	75.0	0.0	0.050119	0.000000	0.000000	0.000000	221.00	145
146	176	177	161	160	75.0	0.0	0.050119	0.000000	0.000000	0.000000	220.00	146
147	177	178	162	161	10.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	147
148	178	179	163	162	500.0	0.0	0.050119	0.000000	0.000000	0.000000	110.00	148
149	180	181	165	164	250.0	0.0	0.050119	0.000000	0.000000	0.000000	140.00	149
150	181	182	166	165	250.0	0.0	0.050119	0.000000	0.000000	0.000000	152.00	150

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
151	182	183	167	166	150.0	0.0	0.050119	0.000000	0.000000	0.000000	166.00	151
152	183	184	168	167	150.0	0.0	0.050119	0.000000	0.000000	0.000000	167.00	152
153	184	185	169	168	150.0	0.0	0.050119	0.000000	0.000000	0.000000	171.00	153
154	185	186	170	169	150.0	0.0	0.050119	0.000000	0.000000	0.000000	168.00	154
155	186	187	171	170	150.0	0.0	0.050119	0.000000	0.000000	0.000000	169.00	155
156	187	188	172	171	150.0	0.0	0.050119	0.000000	0.000000	0.000000	175.00	156
157	188	189	173	172	150.0	0.0	0.050119	0.000000	0.000000	0.000000	180.00	157
158	189	190	174	173	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	158
159	190	191	175	174	75.0	0.0	0.050119	0.000000	0.000000	0.000000	201.00	159
160	191	192	176	175	75.0	0.0	0.050119	0.000000	0.000000	0.000000	209.00	160
161	192	193	177	176	75.0	0.0	0.050119	0.000000	0.000000	0.000000	212.00	161
162	193	194	178	177	10.0	0.0	0.050119	0.000000	0.000000	0.000000	230.00	162
163	194	195	179	178	500.0	0.0	0.050119	0.000000	0.000000	0.000000	115.00	163
164	196	197	181	180	250.0	0.0	0.050119	0.000000	0.000000	0.000000	150.00	164
165	197	198	182	181	250.0	0.0	0.050119	0.000000	0.000000	0.000000	163.00	165
166	198	199	183	182	250.0	0.0	0.050119	0.000000	0.000000	0.000000	175.00	166
167	199	200	184	183	150.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	167
168	200	201	185	184	150.0	0.0	0.050119	0.000000	0.000000	0.000000	178.00	168
169	201	202	186	185	150.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	169
170	202	203	187	186	150.0	0.0	0.050119	0.000000	0.000000	0.000000	174.00	170
171	203	204	188	187	150.0	0.0	0.050119	0.000000	0.000000	0.000000	177.00	171
172	204	205	189	188	75.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	172
173	205	206	190	189	75.0	0.0	0.050119	0.000000	0.000000	0.000000	191.00	173
174	206	207	191	190	75.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	174
175	207	208	192	191	75.0	0.0	0.050119	0.000000	0.000000	0.000000	201.00	175
176	208	209	193	192	10.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	176
177	209	210	194	193	500.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	177
178	211	212	197	196	250.0	0.0	0.050119	0.000000	0.000000	0.000000	162.00	178
179	212	213	198	197	150.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	179
180	213	214	199	198	250.0	0.0	0.050119	0.000000	0.000000	0.000000	179.00	180
181	214	215	200	199	150.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	181
182	215	216	201	200	150.0	0.0	0.050119	0.000000	0.000000	0.000000	179.00	182
183	216	217	202	201	150.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	183
184	217	218	203	202	150.0	0.0	0.050119	0.000000	0.000000	0.000000	177.00	184
185	218	219	204	203	150.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	185
186	219	220	205	204	150.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	186
187	220	221	206	205	150.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	187
188	221	222	207	206	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	188
189	222	223	208	207	75.0	0.0	0.050119	0.000000	0.000000	0.000000	195.00	189
190	223	224	209	208	500.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	190
191	225	226	212	211	250.0	0.0	0.050119	0.000000	0.000000	0.000000	172.00	191
192	226	227	213	212	150.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	192
193	227	228	214	213	250.0	0.0	0.050119	0.000000	0.000000	0.000000	180.00	193
194	228	229	215	214	150.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	194
195	229	230	216	215	150.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	195
196	230	231	217	216	150.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	196
197	231	232	218	217	150.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	197
198	232	233	219	218	150.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	198
199	233	234	220	219	150.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	199
200	234	235	221	220	150.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	200

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
201	235	236	222	221	75.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	201
202	236	237	223	222	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	202
203	237	238	224	223	500.0	0.0	0.050119	0.000000	0.000000	0.000000	210.00	203
204	240	241	226	225	250.0	0.0	0.050119	0.000000	0.000000	0.000000	180.00	204
205	241	242	227	226	150.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	205
206	242	243	228	227	150.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	206
207	243	244	229	228	250.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	207
208	244	245	230	229	150.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	208
209	245	246	231	230	150.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	209
210	246	247	232	231	150.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	210
211	247	248	233	232	150.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	211
212	248	249	234	233	150.0	0.0	0.050119	0.000000	0.000000	0.000000	196.00	212
213	249	250	235	234	75.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	213
214	250	251	236	235	75.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	214
215	251	252	237	236	75.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	215
216	252	253	238	237	500.0	0.0	0.050119	0.000000	0.000000	0.000000	209.00	216
217	254	255	240	239	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	162.00	217
218	255	256	241	240	250.0	0.0	0.050119	0.000000	0.000000	0.000000	193.00	218
219	256	257	242	241	250.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	219
220	257	258	243	242	75.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	220
221	258	259	244	243	75.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	221
222	259	260	245	244	250.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	222
223	260	261	246	245	250.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	223
224	261	262	247	246	150.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	224
225	262	263	248	247	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	225
226	263	264	249	248	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	226
227	264	265	250	249	75.0	0.0	0.050119	0.000000	0.000000	0.000000	194.00	227
228	265	266	251	250	75.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	228
229	266	267	252	251	75.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	229
230	267	268	253	252	500.0	0.0	0.050119	0.000000	0.000000	0.000000	211.00	230
231	270	271	255	254	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	172.00	231
232	271	272	256	255	250.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	232
233	272	273	257	256	250.0	0.0	0.050119	0.000000	0.000000	0.000000	191.00	233
234	273	274	258	257	75.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	234
235	274	275	259	258	75.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	235
236	275	276	260	259	75.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	236
237	276	277	261	260	150.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	237
238	277	278	262	261	150.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	238
239	278	279	263	262	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	239
240	279	280	264	263	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	240
241	280	281	265	264	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	241
242	281	282	266	265	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	242
243	282	283	267	266	75.0	0.0	0.050119	0.000000	0.000000	0.000000	213.00	243
244	283	284	268	267	10.0	0.0	0.050119	0.000000	0.000000	0.000000	214.00	244
245	284	285	269	268	500.0	0.0	0.050119	0.000000	0.000000	0.000000	150.00	245
246	286	287	271	270	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	152.00	246
247	287	288	272	271	75.0	0.0	0.050119	0.000000	0.000000	0.000000	174.00	247
248	288	289	273	272	250.0	0.0	0.050119	0.000000	0.000000	0.000000	174.00	248
249	289	290	274	273	25.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	249
250	290	291	275	274	25.0	0.0	0.050119	0.000000	0.000000	0.000000	210.00	250

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
251	291	292	276	275	75.0	0.0	0.050119	0.000000	0.000000	0.000000	191.00	251
252	292	293	277	276	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	252
253	293	294	278	277	150.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	253
254	294	295	279	278	150.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	254
255	295	296	280	279	75.0	0.0	0.050119	0.000000	0.000000	0.000000	187.00	255
256	296	297	281	280	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	256
257	297	298	282	281	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	257
258	298	299	283	282	75.0	0.0	0.050119	0.000000	0.000000	0.000000	201.00	258
259	299	300	284	283	10.0	0.0	0.050119	0.000000	0.000000	0.000000	210.00	259
260	300	301	285	284	500.0	0.0	0.050119	0.000000	0.000000	0.000000	180.00	260
261	302	303	288	287	500.0	0.0	0.050119	0.000000	0.000000	0.000000	162.00	261
262	303	304	289	288	10.0	0.0	0.050119	0.000000	0.000000	0.000000	178.00	262
263	304	305	290	289	25.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	263
264	305	306	291	290	25.0	0.0	0.050119	0.000000	0.000000	0.000000	208.00	264
265	306	307	292	291	25.0	0.0	0.050119	0.000000	0.000000	0.000000	212.00	265
266	307	308	293	292	75.0	0.0	0.050119	0.000000	0.000000	0.000000	193.00	266
267	308	309	294	293	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	267
268	309	310	295	294	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	268
269	310	311	296	295	150.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	269
270	311	312	297	296	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	270
271	312	313	298	297	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	271
272	313	314	299	298	75.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	272
273	314	315	300	299	10.0	0.0	0.050119	0.000000	0.000000	0.000000	201.00	273
274	315	316	301	300	500.0	0.0	0.050119	0.000000	0.000000	0.000000	130.00	274
275	317	318	303	302	500.0	0.0	0.050119	0.000000	0.000000	0.000000	171.00	275
276	318	319	304	303	10.0	0.0	0.050119	0.000000	0.000000	0.000000	179.00	276
277	319	320	305	304	25.0	0.0	0.050119	0.000000	0.000000	0.000000	176.00	277
278	320	321	306	305	25.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	278
279	321	322	307	306	25.0	0.0	0.050119	0.000000	0.000000	0.000000	207.00	279
280	322	323	308	307	25.0	0.0	0.050119	0.000000	0.000000	0.000000	218.00	280
281	323	324	309	308	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	281
282	324	325	310	309	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	282
283	325	326	311	310	150.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	283
284	326	327	312	311	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	284
285	327	328	313	312	75.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	285
286	328	329	314	313	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	286
287	329	330	315	314	10.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	287
288	330	331	316	315	500.0	0.0	0.050119	0.000000	0.000000	0.000000	106.00	288
289	333	334	319	318	500.0	0.0	0.050119	0.000000	0.000000	0.000000	158.00	289
290	334	335	320	319	10.0	0.0	0.050119	0.000000	0.000000	0.000000	150.00	290
291	335	336	321	320	25.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	291
292	336	337	322	321	25.0	0.0	0.050119	0.000000	0.000000	0.000000	202.00	292
293	337	338	323	322	25.0	0.0	0.050119	0.000000	0.000000	0.000000	208.00	293
294	338	339	324	323	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	294
295	339	340	325	324	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	295
296	340	341	326	325	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	296
297	341	342	327	326	75.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	297
298	342	343	328	327	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	298
299	343	344	329	328	75.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	299
300	344	345	330	329	75.0	0.0	0.050119	0.000000	0.000000	0.000000	199.00	300

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
301	345	346	331	330	10.0	0.0	0.050119	0.000000	0.000000	0.000000	130.00	301
302	346	347	332	331	500.0	0.0	0.050119	0.000000	0.000000	0.000000	86.00	302
303	348	349	334	333	500.0	0.0	0.050119	0.000000	0.000000	0.000000	153.00	303
304	349	350	335	334	10.0	0.0	0.050119	0.000000	0.000000	0.000000	126.00	304
305	350	351	336	335	25.0	0.0	0.050119	0.000000	0.000000	0.000000	170.00	305
306	351	352	337	336	25.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	306
307	352	353	338	337	25.0	0.0	0.050119	0.000000	0.000000	0.000000	209.00	307
308	353	354	339	338	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	308
309	354	355	340	339	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	309
310	355	356	341	340	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	310
311	356	357	342	341	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	311
312	357	358	343	342	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	312
313	358	359	344	343	75.0	0.0	0.050119	0.000000	0.000000	0.000000	208.00	313
314	359	360	345	344	75.0	0.0	0.050119	0.000000	0.000000	0.000000	204.00	314
315	360	361	346	345	10.0	0.0	0.050119	0.000000	0.000000	0.000000	202.00	315
316	361	362	347	346	500.0	0.0	0.050119	0.000000	0.000000	0.000000	125.00	316
317	363	364	349	348	500.0	0.0	0.050119	0.000000	0.000000	0.000000	114.00	317
318	364	365	350	349	500.0	0.0	0.050119	0.000000	0.000000	0.000000	93.00	318
319	365	366	351	350	10.0	0.0	0.050119	0.000000	0.000000	0.000000	114.00	319
320	366	367	352	351	25.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	320
321	367	368	353	352	75.0	0.0	0.050119	0.000000	0.000000	0.000000	210.00	321
322	368	369	354	353	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	322
323	369	370	355	354	75.0	0.0	0.050119	0.000000	0.000000	0.000000	194.00	323
324	370	371	356	355	75.0	0.0	0.050119	0.000000	0.000000	0.000000	195.00	324
325	371	372	357	356	75.0	0.0	0.050119	0.000000	0.000000	0.000000	206.00	325
326	372	373	358	357	75.0	0.0	0.050119	0.000000	0.000000	0.000000	205.00	326
327	373	374	359	358	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	327
328	374	375	360	359	75.0	0.0	0.050119	0.000000	0.000000	0.000000	196.00	328
329	375	376	361	360	10.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	329
330	376	377	362	361	500.0	0.0	0.050119	0.000000	0.000000	0.000000	126.00	330
331	378	379	366	365	500.0	0.0	0.050119	0.000000	0.000000	0.000000	90.00	331
332	379	380	367	366	10.0	0.0	0.050119	0.000000	0.000000	0.000000	130.00	332
333	380	381	368	367	75.0	0.0	0.050119	0.000000	0.000000	0.000000	193.00	333
334	381	382	369	368	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	334
335	382	383	370	369	75.0	0.0	0.050119	0.000000	0.000000	0.000000	199.00	335
336	383	384	371	370	75.0	0.0	0.050119	0.000000	0.000000	0.000000	198.00	336
337	384	385	372	371	75.0	0.0	0.050119	0.000000	0.000000	0.000000	200.00	337
338	385	386	373	372	75.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	338
339	386	387	374	373	75.0	0.0	0.050119	0.000000	0.000000	0.000000	184.00	339
340	387	388	375	374	75.0	0.0	0.050119	0.000000	0.000000	0.000000	189.00	340
341	388	389	376	375	75.0	0.0	0.050119	0.000000	0.000000	0.000000	152.00	341
342	390	391	379	378	500.0	0.0	0.050119	0.000000	0.000000	0.000000	85.00	342
343	391	392	380	379	10.0	0.0	0.050119	0.000000	0.000000	0.000000	108.00	343
344	392	393	381	380	75.0	0.0	0.050119	0.000000	0.000000	0.000000	174.00	344
345	393	394	382	381	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	345
346	394	395	383	382	75.0	0.0	0.050119	0.000000	0.000000	0.000000	197.00	346
347	395	396	384	383	75.0	0.0	0.050119	0.000000	0.000000	0.000000	204.00	347
348	396	397	385	384	75.0	0.0	0.050119	0.000000	0.000000	0.000000	194.00	348
349	397	398	386	385	75.0	0.0	0.050119	0.000000	0.000000	0.000000	183.00	349
350	398	399	387	386	75.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	350

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
351	399	400	388	387	75.0	0.0	0.050119	0.000000	0.000000	0.000000	169.00	351
352	401	402	391	390	500.0	0.0	0.050119	0.000000	0.000000	0.000000	54.00	352
353	402	403	392	391	10.0	0.0	0.050119	0.000000	0.000000	0.000000	93.00	353
354	403	404	393	392	75.0	0.0	0.050119	0.000000	0.000000	0.000000	166.00	354
355	404	405	394	393	75.0	0.0	0.050119	0.000000	0.000000	0.000000	192.00	355
356	405	406	395	394	75.0	0.0	0.050119	0.000000	0.000000	0.000000	195.00	356
357	406	407	396	395	75.0	0.0	0.050119	0.000000	0.000000	0.000000	188.00	357
358	407	408	397	396	75.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	358
359	408	409	398	397	75.0	0.0	0.050119	0.000000	0.000000	0.000000	185.00	359
360	409	410	399	398	75.0	0.0	0.050119	0.000000	0.000000	0.000000	168.00	360
361	412	413	402	401	500.0	0.0	0.050119	0.000000	0.000000	0.000000	86.00	361
362	413	414	403	402	10.0	0.0	0.050119	0.000000	0.000000	0.000000	125.00	362
363	414	415	404	403	75.0	0.0	0.050119	0.000000	0.000000	0.000000	173.00	363
364	415	416	405	404	75.0	0.0	0.050119	0.000000	0.000000	0.000000	193.00	364
365	416	417	406	405	75.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	365
366	417	418	407	406	75.0	0.0	0.050119	0.000000	0.000000	0.000000	186.00	366
367	418	419	408	407	75.0	0.0	0.050119	0.000000	0.000000	0.000000	180.00	367
368	419	420	409	408	75.0	0.0	0.050119	0.000000	0.000000	0.000000	178.00	368
369	420	421	410	409	75.0	0.0	0.050119	0.000000	0.000000	0.000000	169.00	369
370	421	422	411	410	75.0	0.0	0.050119	0.000000	0.000000	0.000000	160.00	370
371	423	424	414	413	500.0	0.0	0.050119	0.000000	0.000000	0.000000	126.00	371
372	424	425	415	414	10.0	0.0	0.050119	0.000000	0.000000	0.000000	148.00	372
373	425	426	416	415	75.0	0.0	0.050119	0.000000	0.000000	0.000000	168.00	373
374	426	427	417	416	75.0	0.0	0.050119	0.000000	0.000000	0.000000	187.00	374
375	427	428	418	417	75.0	0.0	0.050119	0.000000	0.000000	0.000000	181.00	375
376	428	429	419	418	75.0	0.0	0.050119	0.000000	0.000000	0.000000	182.00	376
377	429	430	420	419	75.0	0.0	0.050119	0.000000	0.000000	0.000000	172.00	377
378	430	431	421	420	75.0	0.0	0.050119	0.000000	0.000000	0.000000	157.00	378
379	431	432	422	421	75.0	0.0	0.050119	0.000000	0.000000	0.000000	152.00	379
380	433	434	424	423	500.0	0.0	0.050119	0.000000	0.000000	0.000000	108.00	380
381	434	435	425	424	500.0	0.0	0.050119	0.000000	0.000000	0.000000	128.00	381
382	435	436	426	425	10.0	0.0	0.050119	0.000000	0.000000	0.000000	140.00	382
383	436	437	427	426	75.0	0.0	0.050119	0.000000	0.000000	0.000000	170.00	383
384	437	438	428	427	75.0	0.0	0.050119	0.000000	0.000000	0.000000	172.00	384
385	438	439	429	428	75.0	0.0	0.050119	0.000000	0.000000	0.000000	176.00	385
386	439	440	430	429	75.0	0.0	0.050119	0.000000	0.000000	0.000000	174.00	386
387	440	441	431	430	75.0	0.0	0.050119	0.000000	0.000000	0.000000	168.00	387
388	442	443	436	435	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	115.00	388
389	443	444	437	436	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	125.00	389
390	444	445	438	437	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	130.00	390
391	445	446	439	438	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	162.00	391
392	446	447	440	439	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	177.00	392
393	447	448	441	440	2000.0	0.0	0.050119	0.000000	0.000000	0.000000	190.00	393

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 1 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			92.4	89.9	89.5	91.1	104.4	106.9										2
3			92.3	93.4	95.1	99.5	104.3	114.4	125.0	126.9								3
4			99.3	98.1	102.9	107.8	113.4	121.2	124.5	133.4	138.7							4
5			139.1	136.1	112.3	113.3	120.2	125.4	131.1	138.3	144.3	149.8						5
6			144.3	143.8	124.1	124.0	127.0	130.7	133.5	141.7	149.4	155.7	161.5					6
7			149.7	150.5	150.7	134.4	132.8	137.7	138.9	166.7	169.5	161.9	166.2	172.1				7
8			152.9	153.2	154.6	156.6	156.4	145.1	143.1	171.8	174.1	177.0	174.1	173.5				8
9		151.0	152.6	154.3	155.7	157.8	159.6	161.6	168.1	173.9	177.3	178.9	178.3	178.0				9
10		148.8	150.2	153.4	154.9	157.9	161.0	164.4	170.6	175.4	180.0	182.1	180.7	183.4	187.6	188.4		10
11		141.2	143.7	151.4	153.0	158.5	163.9	169.0	174.3	177.9	181.0	183.4	185.4	187.0	188.2	189.1		11
12	103.0	116.1	136.1	147.7	153.4	158.5	165.7	171.7	175.6	178.4	181.8	185.8	187.0	188.2	190.8	190.7		12
13	108.0	121.2	135.7	146.9	154.6	160.1	166.8	171.9	175.3	179.1	182.9	186.8	189.2	190.8	192.6	192.5		13
14	140.0	126.1	140.2	149.8	156.5	162.2	167.3	171.9	175.4	179.9	183.1	187.9	190.9	192.5	193.5	194.6	195.8	14
15		146.6	148.6	154.4	158.9	163.7	168.1	172.3	176.2	180.6	183.9	188.9	192.2	194.4	195.7	196.2	196.0	15
16		155.2	156.1	158.7	162.5	166.0	168.8	172.7	177.5	181.1	185.0	189.7	193.3	195.4	197.2	196.9	196.4	16
17		161.4	161.3	162.8	165.0	168.1	170.4	174.0	178.6	182.3	186.3	189.6	193.8	197.2	197.5	197.3		17
18		166.6	166.7	167.2	167.4	169.5	172.5	175.8	179.8	183.2	186.2	189.0	194.0	197.6	197.8			18
19		171.3	171.3	170.2	170.5	172.5	175.1	177.5	180.9	183.9	185.1	187.7	193.8	198.2	198.5			19
20	177.0	176.6	174.8	174.0	173.6	176.4	179.0	180.5	182.9	184.9	185.4	187.1	192.8	199.2	199.3			20
21	177.1	177.1	176.9	177.1	178.9	180.1	181.2	183.4	186.1	187.5	189.7	191.1	194.5	199.4	201.8	203.8		21
22	177.4	177.4	178.2	178.8	181.6	184.4	186.1	187.3	189.2	190.8	193.4	195.9	198.5	200.3	204.4	204.2		22
23	177.5	177.7	178.6	180.2	186.9	188.5	189.2	190.5	191.9	193.6	195.9	198.6	200.9	202.5	205.4	205.4		23
24		178.2	178.2	186.5	188.7	192.2	192.7	192.8	193.4	194.9	196.9	200.2	202.4	203.9	206.4	206.3		24
25		178.1	177.6	177.6	189.8	192.8	194.5	194.6	194.4	195.5	197.8	200.7	203.0	204.7	206.6	207.2	207.6	25
26			176.1	176.3	187.1	189.7	192.8	193.7	194.2	195.7	197.8	200.1	202.4	204.4	205.7	207.7	207.6	26
27			174.8	173.8	173.5	185.3	187.0	189.8	191.7	193.6	195.8	198.2	200.6	202.7	204.3	207.7	207.6	27
28			174.1	173.4	168.7	165.6	183.7	185.2	187.3	189.5	191.9	194.5	197.2	200.0	202.3	207.0	207.6	28
29					162.1	162.6	177.4	178.9	181.0	183.5	186.2	189.1	192.3	196.0	199.8	203.5		29
30					156.9	157.0	169.0	170.4	172.7	175.6	178.8	182.1	185.2	190.1	196.1			30
31					150.4	151.3	157.9	159.0	162.5	165.7	169.6	173.5	177.0	176.6	173.5			31
32					148.5	140.4	135.8	149.2	149.2	153.6	158.4	163.9	168.5	171.3	172.2			32
33						130.6	127.2	124.8	136.5	137.3	144.9	153.5	160.8	166.2	170.9			33
34						127.6	125.1	107.6	106.1	116.3	128.4	143.0	155.3	159.9				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 2 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.8	89.7	89.2	90.7	102.8	105.1										2
3			91.7	92.7	94.2	98.3	102.7	112.1	121.9	123.7								3
4			97.9	96.9	101.3	105.9	111.1	118.3	121.4	129.8	134.8							4
5			134.9	132.0	109.9	110.9	117.3	122.2	127.5	134.5	140.3	145.5						5
6			139.9	139.4	120.8	120.8	123.6	127.1	129.8	137.6	145.2	151.2	156.8					6
7			145.1	145.9	146.2	130.6	129.0	133.7	134.9	161.6	164.4	157.2	161.4	167.0				7
8			148.4	148.7	150.0	152.0	151.7	140.8	138.9	166.6	168.9	171.7	169.0	168.4				8
9		147.0	148.4	150.0	151.4	153.3	154.9	156.9	163.1	168.7	172.0	173.6	173.1	172.8				9
10		145.0	146.3	149.3	150.6	153.4	156.4	159.6	165.6	170.3	174.7	176.8	175.5	178.1	182.3	183.0		10
11		138.2	140.6	147.7	149.1	154.2	159.3	164.1	169.3	172.8	175.7	178.1	180.1	181.6	182.8	183.7		11
12	103.0	115.5	133.9	144.5	149.7	154.4	161.1	166.8	170.6	173.3	176.6	180.4	181.7	182.8	185.4	185.3		12
13	108.0	120.6	133.7	143.9	151.0	156.1	162.4	167.2	170.5	174.1	177.7	181.5	183.8	185.4	187.2	187.0		13
14	140.0	125.3	137.9	146.7	152.8	158.1	162.9	167.3	170.6	174.9	178.0	182.5	185.5	187.0	188.0	189.1	190.3	14
15		143.7	145.5	150.9	155.0	159.5	163.7	167.7	171.4	175.6	178.8	183.6	186.8	189.0	190.1	190.6	190.5	15
16		151.6	152.4	154.7	158.1	161.5	164.3	168.0	172.7	176.1	179.9	184.4	187.8	189.9	191.7	191.3	190.9	16
17		157.3	157.2	158.4	160.2	163.0	165.7	169.3	173.7	177.2	181.1	184.3	188.4	191.7	191.9	191.7		17
18		162.1	162.2	162.5	162.3	164.3	167.9	171.2	175.0	178.1	181.0	183.6	188.5	192.1	192.3			18
19		166.5	166.4	165.3	165.5	167.5	170.4	173.0	176.1	178.8	179.9	182.3	188.3	192.6	192.9			19
20	171.9	171.5	169.8	169.0	168.6	171.4	174.1	175.6	178.0	179.8	180.1	181.7	187.3	193.6	193.8			20
21	172.0	172.0	171.9	172.0	173.7	175.0	176.1	178.3	181.0	182.3	184.3	185.6	188.9	193.9	196.2	198.2		21
22	172.3	172.3	173.1	173.6	176.4	179.2	180.8	182.1	183.9	185.4	188.0	190.4	193.0	194.7	198.8	198.6		22
23	172.4	172.6	173.4	175.0	181.6	183.2	183.9	185.1	186.5	188.2	190.5	193.1	195.4	196.9	199.8	199.8		23
24		173.1	173.1	181.1	183.3	186.8	187.3	187.4	188.0	189.5	191.5	194.6	196.9	198.4	200.8	200.7		24
25		173.0	172.5	172.6	184.4	187.3	189.1	189.2	189.0	190.1	192.3	195.2	197.4	199.2	201.0	201.6	202.1	25
26			171.1	171.3	181.8	184.4	187.4	188.3	188.9	190.3	192.4	194.7	196.9	198.9	200.2	202.1	202.0	26
27			169.9	169.0	168.7	180.1	181.9	184.5	186.5	188.3	190.5	192.8	195.2	197.3	198.9	202.1	202.0	27
28			169.2	168.6	164.1	161.2	178.6	180.2	182.2	184.4	186.8	189.3	192.0	194.7	196.9	201.4	202.0	28
29					157.9	158.4	172.6	174.1	176.2	178.7	181.4	184.2	187.4	190.9	194.6	198.1		29
30					153.0	153.0	164.5	166.0	168.3	171.2	174.3	177.6	180.7	185.3	191.0			30
31					146.9	147.7	154.1	155.1	158.6	161.8	165.7	169.6	173.1	172.8	170.0			31
32					145.1	137.5	133.3	145.9	146.1	150.5	155.3	160.8	165.4	168.1	168.9			32
33						128.4	125.2	123.0	134.3	135.4	143.1	151.7	158.9	163.8	167.7			33
34						125.6	123.3	107.1	105.9	116.2	128.4	142.9	155.2	159.8				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 3 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.4	89.5	89.1	90.3	101.4	103.6										2
3			91.3	92.2	93.6	97.3	101.3	110.0	119.1	120.8								3
4			96.9	96.0	100.0	104.2	109.0	115.7	118.6	126.4	131.1							4
5			130.9	128.2	107.9	108.8	114.8	119.3	124.2	130.8	136.2	141.2						5
6			135.6	135.2	117.9	117.9	120.6	123.8	126.3	133.7	140.8	146.5	151.8					6
7			140.6	141.4	141.6	126.9	125.5	130.0	131.1	156.2	158.8	152.2	156.1	161.5				7
8			143.8	144.1	145.3	147.2	146.9	136.6	134.8	160.9	163.1	165.8	163.4	162.8				8
9		142.9	144.0	145.5	146.7	148.4	149.9	151.7	157.5	162.8	166.0	167.5	167.3	167.0				9
10		141.1	142.3	144.9	146.1	148.6	151.3	154.2	159.9	164.3	168.6	170.6	169.5	172.1	176.0	176.7		10
11		135.2	137.2	143.6	144.8	149.3	154.0	158.5	163.3	166.7	169.5	171.9	173.8	175.4	176.5	177.4		11
12	103.0	114.8	131.5	140.9	145.5	149.7	155.7	160.9	164.5	167.1	170.3	174.1	175.3	176.4	179.0	178.9		12
13	108.0	120.0	131.4	140.4	146.6	151.1	156.7	161.1	164.1	167.6	171.3	175.1	177.4	178.9	180.7	180.6		13
14	140.0	124.2	135.1	142.8	148.2	152.9	157.2	160.8	163.9	168.3	171.5	176.0	179.0	180.5	181.6	182.6	183.7	14
15		140.2	141.7	146.4	150.0	154.0	157.8	161.2	164.6	169.0	172.2	177.0	180.2	182.4	183.6	184.1	183.9	15
16		147.0	147.6	149.5	152.4	155.4	158.3	161.9	166.3	169.6	173.3	177.9	181.3	183.3	185.1	184.8	184.3	16
17		152.0	151.9	152.6	153.5	155.9	159.4	163.2	167.4	170.8	174.6	177.7	181.8	185.0	185.3	185.1		17
18		156.4	156.3	156.2	155.3	157.0	161.4	165.0	168.7	171.7	174.5	177.1	181.9	185.5	185.7			18
19		160.5	160.4	158.9	159.0	160.9	164.0	166.7	169.8	172.4	173.4	175.8	181.7	186.0	186.3			19
20	165.8	165.4	163.7	162.8	162.2	164.9	167.7	169.3	171.7	173.4	173.6	175.1	180.6	186.9	187.1			20
21	165.9	165.9	165.7	165.8	167.4	168.6	169.7	171.9	174.6	175.8	177.8	179.0	182.3	187.2	189.6	191.5		21
22	166.2	166.2	166.9	167.4	170.0	172.8	174.4	175.6	177.5	179.0	181.4	183.9	186.4	188.1	192.1	191.9		22
23	166.3	166.5	167.4	168.8	175.2	176.8	177.4	178.7	180.1	181.8	184.0	186.6	188.8	190.3	193.2	193.2		23
24		167.1	167.1	174.9	177.0	180.4	180.9	181.0	181.6	183.0	185.0	188.1	190.3	191.8	194.1	194.1		24
25		167.1	166.7	166.9	178.2	181.0	182.7	182.9	182.6	183.7	185.9	188.8	191.0	192.7	194.4	195.0	195.5	25
26			165.5	165.8	175.8	178.3	181.2	182.2	182.7	184.2	186.2	188.4	190.6	192.5	193.8	195.6	195.5	26
27			164.4	163.6	163.4	174.3	176.1	178.7	180.6	182.4	184.5	186.8	189.1	191.1	192.6	195.6	195.5	27
28			163.8	163.3	159.2	156.6	173.2	174.7	176.7	178.8	181.2	183.6	186.2	188.8	190.9	195.0	195.5	28
29					153.5	154.0	167.5	169.1	171.1	173.5	176.2	179.0	182.0	185.3	188.7	191.9		29
30					149.0	149.0	160.1	161.5	163.8	166.7	169.8	173.0	176.0	180.3	185.5			30
31					143.4	144.2	150.3	151.4	154.9	158.0	161.9	165.8	169.2	169.2	166.8			31
32					141.7	134.8	130.9	142.8	143.3	147.7	152.6	158.1	162.5	165.1	165.9			32
33						126.4	123.4	121.5	132.4	133.8	141.6	150.2	157.3	161.8	164.9			33
34						123.8	121.7	106.8	105.9	116.1	128.3	142.9	155.1	159.7				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 4 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			93.1	90.2	89.7	91.5	105.7	108.4										2
3			93.1	94.2	95.9	100.6	105.6	116.1	127.0	128.9								3
4			100.9	99.4	104.3	109.4	115.2	123.1	126.4	135.3	140.6							4
5			141.5	138.7	114.2	115.2	122.2	127.5	133.2	140.2	146.0	151.4						5
6			146.6	146.1	126.5	126.3	129.2	132.8	135.7	143.7	151.1	157.0	162.7					6
7			151.6	152.4	152.7	136.8	135.1	139.7	140.9	167.7	170.4	163.1	167.1	172.7				7
8			154.5	154.8	156.0	157.8	157.6	146.8	145.0	172.4	174.6	177.4	174.6	174.1				8
9		152.4	153.9	155.5	156.8	158.7	160.4	162.3	168.4	174.0	177.4	179.0	178.6	178.3				9
10		150.0	151.4	154.3	155.7	158.7	161.6	164.7	170.5	175.1	179.6	181.7	180.8	183.5	187.5	188.2		10
11		142.2	144.6	152.0	153.4	158.7	163.7	168.4	173.3	176.9	180.2	182.9	184.9	186.8	188.0	189.0		11
12	103.0	116.2	136.3	147.8	153.2	158.0	164.6	169.9	173.6	176.7	180.4	184.9	186.4	187.6	190.6	190.5		12
13	108.0	121.2	135.8	146.7	154.0	159.0	164.6	168.9	172.2	176.2	180.6	185.5	188.3	190.0	192.3	192.2		13
14	140.0	126.2	140.1	149.4	155.6	160.6	164.8	167.9	170.4	175.7	180.3	186.2	189.9	191.6	193.2	194.2	195.4	14
15		146.4	148.3	153.8	157.8	162.0	165.7	168.4	171.1	176.4	181.1	187.2	191.1	193.7	195.0	195.7	195.6	15
16		154.8	155.6	157.8	161.0	164.1	167.1	170.6	174.8	178.4	182.7	188.3	192.3	194.6	196.7	196.4	196.0	16
17		160.9	160.7	161.6	162.6	165.2	169.0	172.9	177.1	180.7	185.0	188.5	193.0	196.6	196.9	196.8		17
18		166.0	166.0	165.8	165.0	166.8	171.5	175.2	179.0	182.3	185.3	188.1	193.3	197.1	197.3			18
19		170.8	170.7	169.1	169.2	171.3	174.5	177.4	180.6	183.3	184.5	187.1	193.3	197.7	198.0			19
20	176.9	176.4	174.5	173.5	172.9	175.7	178.6	180.3	182.8	184.6	185.0	186.7	192.3	198.7	198.9			20
21	177.0	177.0	176.7	176.8	178.5	179.7	180.8	183.2	186.0	187.3	189.4	190.8	194.1	199.0	201.5	203.5		21
22	177.3	177.3	178.1	178.6	181.3	184.2	185.9	187.2	189.1	190.6	193.2	195.7	198.3	200.1	204.1	203.9		22
23	177.4	177.6	178.6	180.1	186.9	188.5	189.1	190.4	191.8	193.6	195.9	198.6	200.8	202.4	205.2	205.2		23
24		178.4	178.4	186.7	188.9	192.4	192.8	192.9	193.5	195.0	197.0	200.2	202.4	203.9	206.2	206.1		24
25		178.4	178.0	178.3	190.2	193.1	194.8	194.9	194.6	195.7	198.0	200.9	203.1	204.9	206.5	207.1	207.6	25
26			176.9	177.1	187.8	190.3	193.4	194.3	194.8	196.2	198.3	200.5	202.8	204.6	205.9	207.7	207.6	26
27			175.7	174.8	174.6	186.3	188.1	190.7	192.6	194.4	196.5	198.8	201.2	203.2	204.7	207.7	207.6	27
28			175.0	174.5	169.9	167.1	185.0	186.5	188.5	190.7	193.0	195.5	198.1	200.8	202.9	207.1	207.6	28
29					163.6	164.1	179.0	180.5	182.6	185.0	187.7	190.5	193.6	197.1	200.6	204.0		29
30					158.5	158.6	170.9	172.3	174.6	177.4	180.6	183.8	186.9	191.5	197.2			30
31					152.1	153.0	160.1	161.0	164.6	167.7	171.6	175.5	179.0	178.7	175.8			31
32					150.2	142.0	137.5	151.3	151.2	155.7	160.4	165.9	170.5	173.5	174.4			32
33						132.1	128.5	126.2	138.3	138.8	146.4	155.0	162.3	168.0	173.1			33
34						129.0	126.4	107.9	106.2	116.4	128.5	143.1	155.4	160.0				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 5 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			92.3	89.9	89.4	91.1	104.2	106.7										2
3			92.3	93.3	95.0	99.4	104.1	114.1	124.5	126.4								3
4			99.2	98.0	102.7	107.6	113.2	120.8	124.0	132.7	137.9							4
5			138.6	135.7	112.1	113.1	119.9	125.0	130.6	137.6	143.4	148.7						5
6			143.6	143.2	123.8	123.7	126.6	130.1	132.9	140.9	148.4	154.4	160.0					6
7			148.6	149.3	149.6	133.9	132.2	136.9	138.1	165.0	167.7	160.4	164.4	170.0				7
8			151.4	151.7	152.8	154.6	154.4	143.9	142.1	169.7	171.8	174.6	172.0	171.4				8
9		149.2	150.7	152.2	153.5	155.4	157.1	159.1	165.3	171.0	174.5	176.2	175.9	175.6				9
10		146.9	148.2	151.1	152.5	155.4	158.3	161.4	167.3	172.0	176.6	178.8	178.1	180.8	184.9	185.6		10
11		139.5	141.8	148.8	150.1	155.3	160.3	165.0	169.9	173.6	177.0	179.9	182.1	184.1	185.4	186.4		11
12	103.0	115.6	134.1	144.8	149.8	154.3	161.0	166.3	170.1	173.3	177.2	181.8	183.4	184.8	188.0	187.9		12
13	108.0	120.6	133.6	143.4	150.2	155.3	161.0	165.3	168.6	172.6	177.1	182.4	185.3	187.1	189.8	189.6		13
14	140.0	125.3	137.7	145.9	151.8	157.0	161.2	164.4	166.8	171.9	176.7	182.9	186.9	188.8	190.6	191.7	192.9	14
15		143.7	145.4	150.4	154.2	158.3	161.9	164.7	167.4	172.6	177.5	183.9	188.1	190.9	192.3	193.3	193.1	15
16		151.7	152.4	154.4	157.4	160.3	162.7	166.2	170.9	174.7	179.2	185.1	189.4	191.8	194.2	193.9	193.5	16
17		157.7	157.4	158.2	159.0	161.4	164.6	168.5	173.3	177.2	181.8	185.5	190.2	194.1	194.5	194.3		17
18		162.8	162.8	162.5	161.6	163.3	167.8	171.5	175.5	179.0	182.2	185.2	190.6	194.6	194.9			18
19		167.7	167.6	166.0	166.0	168.0	171.2	174.1	177.4	180.3	181.5	184.3	190.7	195.3	195.6			19
20	174.0	173.5	171.5	170.6	169.8	172.6	175.6	177.4	179.9	181.8	182.2	184.1	189.9	196.4	196.6			20
21	174.1	174.1	173.9	174.0	175.6	176.8	178.0	180.4	183.3	184.7	186.9	188.4	191.8	196.8	199.3	201.4		21
22	174.5	174.5	175.3	175.9	178.6	181.5	183.3	184.6	186.6	188.2	190.9	193.5	196.1	197.9	202.0	201.8		22
23	174.6	174.8	175.9	177.4	184.5	186.0	186.7	188.0	189.5	191.4	193.7	196.4	198.7	200.3	203.2	203.2		23
24		175.7	175.7	184.4	186.6	190.1	190.5	190.6	191.3	192.8	194.9	198.2	200.4	201.9	204.2	204.1		24
25		175.8	175.5	175.8	188.0	191.0	192.7	192.8	192.5	193.6	196.0	198.9	201.2	202.9	204.6	205.2	205.7	25
26			174.3	174.6	185.7	188.2	191.3	192.2	192.7	194.2	196.2	198.6	200.8	202.7	204.0	205.8	205.7	26
27			173.2	172.3	172.1	184.1	185.9	188.6	190.5	192.4	194.5	196.8	199.2	201.3	202.8	205.8	205.7	27
28			172.6	172.0	167.5	164.7	182.8	184.3	186.3	188.5	190.9	193.4	196.1	198.8	200.9	205.2	205.7	28
29					161.2	161.7	176.7	178.3	180.3	182.8	185.5	188.3	191.4	195.0	198.6	202.0		29
30					156.1	156.2	168.5	169.9	172.2	175.1	178.2	181.5	184.6	189.3	195.1			30
31					149.8	150.7	157.6	158.6	162.2	165.3	169.2	173.1	176.6	176.3	173.2			31
32					147.9	140.0	135.5	148.9	148.9	153.4	158.1	163.6	168.2	171.1	172.0			32
33						130.3	126.9	124.6	136.3	137.1	144.8	153.4	160.7	166.0	170.7			33
34						127.3	124.9	107.5	106.0	116.3	128.4	143.0	155.3	159.9				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 6 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			92.8	90.1	89.6	91.4	105.4	108.1										2
3			92.8	93.9	95.6	100.3	105.3	115.9	126.8	128.8								3
4			100.3	99.0	103.9	109.1	114.9	122.9	126.3	135.3	140.7							4
5			141.4	138.5	113.8	114.9	122.0	127.3	133.1	140.4	146.3	151.8						5
6			146.5	146.1	126.2	126.0	129.0	132.7	135.6	143.9	151.5	157.6	163.4					6
7			151.5	152.2	152.4	136.6	134.9	139.7	140.9	168.5	171.3	163.8	167.9	173.6				7
8			154.1	154.4	155.6	157.4	157.2	146.7	145.0	173.2	175.4	178.3	175.5	174.9				8
9		151.4	153.1	154.7	156.0	158.0	159.8	161.9	168.4	174.4	178.0	179.8	179.6	179.2				9
10		149.0	150.3	153.3	154.8	157.9	161.0	164.2	170.3	175.3	180.1	182.4	181.7	184.6	188.7	189.4		10
11		141.0	143.4	150.5	152.0	157.5	162.7	167.7	172.9	176.7	180.4	183.4	185.7	187.9	189.2	190.2		11
12	103.0	115.8	135.0	145.9	151.2	156.0	163.3	168.9	172.9	176.3	180.4	185.3	187.1	188.5	191.9	191.8		12
13	108.0	120.9	134.3	144.1	151.2	156.8	163.0	167.7	171.3	175.5	180.2	185.8	188.9	190.8	193.7	193.6		13
14	140.0	125.6	138.6	146.6	152.8	158.6	163.2	166.7	169.4	174.8	179.9	186.3	190.5	192.5	194.5	195.7	197.0	14
15		144.9	146.7	151.8	155.6	160.0	164.0	167.1	170.0	175.6	180.7	187.4	191.8	194.8	196.3	197.3	197.2	15
16		153.4	154.1	156.2	159.4	162.5	165.2	169.0	173.9	177.8	182.6	188.7	193.2	195.7	198.3	198.0	197.5	16
17		159.8	159.5	160.3	161.4	164.0	167.5	171.6	176.5	180.6	185.4	189.2	194.1	198.2	198.6	198.4		17
18		165.4	165.4	165.2	164.3	166.2	170.9	174.8	179.0	182.6	185.9	189.0	194.7	198.8	199.0			18
19		170.7	170.6	169.0	169.1	171.3	174.6	177.8	181.2	184.1	185.4	188.2	194.8	199.5	199.9			19
20	177.4	176.9	174.8	173.8	173.1	176.1	179.3	181.2	183.9	185.7	186.2	188.2	194.1	200.7	200.9			20
21	177.6	177.6	177.3	177.4	179.2	180.4	181.8	184.3	187.3	188.8	191.1	192.6	196.2	201.1	203.7	205.9		21
22	177.9	177.9	178.8	179.4	182.3	185.4	187.3	188.6	190.7	192.4	195.2	197.9	200.5	202.4	206.5	206.3		22
23	178.1	178.3	179.5	181.0	188.4	190.0	190.8	192.2	193.7	195.7	198.1	200.9	203.2	204.9	207.8	207.8		23
24		179.3	179.3	188.4	190.6	194.4	194.8	194.9	195.6	197.2	199.3	202.7	205.0	206.5	208.8	208.7		24
25		179.4	179.1	179.5	192.2	195.3	197.1	197.2	196.9	198.0	200.4	203.4	205.7	207.5	209.1	209.8	210.3	25
26			178.0	178.3	189.8	192.5	195.7	196.6	197.1	198.6	200.7	203.1	205.4	207.3	208.6	210.4	210.3	26
27			176.9	176.0	175.8	188.2	190.1	192.9	194.8	196.7	198.9	201.2	203.6	205.8	207.4	210.4	210.4	27
28			176.2	175.7	171.0	168.1	186.9	188.4	190.5	192.7	195.1	197.7	200.4	203.2	205.4	209.8	210.4	28
29					164.5	165.0	180.5	182.1	184.2	186.7	189.4	192.3	195.5	199.2	202.9	206.5		29
30					159.2	159.3	172.0	173.5	175.8	178.7	181.9	185.2	188.3	193.2	199.3			30
31					152.6	153.6	160.7	161.7	165.3	168.5	172.3	176.3	179.8	179.4	176.1			31
32					150.6	142.3	137.6	151.6	151.5	155.9	160.6	166.2	170.8	173.8	174.7			32
33						132.2	128.5	126.1	138.2	138.7	146.3	154.9	162.3	168.0	173.3			33
34						129.0	126.4	107.9	106.1	116.3	128.5	143.1	155.3	160.0				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 7 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.7	89.6	89.2	90.6	102.6	104.9										2
3			91.6	92.6	94.1	98.2	102.5	111.8	121.6	123.4								3
4			97.7	96.8	101.1	105.7	110.8	118.0	121.1	129.4	134.3							4
5			134.2	131.5	109.6	110.7	117.0	121.8	127.1	134.0	139.6	144.8						5
6			139.0	138.6	120.5	120.4	123.2	126.6	129.3	137.1	144.5	150.3	155.9					6
7			143.8	144.5	144.8	130.0	128.5	133.0	134.2	160.4	163.1	156.2	160.2	165.7				7
8			146.6	146.9	148.0	149.8	149.6	139.7	138.0	165.0	167.2	170.0	167.6	167.0				8
9		144.7	146.1	147.5	148.8	150.6	152.3	154.2	160.4	166.2	169.8	171.5	171.5	171.2				9
10		142.7	143.8	146.5	147.8	150.6	153.5	156.5	162.4	167.2	171.9	174.2	173.6	176.4	180.4	181.2		10
11		136.1	138.1	144.5	145.7	150.5	155.4	160.1	165.2	168.8	172.3	175.3	177.5	179.7	181.0	181.9		11
12	103.0	114.8	131.6	141.0	145.6	149.8	156.3	161.6	165.5	168.6	172.5	177.2	178.9	180.2	183.6	183.5		12
13	108.0	120.0	131.2	139.7	145.9	150.9	156.6	161.0	164.2	168.2	172.6	177.8	180.8	182.6	185.4	185.3		13
14	140.0	124.3	135.0	142.1	147.5	152.7	157.0	160.3	162.8	167.8	172.4	178.4	182.4	184.3	186.2	187.4	188.7	14
15		140.6	142.1	146.6	150.1	154.1	157.8	160.8	163.6	168.6	173.3	179.5	183.7	186.6	188.0	189.0	188.9	15
16		147.9	148.5	150.4	153.4	156.4	159.0	162.5	167.1	170.7	175.1	180.9	185.1	187.6	190.0	189.7	189.3	16
17		153.6	153.3	154.1	155.3	157.9	161.2	165.1	169.6	173.4	177.8	181.4	186.1	190.1	190.4	190.1		17
18		158.7	158.7	158.6	157.9	160.0	164.7	168.5	172.1	175.3	178.3	181.2	186.6	190.6	190.9			18
19		163.6	163.5	162.1	162.3	164.5	168.2	171.3	174.3	176.7	177.8	180.4	186.8	191.4	191.7			19
20	169.8	169.4	167.4	166.5	166.0	169.0	172.2	174.2	176.7	178.3	178.5	180.3	186.1	192.6	192.7			20
21	169.9	170.0	169.7	169.9	171.7	173.1	174.5	177.0	179.8	181.2	183.3	184.7	188.1	193.0	195.5	197.7		21
22	170.3	170.3	171.1	171.7	174.6	177.7	179.7	181.0	183.0	184.6	187.3	189.9	192.5	194.3	198.4	198.1		22
23	170.4	170.6	171.7	173.2	180.5	182.2	183.0	184.4	185.9	187.7	190.1	192.8	195.1	196.7	199.6	199.6		23
24		171.6	171.6	180.3	182.6	186.3	186.8	187.0	187.6	189.2	191.3	194.6	196.9	198.4	200.6	200.5		24
25		171.6	171.4	171.8	184.1	187.3	189.1	189.1	188.9	190.0	192.3	195.3	197.6	199.3	200.9	201.5	202.1	25
26			170.4	170.6	181.8	184.5	187.6	188.5	189.0	190.5	192.5	194.8	197.1	199.0	200.4	202.2	202.1	26
27			169.3	168.5	168.3	180.3	182.2	184.9	186.7	188.5	190.6	192.9	195.3	197.4	199.0	202.2	202.1	27
28			168.7	168.2	163.8	161.1	179.0	180.5	182.4	184.5	186.8	189.2	191.9	194.7	196.9	201.5	202.1	28
29					157.8	158.3	172.9	174.4	176.3	178.6	181.0	183.6	186.8	190.4	194.3	198.1		29
30					152.9	153.0	164.8	166.2	168.3	170.8	173.4	176.1	179.1	184.1	190.5			30
31					146.9	147.7	154.2	155.2	158.5	161.2	164.2	166.2	169.4	170.5	167.9			31
32					145.0	137.5	133.2	145.8	145.9	149.9	153.9	157.4	161.6	165.8	167.0			32
33						128.4	125.2	123.0	134.1	135.0	142.2	150.3	157.4	162.1	165.8			33
34						125.5	123.3	107.1	105.9	116.2	128.3	142.9	155.1	159.7				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 8 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.9	89.7	89.3	90.7	102.8	105.1										2
3			91.9	92.9	94.3	98.4	102.7	111.9	121.6	123.3								3
4			98.1	97.1	101.4	105.9	111.0	118.0	121.1	129.2	134.1							4
5			133.9	131.3	109.9	110.8	117.1	121.8	127.0	133.7	139.2	144.3						5
6			138.6	138.1	120.6	120.5	123.2	126.6	129.2	136.8	143.9	149.6	155.0					6
7			143.2	143.9	144.2	129.8	128.4	132.8	133.9	159.3	162.0	155.4	159.2	164.6				7
8			145.9	146.2	147.3	149.0	148.8	139.2	137.6	163.7	165.9	168.6	166.4	165.9				8
9		144.2	145.5	146.8	148.0	149.8	151.4	153.3	159.2	164.9	168.4	170.1	170.2	169.9				9
10		142.2	143.3	145.9	147.1	149.7	152.5	155.5	161.2	165.8	170.4	172.7	172.2	175.0	178.9	179.6		10
11		135.8	137.7	143.8	145.0	149.7	154.4	158.9	163.8	167.4	170.8	173.8	175.9	178.1	179.4	180.4		11
12	103.0	114.8	131.2	140.3	144.7	148.9	155.1	160.2	164.0	167.1	171.0	175.6	177.3	178.7	182.0	181.9		12
13	108.0	120.0	130.8	139.0	144.9	149.8	155.2	159.4	162.6	166.5	170.9	176.2	179.1	180.9	183.8	183.7		13
14	140.0	124.1	134.5	141.2	146.4	151.4	155.5	158.5	160.8	165.9	170.6	176.7	180.7	182.6	184.6	185.7	187.0	14
15		139.9	141.4	145.6	148.9	152.8	156.3	158.9	161.5	166.7	171.5	177.8	182.0	184.9	186.3	187.3	187.2	15
16		146.9	147.4	149.2	152.1	154.9	157.4	160.8	165.2	168.8	173.3	179.2	183.4	185.9	188.3	188.1	187.6	16
17		152.5	152.1	152.7	153.8	156.1	159.5	163.2	167.7	171.6	176.0	179.7	184.4	188.4	188.7	188.4		17
18		157.4	157.4	157.2	156.3	158.0	162.3	166.0	170.1	173.5	176.5	179.5	184.9	188.9	189.2			18
19		162.3	162.2	160.6	160.7	162.7	165.7	168.8	172.2	174.9	176.0	178.7	185.1	189.7	190.0			19
20	168.5	168.1	166.1	165.1	164.4	167.3	170.3	172.3	174.8	176.5	176.8	178.6	184.4	190.9	191.0			20
21	168.6	168.7	168.4	168.5	170.2	171.4	172.7	175.1	178.0	179.4	181.6	183.0	186.4	191.2	193.8	196.0		21
22	169.0	169.0	169.8	170.4	173.1	176.1	178.0	179.3	181.3	182.9	185.6	188.2	190.8	192.6	196.6	196.4		22
23	169.1	169.4	170.5	171.9	179.0	180.6	181.4	182.7	184.2	186.1	188.5	191.2	193.4	195.0	197.8	197.8		23
24		170.4	170.4	179.0	181.2	184.8	185.3	185.3	186.0	187.6	189.6	192.9	195.2	196.7	198.9	198.8		24
25		170.4	170.3	170.7	182.8	185.8	187.6	187.6	187.3	188.4	190.7	193.6	195.9	197.6	199.2	199.8	200.4	25
26			169.4	169.6	180.6	183.2	186.2	187.0	187.5	188.9	190.9	193.2	195.4	197.3	198.6	200.4	200.3	26
27			168.4	167.6	167.4	179.2	181.0	183.5	185.3	187.0	189.1	191.3	193.6	195.7	197.3	200.4	200.3	27
28			167.8	167.3	163.1	160.5	177.9	179.3	181.2	183.2	185.3	187.7	190.3	193.0	195.2	199.8	200.3	28
29					157.2	157.7	172.0	173.4	175.2	177.4	179.7	182.2	185.2	188.8	192.6	196.3		29
30					152.5	152.6	164.1	165.4	167.4	169.8	172.2	174.8	177.7	182.6	188.8			30
31					146.6	147.4	153.8	154.7	157.9	160.5	163.4	165.1	168.2	169.4	167.0			31
32					144.8	137.4	133.3	145.7	145.7	149.6	153.4	156.7	160.9	165.0	166.1			32
33						128.4	125.2	123.1	134.2	135.0	142.1	150.1	157.1	161.7	165.1			33
34						125.6	123.4	107.2	106.0	116.2	128.3	142.9	155.1	159.7				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 9 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.8	89.7	89.2	90.6	102.4	104.6										2
3			91.8	92.7	94.1	98.1	102.3	111.3	120.8	122.5								3
4			97.9	96.9	101.0	105.3	110.3	117.2	120.3	128.3	133.0							4
5			133.0	130.4	109.2	110.1	116.1	120.7	125.9	132.7	138.1	143.1						5
6			137.4	137.0	119.5	118.9	121.7	125.2	127.9	135.7	142.8	148.3	153.6					6
7			141.8	142.5	142.5	125.6	125.1	131.2	132.4	157.8	160.4	154.0	157.8	163.0				7
8			144.4	144.6	145.3	145.2	145.0	137.4	136.0	162.0	164.1	166.9	164.8	164.3				8
9		142.8	144.0	145.1	146.1	147.6	149.1	151.0	157.2	163.0	166.5	168.2	168.5	168.2				9
10		140.9	141.9	144.2	145.3	147.7	150.4	153.3	159.1	163.8	168.5	170.7	170.4	173.1	177.0	177.7		10
11		134.7	136.6	142.3	143.4	147.8	152.4	156.8	161.6	165.2	168.8	171.8	174.0	176.2	177.6	178.5		11
12	103.0	114.5	130.3	138.9	143.1	147.0	153.1	158.0	161.7	164.9	168.8	173.5	175.3	176.7	180.1	180.0		12
13	108.0	119.7	129.9	137.5	143.1	147.9	153.1	157.0	160.2	164.1	168.6	174.0	177.0	178.8	181.8	181.7		13
14	140.0	123.7	133.5	139.6	144.6	149.5	153.3	156.0	158.1	163.3	168.2	174.5	178.6	180.5	182.6	183.7	185.0	14
15		138.6	140.0	143.9	147.1	150.8	154.1	156.4	158.8	164.1	169.0	175.5	179.9	182.8	184.2	185.3	185.2	15
16		145.3	145.7	147.4	150.3	153.0	155.4	158.7	162.8	166.4	170.9	176.9	181.2	183.7	186.2	186.0	185.5	16
17		150.7	150.3	150.9	152.0	154.3	157.5	161.1	165.4	169.2	173.7	177.4	182.2	186.2	186.6	186.3		17
18		155.6	155.6	155.3	154.5	156.1	160.2	163.7	167.7	171.1	174.2	177.2	182.7	186.8	187.0			18
19		160.4	160.3	158.8	158.8	160.5	163.4	166.4	169.8	172.5	173.7	176.4	182.9	187.5	187.9			19
20	166.7	166.2	164.2	163.3	162.4	164.8	167.7	169.6	172.2	174.0	174.4	176.4	182.2	188.7	188.9			20
21	166.8	166.8	166.5	166.5	167.7	168.6	169.8	172.3	175.4	176.9	179.2	180.7	184.2	189.1	191.7	193.9		21
22	167.2	167.2	167.9	168.4	170.4	171.9	174.1	176.2	178.6	180.4	183.3	185.9	188.6	190.4	194.5	194.3		22
23	167.3	167.6	168.6	169.9	176.3	175.7	177.3	179.7	181.6	183.6	186.1	188.9	191.3	192.9	195.8	195.8		23
24		168.6	168.6	176.9	178.8	182.0	182.2	182.6	183.5	185.2	187.4	190.7	193.1	194.6	196.8	196.7		24
25		168.7	168.7	169.2	180.7	183.6	185.3	185.3	185.0	186.1	188.5	191.5	193.8	195.6	197.2	197.8	198.3	25
26			167.9	168.1	178.9	181.4	184.3	185.0	185.5	186.9	188.9	191.2	193.5	195.3	196.7	198.4	198.3	26
27			166.9	166.2	166.1	177.6	179.4	181.8	183.6	185.2	187.2	189.5	191.7	193.8	195.4	198.4	198.3	27
28			166.4	165.9	161.9	159.4	176.4	177.8	179.6	181.5	183.7	185.9	188.5	191.2	193.4	197.8	198.3	28
29					156.2	156.7	170.7	172.1	173.9	176.0	178.2	180.7	183.6	187.1	190.9	194.5		29
30					151.6	151.7	163.1	164.4	166.3	168.7	171.0	173.5	176.3	181.1	187.2			30
31					145.8	146.6	153.0	153.9	157.1	159.6	162.4	164.1	167.1	168.4	166.1			31
32					144.1	136.8	132.8	145.0	145.1	149.0	152.7	156.0	160.1	164.2	165.3			32
33						128.0	124.9	122.8	133.8	134.7	141.7	149.8	156.7	161.2	164.3			33
34						125.3	123.1	107.1	105.9	116.2	128.3	142.9	155.1	159.7				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

1

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 10 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			92.1	89.8	89.3	90.8	103.1	105.4										2
3			92.1	93.1	94.5	98.6	102.9	112.2	121.9	123.7								3
4			98.6	97.4	101.7	106.1	111.2	118.3	121.4	129.6	134.4							4
5			134.5	131.9	110.1	111.0	117.2	121.9	127.2	134.1	139.6	144.6						5
6			139.0	138.6	120.7	120.0	122.8	126.4	129.2	137.1	144.2	149.8	155.1					6
7			143.3	143.9	143.8	126.6	126.2	132.5	133.7	159.3	162.0	155.5	159.3	164.5				7
8			145.7	145.9	146.6	146.3	146.1	138.7	137.3	163.6	165.7	168.4	166.3	165.8				8
9		144.0	145.2	146.3	147.2	148.7	150.3	152.2	158.5	164.4	168.0	169.7	170.0	169.7				9
10		142.0	143.0	145.2	146.3	148.8	151.5	154.5	160.3	165.1	169.8	172.1	171.9	174.6	178.5	179.2		10
11		135.6	137.4	143.2	144.3	148.8	153.4	157.9	162.8	166.4	170.0	173.1	175.3	177.7	179.0	179.9		11
12	103.0	114.7	130.8	139.6	143.8	147.8	154.0	158.9	162.7	165.9	170.0	174.8	176.6	178.0	181.6	181.4		12
13	108.0	119.9	130.3	138.1	143.8	148.6	153.8	157.7	161.0	165.0	169.6	175.2	178.3	180.2	183.3	183.1		13
14	140.0	124.0	134.0	140.2	145.2	150.1	154.0	156.6	158.7	164.1	169.2	175.6	179.9	181.8	184.0	185.1	186.4	14
15		139.2	140.7	144.7	147.8	151.5	154.8	156.9	159.3	164.8	170.0	176.7	181.1	184.1	185.6	186.7	186.6	15
16		146.2	146.6	148.2	151.1	153.8	156.1	159.3	163.6	167.2	171.9	178.0	182.4	185.0	187.6	187.4	186.9	16
17		151.6	151.2	151.8	152.9	155.2	158.3	161.9	166.3	170.1	174.7	178.5	183.4	187.5	187.9	187.7		17
18		156.7	156.6	156.3	155.4	157.0	161.0	164.6	168.6	172.1	175.3	178.4	184.0	188.1	188.4			18
19		161.6	161.4	159.8	159.7	161.5	164.3	167.2	170.7	173.5	174.7	177.6	184.1	188.9	189.2			19
20	168.0	167.5	165.4	164.4	163.3	165.8	168.6	170.5	173.1	175.0	175.5	177.5	183.5	190.1	190.2			20
21	168.1	168.1	167.7	167.7	168.7	169.5	170.7	173.2	176.3	177.9	180.4	181.9	185.5	190.5	193.1	195.3		21
22	168.4	168.4	169.2	169.6	171.5	172.8	175.0	177.2	179.6	181.5	184.5	187.2	189.9	191.8	196.0	195.7		22
23	168.6	168.8	170.0	171.2	177.4	176.6	178.2	180.7	182.7	184.8	187.4	190.3	192.7	194.3	197.2	197.2		23
24		170.0	170.0	178.3	180.0	183.1	183.3	183.7	184.7	186.5	188.7	192.1	194.5	196.0	198.3	198.2		24
25		170.1	170.1	170.7	182.1	185.0	186.6	186.6	186.3	187.5	189.9	193.0	195.3	197.1	198.6	199.3	199.9	25
26			169.4	169.6	180.5	182.9	185.9	186.5	187.0	188.4	190.4	192.7	195.0	196.9	198.2	200.0	199.9	26
27			168.5	167.8	167.7	179.3	181.1	183.5	185.2	186.8	188.8	191.1	193.4	195.4	197.0	200.0	199.9	27
28			168.0	167.5	163.5	161.0	178.1	179.5	181.3	183.2	185.3	187.6	190.2	192.8	195.0	199.3	199.9	28
29					157.8	158.2	172.5	173.9	175.6	177.7	179.9	182.3	185.3	188.8	192.5	196.1		29
30					153.1	153.2	164.8	166.1	168.0	170.4	172.7	175.2	177.9	182.7	188.8			30
31					147.2	148.1	154.6	155.5	158.7	161.2	164.0	165.6	168.7	169.9	167.6			31
32					145.4	138.0	133.9	146.5	146.4	150.3	154.0	157.3	161.4	165.6	166.7			32
33						129.0	125.7	123.6	134.8	135.5	142.6	150.6	157.5	162.2	165.7			33
34						126.2	123.9	107.3	106.0	116.2	128.4	142.9	155.2	159.8				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 11 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.4	89.5	89.0	90.3	101.2	103.2										2
3			91.3	92.2	93.5	97.2	101.0	109.5	118.3	119.9								3
4			96.9	96.0	99.8	103.8	108.4	114.9	117.9	125.4	129.9							4
5			129.6	127.2	107.3	108.2	113.8	118.1	123.0	129.6	134.8	139.5						5
6			133.7	133.3	116.8	116.2	118.8	122.2	124.8	132.4	139.2	144.5	149.5					6
7			137.7	138.3	138.1	122.0	121.7	127.8	128.9	153.2	155.8	149.8	153.4	158.3				7
8			140.0	140.1	140.6	140.2	140.0	133.4	132.3	157.1	159.1	161.8	160.0	159.5				8
9		138.5	139.5	140.4	141.1	142.4	143.8	145.5	151.5	157.4	161.1	162.8	163.5	163.2				9
10		136.8	137.6	139.4	140.3	142.4	144.9	147.6	152.9	157.7	162.4	164.8	165.1	167.9	171.6	172.3		10
11		131.2	132.8	137.4	138.3	142.0	146.1	150.1	154.5	158.2	162.1	165.7	168.0	170.7	172.1	173.0		11
12	103.0	113.7	127.2	134.2	137.5	140.7	145.9	150.0	153.5	157.0	161.5	167.0	169.0	170.7	174.5	174.4		12
13	108.0	118.9	126.7	132.6	137.0	140.8	144.6	147.8	150.4	154.5	160.2	167.0	170.5	172.5	176.2	176.0		13
14	140:0	122.3	129.6	134.0	137.8	141.6	144.1	145.9	147.5	153.0	159.3	166.9	171.8	174.1	176.8	177.9	179.1	14
15		133.7	134.7	137.6	139.9	142.4	144.3	145.7	148.1	154.1	159.8	167.7	172.8	176.3	178.0	179.4	179.3	15
16		139.1	139.1	140.2	142.2	143.7	144.8	147.4	152.1	156.3	161.7	168.8	174.0	177.0	180.0	179.9	179.6	16
17		143.6	143.0	142.9	143.3	144.2	145.5	148.7	154.1	158.8	164.4	169.0	174.8	179.6	180.2	180.2		17
18		148.2	148.0	146.9	145.3	145.4	147.8	150.3	155.4	160.4	164.7	168.6	175.4	180.3	180.5			18
19		152.9	152.6	150.1	149.1	149.8	151.1	152.9	156.9	161.5	164.0	167.9	175.6	181.0	181.4			19
20	159.6	159.1	156.6	154.9	152.5	153.8	155.0	155.8	159.2	162.8	164.8	168.2	175.0	182.3	182.5			20
21	159.8	159.8	159.1	158.8	158.6	157.5	157.3	158.7	162.5	165.9	170.1	172.9	177.2	182.7	185.6	188.0		21
22	160.2	160.2	160.8	161.1	161.7	161.8	163.0	164.5	167.3	170.3	174.8	178.5	181.8	184.0	188.8	188.5		22
23	160.3	160.7	161.9	162.9	168.7	166.5	167.2	169.8	172.1	174.9	178.3	181.9	184.8	186.7	190.1	190.1		23
24		162.3	162.3	170.7	172.1	174.7	173.8	174.0	175.3	177.5	180.1	184.2	187.0	188.7	191.4	191.2		24
25		162.5	162.9	163.9	174.9	177.5	178.7	178.4	178.0	179.2	181.9	185.5	188.1	190.2	191.8	192.5	193.2	25
26			162.8	162.9	173.8	176.1	178.9	179.3	179.6	181.1	183.3	185.8	188.2	190.2	191.6	193.3	193.2	26
27			162.1	161.5	161.6	173.0	174.8	177.0	178.6	180.2	182.3	184.6	186.9	189.1	190.6	193.4	193.3	27
28			161.7	161.3	157.8	155.6	172.2	173.5	175.3	177.2	179.3	181.6	184.1	186.7	188.8	192.8	193.3	28
29					152.7	153.1	167.0	168.4	170.1	172.1	174.4	176.7	179.6	183.0	186.5	189.9		29
30					148.4	148.5	159.8	161.1	163.0	165.3	167.6	170.1	172.9	177.4	183.1			30
31					143.0	143.8	150.2	151.2	154.3	156.8	159.6	161.3	164.3	165.7	163.7			31
32					141.4	134.6	130.9	142.8	142.9	146.8	150.6	153.9	157.9	162.0	163.1			32
33						126.4	123.4	121.5	132.3	133.4	140.5	148.5	155.4	159.5	162.2			33
34						123.8	121.7	106.8	105.9	116.1	128.3	142.8	155.0	159.7				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 12 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			91.0	89.3	88.9	90.0	99.9	101.8										2
3			91.0	91.8	93.0	96.3	99.8	107.5	115.6	117.1								3
4			96.1	95.2	98.7	102.3	106.5	112.5	115.2	122.2	126.3							4
5			125.8	123.5	105.5	106.3	111.4	115.3	119.9	126.0	130.8	135.1						5
6			129.5	129.2	114.1	113.5	116.0	119.1	121.4	128.5	134.9	139.7	144.4					6
7			133.1	133.6	133.4	118.5	118.4	124.1	125.1	147.6	149.9	144.7	147.9	152.5				7
8			135.1	135.2	135.6	134.9	134.7	129.1	128.1	151.0	152.8	155.4	154.0	153.5				8
9		133.9	134.7	135.3	135.9	137.0	138.2	139.8	145.2	150.9	154.4	156.2	157.1	156.9				9
10		132.5	133.1	134.4	135.1	136.9	139.1	141.5	146.3	150.8	155.5	157.8	158.6	161.2	164.6	165.3		10
11		127.8	129.0	132.6	133.3	136.4	139.9	143.4	147.5	150.9	154.9	158.6	160.8	163.7	165.1	166.0		11
12	103.0	112.9	124.3	129.8	132.4	134.9	139.4	142.8	146.0	149.5	154.0	159.5	161.7	163.4	167.4	167.3		12
13	108.0	118.2	123.9	128.2	131.6	134.6	137.6	140.3	142.7	146.6	152.3	159.3	162.9	164.8	168.9	168.8		13
14	140.0	121.1	126.2	129.2	132.1	135.1	136.9	138.2	139.5	144.9	151.1	158.9	164.0	166.4	169.5	170.5	171.6	14
15		129.4	130.1	132.1	133.7	135.5	136.8	137.7	139.9	145.7	151.5	159.4	164.8	168.5	170.2	171.9	171.7	15
16		133.5	133.3	133.9	135.3	136.3	136.8	139.1	143.5	147.7	153.2	160.4	165.8	169.0	172.3	172.2	172.0	16
17		137.2	136.4	136.0	136.0	136.3	137.1	140.0	145.2	149.9	155.5	160.3	166.5	171.6	172.4	172.4		17
18		141.1	140.8	139.4	137.5	137.1	139.0	141.3	146.3	151.3	155.8	159.9	167.0	172.3	172.6			18
19		145.5	145.1	142.3	140.9	141.2	142.2	143.6	147.6	152.2	154.9	159.1	167.2	173.0	173.4			19
20	152.0	151.4	148.9	147.0	144.1	145.0	145.9	146.5	149.8	153.5	155.7	159.5	166.7	174.4	174.5			20
21	152.1	152.1	151.3	150.8	150.1	148.5	148.1	149.3	153.2	156.7	161.2	164.3	168.9	174.8	177.9	180.4		21
22	152.6	152.6	153.0	153.2	153.2	152.9	153.9	155.3	158.2	161.4	166.1	170.1	173.7	176.0	181.3	181.0		22
23	152.7	153.1	154.4	155.1	160.5	157.7	158.2	160.9	163.3	166.3	170.0	173.8	176.9	178.9	182.8	182.8		23
24		155.0	155.0	163.2	164.4	166.5	165.3	165.4	166.9	169.3	172.0	176.4	179.4	181.2	184.1	184.0		24
25		155.4	156.1	157.3	167.6	170.0	171.0	170.6	170.1	171.4	174.3	178.1	180.9	183.1	184.6	185.4	186.2	25
26			156.5	156.6	167.2	169.4	172.0	172.2	172.6	174.0	176.3	178.9	181.4	183.5	184.9	186.4	186.3	26
27			156.0	155.6	155.8	166.9	168.8	170.8	172.2	173.8	175.9	178.2	180.6	182.7	184.2	186.6	186.5	27
28			155.8	155.5	152.5	150.8	166.6	167.9	169.6	171.4	173.5	175.8	178.3	180.8	182.8	186.2	186.5	28
29					148.1	148.5	162.0	163.4	165.1	167.1	169.3	171.6	174.4	177.6	180.7	183.7		29
30					144.3	144.4	155.5	156.8	158.7	161.0	163.3	165.8	168.4	172.6	177.7			30
31					139.5	140.2	146.8	147.7	150.8	153.4	156.2	157.8	160.7	162.4	160.9			31
32					138.0	131.9	128.7	140.0	140.4	144.3	148.2	151.4	155.4	159.4	160.5			32
33						124.5	121.8	120.1	130.6	132.0	139.2	147.2	154.0	157.8	159.7			33
34						122.1	120.2	106.4	105.8	116.0	128.2	142.8	155.0	159.6				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 13 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			90.8	89.2	88.8	89.7	99.0	100.7										2
3			90.8	91.5	92.6	95.6	98.8	106.0	113.4	114.8								3
4			95.5	94.7	97.8	101.2	105.0	110.5	113.0	119.4	123.2							4
5			122.7	120.7	104.1	104.8	109.5	113.1	117.3	122.9	127.3	131.3						5
6			126.1	125.8	112.0	111.4	113.6	116.5	118.7	125.3	131.1	135.5	139.8					6
7			129.3	129.7	129.5	115.7	115.7	121.1	122.0	142.5	144.7	140.1	143.0	147.1				7
8			131.1	131.1	131.4	130.5	130.2	125.5	124.7	145.5	147.2	149.6	148.5	148.1				8
9		130.2	130.8	131.2	131.6	132.5	133.5	134.9	139.7	145.1	148.5	150.2	151.3	151.1				9
10		128.9	129.4	130.3	130.9	132.4	134.3	136.4	140.6	144.8	149.3	151.5	152.5	155.0	158.1	158.8		10
11		125.0	125.9	128.7	129.2	131.7	134.7	137.8	141.4	144.6	148.5	152.2	154.3	157.2	158.6	159.4		11
12	103.0	112.3	122.0	126.2	128.2	130.2	134.0	136.8	139.8	143.1	147.5	152.9	155.0	156.7	160.7	160.6		12
13	108.0	117.7	121.6	124.7	127.2	129.7	132.0	134.2	136.4	140.1	145.6	152.5	156.0	157.9	162.1	161.9		13
14	140.0	120.1	123.5	125.4	127.4	129.9	131.2	132.0	133.1	138.2	144.2	151.8	156.9	159.3	162.5	163.5	164.5	14
15		125.9	126.4	127.6	128.7	130.1	130.9	131.4	133.3	138.8	144.4	152.2	157.5	161.2	163.0	164.7	164.6	15
16		128.9	128.7	128.9	129.9	130.4	130.5	132.4	136.6	140.6	145.9	153.0	158.4	161.7	164.9	165.0	164.9	16
17		131.9	131.1	130.5	130.1	130.0	130.5	133.1	138.1	142.6	148.1	152.8	159.0	164.2	165.0	165.1		17
18		135.3	135.0	133.3	131.3	130.5	132.1	134.1	138.9	143.8	148.2	152.3	159.4	164.8	165.1			18
19		139.3	138.9	135.9	134.3	134.3	135.0	136.3	140.1	144.7	147.3	151.5	159.6	165.5	166.0			19
20	145.4	144.9	142.4	140.4	137.3	137.9	138.6	139.1	142.3	145.9	148.0	151.8	159.1	166.9	167.1			20
21	145.6	145.6	144.7	144.1	143.1	141.2	140.7	141.8	145.6	149.0	153.5	156.6	161.4	167.3	170.5	173.2		21
22	146.1	146.0	146.4	146.5	146.1	145.5	146.3	147.8	150.6	153.8	158.5	162.6	166.2	168.5	174.1	173.8		22
23	146.2	146.6	147.9	148.4	153.3	150.2	150.7	153.4	155.9	158.9	162.6	166.4	169.6	171.6	175.7	175.7		23
24		148.7	148.6	156.4	157.4	159.3	157.9	158.0	159.6	162.1	164.8	169.2	172.3	174.1	177.1	177.0		24
25		149.1	150.1	151.5	160.9	163.2	164.1	163.6	163.1	164.4	167.4	171.3	174.1	176.3	177.7	178.6	179.5	25
26			150.9	150.9	161.1	163.2	165.6	165.8	166.1	167.5	169.8	172.5	175.0	177.0	178.4	179.7	179.6	26
27			150.6	150.3	150.7	161.2	163.2	165.1	166.4	168.0	170.0	172.3	174.6	176.6	178.1	179.9	179.9	27
28			150.5	150.3	147.8	146.5	161.5	162.8	164.4	166.2	168.2	170.4	172.8	175.2	177.0	179.7	180.0	28
29					144.1	144.4	157.6	158.9	160.6	162.5	164.7	166.9	169.5	172.5	175.2	177.8		29
30					140.7	140.8	151.8	153.0	154.9	157.2	159.5	161.9	164.4	168.1	172.7			30
31					136.4	137.1	143.7	144.7	147.8	150.4	153.2	154.7	157.6	159.5	158.5			31
32					135.1	129.6	126.7	137.7	138.2	142.2	146.1	149.3	153.3	157.2	158.3			32
33						122.9	120.3	118.9	129.2	130.9	138.1	146.1	152.9	156.3	157.7			33
34						120.7	119.0	106.2	105.7	116.0	128.2	142.7	154.9	159.6				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

1

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 14 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			90.6	89.1	88.7	89.5	98.1	99.8										2
3			90.6	91.2	92.2	95.0	98.0	104.6	111.5	112.8								3
4			95.0	94.2	97.1	100.2	103.8	108.9	111.2	117.0	120.6							4
5			120.2	118.3	102.9	103.6	107.9	111.2	115.1	120.3	124.3	128.0						5
6			123.3	123.0	110.3	109.6	111.7	114.3	116.3	122.4	127.8	131.8	135.7					6
7			126.2	126.5	126.3	113.4	113.4	118.5	119.3	138.2	140.2	136.0	138.6	142.3				7
8			127.8	127.8	127.9	126.8	126.5	122.5	121.8	140.8	142.2	144.5	143.6	143.2				8
9		127.1	127.6	127.8	128.0	128.7	129.5	130.8	135.0	140.0	143.3	145.0	146.1	145.9				9
10		126.0	126.4	127.0	127.3	128.6	130.2	132.0	135.8	139.6	143.9	146.0	147.2	149.4	152.3	152.9		10
11		122.6	123.3	125.5	125.8	127.8	130.4	133.1	136.3	139.3	143.0	146.5	148.6	151.4	152.7	153.4		11
12	103.0	111.8	120.0	123.3	124.8	126.3	129.5	131.9	134.5	137.7	141.9	147.0	149.1	150.8	154.7	154.6		12
13	108.0	117.2	119.7	121.8	123.6	125.6	127.3	129.1	131.0	134.5	139.8	146.5	149.9	151.7	155.9	155.8		13
14	140.0	119.3	121.2	122.2	123.6	125.5	126.4	126.8	127.7	132.5	138.4	145.7	150.7	153.0	156.3	157.2	158.1	14
15		123.0	123.3	124.0	124.6	125.5	125.9	126.1	127.7	132.9	138.4	145.9	151.1	154.8	156.5	158.3	158.1	15
16		125.2	124.8	124.7	125.3	125.5	125.2	126.9	130.8	134.6	139.7	146.6	151.9	155.1	158.3	158.4	158.4	16
17		127.5	126.7	125.9	125.3	124.8	125.0	127.3	132.1	136.4	141.7	146.3	152.4	157.5	158.4	158.5		17
18		130.5	130.1	128.3	126.1	125.0	126.4	128.2	132.8	137.5	141.7	145.7	152.7	158.1	158.4			18
19		134.1	133.6	130.6	128.8	128.6	129.1	130.2	133.8	138.2	140.7	144.8	152.9	158.8	159.2			19
20	139.9	139.4	136.9	134.8	131.6	132.0	132.4	132.8	135.9	139.3	141.4	145.1	152.3	160.2	160.4			20
21	140.1	140.0	139.1	138.5	137.1	135.1	134.5	135.5	139.1	142.5	146.9	149.9	154.6	160.6	163.8	166.6		21
22	140.5	140.5	140.7	140.9	140.1	139.2	140.0	141.3	144.1	147.2	151.9	155.9	159.5	161.8	167.5	167.2		22
23	140.7	141.1	142.4	142.7	147.1	143.8	144.3	146.9	149.4	152.4	156.1	159.8	162.9	165.0	169.1	169.1		23
24		143.3	143.2	150.5	151.4	153.0	151.5	151.6	153.3	155.7	158.5	162.8	165.8	167.6	170.7	170.5		24
25		143.7	144.9	146.5	155.1	157.1	158.0	157.5	157.0	158.2	161.2	165.1	167.9	170.2	171.3	172.2	173.2	25
26			146.0	146.0	155.6	157.6	160.0	160.1	160.4	161.8	164.0	166.6	169.1	171.1	172.4	173.5	173.3	26
27			145.9	145.7	146.1	156.2	158.3	160.0	161.2	162.7	164.7	166.9	169.1	171.0	172.4	173.8	173.7	27
28			145.8	145.7	143.7	142.8	157.0	158.2	159.8	161.5	163.4	165.6	167.8	170.0	171.6	173.6	173.8	28
29					140.5	140.8	153.6	154.9	156.5	158.4	160.5	162.7	165.1	167.7	170.1	172.3		29
30					137.6	137.6	148.4	149.7	151.6	153.8	156.0	158.3	160.7	164.1	168.0			30
31					133.7	134.3	141.1	142.1	145.1	147.7	150.5	152.0	154.8	156.9	156.4			31
32					132.5	127.5	125.1	135.6	136.3	140.3	144.2	147.4	151.3	155.3	156.3			32
33						121.4	119.1	117.9	128.0	129.9	137.1	145.1	151.8	155.0	155.9			33
34						119.4	117.8	105.9	105.7	116.0	128.1	142.7	154.9	159.5				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

1

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 15 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			90.4	89.0	88.6	89.4	97.4	98.9										2
3			90.4	91.0	91.9	94.5	97.3	103.5	109.9	111.1								3
4			94.6	93.8	96.5	99.4	102.7	107.4	109.5	115.0	118.2							4
5			118.1	116.4	101.9	102.5	106.5	109.6	113.2	118.0	121.7	125.1						5
6			120.9	120.7	108.8	108.1	110.0	112.5	114.3	120.0	124.9	128.6	132.1					6
7			123.6	123.9	123.6	111.4	111.5	116.3	117.1	134.3	136.2	132.4	134.8	138.1				7
8			125.0	125.0	125.0	123.7	123.4	119.9	119.3	136.6	137.9	140.1	139.3	138.9				8
9		124.5	124.8	124.9	125.0	125.5	126.2	127.3	131.0	135.7	138.8	140.4	141.6	141.3				9
10		123.6	123.8	124.1	124.3	125.4	126.8	128.3	131.6	135.1	139.2	141.2	142.4	144.6	147.1	147.7		10
11		120.7	121.2	122.8	122.9	124.5	126.8	129.1	131.9	134.6	138.2	141.6	143.5	146.3	147.5	148.2		11
12	103.0	111.3	118.4	120.8	121.8	123.0	125.7	127.6	130.0	133.0	137.0	141.9	144.0	145.5	149.3	149.2		12
13	108.0	116.8	118.2	119.4	120.6	122.1	123.3	124.8	126.5	129.7	134.8	141.3	144.6	146.3	150.4	150.3		13
14	140.0	118.6	119.3	119.5	120.4	121.8	122.3	122.4	123.0	127.6	133.3	140.4	145.2	147.4	150.7	151.6	152.3	14
15		120.6	120.7	120.9	121.2	121.6	121.7	121.6	122.9	127.9	133.2	140.5	145.5	149.0	150.8	152.5	152.4	15
16		122.0	121.5	121.2	121.5	121.4	120.8	122.2	125.8	129.5	134.4	141.0	146.1	149.3	152.5	152.6	152.6	16
17		123.8	123.0	122.0	121.2	120.4	120.3	122.4	127.0	131.0	136.1	140.6	146.6	151.6	152.4	152.6		17
18		126.4	125.9	124.0	121.7	120.4	121.5	123.1	127.4	132.0	136.1	139.9	146.8	152.2	152.4			18
19		129.6	129.2	126.0	124.1	123.7	124.0	124.9	128.4	132.6	135.0	139.0	146.9	152.8	153.2			19
20	135.2	134.7	132.2	130.1	126.7	126.9	127.2	127.4	130.3	133.7	135.6	139.2	146.3	154.2	154.4			20
21	135.3	135.3	134.4	133.7	132.1	129.9	129.2	130.0	133.5	136.8	141.0	144.0	148.6	154.6	157.9	160.6		21
22	135.8	135.7	135.9	136.0	134.9	133.8	134.4	135.8	138.5	141.5	146.0	149.9	153.5	155.8	161.5	161.2		22
23	135.9	136.4	137.6	137.8	141.8	138.3	138.7	141.3	143.8	146.8	150.3	154.0	157.0	159.0	163.2	163.2		23
24		138.7	138.5	145.4	146.1	147.5	145.9	146.0	147.7	150.1	152.8	157.1	160.1	161.8	164.8	164.7		24
25		139.1	140.4	142.1	149.9	151.9	152.6	152.1	151.6	152.7	155.7	159.6	162.4	164.6	165.5	166.4	167.5	25
26			141.7	141.7	150.9	152.8	155.0	155.1	155.4	156.7	158.9	161.4	163.8	165.7	166.9	167.8	167.6	26
27			141.8	141.7	142.2	151.8	153.9	155.5	156.5	158.0	159.9	162.0	164.2	166.0	167.2	168.1	168.1	27
28			141.8	141.7	140.1	139.4	152.9	154.1	155.6	157.3	159.1	161.2	163.3	165.2	166.7	168.1	168.2	28
29					137.4	137.7	150.1	151.3	152.9	154.8	156.8	158.8	161.1	163.5	165.5	167.3		29
30					134.8	134.9	145.4	146.7	148.5	150.7	152.9	155.1	157.4	160.4	163.7			30
31					131.3	131.9	138.7	139.7	142.7	145.3	148.0	149.5	152.3	154.6	154.5			31
32					130.3	125.7	123.6	133.8	134.6	138.6	142.5	145.7	149.6	153.5	154.5			32
33						120.2	118.0	117.0	126.9	129.0	136.3	144.2	150.9	153.8	154.3			33
34						118.3	116.8	105.7	105.6	115.9	128.1	142.7	154.9	159.5				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 16 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			90.3	89.0	88.5	89.2	96.8	98.2										2
3			90.3	90.8	91.6	94.1	96.7	102.5	108.4	109.5								3
4			94.2	93.5	96.0	98.7	101.7	106.2	108.1	113.2	116.2							4
5			116.4	114.8	101.1	101.6	105.4	108.2	111.5	116.0	119.4	122.5						5
6			119.0	118.7	107.5	106.8	108.5	110.9	112.6	117.9	122.3	125.7	129.0					6
7			121.4	121.6	121.4	109.7	109.8	114.4	115.1	131.0	132.7	129.2	131.4	134.5				7
8			122.6	122.6	122.5	121.1	120.7	117.7	117.2	133.0	134.2	136.2	135.5	135.2				8
9		122.3	122.5	122.4	122.4	122.8	123.3	124.2	127.6	131.9	134.9	136.4	137.6	137.3				9
10		121.5	121.6	121.7	121.8	122.6	123.8	125.2	128.0	131.3	135.1	136.9	138.3	140.3	142.6	143.1		10
11		119.0	119.3	120.5	120.5	121.7	123.7	125.6	128.1	130.6	134.1	137.3	139.1	141.8	143.0	143.6		11
12	103.0	111.0	117.0	118.7	119.4	120.2	122.4	123.9	126.1	129.0	132.8	137.5	139.5	141.0	144.6	144.5		12
13	108.0	116.4	116.8	117.3	118.0	119.2	119.9	121.0	122.5	125.6	130.5	136.8	139.9	141.6	145.5	145.5		13
14	140.0	118.0	117.7	117.2	117.6	118.7	118.8	118.6	119.0	123.3	128.9	135.7	140.4	142.6	145.8	146.6	147.3	14
15		118.5	118.4	118.2	118.2	118.3	118.1	117.7	118.8	123.6	128.7	135.7	140.6	144.0	145.7	147.4	147.3	15
16		119.3	118.7	118.2	118.2	117.8	117.0	118.1	121.6	125.0	129.7	136.1	141.1	144.2	147.3	147.5	147.5	16
17		120.6	119.8	118.6	117.7	116.6	116.3	118.1	122.5	126.4	131.3	135.6	141.4	146.3	147.2	147.4		17
18		122.8	122.4	120.3	117.9	116.4	117.3	118.6	122.9	127.3	131.2	134.9	141.6	146.9	147.2			18
19		125.8	125.3	122.1	120.0	119.5	119.6	120.3	123.7	127.8	130.1	133.9	141.7	147.5	148.0			19
20	131.1	130.6	128.2	126.0	122.5	122.5	122.6	122.7	125.5	128.8	130.6	134.0	141.1	148.9	149.1			20
21	131.3	131.2	130.3	129.5	127.7	125.4	124.5	125.3	128.7	131.9	135.9	138.7	143.3	149.2	152.5	155.3		21
22	131.7	131.7	131.8	131.8	130.5	129.1	129.7	130.9	133.6	136.5	140.9	144.7	148.2	150.5	156.2	155.9		22
23	131.9	132.3	133.5	133.6	137.2	133.5	133.9	136.4	138.8	141.8	145.3	148.8	151.8	153.7	157.9	157.9		23
24		134.7	134.5	141.0	141.6	142.7	141.0	141.2	142.8	145.2	147.9	152.1	154.9	156.7	159.6	159.4		24
25		135.1	136.6	138.3	145.5	147.3	147.9	147.4	146.8	147.9	150.9	154.7	157.4	159.6	160.4	161.3	162.4	25
26			138.1	138.0	146.7	148.5	150.6	150.6	150.9	152.2	154.3	156.8	159.1	160.8	162.0	162.7	162.5	26
27			138.2	138.2	138.8	147.9	150.0	151.5	152.4	153.8	155.7	157.7	159.7	161.4	162.5	163.1	163.0	27
28			138.3	138.3	137.0	136.6	149.4	150.5	151.9	153.5	155.3	157.2	159.2	161.0	162.3	163.1	163.2	28
29					134.7	135.0	147.0	148.2	149.7	151.5	153.4	155.4	157.5	159.6	161.3	162.8		29
30					132.4	132.5	142.8	144.0	145.8	148.0	150.1	152.3	154.5	157.0	159.9			30
31					129.2	129.7	136.6	137.6	140.6	143.2	145.9	147.3	150.0	152.5	152.8			31
32					128.3	124.2	122.3	132.1	133.0	137.1	141.0	144.2	148.1	151.9	153.0			32
33						119.1	117.0	116.1	126.0	128.2	135.5	143.5	150.1	152.8	152.8			33
34						117.3	116.0	105.5	105.6	115.9	128.1	142.6	154.8	159.5				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

1

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 17 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			90.2	88.9	88.5	89.1	96.3	97.6										2
3			90.2	90.7	91.4	93.7	96.2	101.6	107.2	108.2								3
4			93.9	93.2	95.5	98.0	100.9	105.1	106.9	111.6	114.5							4
5			114.9	113.3	100.4	100.8	104.3	107.0	110.1	114.3	117.4	120.3						5
6			117.3	117.1	106.4	105.7	107.3	109.5	111.1	116.0	120.1	123.2	126.2					6
7			119.5	119.7	119.4	108.3	108.4	112.7	113.4	128.1	129.7	126.5	128.4	131.3				7
8			120.6	120.5	120.4	118.8	118.4	115.8	115.3	129.9	131.0	132.8	132.2	131.9				8
9		120.4	120.5	120.3	120.2	120.4	120.8	121.7	124.6	128.6	131.5	132.9	134.1	133.9				9
10		119.7	119.7	119.6	119.6	120.2	121.3	122.5	124.9	127.9	131.5	133.3	134.7	136.5	138.6	139.1		10
11		117.6	117.8	118.5	118.4	119.2	121.0	122.7	124.9	127.2	130.4	133.6	135.3	137.9	139.0	139.5		11
12	103.0	110.7	115.8	116.9	117.2	117.8	119.6	120.8	122.7	125.4	129.1	133.6	135.5	137.0	140.4	140.4		12
13	108.0	116.2	115.6	115.5	115.8	116.6	116.9	117.8	119.1	122.0	126.7	132.8	135.8	137.4	141.3	141.2		13
14	140.0	117.5	116.3	115.2	115.3	116.0	115.8	115.4	115.6	119.7	125.0	131.7	136.3	138.3	141.5	142.2	142.9	14
15		116.7	116.5	115.9	115.7	115.5	115.0	114.3	115.3	119.8	124.7	131.6	136.3	139.7	141.3	143.0	142.9	15
16		116.9	116.3	115.6	115.4	114.7	113.7	114.6	117.8	121.1	125.7	131.9	136.7	139.7	142.7	143.0	143.0	16
17		117.9	117.0	115.7	114.6	113.3	112.8	114.4	118.7	122.4	127.1	131.3	137.0	141.7	142.7	142.9		17
18		119.8	119.3	117.1	114.6	112.9	113.6	114.8	118.9	123.1	126.9	130.5	137.1	142.3	142.6			18
19		122.6	122.0	118.8	116.5	115.9	115.8	116.4	119.6	123.6	125.7	129.5	137.1	142.9	143.3			19
20	127.6	127.1	124.8	122.5	118.9	118.8	118.7	118.7	121.4	124.5	126.2	129.5	136.4	144.2	144.4			20
21	127.7	127.7	126.7	125.9	124.0	121.4	120.5	121.2	124.4	127.5	131.5	134.2	138.7	144.6	147.9	150.6		21
22	128.2	128.1	128.2	128.2	126.6	125.1	125.5	126.7	129.3	132.2	136.4	140.1	143.5	145.7	151.5	151.2		22
23	128.3	128.8	130.0	129.9	133.2	129.4	129.6	132.1	134.5	137.4	140.8	144.3	147.2	149.1	153.2	153.3		23
24		131.2	131.0	137.2	137.7	138.6	136.8	136.9	138.5	140.9	143.5	147.6	150.4	152.1	154.9	154.8		24
25		131.7	133.2	135.0	141.6	143.3	143.8	143.3	142.6	143.7	146.6	150.4	153.0	155.1	155.7	156.7	157.8	25
26			134.9	134.8	143.1	144.8	146.7	146.7	147.0	148.2	150.2	152.6	154.9	156.6	157.6	158.1	158.0	26
27			135.2	135.2	135.8	144.5	146.7	148.0	148.8	150.1	151.9	153.9	155.8	157.3	158.4	158.6	158.5	27
28			135.3	135.3	134.3	134.0	146.2	147.4	148.7	150.2	151.9	153.7	155.6	157.2	158.3	158.7	158.7	28
29					132.4	132.6	144.2	145.4	146.9	148.6	150.5	152.3	154.3	156.2	157.6	158.8		29
30					130.3	130.4	140.5	141.7	143.4	145.6	147.6	149.7	151.8	154.1	156.5			30
31					127.4	127.9	134.7	135.8	138.7	141.3	143.9	145.3	148.0	150.7	151.3			31
32					126.6	122.8	121.1	130.7	131.7	135.8	139.7	142.8	146.7	150.5	151.5			32
33						118.1	116.2	115.4	125.1	127.5	134.8	142.8	149.3	151.8	151.5			33
34						116.5	115.2	105.3	105.5	115.9	128.0	142.6	154.8	159.4				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 18 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			90.0	88.8	88.4	89.0	95.8	97.1										2
3			90.0	90.5	91.2	93.4	95.7	100.8	106.1	107.1								3
4			93.7	92.9	95.1	97.5	100.2	104.1	105.9	110.3	112.9							4
5			113.6	112.1	99.7	100.2	103.4	105.9	108.9	112.7	115.7	118.4						5
6			115.8	115.7	105.5	104.7	106.2	108.3	109.8	114.4	118.2	121.1	123.8					6
7			117.9	118.1	117.7	107.0	107.2	111.3	111.9	125.6	127.1	124.1	125.9	128.5				7
8			118.9	118.8	118.5	116.8	116.4	114.1	113.7	127.2	128.1	129.9	129.3	129.0				8
9		118.8	118.8	118.5	118.3	118.4	118.7	119.4	122.0	125.7	128.5	129.9	131.0	130.8				9
10		118.2	118.1	117.8	117.7	118.2	119.1	120.1	122.2	125.0	128.4	130.1	131.5	133.2	135.2	135.6		10
11		116.3	116.4	116.8	116.6	117.1	118.6	120.1	122.0	124.1	127.3	130.3	131.9	134.5	135.5	136.0		11
12	103.0	110.4	114.8	115.3	115.4	115.7	117.1	118.0	119.8	122.4	125.9	130.2	132.1	133.5	136.8	136.8		12
13	108.0	115.9	114.6	113.9	113.9	114.4	114.4	115.0	116.2	118.8	123.4	129.4	132.3	133.8	137.6	137.5		13
14	140.0	117.0	115.1	113.5	113.2	113.6	113.2	112.5	112.6	116.5	121.7	128.2	132.6	134.6	137.8	138.4	139.0	14
15		115.1	114.8	114.0	113.5	113.0	112.2	111.4	112.2	116.5	121.3	128.0	132.5	135.8	137.4	139.1	139.0	15
16		114.9	114.2	113.4	112.9	112.1	110.8	111.5	114.6	117.8	122.2	128.1	132.9	135.8	138.8	139.0	139.1	16
17		115.5	114.6	113.2	112.0	110.5	109.8	111.2	115.3	118.9	123.4	127.5	133.1	137.7	138.7	138.9		17
18		117.2	116.7	114.4	111.7	109.9	110.4	111.5	115.4	119.5	123.2	126.7	133.1	138.2	138.5			18
19		119.7	119.2	115.9	113.5	112.7	112.5	112.9	116.0	119.9	122.0	125.6	133.1	138.8	139.2			19
20	124.6	124.1	121.8	119.5	115.8	115.5	115.3	115.1	117.7	120.8	122.4	125.5	132.4	140.1	140.3			20
21	124.7	124.7	123.7	122.8	120.7	118.0	117.0	117.5	120.7	123.7	127.5	130.1	134.6	140.4	143.7	146.5		21
22	125.1	125.1	125.1	125.1	123.3	121.6	121.9	123.0	125.5	128.4	132.5	136.1	139.5	141.6	147.4	147.1		22
23	125.3	125.7	126.9	126.8	129.8	125.8	125.9	128.4	130.8	133.6	136.9	140.3	143.1	145.0	149.1	149.1		23
24		128.2	128.0	133.9	134.2	134.9	133.0	133.1	134.7	137.1	139.7	143.7	146.4	148.1	150.8	150.7		24
25		128.7	130.3	132.2	138.2	139.8	140.2	139.6	138.9	140.0	142.9	146.6	149.2	151.2	151.7	152.6	153.8	25
26			132.1	132.0	139.9	141.5	143.4	143.3	143.5	144.7	146.7	149.0	151.2	152.8	153.8	154.1	153.9	26
27			132.5	132.5	133.2	141.5	143.7	144.9	145.6	146.9	148.6	150.5	152.3	153.8	154.7	154.6	154.5	27
28			132.6	132.7	131.9	131.8	143.5	144.6	145.8	147.3	148.9	150.6	152.4	153.9	154.9	154.8	154.7	28
29					130.3	130.5	141.8	142.9	144.3	146.0	147.8	149.6	151.4	153.2	154.3	155.2		29
30					128.4	128.5	138.4	139.6	141.3	143.4	145.4	147.4	149.5	151.5	153.5			30
31					125.8	126.3	133.1	134.1	137.0	139.6	142.2	143.6	146.2	149.0	149.9			31
32					125.1	121.6	120.1	129.4	130.5	134.6	138.5	141.6	145.4	149.3	150.3			32
33						117.2	115.4	114.8	124.4	126.8	134.2	142.1	148.7	151.0	150.4			33
34						115.7	114.5	105.2	105.5	115.8	128.0	142.6	154.8	159.4				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

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ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 19 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.9	88.8	88.4	88.9	95.4	96.6										2
3			90.0	90.4	91.1	93.1	95.3	100.2	105.2	106.1								3
4			93.4	92.7	94.8	97.0	99.6	103.3	105.0	109.1	111.6							4
5			112.5	111.1	99.2	99.6	102.7	105.0	107.8	111.4	114.2	116.7						5
6			114.6	114.4	104.7	103.9	105.3	107.2	108.7	113.0	116.6	119.2	121.8					6
7			116.5	116.6	116.3	105.9	106.1	110.1	110.7	123.4	124.8	122.0	123.6	126.0				7
8			117.4	117.3	117.0	115.1	114.7	112.7	112.3	124.8	125.7	127.3	126.8	126.5				8
9		117.3	117.3	116.9	116.6	116.7	116.9	117.5	119.7	123.3	126.0	127.2	128.4	128.2				9
10		116.8	116.7	116.3	116.1	116.4	117.2	118.0	119.9	122.4	125.7	127.3	128.8	130.4	132.2	132.6		10
11		115.3	115.2	115.3	115.0	115.3	116.6	117.8	119.5	121.5	124.5	127.5	129.0	131.5	132.5	132.9		11
12	103.0	110.2	113.9	113.9	113.8	113.8	115.0	115.7	117.3	119.7	123.1	127.3	129.1	130.5	133.7	133.6		12
13	108.0	115.7	113.8	112.6	112.2	112.5	112.2	112.5	113.6	116.1	120.5	126.4	129.2	130.7	134.4	134.3		13
14	140.0	116.7	114.0	112.0	111.4	111.6	110.9	110.1	110.0	113.7	118.8	125.1	129.4	131.4	134.5	135.1	135.6	14
15		113.8	113.4	112.2	111.5	110.9	109.9	108.9	109.5	113.6	118.3	124.8	129.3	132.5	134.0	135.7	135.6	15
16		113.1	112.3	111.4	110.8	109.8	108.3	108.8	111.8	114.8	119.1	124.9	129.5	132.4	135.3	135.6	135.7	16
17		113.4	112.6	111.0	109.7	108.0	107.1	108.4	112.4	115.8	120.2	124.2	129.6	134.2	135.1	135.4		17
18		114.9	114.3	112.0	109.3	107.3	107.7	108.6	112.4	116.4	119.9	123.3	129.7	134.7	135.0			18
19		117.2	116.7	113.3	110.9	109.9	109.6	109.9	112.9	116.7	118.6	122.2	129.6	135.2	135.6			19
20	121.9	121.5	119.1	116.8	113.0	112.6	112.3	112.1	114.5	117.5	119.0	122.0	128.8	136.5	136.7			20
21	122.1	122.0	121.0	120.1	117.8	115.0	113.9	114.4	117.5	120.4	124.1	126.6	131.0	136.8	140.1	142.8		21
22	122.5	122.4	122.4	122.3	120.4	118.5	118.7	119.8	122.2	125.0	129.1	132.6	135.9	138.0	143.7	143.4		22
23	122.6	123.1	124.3	124.0	126.7	122.6	122.7	125.2	127.5	130.3	133.5	136.8	139.6	141.4	145.5	145.5		23
24		125.6	125.4	131.0	131.2	131.8	129.8	129.9	131.5	133.8	136.3	140.2	142.9	144.5	147.2	147.1		24
25		126.1	127.8	129.7	135.3	136.7	137.0	136.4	135.7	136.7	139.6	143.3	145.8	147.8	148.1	149.0	150.2	25
26			129.7	129.6	137.2	138.7	140.4	140.3	140.5	141.6	143.5	145.8	147.9	149.4	150.4	150.6	150.4	26
27			130.1	130.2	130.9	138.9	141.1	142.2	142.8	144.0	145.7	147.5	149.2	150.6	151.5	151.0	151.0	27
28			130.3	130.4	129.9	129.9	141.0	142.1	143.3	144.7	146.3	147.9	149.5	150.9	151.8	151.3	151.2	28
29					128.5	128.7	139.6	140.7	142.1	143.8	145.5	147.2	148.9	150.5	151.4	152.1		29
30					126.8	126.9	136.6	137.8	139.5	141.6	143.5	145.4	147.4	149.1	150.8			30
31					124.4	124.9	131.7	132.7	135.6	138.1	140.7	142.0	144.6	147.5	148.7			31
32					123.7	120.5	119.2	128.3	129.5	133.5	137.5	140.6	144.4	148.2	149.2			32
33						116.5	114.8	114.2	123.7	126.3	133.6	141.6	148.1	150.2	149.4			33
34						115.0	113.9	105.1	105.5	115.8	128.0	142.6	154.8	159.4				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 20 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.9	88.8	88.3	88.8	95.0	96.2										2
3			89.9	90.3	90.9	92.9	95.0	99.6	104.4	105.3								3
4			93.2	92.5	94.5	96.6	99.1	102.6	104.2	108.1	110.4							4
5			111.5	110.2	98.7	99.1	102.0	104.2	106.9	110.3	112.9	115.2						5
6			113.5	113.4	104.0	103.2	104.5	106.3	107.7	111.8	115.1	117.6	120.0					6
7			115.3	115.4	115.0	105.0	105.2	109.0	109.6	121.5	122.8	120.2	121.7	123.9				7
8			116.1	115.9	115.6	113.7	113.2	111.4	111.1	122.7	123.6	125.1	124.6	124.4				8
9		116.1	116.0	115.5	115.2	115.1	115.3	115.8	117.7	121.1	123.7	124.9	126.0	125.9				9
10		115.7	115.5	114.9	114.7	114.9	115.5	116.3	117.8	120.2	123.4	124.9	126.4	127.9	129.5	129.9		10
11		114.3	114.2	114.0	113.7	113.7	114.8	115.9	117.4	119.2	122.2	125.0	126.5	128.9	129.8	130.2		11
12	103.0	109.9	113.2	112.7	112.4	112.2	113.1	113.6	115.0	117.4	120.7	124.7	126.5	127.9	130.9	130.9		12
13	108.0	115.5	113.0	111.4	110.7	110.8	110.2	110.4	111.4	113.8	118.0	123.8	126.5	127.9	131.6	131.5		13
14	140.0	116.3	113.1	110.7	109.8	109.8	108.9	107.9	107.7	111.3	116.3	122.4	126.7	128.5	131.7	132.2	132.6	14
15		112.6	112.1	110.7	109.8	109.0	107.8	106.7	107.1	111.1	115.7	122.1	126.4	129.6	131.1	132.7	132.6	15
16		111.6	110.7	109.7	108.9	107.7	106.1	106.5	109.3	112.3	116.4	122.1	126.6	129.4	132.3	132.5	132.7	16
17		111.6	110.7	109.1	107.7	105.8	104.8	106.0	109.8	113.1	117.4	121.3	126.6	131.1	132.1	132.4		17
18		112.9	112.3	109.9	107.1	105.0	105.2	106.0	109.7	113.6	117.1	120.4	126.6	131.6	131.8			18
19		115.1	114.5	111.1	108.6	107.5	107.1	107.3	110.1	113.8	115.8	119.2	126.5	132.1	132.5			19
20	119.6	119.2	116.9	114.5	110.6	110.1	109.6	109.4	111.8	114.7	116.1	119.0	125.7	133.3	133.5			20
21	119.7	119.7	118.7	117.7	115.4	112.4	111.3	111.7	114.6	117.5	121.1	123.5	127.8	133.7	136.9	139.6		21
22	120.2	120.1	120.1	120.0	117.8	115.8	115.9	117.0	119.4	122.1	126.0	129.5	132.7	134.8	140.5	140.2		22
23	120.3	120.8	121.9	121.6	124.1	119.9	119.9	122.3	124.6	127.3	130.5	133.7	136.4	138.2	142.3	142.3		23
24		123.3	123.1	128.5	128.6	129.0	127.0	127.0	128.6	130.9	133.3	137.2	139.9	141.4	144.0	143.9		24
25		123.8	125.6	127.5	132.7	134.0	134.3	133.6	132.9	133.8	136.7	140.3	142.8	144.7	144.9	145.9	147.1	25
26			127.6	127.5	134.8	136.2	137.8	137.7	137.8	138.9	140.8	143.0	145.1	146.5	147.4	147.4	147.3	26
27			128.1	128.2	129.0	136.6	138.8	139.8	140.4	141.5	143.1	144.9	146.5	147.8	148.6	148.0	147.9	27
28			128.3	128.4	128.1	128.2	138.9	139.9	141.1	142.4	143.9	145.5	147.0	148.3	149.1	148.3	148.1	28
29					127.0	127.1	137.8	138.8	140.2	141.8	143.5	145.1	146.7	148.1	148.8	149.3		29
30					125.4	125.5	135.0	136.2	137.9	139.9	141.8	143.7	145.6	147.1	148.5			30
31					123.2	123.6	130.4	131.4	134.3	136.8	139.4	140.7	143.2	146.2	147.6			31
32					122.6	119.6	118.5	127.3	128.5	132.6	136.6	139.6	143.4	147.2	148.2			32
33						115.8	114.2	113.7	123.1	125.8	133.1	141.1	147.6	149.6	148.5			33
34						114.5	113.4	105.0	105.5	115.8	128.0	142.6	154.7	159.4				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 21 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.8	88.7	88.3	88.7	94.7	95.9										2
3			89.8	90.2	90.8	92.6	94.7	99.1	103.7	104.5								3
4			93.1	92.3	94.2	96.3	98.6	102.0	103.5	107.2	109.4							4
5			110.7	109.4	98.3	98.6	101.4	103.5	106.1	109.3	111.7	113.9						5
6			112.6	112.4	103.4	102.5	103.8	105.5	106.8	110.8	113.8	116.1	118.4					6
7			114.2	114.3	113.9	104.2	104.4	108.1	108.6	119.9	121.1	118.6	120.0	122.0				7
8			114.9	114.8	114.4	112.4	111.8	110.3	110.1	120.9	121.7	123.2	122.7	122.5				8
9		115.1	114.9	114.3	113.9	113.8	113.9	114.3	116.0	119.2	121.7	122.9	124.0	123.9				9
10		114.7	114.5	113.7	113.5	113.6	114.1	114.7	116.1	118.3	121.3	122.8	124.3	125.7	127.2	127.6		10
11		113.5	113.3	112.8	112.5	112.4	113.3	114.2	115.5	117.2	120.1	122.8	124.2	126.6	127.5	127.9		11
12	103.0	109.8	112.5	111.7	111.2	110.9	111.5	111.8	113.1	115.4	118.6	122.5	124.2	125.5	128.5	128.5		12
13	108.0	115.3	112.3	110.4	109.4	109.3	108.5	108.6	109.4	111.7	115.9	121.5	124.1	125.5	129.1	129.0		13
14	140.0	116.0	112.3	109.6	108.5	108.2	107.2	106.0	105.7	109.1	114.0	120.1	124.2	126.1	129.2	129.7	130.1	14
15		111.6	111.0	109.4	108.4	107.4	106.0	104.7	105.1	109.0	113.5	119.7	123.9	127.0	128.5	130.1	130.0	15
16		110.2	109.3	108.2	107.3	106.0	104.2	104.5	107.2	110.0	114.1	119.6	124.0	126.8	129.6	129.9	130.1	16
17		110.1	109.2	107.5	105.9	103.9	102.8	103.9	107.6	110.8	114.9	118.8	124.0	128.4	129.4	129.7		17
18		111.1	110.6	108.0	105.2	103.0	103.1	103.8	107.4	111.2	114.6	117.8	123.9	128.9	129.1			18
19		113.2	112.6	109.2	106.6	105.4	104.9	105.0	107.8	111.4	113.2	116.6	123.8	129.4	129.8			19
20	117.6	117.2	114.9	112.5	108.6	107.9	107.4	107.0	109.3	112.2	113.5	116.3	123.0	130.6	130.8			20
21	117.7	117.7	116.6	115.7	113.2	110.2	108.9	109.3	112.2	115.0	118.5	120.8	125.1	130.9	134.1	136.8		21
22	118.2	118.1	118.0	117.9	115.6	113.5	113.5	114.5	116.9	119.5	123.4	126.8	130.0	132.0	137.7	137.4		22
23	118.3	118.7	119.9	119.5	121.8	117.4	117.4	119.8	122.0	124.8	127.9	131.0	133.7	135.4	139.5	139.5		23
24		121.3	121.1	126.3	126.3	126.6	124.5	124.5	126.0	128.3	130.8	134.6	137.2	138.7	141.3	141.1		24
25		121.9	123.6	125.6	130.5	131.7	131.9	131.2	130.4	131.3	134.1	137.8	140.1	142.1	142.2	143.1	144.3	25
26			125.7	125.6	132.7	134.0	135.6	135.4	135.5	136.5	138.3	140.5	142.5	143.9	144.8	144.7	144.5	26
27			126.3	126.5	127.2	134.6	136.8	137.7	138.2	139.3	140.8	142.5	144.1	145.4	146.1	145.2	145.2	27
28			126.6	126.7	126.5	126.8	137.0	138.0	139.1	140.4	141.9	143.4	144.9	146.0	146.7	145.6	145.4	28
29					125.6	125.7	136.1	137.2	138.5	140.1	141.7	143.3	144.8	146.0	146.5	146.9		29
30					124.2	124.3	133.6	134.8	136.4	138.4	140.3	142.2	144.0	145.3	146.4			30
31					122.2	122.5	129.3	130.3	133.1	135.7	138.2	139.5	142.0	145.1	146.7			31
32					121.6	118.8	117.8	126.5	127.7	131.8	135.8	138.8	142.6	146.3	147.3			32
33						115.3	113.7	113.3	122.6	125.4	132.7	140.7	147.1	149.0	147.7			33
34						114.0	113.0	104.9	105.4	115.8	128.0	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 22 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.7	88.7	88.3	88.6	94.5	95.5										2
3			89.7	90.1	90.7	92.5	94.4	98.7	103.1	103.9								3
4			92.9	92.2	94.0	96.0	98.2	101.4	102.9	106.4	108.6							4
5			109.9	108.7	97.9	98.2	100.9	103.0	105.4	108.4	110.7	112.8						5
6			111.8	111.6	102.9	102.0	103.2	104.8	106.1	109.8	112.7	114.9	117.0					6
7			113.3	113.4	113.0	103.4	103.7	107.3	107.8	118.5	119.6	117.2	118.5	120.4				7
8			113.9	113.8	113.3	111.3	110.7	109.4	109.2	119.4	120.1	121.5	121.0	120.8				8
9		114.1	113.9	113.3	112.9	112.7	112.6	113.0	114.5	117.6	120.0	121.2	122.2	122.1				9
10		113.8	113.5	112.7	112.4	112.4	112.9	113.4	114.5	116.6	119.5	120.9	122.5	123.8	125.2	125.6		10
11		112.8	112.5	111.8	111.4	111.2	111.9	112.7	113.9	115.5	118.2	121.0	122.3	124.6	125.5	125.8		11
12	103.0	109.6	111.9	110.8	110.1	109.7	110.1	110.2	111.4	113.6	116.7	120.5	122.2	123.5	126.4	126.4		12
13	108.0	115.2	111.7	109.5	108.3	108.1	107.1	106.9	107.7	109.9	114.0	119.5	122.1	123.4	126.9	126.9		13
14	140.0	115.8	111.6	108.6	107.3	106.9	105.7	104.4	104.0	107.3	112.1	118.0	122.1	123.9	127.0	127.5	127.8	14
15		110.7	110.1	108.3	107.1	105.9	104.5	103.0	103.3	107.1	111.5	117.6	121.7	124.8	126.2	127.9	127.8	15
16		109.0	108.1	106.9	105.9	104.4	102.5	102.7	105.3	108.1	112.0	117.4	121.8	124.6	127.3	127.6	127.8	16
17		108.7	107.8	106.0	104.4	102.3	101.1	102.0	105.6	108.8	112.8	116.6	121.7	126.0	127.0	127.4		17
18		109.6	109.0	106.4	103.6	101.2	101.3	101.9	105.4	109.1	112.4	115.6	121.6	126.5	126.8			18
19		111.5	111.0	107.5	104.8	103.6	103.0	103.0	105.7	109.2	111.0	114.3	121.4	127.0	127.4			19
20	115.8	115.4	113.1	110.7	106.7	106.0	105.4	104.9	107.2	110.0	111.3	114.0	120.6	128.2	128.3			20
21	116.0	115.9	114.9	113.9	111.3	108.2	106.9	107.2	110.0	112.8	116.2	118.5	122.7	128.5	131.7	134.4		21
22	116.4	116.3	116.2	116.1	113.7	111.4	111.4	112.4	114.7	117.3	121.1	124.4	127.5	129.6	135.3	135.0		22
23	116.5	117.0	118.1	117.7	119.8	115.3	115.3	117.6	119.8	122.5	125.6	128.7	131.3	133.0	137.0	137.1		23
24		119.6	119.4	124.4	124.4	124.5	122.3	122.3	123.8	126.1	128.5	132.2	134.8	136.3	138.8	138.7		24
25		120.1	122.0	123.9	128.5	129.6	129.7	129.0	128.3	129.1	131.9	135.5	137.8	139.8	139.8	140.7	141.9	25
26			124.1	124.0	130.8	132.1	133.6	133.3	133.4	134.4	136.2	138.4	140.3	141.6	142.5	142.3	142.1	26
27			124.8	125.0	125.7	132.9	135.0	135.9	136.3	137.4	138.9	140.5	142.0	143.2	143.9	142.9	142.8	27
28			125.0	125.2	125.1	125.5	135.4	136.4	137.4	138.7	140.1	141.6	142.9	144.0	144.6	143.3	143.0	28
29					124.4	124.5	134.7	135.7	137.0	138.5	140.1	141.6	143.1	144.2	144.6	144.7		29
30					123.1	123.2	132.4	133.5	135.2	137.2	139.0	140.8	142.5	143.7	144.6			30
31					121.2	121.6	128.3	129.4	132.1	134.6	137.2	138.4	140.9	144.1	145.9			31
32					120.7	118.1	117.2	125.7	127.0	131.1	135.0	138.1	141.8	145.6	146.6			32
33						114.8	113.3	112.9	122.1	125.0	132.4	140.3	146.7	148.5	147.0			33
34						113.5	112.6	104.8	105.4	115.8	128.0	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 23 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.7	88.7	88.2	88.6	94.2	95.3										2
3			89.7	90.1	90.6	92.3	94.2	98.3	102.5	103.3								3
4			92.8	92.1	93.8	95.7	97.9	101.0	102.3	105.7	107.8							4
5			109.3	108.2	97.6	97.9	100.5	102.4	104.7	107.7	109.8	111.9						5
6			111.0	110.9	102.4	101.5	102.6	104.2	105.4	109.0	111.8	113.8	115.8					6
7			112.5	112.6	112.2	102.8	103.1	106.6	107.0	117.2	118.3	116.0	117.2	119.0				7
8			113.1	112.9	112.4	110.3	109.7	108.5	108.4	118.0	118.6	120.0	119.6	119.4				8
9		113.3	113.1	112.4	111.9	111.6	111.6	111.9	113.2	116.1	118.5	119.7	120.7	120.6				9
10		113.0	112.7	111.8	111.4	111.4	111.8	112.2	113.2	115.1	118.0	119.3	120.9	122.2	123.5	123.8		10
11		112.2	111.9	111.0	110.5	110.1	110.8	111.4	112.4	114.0	116.7	119.3	120.6	122.9	123.7	124.1		11
12	103.0	109.5	111.4	110.0	109.2	108.6	108.9	108.8	109.9	112.1	115.1	118.8	120.5	121.8	124.6	124.5		12
13	108.0	115.1	111.2	108.7	107.4	107.0	105.8	105.5	106.2	108.3	112.3	117.8	120.3	121.6	125.1	125.0		13
14	140.0	115.6	111.0	107.7	106.3	105.7	104.4	103.0	102.4	105.7	110.4	116.2	120.3	122.0	125.1	125.5	125.8	14
15		109.9	109.2	107.3	106.0	104.7	103.1	101.6	101.7	105.4	109.8	115.7	119.8	122.8	124.2	125.9	125.8	15
16		108.0	107.1	105.8	104.6	103.1	101.1	101.2	103.7	106.4	110.2	115.5	119.8	122.6	125.2	125.6	125.8	16
17		107.5	106.6	104.8	103.0	100.8	99.5	100.4	103.9	107.0	110.9	114.6	119.7	124.0	125.0	125.3		17
18		108.3	107.7	105.1	102.2	99.7	99.7	100.2	103.6	107.3	110.5	113.7	119.6	124.4	124.7			18
19		110.1	109.5	106.0	103.3	102.0	101.3	101.3	103.9	107.4	109.1	112.3	119.4	124.9	125.3			19
20	114.3	113.9	111.6	109.2	105.1	104.3	103.6	103.1	105.3	108.1	109.3	111.9	118.5	126.0	126.2			20
21	114.4	114.4	113.3	112.3	109.6	106.5	105.1	105.3	108.1	110.8	114.2	116.4	120.6	126.3	129.6	132.2		21
22	114.9	114.8	114.6	114.5	112.0	109.6	109.5	110.5	112.7	115.3	119.1	122.3	125.4	127.4	133.1	132.9		22
23	115.0	115.4	116.6	116.1	118.1	113.5	113.4	115.7	117.9	120.5	123.6	126.6	129.2	130.9	134.9	134.9		23
24		118.1	117.8	122.7	122.6	122.7	120.4	120.4	121.9	124.1	126.5	130.2	132.7	134.2	136.7	136.6		24
25		118.6	120.5	122.5	126.8	127.8	127.9	127.2	126.4	127.2	130.0	133.5	135.8	137.7	137.6	138.6	139.8	25
26			122.7	122.6	129.2	130.4	131.8	131.6	131.6	132.6	134.4	136.5	138.4	139.7	140.5	140.2	140.0	26
27			123.4	123.6	124.4	131.3	133.5	134.3	134.7	135.7	137.1	138.7	140.2	141.3	142.0	140.8	140.7	27
28			123.7	123.9	123.9	124.4	134.0	134.9	135.9	137.1	138.5	139.9	141.3	142.3	142.8	141.3	141.0	28
29					123.3	123.4	133.4	134.4	135.7	137.2	138.7	140.2	141.6	142.6	142.8	142.9		29
30					122.1	122.3	131.3	132.4	134.1	136.0	137.8	139.6	141.3	142.3	143.0			30
31					120.4	120.8	127.5	128.5	131.3	133.8	136.3	137.5	139.9	143.2	145.2			31
32					119.9	117.4	116.7	125.0	126.4	130.5	134.4	137.5	141.2	144.9	145.9			32
33						114.3	112.9	112.6	121.8	124.7	132.0	140.0	146.4	148.0	146.4			33
34						113.1	112.2	104.7	105.4	115.7	127.9	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 24 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.6	88.7	88.2	88.5	94.0	95.0										2
3			89.6	90.0	90.5	92.2	94.0	98.0	102.1	102.8								3
4			92.7	92.0	93.6	95.5	97.6	100.6	101.9	105.2	107.1							4
5			108.8	107.6	97.3	97.6	100.1	102.0	104.2	107.0	109.1	111.0						5
6			110.4	110.3	102.0	101.1	102.2	103.7	104.9	108.3	110.9	112.9	114.8					6
7			111.8	111.8	111.4	102.3	102.5	105.9	106.4	116.1	117.1	115.0	116.1	117.8				7
8			112.3	112.2	111.6	109.4	108.8	107.8	107.7	116.8	117.4	118.7	118.3	118.1				8
9		112.6	112.4	111.6	111.1	110.8	110.7	110.9	112.1	114.9	117.2	118.3	119.4	119.2				9
10		112.4	112.0	111.0	110.6	110.5	110.8	111.2	112.0	113.9	116.6	117.9	119.5	120.7	121.9	122.3		10
11		111.7	111.3	110.2	109.7	109.2	109.8	110.3	111.2	112.6	115.3	117.9	119.1	121.3	122.2	122.5		11
12	103.0	109.3	110.9	109.3	108.4	107.7	107.8	107.6	108.6	110.8	113.7	117.4	119.0	120.2	123.0	122.9		12
13	108.0	114.9	110.8	108.1	106.5	106.0	104.7	104.3	104.9	106.9	110.9	116.2	118.7	120.0	123.4	123.4		13
14	140.0	115.4	110.5	106.9	105.4	104.7	103.2	101.7	101.1	104.3	109.0	114.7	118.7	120.4	123.4	123.8	124.1	14
15		109.2	108.5	106.4	105.0	103.6	101.9	100.3	100.4	104.0	108.2	114.1	118.2	121.1	122.5	124.1	124.0	15
16		107.1	106.2	104.8	103.6	101.9	99.8	99.8	102.2	104.9	108.7	113.9	118.1	120.8	123.5	123.8	124.1	16
17		106.5	105.5	103.7	101.9	99.6	98.2	99.0	102.4	105.4	109.3	113.0	118.0	122.2	123.2	123.6		17
18		107.1	106.5	103.8	100.9	98.4	98.3	98.7	102.1	105.7	108.8	111.9	117.8	122.6	122.9			18
19		108.9	108.3	104.7	101.9	100.6	99.8	99.7	102.3	105.7	107.4	110.6	117.6	123.0	123.4			19
20	112.9	112.5	110.3	107.9	103.7	102.9	102.1	101.6	103.7	106.4	107.6	110.1	116.7	124.2	124.4			20
21	113.1	113.1	111.9	110.9	108.2	104.9	103.6	103.7	106.4	109.2	112.4	114.6	118.7	124.5	127.7	130.4		21
22	113.5	113.4	113.3	113.1	110.5	108.1	107.9	108.9	111.1	113.6	117.3	120.5	123.6	125.6	131.2	131.0		22
23	113.6	114.1	115.2	114.7	116.5	111.9	111.8	114.0	116.2	118.8	121.9	124.8	127.3	129.0	133.0	133.0		23
24		116.7	116.5	121.2	121.1	121.1	118.7	118.7	120.2	122.4	124.8	128.4	130.9	132.3	134.8	134.7		24
25		117.3	119.2	121.2	125.3	126.3	126.3	125.5	124.7	125.5	128.3	131.8	134.1	135.9	135.8	136.7	138.0	25
26			121.5	121.4	127.8	129.0	130.3	130.0	130.1	131.0	132.7	134.8	136.7	137.9	138.7	138.4	138.2	26
27			122.2	122.5	123.3	130.0	132.1	132.9	133.2	134.2	135.6	137.2	138.6	139.7	140.3	138.9	138.9	27
28			122.5	122.7	122.8	123.4	132.7	133.7	134.6	135.8	137.2	138.5	139.8	140.7	141.2	139.5	139.1	28
29					122.4	122.5	132.3	133.3	134.6	136.0	137.5	139.0	140.3	141.2	141.3	141.2		29
30					121.3	121.4	130.4	131.5	133.1	135.1	136.8	138.6	140.2	141.1	141.7			30
31					119.7	120.0	126.7	127.8	130.5	133.0	135.5	136.7	139.1	142.5	144.5			31
32					119.2	116.9	116.2	124.5	125.9	129.9	133.9	136.9	140.6	144.4	145.3			32
33						113.9	112.5	112.3	121.4	124.4	131.8	139.7	146.1	147.7	145.8			33
34						112.8	111.9	104.6	105.4	115.7	127.9	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 25 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.6	88.6	88.2	88.5	93.9	94.8										2
3			89.6	89.9	90.4	92.0	93.8	97.7	101.6	102.4								3
4			92.6	91.9	93.5	95.3	97.3	100.2	101.5	104.6	106.5							4
5			108.3	107.2	97.1	97.3	99.7	101.6	103.7	106.4	108.4	110.3						5
6			109.9	109.8	101.7	100.7	101.8	103.3	104.4	107.7	110.2	112.0	113.9					6
7			111.2	111.2	110.8	101.8	102.1	105.4	105.8	115.1	116.1	114.0	115.1	116.7				7
8			111.7	111.5	110.9	108.7	108.1	107.2	107.0	115.8	116.3	117.6	117.2	117.0				8
9		112.0	111.7	110.9	110.4	110.0	109.8	110.1	111.1	113.8	116.1	117.2	118.2	118.0				9
10		111.8	111.4	110.3	109.9	109.7	110.0	110.3	111.0	112.7	115.4	116.7	118.3	119.5	120.6	120.9		10
11		111.2	110.8	109.6	109.0	108.4	108.9	109.3	110.1	111.5	114.1	116.6	117.8	120.0	120.8	121.1		11
12	103.0	109.2	110.5	108.7	107.7	106.9	106.9	106.6	107.5	109.6	112.5	116.1	117.7	118.9	121.6	121.5		12
13	108.0	114.8	110.4	107.5	105.8	105.1	103.7	103.2	103.8	105.7	109.6	114.9	117.4	118.6	122.0	121.9		13
14	140.0	115.2	110.0	106.3	104.6	103.8	102.2	100.6	100.0	103.0	107.7	113.3	117.2	118.9	121.9	122.4	122.6	14
15		108.6	107.9	105.7	104.2	102.6	100.9	99.2	99.2	102.7	106.9	112.7	116.7	119.6	121.0	122.6	122.5	15
16		106.3	105.3	103.9	102.6	100.9	98.7	98.6	101.0	103.6	107.3	112.4	116.6	119.3	121.9	122.3	122.6	16
17		105.5	104.6	102.7	100.9	98.5	97.0	97.7	101.1	104.1	107.9	111.5	116.5	120.6	121.6	122.0		17
18		106.1	105.5	102.8	99.8	97.2	97.0	97.4	100.7	104.2	107.4	110.4	116.3	121.0	121.3			18
19		107.8	107.1	103.6	100.8	99.4	98.5	98.4	100.9	104.3	105.9	109.0	116.0	121.4	121.8			19
20	111.8	111.4	109.1	106.7	102.5	101.6	100.8	100.2	102.3	104.9	106.1	108.6	115.1	122.6	122.8			20
21	111.9	111.9	110.8	109.7	106.9	103.6	102.2	102.3	105.0	107.7	110.9	113.0	117.1	122.8	126.1	128.7		21
22	112.3	112.3	112.1	111.9	109.2	106.7	106.5	107.4	109.6	112.1	115.8	118.9	122.0	123.9	129.6	129.3		22
23	112.5	112.9	114.1	113.5	115.2	110.5	110.3	112.6	114.7	117.3	120.3	123.2	125.7	127.4	131.4	131.4		23
24		115.6	115.3	120.0	119.8	119.7	117.3	117.2	118.7	120.9	123.3	126.9	129.3	130.7	133.2	133.0		24
25		116.1	118.1	120.1	124.0	124.9	124.9	124.1	123.3	124.1	126.8	130.3	132.5	134.4	134.1	135.1	136.4	25
26			120.4	120.3	126.6	127.7	129.0	128.7	128.7	129.6	131.3	133.4	135.2	136.4	137.2	136.7	136.6	26
27			121.2	121.4	122.2	128.8	130.9	131.7	132.0	132.9	134.3	135.8	137.2	138.3	138.8	137.3	137.3	27
28			121.5	121.7	121.9	122.5	131.6	132.5	133.5	134.6	136.0	137.3	138.5	139.4	139.8	137.9	137.5	28
29					121.6	121.7	131.4	132.3	133.6	135.0	136.5	137.9	139.1	140.0	140.0	139.8		29
30					120.6	120.7	129.6	130.7	132.3	134.2	136.0	137.7	139.3	140.1	140.4			30
31					119.1	119.4	126.1	127.1	129.8	132.3	134.8	136.0	138.4	141.8	144.0			31
32					118.6	116.4	115.8	124.0	125.4	129.5	133.4	136.4	140.1	143.8	144.8			32
33						113.6	112.2	112.1	121.1	124.1	131.5	139.4	145.8	147.3	145.4			33
34						112.5	111.7	104.6	105.4	115.7	127.9	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 26 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.5	88.6	88.2	88.5	93.7	94.7										2
3			89.6	89.9	90.4	91.9	93.7	97.4	101.3	102.0								3
4			92.5	91.8	93.4	95.1	97.1	99.9	101.1	104.2	106.0							4
5			107.9	106.8	96.9	97.1	99.4	101.2	103.3	105.9	107.8	109.6						5
6			109.4	109.3	101.4	100.4	101.4	102.9	103.9	107.2	109.6	111.3	113.1					6
7			110.7	110.7	110.3	101.4	101.7	104.9	105.4	114.3	115.2	113.2	114.2	115.8				7
8			111.1	110.9	110.3	108.0	107.4	106.6	106.5	114.9	115.4	116.6	116.2	116.1				8
9		111.4	111.1	110.3	109.7	109.3	109.1	109.4	110.2	112.9	115.1	116.2	117.2	117.0				9
10		111.3	110.9	109.7	109.3	109.0	109.2	109.5	110.1	111.8	114.4	115.6	117.2	118.4	119.4	119.7		10
11		110.8	110.3	109.0	108.4	107.7	108.1	108.4	109.1	110.5	113.0	115.5	116.7	118.9	119.6	119.9		11
12	103.0	109.2	110.2	108.2	107.0	106.2	106.1	105.6	106.5	108.6	111.4	114.9	116.5	117.7	120.4	120.3		12
13	108.0	114.8	110.1	106.9	105.1	104.4	102.8	102.3	102.8	104.7	108.5	113.8	116.2	117.3	120.7	120.7		13
14	140.0	115.0	109.6	105.7	103.9	103.0	101.3	99.7	99.0	102.0	106.6	112.1	116.0	117.7	120.7	121.1	121.3	14
15		108.1	107.3	105.0	103.4	101.8	99.9	98.2	98.1	101.6	105.8	111.5	115.4	118.3	119.7	121.3	121.2	15
16		105.7	104.6	103.1	101.8	100.0	97.7	97.6	99.9	102.4	106.1	111.2	115.3	118.0	120.6	120.9	121.2	16
17		104.7	103.8	101.8	100.0	97.5	96.0	96.6	100.0	102.9	106.6	110.2	115.1	119.2	120.3	120.6		17
18		105.2	104.6	101.8	98.8	96.2	96.0	96.3	99.5	103.0	106.1	109.1	114.9	119.6	119.9			18
19		106.8	106.2	102.6	99.7	98.3	97.4	97.2	99.7	103.0	104.6	107.7	114.6	120.0	120.4			19
20	110.7	110.4	108.1	105.6	101.5	100.5	99.6	99.0	101.1	103.7	104.7	107.2	113.7	121.2	121.4			20
21	110.9	110.8	109.7	108.7	105.8	102.4	101.0	101.1	103.7	106.4	109.5	111.7	115.7	121.4	124.6	127.3		21
22	111.3	111.2	111.0	110.8	108.1	105.5	105.3	106.2	108.3	110.8	114.4	117.6	120.6	122.5	128.2	127.9		22
23	111.4	111.9	113.0	112.4	114.0	109.2	109.1	111.3	113.4	116.0	119.0	121.8	124.3	125.9	129.9	130.0		23
24		114.6	114.3	118.8	118.6	118.4	116.0	115.9	117.4	119.6	121.9	125.5	127.9	129.3	131.7	131.6		24
25		115.1	117.1	119.2	122.8	123.7	123.6	122.8	122.0	122.8	125.5	128.9	131.2	133.0	132.7	133.7	134.9	25
26			119.5	119.4	125.5	126.6	127.8	127.5	127.5	128.4	130.1	132.1	133.9	135.1	135.8	135.3	135.2	26
27			120.2	120.5	121.4	127.8	129.9	130.6	130.9	131.8	133.1	134.6	136.0	137.0	137.6	135.9	135.9	27
28			120.6	120.8	121.1	121.8	130.7	131.6	132.5	133.6	134.9	136.2	137.4	138.2	138.6	136.5	136.1	28
29					120.9	121.0	130.5	131.5	132.7	134.1	135.6	136.9	138.1	138.9	138.8	138.5		29
30					120.0	120.1	128.9	130.0	131.5	133.4	135.2	136.9	138.5	139.1	139.4			30
31					118.6	118.9	125.5	126.5	129.2	131.7	134.2	135.4	137.8	141.2	143.5			31
32					118.1	116.0	115.5	123.5	125.0	129.0	133.0	136.0	139.7	143.4	144.4			32
33						113.3	112.0	111.9	120.8	123.9	131.3	139.2	145.6	147.0	144.9			33
34						112.2	111.4	104.5	105.4	115.7	127.9	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

1

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 27 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.5	88.6	88.2	88.4	93.6	94.5										2
3			89.5	89.9	90.3	91.8	93.5	97.2	101.0	101.6								3
4			92.4	91.7	93.3	94.9	96.9	99.6	100.8	103.8	105.6							4
5			107.5	106.5	96.7	96.9	99.2	100.9	103.0	105.5	107.3	109.1						5
6			109.0	108.9	101.1	100.1	101.1	102.5	103.6	106.7	109.0	110.7	112.4					6
7			110.2	110.2	109.8	101.0	101.3	104.5	104.9	113.6	114.5	112.5	113.5	114.9				7
8			110.6	110.4	109.8	107.5	106.8	106.2	106.1	114.1	114.6	115.7	115.4	115.2				8
9		111.0	110.6	109.8	109.2	108.7	108.5	108.7	109.5	112.0	114.2	115.3	116.3	116.1				9
10		110.8	110.4	109.2	108.7	108.4	108.6	108.8	109.3	110.9	113.5	114.7	116.3	117.4	118.4	118.7		10
11		110.4	109.9	108.5	107.9	107.1	107.4	107.6	108.3	109.6	112.1	114.6	115.7	117.8	118.6	118.9		11
12	103.0	109.1	109.9	107.7	106.5	105.6	105.3	104.8	105.7	107.7	110.5	113.9	115.5	116.7	119.3	119.3		12
13	108.0	114.7	109.8	106.5	104.6	103.7	102.1	101.5	101.9	103.8	107.5	112.7	115.1	116.3	119.6	119.6		13
14	140.0	114.9	109.2	105.2	103.3	102.3	100.6	98.8	98.1	101.0	105.6	111.1	114.9	116.6	119.6	119.9	120.1	14
15		107.6	106.8	104.4	102.8	101.1	99.2	97.3	97.2	100.6	104.8	110.4	114.3	117.2	118.5	120.1	120.0	15
16		105.1	104.0	102.5	101.1	99.2	96.9	96.7	98.9	101.4	105.1	110.1	114.2	116.8	119.4	119.7	120.1	16
17		104.0	103.1	101.1	99.2	96.7	95.1	95.7	99.0	101.8	105.5	109.1	114.0	118.0	119.1	119.5		17
18		104.4	103.8	101.0	98.0	95.3	95.0	95.3	98.5	101.9	105.0	108.0	113.7	118.4	118.7			18
19		106.0	105.3	101.7	98.8	97.4	96.4	96.2	98.6	101.9	103.5	106.5	113.4	118.8	119.2			19
20	109.9	109.5	107.2	104.8	100.5	99.5	98.6	97.9	100.0	102.6	103.6	106.0	112.4	119.9	120.1			20
21	110.0	109.9	108.8	107.8	104.9	101.4	100.0	100.0	102.6	105.2	108.4	110.4	114.5	120.2	123.4	126.0		21
22	110.4	110.3	110.1	109.9	107.1	104.5	104.2	105.1	107.2	109.7	113.2	116.3	119.3	121.2	126.9	126.6		22
23	110.5	111.0	112.1	111.5	113.0	108.2	108.0	110.2	112.3	114.8	117.8	120.6	123.1	124.7	128.7	128.7		23
24		113.7	113.4	117.8	117.6	117.3	114.9	114.8	116.3	118.5	120.8	124.3	126.7	128.1	130.5	130.4		24
25		114.3	116.2	118.3	121.8	122.7	122.6	121.7	120.9	121.6	124.3	127.8	130.0	131.8	131.5	132.4	133.7	25
26			118.7	118.5	124.5	125.6	126.8	126.4	126.5	127.3	129.0	131.0	132.8	133.9	134.6	134.1	133.9	26
27			119.5	119.8	120.6	126.9	129.0	129.7	129.9	130.8	132.1	133.6	134.9	135.9	136.4	134.7	134.7	27
28			119.8	120.0	120.4	121.1	129.8	130.7	131.6	132.7	134.0	135.2	136.4	137.2	137.5	135.3	134.9	28
29					120.3	120.4	129.8	130.7	131.9	133.3	134.8	136.1	137.2	138.0	137.8	137.4		29
30					119.4	119.5	128.3	129.3	130.9	132.8	134.5	136.2	137.7	138.3	138.4			30
31					118.1	118.4	125.0	126.0	128.7	131.2	133.7	134.8	137.2	140.7	143.1			31
32					117.7	115.6	115.2	123.1	124.6	128.7	132.6	135.6	139.3	143.0	144.0			32
33						113.1	111.8	111.7	120.6	123.7	131.1	139.0	145.4	146.8	144.6			33
34						112.0	111.2	104.5	105.4	115.7	127.9	142.5	154.7	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 28 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.5	88.6	88.1	88.4	93.5	94.4										2
3			89.5	89.8	90.3	91.8	93.4	97.0	100.7	101.4								3
4			92.3	91.6	93.2	94.8	96.7	99.4	100.5	103.5	105.2							4
5			107.2	106.2	96.5	96.8	98.9	100.7	102.7	105.1	106.9	108.6						5
6			108.6	108.5	100.9	99.9	100.8	102.2	103.2	106.3	108.5	110.1	111.8					6
7			109.8	109.8	109.4	100.7	101.0	104.2	104.6	112.9	113.8	111.9	112.8	114.2				7
8			110.2	110.0	109.3	107.0	106.3	105.7	105.6	113.4	113.8	115.0	114.7	114.5				8
9		110.6	110.2	109.3	108.7	108.2	108.0	108.1	108.8	111.3	113.5	114.5	115.5	115.3				9
10		110.4	110.0	108.8	108.3	107.9	108.1	108.2	108.6	110.1	112.7	113.9	115.5	116.5	117.5	117.8		10
11		110.1	109.6	108.1	107.5	106.6	106.8	107.0	107.6	108.8	111.3	113.7	114.9	117.0	117.7	118.0		11
12	103.0	109.0	109.6	107.3	106.0	105.0	104.7	104.1	104.9	106.9	109.6	113.1	114.6	115.8	118.4	118.3		12
13	108.0	114.6	109.5	106.1	104.1	103.2	101.4	100.7	101.2	103.0	106.7	111.9	114.2	115.3	118.7	118.6		13
14	140.0	114.8	108.9	104.8	102.7	101.7	99.9	98.1	97.3	100.2	104.7	110.2	114.0	115.6	118.6	118.9	119.1	14
15		107.2	106.4	103.9	102.2	100.5	98.5	96.6	96.4	99.8	103.9	109.5	113.4	116.2	117.5	119.1	119.0	15
16		104.5	103.5	101.9	100.4	98.5	96.1	95.9	98.1	100.6	104.2	109.1	113.2	115.8	118.3	118.7	119.1	16
17		103.4	102.5	100.5	98.5	96.0	94.3	94.9	98.1	100.9	104.6	108.1	112.9	117.0	118.0	118.4		17
18		103.8	103.1	100.3	97.3	94.5	94.2	94.4	97.6	101.0	104.0	107.0	112.7	117.4	117.6			18
19		105.2	104.6	101.0	98.1	96.6	95.6	95.3	97.7	101.0	102.5	105.5	112.4	117.7	118.1			19
20	109.1	108.7	106.5	104.0	99.7	98.6	97.7	97.0	99.0	101.6	102.6	105.0	111.4	118.8	119.0			20
21	109.2	109.2	108.0	107.0	104.0	100.6	99.1	99.1	101.7	104.3	107.3	109.4	113.4	119.1	122.3	124.9		21
22	109.6	109.6	109.3	109.1	106.2	103.6	103.2	104.1	106.2	108.7	112.2	115.3	118.2	120.1	125.8	125.5		22
23	109.7	110.2	111.3	110.6	112.1	107.2	107.0	109.2	111.3	113.8	116.8	119.6	122.0	123.6	127.6	127.6		23
24		112.9	112.7	117.0	116.7	116.4	113.9	113.8	115.3	117.5	119.8	123.3	125.7	127.0	129.4	129.3		24
25		113.5	115.5	117.6	121.0	121.7	121.6	120.8	119.9	120.7	123.3	126.8	128.9	130.7	130.4	131.3	132.6	25
26			118.0	117.8	123.7	124.8	125.9	125.5	125.5	126.4	128.0	130.0	131.8	132.9	133.6	133.0	132.8	26
27			118.8	119.1	119.9	126.1	128.2	128.8	129.0	129.9	131.2	132.7	134.0	134.9	135.4	133.6	133.6	27
28			119.1	119.4	119.8	120.5	129.1	130.0	130.9	131.9	133.2	134.4	135.5	136.3	136.6	134.3	133.9	28
29					119.8	119.8	129.1	130.0	131.2	132.6	134.0	135.4	136.5	137.2	136.9	136.5		29
30					118.9	119.0	127.7	128.8	130.3	132.2	133.9	135.6	137.1	137.6	137.6			30
31					117.7	117.9	124.6	125.6	128.3	130.8	133.2	134.4	136.7	140.3	142.7			31
32					117.3	115.3	114.9	122.8	124.3	128.4	132.3	135.3	139.0	142.7	143.6			32
33						112.8	111.6	111.5	120.4	123.5	130.9	138.8	145.2	146.5	144.3			33
34						111.8	111.1	104.4	105.4	115.7	127.9	142.5	154.6	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

1

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 29 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.5	88.6	88.1	88.4	93.3	94.3										2
3			89.5	89.8	90.2	91.7	93.3	96.9	100.5	101.1								3
4			92.3	91.6	93.1	94.7	96.6	99.2	100.3	103.1	104.8							4
5			106.9	105.9	96.4	96.6	98.8	100.4	102.4	104.8	106.5	108.1						5
6			108.3	108.2	100.7	99.7	100.6	101.9	103.0	106.0	108.1	109.6	111.2					6
7			109.5	109.4	109.0	100.4	100.7	103.8	104.2	112.4	113.2	111.4	112.3	113.6				7
8			109.8	109.6	108.9	106.5	105.9	105.4	105.3	112.8	113.2	114.3	114.0	113.9				8
9		110.2	109.8	108.9	108.3	107.8	107.5	107.6	108.2	110.7	112.8	113.8	114.8	114.7				9
10		110.1	109.7	108.4	107.8	107.5	107.6	107.7	108.0	109.5	112.0	113.1	114.8	115.8	116.7	117.0		10
11		109.9	109.3	107.7	107.1	106.1	106.3	106.4	106.9	108.1	110.6	113.0	114.1	116.2	116.9	117.2		11
12	103.0	108.9	109.4	107.0	105.6	104.6	104.2	103.5	104.3	106.2	108.9	112.3	113.8	115.0	117.6	117.5		12
13	108.0	114.6	109.3	105.7	103.6	102.7	100.8	100.1	100.5	102.3	105.9	111.1	113.4	114.5	117.8	117.8		13
14	140.0	114.7	108.7	104.4	102.3	101.1	99.3	97.5	96.6	99.5	104.0	109.4	113.2	114.8	117.7	118.1	118.2	14
15		106.9	106.0	103.5	101.7	99.9	97.8	95.9	95.7	99.0	103.1	108.7	112.5	115.3	116.7	118.2	118.1	15
16		104.1	103.0	101.4	99.9	97.9	95.5	95.2	97.4	99.8	103.4	108.3	112.3	114.9	117.4	117.8	118.2	16
17		102.9	101.9	99.9	97.9	95.3	93.6	94.1	97.4	100.1	103.7	107.2	112.0	116.0	117.1	117.5		17
18		103.2	102.5	99.7	96.6	93.8	93.5	93.7	96.8	100.2	103.2	106.1	111.8	116.4	116.7			18
19		104.6	104.0	100.3	97.4	95.8	94.8	94.5	96.9	100.1	101.6	104.6	111.4	116.8	117.2			19
20	108.4	108.0	105.8	103.3	99.0	97.9	96.9	96.2	98.2	100.7	101.7	104.1	110.4	117.9	118.1			20
21	108.5	108.5	107.3	106.3	103.3	99.8	98.3	98.2	100.8	103.4	106.4	108.5	112.4	118.1	121.3	124.0		21
22	108.9	108.9	108.6	108.4	105.5	102.8	102.4	103.2	105.3	107.8	111.3	114.4	117.3	119.2	124.8	124.6		22
23	109.1	109.5	110.6	109.9	111.3	106.4	106.2	108.3	110.4	113.0	115.9	118.6	121.1	122.7	126.6	126.6		23
24		112.2	112.0	116.2	115.9	115.6	113.1	113.0	114.4	116.6	118.9	122.4	124.7	126.1	128.4	128.3		24
25		112.8	114.8	116.9	120.2	120.9	120.8	119.9	119.0	119.8	122.5	125.9	128.0	129.8	129.4	130.4	131.7	25
26			117.3	117.2	123.0	124.0	125.2	124.7	124.7	125.6	127.2	129.2	130.9	132.0	132.7	132.1	131.9	26
27			118.1	118.5	119.3	125.5	127.5	128.1	128.3	129.2	130.5	131.9	133.2	134.1	134.6	132.7	132.7	27
28			118.5	118.8	119.3	120.0	128.5	129.3	130.2	131.2	132.5	133.7	134.8	135.5	135.7	133.3	132.9	28
29					119.3	119.3	128.6	129.5	130.7	132.0	133.4	134.7	135.8	136.5	136.1	135.6		29
30					118.5	118.6	127.2	128.3	129.8	131.7	133.4	135.0	136.5	137.0	136.9			30
31					117.3	117.6	124.2	125.2	127.9	130.4	132.8	133.9	136.3	139.9	142.4			31
32					116.9	115.0	114.7	122.5	124.0	128.1	132.0	135.0	138.7	142.4	143.3			32
33						112.6	111.4	111.4	120.2	123.4	130.8	138.7	145.1	146.3	144.0			33
34						111.6	110.9	104.4	105.3	115.7	127.9	142.5	154.6	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

ANTIPOLO NONSTEADY-STATE, 30STEP (OPTIMAL PLAN) STEP= 30 SIMULATED PIEZOMETRIC HEADS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1				90.0	87.0	85.0												1
2			89.4	88.6	88.1	88.4	93.3	94.2										2
3			89.5	89.8	90.2	91.6	93.2	96.7	100.3	100.9								3
4			92.2	91.5	93.0	94.6	96.4	99.0	100.1	102.9	104.6							4
5			106.6	105.7	96.3	96.5	98.6	100.2	102.1	104.5	106.2	107.8						5
6			108.0	108.0	100.5	99.5	100.4	101.7	102.7	105.6	107.7	109.2	110.8					6
7			109.2	109.1	108.7	100.2	100.5	103.6	104.0	111.9	112.7	110.9	111.8	113.0				7
8			109.5	109.3	108.6	106.2	105.5	105.1	105.0	112.2	112.7	113.8	113.4	113.3				8
9		109.9	109.5	108.6	107.9	107.4	107.1	107.2	107.7	110.1	112.2	113.2	114.2	114.1				9
10		109.8	109.4	108.0	107.5	107.1	107.1	107.2	107.5	108.9	111.4	112.5	114.2	115.2	116.1	116.3		10
11		109.6	109.0	107.3	106.7	105.7	105.8	105.9	106.4	107.6	109.9	112.4	113.4	115.5	116.2	116.5		11
12	103.0	108.9	109.2	106.7	105.3	104.1	103.7	103.0	103.7	105.6	108.3	111.6	113.2	114.3	116.8	116.8		12
13	108.0	114.5	109.1	105.4	103.3	102.2	100.3	99.6	99.9	101.6	105.3	110.4	112.7	113.8	117.1	117.1		13
14	140.0	114.6	108.4	104.1	101.9	100.7	98.8	96.9	96.0	98.8	103.3	108.7	112.4	114.1	117.0	117.3	117.5	14
15		106.6	105.7	103.1	101.3	99.4	97.3	95.3	95.1	98.4	102.4	108.0	111.8	114.6	115.9	117.5	117.4	15
16		103.7	102.6	100.9	99.4	97.4	94.9	94.6	96.7	99.1	102.7	107.5	111.5	114.1	116.6	117.0	117.4	16
17		102.4	101.5	99.4	97.4	94.7	93.0	93.5	96.7	99.4	103.0	106.5	111.3	115.2	116.3	116.7		17
18		102.6	102.0	99.2	96.1	93.2	92.8	93.0	96.1	99.5	102.4	105.4	111.0	115.6	115.9			18
19		104.0	103.4	99.8	96.8	95.2	94.2	93.8	96.2	99.4	100.9	103.8	110.6	116.0	116.4			19
20	107.8	107.4	105.2	102.7	98.4	97.2	96.2	95.5	97.5	100.0	100.9	103.3	109.6	117.1	117.3			20
21	107.9	107.9	106.7	105.7	102.6	99.1	97.6	97.5	100.1	102.6	105.7	107.7	111.6	117.3	120.5	123.1		21
22	108.3	108.3	108.0	107.8	104.8	102.1	101.7	102.5	104.6	107.0	110.5	113.5	116.5	118.3	124.0	123.7		22
23	108.5	108.9	110.0	109.3	110.6	105.7	105.4	107.6	109.7	112.2	115.1	117.8	120.3	121.8	125.8	125.8		23
24		111.6	111.4	115.6	115.2	114.9	112.3	112.2	113.7	115.8	118.1	121.6	123.9	125.2	127.6	127.5		24
25		112.2	114.2	116.4	119.5	120.2	120.1	119.2	118.3	119.0	121.7	125.1	127.2	129.0	128.6	129.5	130.8	25
26			116.8	116.6	122.4	123.4	124.5	124.0	124.0	124.8	126.5	128.4	130.2	131.2	131.9	131.2	131.1	26
27			117.6	118.0	118.8	124.9	126.9	127.5	127.6	128.5	129.8	131.2	132.4	133.3	133.8	131.9	131.9	27
28			118.0	118.3	118.8	119.6	127.9	128.7	129.6	130.6	131.9	133.0	134.1	134.8	135.0	132.5	132.1	28
29					118.9	118.9	128.1	129.0	130.1	131.5	132.9	134.2	135.2	135.8	135.4	134.9		29
30					118.2	118.3	126.8	127.9	129.4	131.3	133.0	134.6	136.1	136.5	136.3			30
31					117.0	117.3	123.9	124.9	127.5	130.0	132.5	133.6	135.9	139.5	142.1			31
32					116.6	114.8	114.5	122.2	123.8	127.8	131.8	134.8	138.4	142.1	143.1			32
33						112.5	111.2	111.2	120.1	123.3	130.7	138.6	144.9	146.2	143.8			33
34						111.5	110.8	104.4	105.3	115.7	127.9	142.5	154.6	159.3				34
35								95.0	105.0	110.0	130.0	142.0	157.0	170.0				35
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

GROUNDWATER FLOW MODEL FOR THE METRO MANILA GROUNDWATER BASIN

SELECTED OUTPUT
FOR THE METRO MANILA GROUNDWATER BASIN MODEL
USING Q3P PROGRAM

MSA NONSTEADY-STATE.30STEPS

```
    NP =  829
    NE =  754
 NBAND =   30
 IDENT =    1
NSTEPS =   30
 NC(1) =   48
 NC(2) =   48
    DT =  365.
    X1 = 1350.0
    Y1 = 1380.0
  KQIN =    2
 KHOUT =    2
  KHIN =    0
  KPRI =    1
  NWEL =    7
   IHO =    1
  VIND =    5.0000


  IROW =   35
  JCOL =   28
```

NUMBER OF TIME STEP = 30 (FROM 1981 TO 2010)

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
1	22	23	2	1	100.0	0.0	0.316228	0.000000	0.000001	0.000000	0.00	1
2	23	24	3	2	100.0	0.0	0.316228	0.000000	0.000001	0.000000	0.00	2
3	24	25	4	3	100.0	0.0	0.316228	0.000000	0.000000	0.000000	0.00	3
4	25	26	5	4	100.0	0.0	0.316228	0.000000	0.000000	0.000000	0.00	4
5	26	27	6	5	100.0	0.0	0.316228	0.000000	0.000000	0.000000	0.00	5
6	27	28	7	6	100.0	0.0	0.316228	0.000000	0.000000	0.000000	1.00	6
7	28	29	8	7	50.0	0.0	0.316228	0.000000	0.000000	0.000000	1.00	7
8	29	30	9	8	45.0	0.0	0.316228	0.000000	0.000000	0.000000	2.00	8
9	30	31	10	9	40.0	0.0	0.316228	0.000000	0.000000	0.000000	2.00	9
10	31	32	11	10	35.0	0.0	0.316228	0.000000	0.000000	0.000000	2.00	10
11	32	33	12	11	30.0	0.0	0.316228	0.000000	0.000000	0.000000	10.00	11
12	33	34	13	12	25.0	0.0	0.316228	0.000000	0.000000	0.000000	12.00	12
13	34	35	14	13	25.0	0.0	0.316228	0.000000	0.000030	0.000000	26.00	13
14	35	36	15	14	50.0	0.0	0.316228	0.000000	0.000185	0.000000	20.00	14
15	36	37	16	15	50.0	0.0	0.316228	0.000000	0.000000	0.000000	32.00	15
16	37	38	17	16	50.0	0.0	0.316228	0.000000	0.000000	0.000000	42.00	16
17	38	39	18	17	50.0	0.0	0.316228	0.000000	0.000000	0.000000	44.00	17
18	39	40	19	18	50.0	0.0	0.316228	0.000000	0.000000	0.000000	52.00	18
19	40	41	20	19	50.0	0.0	0.316228	0.000000	0.000000	0.000000	64.00	19
20	41	42	21	20	50.0	0.0	0.316228	0.000000	0.000000	0.000000	88.00	20
21	49	50	23	22	100.0	0.0	1.000000	0.000000	0.000001	0.000000	0.00	21
22	50	51	24	23	55.0	0.0	0.010000	0.000000	0.000001	0.000000	1.00	22
23	51	52	25	24	55.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	23
24	52	53	26	25	55.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	24
25	53	54	27	26	55.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	25
26	54	55	28	27	55.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	26
27	55	56	29	28	50.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	27
28	56	57	30	29	45.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	28
29	57	58	31	30	40.0	0.0	0.010000	0.000000	0.000000	0.000000	4.00	29
30	58	59	32	31	35.0	0.0	0.010000	0.000000	0.000000	0.000000	6.00	30
31	59	60	33	32	30.0	0.0	0.010000	0.000000	0.000000	0.000000	10.00	31
32	60	61	34	33	25.0	0.0	0.010000	0.000000	0.000000	0.000000	16.00	32
33	61	62	35	34	25.0	0.0	0.010000	0.000000	0.000031	0.000000	24.00	33
34	62	63	36	35	50.0	0.0	0.010000	0.000000	0.000067	0.000000	24.00	34
35	63	64	37	36	50.0	0.0	0.050119	0.000000	0.000000	0.000000	32.00	35
36	64	65	38	37	50.0	0.0	0.050119	0.000000	0.000000	0.000000	37.00	36
37	65	66	39	38	50.0	0.0	0.050119	0.000000	0.000000	0.000000	44.00	37
38	66	67	40	39	50.0	0.0	0.050119	0.000000	0.000000	0.000000	56.00	38
39	67	68	41	40	50.0	0.0	0.050119	0.000000	0.000000	0.000000	64.00	39
40	68	69	42	41	50.0	0.0	0.050119	0.000000	0.000000	0.000000	86.00	40
41	69	70	43	42	50.0	0.0	0.050119	0.000000	0.000000	0.000000	48.00	41
42	70	71	44	43	50.0	0.0	0.050119	0.000000	0.000000	0.000000	38.00	42
43	72	73	46	45	150.0	0.0	0.050119	0.000000	0.000000	0.000000	20.00	43
44	73	74	47	46	150.0	0.0	0.050119	0.000000	0.000000	0.000000	18.00	44
45	74	75	48	47	150.0	0.0	0.050119	0.000000	0.000000	0.000000	18.00	45
46	76	77	50	49	100.0	0.0	1.000000	0.000000	0.000008	0.000000	0.00	46
47	77	78	51	50	55.0	0.0	0.010000	0.000000	0.000008	0.000000	1.00	47
48	78	79	52	51	55.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	48
49	79	80	53	52	55.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	49
50	80	81	54	53	55.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	50

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
51	81	82	55	54	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	51
52	82	83	56	55	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	52
53	83	84	57	56	50.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	53
54	84	85	58	57	45.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	54
55	85	86	59	58	40.0	0.0	0.010000	0.000000	0.000000	0.000000	4.00	55
56	86	87	60	59	35.0	0.0	0.010000	0.000000	0.000000	0.000000	8.00	56
57	87	88	61	60	30.0	0.0	0.010000	0.000000	0.000000	0.000000	8.00	57
58	88	89	62	61	25.0	0.0	0.010000	0.000000	0.000023	0.000000	20.00	58
59	89	90	63	62	50.0	0.0	0.010000	0.000000	0.000065	0.000000	40.00	59
60	90	91	64	63	50.0	0.0	0.010000	0.000000	0.000071	0.000000	49.00	60
61	91	92	65	64	50.0	0.0	0.050119	0.000000	0.000000	0.000000	49.00	61
62	92	93	66	65	50.0	0.0	0.050119	0.000000	0.000000	0.000000	56.00	62
63	93	94	67	66	50.0	0.0	0.050119	0.000000	0.000000	0.000000	60.00	63
64	94	95	68	67	50.0	0.0	0.050119	0.000000	0.000000	0.000000	72.00	64
65	95	96	69	68	50.0	0.0	0.050119	0.000000	0.000000	0.000000	82.00	65
66	96	97	70	69	50.0	0.0	0.050119	0.000000	0.000000	0.000000	26.00	66
67	97	98	71	70	50.0	0.0	0.050119	0.000000	0.000000	0.000000	26.00	67
68	99	100	73	72	150.0	0.0	0.050119	0.000000	0.000000	0.000000	18.00	68
69	100	101	74	73	150.0	0.0	0.050119	0.000000	0.000000	0.000000	17.00	69
70	101	102	75	74	150.0	0.0	0.050119	0.000000	0.000000	0.000000	18.00	70
71	103	104	77	76	100.0	0.0	1.000000	0.000000	0.000008	0.000000	0.00	71
72	104	105	78	77	55.0	0.0	0.010000	0.000000	0.000008	0.000000	0.00	72
73	105	106	79	78	55.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	73
74	106	107	80	79	55.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	74
75	107	108	81	80	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	75
76	108	109	82	81	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	76
77	109	110	83	82	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	77
78	110	111	84	83	52.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	78
79	111	112	85	84	45.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	79
80	112	113	86	85	40.0	0.0	0.010000	0.000000	0.000000	0.000000	3.00	80
81	113	114	87	86	35.0	0.0	0.010000	0.000000	0.000000	0.000000	4.00	81
82	114	115	88	87	35.0	0.0	0.010000	0.000000	0.000000	0.000000	8.00	82
83	115	116	89	88	35.0	0.0	0.010000	0.000000	0.000018	0.000000	18.00	83
84	116	117	90	89	50.0	0.0	0.010000	0.000000	0.000062	0.000000	35.00	84
85	117	118	91	90	50.0	0.0	0.010000	0.000000	0.000065	0.000000	52.00	85
86	118	119	92	91	50.0	0.0	0.050119	0.000000	0.000000	0.000000	51.00	86
87	119	120	93	92	50.0	0.0	0.050119	0.000000	0.000000	0.000000	69.00	87
88	120	121	94	93	50.0	0.0	0.050119	0.000000	0.000000	0.000000	80.00	88
89	121	122	95	94	50.0	0.0	0.050119	0.000000	0.000000	0.000000	68.00	89
90	122	123	96	95	50.0	0.0	0.050119	0.000000	0.000000	0.000000	69.00	90
91	123	124	97	96	50.0	0.0	0.050119	0.000000	0.000000	0.000000	78.00	91
92	124	125	98	97	50.0	0.0	0.050119	0.000000	0.000000	0.000000	60.00	92
93	125	126	99	98	150.0	0.0	0.050119	0.000000	0.000000	0.000000	16.00	93
94	126	127	100	99	150.0	0.0	0.010000	0.000000	0.000385	0.000000	14.00	94
95	127	128	101	100	150.0	0.0	0.010000	0.000000	0.000385	0.000000	16.00	95
96	129	130	104	103	100.0	0.0	1.000000	0.000000	0.000008	0.000000	0.00	96
97	130	131	105	104	55.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	97
98	131	132	106	105	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	98
99	132	133	107	106	55.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	99
100	133	134	108	107	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	100

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
101	134	135	109	108	60.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	101
102	135	136	110	109	60.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	102
103	136	137	111	110	55.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	103
104	137	138	112	111	45.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	104
105	138	139	113	112	40.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	105
106	139	140	114	113	35.0	0.0	0.010000	0.000000	0.000002	0.000000	4.00	106
107	140	141	115	114	35.0	0.0	0.010000	0.000000	0.000002	0.000000	16.00	107
108	141	142	116	115	40.0	0.0	0.010000	0.000000	0.000019	0.000000	20.00	108
109	142	143	117	116	50.0	0.0	0.010000	0.000000	0.000067	0.000000	36.00	109
110	143	144	118	117	50.0	0.0	0.010000	0.000000	0.000062	0.000000	35.00	110
111	144	145	119	118	75.0	0.0	0.050119	0.000000	0.000000	0.000000	36.00	111
112	145	146	120	119	70.0	0.0	0.050119	0.000000	0.000000	0.000000	52.00	112
113	146	147	121	120	65.0	0.0	0.050119	0.000000	0.000000	0.000000	68.00	113
114	147	148	122	121	50.0	0.0	0.050119	0.000000	0.000000	0.000000	68.00	114
115	148	149	123	122	50.0	0.0	0.050119	0.000000	0.000000	0.000000	68.00	115
116	149	150	124	123	50.0	0.0	0.050119	0.000000	0.000000	0.000000	66.00	116
117	150	151	125	124	75.0	0.0	0.050119	0.000000	0.000000	0.000000	11.00	117
118	151	152	126	125	160.0	0.0	0.050119	0.000000	0.000000	0.000000	10.00	118
119	152	153	127	126	155.0	0.0	0.010000	0.000000	0.000333	0.000000	17.00	119
120	153	154	128	127	150.0	0.0	0.010000	0.000000	0.000333	0.000000	18.00	120
121	155	156	130	129	100.0	0.0	1.000000	0.000000	0.000009	0.000000	0.00	121
122	156	157	131	130	50.0	0.0	0.010000	0.000000	0.000009	0.000000	0.00	122
123	157	158	132	131	55.0	0.0	0.010000	0.000000	0.000009	0.000000	2.00	123
124	158	159	133	132	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	124
125	159	160	134	133	55.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	125
126	160	161	135	134	60.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	126
127	161	162	136	135	65.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	127
128	162	163	137	136	60.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	128
129	163	164	138	137	50.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	129
130	164	165	139	138	40.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	130
131	165	166	140	139	30.0	0.0	0.010000	0.000000	0.000003	0.000000	5.00	131
132	166	167	141	140	30.0	0.0	0.010000	0.000000	0.000030	0.000000	16.00	132
133	167	168	142	141	35.0	0.0	0.010000	0.000000	0.000008	0.000000	20.00	133
134	168	169	143	142	40.0	0.0	0.010000	0.000000	0.000042	0.000000	22.00	134
135	169	170	144	143	60.0	0.0	0.010000	0.000000	0.000167	0.000000	26.00	135
136	170	171	145	144	95.0	0.0	0.050119	0.000000	0.000000	0.000000	29.00	136
137	171	172	146	145	95.0	0.0	0.050119	0.000000	0.000000	0.000000	40.00	137
138	172	173	147	146	90.0	0.0	0.050119	0.000000	0.000000	0.000000	50.00	138
139	173	174	148	147	50.0	0.0	0.050119	0.000000	0.000000	0.000000	65.00	139
140	174	175	149	148	50.0	0.0	0.050119	0.000000	0.000000	0.000000	58.00	140
141	175	176	150	149	50.0	0.0	0.050119	0.000000	0.000000	0.000000	28.00	141
142	176	177	151	150	65.0	0.0	0.010000	0.000000	0.000192	0.000000	10.00	142
143	177	178	152	151	80.0	0.0	0.010000	0.000000	0.000278	0.000000	11.00	143
144	178	179	153	152	125.0	0.0	0.010000	0.000000	0.000312	0.000000	18.00	144
145	179	180	154	153	140.0	0.0	0.010000	0.000000	0.000312	0.000000	20.00	145
146	181	182	156	155	50.0	0.0	1.000000	0.000000	0.000010	0.000000	0.00	146
147	182	183	157	156	50.0	0.0	0.010000	0.000000	0.000010	0.000000	0.00	147
148	183	184	158	157	45.0	0.0	0.010000	0.000000	0.000010	0.000000	0.00	148
149	184	185	159	158	40.0	0.0	0.010000	0.000000	0.000010	0.000000	0.00	149
150	185	186	160	159	40.0	0.0	0.010000	0.000000	0.000010	0.000000	1.00	150

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
151	186	187	161	160	45.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	151
152	187	188	162	161	50.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	152
153	188	189	163	162	70.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	153
154	189	190	164	163	84.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	154
155	190	191	165	164	30.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	155
156	191	192	166	165	28.0	0.0	0.010000	0.000000	0.000037	0.000000	6.00	156
157	192	193	167	166	30.0	0.0	0.010000	0.000000	0.000030	0.000000	11.00	157
158	193	194	168	167	35.0	0.0	0.010000	0.000000	0.000018	0.000000	17.00	158
159	194	195	169	168	40.0	0.0	0.010000	0.000000	0.000010	0.000000	18.00	159
160	195	196	170	169	50.0	0.0	0.010000	0.000000	0.000030	0.000000	28.00	160
161	196	197	171	170	145.0	0.0	0.010000	0.000000	0.000074	0.000000	30.00	161
162	197	198	172	171	190.0	0.0	0.050119	0.000000	0.000000	0.000000	40.00	162
163	198	199	173	172	120.0	0.0	0.050119	0.000000	0.000000	0.000000	49.00	163
164	199	200	174	173	60.0	0.0	0.050119	0.000000	0.000000	0.000000	60.00	164
165	200	201	175	174	50.0	0.0	0.010000	0.000000	0.000294	0.000000	34.00	165
166	201	202	176	175	65.0	0.0	0.010000	0.000000	0.000278	0.000000	14.00	166
167	202	203	177	176	90.0	0.0	0.010000	0.000000	0.000208	0.000000	10.00	167
168	203	204	178	177	63.0	0.0	0.010000	0.000000	0.000263	0.000000	12.00	168
169	204	205	179	178	120.0	0.0	0.050119	0.000000	0.000000	0.000000	20.00	169
170	206	207	182	181	50.0	0.0	1.000000	0.000000	0.000009	0.000000	0.00	170
171	207	208	183	182	20.0	0.0	1.000000	0.000000	0.000009	0.000000	0.00	171
172	208	209	184	183	50.0	0.0	0.010000	0.000000	0.000009	0.000000	0.00	172
173	209	210	185	184	30.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	173
174	210	211	186	185	30.0	0.0	0.010000	0.000000	0.000024	0.000000	0.00	174
175	211	212	187	186	30.0	0.0	0.010000	0.000000	0.000024	0.000000	0.00	175
176	212	213	188	187	27.0	0.0	0.010000	0.000000	0.000001	0.000000	1.00	176
177	213	214	189	188	25.0	0.0	0.010000	0.000000	0.000005	0.000000	1.00	177
178	214	215	190	189	56.0	0.0	0.010000	0.000000	0.000010	0.000000	1.00	178
179	215	216	191	190	32.0	0.0	0.010000	0.000000	0.000003	0.000000	2.00	179
180	216	217	192	191	29.0	0.0	0.010000	0.000000	0.000004	0.000000	9.00	180
181	217	218	193	192	35.0	0.0	0.010000	0.000000	0.000002	0.000000	9.00	181
182	218	219	194	193	40.0	0.0	0.010000	0.000000	0.000019	0.000000	10.00	182
183	219	220	195	194	45.0	0.0	0.010000	0.000000	0.000035	0.000000	12.00	183
184	220	221	196	195	53.0	0.0	0.010000	0.000000	0.000059	0.000000	19.00	184
185	221	222	197	196	95.0	0.0	0.010000	0.000000	0.000111	0.000000	37.00	185
186	222	223	198	197	160.0	0.0	0.010000	0.000000	0.000294	0.000000	43.00	186
187	223	224	199	198	110.0	0.0	0.050119	0.000000	0.000000	0.000000	48.00	187
188	224	225	200	199	75.0	0.0	0.050119	0.000000	0.000000	0.000000	58.00	188
189	225	226	201	200	55.0	0.0	0.010000	0.000000	0.000238	0.000000	36.00	189
190	226	227	202	201	70.0	0.0	0.010000	0.000000	0.000200	0.000000	8.00	190
191	227	228	203	202	315.0	0.0	0.010000	0.000000	0.000227	0.000000	10.00	191
192	228	229	204	203	120.0	0.0	0.010000	0.000000	0.000227	0.000000	15.00	192
193	229	230	205	204	110.0	0.0	0.050119	0.000000	0.000000	0.000000	24.00	193
194	231	232	208	207	20.0	0.0	1.000000	0.000000	0.000003	0.000000	0.00	194
195	232	233	209	208	20.0	0.0	1.000000	0.000000	0.000030	0.000000	0.00	195
196	233	234	210	209	50.0	0.0	0.010000	0.000000	0.000030	0.000000	0.00	196
197	234	235	211	210	30.0	0.0	0.010000	0.000000	0.000032	0.000000	0.00	197
198	235	236	212	211	30.0	0.0	0.010000	0.000000	0.000035	0.000000	0.00	198
199	236	237	213	212	32.0	0.0	0.010000	0.000000	0.000033	0.000000	0.00	199
200	237	238	214	213	21.0	0.0	0.010000	0.000000	0.000029	0.000000	0.00	200

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
201	238	239	215	214	25.0	0.0	0.010000	0.000000	0.000031	0.000000	1.00	201
202	239	240	216	215	90.0	0.0	0.010000	0.000000	0.000004	0.000000	1.00	202
203	240	241	217	216	30.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	203
204	241	242	218	217	40.0	0.0	0.010000	0.000000	0.000003	0.000000	4.00	204
205	242	243	219	218	50.0	0.0	0.010000	0.000000	0.000009	0.000000	8.00	205
206	243	244	220	219	60.0	0.0	0.010000	0.000000	0.000029	0.000000	11.00	206
207	244	245	221	220	75.0	0.0	0.010000	0.000000	0.000031	0.000000	26.00	207
208	245	246	222	221	105.0	0.0	0.010000	0.000000	0.000031	0.000000	34.00	208
209	246	247	223	222	120.0	0.0	0.010000	0.000000	0.000029	0.000000	37.00	209
210	247	248	224	223	110.0	0.0	0.050119	0.000000	0.000000	0.000000	51.00	210
211	248	249	225	224	85.0	0.0	0.050119	0.000000	0.000000	0.000000	62.00	211
212	249	250	226	225	70.0	0.0	0.010000	0.000000	0.000200	0.000000	8.00	212
213	250	251	227	226	306.0	0.0	0.010000	0.000000	0.000208	0.000000	7.00	213
214	251	252	228	227	305.0	0.0	0.010000	0.000000	0.000238	0.000000	10.00	214
215	252	253	229	228	110.0	0.0	0.050119	0.000000	0.000000	0.000000	17.00	215
216	254	255	233	232	20.0	0.0	1.000000	0.000000	0.000008	0.000000	0.00	216
217	255	256	234	233	50.0	0.0	0.010000	0.000000	0.000029	0.000000	0.00	217
218	256	257	235	234	30.0	0.0	0.010000	0.000000	0.000021	0.000000	0.00	218
219	257	258	236	235	30.0	0.0	0.010000	0.000000	0.000024	0.000000	0.00	219
220	258	259	237	236	30.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	220
221	259	260	238	237	25.0	0.0	0.010000	0.000000	0.000056	0.000000	0.00	221
222	260	261	239	238	20.0	0.0	0.010000	0.000000	0.000062	0.000000	1.00	222
223	261	262	240	239	20.0	0.0	0.010000	0.000000	0.000013	0.000000	1.00	223
224	262	263	241	240	15.0	0.0	0.010000	0.000000	0.000009	0.000000	2.00	224
225	263	264	242	241	70.0	0.0	0.010000	0.000000	0.000012	0.000000	3.00	225
226	264	265	243	242	90.0	0.0	0.010000	0.000000	0.000044	0.000000	14.00	226
227	265	266	244	243	85.0	0.0	0.010000	0.000000	0.000062	0.000000	13.00	227
228	266	267	245	244	105.0	0.0	0.010000	0.000000	0.000047	0.000000	20.00	228
229	267	268	246	245	110.0	0.0	0.010000	0.000000	0.000001	0.000000	31.00	229
230	268	269	247	246	115.0	0.0	0.010000	0.000000	0.000001	0.000000	37.00	230
231	269	270	248	247	90.0	0.0	0.010000	0.000000	0.000080	0.000000	44.00	231
232	270	271	249	248	80.0	0.0	0.010000	0.000000	0.000185	0.000000	42.00	232
233	271	272	250	249	110.0	0.0	0.010000	0.000000	0.000200	0.000000	5.00	233
234	272	273	251	250	110.0	0.0	0.010000	0.000000	0.000217	0.000000	10.00	234
235	273	274	252	251	70.0	0.0	0.010000	0.000000	0.000227	0.000000	13.00	235
236	274	275	253	252	50.0	0.0	0.050119	0.000000	0.000000	0.000000	22.00	236
237	276	277	255	254	20.0	0.0	1.000000	0.000000	0.000003	0.000000	0.00	237
238	277	278	256	255	20.0	0.0	1.000000	0.000000	0.000007	0.000000	0.00	238
239	278	279	257	256	50.0	0.0	0.010000	0.000000	0.000007	0.000000	0.00	239
240	279	280	258	257	30.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	240
241	280	281	259	258	25.0	0.0	0.010000	0.000000	0.000042	0.000000	0.00	241
242	281	282	260	259	20.0	0.0	0.010000	0.000000	0.000045	0.000000	0.00	242
243	282	283	261	260	20.0	0.0	0.010000	0.000000	0.000045	0.000000	1.00	243
244	283	284	262	261	20.0	0.0	0.010000	0.000000	0.000006	0.000000	2.00	244
245	284	285	263	262	18.0	0.0	0.010000	0.000000	0.000012	0.000000	10.00	245
246	285	286	264	263	65.0	0.0	0.010000	0.000000	0.000007	0.000000	15.00	246
247	286	287	265	264	210.0	0.0	0.010000	0.000000	0.000059	0.000000	6.00	247
248	287	288	266	265	90.0	0.0	0.010000	0.000000	0.000067	0.000000	7.00	248
249	288	289	267	266	100.0	0.0	0.010000	0.000000	0.000050	0.000000	24.00	249
250	289	290	268	267	105.0	0.0	0.010000	0.000000	0.000001	0.000000	33.00	250

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
251	290	291	269	268	90.0	0.0	0.010000	0.000000	0.000001	0.000000	39.00	251
252	291	292	270	269	80.0	0.0	0.010000	0.000000	0.000091	0.000000	52.00	252
253	292	293	271	270	90.0	0.0	0.010000	0.000000	0.000065	0.000000	14.00	253
254	293	294	272	271	170.0	0.0	0.010000	0.000000	0.000083	0.000000	4.00	254
255	294	295	273	272	50.0	0.0	0.010000	0.000000	0.000087	0.000000	7.00	255
256	295	296	274	273	35.0	0.0	0.010000	0.000000	0.000083	0.000000	16.00	256
257	296	297	275	274	20.0	0.0	0.050119	0.000000	0.000000	0.000000	27.00	257
258	298	299	278	277	20.0	0.0	1.000000	0.000000	0.000001	0.000000	0.00	258
259	299	300	279	278	50.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	259
260	300	301	280	279	30.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	260
261	301	302	281	280	25.0	0.0	0.010000	0.000000	0.000033	0.000000	0.00	261
262	302	303	282	281	20.0	0.0	0.010000	0.000000	0.000006	0.000000	0.00	262
263	303	304	283	282	17.0	0.0	0.010000	0.000000	0.000002	0.000000	0.00	263
264	304	305	284	283	20.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	264
265	305	306	285	284	20.0	0.0	0.010000	0.000000	0.000006	0.000000	2.00	265
266	306	307	286	285	50.0	0.0	0.010000	0.000000	0.000053	0.000000	10.00	266
267	307	308	287	286	270.0	0.0	0.010000	0.000000	0.000056	0.000000	8.00	267
268	308	309	288	287	12.0	0.0	0.010000	0.000000	0.000038	0.000000	12.00	268
269	309	310	289	288	50.0	0.0	0.010000	0.000000	0.000008	0.000000	16.00	269
270	310	311	290	289	75.0	0.0	0.010000	0.000000	0.000001	0.000000	32.00	270
271	311	312	291	290	80.0	0.0	0.010000	0.000000	0.000001	0.000000	42.00	271
272	312	313	292	291	90.0	0.0	0.010000	0.000000	0.000023	0.000000	42.00	272
273	313	314	293	292	100.0	0.0	0.010000	0.000000	0.000023	0.000000	10.00	273
274	314	315	294	293	150.0	0.0	0.010000	0.000000	0.000032	0.000000	4.00	274
275	315	316	295	294	70.0	0.0	0.010000	0.000000	0.000041	0.000000	11.00	275
276	316	317	296	295	30.0	0.0	0.010000	0.000000	0.000042	0.000000	12.00	276
277	317	318	297	296	20.0	0.0	0.050119	0.000000	0.000000	0.000000	34.00	277
278	319	320	299	298	20.0	0.0	1.000000	0.000000	0.000001	0.000000	0.00	278
279	320	321	300	299	20.0	0.0	1.000000	0.000000	0.000001	0.000000	0.00	279
280	321	322	301	300	50.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	280
281	322	323	302	301	30.0	0.0	0.010000	0.000000	0.000032	0.000000	0.00	281
282	323	324	303	302	25.0	0.0	0.010000	0.000000	0.000015	0.000000	0.00	282
283	324	325	304	303	20.0	0.0	0.010000	0.000000	0.000006	0.000000	0.00	283
284	325	326	305	304	25.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	284
285	326	327	306	305	20.0	0.0	0.010000	0.000000	0.000004	0.000000	2.00	285
286	327	328	307	306	11.0	0.0	0.010000	0.000000	0.000011	0.000000	2.00	286
287	328	329	308	307	250.0	0.0	0.010000	0.000000	0.000012	0.000000	5.00	287
288	329	330	309	308	40.0	0.0	0.010000	0.000000	0.000045	0.000000	4.00	288
289	330	331	310	309	45.0	0.0	0.010000	0.000000	0.000010	0.000000	8.00	289
290	331	332	311	310	55.0	0.0	0.010000	0.000000	0.000017	0.000000	20.00	290
291	332	333	312	311	65.0	0.0	0.010000	0.000000	0.000047	0.000000	38.00	291
292	333	334	313	312	75.0	0.0	0.010000	0.000000	0.000042	0.000000	42.00	292
293	334	335	314	313	170.0	0.0	0.010000	0.000000	0.000080	0.000000	6.00	293
294	335	336	315	314	200.0	0.0	0.010000	0.000000	0.000031	0.000000	2.00	294
295	336	337	316	315	100.0	0.0	0.010000	0.000000	0.000031	0.000000	8.00	295
296	337	338	317	316	80.0	0.0	0.010000	0.000000	0.000077	0.000000	9.00	296
297	338	339	318	317	20.0	0.0	0.050119	0.000000	0.000000	0.000000	24.00	297
298	340	341	321	320	20.0	0.0	1.000000	0.000000	0.000001	0.000000	0.00	298
299	341	342	322	321	50.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	299
300	342	343	323	322	30.0	0.0	0.010000	0.000000	0.000015	0.000000	0.00	300

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
301	343	344	324	323	30.0	0.0	0.010000	0.000000	0.000061	0.000000	0.00	301
302	344	345	325	324	30.0	0.0	0.010000	0.000000	0.000061	0.000000	0.00	302
303	345	346	326	325	25.0	0.0	0.010000	0.000000	0.000065	0.000000	2.00	303
304	346	347	327	326	25.0	0.0	0.010000	0.000000	0.000029	0.000000	2.00	304
305	347	348	328	327	22.0	0.0	0.010000	0.000000	0.000001	0.000000	2.00	305
306	348	349	329	328	40.0	0.0	0.010000	0.000000	0.000006	0.000000	6.00	306
307	349	350	330	329	30.0	0.0	0.010000	0.000000	0.000050	0.000000	2.00	307
308	350	351	331	330	40.0	0.0	0.010000	0.000000	0.000020	0.000000	8.00	308
309	351	352	332	331	60.0	0.0	0.010000	0.000000	0.000167	0.000000	27.00	309
310	352	353	333	332	90.0	0.0	0.010000	0.000000	0.000125	0.000000	44.00	310
311	353	354	334	333	170.0	0.0	0.010000	0.000000	0.000059	0.000000	16.00	311
312	354	355	335	334	210.0	0.0	0.010000	0.000000	0.000043	0.000000	4.00	312
313	355	356	336	335	180.0	0.0	0.010000	0.000000	0.000013	0.000000	8.00	313
314	356	357	337	336	140.0	0.0	0.010000	0.000000	0.000048	0.000000	7.00	314
315	357	358	338	337	75.0	0.0	0.010000	0.000000	0.000033	0.000000	7.00	315
316	358	359	339	338	25.0	0.0	0.010000	0.000000	0.000053	0.000000	20.00	316
317	360	361	341	340	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	317
318	361	362	342	341	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	318
319	362	363	343	342	50.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	319
320	363	364	344	343	30.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	320
321	364	365	345	344	30.0	0.0	0.010000	0.000000	0.000002	0.000000	0.00	321
322	365	366	346	345	30.0	0.0	0.010000	0.000000	0.000006	0.000000	1.00	322
323	366	367	347	346	25.0	0.0	0.010000	0.000000	0.000020	0.000000	2.00	323
324	367	368	348	347	25.0	0.0	0.010000	0.000000	0.000001	0.000000	2.00	324
325	368	369	349	348	35.0	0.0	0.010000	0.000000	0.000008	0.000000	2.00	325
326	369	370	350	349	35.0	0.0	0.010000	0.000000	0.000018	0.000000	2.00	326
327	370	371	351	350	40.0	0.0	0.010000	0.000000	0.000009	0.000000	8.00	327
328	371	372	352	351	60.0	0.0	0.010000	0.000000	0.000133	0.000000	16.00	328
329	372	373	353	352	95.0	0.0	0.010000	0.000000	0.000095	0.000000	28.00	329
330	373	374	354	353	95.0	0.0	0.010000	0.000000	0.000014	0.000000	10.00	330
331	374	375	355	354	140.0	0.0	0.010000	0.000000	0.000008	0.000000	6.00	331
332	375	376	356	355	130.0	0.0	0.010000	0.000000	0.000031	0.000000	6.00	332
333	376	377	357	356	120.0	0.0	0.010000	0.000000	0.000037	0.000000	6.00	333
334	377	378	358	357	90.0	0.0	0.010000	0.000000	0.000026	0.000000	7.00	334
335	378	379	359	358	30.0	0.0	0.050119	0.000000	0.000000	0.000000	11.00	335
336	380	381	362	361	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	336
337	381	382	363	362	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	337
338	382	383	364	363	30.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	338
339	383	384	365	364	25.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	339
340	384	385	366	365	20.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	340
341	385	386	367	366	15.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	341
342	386	387	368	367	20.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	342
343	387	388	369	368	30.0	0.0	0.010000	0.000000	0.000031	0.000000	3.00	343
344	388	389	370	369	35.0	0.0	0.010000	0.000000	0.000031	0.000000	3.00	344
345	389	390	371	370	40.0	0.0	0.010000	0.000000	0.000005	0.000000	2.00	345
346	390	391	372	371	60.0	0.0	0.010000	0.000000	0.000039	0.000000	12.00	346
347	391	392	373	372	80.0	0.0	0.010000	0.000000	0.000040	0.000000	32.00	347
348	392	393	374	373	20.0	0.0	0.010000	0.000000	0.000000	0.000000	11.00	348
349	393	394	375	374	60.0	0.0	0.010000	0.000000	0.000021	0.000000	7.00	349
350	394	395	376	375	80.0	0.0	0.010000	0.000000	0.000056	0.000000	5.00	350

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
351	395	396	377	376	130.0	0.0	0.010000	0.000000	0.000161	0.000000	6.00	351
352	396	397	378	377	150.0	0.0	0.010000	0.000000	0.000128	0.000000	6.00	352
353	397	398	379	378	60.0	0.0	0.010000	0.000000	0.000039	0.000000	12.00	353
354	399	400	381	380	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	354
355	400	401	382	381	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	355
356	401	402	383	382	25.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	356
357	402	403	384	383	20.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	357
358	403	404	385	384	14.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	358
359	404	405	386	385	8.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	359
360	405	406	387	386	15.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	360
361	406	407	388	387	20.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	361
362	407	408	389	388	30.0	0.0	0.010000	0.000000	0.000001	0.000000	1.00	362
363	408	409	390	389	40.0	0.0	0.010000	0.000000	0.000037	0.000000	3.00	363
364	409	410	391	390	95.0	0.0	0.010000	0.000000	0.000031	0.000000	8.00	364
365	410	411	392	391	40.0	0.0	0.010000	0.000000	0.000023	0.000000	32.00	365
366	411	412	393	392	15.0	0.0	0.010000	0.000000	0.000054	0.000000	7.00	366
367	412	413	394	393	10.0	0.0	0.010000	0.000000	0.000185	0.000000	4.00	367
368	413	414	395	394	60.0	0.0	0.010000	0.000000	0.000087	0.000000	2.00	368
369	414	415	396	395	70.0	0.0	0.010000	0.000000	0.000105	0.000000	4.00	369
370	415	416	397	396	220.0	0.0	0.010000	0.000000	0.000111	0.000000	6.00	370
371	416	417	398	397	200.0	0.0	0.010000	0.000000	0.000056	0.000000	6.00	371
372	418	419	400	399	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	372
373	419	420	401	400	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	373
374	420	421	402	401	30.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	374
375	421	422	403	402	30.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	375
376	422	423	404	403	20.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	376
377	423	424	405	404	5.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	377
378	424	425	406	405	30.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	378
379	425	426	407	406	55.0	0.0	0.010000	0.000000	0.000015	0.000000	3.00	379
380	426	427	408	407	50.0	0.0	0.010000	0.000000	0.000040	0.000000	3.00	380
381	427	428	409	408	25.0	0.0	0.010000	0.000000	0.000095	0.000000	2.00	381
382	428	429	410	409	40.0	0.0	0.010000	0.000000	0.000033	0.000000	4.00	382
383	429	430	411	410	30.0	0.0	0.010000	0.000000	0.000024	0.000000	4.00	383
384	430	431	412	411	20.0	0.0	0.010000	0.000000	0.000036	0.000000	4.00	384
385	431	432	413	412	15.0	0.0	0.010000	0.000000	0.000071	0.000000	2.00	385
386	432	433	414	413	60.0	0.0	0.010000	0.000000	0.000031	0.000000	2.00	386
387	433	434	415	414	80.0	0.0	0.010000	0.000000	0.000045	0.000000	2.00	387
388	434	435	416	415	164.0	0.0	0.010000	0.000000	0.000125	0.000000	2.00	388
389	435	436	417	416	232.0	0.0	0.010000	0.000000	0.000095	0.000000	4.00	389
390	439	440	419	418	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	390
391	440	441	420	419	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	391
392	441	442	421	420	35.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	392
393	442	443	422	421	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	393
394	443	444	423	422	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	394
395	444	445	424	423	60.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	395
396	445	446	425	424	110.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	396
397	446	447	426	425	120.0	0.0	0.010000	0.000000	0.000043	0.000000	2.00	397
398	447	448	427	426	75.0	0.0	0.010000	0.000000	0.000071	0.000000	4.00	398
399	448	449	428	427	30.0	0.0	0.010000	0.000000	0.000032	0.000000	10.00	399
400	449	450	429	428	10.0	0.0	0.010000	0.000000	0.000007	0.000000	13.00	400

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
401	450	451	430	429	20.0	0.0	0.010000	0.000000	0.000047	0.000000	4.00	401
402	451	452	431	430	15.0	0.0	0.010000	0.000000	0.000074	0.000000	3.00	402
403	452	453	432	431	12.0	0.0	0.010000	0.000000	0.000074	0.000000	2.00	403
404	453	454	433	432	55.0	0.0	0.010000	0.000000	0.000021	0.000000	2.00	404
405	454	455	434	433	70.0	0.0	0.010000	0.000000	0.000003	0.000000	2.00	405
406	455	456	435	434	100.0	0.0	0.010000	0.000000	0.000003	0.000000	4.00	406
407	456	457	436	435	120.0	0.0	0.010000	0.000000	0.000125	0.000000	4.00	407
408	457	458	437	436	40.0	0.0	0.010000	0.000000	0.000185	0.000000	10.00	408
409	461	462	439	438	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	409
410	462	463	440	439	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	410
411	463	464	441	440	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	411
412	464	465	442	441	35.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	412
413	465	466	443	442	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	413
414	466	467	444	443	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	414
415	467	468	445	444	120.0	0.0	0.010000	0.000000	0.000016	0.000000	0.00	415
416	468	469	446	445	190.0	0.0	0.010000	0.000000	0.000067	0.000000	2.00	416
417	469	470	447	446	100.0	0.0	0.010000	0.000000	0.000074	0.000000	2.00	417
418	470	471	448	447	70.0	0.0	0.010000	0.000000	0.000071	0.000000	4.00	418
419	471	472	449	448	45.0	0.0	0.010000	0.000000	0.000005	0.000000	14.00	419
420	472	473	450	449	53.0	0.0	0.010000	0.000000	0.000006	0.000000	16.00	420
421	473	474	451	450	70.0	0.0	0.010000	0.000000	0.000047	0.000000	2.00	421
422	474	475	452	451	80.0	0.0	0.010000	0.000000	0.000074	0.000000	1.00	422
423	475	476	453	452	75.0	0.0	0.010000	0.000000	0.000037	0.000000	1.00	423
424	476	477	454	453	75.0	0.0	0.010000	0.000000	0.000023	0.000000	2.00	424
425	477	478	455	454	75.0	0.0	0.010000	0.000000	0.000003	0.000000	1.00	425
426	478	479	456	455	70.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	426
427	479	480	457	456	80.0	0.0	0.010000	0.000000	0.000026	0.000000	0.00	427
428	480	481	458	457	50.0	0.0	0.010000	0.000000	0.000080	0.000000	0.00	428
429	484	485	460	459	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	429
430	485	486	461	460	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	430
431	486	487	462	461	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	431
432	487	488	463	462	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	432
433	488	489	464	463	35.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	433
434	489	490	465	464	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	434
435	490	491	466	465	45.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	435
436	491	492	467	466	80.0	0.0	0.010000	0.000000	0.000015	0.000000	0.00	436
437	492	493	468	467	140.0	0.0	0.010000	0.000000	0.000032	0.000000	0.00	437
438	493	494	469	468	180.0	0.0	0.010000	0.000000	0.000037	0.000000	2.00	438
439	494	495	470	469	85.0	0.0	0.010000	0.000000	0.000077	0.000000	3.00	439
440	495	496	471	470	60.0	0.0	0.010000	0.000000	0.000039	0.000000	4.00	440
441	496	497	472	471	40.0	0.0	0.010000	0.000000	0.000029	0.000000	9.00	441
442	497	498	473	472	45.0	0.0	0.010000	0.000000	0.000011	0.000000	6.00	442
443	498	499	474	473	100.0	0.0	0.010000	0.000000	0.000033	0.000000	1.00	443
444	499	500	475	474	155.0	0.0	0.010000	0.000000	0.000040	0.000000	1.00	444
445	500	501	476	475	90.0	0.0	0.010000	0.000000	0.000027	0.000000	0.00	445
446	501	502	477	476	85.0	0.0	0.010000	0.000000	0.000019	0.000000	0.00	446
447	502	503	478	477	80.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	447
448	503	504	479	478	70.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	448
449	504	505	480	479	60.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	449
450	505	506	481	480	50.0	0.0	0.010000	0.000000	0.000020	0.000000	0.00	450

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
451	506	507	482	481	20.0	0.0	0.010000	0.000000	0.000019	0.000000	0.00	451
452	509	510	484	483	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	452
453	510	511	485	484	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	453
454	511	512	486	485	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	454
455	512	513	487	486	50.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	455
456	513	514	488	487	35.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	456
457	514	515	489	488	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	457
458	515	516	490	489	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	458
459	516	517	491	490	60.0	0.0	0.010000	0.000000	0.000015	0.000000	0.00	459
460	517	518	492	491	110.0	0.0	0.010000	0.000000	0.000022	0.000000	0.00	460
461	518	519	493	492	140.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	461
462	519	520	494	493	160.0	0.0	0.010000	0.000000	0.000028	0.000000	2.00	462
463	520	521	495	494	150.0	0.0	0.010000	0.000000	0.000067	0.000000	3.00	463
464	521	522	496	495	55.0	0.0	0.010000	0.000000	0.000058	0.000000	10.00	464
465	522	523	497	496	35.0	0.0	0.010000	0.000000	0.000026	0.000000	10.00	465
466	523	524	498	497	40.0	0.0	0.010000	0.000000	0.000011	0.000000	9.00	466
467	524	525	499	498	120.0	0.0	0.010000	0.000000	0.000010	0.000000	1.00	467
468	525	526	500	499	90.0	0.0	0.010000	0.000000	0.000021	0.000000	0.00	468
469	526	527	501	500	85.0	0.0	0.010000	0.000000	0.000020	0.000000	0.00	469
470	527	528	502	501	75.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	470
471	528	529	503	502	70.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	471
472	529	530	504	503	60.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	472
473	530	531	505	504	55.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	473
474	531	532	506	505	50.0	0.0	0.010000	0.000000	0.000020	0.000000	0.00	474
475	532	533	507	506	20.0	0.0	0.010000	0.000000	0.000018	0.000000	0.00	475
476	534	535	509	508	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	476
477	535	536	510	509	20.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	477
478	536	537	511	510	20.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	478
479	537	538	512	511	45.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	479
480	538	539	513	512	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	480
481	539	540	514	513	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	481
482	540	541	515	514	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	482
483	541	542	516	515	45.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	483
484	542	543	517	516	80.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	484
485	543	544	518	517	120.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	485
486	544	545	519	518	130.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	486
487	545	546	520	519	75.0	0.0	0.010000	0.000000	0.000025	0.000000	2.00	487
488	546	547	521	520	195.0	0.0	0.010000	0.000000	0.000039	0.000000	3.00	488
489	547	548	522	521	60.0	0.0	0.010000	0.000000	0.000013	0.000000	5.00	489
490	548	549	523	522	30.0	0.0	0.010000	0.000000	0.000009	0.000000	12.00	490
491	549	550	524	523	21.0	0.0	0.010000	0.000000	0.000011	0.000000	11.00	491
492	550	551	525	524	130.0	0.0	0.010000	0.000000	0.000006	0.000000	1.00	492
493	551	552	526	525	65.0	0.0	0.010000	0.000000	0.000008	0.000000	0.00	493
494	552	553	527	526	70.0	0.0	0.010000	0.000000	0.000019	0.000000	0.00	494
495	553	554	528	527	75.0	0.0	0.010000	0.000000	0.000019	0.000000	0.00	495
496	554	555	529	528	70.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	496
497	555	556	530	529	65.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	497
498	556	557	531	530	300.0	0.0	1.000000	0.000000	0.000003	0.000000	0.00	498
499	557	558	532	531	300.0	0.0	1.000000	0.000000	0.000003	0.000000	0.00	499
500	559	560	535	534	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	500

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
501	560	561	536	535	100.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	501
502	561	562	537	536	60.0	0.0	0.010000	0.000000	0.000036	0.000000	0.00	502
503	562	563	538	537	110.0	0.0	0.010000	0.000000	0.000179	0.000000	0.00	503
504	563	564	539	538	25.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	504
505	564	565	540	539	40.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	505
506	565	566	541	540	40.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	506
507	566	567	542	541	60.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	507
508	567	568	543	542	90.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	508
509	568	569	544	543	140.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	509
510	569	570	545	544	120.0	0.0	0.010000	0.000000	0.000028	0.000000	0.00	510
511	570	571	546	545	80.0	0.0	0.010000	0.000000	0.000100	0.000000	1.00	511
512	571	572	547	546	75.0	0.0	0.010000	0.000000	0.000044	0.000000	2.00	512
513	572	573	548	547	40.0	0.0	0.010000	0.000000	0.000008	0.000000	6.00	513
514	573	574	549	548	25.0	0.0	0.010000	0.000000	0.000032	0.000000	12.00	514
515	574	575	550	549	15.0	0.0	0.010000	0.000000	0.000125	0.000000	20.00	515
516	575	576	551	550	85.0	0.0	0.010000	0.000000	0.000133	0.000000	2.00	516
517	576	577	552	551	80.0	0.0	0.010000	0.000000	0.000185	0.000000	0.00	517
518	577	578	553	552	80.0	0.0	0.010000	0.000000	0.000037	0.000000	0.00	518
519	578	579	554	553	250.0	0.0	0.010000	0.000000	0.000026	0.000000	0.00	519
520	579	580	555	554	300.0	0.0	1.000000	0.000000	0.000026	0.000000	0.00	520
521	580	581	556	555	300.0	0.0	1.000000	0.000000	0.000028	0.000000	0.00	521
522	581	582	557	556	300.0	0.0	1.000000	0.000000	0.000029	0.000000	0.00	522
523	583	584	560	559	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	523
524	584	585	561	560	100.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	524
525	585	586	562	561	80.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	525
526	586	587	563	562	120.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	526
527	587	588	564	563	25.0	0.0	0.010000	0.000000	0.000018	0.000000	0.00	527
528	588	589	565	564	35.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	528
529	589	590	566	565	42.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	529
530	590	591	567	566	70.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	530
531	591	592	568	567	110.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	531
532	592	593	569	568	180.0	0.0	0.010000	0.000000	0.000026	0.000000	0.00	532
533	593	594	570	569	110.0	0.0	0.010000	0.000000	0.000070	0.000000	2.00	533
534	594	595	571	570	85.0	0.0	0.010000	0.000000	0.000133	0.000000	2.00	534
535	595	596	572	571	90.0	0.0	0.010000	0.000000	0.000036	0.000000	2.00	535
536	596	597	573	572	55.0	0.0	0.010000	0.000000	0.000021	0.000000	9.00	536
537	597	598	574	573	30.0	0.0	0.010000	0.000000	0.000091	0.000000	16.00	537
538	598	599	575	574	25.0	0.0	0.010000	0.000000	0.000095	0.000000	20.00	538
539	599	600	576	575	80.0	0.0	0.010000	0.000000	0.000200	0.000000	1.00	539
540	600	601	577	576	85.0	0.0	0.010000	0.000000	0.000167	0.000000	0.00	540
541	601	602	578	577	90.0	0.0	0.010000	0.000000	0.000071	0.000000	0.00	541
542	602	603	579	578	250.0	0.0	0.010000	0.000000	0.000036	0.000000	0.00	542
543	603	604	580	579	300.0	0.0	1.000000	0.000000	0.000026	0.000000	0.00	543
544	605	606	584	583	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	544
545	606	607	585	584	60.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	545
546	607	608	586	585	75.0	0.0	0.010000	0.000000	0.000007	0.000000	0.00	546
547	608	609	587	586	70.0	0.0	0.010000	0.000000	0.000003	0.000000	0.00	547
548	609	610	588	587	55.0	0.0	0.010000	0.000000	0.000004	0.000000	0.00	548
549	610	611	589	588	35.0	0.0	0.010000	0.000000	0.000004	0.000000	0.00	549
550	611	612	590	589	40.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	550

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
551	612	613	591	590	60.0	0.0	0.010000	0.000000	0.000029	0.000000	0.00	551
552	613	614	592	591	121.0	0.0	0.010000	0.000000	0.000032	0.000000	0.00	552
553	614	615	593	592	180.0	0.0	0.010000	0.000000	0.000038	0.000000	1.00	553
554	615	616	594	593	90.0	0.0	0.010000	0.000000	0.000020	0.000000	2.00	554
555	616	617	595	594	80.0	0.0	0.010000	0.000000	0.000067	0.000000	2.00	555
556	617	618	596	595	110.0	0.0	0.010000	0.000000	0.000067	0.000000	6.00	556
557	618	619	597	596	170.0	0.0	0.010000	0.000000	0.000037	0.000000	10.00	557
558	619	620	598	597	60.0	0.0	0.010000	0.000000	0.000030	0.000000	16.00	558
559	620	621	599	598	30.0	0.0	0.010000	0.000000	0.000333	0.000000	12.00	559
560	621	622	600	599	70.0	0.0	0.010000	0.000000	0.000128	0.000000	2.00	560
561	622	623	601	600	85.0	0.0	0.010000	0.000000	0.000152	0.000000	0.00	561
562	623	624	602	601	250.0	0.0	0.010000	0.000000	0.000067	0.000000	0.00	562
563	624	625	603	602	300.0	0.0	1.000000	0.000000	0.000069	0.000000	0.00	563
564	625	626	604	603	300.0	0.0	1.000000	0.000000	0.000025	0.000000	0.00	564
565	627	628	606	605	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	565
566	628	629	607	606	130.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	566
567	629	630	608	607	130.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	567
568	630	631	609	608	125.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	568
569	631	632	610	609	90.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	569
570	632	633	611	610	16.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	570
571	633	634	612	611	59.0	0.0	0.010000	0.000000	0.000005	0.000000	0.00	571
572	634	635	613	612	70.0	0.0	0.010000	0.000000	0.000045	0.000000	1.00	572
573	635	636	614	613	210.0	0.0	0.010000	0.000000	0.000010	0.000000	1.00	573
574	636	637	615	614	200.0	0.0	0.010000	0.000000	0.000010	0.000000	3.00	574
575	637	638	616	615	90.0	0.0	0.010000	0.000000	0.000056	0.000000	4.00	575
576	638	639	617	616	85.0	0.0	0.010000	0.000000	0.000016	0.000000	6.00	576
577	639	640	618	617	95.0	0.0	0.010000	0.000000	0.000007	0.000000	8.00	577
578	640	641	619	618	120.0	0.0	0.010000	0.000000	0.000011	0.000000	14.00	578
579	641	642	620	619	70.0	0.0	0.010000	0.000000	0.000030	0.000000	20.00	579
580	642	643	621	620	23.0	0.0	0.010000	0.000000	0.000061	0.000000	8.00	580
581	643	644	622	621	150.0	0.0	0.010000	0.000000	0.000047	0.000000	2.00	581
582	644	645	623	622	210.0	0.0	0.010000	0.000000	0.000048	0.000000	0.00	582
583	645	646	624	623	250.0	0.0	0.010000	0.000000	0.000051	0.000000	0.00	583
584	646	647	625	624	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	584
585	648	649	628	627	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	585
586	649	650	629	628	180.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	586
587	650	651	630	629	195.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	587
588	651	652	631	630	220.0	0.0	0.010000	0.000000	0.000000	0.000000	2.00	588
589	652	653	632	631	175.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	589
590	653	654	633	632	100.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	590
591	654	655	634	633	90.0	0.0	0.010000	0.000000	0.000000	0.000000	1.00	591
592	655	656	635	634	80.0	0.0	0.010000	0.000000	0.000070	0.000000	1.00	592
593	656	657	636	635	110.0	0.0	0.010000	0.000000	0.000018	0.000000	4.00	593
594	657	658	637	636	95.0	0.0	0.010000	0.000000	0.000002	0.000000	6.00	594
595	658	659	638	637	90.0	0.0	0.010000	0.000000	0.000004	0.000000	10.00	595
596	659	660	639	638	85.0	0.0	0.010000	0.000000	0.000067	0.000000	14.00	596
597	660	661	640	639	85.0	0.0	0.010000	0.000000	0.000077	0.000000	14.00	597
598	661	662	641	640	90.0	0.0	0.010000	0.000000	0.000053	0.000000	16.00	598
599	662	663	642	641	95.0	0.0	0.010000	0.000000	0.000032	0.000000	12.00	599
600	663	664	643	642	130.0	0.0	0.010000	0.000000	0.000051	0.000000	2.00	600

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
601	664	665	644	643	210.0	0.0	0.010000	0.000000	0.000048	0.000000	0.00	601
602	665	666	645	644	220.0	0.0	0.010000	0.000000	0.000048	0.000000	0.00	602
603	666	667	646	645	250.0	0.0	0.010000	0.000000	0.000028	0.000000	0.00	603
604	667	668	647	646	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	604
605	669	670	649	648	100.0	0.0	1.000000	0.000000	0.000000	0.000000	0.00	605
606	670	671	650	649	185.0	0.0	0.010000	0.000000	0.000000	0.000000	0.00	606
607	671	672	651	650	240.0	0.0	0.010000	0.000000	0.000007	0.000000	2.00	607
608	672	673	652	651	210.0	0.0	0.010000	0.000000	0.000045	0.000000	2.00	608
609	673	674	653	652	170.0	0.0	0.010000	0.000000	0.000053	0.000000	3.00	609
610	674	675	654	653	125.0	0.0	0.010000	0.000000	0.000067	0.000000	3.00	610
611	675	676	655	654	100.0	0.0	0.010000	0.000000	0.000263	0.000000	4.00	611
612	676	677	656	655	90.0	0.0	0.010000	0.000000	0.000133	0.000000	5.00	612
613	677	678	657	656	90.0	0.0	0.010000	0.000000	0.000012	0.000000	7.00	613
614	678	679	658	657	90.0	0.0	0.010000	0.000000	0.000000	0.000000	10.00	614
615	679	680	659	658	80.0	0.0	0.010000	0.000000	0.000000	0.000000	10.00	615
616	680	681	660	659	80.0	0.0	0.010000	0.000000	0.000172	0.000000	18.00	616
617	681	682	661	660	80.0	0.0	0.010000	0.000000	0.000185	0.000000	22.00	617
618	682	683	662	661	85.0	0.0	0.010000	0.000000	0.000048	0.000000	23.00	618
619	683	684	663	662	90.0	0.0	0.010000	0.000000	0.000033	0.000000	11.00	619
620	684	685	664	663	150.0	0.0	0.010000	0.000000	0.000104	0.000000	2.00	620
621	685	686	665	664	220.0	0.0	0.010000	0.000000	0.000111	0.000000	0.00	621
622	686	687	666	665	220.0	0.0	0.010000	0.000000	0.000116	0.000000	0.00	622
623	687	688	667	666	250.0	0.0	0.010000	0.000000	0.000059	0.000000	0.00	623
624	688	689	668	667	300.0	0.0	1.000000	0.000000	0.000033	0.000000	0.00	624
625	690	691	670	669	170.0	0.0	1.000000	0.000000	0.000001	0.000000	2.00	625
626	691	692	671	670	170.0	0.0	0.010000	0.000000	0.000002	0.000000	2.00	626
627	692	693	672	671	236.0	0.0	0.010000	0.000000	0.000001	0.000000	3.00	627
628	693	694	673	672	200.0	0.0	0.010000	0.000000	0.000238	0.000000	5.00	628
629	694	695	674	673	140.0	0.0	0.010000	0.000000	0.000238	0.000000	5.00	629
630	695	696	675	674	100.0	0.0	0.010000	0.000000	0.000250	0.000000	8.00	630
631	696	697	676	675	95.0	0.0	0.010000	0.000000	0.000217	0.000000	8.00	631
632	697	698	677	676	90.0	0.0	0.010000	0.000000	0.000227	0.000000	9.00	632
633	698	699	678	677	80.0	0.0	0.010000	0.000000	0.000080	0.000000	9.00	633
634	699	700	679	678	100.0	0.0	0.010000	0.000000	0.000167	0.000000	14.00	634
635	700	701	680	679	100.0	0.0	0.010000	0.000000	0.000161	0.000000	14.00	635
636	701	702	681	680	100.0	0.0	0.010000	0.000000	0.000172	0.000000	15.00	636
637	702	703	682	681	80.0	0.0	0.010000	0.000000	0.000200	0.000000	30.00	637
638	703	704	683	682	90.0	0.0	0.010000	0.000000	0.000003	0.000000	24.00	638
639	704	705	684	683	120.0	0.0	0.010000	0.000000	0.000002	0.000000	10.00	639
640	705	706	685	684	250.0	0.0	0.010000	0.000000	0.002041	0.000000	2.00	640
641	706	707	686	685	220.0	0.0	0.010000	0.000000	0.000109	0.000000	0.00	641
642	707	708	687	686	220.0	0.0	0.010000	0.000000	0.000111	0.000000	0.00	642
643	708	709	688	687	250.0	0.0	0.010000	0.000000	0.000029	0.000000	0.00	643
644	709	710	689	688	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	644
645	711	712	691	690	120.0	0.0	1.000000	0.000000	0.000002	0.000000	5.00	645
646	712	713	692	691	120.0	0.0	0.010000	0.000000	0.000001	0.000000	5.00	646
647	713	714	693	692	110.0	0.0	0.010000	0.000000	0.000001	0.000000	5.00	647
648	714	715	694	693	95.0	0.0	0.010000	0.000000	0.000045	0.000000	7.00	648
649	715	716	695	694	90.0	0.0	0.010000	0.000000	0.000217	0.000000	10.00	649
650	716	717	696	695	85.0	0.0	0.010000	0.000000	0.000200	0.000000	10.00	650

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
651	717	718	697	696	80.0	0.0	0.010000	0.000000	0.000200	0.000000	12.00	651
652	718	719	698	697	75.0	0.0	0.010000	0.000000	0.000185	0.000000	12.00	652
653	719	720	699	698	100.0	0.0	0.010000	0.000000	0.000167	0.000000	16.00	653
654	720	721	700	699	100.0	0.0	0.010000	0.000000	0.000167	0.000000	19.00	654
655	721	722	701	700	100.0	0.0	0.010000	0.000000	0.000161	0.000000	24.00	655
656	722	723	702	701	100.0	0.0	0.010000	0.000000	0.000179	0.000000	20.00	656
657	723	724	703	702	80.0	0.0	0.010000	0.000000	0.000077	0.000000	32.00	657
658	724	725	704	703	90.0	0.0	0.010000	0.000000	0.000045	0.000000	28.00	658
659	725	726	705	704	120.0	0.0	0.010000	0.000000	0.000071	0.000000	16.00	659
660	726	727	706	705	270.0	0.0	0.010000	0.000000	0.000135	0.000000	2.00	660
661	727	728	707	706	220.0	0.0	0.010000	0.000000	0.000128	0.000000	0.00	661
662	728	729	708	707	220.0	0.0	0.010000	0.000000	0.000048	0.000000	0.00	662
663	729	730	709	708	250.0	0.0	0.010000	0.000000	0.000021	0.000000	0.00	663
664	730	731	710	709	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	664
665	733	734	712	711	90.0	0.0	1.000000	0.000000	0.000001	0.000000	8.00	665
666	734	735	713	712	90.0	0.0	0.010000	0.000000	0.000001	0.000000	10.00	666
667	735	736	714	713	90.0	0.0	0.010000	0.000000	0.000001	0.000000	10.00	667
668	736	737	715	714	90.0	0.0	0.010000	0.000000	0.000029	0.000000	11.00	668
669	737	738	716	715	85.0	0.0	0.010000	0.000000	0.000200	0.000000	13.00	669
670	738	739	717	716	80.0	0.0	0.010000	0.000000	0.000192	0.000000	14.00	670
671	739	740	718	717	75.0	0.0	0.010000	0.000000	0.000179	0.000000	18.00	671
672	740	741	719	718	100.0	0.0	0.010000	0.000000	0.000161	0.000000	18.00	672
673	741	742	720	719	100.0	0.0	0.010000	0.000000	0.000167	0.000000	22.00	673
674	742	743	721	720	100.0	0.0	0.010000	0.000000	0.000161	0.000000	30.00	674
675	743	744	722	721	100.0	0.0	0.050119	0.000000	0.000000	0.000000	30.00	675
676	744	745	723	722	100.0	0.0	0.050119	0.000000	0.000000	0.000000	36.00	676
677	745	746	724	723	75.0	0.0	0.050119	0.000000	0.000000	0.000000	30.00	677
678	746	747	725	724	85.0	0.0	0.050119	0.000000	0.000000	0.000000	27.00	678
679	747	748	726	725	95.0	0.0	0.010000	0.000000	0.000080	0.000000	17.00	679
680	748	749	727	726	210.0	0.0	0.010000	0.000000	0.000071	0.000000	2.00	680
681	749	750	728	727	220.0	0.0	0.010000	0.000000	0.000067	0.000000	0.00	681
682	750	751	729	728	220.0	0.0	0.010000	0.000000	0.000030	0.000000	0.00	682
683	751	752	730	729	250.0	0.0	0.010000	0.000000	0.000023	0.000000	0.00	683
684	752	753	731	730	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	684
685	753	754	732	731	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	685
686	756	757	734	733	85.0	0.0	1.000000	0.000000	0.000037	0.000000	12.00	686
687	757	758	735	734	85.0	0.0	0.010000	0.000000	0.000032	0.000000	14.00	687
688	758	759	736	735	85.0	0.0	0.010000	0.000000	0.000029	0.000000	15.00	688
689	759	760	737	736	80.0	0.0	0.010000	0.000000	0.000028	0.000000	17.00	689
690	760	761	738	737	80.0	0.0	0.010000	0.000000	0.000026	0.000000	17.00	690
691	761	762	739	738	75.0	0.0	0.050119	0.000000	0.000000	0.000000	22.00	691
692	762	763	740	739	100.0	0.0	0.050119	0.000000	0.000000	0.000000	27.00	692
693	763	764	741	740	100.0	0.0	0.050119	0.000000	0.000000	0.000000	28.00	693
694	764	765	742	741	100.0	0.0	0.050119	0.000000	0.000000	0.000000	32.00	694
695	765	766	743	742	100.0	0.0	0.050119	0.000000	0.000000	0.000000	32.00	695
696	766	767	744	743	100.0	0.0	0.050119	0.000000	0.000000	0.000000	36.00	696
697	767	768	745	744	100.0	0.0	0.050119	0.000000	0.000000	0.000000	36.00	697
698	768	769	746	745	100.0	0.0	0.050119	0.000000	0.000000	0.000000	41.00	698
699	769	770	747	746	80.0	0.0	0.050119	0.000000	0.000000	0.000000	28.00	699
700	770	771	748	747	90.0	0.0	0.010000	0.000000	0.000034	0.000000	15.00	700

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
701	771	772	749	748	140.0	0.0	0.010000	0.000000	0.000038	0.000000	4.00	701
702	772	773	750	749	220.0	0.0	0.010000	0.000000	0.000029	0.000000	0.00	702
703	773	774	751	750	220.0	0.0	0.010000	0.000000	0.000029	0.000000	0.00	703
704	774	775	752	751	220.0	0.0	0.010000	0.000000	0.000021	0.000000	0.00	704
705	775	776	753	752	250.0	0.0	0.010000	0.000000	0.000021	0.000000	0.00	705
706	776	777	754	753	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	706
707	777	778	755	754	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	707
708	780	781	757	756	75.0	0.0	1.000000	0.000000	0.000032	0.000000	14.00	708
709	781	782	758	757	75.0	0.0	0.050119	0.000000	0.000000	0.000000	16.00	709
710	782	783	759	758	100.0	0.0	0.050119	0.000000	0.000000	0.000000	20.00	710
711	783	784	760	759	100.0	0.0	0.050119	0.000000	0.000000	0.000000	24.00	711
712	784	785	761	760	100.0	0.0	0.050119	0.000000	0.000000	0.000000	24.00	712
713	785	786	762	761	100.0	0.0	0.050119	0.000000	0.000000	0.000000	30.00	713
714	786	787	763	762	100.0	0.0	0.050119	0.000000	0.000000	0.000000	32.00	714
715	787	788	764	763	100.0	0.0	0.050119	0.000000	0.000000	0.000000	35.00	715
716	788	789	765	764	100.0	0.0	0.050119	0.000000	0.000000	0.000000	44.00	716
717	789	790	766	765	100.0	0.0	0.050119	0.000000	0.000000	0.000000	52.00	717
718	790	791	767	766	100.0	0.0	0.050119	0.000000	0.000000	0.000000	50.00	718
719	791	792	768	767	100.0	0.0	0.050119	0.000000	0.000000	0.000000	48.00	719
720	792	793	769	768	100.0	0.0	0.050119	0.000000	0.000000	0.000000	49.00	720
721	793	794	770	769	100.0	0.0	0.050119	0.000000	0.000000	0.000000	32.00	721
722	794	795	771	770	80.0	0.0	0.010000	0.000000	0.000001	0.000000	19.00	722
723	795	796	772	771	90.0	0.0	0.010000	0.000000	0.000001	0.000000	6.00	723
724	796	797	773	772	160.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	724
725	797	798	774	773	220.0	0.0	0.010000	0.000000	0.000001	0.000000	0.00	725
726	798	799	775	774	220.0	0.0	0.010000	0.000000	0.000006	0.000000	0.00	726
727	799	800	776	775	220.0	0.0	0.010000	0.000000	0.000006	0.000000	0.00	727
728	800	801	777	776	250.0	0.0	0.010000	0.000000	0.000022	0.000000	0.00	728
729	801	802	778	777	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	729
730	802	803	779	778	300.0	0.0	1.000000	0.000000	0.000023	0.000000	0.00	730
731	805	806	781	780	100.0	0.0	0.316228	0.000000	0.000000	0.000000	20.00	731
732	806	807	782	781	100.0	0.0	0.316228	0.000000	0.000000	0.000000	27.00	732
733	807	808	783	782	100.0	0.0	0.316228	0.000000	0.000000	0.000000	28.00	733
734	808	809	784	783	100.0	0.0	0.316228	0.000000	0.000000	0.000000	30.00	734
735	809	810	785	784	100.0	0.0	0.316228	0.000000	0.000000	0.000000	35.00	735
736	810	811	786	785	100.0	0.0	0.316228	0.000000	0.000000	0.000000	41.00	736
737	811	812	787	786	100.0	0.0	0.316228	0.000000	0.000000	0.000000	42.00	737
738	812	813	788	787	100.0	0.0	0.316228	0.000000	0.000000	0.000000	40.00	738
739	813	814	789	788	100.0	0.0	0.316228	0.000000	0.000000	0.000000	40.00	739
740	814	815	790	789	100.0	0.0	0.316228	0.000000	0.000000	0.000000	64.00	740
741	815	816	791	790	100.0	0.0	0.316228	0.000000	0.000000	0.000000	68.00	741
742	816	817	792	791	100.0	0.0	0.316228	0.000000	0.000000	0.000000	68.00	742
743	817	818	793	792	100.0	0.0	0.316228	0.000000	0.000000	0.000000	59.00	743
744	818	819	794	793	100.0	0.0	0.316228	0.000000	0.000000	0.000000	34.00	744
745	819	820	795	794	100.0	0.0	0.316228	0.000000	0.000001	0.000000	19.00	745
746	820	821	796	795	100.0	0.0	0.316228	0.000000	0.000001	0.000000	7.00	746
747	821	822	797	796	100.0	0.0	0.316228	0.000000	0.000001	0.000000	1.00	747
748	822	823	798	797	200.0	0.0	0.316228	0.000000	0.000001	0.000000	0.00	748
749	823	824	799	798	220.0	0.0	0.316228	0.000000	0.000001	0.000000	0.00	749
750	824	825	800	799	220.0	0.0	0.316228	0.000000	0.000001	0.000000	0.00	750

NOP(I,J), Transmissivity, Storage coefficient, Leakance

I	NOP(I,J)				T(1)	T(2)	S(1)	S(2)	K/B(1)	K/B(2)	HF	I
751	825	826	801	800	250.0	0.0	0.316228	0.000000	0.000021	0.000000	0.00	751
752	826	827	802	801	300.0	0.0	0.316228	0.000000	0.000021	0.000000	0.00	752
753	827	828	803	802	300.0	0.0	0.316228	0.000000	0.000023	0.000000	0.00	753
754	828	829	804	803	300.0	0.0	0.316228	0.000000	0.000023	0.000000	0.00	754

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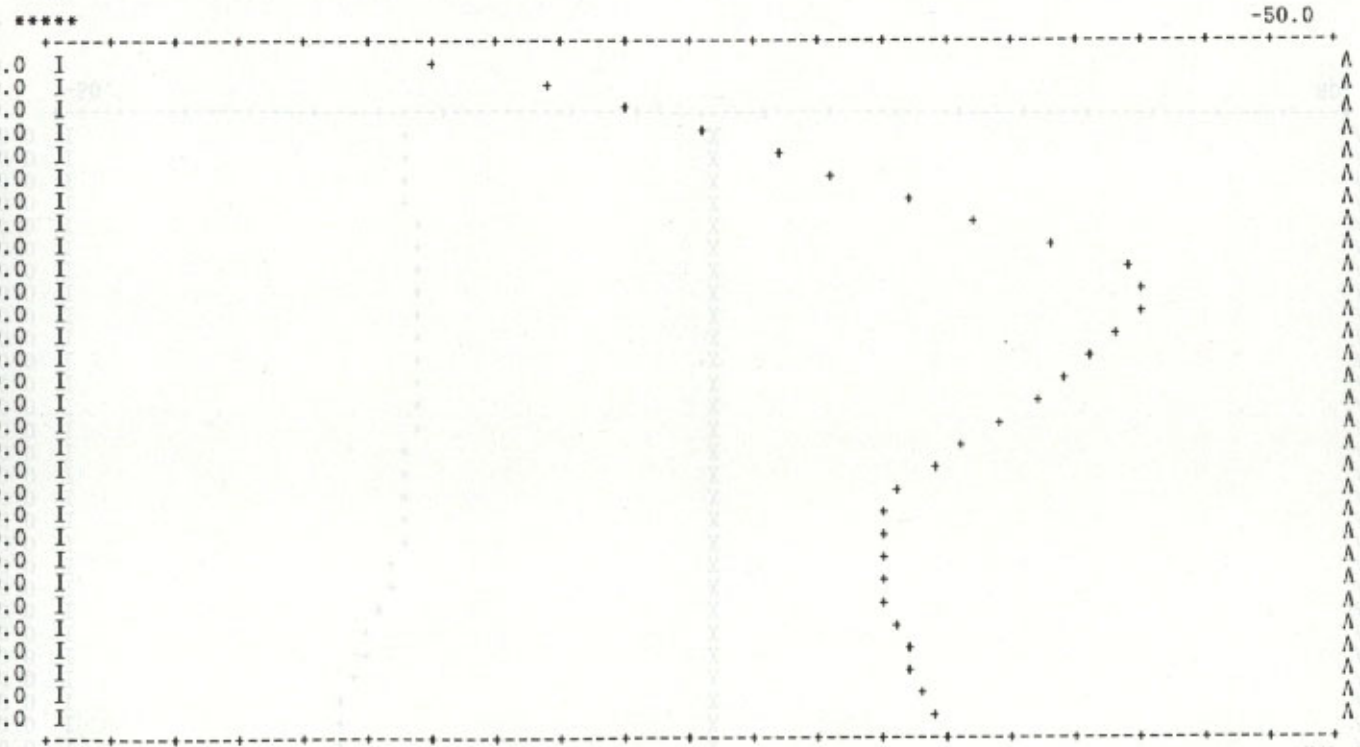
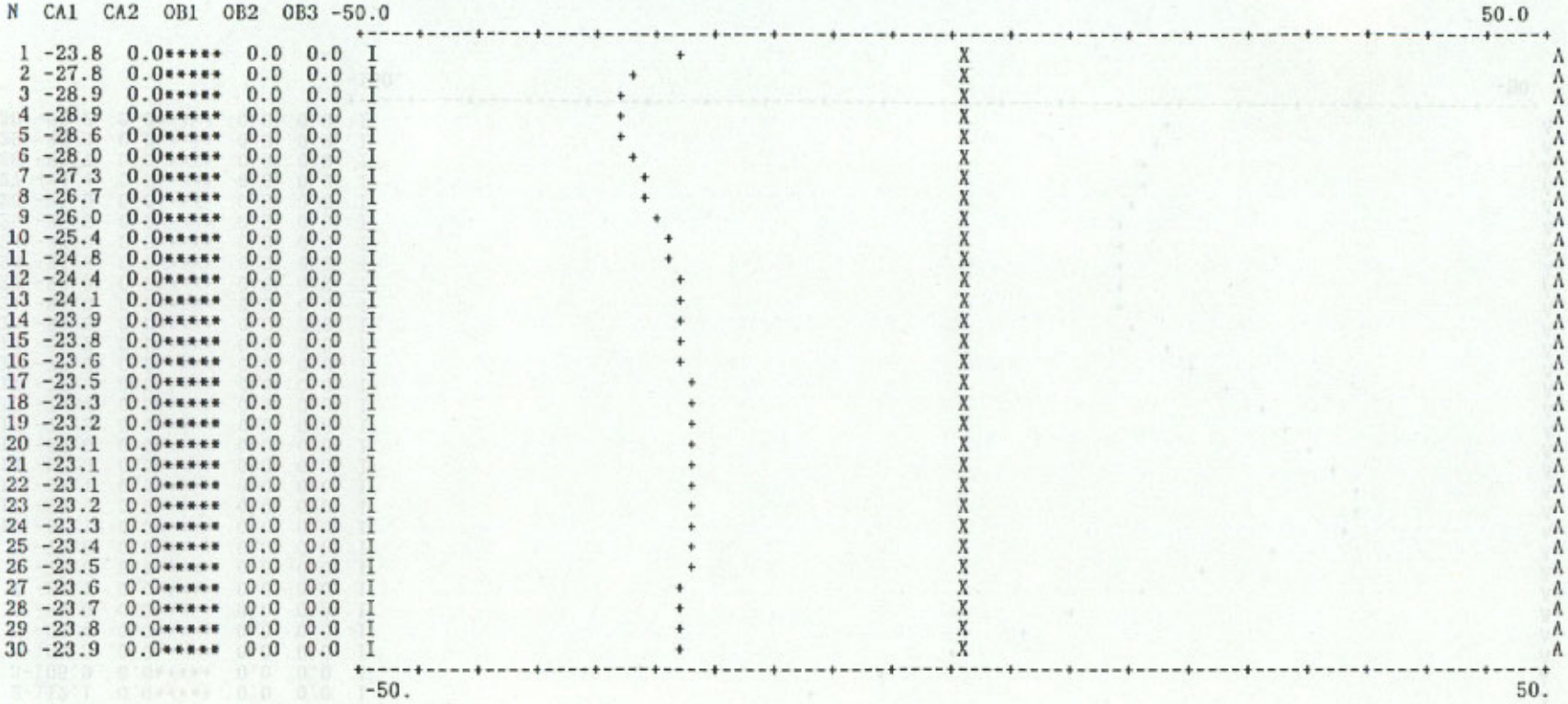
PUMPAGE: SCENARIO 1, LOCATION: CLC
Simulated Piezometric Head + (Confined Aquifer-1)

N	CA1	CA2	OB1	OB2	OB3	*****
1	-120.9	0.0*****	0.0	0.0	I	
2	-112.1	0.0*****	0.0	0.0	I	
3	-105.9	0.0*****	0.0	0.0	I	
4	-100.3	0.0*****	0.0	0.0	I	
5	-94.4	0.0*****	0.0	0.0	I	
6	-89.6	0.0*****	0.0	0.0	I	
7	-84.1	0.0*****	0.0	0.0	I	
8	-78.6	0.0*****	0.0	0.0	I	
9	-72.8	0.0*****	0.0	0.0	I	
10	-67.1	0.0*****	0.0	0.0	I	
11	-65.6	0.0*****	0.0	0.0	I	
12	-66.1	0.0*****	0.0	0.0	I	
13	-67.6	0.0*****	0.0	0.0	I	
14	-69.6	0.0*****	0.0	0.0	I	
15	-71.9	0.0*****	0.0	0.0	I	
16	-74.4	0.0*****	0.0	0.0	I	
17	-76.9	0.0*****	0.0	0.0	I	
18	-79.6	0.0*****	0.0	0.0	I	
19	-82.2	0.0*****	0.0	0.0	I	
20	-84.9	0.0*****	0.0	0.0	I	
21	-86.0	0.0*****	0.0	0.0	I	
22	-86.3	0.0*****	0.0	0.0	I	
23	-86.3	0.0*****	0.0	0.0	I	
24	-86.0	0.0*****	0.0	0.0	I	
25	-85.6	0.0*****	0.0	0.0	I	
26	-85.0	0.0*****	0.0	0.0	I	
27	-84.4	0.0*****	0.0	0.0	I	
28	-83.7	0.0*****	0.0	0.0	I	
29	-83.0	0.0*****	0.0	0.0	I	
30	-82.2	0.0*****	0.0	0.0	I	

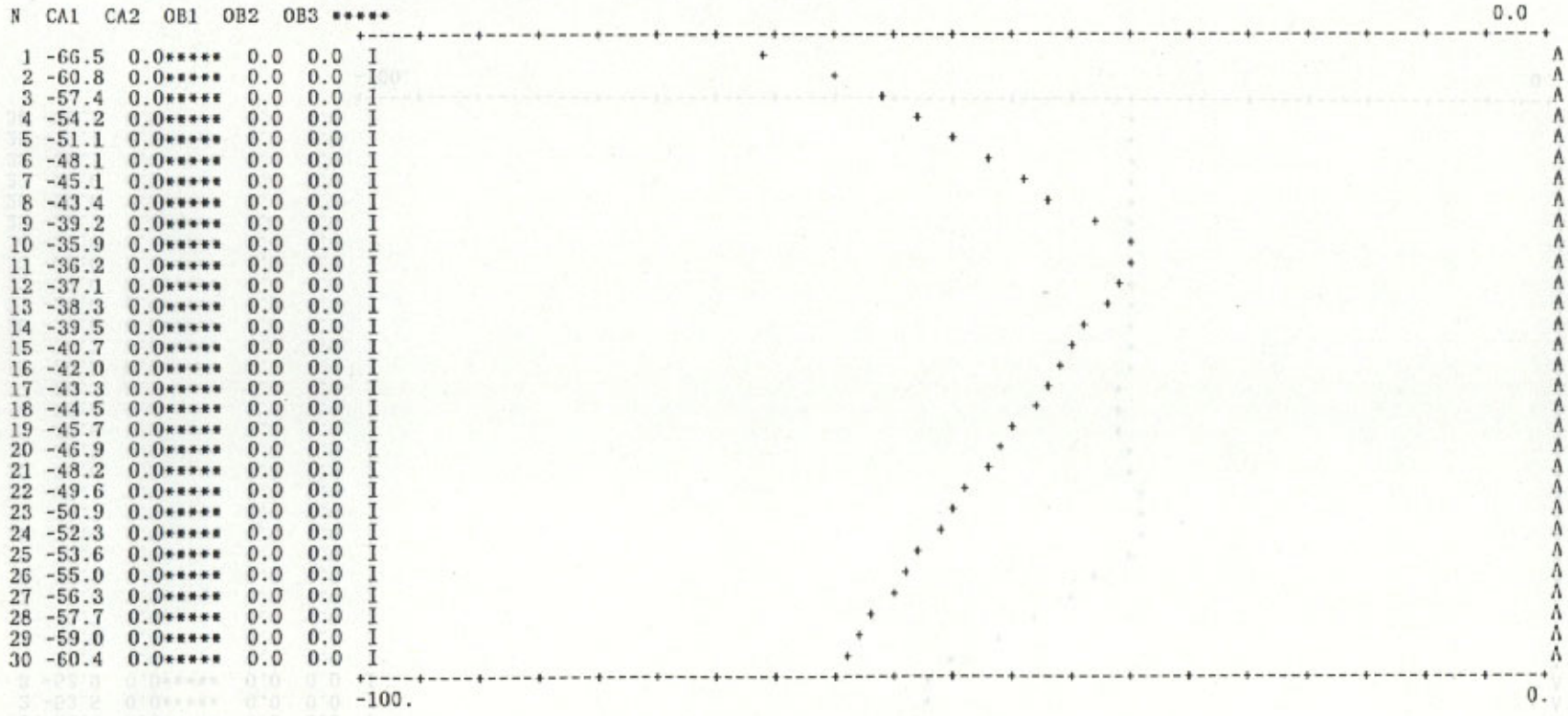


PUMPAGE: SCENARIO 1, LOCATION: QCT
Simulated Piezometric Head + (Confined Aquifer-1)

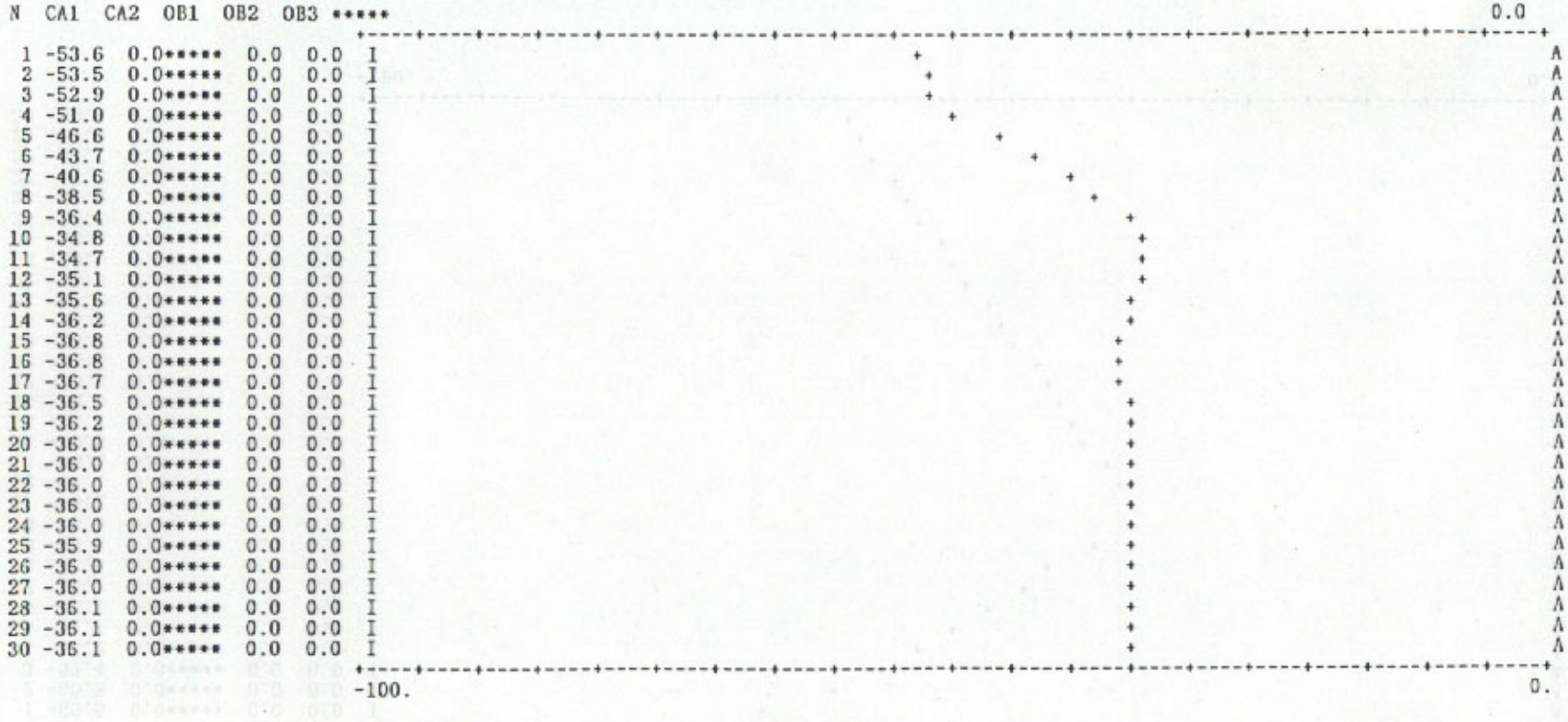


PUMPAGE: SCENARIO 1, LOCATION: PSG
Simulated Piezometric Head + (Confined Aquifer-1)

N	CA1	CA2	OB1	OB2	OB3
1	-66.5	0.0	0.0	0.0	0.0
2	-60.8	0.0	0.0	0.0	0.0
3	-57.4	0.0	0.0	0.0	0.0
4	-54.2	0.0	0.0	0.0	0.0
5	-51.1	0.0	0.0	0.0	0.0
6	-48.1	0.0	0.0	0.0	0.0
7	-45.1	0.0	0.0	0.0	0.0
8	-43.4	0.0	0.0	0.0	0.0
9	-39.2	0.0	0.0	0.0	0.0
10	-35.9	0.0	0.0	0.0	0.0
11	-36.2	0.0	0.0	0.0	0.0
12	-37.1	0.0	0.0	0.0	0.0
13	-38.3	0.0	0.0	0.0	0.0
14	-39.5	0.0	0.0	0.0	0.0
15	-40.7	0.0	0.0	0.0	0.0
16	-42.0	0.0	0.0	0.0	0.0
17	-43.3	0.0	0.0	0.0	0.0
18	-44.5	0.0	0.0	0.0	0.0
19	-45.7	0.0	0.0	0.0	0.0
20	-46.9	0.0	0.0	0.0	0.0
21	-48.2	0.0	0.0	0.0	0.0
22	-49.6	0.0	0.0	0.0	0.0
23	-50.9	0.0	0.0	0.0	0.0
24	-52.3	0.0	0.0	0.0	0.0
25	-53.6	0.0	0.0	0.0	0.0
26	-55.0	0.0	0.0	0.0	0.0
27	-56.3	0.0	0.0	0.0	0.0
28	-57.7	0.0	0.0	0.0	0.0
29	-59.0	0.0	0.0	0.0	0.0
30	-60.4	0.0	0.0	0.0	0.0

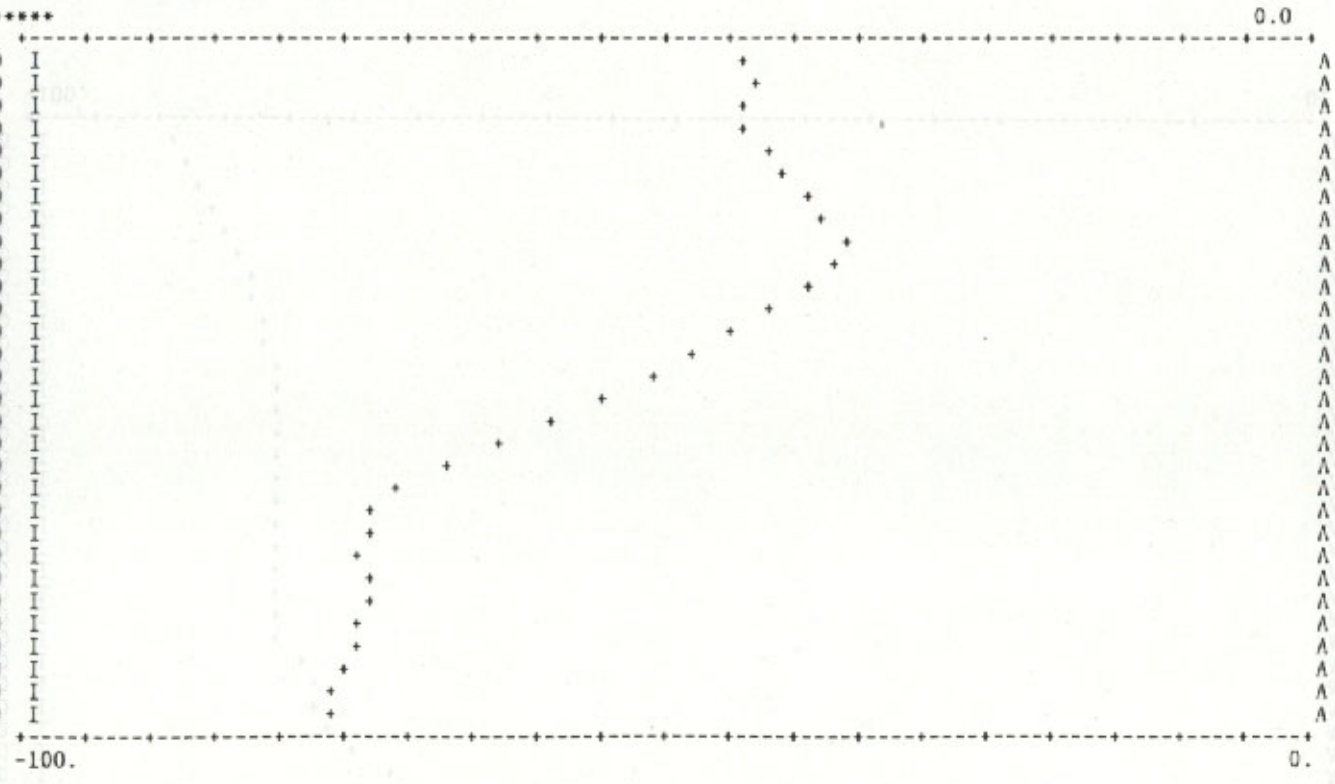


PUMPAGE: SCENARIO 1, LOCATION: CVC
Simulated Piezometric Head + (Confined Aquifer-1)



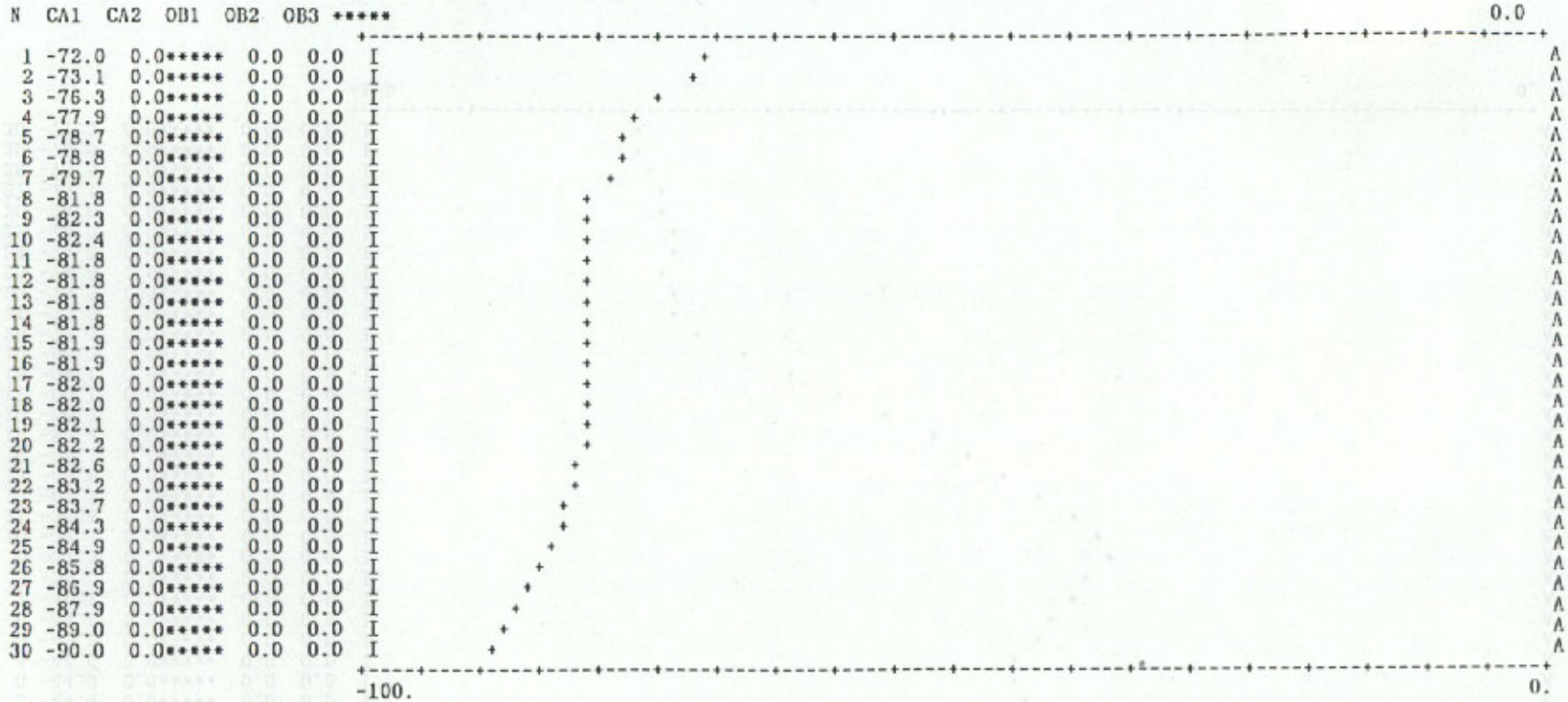
PUMPAGE: SCENARIO 1, LOCATION: PRN
Simulated Piezometric Head + (Confined Aquifer-1)

N	CA1	CA2	OB1	OB2	OB3
1	-44.7	0.0*****	0.0	0.0	I
2	-44.4	0.0*****	0.0	0.0	I
3	-44.9	0.0*****	0.0	0.0	I
4	-44.6	0.0*****	0.0	0.0	I
5	-43.2	0.0*****	0.0	0.0	I
6	-41.6	0.0*****	0.0	0.0	I
7	-40.2	0.0*****	0.0	0.0	I
8	-39.0	0.0*****	0.0	0.0	I
9	-37.3	0.0*****	0.0	0.0	I
10	-37.7	0.0*****	0.0	0.0	I
11	-39.8	0.0*****	0.0	0.0	I
12	-42.7	0.0*****	0.0	0.0	I
13	-45.8	0.0*****	0.0	0.0	I
14	-49.1	0.0*****	0.0	0.0	I
15	-52.4	0.0*****	0.0	0.0	I
16	-56.2	0.0*****	0.0	0.0	I
17	-60.1	0.0*****	0.0	0.0	I
18	-64.1	0.0*****	0.0	0.0	I
19	-68.2	0.0*****	0.0	0.0	I
20	-72.3	0.0*****	0.0	0.0	I
21	-73.9	0.0*****	0.0	0.0	I
22	-74.5	0.0*****	0.0	0.0	I
23	-74.6	0.0*****	0.0	0.0	I
24	-74.5	0.0*****	0.0	0.0	I
25	-74.2	0.0*****	0.0	0.0	I
26	-74.6	0.0*****	0.0	0.0	I
27	-75.1	0.0*****	0.0	0.0	I
28	-75.8	0.0*****	0.0	0.0	I
29	-76.5	0.0*****	0.0	0.0	I
30	-77.3	0.0*****	0.0	0.0	I

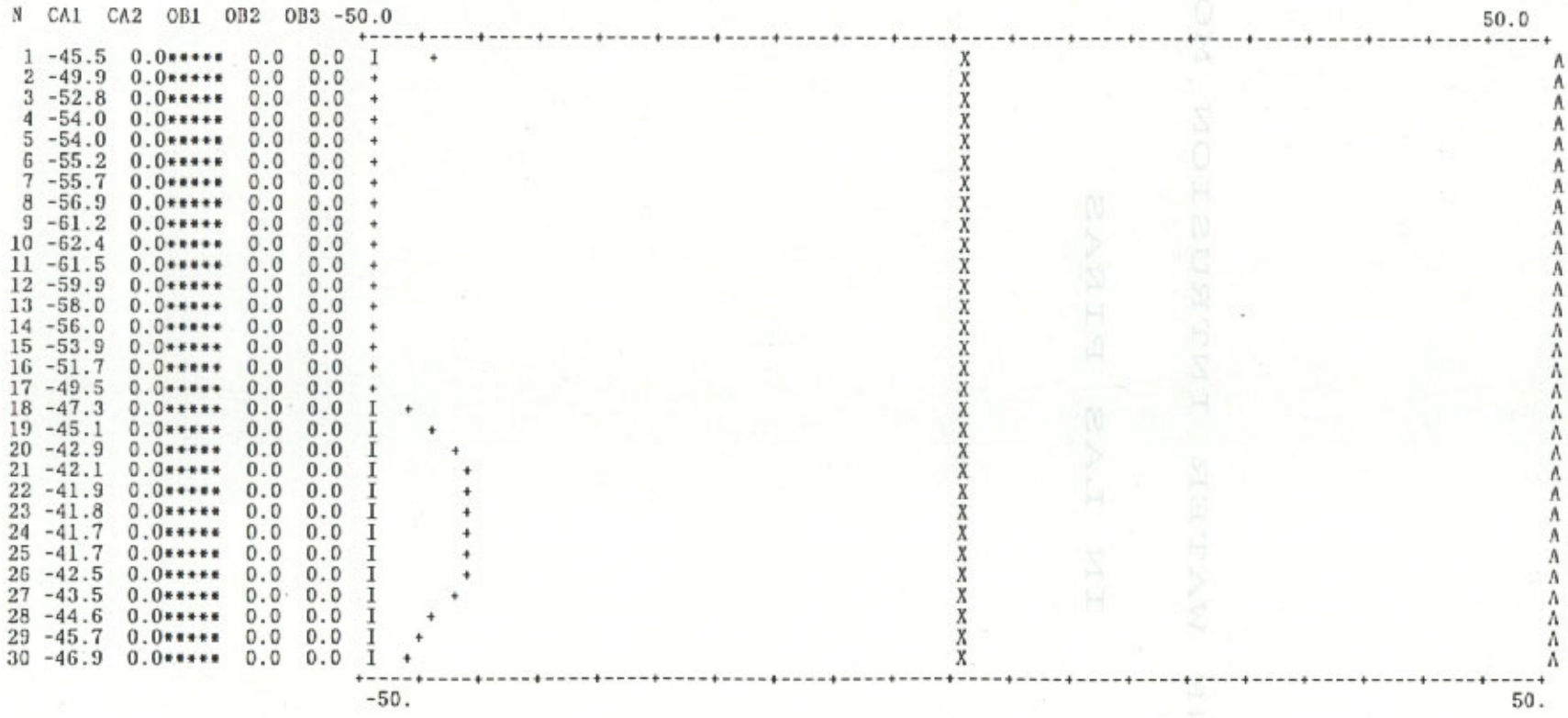


PUMPAGE: SCENARIO 1, LOCATION: LPS
Simulated Piezometric Head + (Confined Aquifer-1)

N	CA1	CA2	OB1	OB2	OB3
1	-72.0	0.0*****	0.0	0.0	
2	-73.1	0.0*****	0.0	0.0	
3	-76.3	0.0*****	0.0	0.0	
4	-77.9	0.0*****	0.0	0.0	
5	-78.7	0.0*****	0.0	0.0	
6	-78.8	0.0*****	0.0	0.0	
7	-79.7	0.0*****	0.0	0.0	
8	-81.8	0.0*****	0.0	0.0	
9	-82.3	0.0*****	0.0	0.0	
10	-82.4	0.0*****	0.0	0.0	
11	-81.8	0.0*****	0.0	0.0	
12	-81.8	0.0*****	0.0	0.0	
13	-81.8	0.0*****	0.0	0.0	
14	-81.8	0.0*****	0.0	0.0	
15	-81.9	0.0*****	0.0	0.0	
16	-81.9	0.0*****	0.0	0.0	
17	-82.0	0.0*****	0.0	0.0	
18	-82.0	0.0*****	0.0	0.0	
19	-82.1	0.0*****	0.0	0.0	
20	-82.2	0.0*****	0.0	0.0	
21	-82.6	0.0*****	0.0	0.0	
22	-83.2	0.0*****	0.0	0.0	
23	-83.7	0.0*****	0.0	0.0	
24	-84.3	0.0*****	0.0	0.0	
25	-84.9	0.0*****	0.0	0.0	
26	-85.8	0.0*****	0.0	0.0	
27	-86.9	0.0*****	0.0	0.0	
28	-87.9	0.0*****	0.0	0.0	
29	-89.0	0.0*****	0.0	0.0	
30	-90.0	0.0*****	0.0	0.0	



PUMPAGE: SCENARIO 1, LOCATION: LPS
Simulated Piezometric Head + (Confined Aquifer-1)



SALINE WATER INTRUSION MODEL

IN LAS PIÑAS

U.S.G.S. METHOD-OF-CHARACTERISTICS MODEL FOR SOLUTE TRANSPORT IN GROUND WATER
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

I N P U T D A T A

GRID DESCRIPTORS

NX (NUMBER OF COLUMNS) = 40
NY (NUMBER OF ROWS) = 24
XDEL (X-DISTANCE IN FEET) = 328.0
YDEL (Y-DISTANCE IN FEET) = 49.0

SECONDARY SUBGRID FOR TRANSPORT

NMX (NUMBER OF COLUMNS) = 20
NMY (NUMBER OF ROWS) = 20

CROSS-REF. TO PRIMARY GRID	IX	IY
FIRST NODE (UPPER LEFT) AT:	2	3
LAST NODE (LOWER RIGHT) AT:	21	22

TIME PARAMETERS

NTIM (MAX. NO. OF TIME STEPS) = 1
NPMP (NO. OF PUMPING PERIODS) = 1
PINT (PUMPING PERIOD IN YEARS) = 10.000
TIMX (TIME INCREMENT MULTIPLIER) = .00
TINIT (INITIAL TIME STEP IN SEC.) = 0.

HYDROLOGIC AND CHEMICAL PARAMETERS

S (STORAGE COEFFICIENT) = .000000
POROS (EFFECTIVE POROSITY) = .050
BETA (LONGITUDINAL DISPERSIVITY) = 7.0
DLTRAT (RATIO OF TRANSVERSE TO LONGITUDINAL DISPERSIVITY) = 1.00
ANFCTR (RATIO OF T-YY TO T-XX) = .100000

EXECUTION PARAMETERS

NITP (NO. OF ITERATION PARAMETERS) = 7
TOL (CONVERGENCE CRITERIA - ADIP) = .10E-01
ITMAX (MAX.NO.OF ITERATIONS - ADIP) = 200
CELDIS (MAX.CELL DISTANCE PER MOVE OF PARTICLES - M.O.C.) = .100
NPMAX (MAX. NO. OF PARTICLES) = 6400
NPTPND (NO. PARTICLES PER NODE) = 9

PROGRAM OPTIONS

NPNT (TIME STEP INTERVAL FOR COMPLETE PRINTOUT) = 1
NPNTMV (MOVE INTERVAL FOR CHEM. CONCENTRATION PRINTOUT) = 100
NPNTVL (TIME STEP INTERVAL FOR VELOCITY PRINTOUT; 0=NEVER; -1=FIRST TIME STEP; -2=LAST TIME STEP) = -2
NPNTD (PRINT OPTION-DISP.COEF. 0=NO; 1=FIRST TIME STEP; 2=ALL TIME STEPS) = 2
NUMOBS (NO. OF OBSERVATION WELLS FOR HYDROGRAPH PRINTOUT) = 4
NREC (NO. OF PUMPING WELLS) = 0

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NCODES (FOR NODE IDENT.)          =     5
NPNCHV (TIME STEP INTERVAL FOR
        VELOCITY PRINTOUT ON
        FILE UNIT 7; 0=NEVER;
        -1=FIRST TIME STEP;
        -2=LAST TIME STEP)        =    -2
NPDELC (PRINT OPT.-CONC. CHANGE)  =     1
IREACT (REACTION SPECIFIER)       =     0


REACTION - NONE

  STEADY-STATE FLOW

TIME INTERVALS (IN SEC) FOR SOLUTE-TRANSPORT SIMULATION
.31558E+09

     LOCATION OF OBSERVATION WELLS

          NO.     X     Y

           1      9     8
           2      9    14
           3      9    21
           4     17    17

     AREA OF ONE CELL =    .1607E+05
     X-Y SPACING:
          328.00
          49.000

TRANSMISSIVITY MAP (FT*FT/SEC)

  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
  0.00E+00  2.00E-03  2.00E-03  2.00E-03  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  0.00E+00  0.00E+00
  0.00E+00  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03
  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03
  2.00E-03  2.00E-03  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  4.00E-03  0.00E+00
  0.00E+00  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01
  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  4.00E-03  4.00E-03  2.80E-02  0.00E+00
  0.00E+00  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01
  1.84E-01  1.84E-01  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  4.00E-03  4.00E-03  4.00E-03  2.80E-02  2.80E-02  2.80E-02  0.00E+00
  0.00E+00  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01
  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  2.00E-03  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  4.00E-03  4.00E-03  2.80E-02  2.80E-02  2.80E-02  2.80E-02  2.80E-02  4.00E-03  0.00E+00
  0.00E+00  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  1.84E-01  2.00E-03  2.00E-03
  2.00E-03  2.00E-03  2.00E-03  2.00E-03  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02
  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  5.10E-02  4.00E-03
```

4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	2.80E-02	0.00E+00
0.00E+00	1.84E-01	1.84E-01	1.84E-01	1.84E-01	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03
2.00E-03	2.00E-03	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	4.00E-03	4.00E-03	4.00E-03	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	2.80E-02	2.80E-02	2.80E-02	0.00E+00
0.00E+00	1.84E-01	1.84E-01	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03	5.10E-02
5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
5.10E-02	5.10E-02	5.10E-02	5.10E-02	4.00E-03	4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	0.00E+00
0.00E+00	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03	5.10E-02	5.10E-02	5.10E-02
5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
5.10E-02	5.10E-02	4.00E-03	4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	0.00E+00
0.00E+00	2.00E-03	2.00E-03	2.00E-03	2.00E-03	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	4.00E-03
4.00E-03	4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	4.00E-03	0.00E+00
0.00E+00	2.00E-03	2.00E-03	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	4.00E-03	4.00E-03	4.00E-03	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
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2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
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0.00E+00	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02
5.10E-02	4.00E-03	4.00E-03	4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
4.00E-03	4.00E-03	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	4.00E-03
4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	4.00E-03
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	5.10E-02	5.10E-02	5.10E-02	5.10E-02	5.10E-02	4.00E-03	4.00E-03	4.00E-03	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	4.00E-03	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	5.10E-02	5.10E-02	5.10E-02	4.00E-03	4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	4.00E-03	4.00E-03	4.00E-03	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	4.00E-03	4.00E-03	4.00E-03	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03
4.00E-03	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	4.00E-03	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
2.80E-02	2.80E-02	4.00E-03	4.00E-03	4.00E-03	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03
4.00E-03	4.00E-03	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	0.00E+00
0.00E+00	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	4.00E-03	4.00E-03	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02
2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02

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2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  0.00E+00
0.00E+00  2.80E-02  2.80E-02  4.00E-03  4.00E-03  4.00E-03  2.50E-02  2.50E-02  2.50E-02  2.50E-02
2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02
2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02
2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  2.50E-02  0.00E+00
0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

AQUIFER THICKNESS (FT)

```
   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0
   .0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.0656.
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DIFFUSE RECHARGE AND DISCHARGE (FT/SEC)

0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PERMEABILTY MAP (FT/SEC)

0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	3.05E-06	3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	0.00E+00
0.00E+00	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06
3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06
3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	0.00E+00
0.00E+00	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04
2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	4.27E-05	0.00E+00
0.00E+00	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04
2.80E-04	2.80E-04	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	7.77E-05	7.77E-05

7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	0.00E+00
0.00E+00	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04
3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	0.00E+00
0.00E+00	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	2.80E-04	3.05E-06	3.05E-06
3.05E-06	3.05E-06	3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06
6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	4.27E-05	0.00E+00
0.00E+00	2.80E-04	2.80E-04	2.80E-04	2.80E-04	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06
3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	6.10E-06	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	4.27E-05	4.27E-05	4.27E-05	0.00E+00
0.00E+00	2.80E-04	2.80E-04	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	0.00E+00
0.00E+00	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	0.00E+00
0.00E+00	3.05E-06	3.05E-06	3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06
6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06	0.00E+00
0.00E+00	3.05E-06	3.05E-06	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	6.10E-06	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05
7.77E-05	6.10E-06	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06
6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	7.77E-05	7.77E-05	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	6.10E-06	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	7.77E-05	7.77E-05	7.77E-05	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	6.10E-06	6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	6.10E-06	6.10E-06	6.10E-06	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06
6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05
4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05

3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06
6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	4.27E-05	4.27E-05	4.27E-05	4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	4.27E-05	4.27E-05	6.10E-06	6.10E-06	6.10E-06	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

FLOW MODEL (PRIMARY GRID):

NO. OF FINITE-DIFFERENCE CELLS IN AQUIFER = 816

AREA OF AQUIFER IN MODEL = .13115E+08 SQ. FT.

TRANSPORT SUBGRID:

NO. OF FINITE-DIFFERENCE CELLS IN AQUIFER = 400

AREA OF AQUIFER IN MODEL = .64288E+07 SQ. FT.

NZCRIT (MAX. NO. OF CELLS THAT CAN BE VOID OF PARTICLES; IF EXCEEDED, PARTICLES ARE REGENERATED) = 8

NODE IDENTIFICATION MAP

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0
0	1	5	5	5	5	5	5	5	5	5	2	2	2	2	2	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

```
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  NO. OF NODE IDENT. CODES SPECIFIED =  5
       THE FOLLOWING ASSIGNMENTS HAVE BEEN MADE:
  CODE NO.      LEAKANCE      SOURCE CONC.      RECHARGE
     1          .100E+01       21500.00
     2          .100E+01            .00
                                                .694E-06
     3          .100E+01            .00
                                                .694E-06
     4          .100E+01            .00
     5          .100E+01       21500.00
                                                .694E-06
VERTICAL PERMEABILITY/THICKNESS (FT/(FT*SEC))

 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00
 1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  0.00E+00
 0.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00
 1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00
 1.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
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 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
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 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
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 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

```
 0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 0.   3.   3.   7.   7.  10.  13.  16.  16.  20.  20.  23.  23.  26.  26.  30.  30.  33.  33.   0.
 0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.  33.   0
```

.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	3.2800000	3.2800000	6.5600000	6.5600000	9.8400000	13.1200000	16.4000000	16.4000000	19.6800000
19.6800000	22.9600000	22.9600000	26.2400000	26.2400000	29.5200000	29.5200000	32.8000000	32.8000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0

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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	32.8000000	.0000000
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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	32.8000000	.0000000
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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	32.8000000	.0000000
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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	32.8000000	.0000000
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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	32.8000000	.0000000
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.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000

ITERATION PARAMETERS

.271081E-03
.106557E-02
.418857E-02
.164645E-01
.647192E-01
.254400
1.00000

CONCENTRATION

NUMBER OF TIME STEPS = 0
TIME(SECONDS) = .00000
CHEM.TIME(SECONDS) = .00000E+00
CHEM.TIME(DAYS) = .00000E+00
TIME(YEARS) = .00000E+00
CHEM.TIME(YEARS) = .00000E+00
NO. MOVES COMPLETED = 0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

N = 1
NUMBER OF ITERATIONS = 28

HEAD DISTRIBUTION - ROW
NUMBER OF TIME STEPS = 1
TIME(SECONDS) = .31558E+09
TIME(DAYS) = .36525E+04
TIME(YEARS) = .10000E+02

.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	3.2799964	3.2799934	6.5599945	6.5599787	9.8399852	13.1199886	16.3999881	16.3999949	19.6799909
19.6799967	22.9599921	22.9599975	26.2399933	26.2399987	29.5199936	29.5199997	32.7999952	32.7999993	.0000000
.0000000	-.0000015	-.0000022	-.0000022	-.0000022	-.0000022	-.0000023	-.0000023	-.0000023	-.0000024
-.0000024	-.0000024	-.0000025	-.0000026	-.0000026	-.0000024	-.0000031	-.0000034	-.0000046	-.0000047
-.0000104	-31.2731376	-33.8369479	-22.9422619	-3.8960428	3.2210626	8.0830770	11.8362961	13.5865835	16.4414515
17.7210712	20.3184303	21.3805537	24.1218421	25.2005391	27.5425769	28.9686029	31.5848537	32.7999999	.0000000
.0000000	-9.1882107	-9.2079363	-9.2481518	-9.3213524	-9.4264473	-9.5790752	-9.7513045	-9.9087611	-10.0941414
-10.2304029	-10.4704432	-10.7395193	-11.2834561	-11.8633122	-20.5341442	-28.9409487	-32.5941168	-46.8072748	-47.5998431
-56.9777054	-52.2812130	-39.1129777	-26.9879905	-11.6898171	-2.8945963	3.2936442	7.7196250	10.5266628	13.5544640
15.4680617	18.0194971	19.4263650	22.3747447	23.8791318	25.7695938	23.3515651	26.9737372	32.7999996	.0000000
.0000000	-9.3814364	-9.4014554	-9.4397257	-9.5148425	-9.6186374	-9.7807516	-9.9645987	-10.1155638	-10.3225128
-10.4270330	-10.6892576	-18.6164658	-22.2021618	-27.7990090	-43.0207958	-58.9430969	-62.8310931	-72.6851329	-70.3316101
-62.4844008	-55.7573239	-44.1563545	-31.7416467	-18.0323707	-8.4284899	-1.1024476	3.9643068	7.4175004	10.9161562
13.0727248	15.9760235	17.1281609	12.5790374	14.2020865	17.0205482	16.3651329	21.2487992	32.7999934	.0000000
.0000000	-9.5703191	-9.5910963	-9.6231830	-9.7022641	-9.7979803	-9.9775901	-10.1858146	-10.3094106	-10.5745838
-17.9248249	-21.8258944	-36.9007464	-43.3529477	-57.1818583	-65.3502212	-75.9284126	-76.7933494	-75.3296107	-73.2730063
-67.7417810	-60.3208655	-49.3817218	-36.7841004	-23.4587675	-13.4540539	-4.9942920	.5691178	4.2982116	8.5773910
10.5107624	4.6140857	4.1110239	.9152312	3.7944733	8.2545049	13.4919979	18.3295153	20.6434661	.0000000
.0000000	-9.7546430	-9.7783953	-9.7962373	-9.8861852	-9.9586505	-10.1679357	-10.4261645	-17.8468476	-23.4224060
-35.1335627	-41.3667741	-57.1096493	-62.8558880	-73.1063733	-75.5375735	-77.1961036	-78.3664610	-78.1067076	-76.9891534
-73.4216018	-65.6695091	-54.9775922	-41.9887956	-28.1441127	-18.1348574	-8.2396411	-2.4166654	1.0562143	-3.9021580
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.0000000	-9.9337977	-9.9672351	-9.9532949	-10.0742419	-16.0127878	-18.5103314	-22.6328077	-34.7909063	-47.4735674
-53.5647449	-58.7864239	-68.7703198	-71.3671537	-73.9387971	-76.4780655	-78.5738527	-80.2578700	-81.0756741	-81.2517024
-80.0360222	-71.6741713	-61.0864054	-47.3842890	-31.9734577	-22.7902841	-24.3028172	-19.3377999	-14.7971871	-18.4378512
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.0000000	-10.1055988	-10.1667952	-15.8588692	-18.7527909	-30.0557870	-34.6524783	-44.9906663	-51.6168591	-60.7360221
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-88.2460353	-78.1755168	-67.8907004	-53.1608564	-48.7445914	-40.3689895	-42.3163696	-37.2155870	-30.2060757	-22.9339882
-18.6866484	-15.5090736	-14.6801077	-8.7511008	-5.0655215	-3.9018102	-1.5167324	1.5289228	3.6219429	.0000000
.0000000	-17.4631365	-18.8158996	-29.4108348	-34.0473210	-45.5960664	-49.5129880	-57.0394548	-59.0911982	-61.3323547

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 -99.2449243 -84.7246034 -85.2412316 -71.2589124 -66.5411905 -57.4951289 -48.0666937 -42.1108884 -34.1167944 -26.7549499
 -21.6500461 -18.1248551 -16.7286910 -11.0125242  -7.1434322  -5.3133307  -2.6679949   -.0529853   1.6984703    .0000000
    .0000000 -31.7184629 -33.8662441 -44.2932009 -47.8003519 -54.5565899 -56.0090019 -57.6184790 -59.6122750 -61.8653362
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    .0000000 -52.4712142 -52.8297975 -53.3435929 -54.2695521 -55.4306545 -56.8735624 -58.5404115 -60.4662071 -62.7507705
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    .0000000 -52.9181594 -53.2307693 -53.7667581 -54.6415639 -55.7760612 -57.2327266 -58.9111964 -60.7781565 -63.1252678
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    .0000000    .0000000    .0000000    .0000000    .0000000    .0000000    .0000000    .0000000    .0000000    .0000000
```

HEAD DISTRIBUTION - ROW
NUMBER OF TIME STEPS = 1
TIME(SECONDS) = .31558E+09
TIME(DAYS) = .36525E+04
TIME(YEARS) = .10000E+02

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  0   0   0   0   0   0   0   0   0   0   0
  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   3   3   7   7  10  13  16  16  20
 20  23  23  26  26  30  30  33  33   0
  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0 -31 -34 -23  -4   3   8  12  14  16
 18  20  21  24  25  28  29  32  33   0
  0  -9  -9  -9  -9  -9 -10 -10 -10 -10 -10 -10 -11 -11 -12 -21 -29 -33 -47 -48 -57 -52 -39 -27 -12  -3   3   8  11  14
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  0  -9  -9  -9 -10 -10 -10 -10 -10 -10 -10 -11 -19 -22 -28 -43 -59 -63 -73 -70 -62 -56 -44 -32 -18  -8  -1   4   7  11
 13  16  17  13  14  17  16  21  33   0
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 11   5   4   1   4   8  13  18  21   0
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 -3  -9  -9  -3   1   6   7  10   9   0
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-42 -37 -33 -29 -26 -23 -21 -20 -20   0
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  0   0   0   0   0   0   0   0   0   0
```

DRAWDOWN

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      0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
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      0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
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3	-3	-8	-11	-14	-15	-18	-19	-22	-24	-26	-23	-27	0	0										
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8	1	-4	-7	-11	-13	-16	-17	-13	-14	-17	-16	-21	0	0										
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13	5	-1	-4	-9	-11	-5	-4	-1	-4	-8	-13	-18	12	0										
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23	24	19	15	18	15	12	11	6	2	-1	-1	-3	27	0										
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57	48	42	34	27	22	18	17	11	7	5	3	0	31	0										
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0	55	56	56	59	60	62	64	67	70	73	77	82	87	93	100	108	116	123	126	125	112	104	95	85
76	68	60	53	46	40	35	30	27	24	21	19	18	50	0										
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76	68	60	53	47	41	36	31	27	24	22	20	19	51	0										
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77	68	61	54	47	41	36	32	28	25	22	21	19	52	0										
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77	69	62	55	48	42	37	33	29	26	23	21	20	52	0										
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										

CUMULATIVE MASS BALANCE -- (IN FT**3)

RECHARGE AND INJECTION	=	.00000E+00
PUMPAGE AND E-T WITHDRAWAL	=	.97015E+09
CUMULATIVE NET PUMPAGE	=	.97015E+09
WATER RELEASE FROM STORAGE	=	.00000E+00
LEAKAGE INTO AQUIFER	=	.96921E+09
LEAKAGE OUT OF AQUIFER	=	.00000E+00
CUMULATIVE NET LEAKAGE	=	.96921E+09
MASS BALANCE RESIDUAL	=	-.93830E+06
ERROR (AS PERCENT)	=	-.96763E-01

RATE MASS BALANCE -- (IN C.F.S.)

LEAKAGE INTO AQUIFER	=	.30712E+01
LEAKAGE OUT OF AQUIFER	=	.00000E+00
NET LEAKAGE (QNET)	=	.30712E+01
RECHARGE AND INJECTION	=	.00000E+00
PUMPAGE AND E-T WITHDRAWAL	=	.30742E+01
NET WITHDRAWAL (TPUM)	=	.30742E+01

X VELOCITIES

AT NODES

0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	2.799E-13	-3.049E-07	-3.049E-07	-7.774E-06	-1.555E-05	-1.555E-05	-7.774E-06	-7.774E-06	-7.774E-06
-7.774E-06	-7.774E-06	-7.774E-06	-7.774E-06	-7.774E-06	-7.774E-06	-7.774E-06	-7.774E-06	-9.803E-12	0.000E+00
0.000E+00	6.481E-14	6.543E-14	1.737E-15	2.731E-15	3.948E-15	4.976E-15	5.050E-15	5.252E-15	4.927E-15
5.764E-15	7.799E-15	1.245E-14	1.722E-14	-1.386E-14	4.235E-14	9.338E-14	1.383E-13	1.162E-13	5.406E-13
2.907E-06	3.365E-06	-2.536E-05	-7.097E-05	-6.201E-05	-2.839E-05	-2.042E-05	-1.304E-05	-1.092E-05	-9.800E-06
-9.189E-06	-8.674E-06	-9.015E-06	-9.054E-06	-8.108E-06	-8.931E-06	-9.581E-06	-6.620E-06	-4.189E-07	0.000E+00
0.000E+00	1.687E-07	5.126E-07	9.699E-07	1.525E-06	2.204E-06	2.778E-06	2.819E-06	2.932E-06	2.751E-06
3.218E-06	4.354E-06	6.952E-06	9.610E-06	6.553E-06	2.376E-06	1.121E-06	1.661E-06	1.395E-06	1.751E-06
-9.454E-06	-4.234E-05	-5.995E-05	-6.500E-05	-5.711E-05	-3.551E-05	-2.516E-05	-1.714E-05	-1.383E-05	-1.171E-05
-1.058E-05	-9.382E-06	-1.032E-05	-1.055E-05	-8.047E-06	-3.647E-06	1.603E-07	-2.569E-06	-1.895E-06	0.000E+00
0.000E+00	1.712E-07	4.985E-07	9.696E-07	1.530E-06	2.274E-06	2.958E-06	2.863E-06	3.061E-06	2.664E-06
3.136E-06	3.700E-06	1.791E-06	8.535E-07	1.935E-06	2.895E-06	1.841E-06	2.124E-06	-3.816E-06	-2.418E-05
-3.454E-05	-4.344E-05	-5.692E-05	-6.192E-05	-5.526E-05	-4.013E-05	-2.937E-05	-2.019E-05	-1.648E-05	-1.340E-05
-1.199E-05	-9.612E-06	-1.162E-06	1.267E-06	-8.257E-07	-3.107E-07	-6.142E-06	-2.139E-05	-1.503E-05	0.000E+00
0.000E+00	1.777E-07	4.521E-07	9.506E-07	1.495E-06	2.354E-06	3.317E-06	2.838E-06	3.325E-06	3.619E-06
1.714E-06	1.764E-06	2.001E-06	1.885E-06	2.045E-06	2.652E-06	3.942E-06	-1.419E-06	-8.344E-06	-1.798E-05
-3.070E-05	-4.352E-05	-5.579E-05	-6.144E-05	-5.530E-05	-4.377E-05	-3.324E-05	-2.203E-05	-1.898E-05	-1.473E-05
-2.550E-06	2.126E-06	1.133E-06	-2.707E-06	-9.551E-06	-1.262E-05	-1.311E-05	-7.048E-06	-7.528E-07	0.000E+00
0.000E+00	2.031E-07	3.557E-07	9.218E-07	1.389E-06	2.409E-06	3.998E-06	3.573E-06	1.883E-06	1.607E-06
1.668E-06	2.043E-06	1.997E-06	2.368E-06	7.596E-06	9.694E-06	6.705E-06	2.158E-06	-3.265E-06	-1.110E-05
-2.683E-05	-4.372E-05	-5.613E-05	-6.360E-05	-5.654E-05	-4.718E-05	-3.726E-05	-2.203E-05	-6.522E-06	1.508E-06
1.730E-06	2.293E-06	-7.724E-06	-1.285E-05	-1.134E-05	-6.984E-06	-1.026E-06	-1.407E-07	4.720E-07	0.000E+00
0.000E+00	2.859E-07	1.667E-07	9.151E-07	2.126E-06	1.324E-06	6.153E-07	1.513E-06	2.309E-06	1.745E-06
1.052E-06	2.271E-06	7.941E-06	1.225E-05	1.211E-05	1.099E-05	8.959E-06	5.930E-06	2.356E-06	-2.464E-06
-2.270E-05	-4.492E-05	-5.757E-05	-6.900E-05	-5.829E-05	-2.124E-05	-4.015E-07	-1.767E-06	3.403E-07	-2.659E-06
-7.897E-06	-5.356E-06	-8.303E-06	-1.164E-05	-5.640E-06	-1.012E-06	-3.441E-06	-6.930E-06	-3.499E-06	0.000E+00
0.000E+00	5.233E-07	1.570E-06	1.316E-06	1.320E-06	1.478E-06	1.388E-06	1.577E-06	2.247E-06	7.569E-06
1.299E-05	1.422E-05	1.374E-05	1.313E-05	1.304E-05	1.248E-05	1.144E-05	9.821E-06	8.254E-06	9.618E-06
-1.813E-05	-4.825E-05	-5.929E-05	-3.644E-05	-3.080E-06	-9.235E-07	-6.004E-06	-1.576E-05	-1.858E-05	-1.499E-05
-9.662E-06	-5.214E-06	-8.794E-06	-1.251E-05	-6.310E-06	-4.618E-06	-7.067E-06	-6.687E-06	-2.724E-06	0.000E+00
0.000E+00	1.257E-07	1.111E-06	1.416E-06	1.504E-06	1.438E-06	1.710E-06	6.210E-06	1.018E-05	1.132E-05
1.288E-05	1.398E-05	1.397E-05	1.390E-05	1.407E-05	1.409E-05	1.405E-05	1.370E-05	1.350E-05	2.820E-05
-1.303E-05	-3.424E-05	-2.421E-06	-4.134E-06	-1.331E-05	-2.404E-05	-2.002E-05	-1.815E-05	-1.998E-05	-1.622E-05
-1.123E-05	-6.404E-06	-9.255E-06	-1.247E-05	-7.416E-06	-5.824E-06	-6.845E-06	-5.682E-06	-2.279E-06	0.000E+00
0.000E+00	1.996E-07	1.169E-06	1.295E-06	1.535E-06	4.651E-06	7.257E-06	8.541E-06	1.007E-05	1.136E-05
1.288E-05	1.400E-05	1.421E-05	1.461E-05	1.513E-05	1.570E-05	1.673E-05	1.753E-05	1.598E-05	9.052E-06
-6.793E-07	-3.251E-06	-2.119E-05	-4.267E-05	-3.624E-05	-2.564E-05	-1.874E-05	-1.972E-05	-2.263E-05	-1.773E-05
-1.276E-05	-9.006E-06	-9.635E-06	-1.116E-05	-7.749E-06	-2.309E-06	-1.938E-07	-5.232E-07	-2.190E-07	0.000E+00
0.000E+00	1.464E-07	1.177E-06	3.443E-06	5.200E-06	6.204E-06	7.325E-06	8.554E-06	1.001E-05	1.135E-05
1.297E-05	1.422E-05	1.440E-05	1.530E-05	1.618E-05	1.238E-05	5.914E-06	3.725E-06	9.696E-06	2.324E-05
-8.604E-06	-4.497E-05	-4.600E-05	-4.742E-05	-3.748E-05	-2.642E-05	-1.570E-05	-2.086E-05	-2.702E-05	-1.925E-05
-1.402E-05	-1.063E-05	-9.814E-06	-5.224E-06	-7.629E-07	-1.147E-07	-9.480E-07	-1.953E-06	-8.005E-07	0.000E+00
0.000E+00	8.499E-07	2.068E-06	3.413E-06	4.947E-06	6.172E-06	7.371E-06	8.515E-06	9.980E-06	1.129E-05

1.313E-05	1.469E-05	1.443E-05	1.004E-05	4.342E-06	6.439E-06	1.988E-05	3.622E-05	3.149E-05	3.691E-05
-8.559E-06	-5.055E-05	-4.692E-05	-5.472E-05	-3.898E-05	-2.711E-05	-1.615E-05	-2.178E-05	-2.748E-05	-2.021E-05
-1.487E-05	-6.138E-06	-1.260E-06	-9.153E-07	-2.458E-06	-4.568E-06	-3.748E-06	-2.071E-06	-7.440E-07	0.000E+00
0.000E+00	7.410E-07	2.011E-06	3.344E-06	4.763E-06	6.142E-06	7.431E-06	8.404E-06	9.988E-06	1.110E-05
7.627E-06	2.840E-06	1.643E-06	4.226E-06	1.249E-05	2.200E-05	2.916E-05	4.346E-05	3.065E-05	2.849E-05
-9.289E-06	-4.802E-05	-4.529E-05	-5.477E-05	-3.962E-05	-2.761E-05	-1.993E-05	-2.268E-05	-2.380E-05	-1.155E-05
-2.538E-06	-1.556E-06	-4.203E-06	-7.337E-06	-6.392E-06	-4.771E-06	-3.621E-06	-2.112E-06	-7.234E-07	0.000E+00
0.000E+00	6.813E-07	1.941E-06	3.256E-06	4.586E-06	6.127E-06	7.566E-06	8.154E-06	5.761E-06	2.300E-06
2.793E-06	7.366E-06	1.191E-05	1.509E-05	1.804E-05	2.211E-05	2.871E-05	4.258E-05	2.743E-05	1.141E-05
-9.809E-06	-3.643E-05	-4.094E-05	-4.781E-05	-3.955E-05	-2.714E-05	-1.314E-05	-4.019E-06	-3.005E-06	-2.907E-06
-6.518E-06	-1.030E-05	-9.261E-06	-7.583E-06	-6.351E-06	-4.869E-06	-3.574E-06	-2.126E-06	-7.159E-07	0.000E+00
0.000E+00	6.464E-07	1.859E-06	3.165E-06	4.361E-06	3.483E-06	1.467E-06	8.635E-07	2.148E-06	5.858E-06
9.425E-06	1.084E-05	1.232E-05	1.486E-05	1.786E-05	2.164E-05	2.663E-05	3.400E-05	2.441E-05	9.646E-06
-9.121E-06	-2.979E-05	-3.605E-05	-2.580E-05	-8.054E-06	-3.814E-06	-4.148E-06	-1.020E-05	-1.554E-05	-1.550E-05
-1.324E-05	-1.075E-05	-9.305E-06	-7.729E-06	-6.367E-06	-4.924E-06	-3.561E-06	-2.132E-06	-7.135E-07	0.000E+00
0.000E+00	6.317E-07	1.756E-06	1.858E-06	1.038E-06	1.400E-06	3.733E-06	6.018E-06	7.565E-06	8.566E-06
9.505E-06	1.091E-05	1.249E-05	1.453E-05	1.752E-05	2.092E-05	2.401E-05	2.920E-05	2.254E-05	8.780E-06
-2.187E-06	-6.902E-06	-4.465E-06	-7.088E-06	-1.459E-05	-1.973E-05	-1.959E-05	-1.789E-05	-1.585E-05	-1.497E-05
-1.307E-05	-1.097E-05	-9.380E-06	-7.827E-06	-6.400E-06	-4.962E-06	-3.562E-06	-2.137E-06	-7.132E-07	0.000E+00
0.000E+00	5.901E-08	2.057E-07	9.001E-07	2.654E-06	4.475E-06	5.363E-06	6.176E-06	7.497E-06	8.567E-06
9.479E-06	1.095E-05	1.255E-05	1.399E-05	1.707E-05	2.026E-05	2.093E-05	1.250E-05	2.693E-06	4.041E-07
-4.331E-06	-1.280E-05	-1.947E-05	-2.279E-05	-2.205E-05	-1.978E-05	-1.902E-05	-1.758E-05	-1.589E-05	-1.467E-05
-1.295E-05	-1.107E-05	-9.447E-06	-7.898E-06	-6.436E-06	-4.991E-06	-3.570E-06	-2.141E-06	-7.138E-07	0.000E+00
0.000E+00	4.590E-07	1.456E-06	2.553E-06	3.505E-06	4.495E-06	5.406E-06	6.217E-06	7.484E-06	8.603E-06
9.328E-06	1.096E-05	1.264E-05	1.308E-05	9.006E-06	3.702E-06	2.393E-06	1.963E-06	1.821E-06	-8.880E-07
-7.475E-06	-1.357E-05	-1.789E-05	-2.070E-05	-2.076E-05	-1.948E-05	-1.861E-05	-1.733E-05	-1.584E-05	-1.448E-05
-1.285E-05	-1.111E-05	-9.497E-06	-7.949E-06	-6.468E-06	-5.013E-06	-3.578E-06	-2.145E-06	-7.148E-07	0.000E+00
0.000E+00	4.538E-07	1.437E-06	2.488E-06	3.451E-06	4.532E-06	5.474E-06	6.156E-06	7.507E-06	8.725E-06
8.971E-06	6.389E-06	2.834E-06	1.928E-06	3.125E-06	7.414E-06	1.045E-05	9.542E-06	5.353E-06	-9.639E-07
-7.033E-06	-1.254E-05	-1.664E-05	-1.924E-05	-1.977E-05	-1.910E-05	-1.828E-05	-1.712E-05	-1.575E-05	-1.436E-05
-1.279E-05	-1.113E-05	-9.531E-06	-7.986E-06	-6.494E-06	-5.031E-06	-3.587E-06	-2.149E-06	-7.159E-07	0.000E+00
0.000E+00	4.329E-07	1.403E-06	2.442E-06	3.371E-06	4.597E-06	5.601E-06	5.945E-06	4.407E-06	2.041E-06
1.438E-06	2.654E-06	6.848E-06	1.072E-05	1.212E-05	1.168E-05	1.009E-05	8.359E-06	4.438E-06	-1.094E-06
-6.716E-06	-1.182E-05	-1.574E-05	-1.823E-05	-1.905E-05	-1.875E-05	-1.803E-05	-1.696E-05	-1.566E-05	-1.427E-05
-1.274E-05	-1.114E-05	-9.554E-06	-8.012E-06	-6.513E-06	-5.045E-06	-3.594E-06	-2.152E-06	-7.169E-07	0.000E+00
0.000E+00	3.899E-07	1.355E-06	2.422E-06	3.224E-06	2.654E-06	1.320E-06	9.681E-07	1.947E-06	5.217E-06
8.505E-06	1.025E-05	1.077E-05	1.090E-05	1.165E-05	1.123E-05	9.766E-06	7.661E-06	3.883E-06	-1.204E-06
-6.515E-06	-1.136E-05	-1.515E-05	-1.760E-05	-1.858E-05	-1.849E-05	-1.786E-05	-1.685E-05	-1.560E-05	-1.422E-05
-1.271E-05	-1.114E-05	-9.567E-06	-8.028E-06	-6.526E-06	-5.053E-06	-3.599E-06	-2.155E-06	-7.177E-07	0.000E+00
0.000E+00	3.065E-07	5.476E-07	4.646E-07	5.516E-07	1.352E-06	3.408E-06	5.722E-06	7.627E-06	8.307E-06
8.716E-06	1.008E-05	1.069E-05	1.095E-05	1.145E-05	1.101E-05	9.582E-06	7.335E-06	3.621E-06	-1.264E-06
-6.418E-06	-1.114E-05	-1.486E-05	-1.729E-05	-1.835E-05	-1.836E-05	-1.777E-05	-1.679E-05	-1.557E-05	-1.419E-05
-1.270E-05	-1.114E-05	-9.573E-06	-8.035E-06	-6.532E-06	-5.058E-06	-3.601E-06	-2.156E-06	-7.181E-07	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Y VELOCITIES

AT NODES

0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	2.150E-06	4.445E-06	3.533E-06	1.659E-05	1.050E-05	7.992E-06	7.241E-06	4.464E-06	5.138E-06
3.108E-06	4.191E-06	2.506E-06	3.361E-06	1.649E-06	3.137E-06	8.749E-07	1.928E-06	-1.408E-13	0.000E+00
0.000E+00	1.131E-06	1.134E-06	1.138E-06	1.147E-06	1.160E-06	1.179E-06	1.200E-06	1.220E-06	1.243E-06

1.259E-06	1.289E-06	1.322E-06	1.389E-06	1.460E-06	1.278E-06	1.801E-06	2.028E-06	2.912E-06	2.962E-06
6.823E-06	4.665E-06	1.282E-05	9.952E-06	2.896E-05	2.020E-05	1.559E-05	1.377E-05	9.319E-06	9.719E-06
6.683E-06	7.839E-06	5.606E-06	6.133E-06	3.746E-06	5.950E-06	2.171E-06	2.992E-06	-7.652E-14	0.000E+00
0.000E+00	2.237E-06	2.241E-06	2.235E-06	2.255E-06	2.261E-06	2.334E-06	2.421E-06	2.404E-06	2.550E-06
2.385E-06	2.541E-06	2.292E-06	2.733E-06	3.422E-06	2.677E-06	3.667E-06	3.909E-06	6.011E-06	5.684E-06
1.556E-05	8.031E-06	1.637E-05	1.396E-05	2.243E-05	1.848E-05	1.457E-05	1.249E-05	9.788E-06	8.766E-06
7.375E-06	6.890E-06	6.747E-06	5.033E-06	4.330E-06	4.832E-06	2.818E-06	2.311E-06	5.440E-12	0.000E+00
0.000E+00	2.187E-06	2.193E-06	2.147E-06	2.180E-06	2.127E-06	2.281E-06	2.487E-06	2.293E-06	2.750E-06
2.049E-06	2.623E-06	2.107E-06	2.660E-06	3.790E-06	2.788E-06	3.901E-06	3.553E-06	7.294E-06	7.389E-06
1.708E-05	1.276E-05	1.629E-05	1.554E-05	1.867E-05	1.675E-05	1.315E-05	1.135E-05	9.882E-06	7.897E-06
7.865E-06	5.864E-06	6.650E-06	4.801E-06	4.500E-06	3.928E-06	4.024E-06	3.790E-06	2.647E-06	0.000E+00
0.000E+00	2.136E-06	2.158E-06	2.041E-06	2.126E-06	1.946E-06	2.216E-06	2.642E-06	2.037E-06	3.025E-06
1.994E-06	2.587E-06	2.395E-06	2.529E-06	3.735E-06	2.609E-06	4.045E-06	4.168E-06	8.602E-06	1.056E-05
1.735E-05	1.573E-05	1.717E-05	1.626E-05	1.604E-05	1.540E-05	1.132E-05	1.012E-05	1.009E-05	6.591E-06
7.141E-06	5.534E-06	5.867E-06	5.795E-06	4.840E-06	3.969E-06	3.882E-06	4.258E-06	5.182E-06	0.000E+00
0.000E+00	2.081E-06	2.153E-06	1.890E-06	2.129E-06	1.665E-06	2.117E-06	2.878E-06	1.982E-06	3.078E-06
2.218E-06	2.300E-06	2.654E-06	2.233E-06	3.228E-06	2.712E-06	4.197E-06	5.497E-06	9.117E-06	1.266E-05
1.951E-05	1.801E-05	1.857E-05	1.682E-05	1.351E-05	1.481E-05	8.856E-06	8.642E-06	8.802E-06	6.045E-06
5.834E-06	6.058E-06	4.896E-06	6.014E-06	5.417E-06	3.200E-06	2.788E-06	3.268E-06	5.140E-06	0.000E+00
0.000E+00	2.009E-06	2.223E-06	1.626E-06	2.145E-06	1.619E-06	2.031E-06	2.894E-06	2.101E-06	3.085E-06
2.305E-06	1.974E-06	2.140E-06	2.046E-06	2.654E-06	3.138E-06	4.520E-06	6.308E-06	9.649E-06	1.402E-05
2.352E-05	1.984E-05	2.049E-05	1.773E-05	9.946E-06	1.144E-05	7.630E-06	7.798E-06	7.014E-06	7.082E-06
5.547E-06	5.882E-06	4.918E-06	5.165E-06	5.144E-06	2.132E-06	3.329E-06	3.116E-06	4.688E-06	0.000E+00
0.000E+00	1.889E-06	2.207E-06	1.570E-06	2.020E-06	1.841E-06	1.929E-06	2.834E-06	1.942E-06	2.534E-06
2.149E-06	1.764E-06	1.577E-06	2.056E-06	2.679E-06	3.364E-06	4.754E-06	6.772E-06	9.952E-06	1.423E-05
3.048E-05	2.071E-05	1.480E-05	1.334E-05	7.746E-06	7.786E-06	8.932E-06	8.157E-06	6.762E-06	7.245E-06
5.371E-06	5.014E-06	4.669E-06	4.376E-06	4.110E-06	2.222E-06	2.923E-06	2.941E-06	3.758E-06	0.000E+00
0.000E+00	1.793E-06	2.001E-06	1.769E-06	1.807E-06	2.040E-06	1.702E-06	2.361E-06	1.722E-06	1.792E-06
1.847E-06	1.719E-06	1.701E-06	2.033E-06	2.691E-06	3.434E-06	4.848E-06	6.978E-06	1.001E-05	1.177E-05
2.262E-05	1.561E-05	8.423E-06	8.194E-06	9.280E-06	7.533E-06	9.343E-06	8.925E-06	6.690E-06	6.218E-06
4.856E-06	4.143E-06	2.317E-06	3.581E-06	3.224E-06	2.618E-06	2.000E-06	2.588E-06	3.010E-06	0.000E+00
0.000E+00	1.744E-06	1.758E-06	1.948E-06	1.580E-06	1.813E-06	1.500E-06	1.704E-06	1.559E-06	1.593E-06
1.585E-06	1.650E-06	1.746E-06	1.938E-06	2.684E-06	3.355E-06	4.780E-06	6.982E-06	1.027E-05	1.036E-05
1.104E-05	1.014E-05	1.183E-05	8.255E-06	9.628E-06	7.206E-06	8.038E-06	1.010E-05	6.225E-06	5.390E-06
4.195E-06	3.521E-06	1.368E-06	3.147E-06	2.392E-06	2.398E-06	2.056E-06	2.407E-06	2.637E-06	0.000E+00
0.000E+00	1.693E-06	1.511E-06	1.838E-06	1.394E-06	1.387E-06	1.372E-06	1.463E-06	1.355E-06	1.405E-06
1.308E-06	1.573E-06	1.769E-06	1.720E-06	2.694E-06	3.829E-06	5.117E-06	6.855E-06	9.732E-06	9.899E-06
1.771E-05	9.285E-06	1.551E-05	7.992E-06	7.445E-06	6.153E-06	6.459E-06	7.887E-06	5.082E-06	4.641E-06
3.419E-06	3.229E-06	1.632E-06	2.425E-06	1.939E-06	1.942E-06	2.321E-06	2.342E-06	2.485E-06	0.000E+00
0.000E+00	1.545E-06	1.326E-06	1.488E-06	1.260E-06	1.195E-06	1.219E-06	1.266E-06	1.118E-06	1.252E-06
9.501E-07	1.512E-06	1.848E-06	2.164E-06	2.970E-06	3.809E-06	4.095E-06	5.763E-06	1.064E-05	6.157E-06
1.238E-05	5.698E-06	1.034E-05	6.172E-06	5.429E-06	4.744E-06	4.629E-06	1.916E-06	3.411E-06	4.068E-06
2.412E-06	2.424E-06	1.586E-06	1.733E-06	2.195E-06	1.904E-06	2.360E-06	2.202E-06	2.254E-06	0.000E+00
0.000E+00	1.309E-06	1.196E-06	1.224E-06	1.091E-06	9.826E-07	1.061E-06	1.114E-06	8.193E-07	1.194E-06
1.257E-06	1.687E-06	1.892E-06	2.390E-06	2.362E-06	2.682E-06	2.146E-06	3.135E-06	6.401E-06	4.197E-07
-1.067E-05	-4.172E-07	-1.223E-06	3.588E-06	3.398E-06	3.207E-06	3.379E-06	-2.872E-07	1.926E-06	2.636E-06
1.700E-06	1.685E-06	1.992E-06	1.744E-06	2.273E-06	1.899E-06	2.071E-06	2.016E-06	2.035E-06	0.000E+00
0.000E+00	1.099E-06	1.036E-06	9.970E-07	9.164E-07	7.281E-07	9.091E-07	1.038E-06	1.020E-06	1.346E-06
1.553E-06	1.422E-06	1.658E-06	1.764E-06	1.315E-06	1.699E-06	1.074E-06	-1.061E-10	-5.260E-06	-4.177E-06
-1.788E-05	-4.064E-06	-5.677E-06	2.119E-06	1.369E-06	1.590E-06	1.757E-06	3.845E-07	1.270E-06	1.446E-06
2.083E-06	1.720E-06	2.198E-06	1.756E-06	1.935E-06	1.773E-06	1.833E-06	1.813E-06	1.819E-06	0.000E+00
0.000E+00	9.034E-07	8.702E-07	7.797E-07	7.648E-07	7.868E-07	9.377E-07	1.014E-06	1.211E-06	1.119E-06
1.174E-06	9.058E-07	1.276E-06	1.290E-06	9.005E-07	9.405E-07	1.034E-07	-2.201E-06	-8.850E-06	-5.475E-06
-1.061E-05	-4.269E-06	-3.865E-06	-1.967E-07	-2.008E-07	6.720E-07	6.322E-07	1.051E-06	1.250E-06	1.445E-06
2.287E-06	1.708E-06	1.838E-06	1.628E-06	1.675E-06	1.596E-06	1.612E-06	1.604E-06	1.605E-06	0.000E+00
0.000E+00	7.147E-07	7.166E-07	7.305E-07	7.633E-07	8.683E-07	8.094E-07	8.928E-07	9.103E-07	7.182E-07
9.025E-07	7.548E-07	9.738E-07	9.067E-07	3.901E-07	3.778E-07	-5.393E-07	-3.433E-06	-5.192E-06	-4.874E-06
-6.767E-06	-4.317E-06	-3.246E-06	-1.956E-06	2.740E-08	5.789E-07	7.547E-07	1.577E-06	1.216E-06	1.341E-06
1.769E-06	1.539E-06	1.555E-06	1.444E-06	1.442E-06	1.398E-06	1.398E-06	1.392E-06	1.392E-06	0.000E+00
0.000E+00	6.126E-07	6.321E-07	6.996E-07	6.573E-07	6.499E-07	5.468E-07	6.950E-07	6.801E-07	6.408E-07

7.044E-07	5.223E-07	7.356E-07	6.233E-07	-2.333E-07	1.724E-08	-7.416E-07	-2.744E-06	-3.420E-06	-4.249E-06
-5.047E-06	-4.067E-06	-2.862E-06	-1.452E-06	5.329E-07	5.020E-07	6.984E-07	1.163E-06	1.074E-06	1.170E-06
1.399E-06	1.314E-06	1.300E-06	1.236E-06	1.219E-06	1.190E-06	1.184E-06	1.180E-06	1.179E-06	0.000E+00
0.000E+00	5.359E-07	5.401E-07	5.261E-07	4.299E-07	4.604E-07	4.681E-07	5.345E-07	4.553E-07	5.417E-07
5.614E-07	2.018E-07	5.697E-07	5.061E-07	3.153E-08	6.932E-08	-6.988E-07	-1.462E-06	-3.216E-06	-3.706E-06
-3.897E-06	-3.041E-06	-2.247E-06	-1.150E-06	1.296E-07	3.745E-07	5.821E-07	8.714E-07	8.899E-07	9.685E-07
1.099E-06	1.074E-06	1.057E-06	1.017E-06	9.975E-07	9.778E-07	9.703E-07	9.662E-07	9.648E-07	0.000E+00
0.000E+00	4.007E-07	3.832E-07	3.658E-07	3.087E-07	2.763E-07	3.767E-07	4.070E-07	1.945E-07	4.571E-07
5.036E-07	4.016E-07	6.527E-07	4.916E-07	4.761E-07	-2.235E-07	-6.638E-07	-1.296E-06	-2.736E-06	-2.839E-06
-2.874E-06	-2.330E-06	-1.699E-06	-8.901E-07	-4.280E-08	2.553E-07	4.477E-07	6.406E-07	6.927E-07	7.557E-07
8.337E-07	8.310E-07	8.184E-07	7.929E-07	7.766E-07	7.625E-07	7.557E-07	7.522E-07	7.508E-07	0.000E+00
0.000E+00	2.698E-07	2.270E-07	2.146E-07	1.826E-07	6.270E-08	3.011E-07	3.332E-07	2.989E-07	5.259E-07
4.894E-07	6.199E-07	3.404E-07	3.603E-07	2.190E-07	-5.418E-07	-5.606E-07	-1.002E-06	-1.819E-06	-1.986E-06
-1.980E-06	-1.639E-06	-1.191E-06	-6.384E-07	-9.266E-08	1.596E-07	3.131E-07	4.412E-07	4.931E-07	5.395E-07
5.864E-07	5.907E-07	5.828E-07	5.671E-07	5.551E-07	5.455E-07	5.403E-07	5.376E-07	5.364E-07	0.000E+00
0.000E+00	1.483E-07	6.364E-08	6.754E-08	7.571E-08	7.592E-08	3.381E-07	2.998E-07	4.165E-07	2.742E-07
3.405E-07	3.268E-07	-6.885E-08	1.695E-07	8.904E-08	-2.827E-07	-3.622E-07	-6.250E-07	-1.048E-06	-1.172E-06
-1.162E-06	-9.722E-07	-7.065E-07	-3.852E-07	-7.698E-08	8.610E-08	1.843E-07	2.590E-07	2.947E-07	3.232E-07
3.487E-07	3.531E-07	3.490E-07	3.404E-07	3.333E-07	3.276E-07	3.245E-07	3.227E-07	3.219E-07	0.000E+00
0.000E+00	4.534E-08	-1.046E-08	-2.692E-09	1.533E-08	1.039E-07	2.028E-07	1.429E-07	1.422E-07	-4.072E-08
1.026E-07	1.009E-07	-1.013E-08	4.978E-08	2.383E-08	-8.881E-08	-1.242E-07	-2.118E-07	-3.427E-07	-3.871E-07
-3.828E-07	-3.221E-07	-2.341E-07	-1.288E-07	-2.892E-08	2.706E-08	6.076E-08	8.542E-08	9.800E-08	1.076E-07
1.158E-07	1.175E-07	1.162E-07	1.135E-07	1.111E-07	1.093E-07	1.082E-07	1.076E-07	1.073E-07	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

STABILITY CRITERIA --- M.O.C.

MAXIMUM FLUID VELOCITIES: X-VEL = 7.09E-05 Y-VEL = 3.49E-05
TMV (MAX. INJ.) = .31510E+07
TIMV (CELDIS) = .14039E+06
TIMV = 1.40E+05 NTIMV = 2247 NMOV = 2248

TIM (N) = .31558E+09
TIMEVELO = .14038E+06
TIMEDISP = .38747E+07
TIMV = 1.40E+05 NTIMD = 81 NMOV = 2248
THE LIMITING STABILITY CRITERION IS CELDIS
MAX. Y-VEL. IS CONSTRAINT AND OCCURS BETWEEN NODES (21, 9) AND (21,10)

DISPERSION EQUATION COEFFICIENTS =(D-IJ)*(B)*(POROS)/(GRID FACTOR)
XX COEFFICIENT

2.42E-09	2.42E-09	2.44E-09	2.46E-09	2.50E-09	2.54E-09	2.58E-09	2.63E-09	2.67E-09	2.72E-09
2.79E-09	2.89E-09	3.04E-09	2.92E-09	3.28E-09	4.09E-09	5.27E-09	6.27E-09	1.04E-08	0.00E+00
4.83E-09	5.00E-09	5.49E-09	6.16E-09	7.42E-09	8.08E-09	7.72E-09	8.59E-09	7.24E-09	1.02E-08
1.11E-08	2.06E-08	2.22E-08	9.42E-09	7.55E-09	8.21E-09	1.20E-08	1.25E-08	2.38E-08	0.00E+00
4.73E-09	4.84E-09	5.37E-09	5.96E-09	7.56E-09	8.42E-09	7.51E-09	9.27E-09	6.39E-09	1.08E-08
8.01E-09	5.28E-09	7.23E-09	9.26E-09	9.53E-09	8.10E-09	1.38E-08	2.85E-08	8.36E-08	0.00E+00
4.64E-09	4.63E-09	5.30E-09	5.58E-09	7.92E-09	9.20E-09	6.73E-09	1.11E-08	7.87E-09	5.13E-09
8.00E-09	5.85E-09	8.65E-09	7.51E-09	1.08E-08	1.24E-08	2.01E-08	2.92E-08	6.34E-08	0.00E+00
4.60E-09	4.36E-09	5.40E-09	4.84E-09	8.64E-09	1.08E-08	7.80E-09	5.84E-09	7.32E-09	5.42E-09
8.18E-09	5.69E-09	9.76E-09	2.54E-08	1.83E-08	1.57E-08	1.58E-08	2.58E-08	4.98E-08	0.00E+00
4.68E-09	4.14E-09	5.97E-09	6.15E-09	4.02E-09	5.50E-09	7.19E-09	7.48E-09	6.24E-09	5.01E-09
8.80E-09	2.66E-08	2.65E-08	2.64E-08	2.27E-08	2.06E-08	1.89E-08	2.53E-08	4.19E-08	0.00E+00
4.91E-09	6.02E-09	4.00E-09	6.09E-09	4.42E-09	6.53E-09	5.73E-09	8.44E-09	2.58E-08	3.04E-08
3.08E-08	2.83E-08	2.84E-08	2.84E-08	2.70E-08	2.63E-08	2.58E-08	3.07E-08	5.36E-08	0.00E+00

4.08E-09	5.82E-09	4.24E-09	6.15E-09	4.29E-09	7.20E-09	2.12E-08	2.30E-08	2.59E-08	2.96E-08
3.05E-08	2.96E-08	3.04E-08	3.08E-08	3.13E-08	3.25E-08	3.38E-08	3.72E-08	9.84E-08	0.00E+00
3.83E-09	5.72E-09	4.01E-09	6.30E-09	1.51E-08	1.66E-08	2.05E-08	2.30E-08	2.59E-08	2.95E-08
3.07E-08	3.04E-08	3.25E-08	3.31E-08	3.57E-08	3.89E-08	4.22E-08	3.74E-08	2.43E-08	0.00E+00
3.48E-09	5.67E-09	1.09E-08	1.23E-08	1.49E-08	1.70E-08	2.01E-08	2.31E-08	2.57E-08	2.99E-08
3.11E-08	3.08E-08	3.51E-08	3.50E-08	2.08E-08	1.44E-08	1.99E-08	3.84E-08	7.32E-08	0.00E+00
4.75E-09	6.00E-09	9.82E-09	1.20E-08	1.48E-08	1.71E-08	1.96E-08	2.33E-08	2.52E-08	3.11E-08
3.19E-08	3.02E-08	1.41E-08	9.13E-09	2.35E-08	6.38E-08	9.33E-08	4.63E-08	1.17E-07	0.00E+00
4.14E-09	6.01E-09	9.19E-09	1.17E-08	1.49E-08	1.71E-08	1.90E-08	2.38E-08	2.38E-08	9.44E-09
4.99E-09	5.94E-09	1.51E-08	3.94E-08	5.51E-08	6.98E-08	1.16E-07	1.66E-08	1.07E-07	0.00E+00
3.69E-09	5.80E-09	8.76E-09	1.12E-08	1.52E-08	1.73E-08	1.77E-08	7.42E-09	4.20E-09	9.62E-09
2.26E-08	2.87E-08	3.61E-08	4.12E-08	5.34E-08	6.92E-08	1.13E-07	1.11E-08	5.00E-08	0.00E+00
3.35E-09	5.47E-09	8.50E-09	1.04E-08	4.94E-09	2.67E-09	3.11E-09	7.58E-09	1.80E-08	2.25E-08
2.40E-08	2.88E-08	3.48E-08	4.15E-08	5.09E-08	6.28E-08	8.32E-08	2.66E-08	2.59E-08	0.00E+00
3.10E-09	5.04E-09	3.51E-09	2.17E-09	5.01E-09	1.14E-08	1.46E-08	1.79E-08	1.88E-08	2.19E-08
2.48E-08	2.87E-08	3.35E-08	4.13E-08	4.79E-08	5.47E-08	7.07E-08	2.82E-08	1.68E-08	0.00E+00
1.35E-09	1.55E-09	3.53E-09	8.23E-09	1.11E-08	1.20E-08	1.45E-08	1.76E-08	1.91E-08	2.15E-08
2.53E-08	2.83E-08	3.15E-08	4.14E-08	4.50E-08	4.45E-08	1.12E-08	8.54E-09	9.94E-09	0.00E+00
2.27E-09	4.40E-09	6.72E-09	8.37E-09	1.09E-08	1.22E-08	1.44E-08	1.76E-08	1.91E-08	2.07E-08
2.61E-08	2.79E-08	2.80E-08	1.05E-08	5.37E-09	5.40E-09	6.09E-09	8.54E-09	1.14E-08	0.00E+00
2.11E-09	4.27E-09	6.46E-09	8.33E-09	1.11E-08	1.24E-08	1.40E-08	1.81E-08	1.92E-08	1.92E-08
8.20E-09	4.15E-09	4.38E-09	9.09E-09	2.26E-08	2.22E-08	1.92E-08	7.27E-09	1.03E-08	0.00E+00
1.92E-09	4.17E-09	6.30E-09	8.11E-09	1.15E-08	1.24E-08	1.30E-08	5.90E-09	3.08E-09	3.46E-09
8.14E-09	2.12E-08	2.46E-08	2.71E-08	2.28E-08	2.04E-08	1.56E-08	5.44E-09	9.31E-09	0.00E+00
1.68E-09	4.12E-09	6.22E-09	7.55E-09	3.81E-09	1.97E-09	2.41E-09	6.07E-09	1.63E-08	2.01E-08
2.37E-08	2.23E-08	2.42E-08	2.55E-08	2.25E-08	1.93E-08	1.36E-08	3.92E-09	8.63E-09	0.00E+00

YY COEFFICIENT

2.16E-07	2.18E-07	2.23E-07	2.31E-07	2.46E-07	2.62E-07	2.66E-07	2.72E-07	2.72E-07	2.86E-07
3.23E-07	4.18E-07	5.31E-07	4.20E-07	2.69E-07	3.49E-07	3.96E-07	5.61E-07	5.73E-07	1.34E-06
2.12E-07	2.17E-07	2.29E-07	2.57E-07	3.00E-07	3.52E-07	3.58E-07	3.65E-07	3.60E-07	3.72E-07
4.54E-07	4.57E-07	5.62E-07	5.53E-07	3.68E-07	3.84E-07	4.03E-07	6.04E-07	1.19E-06	2.69E-06
2.07E-07	2.13E-07	2.21E-07	2.51E-07	2.96E-07	3.69E-07	3.65E-07	3.72E-07	4.08E-07	2.91E-07
3.70E-07	2.83E-07	2.84E-07	3.98E-07	3.75E-07	4.77E-07	3.22E-07	9.91E-07	2.20E-06	3.50E-06
2.03E-07	2.09E-07	2.10E-07	2.44E-07	2.88E-07	4.07E-07	4.04E-07	3.06E-07	3.92E-07	2.61E-07
2.95E-07	3.07E-07	3.09E-07	5.88E-07	6.35E-07	6.38E-07	4.79E-07	1.01E-06	1.79E-06	3.25E-06
1.98E-07	2.08E-07	1.93E-07	2.66E-07	2.28E-07	2.95E-07	3.76E-07	2.84E-07	3.28E-07	2.55E-07
2.92E-07	5.45E-07	7.26E-07	9.76E-07	1.03E-06	8.58E-07	6.92E-07	9.02E-07	1.45E-06	3.10E-06
1.92E-07	2.34E-07	1.75E-07	2.62E-07	2.14E-07	2.15E-07	3.04E-07	2.96E-07	5.39E-07	7.07E-07
8.07E-07	1.05E-06	1.23E-06	1.23E-06	1.17E-06	1.07E-06	9.83E-07	1.07E-06	1.43E-06	3.17E-06
1.76E-07	2.41E-07	2.08E-07	2.27E-07	2.32E-07	2.31E-07	4.63E-07	6.18E-07	9.21E-07	1.25E-06
1.36E-06	1.33E-06	1.31E-06	1.32E-06	1.31E-06	1.30E-06	1.31E-06	1.41E-06	2.25E-06	3.65E-06
1.70E-07	2.10E-07	2.19E-07	2.19E-07	3.56E-07	4.54E-07	7.27E-07	9.81E-07	1.10E-06	1.24E-06
1.35E-06	1.36E-06	1.38E-06	1.42E-06	1.46E-06	1.54E-06	1.64E-06	1.70E-06	2.00E-06	1.19E-06
1.65E-07	1.93E-07	2.99E-07	3.51E-07	5.38E-07	7.11E-07	8.31E-07	9.70E-07	1.10E-06	1.24E-06
1.36E-06	1.38E-06	1.44E-06	1.52E-06	1.38E-06	1.17E-06	1.21E-06	1.59E-06	1.87E-06	1.21E-06
1.67E-07	2.04E-07	3.63E-07	5.02E-07	6.05E-07	7.14E-07	8.26E-07	9.63E-07	1.09E-06	1.25E-06
1.39E-06	1.39E-06	1.22E-06	1.02E-06	9.93E-07	1.34E-06	2.02E-06	2.15E-06	2.99E-06	2.41E-06
1.55E-07	2.30E-07	3.48E-07	4.78E-07	5.98E-07	7.16E-07	8.17E-07	9.59E-07	1.08E-06	9.95E-07
8.50E-07	7.90E-07	7.31E-07	8.62E-07	1.39E-06	2.36E-06	3.84E-06	3.20E-06	3.15E-06	8.60E-07
1.33E-07	2.17E-07	3.33E-07	4.57E-07	5.92E-07	7.23E-07	7.98E-07	7.56E-07	6.51E-07	5.26E-07
5.20E-07	6.72E-07	9.44E-07	1.47E-06	2.12E-06	2.77E-06	4.12E-06	2.78E-06	1.93E-06	2.33E-06
1.15E-07	2.03E-07	3.19E-07	4.35E-07	4.63E-07	4.39E-07	4.42E-07	4.01E-07	4.15E-07	5.98E-07
8.75E-07	1.17E-06	1.44E-06	1.72E-06	2.10E-06	2.65E-06	3.66E-06	2.69E-06	1.14E-06	1.56E-06
9.85E-08	1.89E-07	2.49E-07	2.67E-07	2.52E-07	2.68E-07	3.43E-07	4.75E-07	6.93E-07	9.10E-07
1.04E-06	1.19E-06	1.41E-06	1.69E-06	2.04E-06	2.42E-06	3.03E-06	2.34E-06	1.02E-06	9.28E-07
6.80E-08	1.12E-07	1.52E-07	1.93E-07	2.90E-07	4.38E-07	5.88E-07	7.24E-07	8.22E-07	9.11E-07
1.05E-06	1.20E-06	1.37E-06	1.65E-06	1.97E-06	2.15E-06	2.03E-06	1.26E-06	6.05E-07	6.23E-07
6.28E-08	9.91E-08	1.75E-07	2.98E-07	4.32E-07	5.17E-07	5.95E-07	7.18E-07	8.23E-07	9.01E-07
1.05E-06	1.21E-06	1.30E-06	1.25E-06	1.15E-06	1.12E-06	7.07E-07	3.74E-07	3.96E-07	7.07E-07

6.25E-08	1.45E-07	2.45E-07	3.34E-07	4.33E-07	5.22E-07	5.93E-07	7.18E-07	8.30E-07	8.76E-07
8.29E-07	7.41E-07	7.19E-07	5.83E-07	5.32E-07	6.18E-07	5.66E-07	4.62E-07	3.25E-07	7.64E-07
5.31E-08	1.39E-07	2.37E-07	3.27E-07	4.37E-07	5.30E-07	5.80E-07	5.70E-07	5.16E-07	5.00E-07
4.39E-07	4.69E-07	6.06E-07	7.30E-07	9.16E-07	9.84E-07	8.63E-07	5.14E-07	2.50E-07	6.96E-07
4.40E-08	1.33E-07	2.33E-07	3.16E-07	3.47E-07	3.32E-07	3.32E-07	3.08E-07	3.52E-07	4.78E-07
6.18E-07	8.42E-07	1.03E-06	1.14E-06	1.10E-06	9.51E-07	7.70E-07	4.20E-07	1.86E-07	6.50E-07
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

XY COEFFICIENT

0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CONCENTRATION

```
 NUMBER OF TIME STEPS =     0
       TIME(SECONDS) =    .00000
  CHEM.TIME(SECONDS) =    .00000E+00
  CHEM.TIME(DAYS)    =    .00000E+00
       TIME(YEARS)   =    .00000E+00
  CHEM.TIME(YEARS)   =    .00000E+00
 NO. MOVES COMPLETED =     0
```

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

```
   N =    1
   NUMBER OF ITERATIONS =    28
HEAD DISTRIBUTION - ROW
 NUMBER OF TIME STEPS =     1
       TIME(SECONDS) =    .31558E+09
       TIME(DAYS)    =    .36525E+04
       TIME(YEARS)   =    .10000E+02
```

.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
.0000000	3.2799964	3.2799934	6.5599945	6.5599787	9.8399852	13.1199886	16.3999881	16.3999949	19.6799909
19.6799967	22.9599921	22.9599975	26.2399933	26.2399987	29.5199936	29.5199997	32.7999952	32.7999993	.0000000
.0000000	-.0000015	-.0000022	-.0000022	-.0000022	-.0000022	-.0000023	-.0000023	-.0000023	-.0000024
-.0000024	-.0000024	-.0000025	-.0000026	-.0000026	-.0000024	-.0000031	-.0000034	-.0000046	-.0000047
-.0000104	-31.2731376	-33.8369479	-22.9422619	-3.8960428	3.2210626	8.0830770	11.8362961	13.5865835	16.4414515
17.7210712	20.3184303	21.3805537	24.1218421	25.2005391	27.5425769	28.9686029	31.5848537	32.7999999	.0000000
.0000000	-9.1882107	-9.2079363	-9.2481518	-9.3213524	-9.4264473	-9.5790752	-9.7513045	-9.9087611	-10.0941414
-10.2304029	-10.4704432	-10.7395193	-11.2834561	-11.8633122	-20.5341442	-28.9409487	-32.5941168	-46.8072748	-47.5998431
-56.9777054	-52.2812130	-39.1129777	-26.9879905	-11.6898171	-2.8945963	3.2936442	7.7196250	10.5266628	13.5544640
15.4680617	18.0194971	19.4263650	22.3747447	23.8791318	25.7695938	23.3515651	26.9737372	32.7999996	.0000000
.0000000	-9.3814364	-9.4014554	-9.4397257	-9.5148425	-9.6186374	-9.7807516	-9.9645987	-10.1155638	-10.3225128
-10.4270330	-10.6892576	-18.6164658	-22.2021618	-27.7990090	-43.0207958	-58.9430969	-62.8310931	-72.6851329	-70.3316101
-62.4844008	-55.7573239	-44.1563545	-31.7416467	-18.0323707	-8.4284899	-1.1024476	3.9643068	7.4175004	10.9161562
13.0727248	15.9760235	17.1281609	12.5790374	14.2020865	17.0205482	16.3651329	21.2487992	32.7999934	.0000000

```
   .0000000  -9.5703191  -9.5910963  -9.6231830  -9.7022641  -9.7979803  -9.9775901 -10.1858146 -10.3094106 -10.5745838
-17.9248249 -21.8258944 -36.9007464 -43.3529477 -57.1818583 -65.3502212 -75.9284126 -76.7933494 -75.3296107 -73.2730063
-67.7417810 -60.3208655 -49.3817218 -36.7841004 -23.4587675 -13.4540539  -4.9942920    .5691178   4.2982116   8.5773910
 10.5107624   4.6140857   4.1110239    .9152312   3.7944733   8.2545049  13.4919979  18.3295153  20.6434661    .0000000
   .0000000  -9.7546430  -9.7783953  -9.7962373  -9.8861852  -9.9586505 -10.1679357 -10.4261645 -17.8468476 -23.4224060
-35.1335627 -41.3667741 -57.1096493 -62.8558880 -73.1063733 -75.5375735 -77.1961036 -78.3664610 -78.1067076 -76.9891534
-73.4216018 -65.6695091 -54.9775922 -41.9887956 -28.1441127 -18.1348574  -8.2396411  -2.4166654   1.0562143  -3.9021580
 -2.8201339  -8.7570308  -9.0346939  -2.8215926    .8397881   5.8894863   7.1583790  10.4544174   9.0034836    .0000000
   .0000000  -9.9337977  -9.9672351  -9.9532949 -10.0742419 -16.0127878 -18.5103314 -22.6328077 -34.7909063 -47.4735674
-53.5647449 -58.7864239 -68.7703198 -71.3671537 -73.9387971 -76.4780655 -78.5738527 -80.2578700 -81.0756741 -81.2517024
-80.0360222 -71.6741713 -61.0864054 -47.3842890 -31.9734577 -22.7902841 -24.3028172 -19.3377999 -14.7971871 -18.4378512
-15.4844426 -12.3690745 -11.3687086  -5.9889440  -2.4247147    .6540303    .6874950   3.3234922   6.0125779    .0000000
   .0000000 -10.1055988 -10.1667952 -15.8588692 -18.7527909 -30.0557870 -34.6524783 -44.9906663 -51.6168591 -60.7360221
-63.2410101 -66.2168034 -69.2392830 -72.0145792 -74.7794244 -77.5156647 -80.0450625 -82.3421103 -84.1883146 -85.8244534
-88.2460353 -78.1755168 -67.8907004 -53.1608564 -48.7445914 -40.3689895 -42.3163696 -37.2155870 -30.2060757 -22.9339882
-18.6866484 -15.5090736 -14.6801077  -8.7511008  -5.0655215  -3.9018102  -1.5167324   1.5289228   3.6219429    .0000000
   .0000000 -17.4631365 -18.8158996 -29.4108348 -34.0473210 -45.5960664 -49.5129880 -57.0394548 -59.0911982 -61.3323547
-63.8653376 -66.7680223 -69.7641779 -72.6629474 -75.6274577 -78.5983993 -81.5699539 -84.5263943 -87.3481341 -90.2211733
-99.2449243 -84.7246034 -85.2412316 -71.2589124 -66.5411905 -57.4951289 -48.0666937 -42.1108884 -34.1167944 -26.7549499
-21.6500461 -18.1248551 -16.7286910 -11.0125242  -7.1434322  -5.3133307  -2.6679949   -.0529853   1.6984703    .0000000
   .0000000 -31.7184629 -33.8662441 -44.2932009 -47.8003519 -54.5565899 -56.0090019 -57.6184790 -59.6122750 -61.8653362
```

CONCENTRATION

```
 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .14038E+08
    CHEM.TIME(DAYS)   =   .16248E+03
        TIME(YEARS)   =   .10000E+02
    CHEM.TIME(YEARS)  =   .44484E+00
  NO. MOVES COMPLETED =   100
```

```
10012128711289112922129621302913123132041331313367134457   0   0   0   0   0   0   0   0
 4856 6493 6449 6349 6361 6323 6261 7277 7572 7592 8903   24   1   0   0   0   0   0   0   0
  200  275  287  312  349  398  415  428  433  457  531   53   0   0   0   0   0   0   0   0
   31   43   49   54   66   68   62   86   54   91   79    0   0   0   0   0   0   0   0   0
    1    2    2    3    3    5    4    5    5    4    5    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0
```

CHANGE IN CONCENTRATION

```
 NUMBER OF TIME STEPS =   1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .14038E+08
    CHEM.TIME(DAYS)   =   .16248E+03
```

```
        TIME(YEARS)    =    .10000E+02
   CHEM.TIME(YEARS)    =    .44484E+00
  NO. MOVES COMPLETED =    100

10012128711289112922129621302913123132041331313367134457    0    0    0    0    0    0    0    0
 4856 6493 6449 6349 6361 6323 6261 7277 7572 7592 8903   24    1    0    0    0    0    0    0    0
  200  275  287  312  349  398  415  428  433  457  531   53    0    0    0    0    0    0    0    0
   31   43   49   54   66   68   62   86   54   91   79    0    0    0    0    0    0    0    0    0
    1    2    2    3    3    5    4    5    5    4    5    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES     =    .11875E+12
       MASS OUT BOUNDARIES    =   -.20291E-15
       MASS PUMPED IN         =    .00000E+00
       MASS PUMPED OUT        =   -.12002E+11
       MASS LOST BY DECAY     =    .00000E+00
       MASS ADSORBED ON SOLIDS=    .00000E+00
       INITIAL MASS ADSORBED  =    .00000E+00
       INFLOW MINUS OUTFLOW   =    .10675E+12
       INITIAL MASS DISSOLVED =    .00000E+00
       PRESENT MASS DISSOLVED =    .11623E+12
       CHANGE MASS DISSOLVED  =    .11623E+12
       CHANGE TOTL.MASS STORED=    .11623E+12
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL  =   -.94808E+10
       ERROR  (AS PERCENT)    =   -.79841E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =      1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
   CHEM.TIME(SECONDS) =    .28076E+08
   CHEM.TIME(DAYS)    =    .32495E+03
       TIME(YEARS)    =    .10000E+02
   CHEM.TIME(YEARS)   =    .88968E+00
  NO. MOVES COMPLETED =    200

15189178561786817883179011794718014180841816618214818217  104    1    0    0    0    0    0    0    0
10405130171317513423133361341313592143281438314647145881448    7    0    0    0    0    0    0    0
 1757 2387 2399 2429 2516 2648 3983 3687 4572 3593 4167 1132    4    0    0    0    0    0    0    0
  409  552  598  662  609  812  755  835  973  855  969  187    2    0    0    0    0    0    0    0
   21   29   29   38   38   67   75   71  111   61   81   19    0    0    0    0    0    0    0    0
```

```
   4    5    2    7    5   16   22   15   19   13   14    4    0    0    0    0    0    0    0    0
   0    0    0    0    0    1    1    1    2    1    2    1    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
      DELTA T         =   .31558E+09
      TIME(SECONDS)   =   .31558E+09
   CHEM.TIME(SECONDS) =   .28076E+08
   CHEM.TIME(DAYS)    =   .32495E+03
      TIME(YEARS)     =   .10000E+02
   CHEM.TIME(YEARS)   =   .88968E+00
  NO. MOVES COMPLETED =   200

151891785617868178831790117947180141808418166182141821 7  104    1    0    0    0    0    0    0    0
104051301713175134231333613413135921432814383146471458 8 1448    7    0    0    0    0    0    0    0
 1757 2387 2399 2429 2516 2648 3983 3687 4572 3593 4167 1132    4    0    0    0    0    0    0    0
  409  552  598  662  609  812  755  835  973  855  969  187    2    0    0    0    0    0    0    0
   21   29   29   38   38   67   75   71  111   61   81   19    0    0    0    0    0    0    0    0
    4    5    2    7    5   16   22   15   19   13   14    4    0    0    0    0    0    0    0    0
    0    0    0    0    0    1    1    1    2    1    2    1    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHEMICAL MASS BALANCE

      MASS IN BOUNDARIES      =   .23749E+12
      MASS OUT BOUNDARIES     =  -.10836E-10
      MASS PUMPED IN          =   .00000E+00
      MASS PUMPED OUT         =  -.36985E+11
      MASS LOST BY DECAY      =   .00000E+00
      MASS ADSORBED ON SOLIDS =   .00000E+00
      INITIAL MASS ADSORBED   =   .00000E+00
      INFLOW MINUS OUTFLOW    =   .20051E+12
      INITIAL MASS DISSOLVED  =   .00000E+00
      PRESENT MASS DISSOLVED  =   .20532E+12
      CHANGE MASS DISSOLVED   =   .20532E+12
```

```
      CHANGE TOTL.MASS STORED=    .20532E+12
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
      MASS BALANCE RESIDUAL  =  -.48081E+10
      ERROR  (AS PERCENT)    =  -.20245E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .42114E+08
   CHEM.TIME(DAYS)    =   .48743E+03
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .13345E+01
  NO. MOVES COMPLETED =   300

17987199151992019925199271995319995200432009420119200882  233   3   0   0   0   0   0   0   0
15409178891780417952177651772117856181141824218224181662099  34   1   0   0   0   0   0   0   0
 80111050610431111161012610495102941037411571105441108340462  20   2   0   0   0   0   0   0   0
 1200 1525 1437 1652 1735 2212 2220 2367 3110 2321 3144  384   7   1   0   0   0   0   0   0   0
  253  393  193  301  279  638  663  643 1122  632  998  180  15   0   0   0   0   0   0   0   0
   19   45   31   36   56  119  161  111  162  109   98   33   6   0   0   0   0   0   0   0   0
    2    4    2    4    4   11   23   12   30   15   15    9   2   0   0   0   0   0   0   0   0
    0    1    0    1    1    1    3    2    6    4    4    3   1   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    1    1    1    1   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .42114E+08
   CHEM.TIME(DAYS)    =   .48743E+03
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .13345E+01
  NO. MOVES COMPLETED =   300

17987199151992019925199271995319995200432009420119200882  233   3   0   0   0   0   0   0   0
15409178891780417952177651772117856181141824218224181662099  34   1   0   0   0   0   0   0   0
 80111050610431111161012610495102941037411571105441108340462  20   2   0   0   0   0   0   0   0
 1200 1525 1437 1652 1735 2212 2220 2367 3110 2321 3144  384   7   1   0   0   0   0   0   0   0
  253  393  193  301  279  638  663  643 1122  632  998  180  15   0   0   0   0   0   0   0   0
   19   45   31   36   56  119  161  111  162  109   98   33   6   0   0   0   0   0   0   0   0
    2    4    2    4    4   11   23   12   30   15   15    9   2   0   0   0   0   0   0   0   0
    0    1    0    1    1    1    3    2    6    4    4    3   1   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    1    1    1    1   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0   0   0
```

```
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES      =    .35624E+12
        MASS OUT BOUNDARIES     =   -.54923E-07
        MASS PUMPED IN          =    .00000E+00
        MASS PUMPED OUT         =   -.66990E+11
        MASS LOST BY DECAY      =    .00000E+00
        MASS ADSORBED ON SOLIDS=     .00000E+00
        INITIAL MASS ADSORBED   =    .00000E+00
        INFLOW MINUS OUTFLOW    =    .28925E+12
        INITIAL MASS DISSOLVED  =    .00000E+00
        PRESENT MASS DISSOLVED  =    .29778E+12
        CHANGE MASS DISSOLVED   =    .29778E+12
        CHANGE TOTL.MASS STORED=     .29778E+12
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   -.85256E+10
        ERROR  (AS PERCENT)     =   -.23932E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =      1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .56152E+08
   CHEM.TIME(DAYS)    =    .64991E+03
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .17794E+01
  NO. MOVES COMPLETED =    400

195332079820799207992078820800208232085020881208902084 8  380    8   0   0   0   0   0   0   0
177871958919568195531936819371193701962819925198671977 7 2738   63   2   0   0   0   0   0   0
123631471114617152141401414475155581562316526154131608 1 5749   59   4   0   0   0   0   0   0
 3727 5271 4860 5681 5509 7369 8305 8928 9181 7908 9811 4104   48   4   0   0   0   0   0   0
  834 1354 1219 1300 1440 2366 2738 2322 3015 2364 2855 1242   20   1   0   0   0   0   0   0
  109  145  145  194  235  440  758  434  974  498  549  264   35   1   0   0   0   0   0   0
   18   23   16   36   38   81  186   84  217  120   98   73   16   1   0   0   0   0   0   0
    2    3    2    4    5    9   31   16   38   33   28   22    8   1   0   0   0   0   0   0
    0    0    0    0    1    1    6    4    9   10    8    6    2   0   0   0   0   0   0   0
    0    0    0    0    0    0    1    1    2    2    2    2    1   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0   0   0   0   0   0
CHANGE IN CONCENTRATION
```

```
 NUMBER OF TIME STEPS =     1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
  CHEM.TIME(SECONDS)  =    .56152E+08
  CHEM.TIME(DAYS)     =    .64991E+03
       TIME(YEARS)    =    .10000E+02
  CHEM.TIME(YEARS)    =    .17794E+01
  NO. MOVES COMPLETED =    400

19533207982079920799207882080020823208502088120890208480  380    8    0    0    0    0    0    0
17787195891956819553193681937119370196281992519867197772738    63    2    0    0    0    0    0    0
12363147111461715214140141447515558156231652615413160815749    59    4    0    0    0    0    0    0
 3727 5271 4860 5681 5509 7369 8305 8928 9181 7908 9811 4104   48    4    0    0    0    0    0    0
  834 1354 1219 1300 1440 2366 2738 2322 3015 2364 2855 1242   20    1    0    0    0    0    0    0
  109  145  145  194  235  440  758  434  974  498  549  264   35    1    0    0    0    0    0    0
   18   23   16   36   38   81  186   84  217  120   98   73   16    1    0    0    0    0    0    0
    2    3    2    4    5    9   31   16   38   33   28   22    8    1    0    0    0    0    0    0
    0    0    0    0    1    1    6    4    9   10    8    6    2    0    0    0    0    0    0    0
    0    0    0    0    0    0    1    1    2    2    2    2    1    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES     =    .47499E+12
       MASS OUT BOUNDARIES    =   -.40440E-04
       MASS PUMPED IN         =    .00000E+00
       MASS PUMPED OUT        =   -.99095E+11
       MASS LOST BY DECAY     =    .00000E+00
       MASS ADSORBED ON SOLIDS=    .00000E+00
       INITIAL MASS ADSORBED  =    .00000E+00
       INFLOW MINUS OUTFLOW   =    .37590E+12
       INITIAL MASS DISSOLVED =    .00000E+00
       PRESENT MASS DISSOLVED =    .38221E+12
       CHANGE MASS DISSOLVED  =    .38221E+12
       CHANGE TOTL.MASS STORED=    .38221E+12
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL  =   -.63181E+10
       ERROR  (AS PERCENT)    =   -.13302E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASEG

CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
  CHEM.TIME(SECONDS)  =    .70190E+08
  CHEM.TIME(DAYS)     =    .81239E+03
       TIME(YEARS)    =    .10000E+02
  CHEM.TIME(YEARS)    =    .22242E+01
  NO. MOVES COMPLETED =    500
```

```
203912118321183211822117121177211912120721226212282118 9  432   15    0    0    0    0    0    0    0
194832066220652206502053420535206432069320748207772066 4 2952  118    3    0    0    0    0    0    0
161611815418120182241761117781182901820018490181661831 9 7401  144    6    0    0    0    0    0    0
 935511422114321118011386119551284913088138791317713614 6591   65    5    0    0    0    0    0    0
 2076 2591 2701 2914 3074 4188 6180 4578 8787 4680 6289 3845  110    5    0    0    0    0    0    0
  558  727  720  897  765 1594 2515 1802 2993 1790 2081 1301  130    5    0    0    0    0    0    0
  113  148  103  203  149  322  574  419  700  549  413  371  124    7    1    0    0    0    0    0
   15   19   16   28   21   44  152   97  184  204  144  127   43    6    0    0    0    0    0    0
    2    3    2    4    3    7   26   32   46   58   47   38   20    5    0    0    0    0    0    0
    0    0    0    0    1    1    5    6   11   15   12   12    7    2    0    0    0    0    0    0
    0    0    0    0    0    0    1    1    3    3    4    4    2    1    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    1    1    1    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .70190E+08
   CHEM.TIME(DAYS)    =   .81239E+03
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .22242E+01
  NO. MOVES COMPLETED =   500

203912118321183211822117121177211912120721226212282118 9  432   15    0    0    0    0    0    0    0
194832066220652206502053420535206432069320748207772066 4 2952  118    3    0    0    0    0    0    0
161611815418120182241761117781182901820018490181661831 9 7401  144    6    0    0    0    0    0    0
 935511422114321118011386119551284913088138791317713614 6591   65    5    0    0    0    0    0    0
 2076 2591 2701 2914 3074 4188 6180 4578 8787 4680 6289 3845  110    5    0    0    0    0    0    0
  558  727  720  897  765 1594 2515 1802 2993 1790 2081 1301  130    5    0    0    0    0    0    0
  113  148  103  203  149  322  574  419  700  549  413  371  124    7    1    0    0    0    0    0
   15   19   16   28   21   44  152   97  184  204  144  127   43    6    0    0    0    0    0    0
    2    3    2    4    3    7   26   32   46   58   47   38   20    5    0    0    0    0    0    0
    0    0    0    0    1    1    5    6   11   15   12   12    7    2    0    0    0    0    0    0
    0    0    0    0    0    0    1    1    3    3    4    4    2    1    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    1    1    1    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHEMICAL MASS BALANCE

      MASS IN BOUNDARIES     =   .59374E+12
      MASS OUT BOUNDARIES    =  -.17061E-02
      MASS PUMPED IN         =   .00000E+00
      MASS PUMPED OUT        =  -.13210E+12
      MASS LOST BY DECAY     =   .00000E+00
```

```
        MASS ADSORBED ON SOLIDS=    .00000E+00
        INITIAL MASS ADSORBED  =    .00000E+00
        INFLOW MINUS OUTFLOW   =    .46164E+12
        INITIAL MASS DISSOLVED =    .00000E+00
        PRESENT MASS DISSOLVED =    .46524E+12
        CHANGE MASS DISSOLVED  =    .46524E+12
        CHANGE TOTL.MASS STORED=    .46524E+12
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL  =   -.35946E+10
        ERROR  (AS PERCENT)    =   -.60541E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =      1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
   CHEM.TIME(SECONDS) =    .84229E+08
   CHEM.TIME(DAYS)    =    .97487E+03
       TIME(YEARS)    =    .10000E+02
   CHEM.TIME(YEARS)   =    .26690E+01
  NO. MOVES COMPLETED =    600

208772135721357213562134721349213572136521377213762133 8  503   25    0    0    0    0    0    0    0
204042112921110210822102321051210262107821139211212099 9 3790  165    4    0    0    0    0    0    0
183541980919780198361950719493197351983420092198571985 9 8301  282    8    0    0    0    0    0    0
143001634615951161651549016022165441687417327169501703 5 9417  160    9    0    0    0    0    0    0
 7247 8902 8262 8819 7277 938611145104121312010459113826472  111   13    0    0    0    0    0    0    0
 1985 2518 2292 2890 2228 3818 4846 3984 6643 4426 3697 2620  349   22    1    0    0    0    0    0    0
  353  505  323  612  456 1088 2167 1362 2525 1889 1107  987  354   42    3    0    0    0    0    0    0
   60  112   59  116   93  206  571  407  564  700  544  458  216   36    2    0    0    0    0    0    0
    8   17   10   16   21   29  111  120  144  228  184  163  109   28    2    0    0    0    0    0    0
    1    2    2    2    3    6   23   32   43   63   63   58   40   14    2    0    0    0    0    0    0
    0    0    0    0    1    2    5    8   10   18   20   20   13    5    1    0    0    0    0    0    0
    0    0    0    0    0    0    1    2    3    4    6    5    4    2    1    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    1    1    1    1    1    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =      1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
   CHEM.TIME(SECONDS) =    .84229E+08
   CHEM.TIME(DAYS)    =    .97487E+03
       TIME(YEARS)    =    .10000E+02
   CHEM.TIME(YEARS)   =    .26690E+01
  NO. MOVES COMPLETED =    600

208772135721357213562134721349213572136521377213762133 8  503   25    0    0    0    0    0    0    0
204042112921110210822102321051210262107821139211212099 9 3790  165    4    0    0    0    0    0    0
183541980919780198361950719493197351983420092198571985 9 8301  282    8    0    0    0    0    0    0
143001634615951161651549016022165441687417327169501703 5 9417  160    9    0    0    0    0    0    0
 7247 8902 8262 8819 7277 938611145104121312010459113826472  111   13    0    0    0    0    0    0    0
 1985 2518 2292 2890 2228 3818 4846 3984 6643 4426 3697 2620  349   22    1    0    0    0    0    0    0
```

```
 353  505  323  612  456 1088 2167 1362 2525 1889 1107  987  354   42    3    0    0    0    0    0
  60  112   59  116   93  206  571  407  564  700  544  458  216   36    2    0    0    0    0    0
   8   17   10   16   21   29  111  120  144  228  184  163  109   28    2    0    0    0    0    0
   1    2    2    2    3    6   23   32   43   63   63   58   40   14    2    0    0    0    0    0
   0    0    0    0    1    2    5    8   10   18   20   20   13    5    1    0    0    0    0    0
   0    0    0    0    0    0    1    2    3    4    6    5    4    2    1    0    0    0    0    0
   0    0    0    0    0    0    0    0    1    1    1    1    1    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES      =    .71249E+12
        MASS OUT BOUNDARIES     =   -.60850E-01
        MASS PUMPED IN          =    .00000E+00
        MASS PUMPED OUT         =   -.16550E+12
        MASS LOST BY DECAY      =    .00000E+00
        MASS ADSORBED ON SOLIDS=     .00000E+00
        INITIAL MASS ADSORBED   =    .00000E+00
        INFLOW MINUS OUTFLOW    =    .54699E+12
        INITIAL MASS DISSOLVED  =    .00000E+00
        PRESENT MASS DISSOLVED  =    .55793E+12
        CHANGE MASS DISSOLVED   =    .55793E+12
        CHANGE TOTL.MASS STORED=     .55793E+12
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   -.10942E+11
        ERROR  (AS PERCENT)     =   -.15357E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =      1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .98267E+08
   CHEM.TIME(DAYS)    =    .11373E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .31139E+01
  NO. MOVES COMPLETED =    700

211472143421433214312142421425214292143421441214402140 5 486   26    1    0    0    0    0    0    0
207862128121268212522119321195211982123921279212722115 7 2500  105   6    0    0    0    0    0    0
196202059920537205542031020313204172050120657206032053 5 6721  327   10   0    0    0    0    0    0
168311837118172182781778217932184051843918953186631860 5 9339  284   11   1    0    0    0    0    0
114751317812879130811333913291147391503516474154351474 2 8314  237   24   2    0    0    0    0    0
 4981 6527 6272 6752 4903 7590 9936 778611201 8707 8343 6411 1058  65    5    0    0    0    0    0
 1433 1452 1067 1560 1333 2427 4735 3400 5734 4115 3858 2494 1240  95    18   0    0    0    0    0
  352  384  238  406  330  633 2121 1141 1463 1859 1673 1375  819  102   24   1    0    0    0    0
   64   74   44   73   59  133  475  439  483  718  660  600  410   96    15   1    0    0    0    0
    9    9    7   12   23   30  123  140  161  224  238  219  167   67    11   2    0    0    0    0
    1    2    1    2    3    8   24   32   43   59   91   82   64   28    7    1    0    0    0    0
    0    0    0    0    0    1    4    5   11   18   26   24   18    8    3    1    0    0    0    0
    0    0    0    0    0    0    1    1    4    5    5    5    5    3    1    0    0    0    0    0
    0    0    0    0    0    0    0    0    1    1    1    1    1    1    1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
```

```
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .98267E+08
   CHEM.TIME(DAYS)    =   .11373E+04
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .31139E+01
  NO. MOVES COMPLETED =   700

211472143421433214312142421425214292143421441214402140 5  486   26    1    0    0    0    0    0    0
207862128121268212522119321195211982139212792127221157 2500  105    6    0    0    0    0    0    0
196202059920537205542031020313204172050120657206032053 5 6721  327   10    0    0    0    0    0    0
168311837118172182781778217932184051843918953186631860 5 9339  284   11    1    0    0    0    0    0
114751317812879130811333913291147391503516474154351474 2 8314  237   24    2    0    0    0    0    0
 4981 6527 6272 6752 4903 7590 9936 778611201 8707 8343 6411 1058   65    5    0    0    0    0    0    0
 1433 1452 1067 1560 1333 2427 4735 3400 5734 4115 3858 2494 1240   95   18    0    0    0    0    0    0
  352  384  238  406  330  633 2121 1141 1463 1859 1673 1375  819  102   24    1    0    0    0    0    0
   64   74   44   73   59  133  475  439  483  718  660  600  410   96   15    1    0    0    0    0    0
    9    9    7   12   23   30  123  140  161  224  238  219  167   67   11    2    0    0    0    0    0
    1    2    1    2    3    8   24   32   43   59   91   82   64   28    7    1    0    0    0    0    0
    0    0    0    0    0    1    4    5   11   18   26   24   18    8    3    1    0    0    0    0    0
    0    0    0    0    0    0    1    1    4    5    5    5    5    3    1    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    1    1    1    1    1    1    1    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES      =    .83124E+12
       MASS OUT BOUNDARIES     =   -.69488E+00
       MASS PUMPED IN          =    .00000E+00
       MASS PUMPED OUT         =   -.19909E+12
       MASS LOST BY DECAY      =    .00000E+00
       MASS ADSORBED ON SOLIDS =    .00000E+00
       INITIAL MASS ADSORBED   =    .00000E+00
       INFLOW MINUS OUTFLOW    =    .63215E+12
       INITIAL MASS DISSOLVED  =    .00000E+00
       PRESENT MASS DISSOLVED  =    .64341E+12
       CHANGE MASS DISSOLVED   =    .64341E+12
       CHANGE TOTL.MASS STORED =    .64341E+12
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL   =   -.11260E+11
       ERROR  (AS PERCENT)     =   -.13546E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL. LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
```

```
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .11231E+09
   CHEM.TIME(DAYS)    =    .12998E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .35587E+01
  NO. MOVES COMPLETED =    800

213002146921468214672146221462214652146821473214712143 8  395   30    1    0    0    0    0    0    0
211772142621421214152139221385213942140021413214062131 3  3496  231   9    0    0    0    0    0    0
205292112321092210612094720913209542100121073211052095 3  9982  428   18   1    0    0    0    0    0
189422010120010200211924619630197872003920169201932016710762  348   20   2    0    0    0    0    0
155291720915399164171535816328172211726818318175411753811345  702   124  6    0    0    0    0    0
 942810945 883410312 7428109421296812348155931211011193 8274 2963  147  16   1    0    0    0    0    0
 2646 3487 2214 3486 2537 4403 8279 5819 9504 7532 5884 4227 2322  197  24   2    0    0    0    0    0
  699 1055  554 1010  752 1472 3753 2879 2951 3730 3199 2488 1801  435  46   2    0    0    0    0    0
  140  187  117  187  219  289 1126 1087 1169 1487 1496 1162  968  405  55   4    0    0    0    0    0
   23   32   26   33   51   89  321  397  438  578  639  535  440  267  58   5    0    0    0    0    0
    4    6    5    8   11   24   88  112  139  206  272  231  207  112  30   5    1    0    0    0    0
    1    1    1    1    2    5   22   22   33   55   84   74   81   46  14   4    1    0    0    0    0
    0    0    0    0    0    1    3    6   11   19   20   19   23   14   7   3    1    0    0    0    0
    0    0    0    0    0    0    1    1    2    4    4    5    6    5   3   2    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    1    1    1    1   1   1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .11231E+09
   CHEM.TIME(DAYS)    =    .12998E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .35587E+01
  NO. MOVES COMPLETED =    800

213002146921468214672146221462214652146821473214712143 8  395   30    1    0    0    0    0    0    0
211772142621421214152139221385213942140021413214062131 3  3496  231   9    0    0    0    0    0    0
205292112321092210612094720913209542100121073211052095 3  9982  428   18   1    0    0    0    0    0
189422010120010200211924619630197872003920169201932016710762  348   20   2    0    0    0    0    0
155291720915399164171535816328172211726818318175411753811345  702   124  6    0    0    0    0    0
 942810945 883410312 7428109421296812348155931211011193 8274 2963  147  16   1    0    0    0    0    0
 2646 3487 2214 3486 2537 4403 8279 5819 9504 7532 5884 4227 2322  197  24   2    0    0    0    0    0
  699 1055  554 1010  752 1472 3753 2879 2951 3730 3199 2488 1801  435  46   2    0    0    0    0    0
  140  187  117  187  219  289 1126 1087 1169 1487 1496 1162  968  405  55   4    0    0    0    0    0
   23   32   26   33   51   89  321  397  438  578  639  535  440  267  58   5    0    0    0    0    0
    4    6    5    8   11   24   88  112  139  206  272  231  207  112  30   5    1    0    0    0    0
    1    1    1    1    2    5   22   22   33   55   84   74   81   46  14   4    1    0    0    0    0
    0    0    0    0    0    1    3    6   11   19   20   19   23   14   7   3    1    0    0    0    0
    0    0    0    0    0    0    1    1    2    4    4    5    6    5   3   2    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    1    1    1    1   1   1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0   0   0    0    0    0    0    0

CHEMICAL MASS BALANCE
```

```
        MASS IN BOUNDARIES      =    .94999E+12
        MASS OUT BOUNDARIES     =   -.69061E+01
        MASS PUMPED IN          =    .00000E+00
        MASS PUMPED OUT         =   -.23275E+12
        MASS LOST BY DECAY      =    .00000E+00
        MASS ADSORBED ON SOLIDS=     .00000E+00
        INITIAL MASS ADSORBED   =    .00000E+00
        INFLOW MINUS OUTFLOW    =    .71725E+12
        INITIAL MASS DISSOLVED  =    .00000E+00
        PRESENT MASS DISSOLVED  =    .72810E+12
        CHANGE MASS DISSOLVED   =    .72810E+12
        CHANGE TOTL.MASS STORED=     .72810E+12
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   -.10848E+11
        ERROR  (AS PERCENT)     =   -.11419E+01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASEG

CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
   CHEM.TIME(SECONDS) =    .12634E+09
   CHEM.TIME(DAYS)    =    .14623E+04
       TIME(YEARS)    =    .10000E+02
   CHEM.TIME(YEARS)   =    .40036E+01
  NO. MOVES COMPLETED =    900

213872148521485214842148121481214822148421487214862145 4  499   34    1    0    0    0    0    0    0
212862145521451214462142721425214342144621456214502137 9 2842  191    9    0    0    0    0    0    0
209092129921282212822116921162211982123921317212692116 3 8945  439   23    1    0    0    0    0    0
198922067920427205912021220202204052050820817206292063 5 9726  466   32    2    0    0    0    0    0
170331869917721808017251179261908918947197211920018921110 53 1972  167   13    1    0    0    0    0    0
113461420913276127411182013924165031586916799161271382310 538 4461  384   37    4    0    0    0    0    0
 5433 8354 5614 7703 5885 849812517 97031170411005 8427 7493 4736  594   81    5    0    0    0    0    0
 1860 2582 1698 2293 1846 2432 5962 4851 5470 6937 5440 4546 3275 1125  105   10    0    0    0    0    0
  501  614  427  561  525  705 1878 2564 2283 2908 2892 2646 1946  961  167   19    1    0    0    0    0
  104  124  105  106  142  222  557 1057  860 1137 1346 1302 1135  747  151   27    1    0    0    0    0
   14   17   21   25   35   64  185  308  337  432  607  607  553  350  117   17    3    0    0    0    0
    1    3    4    5    9   17   55   84  113  158  230  255  206  145   59   15    5    1    0    0    0
    0    0    1    1    1    3   10   22   31   58   53   76   66   58   33   12    4    1    0    0    0
    0    0    0    0    0    1    2    3    8    9   14   19   23   20   13    6    2    1    0    0    0
    0    0    0    0    0    0    0    1    1    2    4    5    7    6    5    3    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    1    1    2    2    2    1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =    .31558E+09
       TIME(SECONDS)  =    .31558E+09
   CHEM.TIME(SECONDS) =    .12634E+09
   CHEM.TIME(DAYS)    =    .14623E+04
       TIME(YEARS)    =    .10000E+02
   CHEM.TIME(YEARS)   =    .40036E+01
  NO. MOVES COMPLETED =    900
```

```
213872148521485214842148121481214822148421487214862145 4   499   34    1    0    0    0    0    0    0
212862145521451214462142721425214342144621456214502137 9  2842   191   9    0    0    0    0    0    0
209092129921282212822116921162211982123921317212692116 3  8945   439   23   1    0    0    0    0    0
198922067920427205912021220202204052050820817206292063 5  9726   466   32   2    0    0    0    0    0
170331869917721180801725117926190891894719721192001892 111053 1972   167   13   1    0    0    0    0
113461420913276127411182013924165031586916799161271382 310538 4461   384   37   4    0    0    0    0
 5433  8354  5614  7703  5885  849812517  97031170411005  8427  7493  4736   594   81   5    0    0    0    0
 1860  2582  1698  2293  1846  2432  5962  4851  5470  6937  5440  4546  3275  1125   105   10    0    0    0    0
  501   614   427   561   525   705  1878  2564  2283  2908  2892  2646  1946   961   167   19    1    0    0    0
  104   124   105   106   142   222   557  1057   860  1137  1346  1302  1135   747   151   27    1    0    0    0
   14    17    21    25    35    64   185   308   337   432   607   607   553   350   117   17    3    0    0    0
    1     3     4     5     9    17    55    84   113   158   230   255   206   145    59   15    5    1    0    0
    0     0     1     1     1     3    10    22    31    58    53    76    66    58    33   12    4    1    0    0
    0     0     0     0     0     1     2     3     8     9    14    19    23    20    13    6    2    1    0    0
    0     0     0     0     0     0     0     1     1     2     4     5     7     6     5    3    1    0    0    0
    0     0     0     0     0     0     0     0     0     1     1     1     2     2     2    1    0    0    0    0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0    0    0    0    0    0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0    0    0    0    0    0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0    0    0    0    0    0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0    0    0    0    0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES      =    .10687E+13
       MASS OUT BOUNDARIES     =   -.52853E+02
       MASS PUMPED IN          =    .00000E+00
       MASS PUMPED OUT         =   -.26645E+12
       MASS LOST BY DECAY      =    .00000E+00
       MASS ADSORBED ON SOLIDS=     .00000E+00
       INITIAL MASS ADSORBED   =    .00000E+00
       INFLOW MINUS OUTFLOW    =    .80230E+12
       INITIAL MASS DISSOLVED  =    .00000E+00
       PRESENT MASS DISSOLVED  =    .80950E+12
       CHANGE MASS DISSOLVED   =    .80950E+12
       CHANGE TOTL.MASS STORED=     .80950E+12
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL   =   -.71985E+10
       ERROR  (AS PERCENT)     =   -.67355E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6
```

CONCENTRATION

```
 NUMBER OF TIME STEPS =      1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
  CHEM.TIME(SECONDS)  =   .14038E+09
  CHEM.TIME(DAYS)     =   .16248E+04
       TIME(YEARS)    =   .10000E+02
  CHEM.TIME(YEARS)    =   .44484E+01
 NO. MOVES COMPLETED =  1000

214362149321493214932149121490214912149221494214932146 2  536   39    2    0    0    0    0    0    0
213772147821476214752146421464214662147121478214752139 1 3974  256   12    0    0    0    0    0    0
211462139321381213722132021305213482136021400213762124 3 9286  529   27    2    0    0    0    0    0
204832103821025209362081820773209642101521128210582096010679   592   42    4    0    0    0    0    0
186221974519622195781906419538198581997420563200242008110930 1514  159   34    2    0    0    0    0    0
151801667315710165261545916529185391742219167178211673612783 4410  813   92    8    0    0    0    0    0
 950810748 918010254 834812073146951239714811146111137 5 9710 6026 1614  201   15    1    0    0    0    0
 3160 5305 2871 4371 3738 4551 8922 8047 706810049 8459 6355 5023 2606  334   28    2    0    0    0    0
  939 1667 1062 1439 1387 1633 3312 4445 3674 5172 4872 4107 3255 2029  408   50    6    0    0    0    0
  221  406  305  300  339  507 1198 1783 1746 2318 2506 2315 1878 1502  485   59    6    0    0    0    0
   45   59   69   67   91  143  346  659  736  920 1169 1334 1094  900  334   56    9    2    0    0    0
    7    9   14   15   25   42  110  241  297  365  530  590  572  417  209   61   22    3    0    0    0
    1    1    2    3    5    9   27   66   92  127  166  178  184  156  112   51   19    3    0    0    0
    0    0    0    1    1    2    7   15   22   26   38   56   64   62   49   26   10    2    0    0    0
    0    0    0    0    0    0    1    3    4    7   10   16   24   23   19   12    5    1    0    0    0
    0    0    0    0    0    0    0    1    1    1    3    5    8    7    7    5    2    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    1    1    2    2    2    1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    1    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
```

CHANGE IN CONCENTRATION

```
 NUMBER OF TIME STEPS =      1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
  CHEM.TIME(SECONDS)  =   .14038E+09
  CHEM.TIME(DAYS)     =   .16248E+04
       TIME(YEARS)    =   .10000E+02
  CHEM.TIME(YEARS)    =   .44484E+01
 NO. MOVES COMPLETED =  1000

214362149321493214932149121490214912149221494214932146 2  536   39    2    0    0    0    0    0    0
213772147821476214752146421464214662147121478214752139 1 3974  256   12    0    0    0    0    0    0
211462139321381213722132021305213482136021400213762124 3 9286  529   27    2    0    0    0    0    0
204832103821025209362081820773209642101521128210582096010679   592   42    4    0    0    0    0    0
186221974519622195781906419538198581997420563200242008110930 1514  159   34    2    0    0    0    0    0
151801667315710165261545916529185391742219167178211673612783 4410  813   92    8    0    0    0    0    0
 950810748 918010254 834812073146951239714811146111137 5 9710 6026 1614  201   15    1    0    0    0    0
 3160 5305 2871 4371 3738 4551 8922 8047 706810049 8459 6355 5023 2606  334   28    2    0    0    0    0
  939 1667 1062 1439 1387 1633 3312 4445 3674 5172 4872 4107 3255 2029  408   50    6    0    0    0    0
  221  406  305  300  339  507 1198 1783 1746 2318 2506 2315 1878 1502  485   59    6    0    0    0    0
   45   59   69   67   91  143  346  659  736  920 1169 1334 1094  900  334   56    9    2    0    0    0
    7    9   14   15   25   42  110  241  297  365  530  590  572  417  209   61   22    3    0    0    0
    1    1    2    3    5    9   27   66   92  127  166  178  184  156  112   51   19    3    0    0    0
    0    0    0    1    1    2    7   15   22   26   38   56   64   62   49   26   10    2    0    0    0
    0    0    0    0    0    0    1    3    4    7   10   16   24   23   19   12    5    1    0    0    0
    0    0    0    0    0    0    0    1    1    1    3    5    8    7    7    5    2    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    1    1    2    2    2    1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    1    0    0    0    0    0    0    0    0
```

```
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES      =   .11875E+13
       MASS OUT BOUNDARIES     =  -.25662E+03
       MASS PUMPED IN          =   .00000E+00
       MASS PUMPED OUT         =  -.30019E+12
       MASS LOST BY DECAY      =   .00000E+00
       MASS ADSORBED ON SOLIDS=    .00000E+00
       INITIAL MASS ADSORBED   =   .00000E+00
       INFLOW MINUS OUTFLOW    =   .88730E+12
       INITIAL MASS DISSOLVED  =   .00000E+00
       PRESENT MASS DISSOLVED  =   .89272E+12
       CHANGE MASS DISSOLVED   =   .89272E+12
       CHANGE TOTL.MASS STORED=    .89272E+12
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL   =  -.54185E+10
       ERROR  (AS PERCENT)     =  -.45630E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .15442E+09
   CHEM.TIME(DAYS)    =   .17873E+04
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .48933E+01
  NO. MOVES COMPLETED =  1100

21464214972149721496214952149521496214962149721497214966  554   40    2    0    0    0    0    0    0
21436214912148921488214812148021484214852149021488214056 3338  218   14    0    0    0    0    0    0
21312214532144721442214102140621423214272144821442213046 9625  559   34    2    0    0    0    0    0
20893212572123121206211162111421185212312128921282211401294 6  734   56    9    0    0    0    0    0
19662204472036520292199972017820587205492090620626205781253 0 1367  225   72    3    0    0    0    0
17262184471785118244172581817319485190921969818855180171536 5 5101 1118  172   17    1    0    0    0
13118145201223114081128311420317037157311561116536142321217 3 7222 2864  448   41    2    0    0    0
 6992 9405 6044 8213 6309 787412536113559568126121096191229 6943 4128  806   85    4    0    0    0
 2417 3187 2100 2906 2494 2494 5561 7374 5695 6836 7651 6426 5052 3164 1156  169   11    1    0    0
  680  764  607  733  788  925 1956 3350 3333 3417 4555 3732 3410 2589 1314  169   16    1    0    0
  147  162  176  196  251  335  694 1358 1597 1654 2103 2334 2099 1742  955  183   32    5    1    0
   17   30   40   49   62  101  206  458  654  686 1003 1218 1125  928  580  201   55   12    1    0
    2    5    8   12   14   26   60  146  218  282  338  451  444  385  322  175   62   13    1    0
    0    0    1    2    3    5   21   40   53   63   92  132  170  159  152   89   36    9    0    0
    0    0    0    0    0    1    3    7   10   20   28   42   61   65   56   45   20    4    0    0
    0    0    0    0    0    0    1    1    2    5    8   11   17   22   21   18    7    1    0    0
    0    0    0    0    0    0    0    0    1    1    2    3    5    6    6    4    1    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    1    2    1    1    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .15442E+09
   CHEM.TIME(DAYS)    =   .17873E+04
```

```
        TIME(YEARS)     =    .10000E+02
   CHEM.TIME(YEARS)     =    .48933E+01
  NO. MOVES COMPLETED =  1100

21464214972149721496214952149521496214962149721497214966  554   40    2    0    0    0    0    0    0
21436214912148921488214812148021484214852149021488214051 3338  218   14    0    0    0    0    0    0
21312214532144721442214102140621423214272144821442213041 9625  559   34    2    0    0    0    0    0
20893212572123121206211162111421185212312128921282211401294 6  734   56    9    0    0    0    0    0
19662204472036520292199972017820587205492090620626205781253 0 1367  225   72    3    0    0    0    0
17262184471785118244172581817319485190921969818855180171536 5 5101 1118  172   17    1    0    0    0
13118145201223114081128311420317037157311561116536142321217 3 7222 2864  448   41    2    0    0    0
 6992 9405 6044 8213 6309 78741253611355 956812612109619122 6943 4128  806   85    4    0    0    0
 2417 3187 2100 2906 2494 2494 5561 7374 5695 6836 7651 6426 5052 3164 1156  169   11    1    0    0
  680  764  607  733  788  925 1956 3350 3333 3417 4555 3732 3410 2589 1314  169   16    1    0    0
  147  162  176  196  251  335  694 1358 1597 1654 2103 2334 2099 1742  955  183   32    5    1    0
   17   30   40   49   62  101  206  458  654  686 1003 1218 1125  928  580  201   55   12    1    0
    2    5    8   12   14   26   60  146  218  282  338  451  444  385  322  175   62   13    1    0
    0    0    1    2    3    5   21   40   53   63   92  132  170  159  152   89   36    9    0    0
    0    0    0    0    0    1    3    7   10   20   28   42   61   65   56   45   20    4    0    0
    0    0    0    0    0    0    1    1    2    5    8   11   17   22   21   18    7    1    0    0
    0    0    0    0    0    0    0    0    1    1    2    3    5    6    6    4    1    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    1    2    1    1    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES      =    .13062E+13
        MASS OUT BOUNDARIES     =   -.14256E+04
        MASS PUMPED IN          =    .00000E+00
        MASS PUMPED OUT         =   -.33397E+12
        MASS LOST BY DECAY      =    .00000E+00
        MASS ADSORBED ON SOLIDS =    .00000E+00
        INITIAL MASS ADSORBED   =    .00000E+00
        INFLOW MINUS OUTFLOW    =    .97225E+12
        INITIAL MASS DISSOLVED  =    .00000E+00
        PRESENT MASS DISSOLVED  =    .98187E+12
        CHANGE MASS DISSOLVED   =    .98187E+12
        CHANGE TOTL.MASS STORED =    .98187E+12
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   -.96185E+10
        ERROR  (AS PERCENT)     =   -.73636E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =      1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .16846E+09
   CHEM.TIME(DAYS)    =    .19498E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .53381E+01
  NO. MOVES COMPLETED =  1200

21480214982149821498214982149721498214982149821498214968  527   42    2    0    0    0    0    0    0
21462214952149521494214922149121491214922149521494214096 3056  237   17    1    0    0    0    0    0
21387214742146921469214532143921450214572147421467213306 9506  577   37    3    0    0    0    0    0
21169213822136321346212832125821338213442140221382212551244 5  732   71   15    1    0    0    0    0
20516210222096420915206492076821060210002121421094209181466 1 1507  422  101    7    0    0    0    0
```

```
189281984219577195731868319487202782011320488199531930615642 5571 1436  371   29    1    0    0    0
157891718314923167061507116843183181779717626179121621014233102493204  781   79    4    0    0    0
101341250995341128600940010977141841399712181137341363111583 8963 5061 1480  172   10    1    0    0
 3588 6345 3834 4202 4637 4801 6917 9840 8072 8408 9784 8679 7064 4710 2225  354   35    1    0    0
 1194 1993 1612 1189 1735 1805 2661 4958 5000 4772 5884 5965 4980 4079 2200  343   38    3    1    0
  324  414  474  424  511  700 1076 1975 2508 2511 3279 3874 3369 2865 1754  428   89   11    2    0
   67   81   94  126  145  194  335  746 1173 1309 1752 2144 1934 1579 1293  584  175   35    5    0
    9   12   18   32   37   58  109  280  458  573  631  849  834  793  680  441  149   41    3    0
    1    2    3    7    9   16   44   88  125  146  193  287  351  388  331  272  111   30    2    0
    0    0    1    1    2    3    9   17   27   42   74  114  133  153  148  113   65   19    0    0
    0    0    0    0    0    0    1    4    7   12   21   31   43   53   58   49   24    4    0    0
    0    0    0    0    0    0    0    1    2    3    6   10   15   17   17   13    4    0    0    0
    0    0    0    0    0    0    0    0    0    1    2    3    4    3    3    2    1    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .16846E+09
   CHEM.TIME(DAYS)    =   .19498E+04
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .53381E+01
  NO. MOVES COMPLETED =  1200

214802149821498214982149821497214982149821498214982149821468  527   42    2    0    0    0    0    0    0
214622149521495214942149221491214912149221495214942140930561  237   17    1    0    0    0    0    0    0
213872147421469214692145321439214502145721474214672133095061  577   37    3    0    0    0    0    0    0
211692138221363213462128321258213382134421402213822125512445  732   71   15    1    0    0    0    0    0
205162102220964209152064920768210602100021214210942091814661 1507  422  101    7    0    0    0    0    0
189281984219577195731868319487202782011320488199531930615642 5571 1436  371   29    1    0    0    0    0
157891718314923167061507116843183181779717626179121621014233102493204  781   79    4    0    0    0    0
101341250995341128600940010977141841399712181137341363111583 8963 5061 1480  172   10    1    0    0    0
 3588 6345 3834 4202 4637 4801 6917 9840 8072 8408 9784 8679 7064 4710 2225  354   35    1    0    0    0
 1194 1993 1612 1189 1735 1805 2661 4958 5000 4772 5884 5965 4980 4079 2200  343   38    3    1    0    0
  324  414  474  424  511  700 1076 1975 2508 2511 3279 3874 3369 2865 1754  428   89   11    2    0    0
   67   81   94  126  145  194  335  746 1173 1309 1752 2144 1934 1579 1293  584  175   35    5    0    0
    9   12   18   32   37   58  109  280  458  573  631  849  834  793  680  441  149   41    3    0    0
    1    2    3    7    9   16   44   88  125  146  193  287  351  388  331  272  111   30    2    0    0
    0    0    1    1    2    3    9   17   27   42   74  114  133  153  148  113   65   19    0    0    0
    0    0    0    0    0    0    1    4    7   12   21   31   43   53   58   49   24    4    0    0    0
    0    0    0    0    0    0    0    1    2    3    6   10   15   17   17   13    4    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    2    3    4    3    3    2    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1    0    0    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES      =   .14250E+13
       MASS OUT BOUNDARIES     =  -.53557E+04
       MASS PUMPED IN          =   .00000E+00
       MASS PUMPED OUT         =  -.36785E+12
       MASS LOST BY DECAY      =   .00000E+00
       MASS ADSORBED ON SOLIDS =   .00000E+00
       INITIAL MASS ADSORBED   =   .00000E+00
       INFLOW MINUS OUTFLOW    =   .10571E+13
       INITIAL MASS DISSOLVED  =   .00000E+00
       PRESENT MASS DISSOLVED  =   .10661E+13
       CHANGE MASS DISSOLVED   =   .10661E+13
```

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      CHANGE TOTL.MASS STORED=    .10661E+13
    COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
      MASS BALANCE RESIDUAL  =  -.89482E+10
      ERROR  (AS PERCENT)    =  -.62796E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =  .31558E+09
       TIME(SECONDS)  =  .31558E+09
   CHEM.TIME(SECONDS) =  .18250E+09
   CHEM.TIME(DAYS)    =  .21122E+04
       TIME(YEARS)    =  .10000E+02
   CHEM.TIME(YEARS)   =  .57830E+01
  NO. MOVES COMPLETED =  1300

21488214992149921499214992149921499214992149921499214992149921468  569   43    2    0    0    0    0    0    0
21477214972149721497214952149421495214952149721497214972149721411 3970  219   17    0    0    0    0    0    0
21435214872148521483214732147121477214802148621484213491976O  630   45    4    0    0    0    0    0    0
21308214412143221419213832137221407214192144221436212981276Z  772   80   20    2    0    0    0    0    0
20931212462121021166209992105221234211922133921272210761404S 1521  448  132   22    1    0    0    0    0
20036205322025620240197232020320788206342084120689200291736Y 5322 1598  525   64    3    0    0    0    0
17550191131732718223170431829419783191571864518860174491606610549 3997 1035  163   11    0    0    0    0
13127160981268214106130131313416344160411447015545148331372310848 5565 2115  464   22    1    0    0    0
 7225 9615 7375 7655 7572 6376101151137210614104951147311339 9226 6580 3345  704   60    3    0    0
 2800 3675 2892 2460 3143 2790 4166 6518 7338 63G6 7411 8041 7031 5780 3287  899   99   10    1    0
  798  939  838  860 1093 1089 1944 3082 3931 3724 4635 5459 5062 4208 2900 1182  267   31    6    1
  128  213  218  250  337  399  664 1290 1827 1992 2649 3201 3251 2665 2335 1314  473  102   14    1
   22   36   46   67   85  114  222  505  819  955 1130 1374 1572 1420 1185 1007  473  120   10    1
    3    5    9   15   21   36   79  176  259  309  362  526  665  689  670  516  314   88    8    1
    0    1    1    3    4    8   16   38   66   98  140  206  281  296  320  258  144   28    2    0
    0    0    0    0    1    1    3    9   19   30   43   69  100  117  123  123   58   12    0    0
    0    0    0    0    0    0    1    2    4    8   13   23   40   40   40   28   13    1    0    0
    0    0    0    0    0    0    0    1    1    2    3    6   11   13    7    5    2    0    0    0
    0    0    0    0    0    0    0    0    0    1    1    2    1    3    2    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    0    0    1    1    0    0    0    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =  .31558E+09
       TIME(SECONDS)  =  .31558E+09
   CHEM.TIME(SECONDS) =  .18250E+09
   CHEM.TIME(DAYS)    =  .21122E+04
       TIME(YEARS)    =  .10000E+02
   CHEM.TIME(YEARS)   =  .57830E+01
  NO. MOVES COMPLETED =  1300

21488214992149921499214992149921499214992149921499214992149921468  569   43    2    0    0    0    0    0    0
21477214972149721497214952149421495214952149721497214972149721411 3970  219   17    0    0    0    0    0    0
21435214872148521483214732147121477214802148621484213491976O  630   45    4    0    0    0    0    0    0
21308214412143221419213832137221407214192144221436212981276Z  772   80   20    2    0    0    0    0    0
20931212462121021166209992105221234211922133921272210761404S 1521  448  132   22    1    0    0    0    0
20036205322025620240197232020320788206342084120689200291736Y 5322 1598  525   64    3    0    0    0    0
17550191131732718223170431829419783191571864518860174491606610549 3997 1035  163   11    0    0    0    0
13127160981268214106130131313416344160411447015545148331372310848 5565 2115  464   22    1    0    0    0
 7225 9615 7375 7655 7572 6376101151137210614104951147311339 9226 6580 3345  704   60    3    0    0
 2800 3675 2892 2460 3143 2790 4166 6518 7338 63G6 7411 8041 7031 5780 3287  899   99   10    1    0
  798  939  838  860 1093 1089 1944 3082 3931 3724 4635 5459 5062 4208 2900 1182  267   31    6    1
  128  213  218  250  337  399  664 1290 1827 1992 2649 3201 3251 2665 2335 1314  473  102   14    1
```

```
  22   36   46   67   85  114  222  505  819  955 1130 1374 1572 1420 1185 1007  473  120   10    1
   3    5    9   15   21   36   79  176  259  309  362  526  665  689  670  516  314   88    8    1
   0    1    1    3    4    8   16   38   66   98  140  206  281  296  320  258  144   28    2    0
   0    0    0    0    1    1    3    9   19   30   43   69  100  117  123  123   58   12    0    0
   0    0    0    0    0    0    1    2    4    8   13   23   40   40   40   28   13    1    0    0
   0    0    0    0    0    0    0    1    1    2    3    6   11   13    7    5    2    0    0    0
   0    0    0    0    0    0    0    0    0    1    1    2    1    3    2    1    0    0    0    0
   0    0    0    0    0    0    0    0    0    0    0    0    0    1    1    0    0    0    0    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES      =   .15437E+13
        MASS OUT BOUNDARIES     =  -.18664E+05
        MASS PUMPED IN          =   .00000E+00
        MASS PUMPED OUT         =  -.40201E+12
        MASS LOST BY DECAY      =   .00000E+00
        MASS ADSORBED ON SOLIDS =   .00000E+00
        INITIAL MASS ADSORBED   =   .00000E+00
        INFLOW MINUS OUTFLOW    =   .11417E+13
        INITIAL MASS DISSOLVED  =   .00000E+00
        PRESENT MASS DISSOLVED  =   .11525E+13
        CHANGE MASS DISSOLVED   =   .11525E+13
        CHANGE TOTL.MASS STORED =   .11525E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =  -.10856E+11
        ERROR  (AS PERCENT)     =  -.70326E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .19654E+09
   CHEM.TIME(DAYS)    =   .22747E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .62278E+01
  NO. MOVES COMPLETED =  1400

21493215002150021500214992149921499214992150021500214 68  431   38    2    0    0    0    0    0    0
21488214992149921499214972149621497214982149821498214 9821407 1321  165   11    0    0    0    0    0    0
21462214932149121490214832148021485214872149021489213 54 6007  471   29    3    0    0    0    0    0    0
21387214G72145921456214252141921443214492146521462212 9010325  769   82   27    3    0    0    0    0    0
21172213902130721310211482123721328213242139521370211 6813447 2069  540  185   28    3    0    0    0    0
20578210G920607208242025520733210472096720988208322043 716212 7485 1700  508   83    9    0    0    0    0
18785201561868819609185881971020308200451934119195188041681412662 5556 1334  290   15    1    0    0    0
14794180791455915682150821569317818169871651716392161761516912449 8437 3197  741   76    2    0    0    0
 924412826 8799 994510476 872312184134581245012106125701236611101 8554 4161 1389  195    9    1    0    0
 4422 5967 5776 4794 5010 4553 6094 8369 8498 8216 8508 9559 9059 7802 4709 1861  223   45    6    0    0
 1590 1692 1605 1511 1818 1914 2683 4205 5435 5513 5544 6924 6958 5896 4113 2194  555  157   16    1    0
  412  435  454  473  615  736 1076 1951 3166 3107 3451 4778 4775 3914 2992 2377  885  251   32    3    0
   75   91  117  138  189  252  402  801 1461 1469 1505 2255 2580 2364 1992 1610  857  321   23    1    0
   12   16   25   36   53   81  147  296  569  554  629  868 1119 1174 1099  958  663  242   18    0    0
    2    2    5    9   12   18   33   68  145  189  264  372  519  596  626  503  325  105    8    0    0
    0    0    1    1    2    3    7   18   41   61   88  138  189  225  249  218  139   24    1    0    0
    0    0    0    0    0    0    1    4    8   16   25   47   69   81   88   66   30    3    0    0    0
    0    0    0    0    0    0    0    1    2    4    7   13   19   20   16   11    4    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    2    3    4    5    4    3    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    1    1    2    2    1    0    0    0    0    0
CHANGE IN CONCENTRATION
```

```
 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .19654E+09
   CHEM.TIME(DAYS)    =   .22747E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .62278E+01
  NO. MOVES COMPLETED =  1400

214932150021500215002149921499214992149921499215002150021468  431   38    2    0    0    0    0    0    0
214882149921499214992149721496214972149821498214982149821407 1321  165   11    0    0    0    0    0    0
214622149321491214902148321480214852148721490214892135 4 6007  471   29    3    0    0    0    0    0    0
213872146721459214562142521419214432144921465214622129010325  769   82   27    3    0    0    0    0    0
211722139021307213102114821237213282132421395213702116813447 2069  540  185   28    3    0    0    0    0
205782106920607208242025520733210472096720988208322043716212 7485 1700  508   83    9    0    0    0    0
187852015618688196091858819710203082004519341191951880416814126625556 1334  290   15    1    0    0    0
147941807914559156821508215693178181698716517163921617615169124498437 3197  741   76    2    0    0    0
 924412826 8799 994510476 872312184134581245012106125701236611101 8554 4161 1389  195    9    1    0    0
 4422 5967 5776 4794 5010 4553 6094 8369 8498 8216 8508 9559 9059 7802 4709 1861  223   45    6    0    0
 1590 1692 1605 1511 1818 1914 2683 4205 5435 5513 5544 6924 6958 5896 4113 2194  555  157   16    1    0
  412  435  454  473  615  736 1076 1951 3166 3107 3451 4778 4775 3914 2992 2377  885  251   32    3    0
   75   91  117  138  189  252  402  801 1461 1469 1505 2255 2580 2364 1992 1610  857  321   23    1    0
   12   16   25   36   53   81  147  296  569  554  629  868 1119 1174 1099  958  663  242   18    0    0
    2    2    5    9   12   18   33   68  145  189  264  372  519  596  626  503  325  105    8    0    0
    0    0    1    1    2    3    7   18   41   61   88  138  189  225  249  218  139   24    1    0    0
    0    0    0    0    0    0    1    4    8   16   25   47   69   81   88   66   30    3    0    0    0
    0    0    0    0    0    0    0    1    2    4    7   13   19   20   16   11    4    0    0    0    0
    0    0    0    0    0    0    0    0    0    1    2    3    4    5    4    3    1    0    0    0    0
    0    0    0    0    0    0    0    0    0    0    0    1    1    2    2    1    0    0    0    0    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES     =   .16624E+13
        MASS OUT BOUNDARIES    =  -.51095E+05
        MASS PUMPED IN         =   .00000E+00
        MASS PUMPED OUT        =  -.43688E+12
        MASS LOST BY DECAY     =   .00000E+00
        MASS ADSORBED ON SOLIDS=   .00000E+00
        INITIAL MASS ADSORBED  =   .00000E+00
        INFLOW MINUS OUTFLOW   =   .12256E+13
        INITIAL MASS DISSOLVED =   .00000E+00
        PRESENT MASS DISSOLVED =   .12283E+13
        CHANGE MASS DISSOLVED  =   .12283E+13
        CHANGE TOTL.MASS STORED=   .12283E+13
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL  =  -.27415E+10
        ERROR  (AS PERCENT)    =  -.16491E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =  ' .21057E+09
   CHEM.TIME(DAYS)    =   .24372E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .66727E+01
  NO. MOVES COMPLETED =  1500
```

```
21496215002150021500215002150021500215002150021500215002150021469  476   40    2    0    0    0    0    0    0
21493214992149921499214982149821498214992149921499214992149921424 4525  229   14    1    0    0    0    0    0
21478214972149621495214912149021491214922149521494213629295  412   25    4    1    0    0    0    0
21440214852147821477214552145521466214722147921479213381122 3830  114   39    4    0    0    0    0
21313214342138521391213262134621393214042143421412211961425025905851762320000
20892212352109621057208462101521228211752124921050206221708683182167632113600
19810206301996220187195812004120715204052027619907193741753113943481117993788380
17304190661697017981166011727018465184941805417498174321640813959763831217771050400
13014156651269013330127041257113801152211496513918143941418013649986557201614199212000
 7406 9676 7626 6758 6960 6904 7646 9830112021030710564110631114192806064201042549811
 2906 3883 3028 2711 2890 3158 3607 5148 6322 7195 6909 8344 8837 7675 5989 2537 1301 197  37  5
  805  875  947  992 1213 1369 1698 2532 3793 4541 4630 6340 6347 5490 4563 2673 1755 486 112  5
  157  216  267  294  377  501  741 1096 2159 2152 2630 3028 3775 3431 3047 2404 1707 627  75  3
   25   39   58   67   84  124  282  483  882  904 1005 1369 1761 1876 1702 1519 1138 448  46  1
    2    3    6   11   16   34   64  126  236  338  431  583  771  988  870  838  640 238  15  0
    0    0    1    2    3    6   12   28   66  103  139  201  319  425  411  420  242  56  10  0
    0    0    0    0    1    1    3    8   20   33   49   79  133  161  166  129   62   5   1  0
    0    0    0    0    0    0    1    2    6   11   16   29   46   59   39   27   12   1   0  0
    0    0    0    0    0    0    0    0    2    3    3    6   10   14   11    7    4   1   0  0
    0    0    0    0    0    0    0    0    0    1    1    2    3    4    4    3    1   0   0  0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .21057E+09
   CHEM.TIME(DAYS)    =   .24372E+04
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .66727E+01
  NO. MOVES COMPLETED =  1500

21496215002150021500215002150021500215002150021500215002150021469  476   40    2    0    0    0    0    0    0
21493214992149921499214982149821498214992149921499214992149921424 4525  229   14    1    0    0    0    0    0
21478214972149621495214912149021491214922149521494213629295  412   25    4    1    0    0    0    0
21440214852147821477214552145521466214722147921479213381122 3830  114   39    4    0    0    0    0
21313214342138521391213262134621393214042143421412211961425025905851762320000
20892212352109621057208462101521228211752124921050206221708683182167632113600
19810206301996220187195812004120715204052027619907193741753113943481117993788380
17304190661697017981166011727018465184941805417498174321640813959763831217771050400
13014156651269013330127041257113801152211496513918143941418013649986557201614199212000
 7406 9676 7626 6758 6960 6904 7646 9830112021030710564110631114192806064201042549811
 2906 3883 3028 2711 2890 3158 3607 5148 6322 7195 6909 8344 8837 7675 5989 2537 1301 197  37  5
  805  875  947  992 1213 1369 1698 2532 3793 4541 4630 6340 6347 5490 4563 2673 1755 486 112  5
  157  216  267  294  377  501  741 1096 2159 2152 2630 3028 3775 3431 3047 2404 1707 627  75  3
   25   39   58   67   84  124  282  483  882  904 1005 1369 1761 1876 1702 1519 1138 448  46  1
    2    3    6   11   16   34   64  126  236  338  431  583  771  988  870  838  640 238  15  0
    0    0    1    2    3    6   12   28   66  103  139  201  319  425  411  420  242  56  10  0
    0    0    0    0    1    1    3    8   20   33   49   79  133  161  166  129   62   5   1  0
    0    0    0    0    0    0    1    2    6   11   16   29   46   59   39   27   12   1   0  0
    0    0    0    0    0    0    0    0    2    3    3    6   10   14   11    7    4   1   0  0
    0    0    0    0    0    0    0    0    0    1    1    2    3    4    4    3    1   0   0  0

CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES     =   .17812E+13
       MASS OUT BOUNDARIES    =  -.13612E+06
       MASS PUMPED IN         =   .00000E+00
       MASS PUMPED OUT        =  -.47306E+12
       MASS LOST BY DECAY     =   .00000E+00
```

```
        MASS ADSORBED ON SOLIDS=    .00000E+00
        INITIAL MASS ADSORBED  =    .00000E+00
        INFLOW MINUS OUTFLOW   =    .13081E+13
        INITIAL MASS DISSOLVED =    .00000E+00
        PRESENT MASS DISSOLVED =    .13179E+13
        CHANGE MASS DISSOLVED  =    .13179E+13
        CHANGE TOTL.MASS STORED=    .13179E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL  =   -.97916E+10
        ERROR  (AS PERCENT)    =   -.54973E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASEG

CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .22461E+09
   CHEM.TIME(DAYS)    =    .25997E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .71175E+01
  NO. MOVES COMPLETED =  1600

214982150021500215002150021500215002150021500215002150021469  505   38    2    0    0    0    0    0    0
214962150021500214992149921499214992149921499214992149921425 4196  248   16    0    0    0    0    0    0
214892149821498214982149621495214962149621497214972149721355 9507  604   39    4    1    0    0    0    0
214572149021487214852147621474214822148521491214862131l 9756  813   90   32    5    0    0    0    0
213592145221439214242139721401214422144421465214422126414228 2622  598  267   40    2    0    0    0
211012133921215212321105212092134721328213002119720768174498425 2585  769  167   14    0    0    0
204232098320282207412047220G1420936206632061320280197171832313710 5844 1907  412   41    2    0    0
188452003918823194731856618755193081892518969184851799917213151001045 7 3691 1136  155    9    1    0
150371782115780150161442114268149321590315728157421532414999142631078 3 5902 1796  374   26    2    0
 93081274911221 8891 9497 9658 926811994124401196611944123161258611484 7236 2559  625   83   18    3
 4711 5808 6032 4675 4995 5644 4998 7164 8329 8699 9029 982010760 9561 7150 3377 1558  373   86    8
 1844 1565 1961 1792 1922 2353 2453 3365 4835 5797 5805 7159 8273 7260 6003 4147 2143  889  192   14
  275  456  517  559  661  928 1114 1668 2940 3338 3415 4249 4698 4843 4136 3458 2349 1021  184    7
   51   97  117  142  190  257  422  773 1217 1542 1506 1867 2435 2686 2684 2376 1536  759   91    6
    6   12   23   34   44   56  118  216  378  562  665 1009 1161 1481 1485 1328  907  329   26    0
    1    2    4    5    8   12   27   63  133  218  247  328  507  681  692  676  448  129    4    0
    0    0    0    1    2    2    8   21   44   69   91  127  226  274  286  209  110   14    0    0
    0    0    0    0    0    0    1    4   10   19   27   54   64   86   67   46   24    3    0    0
    0    0    0    0    0    0    0    1    3    4    6   14   16   22   21   16    9    1    0    0
    0    0    0    0    0    0    0    0    1    1    2    3    6   10    9    6    3    1    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .22461E+09
   CHEM.TIME(DAYS)    =    .25997E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .71175E+01
  NO. MOVES COMPLETED =  1600

214982150021500215002150021500215002150021500215002150021469  505   38    2    0    0    0    0    0    0
214962150021500214992149921499214992149921499214992149921425 4196  248   16    0    0    0    0    0    0
214892149821498214982149621495214962149621497214972149721355 9507  604   39    4    1    0    0    0    0
214572149021487214852147621474214822148521491214862131l 9756  813   90   32    5    0    0    0    0
213592145221439214242139721401214422144421465214422126414228 2622  598  267   40    2    0    0    0
211012133921215212321105212092134721328213002119720768174498425 2585  769  167   14    0    0    0
```

```
20423209832028220741204722061420936206632061320280197171832313710 5844 1907  412   41    2    0    0
18845200391882319473185661875519308189251896918485179991721315100104573691 1136  155    9    1    0
15037178211578015016144211426814932159031572815742153241499914263107835902 1796  374   26    2    0
 93081274911221 8891 9497 9658 926811994124401196611944123161258611484 7236 2559  625   83   18    3
 4711 5808 6032 4675 4995 5644 4998 7164 8329 8699 9029 982010760 9561 7150 3377 1558  373   86    8
 1844 1565 1961 1792 1922 2353 2453 3365 4635 5797 5805 7159 8273 7260 6003 4147 2143  889  192   14
  275  456  517  559  661  928 1114 1668 2940 3338 3415 4249 4698 4843 4136 3458 2349 1021  184    7
   51   97  117  142  190  257  422  773 1217 1542 1506 1867 2435 2686 2684 2376 1536  759   91    6
    6   12   23   34   44   56  118  216  378  562  665 1009 1161 1481 1485 1328  907  329   26    0
    1    2    4    5    8   12   27   63  133  218  247  328  507  681  692  676  448  129    4    0
    0    0    0    1    2    2    8   21   44   69   91  127  226  274  286  209  110   14    0    0
    0    0    0    0    0    0    1    4   10   19   27   54   64   86   67   46   24    3    0    0
    0    0    0    0    0    0    0    1    3    4    6   14   16   22   21   16    9    1    0    0
    0    0    0    0    0    0    0    0    1    1    2    3    6   10    9    6    3    1    0    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES      =    .18999E+13
        MASS OUT BOUNDARIES     =   -.31730E+06
        MASS PUMPED IN          =    .00000E+00
        MASS PUMPED OUT         =   -.51123E+12
        MASS LOST BY DECAY      =    .00000E+00
        MASS ADSORBED ON SOLIDS=     .00000E+00
        INITIAL MASS ADSORBED   =    .00000E+00
        INFLOW MINUS OUTFLOW    =    .13887E+13
        INITIAL MASS DISSOLVED  =    .00000E+00
        PRESENT MASS DISSOLVED  =    .13986E+13
        CHANGE MASS DISSOLVED   =    .13986E+13
        CHANGE TOTL.MASS STORED=     .13986E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   -.98752E+10
        ERROR  (AS PERCENT)     =   -.51976E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

 CONCENTRATION

  NUMBER OF TIME STEPS =      1
        DELTA T        =    .31558E+09
        TIME(SECONDS)  =    .31558E+09
    CHEM.TIME(SECONDS) =    .23865E+09
    CHEM.TIME(DAYS)    =    .27622E+04
        TIME(YEARS)    =    .10000E+02
    CHEM.TIME(YEARS)   =    .75624E+01
   NO. MOVES COMPLETED =   1700

21499215002150021500215002150021500215002150021500215002150021469  572   42    2    0    0    0    0    0    0
21498215002150021500214992149921499214992149921500214992142644 4442  243   16    0    0    0    0    0    0    0
21493214992149921498214972149721498214982149921498213599 8964  542   42    5    1    0    0    0    0    0
21476214952149321492214862148621490214932149521493213301398669  869  105   41    5    1    0    0    0    0    0
21424214772146721463214372144121465214642147821462212601369223382  737  248   42    2    0    0    0    0    0
21281214072135221365212972131021412213702138121258209771736584333297  986  152    9    0    0    0    0    0    0
20899211842082721039207542086621100208892083020654201331916813713 7405 2517  531   46    2    0    0    0    0    0
19883206001980719974194281902719631119534192611927018841181431548911227 3491 1195  205    8    1    0    0    0    0
17305188351719917511164861543416362170711711117213168791632015232127547077 2444  368   30    5    1    0    0    0    0
12898153421311611823112531117910795129021360614027134561354713763126198238 3372  685  111   27    4    0    0    0    0
 6537 8998 7787 7249 5842 6746 6696 7964 923410455102661095311582111668332 4664 1649  534  105   18    0    0    0    0
 2733 2827 3102 2943 2829 3236 3418 4340 5698 7037 7703 8417 9021 9186 7269 5527 3191 1169  330   27    0    0    0
  798  788  885  956 1084 1417 1610 2329 3377 4600 4433 5513 6117 6062 5676 4461 3158 1389  252   25    0    0    0
  133  180  229  297  406  528  634 1109 1688 2280 2238 2689 3390 3606 3590 3020 2530 1026  154   11    0    0    0
   12   24   56   92  112  132  196  298  546  906 1017 1370 1592 2001 2060 1899 1336  602   34    1    0    0    0
```

```
     1    3   10   14   18   29   50   91  193  373  439  555  727  958 1066 1041  728  205    8    0
     0    0    1    2    3    6   13   27   58  113  154  226  329  445  475  387  190   19    1    0
     0    0    0    0    1    1    4    8   23   40   54   84  136  178  111   85   50    8    0    0
     0    0    0    0    0    0    1    2    6   15   16   22   36   43   38   29   15    2    0    0
     0    0    0    0    0    0    0    0    1    3    5    7   12   18   17   13    7    2    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .23865E+09
   CHEM.TIME(DAYS)    =   .27622E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .75624E+01
  NO. MOVES COMPLETED =  1700

214992150021500215002150021500215002150021500215002150021469  572   42    2    0    0    0    0    0    0
214982150021500215002149921499214992149921500214992142644 243   16    0    0    0    0    0    0    0
214932149921499214982149721497214982149821499214982135989 542   42    5    1    0    0    0    0    0
214762149521493214922148621486214902149321495214932133013986 869  105   41    5    1    0    0    0    0
214242147721467214632143721441214652146421478214622126013692 2338 737  248   42    2    0    0    0    0
212812140721352213652129721310214122137021381212582097717365 8433 3297 986  152   9    0    0    0    0
208992118420827210392075420866211002088920830206542013319168137137405 2517 531  46   2    0    0    0
198832060019807199741942819027196311953419261192701884118143154891122734911195 205  8    1    0
173051883517199175111648615434163621707117111172131687916320152321275470772444 368  30   5    1
128981534213116118231125311179107951290213606140271345613547137631261982387 3372 685  111  27   4
 6537 8998 7787 7249 5842 6746 6696 7964 923410455102661095311582116668332 4664 1649 534  105  18
 2733 2827 3102 2943 2829 3236 3418 4340 5698 7037 7703 8417 9021 9186 7269 5527 3191 1169 330  27
  798  788  885  956 1084 1417 1610 2329 3377 4600 4433 5513 6117 6062 5676 4461 3158 1389 252  25
  133  180  229  297  406  528  634 1109 1688 2280 2238 2689 3390 3606 3590 3020 2530 1026 154  11
   12   24   56   92  112  132  196  298  546  906 1017 1370 1592 2001 2060 1899 1336  602  34   1
    1    3   10   14   18   29   50   91  193  373  439  555  727  958 1066 1041  728  205   8    0
    0    0    1    2    3    6   13   27   58  113  154  226  329  445  475  387  190   19   1    0
    0    0    0    0    1    1    4    8   23   40   54   84  136  178  111   85   50    8   0    0
    0    0    0    0    0    0    1    2    6   15   16   22   36   43   38   29   15    2   0    0
    0    0    0    0    0    0    0    0    1    3    5    7   12   18   17   13    7    2   0    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES      =    .20188E+13
       MASS OUT BOUNDARIES     =   -.69808E+06
       MASS PUMPED IN          =    .00000E+00
       MASS PUMPED OUT         =   -.55148E+12
       MASS LOST BY DECAY      =    .00000E+00
       MASS ADSORBED ON SOLIDS=     .00000E+00
       INITIAL MASS ADSORBED   =    .00000E+00
       INFLOW MINUS OUTFLOW    =    .14673E+13
       INITIAL MASS DISSOLVED  =    .00000E+00
       PRESENT MASS DISSOLVED  =    .14764E+13
       CHANGE MASS DISSOLVED   =    .14764E+13
       CHANGE TOTL.MASS STORED=     .14764E+13
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL   =   -.91069E+10
       ERROR  (AS PERCENT)     =   -.45111E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
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```
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .25269E+09
   CHEM.TIME(DAYS)    =    .29246E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .80072E+01
  NO. MOVES COMPLETED =  1800

214992150021500215002150021500215002150021500215002150021469  547   41    2    0    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921425 4259  286   18    1    0    0    0    0    0
214962149921499214992149921498214982149921499214982135 9309  570   45    6    1    0    0    0    0
214882149821497214962149321491214942149521497214952134912980  815  116   43    6    1    0    0    0    0
214592148921484214812146221465214812148021488214752131615550 2076  636  345   44    3    0    0    0    0
213832145721415214202133621388214372142421414213422103618893 7205 2991 1148  151   15    0    0    0    0
211022132521128212252101421063212272113521044209262048419494139 46 7665 2835  645   51    3    0    0    0
203082097620379205092015620019203032008919717198361942018709165771 1312 4515 1452  189   17    1    0
186061983318880184761774516848173521798217771175451755617146162541 3131 8047 2621  414   32    6    1
148361663915551144011340712583126281368414935143541504814953147521 3553 9558 3711  906  124   39    8
 937110932108479060 8253 8322 8817 85771035211132120681240912847128 24 9923 5601 2203  542  169   33
 4664 4568 5142 4557 4013 4254 4880 5157 6504 8173 9168 98831075010754 9432 6266 3955 1526  469   47
 1172 1435 1561 1643 1726 2084 2487 2846 4276 5949 5846 5970 7372 7809 6899 5762 3940 1942  389   40
  246  365  406  508  538  876 1009 1441 2007 3054 3014 3209 4093 4779 4583 4218 3135 1604  211   35
   35   62   85  117  146  238  303  476  797 1209 1467 1772 2171 2782 2639 2793 1937  907   67   14
    3    8   16   23   32   55   84  154  309  514  681  838 1111 1349 1546 1542  992  290   10    2
    0    1    2    4    8   14   27   46   94  188  266  365  537  636  714  604  247   40    1    0
    0    0    0    1    2    3    6   14   35   63   87  141  192  234  164  147   70   13    0    0
    0    0    0    0    0    1    2    3   12   19   24   28   54   71   63   52   30    6    0    0
    0    0    0    0    0    0    0    1    2    4    7   11   21   32   31   25   14    3    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .25269E+09
   CHEM.TIME(DAYS)    =    .29246E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .80072E+01
  NO. MOVES COMPLETED =  1800

214992150021500215002150021500215002150021500215002150021469  547   41    2    0    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921425 4259  286   18    1    0    0    0    0    0
214962149921499214992149921498214982149921499214982135 9309  570   45    6    1    0    0    0    0
214882149821497214962149321491214942149521497214952134912980  815  116   43    6    1    0    0    0    0
214592148921484214812146221465214812148021488214752131615550 2076  636  345   44    3    0    0    0    0
213832145721415214202133621388214372142421414213422103618893 7205 2991 1148  151   15    0    0    0    0
211022132521128212252101421063212272113521044209262048419494139 46 7665 2835  645   51    3    0    0    0
203082097620379205092015620019203032008919717198361942018709165771 1312 4515 1452  189   17    1    0
186061983318880184761774516848173521798217771175451755617146162541 3131 8047 2621  414   32    6    1
148361663915551144011340712583126281368414935143541504814953147521 3553 9558 3711  906  124   39    8
 937110932108479060 8253 8322 8817 85771035211132120681240912847128 24 9923 5601 2203  542  169   33
 4664 4568 5142 4557 4013 4254 4880 5157 6504 8173 9168 98831075010754 9432 6266 3955 1526  469   47
 1172 1435 1561 1643 1726 2084 2487 2846 4276 5949 5846 5970 7372 7809 6899 5762 3940 1942  389   40
  246  365  406  508  538  876 1009 1441 2007 3054 3014 3209 4093 4779 4583 4218 3135 1604  211   35
   35   62   85  117  146  238  303  476  797 1209 1467 1772 2171 2782 2639 2793 1937  907   67   14
    3    8   16   23   32   55   84  154  309  514  681  838 1111 1349 1546 1542  992  290   10    2
    0    1    2    4    8   14   27   46   94  188  266  365  537  636  714  604  247   40    1    0
    0    0    0    1    2    3    6   14   35   63   87  141  192  234  164  147   70   13    0    0
    0    0    0    0    0    1    2    3   12   19   24   28   54   71   63   52   30    6    0    0
    0    0    0    0    0    0    0    1    2    4    7   11   21   32   31   25   14    3    0    0

 CHEMICAL MASS BALANCE
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```
        MASS IN BOUNDARIES      =    .21376E+13
        MASS OUT BOUNDARIES     =   -.14511E+07
        MASS PUMPED IN          =    .00000E+00
        MASS PUMPED OUT         =   -.59439E+12
        MASS LOST BY DECAY      =    .00000E+00
        MASS ADSORBED ON SOLIDS=     .00000E+00
        INITIAL MASS ADSORBED   =    .00000E+00
        INFLOW MINUS OUTFLOW    =    .15432E+13
        INITIAL MASS DISSOLVED  =    .00000E+00
        PRESENT MASS DISSOLVED  =    .15506E+13
        CHANGE MASS DISSOLVED   =    .15506E+13
        CHANGE TOTL.MASS STORED=     .15506E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   -.73750E+10
        ERROR  (AS PERCENT)     =   -.34501E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =      1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .26673E+09
   CHEM.TIME(DAYS)    =    .30871E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .84521E+01
  NO. MOVES COMPLETED =   1900

215002150021500215002150021500215002150021500215002150021469  565   46    2    0    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921420 5083  273   17    1    0    0    0    0    0
214982150021499214992149921499214992149921499214992149821363 9788  568   48    6    1    0    0    0    0
214932149921498214982149621495214972149821498214962135112659  825  126   51    7    1    0    0    0    0
214792149521492214912147921483214892148921491214852132414235 1985  634  312   52    3    0    0    0    0
214302147521456214512141721436214632145221438213732115318956 6715 2637 1195  228   17    0    0    0    0
212772141121302213222122421281213132123921148210062067119645149547223 3018  543   62    4    0    0    0
208262121020921208912051520368205932043120144200021978719281169171189560081775  178   15    2    1
196722045919650193001884217647184041853618238181731813417958170041346888542959  475   57    9    1
170621835917155151411534714188141911504615629154881572715825159141452910683 5046 1182  158   50   12
118141337912964106551003797831048810510115531234413172138461396213532115166223 2821  730  211   48
 5828 7052 7209 6485 5845 6240 6696 6321 7954 923910670110381172711465106737946 4724 2087  629   74
 2085 2522 2883 2602 2770 3136 3655 3700 5453 6744 7120 7640 8132 8493 8083 7274 4843 2566  660   75
  417  629  772  935  966 1309 1629 1951 2864 3701 4212 4096 5178 5566 5684 5347 4020 2281  250   50
   74  132  170  243  261  390  523  719 1115 1519 1903 2277 3008 3367 3413 3261 2738 1270  106   45
    8   21   41   50   53   78  150  251  439  679  871 1139 1484 1652 1963 2000 1232  330   17    7
    1    1    6    7   12   22   42   76  169  267  381  514  686  867 1001  834  348   54    2    1
    0    0    1    1    2    5    9   19   53  104  152  227  290  385  300  237  135   14    1    0
    0    0    0    0    0    1    3    7   16   31   61   62   92  103  107   88   49   11    0    0
    0    0    0    0    0    0    1    2    4    9   16   20   33   49   53   44   25    5    0    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =      1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
   CHEM.TIME(SECONDS) =    .26673E+09
   CHEM.TIME(DAYS)    =    .30871E+04
        TIME(YEARS)   =    .10000E+02
   CHEM.TIME(YEARS)   =    .84521E+01
  NO. MOVES COMPLETED =   1900
```

```
215002150021500215002150021500215002150021500215002150021469  565   46    2    0    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921420 5083  273   17    1    0    0    0    0    0
214982150021499214992149921499214992149921499214992149821363 9788  568   48    6    1    0    0    0    0
214932149921498214982149621495214972149821498214962135112659  825  126   51    7    1    0    0    0
214792149521492214912147921483214892148921491214852132414235 1985  634  312   52    3    0    0    0
214302147521456214512141721436214632145221438213732115318956 6715 2637 1195  228   17    0    0    0
212772141121302213222122421281213132123921148210062067119645149547223 3018  543   62    4    0    0
208262121020921208912051520368205932043120144200021978719281169171189560081775  178   15    2    1
196722045919650193001884217647184041853618238181731813417958170041346888542959  475   57    9    1
170621835917155151411534714188141911504615629154881572715825159141452910683 5046 1182  158   50   12
118141337912964106551003797831048810510115531234413172138461396213532115166223 2821  730  211   48
 5828 7052 7209 6485 5845 6240 6696 6321 7954 923910670110381172711465106737946 4724 2087  629   74
 2085 2522 2883 2602 2770 3136 3655 3700 5453 6744 7120 7640 8132 8493 8083 7274 4843 2566  660   75
  417  629  772  935  966 1309 1629 1951 2864 3701 4212 4096 5178 5566 5684 5347 4020 2281  250   50
   74  132  170  243  261  390  523  719 1115 1519 1903 2277 3008 3367 3413 3261 2738 1270  106   45
    8   21   41   50   53   78  150  251  439  679  871 1139 1484 1652 1963 2000 1232  330   17    7
    1    1    6    7   12   22   42   76  169  267  381  514  686  867 1001  834  348   54    2    1
    0    0    1    1    2    5    9   19   53  104  152  227  290  385  300  237  135   14    1    0
    0    0    0    0    0    1    3    7   16   31   61   62   92  103  107   88   49   11    0    0
    0    0    0    0    0    0    1    2    4    9   16   20   33   49   53   44   25    5    0    0
```

CHEMICAL MASS BALANCE

```
        MASS IN BOUNDARIES      =   .22566E+13
        MASS OUT BOUNDARIES     =  -.27338E+07
        MASS PUMPED IN          =   .00000E+00
        MASS PUMPED OUT         =  -.64048E+12
        MASS LOST BY DECAY      =   .00000E+00
        MASS ADSORBED ON SOLIDS =   .00000E+00
        INITIAL MASS ADSORBED   =   .00000E+00
        INFLOW MINUS OUTFLOW    =   .16161E+13
        INITIAL MASS DISSOLVED  =   .00000E+00
        PRESENT MASS DISSOLVED  =   .16227E+13
        CHANGE MASS DISSOLVED   =   .16227E+13
        CHANGE TOTL.MASS STORED =   .16227E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =  -.65820E+10
        ERROR  (AS PERCENT)     =  -.29168E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .28077E+09
   CHEM.TIME(DAYS)    =   .32496E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .88969E+01
  NO. MOVES COMPLETED =  2000
```

```
215002150021500215002150021500215002150021500215002150021469  535   41    2    0    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921408 2573  164   12    1    0    0    0    0    0
214992150021500215002149921499214992149921499215002149921364 7221  506   45    6    1    0    0    0    0
214962149921499214992149721497214982149821499214972134711819  849  127   57   10    1    0    0    0
214872149721495214942148821489214932149221494214882133314165 1886  675  298   55    2    0    0    0
214592148621473214722145621465214772147021443214092123517348 7806 3058 1209  247   13    0    0    0
213632145321379213942130721334213752131021119210762095719842148918292 3216  826   99    2    0    0
210752133021115210922097220816207912076820286203442019919736172601236864572171  330   22    2    0
202782090120492199301963118861192311911318972189241893918836175181472310006 4351  585   56   11    2
```

```
1843319401187371699416920157981605916178164221655116877170611678515018117905497 1350  189   69   10
1490315514149161195510865110251132410898123891291714496152881511014466411213 8362 3600  925  236   53
 8178 8097 8424 7271 6712 6745 7277 7288 8803109111198612528132661218411251 8982 5996 2175  719  161
 2818 3089 3508 3579 3303 3582 4324 4478 6633 7582 8701 8847 9541 9729 9323 8407 6277 2984  810  115
  698  883 1132 1401 1405 1670 2143 2371 3518 4103 4347 4874 6173 6320 6425 6147 4863 2627  300   57
   93  174  284  428  447  574  679  909 1274 1878 2483 2639 3144 3748 4228 4273 3146 1590  108   27
   10   30   49   75  104  155  214  337  508  843 1210 1429 1695 2126 2579 2683 1708  465   17    8
    1    4    8   15   25   39   64  123  196  333  548  717  912 1140 1374 1114  590   59    3    2
    0    0    1    3    5   10   20   40   73  153  232  321  396  525  429  330  163   21    1    0
    0    0    0    1    1    3    5   11   24   53   69  105  106  158  168  137   86   14    1    0
    0    0    0    0    0    0    1    2    7   15   26   37   48   72   82   71   40   12    1    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .28077E+09
   CHEM.TIME(DAYS)    =   .32496E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .88969E+01
  NO. MOVES COMPLETED =  2000

215002150021500215002150021500215002150021500215002150021469  535   41    2    0    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921408 2573  164   12    1    0    0    0    0    0
214992150021500215002149921499214992149921499215002149921364 7221  506   45    6    1    0    0    0    0
214962149921499214992149721497214972149821498214992149721347 11819 849  127   57   10    1    0    0    0
214872149721495214942148821489214892149321492214942148821333 14165 1886 675  298   55    2    0    0    0
214592148621473214722145621465214772147021443214092123517348 7806 3058 1209  247   13    0    0    0    0
213632145321379213942130721334213752131021119210762095719842148918292 3216  826   99    2    0    0    0
210752133021115210922097220816207912076820286203442019919736172601236 8457 2171  330   22    2    0    0
202782090120492199301963118861192311911318972189241893918836175181472310006 4351  585   56   11    2
184331940118737169941692015798160591617816422165511687717061167851501811790 5497 1350  189   69   10
149031551414916119551086511025113241089812389129171449615288151101446411213 8362 3600  925  236   53
 8178 8097 8424 7271 6712 6745 7277 7288 8803109111198612528132661218411251 8982 5996 2175  719  161
 2818 3089 3508 3579 3303 3582 4324 4478 6633 7582 8701 8847 9541 9729 9323 8407 6277 2984  810  115
  698  883 1132 1401 1405 1670 2143 2371 3518 4103 4347 4874 6173 6320 6425 6147 4863 2627  300   57
   93  174  284  428  447  574  679  909 1274 1878 2483 2639 3144 3748 4228 4273 3146 1590  108   27
   10   30   49   75  104  155  214  337  508  843 1210 1429 1695 2126 2579 2683 1708  465   17    8
    1    4    8   15   25   39   64  123  196  333  548  717  912 1140 1374 1114  590   59    3    2
    0    0    1    3    5   10   20   40   73  153  232  321  396  525  429  330  163   21    1    0
    0    0    0    1    1    3    5   11   24   53   69  105  106  158  168  137   86   14    1    0
    0    0    0    0    0    0    1    2    7   15   26   37   48   72   82   71   40   12    1    0

 CHEMICAL MASS BALANCE

       MASS IN BOUNDARIES      =   .23757E+13
       MASS OUT BOUNDARIES     =  -.49632E+07
       MASS PUMPED IN          =   .00000E+00
       MASS PUMPED OUT         =  -.68943E+12
       MASS LOST BY DECAY      =   .00000E+00
       MASS ADSORBED ON SOLIDS=    .00000E+00
       INITIAL MASS ADSORBED   =   .00000E+00
       INFLOW MINUS OUTFLOW    =   .16863E+13
       INITIAL MASS DISSOLVED  =   .00000E+00
       PRESENT MASS DISSOLVED  =   .16829E+13
       CHANGE MASS DISSOLVED   =   .16829E+13
       CHANGE TOTL.MASS STORED=    .16829E+13
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
       MASS BALANCE RESIDUAL   =   .33718E+10
       ERROR  (AS PERCENT)     =   .14193E+00
```

VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6

CONCENTRATION

```
 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .29480E+09
   CHEM.TIME(DAYS)    =   .34121E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .93418E+01
  NO. MOVES COMPLETED =  2100

215002150021500215002150021500215002150021500215002150021469  409   38    2    0    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921417 2355  232   15    1    0    0    0    0    0
214992150021500215002150021499215002150021500214992137812 9487  498   40    7    1    0    0    0    0
214982150021499214992149821498214992149921499214972133712005  805  141   53   14    1    0    0    0
214942149821496214962149121492214962149521495214902131113838 2140 1112  317   72    8    0    0    0
214732149221479214802146721474214832147721451214222125818050 9161 2956 1250  289   21    1    0    0
213982147221409214152134621374213912134021244211642092119686155046363 2498  667  127    6    0    0
211682138121199211572103520932209262074920528203952030919823174411124255101659  279   17    2    0
205532106020723201981975719332195411924319136190501912518992183101558496624391 1025   63   13    2
190792004919368181521781117084169261705317138172521737517643172791608511664 5845 1428  201   86    9
162071695916832149191377413099130231319813730146211530915992162281505012594 7946 3748  992  411   47
110451149210974 9984 8165 8296 8726 9011 9672122491274613262142591357311945 9690 7059 2989 1143  118
 4845 5442 5424 5089 5000 5358 5581 6255 7699 8892 9547 9636107891042710320 9241 7441 3915  974   65
 1503 1528 2365 2171 2127 2465 3186 3126 4173 5500 5712 6404 6642 7663 7693 7235 6089 3107  341   38
  340  357  588  935  732  834 1044 1270 1735 2354 3192 3579 4005 4618 5030 4968 4121 1955  192    8
   49   66  109  176  174  261  368  515  739 1066 1761 2139 2246 2692 3007 3135 2247  576   21    3
    5    9   20   31   44   78  127  182  308  464  751 1074 1340 1576 1677 1437  728   97    2    1
    0    1    3    5    8   19   36   54  111  212  331  513  653  688  571  424  254   59    1    0
    0    0    0    1    1    3    8   15   37   87  119  151  185  202  237  169  110   21    1    0
    0    0    0    0    0    1    2    5   10   24   37   55   79  105  126  110   69   19    1    0
```

CHANGE IN CONCENTRATION

```
 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .29480E+09
   CHEM.TIME(DAYS)    =   .34121E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .93418E+01
  NO. MOVES COMPLETED =  2100

215002150021500215002150021500215002150021500215002150021469  409   38    2    0    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921417 2355  232   15    1    0    0    0    0    0
214992150021500215002150021499215002150021500214992137812 9487  498   40    7    1    0    0    0    0
214982150021499214992149821498214992149921499214972133712005  805  141   53   14    1    0    0    0
214942149821496214962149121492214962149521495214902131113838 2140 1112  317   72    8    0    0    0
214732149221479214802146721474214832147721451214222125818050 9161 2956 1250  289   21    1    0    0
213982147221409214152134621374213912134021244211642092119686155046363 2498  667  127    6    0    0
211682138121199211572103520932209262074920528203952030919823174411124255101659  279   17    2    0
205532106020723201981975719332195411924319136190501912518992183101558496624391 1025   63   13    2
190792004919368181521781117084169261705317138172521737517643172791608511664 5845 1428  201   86    9
162071695916832149191377413099130231319813730146211530915992162281505012594 7946 3748  992  411   47
110451149210974 9984 8165 8296 8726 9011 9672122491274613262142591357311945 9690 7059 2989 1143  118
 4845 5442 5424 5089 5000 5358 5581 6255 7699 8892 9547 9636107891042710320 9241 7441 3915  974   65
 1503 1528 2365 2171 2127 2465 3186 3126 4173 5500 5712 6404 6642 7663 7693 7235 6089 3107  341   38
  340  357  588  935  732  834 1044 1270 1735 2354 3192 3579 4005 4618 5030 4968 4121 1955  192    8
   49   66  109  176  174  261  368  515  739 1066 1761 2139 2246 2692 3007 3135 2247  576   21    3
```

```
    5    9   20   31   44   78  127  182  308  464  751 1074 1340 1576 1677 1437  728   97    2    1
    0    1    3    5    8   19   36   54  111  212  331  513  653  688  571  424  254   59    1    0
    0    0    0    1    1    3    8   15   37   87  119  151  185  202  237  169  110   21    1    0
    0    0    0    0    0    1    2    5   10   24   37   55   79  105  126  110   69   19    1    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES      =   .24949E+13
        MASS OUT BOUNDARIES     =  -.82521E+07
        MASS PUMPED IN          =   .00000E+00
        MASS PUMPED OUT         =  -.74175E+12
        MASS LOST BY DECAY      =   .00000E+00
        MASS ADSORBED ON SOLIDS =   .00000E+00
        INITIAL MASS ADSORBED   =   .00000E+00
        INFLOW MINUS OUTFLOW    =   .17532E+13
        INITIAL MASS DISSOLVED  =   .00000E+00
        PRESENT MASS DISSOLVED  =   .17516E+13
        CHANGE MASS DISSOLVED   =   .17516E+13
        CHANGE TOTL.MASS STORED =   .17516E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL   =   .15837E+10
        ERROR  (AS PERCENT)     =   .63479E-01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASEG

CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
   CHEM.TIME(SECONDS) =   .30884E+09
   CHEM.TIME(DAYS)    =   .35746E+04
        TIME(YEARS)   =   .10000E+02
   CHEM.TIME(YEARS)   =   .97866E+01
  NO. MOVES COMPLETED =  2200

215002150021500215002150021500215002150021500215002150021469  514   39    2    0    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921422 2627  183   13    1    0    0    0    0    0
214992150021500215002150021500215002150021500214992136l 8675  424   43    7    1    0    0    0    0
214992150021499214992149921499214992149921499214992149821342l0874  756  132   52    8    1    0    0    0
214952149921498214972149521496214972149721496214912131413798 3482  747  360   81    4    0    0    0    0
214832149521491214892148221483214892148221471214362124317857 9371 3163 1212  226   26    0    0    0    0
214462148121455214542143421428214352136521303212092104019648160B2 7814 3060  847  126    9    0    0    0
213292143421358213232121621127210G720889208162064320473199611745612093 5917 1949  421   32    2    0
209942125921058207092055320108198201983019658194751950319410184221479792G1 3529  718   73   13    3
200732055320316189421885618193177501768617689176731784618193180401667811990 5388 1825  380   82   20
178241835017882161971487814540146121420914225151641576316659169221600113105 8476 4159 1196  421   72
136281373812887118701017G 97351023410704107301332313324147301506214398128G010433 7045 3530 1329  143
 6181 7303 7244 6949 6239 6827 6832 7471 858610158105771133011633119501111S 9798 7778 4696 1319   80
 2354 2460 3264 3332 2988 3405 4096 4059 5171 5845 6557 7137 810G 8423 8361 7822 6376 3870  631   44
  520  658  980 1435 1400 1293 1705 1874 2281 2997 3900 4372 5272 5272 5605 5714 4641 2267  319   23
   58   82  256  305  313  424  554  756 1054 1449 2114 2687 2898 3144 3484 3837 2506  658   60    3
    6   12   21   50   73  109  159  248  372  537  934 1329 1616 1862 2087 1892  835  182    8    0
    1    2    4   12   19   28   50   87  148  245  425  666  746  832  799  585  336   88    3    0
    0    0    1    3    3    8   16   26   56   93  146  191  240  305  336  262  160   53    3    0
    0    0    0    0    1    2    5    7   15   29   53   81  121  153  178  159  103   30    3    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
        DELTA T       =   .31558E+09
        TIME(SECONDS) =   .31558E+09
```

```
  CHEM.TIME(SECONDS) =    .30884E+09
  CHEM.TIME(DAYS)    =    .35746E+04
       TIME(YEARS)   =    .10000E+02
  CHEM.TIME(YEARS)   =    .97866E+01
 NO. MOVES COMPLETED =  2200

215002150021500215002150021500215002150021500215002150021469  514   39    2    0    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921422 2627  183   13    1    0    0    0    0    0
214992150021500215002150021500215002150021500215002149921361 8675  424   43    7    1    0    0    0    0
214992150021499214992149921499214992149921499214992149821342108 74  756  132   52    8    1    0    0    0
214952149921498214972149521496214972149721496214912131413798 3482  747  360   81    4    0    0    0    0
214832149521491214892148221483214892148221471214362124317857 9371 3163 1212  226   26    0    0    0    0
214462148121455214542143421428214352136521303212092104019648160 82 7814 3060  847  126    9    0    0    0
213292143421358213232121621127210672088920816206432047319961174561209 3 5917 1949  421   32    2    0    0
209942125921058207092055320108198201983019658194751950319410184221479 7 9261 3529  718   73   13    3    0
200732055320316189421885618193177501768617689176731784618193180401667811990 5388 1825  380   82   20
178241835017882161971487814540146121420914225151641576316659169221600113105 8476 4159 1196  421   72
136281373812887118701017697351023410704107301332313324147301506214398128601043370453530 1329  143
 6181 7303 7244 6949 6239 6827 6832 7471 858610158105771133011633119501111597987778 4696 1319   80
 2354 2460 3264 3332 2988 3405 4096 4059 5171 5845 6557 7137 8106 8423 8361 7822 6376 3870  631   44
  520  658  980 1435 1400 1293 1705 1874 2281 2997 3900 4372 5272 5272 5605 5714 4641 2267  319   23
   58   82  256  305  313  424  554  756 1054 1449 2114 2687 2898 3144 3484 3837 2506  658   60    3
    6   12   21   50   73  109  159  248  372  537  934 1329 1616 1862 2087 1892  835  182    8    0
    1    2    4   12   19   28   50   87  148  245  425  666  746  832  799  585  336   88    3    0
    0    0    1    3    3    8   16   26   56   93  146  191  240  305  336  262  160   53    3    0
    0    0    0    0    1    2    5    7   15   29   53   81  121  153  178  159  103   30    3    0

 CHEMICAL MASS BALANCE

        MASS IN BOUNDARIES     =    .26141E+13
        MASS OUT BOUNDARIES    =   -.13393E+08
        MASS PUMPED IN         =    .00000E+00
        MASS PUMPED OUT        =   -.79824E+12
        MASS LOST BY DECAY     =    .00000E+00
        MASS ADSORBED ON SOLIDS=    .00000E+00
        INITIAL MASS ADSORBED  =    .00000E+00
        INFLOW MINUS OUTFLOW   =    .18158E+13
        INITIAL MASS DISSOLVED =    .00000E+00
        PRESENT MASS DISSOLVED =    .18136E+13
        CHANGE MASS DISSOLVED  =    .18136E+13
        CHANGE TOTL.MASS STORED=    .18136E+13
     COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL  =    .21719E+10
        ERROR  (AS PERCENT)    =    .83083E-01
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASEG

CONCENTRATION

 NUMBER OF TIME STEPS =      1
        DELTA T       =    .31558E+09
        TIME(SECONDS) =    .31558E+09
  CHEM.TIME(SECONDS)  =    .31558E+09
  CHEM.TIME(DAYS)     =    .36526E+04
       TIME(YEARS)    =    .10000E+02
  CHEM.TIME(YEARS)    =    .10000E+02
 NO. MOVES COMPLETED  =  2248

215002150021500215002150021500215002150021500215002150021469  502   38    2    0    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921425 3350  206   14    1    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921360 8872  592   38    7    1    0    0    0    0
```

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214992150021500214992149921499214992149921499214992149921498213251013 9  821  125   58   10    1    0    0    0
214962149921499214982149621497214982149721497214922132913279 2696  769  348   95    5    0    0    0
214872149621492214922148421487214912148421470214422124618443 8918 3263 1103  279   29    0    0    0
214592148421458214692144321447214442137221329212272103819864155747273 2808  888  101    5    0    0
213632145021354213652127721137211502094320858207082058520153183091364360582186  333   18    3    1
210292129421099208532068520307200471992919739197181952519444185401542792303705  780  118   16    3
200742071020530193571874218629176651804617794178481801418234180451668512209 5558 1770  338   73   20
181341868418578167071524115158149341546314738154761648616962171741643013382 8208 4543 1163  373   83
147951422314810126121075710651112831113211701131511369515307155731515213299107107467 3695 1410  168
 7298 8354 7709 7681 6950 7108 7496 8482 883810501112601168411864120651158110343 8125 4903 1320   84
 2625 3187 3426 3646 3388 3545 4496 4935 5541 6607 7348 7941 8364 8674 8821 8384 6827 4040  658   71
  662  824 1134 1497 1433 1439 1882 2274 2574 3312 4235 4964 5508 5793 5868 5897 4840 2179  230    5
  122  171  314  329  394  436  675  906 1181 1729 2141 2813 3099 3426 3690 3909 2857  800   45    2
   13   28   43   69   91  123  254  369  507  763 1004 1429 1835 2022 2187 1707 1033  182    6    0
    1    2    5   14   24   35   62  102  172  282  457  797  803  909  826  594  374   79    4    0
    0    0    1    3    7   11   20   32   65  103  157  286  292  335  351  306  203   50    3    0
    0    0    0    0    1    3    6    8   17   34   65  100  139  190  211  188  129   50    4    0
CHANGE IN CONCENTRATION

 NUMBER OF TIME STEPS =     1
       DELTA T        =   .31558E+09
       TIME(SECONDS)  =   .31558E+09
   CHEM.TIME(SECONDS) =   .31558E+09
   CHEM.TIME(DAYS)    =   .36526E+04
       TIME(YEARS)    =   .10000E+02
   CHEM.TIME(YEARS)   =   .10000E+02
  NO. MOVES COMPLETED =  2248

215002150021500215002150021500215002150021500215002150021469  502   38    2    0    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921425 3350  206   14    1    0    0    0    0    0
215002150021500215002150021500215002150021500215002149921360 8872  592   38    7    1    0    0    0    0
214992150021500214992149921499214992149921499214992149821325101391 821  125   58   10    1    0    0    0
214962149921499214982149621497214982149721497214922132913279 2696  769  348   95    5    0    0    0
214872149621492214922148421487214912148421470214422124618443 8918 3263 1103  279   29    0    0    0
214592148421458214692144321447214442137221329212272103819864155747273 2808  888  101    5    0    0
213632145021354213652127721137211502094320858207082058520153183091364360582186  333   18    3    1
210292129421099208532068520307200471992919739197181952519444185401542792303705  780  118   16    3
200742071020530193571874218629176651804617794178481801418234180451668512209 5558 1770  338   73   20
181341868418578167071524115158149341546314738154761648616962171741643013382 8208 4543 1163  373   83
147951422314810126121075710651112831113211701131511369515307155731515213299107107467 3695 1410  168
 7298 8354 7709 7681 6950 7108 7496 8482 883810501112601168411864120651158110343 8125 4903 1320   84
 2625 3187 3426 3646 3388 3545 4496 4935 5541 6607 7348 7941 8364 8674 8821 8384 6827 4040  658   71
  662  824 1134 1497 1433 1439 1882 2274 2574 3312 4235 4964 5508 5793 5868 5897 4840 2179  230    5
  122  171  314  329  394  436  675  906 1181 1729 2141 2813 3099 3426 3690 3909 2857  800   45    2
   13   28   43   69   91  123  254  369  507  763 1004 1429 1835 2022 2187 1707 1033  182    6    0
    1    2    5   14   24   35   62  102  172  282  457  797  803  909  826  594  374   79    4    0
    0    0    1    3    7   11   20   32   65  103  157  286  292  335  351  306  203   50    3    0
    0    0    0    0    1    3    6    8   17   34   65  100  139  190  211  188  129   50    4    0

CHEMICAL MASS BALANCE

      MASS IN BOUNDARIES     =   .26713E+13
      MASS OUT BOUNDARIES    =  -.16561E+08
      MASS PUMPED IN         =   .00000E+00
      MASS PUMPED OUT        =  -.82660E+12
      MASS LOST BY DECAY     =   .00000E+00
      MASS ADSORBED ON SOLIDS=   .00000E+00
      INITIAL MASS ADSORBED  =   .00000E+00
      INFLOW MINUS OUTFLOW   =   .18447E+13
      INITIAL MASS DISSOLVED =   .00000E+00
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        PRESENT MASS DISSOLVED =    .18409E+13
        CHANGE MASS DISSOLVED  =    .18409E+13
        CHANGE TOTL.MASS STORED=    .18409E+13
      COMPARE RESIDUAL WITH NET FLUX AND MASS ACCUMULATION:
        MASS BALANCE RESIDUAL  =    .37535E+10
        ERROR  (AS PERCENT)    =    .14051E+00
VERTICAL TWO-DIMENSIONAL SOLUTE TRANSPORT MODEL, LAS PINAS (40X24), CASE6
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CHAPTER 6

GROUNDWATER QUALITY

6.1

EXISTING DATA

Table 1985 MAJOR ION ANALYSIS OF SELECTED SAMPLES IN METRO MANILA

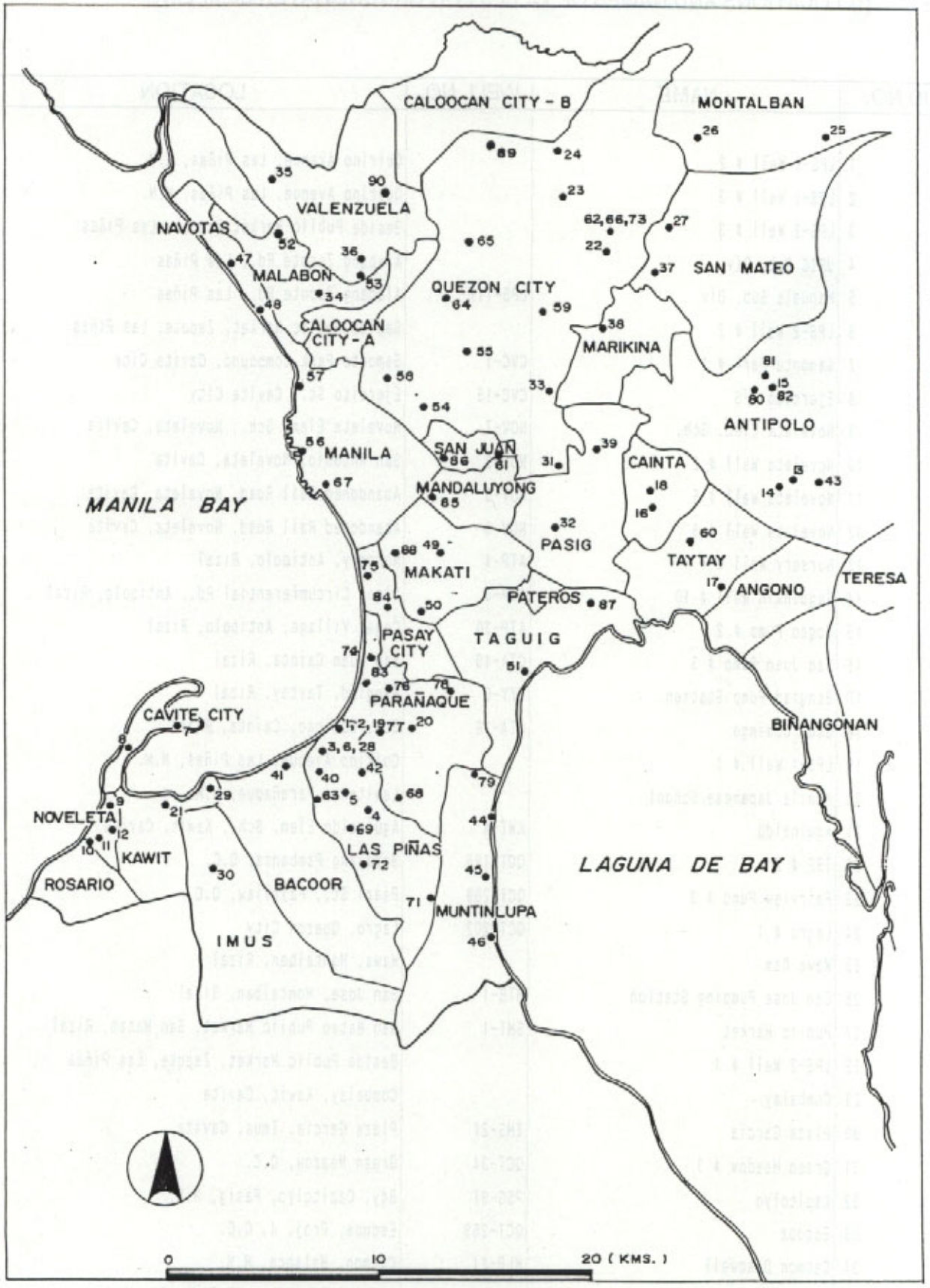
WELL NO.	WELL DESCRIPTION					DATE OF	Na		K		Ca		Mg		Cations		Cl		HCO3		SO4		Anions	
	LOCATION/OWNER	YEAR	DEPTH	SCREEN	AQUIFER	SAMPLING	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm
CTA 12	Hooven Canalo Id.	1971	48.80	-	A	09-05-85	157.5	5.98	10.0	0.26	185.6	9.28	15.5	1.29	-	16.81	344.4	9.70	208.6	3.42	68.0	1.42	-	14.54
MDL 3	Insular Sugar Ref.	1949	132.23	-	G	09-04-85	1200.0	52.17	52.5	1.35	150.4	7.52	149.7	12.48	-	73.52	2026.0	57.07	612.4	10.04	61.0	1.27	-	68.38
MKT 92	Fort Bonifacio #9	1977	136.90	-	G	09-03-85	140.0	6.09	10.0	0.46	38.4	1.92	13.6	1.13	-	9.60	108.0	3.04	361.6	5.93	30.0	0.63	-	9.60
MML 148	MM Center	-	-	-	-	09-04-85	1425.0	61.96	115.0	2.95	1056.0	52.80	1283.0	106.92	-	224.63	6968.4	196.57	236.7	3.88	91.0	1.90	-	202.35
PSC 1	PAF, Nichols A.B. #1	-	240.80	-	G	09-02-85	142.5	6.20	20.0	0.51	16.0	0.80	9.7	0.81	-	8.32	27.0	0.76	431.1	7.07	8.5	0.14	-	7.97
PSC 7	PAF, Nichols A.B. #7	-	206.60	-	G	09-02-85	130.0	5.65	3.5	0.09	6.4	0.32	7.8	0.65	-	6.71	54.0	1.52	334.3	5.48	4.5	0.09	-	7.09
PSC 11	PAF, Nichols A.B. #11	-	225.50	-	G	09-02-85	187.5	8.15	9.2	0.24	9.6	0.48	5.8	0.48	-	9.35	63.0	1.77	417.2	6.84	10.0	0.21	-	8.82
PSC 13	PAF, Nichols A.B. #13	-	249.90	-	G	08-30-85	208.0	9.04	8.5	0.22	6.4	0.32	5.8	0.48	-	10.06	80.1	5.07	336.7	5.52	6.0	0.13	-	10.72
PSC 14	PAF, Nichols A.B. #14	1977	249.90	-	G	09-02-85	192.5	8.37	20.5	0.53	44.9	2.24	7.8	0.65	-	11.79	130.6	3.68	458.7	7.52	12.5	0.26	-	11.46
PSC 44	Manila Sanitarium	1979	305.00	272-362	A	09-06-85	400.0	17.39	7.5	0.19	76.8	3.84	7.8	0.65	-	22.07	535.7	15.09	273.3	4.48	81.0	1.69	-	21.26
PSC 46	Derhan Park	-	200.00	144-193	A	09-06-85	105.0	4.57	2.5	0.06	86.4	4.32	27.2	2.27	-	11.22	58.5	1.65	361.2	5.92	216.0	4.50	-	12.07
PSC 50	US Seafront Cpd.	1978	457.30	-	A	09-06-85	297.5	12.93	25.0	0.64	22.4	1.12	11.7	0.98	-	15.67	279.1	7.86	258.6	4.24	234.0	4.87	-	16.97
PSG 52	Metro Lab.	1979	182.90	90-182	G	09-05-85	3600.0	156.52	100.0	2.56	25.6	1.28	112.7	9.39	-	159.75	4254.5	119.85	403.8	6.62	174.0	3.63	-	130.10
PSG 57	Philippine Cement	1969	182.90	91-182	G	09-05-85	107.5	4.67	15.0	0.38	16.0	0.80	5.8	0.48	-	6.33	114.8	3.23	152.5	2.50	22.0	0.46	-	6.19
PTR 1	MWSS Fort Bonifacio	1976	99.10	-	G	09-03-85	450.0	19.57	50.0	1.28	179.2	8.96	60.3	5.03	-	34.84	855.0	24.08	511.2	8.38	14.0	0.29	-	32.79
PTR 6	Camera Steel	-	-	-	-	09-05-85	275.0	11.96	10.0	0.26	131.2	6.56	56.4	4.70	-	23.48	576.3	16.23	194.7	3.19	128.0	2.67	-	22.09
TGG 14	Elizalde Steel	-	243.90	-	G	09-05-85	682.5	29.67	57.5	1.47	67.2	3.36	21.4	1.78	-	35.28	1238.1	34.81	167.1	2.74	76.0	1.58	-	39.13
TGG 20	MWSS Ususan	1978	180.00	-	G	09-05-85	387.5	16.85	60.0	1.54	54.4	2.72	21.4	1.78	-	22.89	567.3	15.98	222.0	3.64	11.0	0.23	-	19.85
TGG 102	Eusebio Elem. School	-	-	-	-	09-05-85	412.5	17.93	37.5	0.96	19.2	0.96	9.7	0.81	-	20.66	405.2	11.41	403.0	6.62	89.5	1.84	-	19.87
TGG 115	Century Canning	-	-	-	-	09-06-85	195.0	8.48	21.0	0.54	32.0	1.60	3.9	0.33	-	10.95	117.0	3.30	389.2	6.38	3.0	0.06	-	9.74
TTY 11	MWSS Sta. Ana	1980	153.00	-	G	09-05-85	70.0	3.04	10.0	0.26	76.8	3.84	21.9	1.83	-	8.97	90.0	2.54	346.5	5.68	32.0	0.67	-	8.89

Remark: DEPTH and Screen in M
AQUIFER: A; Alluvium, G; Guadalupe

SOURCE: 1985 Major Ion Analysis by PGSICS (1985)
Details of Well Inventory by GWDMWSPII (198
Compiled by JICA

6.2

GROUNDWATER SAMPLING



STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JAPAN INTERNATIONAL COOPERATION AGENCY

LOCATION OF WATER SAMPLING POINTS

TABLE (1) LOCATIONS AND NAMES OF WELLS FOR GROUNDWATER SAMPLING

ID NO.	NAME	WELL NO.	LOCATION
1	LPS-1 Well # 2		Quirino Avenue, Las Piñas, M.M.
2	LPS-1 Well # 3		Quirino Avenue, Las Piñas, M.M.
3	LPS-2 Well # 3		Beside Public Market Zapote, Las Piñas
4	URIC Sub. Div.		Alabang Zapote Rd., Las Piñas
5	Manuela Sub. Div.	LPS-117	Alabang Zapote Rd., Las Piñas
6	LPS-2 Well # 2		Beside Public Market, Zapote, Las Piñas
7	Samonte Park # 1	CVC-1	Samonte Park Compound, Cavite City
8	Ejercito P/S	CVC-15	Ejercito St., Cavite City
9	Noveleta Elem. Sch.	NOV-7	Noveleta Elem. Sch., Noveleta, Cavite
10	Noveleta Well # 2	NOV-2	San Antonio, Noveleta, Cavite
11	Noveleta Well # 5	NOV-5	Abandoned Rail Road, Noveleta, Cavite
12	Noveleta Well # 8	NOV-8	Abandoned Rail Road, Noveleta, Cavite
13	Nursery Well # 4	ATP-4	Nursery, Antipolo, Rizal
14	Saguinsin Well # 10	ATP-0	Along Circumferential Rd., Antipolo, Rizal
15	Cogeo Pump # 2	ATP-30	Cogeo Village, Antipolo, Rizal
16	San Juan Pump # 3	CTA-19	San Juan Cainta, Rizal
17	Bangiad Pump Station	TYY-0	Bangiad, Taytay, Rizal
18	Sto. domingo	CTA-18	Sto. Domingo, Cainta, Rizal
19	LPS-1 Well # 1		Quirino Avenue, Las Piñas, M.M.
20	Manila Japanese School		Levitown, Parañaque, M.M.
21	Aguinaldo	KWT-4	Aguinaldo Elem. Sch., Kawit, Cavite
22	IBP # 2	QCT-196	Batasang Pambansa, Q.C.
23	Fairview Pump # 3	QCT-208	Pearl St., Fairview, Q.C.
24	Lagro # 1	QCT-202	Lagro, Quezon City
25	Wawa Dam		Wawa, Montalban, Rizal
26	San Jose Pumping Station	MTB-1	San Jose, Montalban, Rizal
27	Public Market	SMT-1	San Mateo Public Market, San Mateo, Rizal
28	LPS-2 Well # 1		Beside Public Market, Zapote, Las Piñas
29	Combalay		Combalay, Kawit, Cavite
30	Plaza Garcia	IMS-21	Plaza Garcia, Imus, Cavite
31	Green Meadow # 3	QCT-34	Green Meadow, Q.C.
32	Kapitolyo	PSG-97	Bgy. Capitolyo, Pasig, M.M.
33	Escopa	QCT-269	Escopa, Proj. 4, Q.C.
34	Catmon Deepwell	MLB-21	Catmon, Malabon, M.M.
35	Pasolo Elem. School	VLZ-214	Pasolo Elem. Sch., Valenzuela, M.M.

TABLE (2) LOCATIONS AND NAMES OF WELLS FOR GROUNDWATER SAMPLING

ID NO.	NAME	WELL NO.	LOCATION
36	T. de Leon	VLZ-125	Fortune Vill., Valenzuela, M.M.
37	Banaba-Ampid	SMT-0	Ampid, San Mateo, Rizal
38	EEMI		Ever Electrical Mfg. Inc., Malanday, Marikina
39	HPPC		Hanson Paper Phil. Corp., Manggahan, Pasig
40	LPS-3 Wall # 1		R. Castillo, Las Piñas, M.M.
41	Talaba	BCK-5	Bo. Talaba, Bacoor, Cavite
42	Naga Well # 2	LPS-39	Naga, Las Piñas, M.M.
43	ATP JICA Test Well		Antipolo, Rizal
44	Sucat Elem. School	MTL-147	Sucat Elem. Sch., Sucat, Muntinlupa
45	MWSS Alabang	MTL-150	Alabang Junction, Muntinlupa, M.M.
46	Muntinlupa Bliss		Muntinlupa Bliss, Muntinlupa, M.M.
47	Merville Subdivision	MLB-101	Tanza Merville Subd., Navotas, M.M.
48	Dagat-Dagatan # 1		Dagat-Dagatan, Navotas, M.M.
49	Forbes Park # 11	MKT-11	Forbes Park, Cambridge Circle, Makati
50	Ecology Village	MKT-145	Ecology Village, Makati
51	Signal Village II # 5	TGG-135	Signal Vill. II, Taguig, M.M.
52	Silver Swan Mfg. Co.		Panghulo Rd., Malabon
53	Vanson Paper Ind.		150 R. Delfin St., Marulas, Valenzuela
54	Quezon Institute		E. Rodriguez Ave., Q.C.
55	World Paper Mills		2 Baler St., Q.C.
56	Farola ice Cold (ICSC)		Muella Industria Manila
57	Procter & Gamble Phil. Inc.		Velasquez St., Tondo, Manila
58	Sta. Teresita College		P. Tuazon Q.C.
59	INNOTECH		Commonwealth Ave., UP Diliman, Q.C.
60	Sumulong Taytay		MWSS
61	Cardinal Santos Medical Center		Wilson St., Q.C.
62	IBP # 3		MWSS
63	Latex City		Alabang Zapote Rd.
64	Goodyear Steel Pipe		128 Quirino Hi-Way Q.C.
65	Rubber World		328 Quirino Hi-Way Q.C.
66	IBP (July 13/91)		Quezon City
67	Manila Hotel		Roxas Blvd., Manila
68	BF Homes # 22 L.P.		Madrid St., Las Piñas
69	BF Homes # 1		Lalaiena Beth St., Pamplona
70	BF Homes # 9		Salomita St., Las Piñas, M.M.

TABLE (3) LOCATIONS AND NAMES OF WELLS FOR GROUNDWATER SAMPLING

ID NO.	NAME	WELL NO.	LOCATION
71	BF # 4 CRM		Manche St.. Almanza, Las Piñas
72	BF Homes # 7		Back of Chapel, Las Piñas
73	IBP Q.C.		
74	La Perla		Quirino Ave., Parañaque, M.M.
75	Hyatt Regency Hotel		Roxas Blvd., Manila
76	J.C. Aqua Marine		Parañaque, M.M.
77	Olivares Hospital		Sucat Rd. Parañaque, M.M.
78	Malayan Textile Mill		Sta. Ana Drive
79	Ireneville Subd.		South Super Hi-way Sunvalley Parañaque
80	Cogeo # 6 (Step Drawdown)		Cogeo, Antipolo
81	Cogeo ATP # 1		Cogeo, Antipolo
82	Cogeo # 6 (Constant Pump.)		Cogeo, Antipolo
83	La Huerla		MWSS Parañaque, M.M.
84	Maricaban Pump # 1		Pasay City
85	Liberty Flour Mills		Mandaluyong, M.M.
86	International Oil (Baguio Oil)		San Juan, M.M.
87	National Steel Corp.		Calauan Sur Pasig, M.M.
88	Makati Medical Center		Makati M.M.
89	Oscar Rodriguez		Denaro St., Caloocan City
90	Ramitex		Gen. Luis St., Caloocan City

6.3

RESULTS OF LABORATORY ANALYSIS

MAJOR ION ANALYSIS OF GROUNDWATER SAMPLES IN MSA

TABLE (1)

NAME	MWSS WELL NO.	DATE OF SAMPLING	T	EC	Na+		K+		Ca++		Mg++		Cations		CO 3 --		HCO 3 --		CL-		SO 4 --		Anions	
			C	MS/cm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm
1. LPS-1 WELL #2		Jan. 29, 91	32	760	128	5.57	17	0.44	14	0.70	9	0.74	-	7.44	0	0.00	251	4.11	56	1.58	23	0.48	-	6.17
2. LPS-1 WELL #3		Jan. 21, 91	30	39100	9700	421.74	232	5.95	1160	58.00	2290	188.48	-	674.17	0	0.00	292	4.79	17144	483.61	4250	88.50	-	576.90
3. LPS-2 WELL #3		Jan. 15, 91	29	37100	8125	353.26	339	8.69	1450	72.50	1409	115.97	-	550.42	0	0.00	365	5.98	21100	595.20	2500	52.10	-	653.28
4. URCI, LAS PINAS		Feb. 15, 91	31	880	68	2.96	18	0.46	61	3.05	21	1.73	-	8.20	0	0.00	377	6.18	25	0.71	11	0.23	-	7.11
5. MANUELA SUBD.		Feb. 15, 91	31	1190	100	4.35	15	0.38	75	3.75	18	1.48	-	9.96	0	0.00	411	6.74	62	1.75	31	0.65	-	9.13
6. LPS-2 WELL #2		Jan. 18, 91	32	14050	1595	69.35	164	4.21	951	47.55	268	22.06	-	143.16	0	0.00	239	3.92	4923	138.87	250	5.20	-	147.99
7. SAMONTE PARK WELL NO.1		Feb. 20, 91	25	1803	297	12.91	27	0.69	40	2.00	7	0.58	-	16.18	0	0.00	241	3.95	383	10.80	68	1.42	-	16.17
8. EJERCITO WELL		Feb. 20, 91	25	617	127	5.52	11	0.28	5	0.25	1	0.08	-	6.14	31	1.03	196	3.21	39	1.10	26	0.54	-	5.89
9. NOVELETA ELEM. SCHL.		Feb. 20, 91	25	536	110	4.78	14	0.36	7	0.35	3	0.25	-	5.74	0	0.00	246	4.03	28	0.79	23	0.48	-	5.30
10. NOVELETA, CAVITE NO. 2		Feb. 21, 91	34	680	114	4.96	13	0.33	6	0.32	4	0.33	-	5.92	36	1.20	128	2.10	37	1.04	28	0.58	-	4.93
11. NOVELETA CAVITE NO. 5		Feb. 21, 91	33	690	108	4.70	16	0.41	12	0.60	3	0.25	-	5.95	18	0.60	205	3.36	39	1.10	28	0.58	-	5.64
12. NOVELETA CAVITE NO. 8		Feb. 21, 91	35	710	118	5.13	13	0.33	4	0.20	3	0.25	-	5.91	18	0.60	178	2.92	40	1.13	29	0.60	-	5.25
13. NURSERY WELL NO. 4		Feb. 22, 91	27	361	15	0.65	5	0.13	47	2.35	10	0.82	-	3.95	0	0.00	142	2.33	32	0.90	9	0.19	-	3.42
14. SQUINSIN WELL NO. 10		Feb. 22, 91	27	566	20	0.87	1	0.03	67	3.35	26	2.14	-	6.39	0	0.00	292	4.79	25	0.71	26	0.54	-	6.03
15. COGEO ANTIPOLO		Feb. 20, 91	30	320	12	0.52	4	0.10	32	1.60	9	0.74	-	2.97	0	0.00	146	2.39	5	0.14	1	0.02	-	2.56
16. SAN JUAN PUMP STN		Feb. 25, 91	29	1143	74	3.22	8	0.21	118	5.90	25	2.06	-	11.38	0	0.00	200	3.28	167	4.71	157	3.27	-	11.26
17. BANGIAD PUMP STN.		Feb. 25, 91	30	420	79	3.43	4	0.10	8	0.40	4	0.33	-	4.27	23	0.77	137	2.25	17	0.48	26	0.54	-	4.03
18. STO. DOMINGO		Feb. 25, 91	30	1481	119	5.17	14	0.36	96	4.80	52	4.28	-	14.61	0	0.00	205	3.36	248	7.00	214	4.46	-	14.82
19. LPS-1 WELL #1		Feb. 27, 91	35	1240	182	7.91	0.3	0.01	12	0.60	1	0.08	-	8.60	23	0.77	58	0.95	221	6.23	77	1.60	-	9.56
20. NNL JAP SCHL.		Feb. 27, 91	32	820	139	6.04	17	0.44	12	0.60	4	0.33	-	7.41	27	0.90	321	5.26	32	0.90	12	0.25	-	7.31
21. AGUINALDO E/S WELL		Feb. 27, 91	34	710	115	5.00	14	0.36	7	0.35	5	0.41	-	6.12	31	1.03	160	2.62	40	1.13	33	0.69	-	5.47
22. QUEZON IBP #2		Feb. 28, 91	29	500	104	4.52	0.6	0.02	6	0.30	4	0.33	-	5.17	32	1.07	162	2.66	30	0.85	-2	0.04	-	4.61
23. FAIRVIEW PUMP NO. 3		Feb. 28, 91	28	640	123	5.35	0.4	0.01	7	0.35	4	0.33	-	6.04	59	1.97	140	2.30	40	1.13	1	0.02	-	5.41
24. LAGRO #1		Feb. 28, 91	30	580	117	5.09	0.5	0.01	10	0.50	1	0.08	-	5.68	26	0.87	243	3.98	7	0.20	2	0.04	-	5.09
25. NAWA DAM		Mar. 5, 91	27	340	18	0.78	4	0.10	34	1.70	5	0.41	-	3.00	0	0.00	122	2.00	9	0.25	17	0.35	-	2.61
26. SAN JOSE		Mar. 5, 91	29	350	21	0.91	4	0.10	32	1.60	4	0.33	-	2.94	0	0.00	165	2.70	10	0.28	8	0.17	-	3.15
27. SAN MATEO PUBLIC MKT.		Mar. 5, 91	28	460	36	1.57	3.5	0.09	40	2.00	6	0.49	-	4.15	0	0.00	210	3.44	16	0.45	8	0.17	-	4.06
28. LPS-2 WELL #1		Mar. 6, 91	35	1190	166	7.22	9	0.23	5	0.25	1	0.08	-	7.78	8	0.27	85	1.39	162	4.57	80	1.67	-	7.90
29. COMBALAY, KAWIT		Mar. 6, 91	33	690	116	5.04	13	0.33	2	0.10	1	0.08	-	5.56	8	0.27	198	3.25	37	1.04	29	0.60	-	5.16

TABLE (2)

NAME	MWSS WELL NO.	DATE OF SAMPLING	T	EC	NA+		K+		Ca++		Mg++		Cations		CO 3 --		HCO 3 --		CL-		SO 4 --		Anions	
			C	MS/cm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm
30. PLAZA GARCIA IHUS		Mar. 6, 91	34	690	115	5.00	13	0.33	5	0.25	0.7	0.06	-	5.64	23	0.77	182	2.98	35	0.99	19	0.40	-	5.13
31. GREENMEADOW #3		Mar. 7, 91	30	660	83	3.61	9.5	0.24	18	0.90	4	0.33	-	5.08	0	0.00	146	2.39	90	2.54	4	0.08	-	5.02
32. KAPITOLYO PASIG		Mar. 7, 91	30	560	44	1.91	22	0.56	30	1.50	8	0.66	-	4.64	0	0.00	220	3.61	45	1.27	6	0.13	-	5.00
33. ESCOPA PROJ. 4		Mar. 7, 91	31	450	48	2.09	9	0.23	18	0.90	6	0.49	-	3.71	0	0.00	196	3.21	12	0.34	2	0.04	-	3.59
34. CATMON DEEPWELL		Mar. 11, 91	33	460	92	4.00	3	0.08	2	0.10	0.7	0.06	-	4.23	23	0.77	127	2.08	25	0.71	13	0.27	-	3.82
35. POSOLO ELEM SCHL.		Mar. 11, 91	32	420	87	3.78	5	0.13	2	0.10	0.7	0.06	-	4.07	26	0.87	129	2.11	14	0.39	2	0.04	-	3.42
36. T. DE LEON WELL		Mar. 11, 91	32	450	89	3.87	5	0.13	4	0.20	1	0.08	-	4.28	18	0.60	168	2.75	14	0.39	1	0.02	-	3.77
37. BAHABA AMPID		Mar. 12, 91	28	440	48	2.09	7	0.18	40	2.00	5	0.41	-	4.68	0	0.00	155	2.54	30	0.85	21	0.44	-	3.82
38. EVER ELCT. MNFG. INC.		Mar. 12, 91	28	604	76	3.30	12	0.31	24	1.20	4	0.33	-	5.14	0	0.00	192	3.15	77	2.17	16	0.33	-	5.65
39. HAMSSON PAPER PHIL.		Mar. 12, 91	31	390	25	1.09	6	0.15	38	1.90	8	0.66	-	3.80	0	0.00	168	2.75	19	0.54	9	0.19	-	3.48
40. LPS-3 WELL #1		Mar. 13, 91	34	780	121	5.26	10	0.26	4	0.20	1	0.08	-	5.80	18	0.60	137	2.25	76	2.14	40	0.83	-	5.82
41. BO. TALABA		Mar. 13, 91	32	1030	137	5.96	33	0.85	18	0.90	2	0.16	-	7.87	0	0.00	223	3.66	123	3.47	20	0.42	-	7.54
42. MAGA WELL #2		Mar. 13, 91	31	2000	183	7.96	35	0.90	73	3.65	21	1.73	-	14.23	0	0.00	246	4.03	274	7.73	46	0.96	-	12.72
43. ATP JICA TEST WELL		Mar. 14, 91	28	490	48	2.09	6	0.15	47	2.35	9	0.74	-	5.33	0	0.00	242	3.97	12	0.34	2	0.04	-	4.35
44. SUCAT E/S		Mar. 18, 91	31	1390	180	7.83	15	0.38	52	2.60	14	1.15	-	11.96	0	0.00	342	5.61	144	4.06	65	1.35	-	11.02
45. ALABANG JUNCTION		Mar. 18, 91	30	750	103	4.48	9	0.23	24	1.20	6	0.49	-	6.40	0	0.00	301	4.93	15	0.42	30	0.63	-	5.98
46. MUNTINLUPA BLISS		Mar. 18, 91	29	740	58	2.52	8	0.21	47	2.35	17	1.40	-	6.48	0	0.00	288	4.72	28	0.79	34	0.71	-	6.22
47. MERVILLE SUBDV.		Mar. 20, 91	33	530	88	3.83	1.6	0.04	4	0.20	1	0.02	-	4.15	0	0.00	118	1.93	47	1.33	32	0.67	-	3.93
48. DAGAT-DAGATAN #1		Mar. 20, 91	30	600	106	4.61	4	0.10	5	0.25	5	0.41	-	5.37	0	0.00	73	1.20	72	2.03	25	0.52	-	3.75
49. TALISAY ST. FORBES PARK		Mar. 19, 91	31	610	40	1.74	16	0.41	25	1.25	33	2.72	-	6.12	0	0.00	241	3.95	17	0.48	16	0.33	-	4.76
50. ECOLOGY VILLAGE		Mar. 19, 91	30	610	50	2.17	17	0.44	24	1.20	27	2.22	-	6.03	0	0.00	273	4.48	16	0.45	10	0.21	-	5.14
51. SIGNAL VILLAGE		Mar. 19, 91	29	700	45	1.96	13	0.33	42	2.10	31	2.55	-	6.94	0	0.00	281	4.61	12	0.34	42	0.88	-	5.82
52. SILVER SWAN MA.		Jul. 2, 91	25	861	160	6.96	10	0.26	14	0.70	4	0.33	-	8.24	0	0.00	155	2.54	173	4.88	16	0.33	-	7.75
53. WANSON PAPER IND.		Jul. 2, 91	25	344	60	2.61	6	0.15	8	0.40	1	0.08	-	3.24	8	0.27	143	2.34	20	0.56	5	0.10	-	3.28
54. QUEZON INSTITUTE		Jul. 3, 91	27	343	68	2.96	3	0.08	4	0.20	3	0.25	-	3.48	13	0.43	88	1.44	26	0.73	28	0.58	-	3.19
55. WORLD PAPER MILLS		Jul. 3, 91	27	355	50	2.17	10	0.26	14	0.70	6	0.49	-	3.62	23	0.77	113	1.85	20	0.56	3	0.06	-	3.25
56. FAROLA ICE COLD		Jul. 5, 91	25	1174	180	7.83	14	0.36	29	1.45	3	0.25	-	9.88	13	0.43	46	0.75	221	6.23	97	2.02	-	9.44
57. PROCTER & GAMBLE		Jul. 5, 91	25	736	130	5.65	8	0.21	11	0.55	3	0.25	-	6.65	23	0.77	63	1.03	138	3.89	20	0.42	-	6.11
58. STA. TERESITA COLLEGE		Jul. 8, 91	24	536	38	1.65	16	0.41	34	1.70	22	1.81	-	5.57	0	0.00	228	3.74	39	1.10	19	0.40	-	5.23
59. INMOTECH		Jul. 8, 91	24	404	16	0.70	10	0.26	40	2.00	16	1.32	-	4.27	0	0.00	200	3.28	31	0.87	3	0.06	-	4.22

TABLE (3)

NAME	MWSS WELL NO.	DATE OF SAMPLING	T	EC	Na+		K+		Ca++		Mg++		Cations		CO 3 --		HCO 3 --		CL-		SO 4 --		Anions	
			C	MS/cm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm	ppm	epm
60. SUNULONG TAYTAY		Jul. 8, 91	24	972	155	6.74	1	0.03	39	1.95	5	0.41	-	9.13	0	0.00	96	1.57	140	3.95	149	3.10	-	8.63
61. CARDINAL SANTOS		Jul. 10, 91	24	397	48	2.09	1	0.03	20	1.00	10	0.82	-	3.94	0	0.00	205	3.36	20	0.56	7	0.15	-	4.07
62. IBP NO. 3		Jul. 10, 91	24	202	12	0.52	3	0.08	20	1.00	8	0.66	-	2.26	0	0.00	100	1.64	20	0.56	6	0.13	-	2.33
63. LATEX CITY		Jul. 12, 91	25	16930	1150	50.00	45	1.15	1640	82.00	283	23.29	-	156.45	0	0.00	305	5.00	5672	160.00	456	9.50	-	174.50
64. GOODYEAR STEEL		Jul. 15, 91	25	362	48	2.09	5	0.13	18	0.90	6	0.49	-	3.61	0	0.00	142	2.33	18	0.51	20	0.42	-	3.25
65. RUBBER WORLD		Jul. 15, 91	25	485	54	2.35	6	0.15	26	1.30	14	1.15	-	4.95	13	0.43	201	3.30	24	0.68	11	0.23	-	4.63
66. IBP (JULY 13,91)		Jul. 17, 91	25	182	12	0.52	3	0.08	16	0.80	8	0.66	-	2.06	0	0.00	87	1.43	18	0.51	0	0.00	-	1.93
67. MANILA HOTEL		Jul. 17, 91	25	560	115	5.00	4	0.10	5	0.25	2	0.16	-	5.52	0	0.00	73	1.20	63	1.78	128	2.67	-	5.64
68. BF HOMES # 22		Jul. 19, 91	25	630	93	4.04	17	0.44	9	0.45	8	0.66	-	5.59	0	0.00	255	4.18	55	1.55	23	0.48	-	6.21
69. BF HOMES # 1		Jul. 19, 91	25	576	89	3.87	17	0.44	16	0.80	10	0.82	-	5.93	0	0.00	228	3.74	40	1.13	25	0.52	-	5.39
70. BF HOMES # 9		Jul. 23, 91	25	605	100	4.35	17	0.44	20	1.00	8	0.66	-	6.44	0	0.00	220	3.61	42	1.18	5	0.10	-	4.90
71. BF HOMES # 4		Jul. 23, 91	25	600	100	4.35	15	0.38	10	0.50	2	0.16	-	5.40	0	0.00	215	3.52	53	1.50	6	0.13	-	5.14
72. BF HOMES # 7		Jul. 24, 91	25	575	99	4.30	14	0.36	11	0.55	1	0.08	-	5.30	0	0.00	155	2.54	63	1.78	43	0.90	-	5.21
73. IBP Q.C.		Jul. 18, 91	25	237	19	0.83	2	0.05	26	1.30	4	0.33	-	2.51	0	0.00	132	2.16	15	0.42	3	0.06	-	2.65
74. LA PERLA		Jul. 26, 91	25	2060	315	13.70	30	0.77	32	1.60	17	1.40	-	17.46	0	0.00	237	3.89	418	11.79	58	1.21	-	16.88
75. HYATT REGENCY		Jul. 26, 91	25	1733	200	8.70	40	1.03	53	2.65	20	1.65	-	14.02	0	0.00	268	4.39	201	5.67	91	1.90	-	11.96
76. J.C. AQUA MARINE		Jul. 29, 91	23	1819	260	11.30	20	0.51	15	0.75	11	0.91	-	13.47	40	1.33	92	1.51	343	9.68	48	1.00	-	13.52
77. OLIVAREZ HOSPITAL		Jul. 29, 91	23	1568	210	9.13	21	0.54	47	2.35	37	3.05	-	15.06	31	1.03	365	5.98	135	3.81	184	3.83	-	14.66
78. MALAYAN TEXTILE		Jul. 31, 91	25	635	47	2.04	20	0.51	40	2.00	20	1.65	-	6.20	0	0.00	304	4.98	11	0.31	1	0.02	-	5.31
79. IRENEVILL SUBD.		Jul. 31, 91	25	605	85	3.70	20	0.51	21	1.05	10	0.82	-	6.08	0	0.00	281	4.61	18	0.51	3	0.06	-	5.18
80. COGEO # 6(STEP)		Aug. 6, 91	25	433	10	0.43	3	0.08	41	2.05	25	2.06	-	4.62	0	0.00	155	2.54	33	0.93	4	0.08	-	3.56
81. COGEO #1		Aug. 6, 91	25	478	11	0.48	3	0.08	48	2.40	27	2.22	-	5.16	0	0.00	244	4.00	22	0.62	2	0.04	-	4.66
82. COGEO#6(CPI)		Aug. 6, 91	25	448	7	0.30	1	0.03	51	2.55	24	1.98	-	4.86	0	0.00	238	3.90	20	0.56	3	0.06	-	4.53
83. LA HUERTA		Aug. 7, 91	25	848	50	2.17	13	0.33	73	3.65	27	2.22	-	8.38	0	0.00	366	6.00	42	1.18	1	0.02	-	7.21
84. MARICABBAN PUMP		Aug. 7, 91	26	960	154	6.70	30	0.77	12	0.60	7	0.58	-	8.64	0	0.00	317	5.20	112	3.16	1	0.01	-	8.37
85. LIBERTY FLOUR MILLS		Aug. 9, 91	26	592	70	3.04	25	0.64	8	0.40	8	0.66	-	4.74	0	0.00	181	2.97	66	1.86	1	0.01	-	4.84
86. INTERNATIONAL OIL		Aug. 9, 91	26	951	90	3.91	13	0.33	47	2.35	33	2.72	-	9.31	0	0.00	268	4.39	147	4.15	1	0.01	-	8.55
87. NATIONAL STEEL		Aug. 12, 91	26	1915	300	13.04	40	1.03	36	1.80	22	1.81	-	17.68	0	0.00	107	1.75	457	12.89	120	2.50	-	17.15
88. MAKATI MED. CENTER		Aug. 12, 91	26	880	100	4.35	30	0.77	28	1.40	11	0.91	-	7.42	0	0.00	244	4.00	88	2.48	45	0.94	-	7.42
89. OSCAR RODRIGUEZ		Aug. 14, 91	26	406	12	0.52	6	0.15	41	2.05	19	1.58	-	4.29	0	0.00	221	3.62	18	0.51	3	0.06	-	4.19
90. RANITEX		Aug. 14, 91	26	370	40	1.74	5	0.13	24	1.20	7	0.58	-	3.64	0	0.00	184	3.02	18	0.51	6	0.13	-	3.65

MAJOR ION ANALYSIS OF GROUNDWATER SAMPLES IN MSA

NAME	MWSS WELL NO.	DATE OF SAMPLING	Na+K+	Ca++	Mg++	CO3--+HCO3-	Cl-	SO 4 --
			%	%	%	%	%	%
1. LPS-1 WELL #2		Jan. 29, 91	0.81	0.09	0.10	0.67	0.26	0.08
2. LPS-1 WELL #3		Jan. 21, 91	0.63	0.09	0.28	0.01	0.84	0.15
3. LPS-2 WELL #3		Jan. 15, 91	0.66	0.13	0.21	0.01	0.91	0.08
4. URCI, LAS PINAS		Feb. 15, 91	0.42	0.37	0.21	0.87	0.10	0.03
5. MANUELA SUBD.		Feb. 15, 91	0.47	0.38	0.15	0.74	0.19	0.07
6. LPS-2 WELL #2		Jan. 18, 91	0.51	0.33	0.15	0.03	0.94	0.04
7. SAMONTE PARK WELL NO.1		Feb. 20, 91	0.84	0.12	0.04	0.24	0.67	0.09
8. EJERCITO WELL		Feb. 20, 91	0.94	0.04	0.01	0.72	0.19	0.09
9. NOVELETA ELEM. SCHL.		Feb. 20, 91	0.90	0.06	0.04	0.76	0.15	0.09
10.NOVELETA, CAVITE NO. 2		Feb. 21, 91	0.89	0.05	0.06	0.67	0.21	0.12
11.NOVELETA CAVITE NO. 5		Feb. 21, 91	0.86	0.10	0.04	0.70	0.20	0.10
12.NOVELETA CAVITE NO. 8		Feb. 21, 91	0.92	0.03	0.04	0.67	0.22	0.11
13.NURSERY WELL NO. 4		Feb. 22, 91	0.20	0.59	0.21	0.68	0.26	0.06
14.SQUIBSIN WELL NO. 10		Feb. 22, 91	0.14	0.52	0.33	0.79	0.12	0.09
15.COGEO ANTIPOLO		Feb. 20, 91	0.21	0.54	0.25	0.93	0.05	0.01
16.SAN JUAN PUMP STN		Feb. 25, 91	0.30	0.52	0.18	0.29	0.42	0.29
17.BANGIAD PUMP STN.		Feb. 25, 91	0.83	0.09	0.08	0.75	0.12	0.13
18.STO. DOMINGO		Feb. 25, 91	0.38	0.33	0.29	0.23	0.47	0.30
19.LPS-1 WELL #1		Feb. 27, 91	0.92	0.07	0.01	0.18	0.65	0.17
20.MWI JAP SCHL.		Feb. 27, 91	0.87	0.08	0.04	0.84	0.12	0.03
21.AGUINALDO E/S WELL		Feb. 27, 91	0.88	0.06	0.07	0.67	0.21	0.13
22.QUEZON IBP #2		Feb. 28, 91	0.88	0.06	0.06	0.81	0.18	0.01
23.FAIRVIEW PUMP NO. 3		Feb. 28, 91	0.89	0.06	0.05	0.79	0.21	0.00
24.LAGRO #1		Feb. 28, 91	0.90	0.09	0.01	0.95	0.04	0.01
25.WAWA DAM		Mar. 5, 91	0.29	0.57	0.14	0.77	0.10	0.13
26.SAN JOSE		Mar. 5, 91	0.34	0.54	0.11	0.86	0.09	0.05
27.SAN MATEO PUBLIC MKT.		Mar. 5, 91	0.40	0.48	0.12	0.85	0.11	0.04
28.LPS-2 WELL #1		Mar. 6, 91	0.96	0.03	0.01	0.21	0.58	0.21
29.COMBALAY, KAWIT		Mar. 6, 91	0.97	0.02	0.01	0.68	0.20	0.12
30.PLAZA GARCIA IMUS		Mar. 6, 91	0.95	0.04	0.01	0.73	0.19	0.08
31.GREENMEADOW #3		Mar. 7, 91	0.76	0.18	0.06	0.48	0.51	0.02
32.KAPITOLYO PASIG		Mar. 7, 91	0.53	0.32	0.14	0.72	0.25	0.03
33.ESCOPA PROJ. 4		Mar. 7, 91	0.63	0.24	0.13	0.89	0.09	0.01
34.CATMON DEEPWELL		Mar. 11, 91	0.96	0.02	0.01	0.75	0.19	0.07
35.POSOLO ELEM SCHL.		Mar. 11, 91	0.96	0.02	0.01	0.87	0.11	0.01
36.T. DE LEON WELL		Mar. 11, 91	0.93	0.05	0.02	0.89	0.10	0.01
37.BANABA AMPID		Mar. 12, 91	0.49	0.43	0.09	0.66	0.22	0.12
38.EVER ELCT. MNFG. INC.		Mar. 12, 91	0.70	0.23	0.06	0.56	0.38	0.06
39.HANSSON PAPER PHIL.		Mar. 12, 91	0.33	0.50	0.17	0.79	0.16	0.05
40.LPS-3 WELL #1		Mar. 13, 91	0.95	0.03	0.01	0.49	0.37	0.14
41.BO. TALABA		Mar. 13, 91	0.87	0.11	0.02	0.49	0.46	0.06
42.NAGA WELL #2		Mar. 13, 91	0.62	0.26	0.12	0.32	0.61	0.08
43.ATP JICA TEST WELL		Mar. 14, 91	0.42	0.44	0.14	0.91	0.08	0.01
44.SUCAT E/S		Mar. 18, 91	0.69	0.22	0.10	0.51	0.37	0.12
45.ALABANG JUNCTION		Mar. 18, 91	0.74	0.19	0.08	0.82	0.07	0.11
46.MUNTINLUPA BLISS		Mar. 18, 91	0.42	0.36	0.22	0.76	0.13	0.11
47.MERVILLE SUBDV.		Mar. 20, 91	0.93	0.05	0.00	0.49	0.34	0.17
48.DAGAT-DAGATAN #1		Mar. 20, 91	0.88	0.05	0.08	0.32	0.54	0.14
49.TALISAY ST. FORBES PARK		Mar. 19, 91	0.35	0.20	0.44	0.83	0.10	0.07
50.ECOLOGY VILLAGE		Mar. 19, 91	0.43	0.20	0.37	0.87	0.09	0.04
51.SIGNAL VILLAGE		Mar. 19, 91	0.33	0.30	0.37	0.79	0.06	0.15
52.SILVER SWAN MA.		Jul. 2, 91	0.88	0.08	0.04	0.33	0.63	0.04

MAJOR ION ANALYSIS OF GROUNDWATER SAMPLES IN MSA

NAME	MWSS WELL NO.	DATE OF SAMPLING	Na+K+	Ca++	Mg++	CO3--+HCO3-	Cl-	SO 4 --
			%	%	%	%	%	%
53.VANSON PAPER IND.		Jul. 2, 91	0.85	0.12	0.02	0.80	0.17	0.03
54.QUEZON INSTITUTE		Jul. 3, 91	0.87	0.06	0.07	0.59	0.23	0.18
55.WORLD PAPER MILLS		Jul. 3, 91	0.67	0.19	0.14	0.81	0.17	0.02
56.FAROLA ICE COLD		Jul. 5, 91	0.83	0.15	0.03	0.13	0.66	0.21
57.PROCTER & GAMBLE		Jul. 5, 91	0.88	0.08	0.04	0.29	0.64	0.07
58.STA. TERESITA COLLEGE		Jul. 8, 91	0.37	0.31	0.32	0.72	0.21	0.08
59.INNOTECH		Jul. 8, 91	0.22	0.47	0.31	0.78	0.21	0.01
60.SUMULONG TAYTAY		Jul. 8, 91	0.74	0.21	0.04	0.18	0.46	0.36
61.CARDINAL SANTOS		Jul. 10, 91	0.54	0.25	0.21	0.83	0.14	0.04
62.IBP NO. 3		Jul. 10, 91	0.27	0.44	0.29	0.70	0.24	0.06
63.LATEX CITY		Jul. 12, 91	0.33	0.52	0.15	0.03	0.92	0.05
64.GOODYEAR STEEL		Jul. 15, 91	0.61	0.25	0.14	0.72	0.16	0.13
65.RUBBER WORLD		Jul. 15, 91	0.51	0.26	0.23	0.71	0.15	0.05
66.IBP (JULY 13,91)		Jul. 17, 91	0.29	0.39	0.32	0.74	0.26	0.00
67.MANILA HOTEL		Jul. 17, 91	0.92	0.05	0.03	0.21	0.32	0.47
68.BF HOMES # 22		Jul. 19, 91	0.80	0.08	0.12	0.67	0.25	0.08
69.BF HOMES # 1		Jul. 19, 91	0.73	0.13	0.14	0.69	0.21	0.10
70.BF HOMES # 9		Jul. 23, 91	0.74	0.16	0.10	0.74	0.24	0.02
71.BF HOMES # 4		Jul. 23, 91	0.88	0.09	0.03	0.68	0.29	0.03
72.BF HOMES # 7		Jul. 24, 91	0.88	0.10	0.02	0.49	0.34	0.17
73.IBP Q.C.		Jul. 18, 91	0.35	0.52	0.13	0.82	0.16	0.02
74.LA PERLA		Jul. 26, 91	0.83	0.09	0.08	0.23	0.70	0.07
75.HYATT REGENCY		Jul. 26, 91	0.69	0.19	0.12	0.37	0.47	0.16
76.J.C. AQUA MARINE		Jul. 29, 91	0.88	0.06	0.07	0.21	0.72	0.07
77.OLIVAREZ HOSPITAL		Jul. 29, 91	0.64	0.16	0.20	0.48	0.26	0.26
78.MALAYAN TEXTILE		Jul. 31, 91	0.41	0.32	0.27	0.94	0.06	0.00
79.IRENEVILL SUBD.		Jul. 31, 91	0.69	0.17	0.13	0.89	0.10	0.01
80.COGEO # 6(STEP)		Aug. 6, 91	0.11	0.44	0.45	0.71	0.26	0.02
81.COGEO #1		Aug. 6, 91	0.11	0.47	0.43	0.86	0.13	0.01
82.COGEO#6(CPT)		Aug. 6, 91	0.07	0.52	0.41	0.86	0.12	0.01
83.LA HUERTA		Aug. 7, 91	0.30	0.44	0.26	0.83	0.16	0.00
84.MARICABAN PUMP		Aug. 7, 91	0.86	0.07	0.07	0.62	0.38	0.00
85.LIBERTY FLOUR MILLS		Aug. 9, 91	0.78	0.08	0.14	0.61	0.38	0.00
86.INTERNATIONAL OIL		Aug. 9, 91	0.46	0.25	0.29	0.51	0.49	0.00
87.NATIONAL STEEL		Aug. 12, 91	0.80	0.10	0.10	0.10	0.75	0.15
88.MAKATI MED. CENTER		Aug. 12, 91	0.69	0.19	0.12	0.54	0.33	0.13
89.OSCAR RODRIGUEZ		Aug. 14, 91	0.16	0.48	0.37	0.86	0.12	0.01
90.RAMITEZ		Aug. 14, 91	0.51	0.33	0.16	0.83	0.14	0.04

Water Quality Data
1st Sampling Per
Jan. 29 ~ Mar. 12, '91

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 85-32-61 local 235

Sample Laboratory No. : 159
Sample Source : WELL NO. 2/LPS-1, (Sample No 1)
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : January 29,1991
Receipt : February 13,1991
Examination : February 13,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	32.0	pH	7.1
Turbidity(units)	1.25	Spe.Cond.(micromhos/cm)	760.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	206.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	23.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	32.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	128.0	5.57	Carbonate	0.0	0.00
Potassium	17.0	0.44	Bicarbonate	251.0	4.11
Calcium	14.0	0.70	Chloride	56.0	1.58
Magnesium	9.0	0.74	Sulfate	23.0	0.48
Total Cations		7.44	Total Anions		6.17

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.60
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.20
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 160
Sample Source : WELL NO. 3/LPS-1
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : January 21,1991
Receipt : February 13,1991
Examination : February 13,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 6.8
Turbidity(units)	: 74.50	Spe.Cond.(micromhos/cm)	: 38100.0
Color(units)	: 75.0	Alkalinity(mg/l, CaCO3)	: 238.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 2325.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 5024.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 9700.0	421.74	Carbonate	: 0.0	0.00
Potassium	: 232.0	5.95	Bicarbonate	: 292.0	4.79
Calcium	: 1160.0	58.00	Chloride	: 17144.0	483.61
Magnesium	: 2290.0	188.48	Sulfate	: 4,250.0	88.50
Total Cations	:	674.17	Total Anions	:	576.90

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 5.00
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 15.00
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: TURBIDITY, COLOR, HARDNESS, CALCIUM, MAGNESIUM, CHLORIDE, IRON, MANGANESE, SULFATE

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 161
Sample Source : WELL NO. 3/LPS-2
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : January 15,1991
Receipt : February 13,1991
Examination : February 13,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 29.0	pH	: 7.1
Turbidity(units)	: 0.80	Spe.Cond.(micromhos/cm)	: 37100.0
Color(units)	: 7.5	Alkalinity(mg/l, CaCO3)	: 299.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 9425.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 3744.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 8125.0	353.26	Carbonate	: 0.0	0.00
Potassium	: 339.0	8.69	Bicarbonate	: 365.0	5.98
Calcium	: 1450.0	72.50	Chloride	: 21100.0	595.20
Magnesium	: 1409.0	115.97	Sulfate	: 2500.0	52.10
Total Cations	:	550.42	Total Anions	:	653.28

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 3.90
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 15.00
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR, HARDNESS, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE, IRON, MANGANESE, SULFATE

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 171
Sample Source : SAMPLE NO. 4
Location : URCI, LAS PINAS
Submitted by : JICA
Date of -
Collection : February 15,1991
Receipt : February 15,1991
Examination : February 15,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	31.0	pH	7.8
Turbidity(units)	0.75	Spe.Cond.(micromhos/cm)	880.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	309.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	239.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	563.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	68.0	2.96	Carbonate	0.0	0.00
Potassium	18.0	0.46	Bicarbonate	377.0	6.18
Calcium	61.0	3.05	Chloride	25.0	0.71
Magnesium	21.0	1.73	Sulfate	11.0	0.23
Total Cations		8.20	Total Anions		7.11

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.80
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : [signature]

[signature]
Analyst

3-22-91
Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 172
Sample Source : SAMPLE NO. 5
Location : MANUELA SUBDV., LAS PINAS
Submitted by : JICA
Date of -
Collection : February 15,1991
Receipt : February 15,1991
Examination : February 15,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	31.0	pH	7.6
Turbidity(units)	2.40	Spe.Cond.(micromhos/cm)	1190.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	337.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	261.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	762.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	100.0	4.35	Carbonate	0.0	0.00
Potassium	15.0	0.38	Bicarbonate	411.0	6.74
Calcium	75.0	3.75	Chloride	62.0	1.75
Magnesium	18.0	1.48	Sulfate	31.0	0.65
Total Cations		9.96	Total Anions		9.13

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.60
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 173
Sample Source : SAMPLE NO. 6 LFS-2 Well No. 2
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : January 18, 1991
Receipt : February 15, 1991
Examination : February 15, 1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 32.0	pH	: 6.9
Turbidity(units)	: 2.50	Spe.Cond.(micromhos/cm)	: 14050.0
Color(units)	: 7.5	Alkalinity(mg/l, CaCO3)	: 196.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 3480.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 8892.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 1595.0	69.35	Carbonate	: 0.0	0.00
Potassium	: 164.0	4.21	Bicarbonate	: 239.0	3.92
Calcium	: 951.0	47.55	Chloride	: 4923.0	138.87
Magnesium	: 268.0	22.06	Sulfate	: 250.0	5.20
Total Cations	:	143.16	Total Anions	:	147.99

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 3.20
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 12.50
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR, HARDNESS, CALCIUM, MAGNESIUM, CHLORIDE, IRON, MANGANESE, SULFATE

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 203
Sample Source : SAMONTE PARK WELL NO.1
Location : CAVITE CITY
Submitted by : JICA
Date of -
Collection : February 20,1991
Receipt : February 20,1991
Examination : February 20,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 25.0	pH	: 7.4
Turbidity(units)	: 0.70	Spc.Cond.(micromhos/cm)	: 1803.0
Color(units)	: 5.0	Alkalinity(mg/l, CaCO3)	: 198.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 126.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 1154.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	297.0	12.91	Carbonate	0.0	0.00
Potassium	27.0	0.69	Bicarbonate	241.0	3.95
Calcium	40.0	2.00	Chloride	383.0	10.80
Magnesium	7.0	0.58	Sulfate	68.0	1.42
Total Cations		16.18	Total Anions		16.17

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.60
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 204
Sample Source : EJERCITO WELL(SAMPLE NO. 8)
Location : CAVITE CITY
Submitted by : JICA
Date of -
Collection : February 20,1991
Receipt : February 20,1991
Examination : February 20,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHENICAL ANALYSIS

Temperature(C)	: 25.0	pH	: 8.1
Turbidity(units)	: 0.65	Spe.Cond.(micromhos/cm)	: 617.0
Color(units)	: 12.5	Alkalinity(mg/l, CaCO3)	: 213.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 15.0
Total Solids(mg/l)	: N.A	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 395.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 127.0	5.52	Carbonate	: 31.0	1.03
Potassium	: 11.0	0.28	Bicarbonate	: 196.0	3.21
Calcium	: 5.0	0.25	Chloride	: 39.0	1.10
Magnesium	: 1.0	0.08	Sulfate	: 28.0	0.54
Total Cations	:	6.14	Total Anions	:	5.89

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.60
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 0.50
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : _____ _____ 3-22-91
Analyst Date

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Tel. No. 95-32-61 local 235

Sample Laboratory No. : 205
Sample Source : SAMPLE NO. 9
Location : NOVELETA ELEM. SCHOOL
Submitted by : JICA
Date of -
Collection : February 20,1991
Receipt : February 20,1991
Examination : February 20,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 25.0	pH	: 7.6
Turbidity(units)	: 0.64	Spe.Cond.(micromhos/cm)	: 536.0
Color(units)	: 5.0	Alkalinity(mg/l, CaCO3)	: 202.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 30.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 343.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 110.0	4.78	Carbonate	: 0.0	0.00
Potassium	: 14.0	0.36	Bicarbonate	: 246.0	4.03
Calcium	: 7.0	0.35	Chloride	: 28.0	0.79
Magnesium	: 3.0	0.25	Sulfate	: 23.0	0.48
Total Cations	:	5.74	Total Anions	:	5.30

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.80
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 0.10
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CHS

Analyst

3-22-91
Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 217
Sample Source : WELL NO. 2 /0
Location : NOVELETA, CAVITE
Submitted by : JICA
Date of -
Collection : February 21, 1991
Receipt : February 21, 1991
Examination : February 21, 1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 34.0	pH	: 8.4
Turbidity(units)	: 0.77	Spe.Cond.(micromhos/cm)	: 680.0
Color(units)	: 7.5	Alkalinity(mg/l, CaCO3)	: 185.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 30.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 435.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 114.0	4.96	Carbonate	: 36.0	1.20
Potassium	: 13.0	0.33	Bicarbonate	: 128.0	2.10
Calcium	: 6.0	0.30	Chloride	: 37.0	1.04
Magnesium	: 4.0	0.33	Sulfate	: 28.0	0.58
Total Cations	:	5.92	Total Anions	:	4.93

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.50
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : CHS

Analyst

3-22-91
Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 216
Sample Source : WELL NO. 5 //
Location : NOVELETA, CAVITE
Submitted by : JICA
Date of -
Collection : February 21,1991
Receipt : February 21,1991
Examination : February 21,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 33.0	pH	: 8.0
Turbidity(units)	: 0.65	Spe.Cond.(micromhos/cm)	: 690.0
Color(units)	: 10.0	Alkalinity(mg/l, CaCO3)	: 198.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 42.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 442.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 108.0	4.70	Carbonate	: 18.0	0.60
Potassium	: 16.0	0.41	Bicarbonate	: 205.0	3.36
Calcium	: 12.0	0.60	Chloride	: 38.0	1.10
Magnesium	: 3.0	0.25	Sulfate	: 28.0	0.58
Total Cations	:	5.95	Total Anions	:	5.64

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: NIL
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : _____ Analyst _____ 3-22-91 Date

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WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 215
Sample Source : WELL NO. 8 12
Location : NOVELETA, CAVITE
Submitted by : JICA
Date of -
Collection : February 21,1991
Receipt : February 21,1991
Examination : February 21,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 35.0	pH	: 8.5
Turbidity(units)	: 0.88	Spe.Cond.(micromhos/cm)	: 710.0
Color(units)	: 10.0	Alkalinity(mg/l, CaCO3)	: 176.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 21.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 454.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 118.0	5.13	Carbonate	: 18.0	0.60
Potassium	: 13.0	0.33	Bicarbonate	: 178.0	2.92
Calcium	: 4.0	0.20	Chloride	: 40.0	1.13
Magnesium	: 3.0	0.25	Sulfate	: 29.0	0.60
Total Cations	:	5.91	Total Anions	:	5.25

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: NIL
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : [signature]

[signature]
Analyst

3-22-91
Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-81 local 235

/3

Sample Laboratory No. : 218
Sample Source : NURSERY WELL NO. 4
Location : ANTIPOLO
Submitted by : JICA
Date of -
Collection : February 22,1991
Receipt : February 22,1991
Examination : February 22,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 27.0	pH	: 6.4
Turbidity(units)	: 0.74	Spe.Cond.(micromhos/cm)	: 381.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 116.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 159.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 231.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	15.0	0.65	Carbonate	0.0	0.00
Potassium	5.0	0.13	Bicarbonate	142.0	2.33
Calcium	47.0	2.35	Chloride	32.0	0.90
Magnesium	10.0	0.82	Sulfate	9.0	0.19
Total Cations		3.95	Total Anions		3.42

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH

Noted : [signature]

[signature]
Analyst

3-22-91
Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 220
Sample Source : SQUINSIN WELL NO. 10 /4
Location : ANTIPOLO
Submitted by : JICA
Date of -
Collection : February 22,1991
Receipt : February 22,1991
Examination : February 22,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 27.0	pH	: 6.5
Turbidity(units)	: 0.80	Spe.Cond.(micromhos/cm)	: 566.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 239.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 276.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 362.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 20.0	0.87	Carbonate	: 0.0	0.00
Potassium	: 1.0	0.03	Bicarbonate	: 292.0	4.78
Calcium	: 67.0	3.35	Chloride	: 25.0	0.71
Magnesium	: 26.0	2.14	Sulfate	: 28.0	0.54
Total Cations	:	6.39	Total Anions	:	6.03

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.10
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CLF

Analyst

3-22-91
Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 219
Sample Source : PUMP NO. 2
Location : COGEO, ANTIPOLO /S
Submitted by : JICA
Date of -
Collection : February 20,1991
Receipt : February 22,1991
Examination : February 22,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	30.0	pH	6.8
Turbidity(units)	1.30	Spe.Cond.(micromhos/cm)	320.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	120.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	120.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	205.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	12.0	0.52	Carbonate	0.0	0.00
Potassium	4.0	0.10	Bicarbonate	146.0	2.39
Calcium	32.0	1.60	Chloride	5.0	0.14
Magnesium	9.0	0.74	Sulfate	1.0	0.02
Total Cations		2.97	Total Anions		2.56

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tél. No. 95-32-61 local 235

Sample Laboratory No. : 243
Sample Source : SAN JUAN PUMP NO. 3 /6
Location : CAINTA
Submitted by : JICA
Date of -
Collection : February 25,1991
Receipt : February 25,1991
Examination : February 25,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	29.0	pH	7.1
Turbidity(units)	1.10	Spe.Cond.(micromhos/cm)	1142.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	184.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	396.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	732.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	74.0	3.22	Carbonate	0.0	0.00
Potassium	8.0	0.21	Bicarbonate	200.0	3.28
Calcium	118.0	5.90	Chloride	167.0	4.71
Magnesium	25.0	2.06	Sulfate	157.0	3.27
Total Cations		11.38	Total Anions		11.26

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: HARDNESS, CALCIUM.

Noted : CLP

Analyst

3-22-91
Date

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Tel. No. 95-32-61 local 235

Sample Laboratory No. : 244
Sample Source : BANGIAD PUMP STN. 77
Location : TAYTAY, RIZAL
Submitted by : JICA
Date of -
Collection : February 25,1991
Receipt : February 25,1991
Examination : February 25,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 8.6
Turbidity(units)	: 0.71	Spe.Cond.(micromhos/cm)	: 420.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 150.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 36.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 269.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	79.0	3.43	Carbonate	23.0	0.77
Potassium	4.0	0.10	Bicarbonate	137.0	2.25
Calcium	8.0	0.40	Chloride	17.0	0.48
Magnesium	4.0	0.33	Sulfate	26.0	0.54
Total Cations		4.27	Total Anions		4.03

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.50
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH

Noted : cal

Analyst.

3-22-91
Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 85-32-61 local 235

Sample Laboratory No. : 245
Sample Source : SAMPLE NO. 18
Location : STO. DOMINGO
Submitted by : JICA
Date of -
Collection : February 25,1991
Receipt : February 25,1991
Examination : February 25,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 7.7
Turbidity(units)	: 0.85	Spe.Cond.(micromhos/cm)	: 1481.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 168.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 453.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 948.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 119.0	5.17	Carbonate	: 0.0	0.00
Potassium	: 14.0	0.35	Bicarbonate	: 205.0	3.36
Calcium	: 96.0	4.80	Chloride	: 248.0	7.00
Magnesium	: 52.0	4.28	Sulfate	: 214.0	4.46
Total Cations	:	14.61	Total Anions	:	14.82

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.20
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 0.20
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: HARDNESS, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE.

Noted : _____ _____ 3-22-91
Analyst Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-82-61 local 235

Sample Laboratory No. : 261
Sample Source : LPS-1,WELL # 1(SAMPLE NO. 19)
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : February 27,1991
Receipt : February 27,1991
Examination : February 27,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 35.0	pH	: 8.6
Turbidity(units)	: 0.90	Spe.Cond.(micromhos/cm)	: 1240.0
Color(units)	: 5.0.	Alkalinity(mg/l, CaCO3)	: 86.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 36.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 794.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 182.0	7.91	Carbonate	: 23.0	0.77
Potassium	: 0.3	0.01	Bicarbonate	: 58.0	0.95
Calcium	: 12.0	0.60	Chloride	: 221.0	6.23
Magnesium	: 1.0	0.08	Sulfate	: 77.0	1.60
Total Cations	:	8.60	Total Anions	:	9.56

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.40
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, CHLORIDE

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 262
Sample Source : MNL JAP.SHL(SAMPLE NO. 20)
Location : PARANAQUE
Submitted by : JICA
Date of -
Collection : February 27,1991
Receipt : February 27,1991
Examination : February 27,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	32.0	pH	8.1
Turbidity(units)	0.65	Spe.Cond.(micromhos/cm)	820.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	307.0)
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	48.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	525.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	139.0	6.04	Carbonate	27.0	0.90
Potassium	17.0	0.44	Bicarbonate	321.0	5.26
Calcium	12.0	0.60	Chloride	32.0	0.90
Magnesium	4.0	0.33	Sulfate	12.0	0.25
Total Cations		7.41	Total Anions		7.31

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 263
Sample Source : AGUINALDO E/S WELL/SAMPLE#21
Location : KAWIT, CAVITE
Submitted by : JICA
Date of -
Collection : February 27,1991
Receipt : February 27,1991
Examination : February 27,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 34.0	pH	: 8.1
Turbidity(units)	: 0.77	Spe.Cond.(micromhos/cm)	: 710.0
Color(units)	: 5.0	Alkalinity(mg/l, CaCO3)	: 183.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 38.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 454.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	115.0	5.00	Carbonate	31.0	1.03
Potassium	14.0	0.36	Bicarbonate	160.0	2.62
Calcium	7.0	0.35	Chloride	40.0	1.13
Magnesium	5.0	0.41	Sulfate	33.0	0.69
Total Cations		6.12	Total Anions		5.47

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.30
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 264
Sample Source : IBP # 2(SAMPLE NO. 22)
Location : QUEZON CITY
Submitted by : JICA
Date of -
Collection : February 28,1991
Receipt : February 28,1991
Examination : February 28,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	29.0	pH	9.0
Turbidity(units)	1.04	Spe.Cond.(micromhos/cm)	500.0
Color(units)	17.5	Alkalinity(mg/l, CaCO3)	187.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	30.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	320.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	104.0	4.52	Carbonate	32.0	1.07
Potassium	0.6	0.02	Bicarbonate	182.0	2.88
Calcium	6.0	0.30	Chloride	30.0	0.85
Magnesium	4.0	0.33	Sulfate	2.0	0.04
Total Cations		5.17	Total Anions		4.81

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, COLOR

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 265
Sample Source : PUMP NO. 3(SAMPLE NO. 23)
Location : FAIRVIEW, QUEZON CITY
Submitted by : JICA
Date of -
Collection : February 28,1991
Receipt : February 28,1991
Examination : February 28,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	28.0	pH	9.1
Turbidity(units)	1.05	Spe.Cond.(micromhos/cm)	640.0
Color(units)	20.0	Alkalinity(mg/l, CaCO3)	213.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	38.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	410.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	123.0	5.35	Carbonate	59.0	1.97
Potassium	0.4	0.01	Bicarbonate	140.0	2.30
Calcium	7.0	0.35	Chloride	40.0	1.13
Magnesium	4.0	0.33	Sulfate	1.0	0.02
Total Cations		6.04	Total Anions		5.41

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.70
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, COLOR

Noted : _____ _____ Analyst 3-22-91 Date

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Tel. No. 95-32-61 local 235

Sample Laboratory No. : 266
Sample Source : LAGRO #1(SAMPLE NO. 24)
Location : QUEZON CITY
Submitted by : JICA
Date of -
Collection : February 28,1991
Receipt : February 28,1991
Examination : February 28,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 8.8
Turbidity(units)	: 0.67	Spe.Cond.(micromhos/cm)	: 580.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 243.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 30.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 371.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 117.0	5.09	Carbonate	: 26.0	0.87
Potassium	: 0.5	0.01	Bicarbonate	: 243.0	3.98
Calcium	: 10.0	0.50	Chloride	: 7.0	0.20
Magnesium	: 1.0	0.08	Sulfate	: 2.0	0.04
Total Cations	:	5.68	Total Anions	:	5.09

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.40
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH

Noted : _____ _____ 3-22-91
Analyst Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 275
Sample Source : WAWA DAM(SAMPLE NO. 25)
Location : MONTALBAN
Submitted by : JICA
Date of -
Collection : March 5,1991
Receipt : March 5,1991
Examination : March 5,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 27.0	pH	: 7.8
Turbidity(units)	: 1.14	Spe.Cond.(micromhos/cm)	: 340.0
Color(units)	: 10.0	Alkalinity(mg/l, CaCO3)	: 86.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 105.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 218.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 18.0	0.78	Carbonate	: 0.0	0.00
Potassium	: 4.0	0.10	Bicarbonate	: 122.0	2.00
Calcium	: 34.0	1.70	Chloride	: 9.0	0.25
Magnesium	: 5.0	0.41	Sulfate	: 17.0	0.35
Total Cations	:	3.00	Total Anions	:	2.61

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.40
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 276
Sample Source : SAMPLE NO. 28
Location : SAN JOSE
Submitted by : JICA
Date of -
Collection : March 5,1991
Receipt : March 5,1991
Examination : March 5,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 29.0	pH	: 7.5
Turbidity(units)	: 0.62	Spe.Cond.(micromhos/cm)	: 350.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 135.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 98.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 224.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 21.0	0.91	Carbonate	: 0.0	0.00
Potassium	: 4.0	0.10	Bicarbonate	: 165.0	2.70
Calcium	: 32.0	1.60	Chloride	: 10.0	0.28
Magnesium	: 4.0	0.33	Sulfate	: 8.0	0.17
Total Cations	:	2.94	Total Anions	:	3.15

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.30
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 277
Sample Source : SAMPLE NO. 27
Location : SAN MATEO PUBLIC MARKET
Submitted by : JICA
Date of -
Collection : March 5,1991
Receipt : March 5,1991
Examination : March 5,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 28.0	pH	: 7.3
Turbidity(units)	: 0.64	Spe.Cond.(micromhos/cm)	: 460.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 172.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 123.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 284.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	36.0	1.57	Carbonate	0.0	0.00
Potassium	3.5	0.09	Bicarbonate	210.0	3.44
Calcium	40.0	2.00	Chloride	16.0	0.45
Magnesium	6.0	0.49	Sulfate	8.0	0.17
Total Cations		4.15	Total Anions		4.06

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.40
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: 0.30
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

3-4-1

Sample Laboratory No. : 286
Sample Source : TEST WELL NO. 1(SAMPLE NO. 28)
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : March 6,1991
Receipt : March 6,1991
Examination : March 6,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 35.0	pH	: 8.6
Turbidity(units)	: 0.94	Spe.Cond.(micromhos/cm)	: 1120.0
Color(units)	: 5.0	Alkalinity(mg/l, CaCO3)	: 86.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 18.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 762.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	166.0	7.22	Carbonate	8.0	0.27
Potassium	9.0	0.23	Bicarbonate	85.0	1.39
Calcium	5.0	0.25	Chloride	162.0	4.57
Magnesium	1.0	0.08	Sulfate	80.0	1.67
Total Cations		7.78	Total Anions		7.90

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.50
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH

Noted : _____ _____ 3-22-91
Analyst Date

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LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 287
Sample Source : SAMPLE NO. 28
Location : COMBALAY, KAWIT, CAVITE
Submitted by : JICA
Date of -
Collection : March 6,1991
Receipt : March 6,1991
Examination : March 6,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 33.0	pH	: 8.3
Turbidity(units)	: 0.88	Spe.Cond.(micromhos/cm)	: 690.0
Color(units)	: 20.0	Alkalinity(mg/l, CaCO3)	: 176.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 9.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 442.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	116.0	5.04	Carbonate	8.0	0.27
Potassium	13.0	0.33	Bicarbonate	198.0	3.25
Calcium	2.0	0.10	Chloride	37.0	1.04
Magnesium	1.0	0.08	Sulfate	29.0	0.60
Total Cations		5.56	Total Anions		5.16

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.60
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : _____ Analyst _____ 3-22-91 Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 288
Sample Source : SAMPLE NO. 30
Location : PLAZA GARCIA, IMUS, CAVITE
Submitted by : JICA
Date of -
Collection : March 6,1991
Receipt : March 6,1991
Examination : March 6,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 34.0	pH	: 8.6
Turbidity(units)	: 0.65	Spe.Cond.(micromhos/cm)	: 690.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 187.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 15.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 442.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 115.0	5.00	Carbonate	: 23.0	0.77
Potassium	: 13.0	0.33	Bicarbonate	: 182.0	2.98
Calcium	: 5.0	0.25	Chloride	: 35.0	0.99
Magnesium	: 0.7	0.06	Sulfate	: 18.0	0.40
Total Cations	:	5.64	Total Anions	:	5.13

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.10
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH.

Noted : CRS

Analyst.

3-22-91
Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 289
Sample Source : GREENMEADOW # 3(SAMPLE NO. 31)
Location : QUEZON CITY
Submitted by : JICA
Date of -
Collection : March 7,1991
Receipt : March 7,1991
Examination : March 7,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 8.1
Turbidity(units)	: 0.75	Spe.Cond.(micromhos/cm)	: 660.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 63.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 120.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 422.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	83.0	3.61	Carbonate	0.0	0.00
Potassium	9.5	0.24	Bicarbonate	146.0	2.39
Calcium	18.0	0.90	Chloride	90.0	2.54
Magnesium	4.0	0.33	Sulfate	4.0	0.08
Total Cations		5.08	Total Anions		5.02

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.50
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CMS

Analyst

3-22-91
Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 285

Sample Laboratory No. : 280
Sample Source : SAMPLE NO. 22
Location : KAPITOLYO, PASIG
Submitted by : JICA
Date of -
Collection : March 7,1991
Receipt : March 7,1991
Examination : March 7,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 7.6
Turbidity(units)	: 1.12	Spe.Cond.(micromhos/cm)	: 560.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 180.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 108.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 358.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 44.0	1.91	Carbonate	: 0.0	0.00
Potassium	: 22.0	0.56	Bicarbonate	: 220.0	3.61
Calcium	: 30.0	1.50	Chloride	: 45.0	1.27
Magnesium	: 8.0	0.86	Sulfate	: 6.0	0.13
Total Cations	:	4.84	Total Anions	:	5.00

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.50
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 291
Sample Source : SAMPLE NO. 33
Location : ESCOPA, PROJ. 4, QUEZON CITY
Submitted by : JICA
Date of -
Collection : March 7,1991
Receipt : March 7,1991
Examination : March 7,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 31.0	pH	: 8.0
Turbidity(units)	: 0.70	Spe.Cond.(micromhos/cm)	: 450.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 161.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 69.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 288.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 48.0	2.09	Carbonate	: 0.0	0.00
Potassium	: 9.0	0.23	Bicarbonate	: 196.0	3.21
Calcium	: 18.0	0.80	Chloride	: 12.0	0.34
Magnesium	: 6.0	0.49	Sulfate	: 2.0	0.04
Total Cations	:	3.71	Total Anions	:	3.59

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.40
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 289
Sample Source : CATMON DEEPWELL(SAMPLE NO. 34)
Location : MALABON, METRO MANILA
Submitted by : JICA
Date of -
Collection : March 11,1991
Receipt : March 11,1991
Examination : March 11,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 33.0	pH	: 8.9
Turbidity(units)	: 0.80	Spe.Cond.(micromhos/cm)	: 480.0
Color(units)	: 5.0	Alkalinity(mg/l, CaCO3)	: 142.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 9.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 284.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 92.0	4.00	Carbonate	: 23.0	0.77
Potassium	: 3.0	0.08	Bicarbonate	: 127.0	2.08
Calcium	: 2.0	0.10	Chloride	: 25.0	0.71
Magnesium	: 0.7	0.06	Sulfate	: 13.0	0.27
Total Cations	:	4.23	Total Anions	:	3.82

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: NIL
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH

Noted : _____ _____ 3-22-91
Analyst Date

Republic of the Philippines
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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 300
Sample Source : SAMPLE NO. 35
Location : POSOLO ELEM. SCHOOL, VALENZUELA
Submitted by : JICA
Date of -
Collection : March 11,1991
Receipt : March 11,1991
Examination : March 11,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 32.0	pH	: 8.9
Turbidity(units)	: 1.20	Spe.Cond.(micromhos/cm)	: 420.0
Color(units)	: 15.0	Alkalinity(mg/l, CaCO3)	: 150.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 9.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 268.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	87.0	3.78	Carbonate	28.0	0.87
Potassium	5.0	0.13	Bicarbonate	129.0	2.11
Calcium	2.0	0.10	Chloride	14.0	0.39
Magnesium	0.7	0.06	Sulfate	2.0	0.04
Total Cations		4.07	Total Anions		3.42

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, COLOR

Noted : [signature]

[signature]
Analyst

3-22-91
Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 301
Sample Source : T. DE LEON WELL (SAMPLE NO. 38)
Location : VALENZUELA, METRO MANILA
Submitted by : JICA
Date of -
Collection : March 11,1991
Receipt : March 11,1991
Examination : March 11,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 32.0	pH	: 8.6
Turbidity(units)	: 0.90	Spe.Cond.(micromhos/cm)	: 450.0
Color(units)	: 5.0	Alkalinity(mg/l, CaCO3)	: 168.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 15.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 288.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	89.0	3.87	Carbonate	18.0	0.60
Potassium	5.0	0.13	Bicarbonate	168.0	2.75
Calcium	4.0	0.20	Chloride	14.0	0.39
Magnesium	1.0	0.08	Sulfate	1.0	0.02
Total Cations		4.28	Total Anions		3.77

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH.

Noted : CLS

Analyst

3-22-91
Date

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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 322
Sample Source : SAMPLE NO. 37
Location : BANABA AMPID, SAN MATEO
Submitted by : JICA
Date of -
Collection : March 12,1991
Receipt : March 12,1991
Examination : March 12,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	28.0	pH	7.3
Turbidity(units)	1.30	Spe.Cond.(micromhos/cm)	440.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	127.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	120.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	282.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	48.0	2.09	Carbonate	0.0	0.00
Potassium	7.0	0.18	Bicarbonate	155.0	2.54
Calcium	40.0	2.00	Chloride	30.0	0.85
Magnesium	5.0	0.41	Sulfate	21.0	0.44
Total Cations		4.68	Total Anions		3.82

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.10
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CMS
Analyst
3-22-91
Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 323
Sample Source : SAMPLE NO. 38
Location : EVER ELECT MANUFACTURING INC
Submitted by : JICA
Date of -
Collection : March 12,1991
Receipt : March 12,1991
Examination : March 12,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	28.0	pH	6.9
Turbidity(units)	0.70	Spe.Cond.(micromhos/cm)	604.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	157.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	78.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	386.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	76.0	3.30	Carbonate	0.0	0.00
Potassium	12.0	0.31	Bicarbonate	192.0	3.15
Calcium	24.0	1.20	Chloride	77.0	2.17
Magnesium	4.0	0.33	Sulfate	18.0	0.33
Total Cations		5.14	Total Anions		5.65

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.00
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : ens

Analyst

3-22-91
Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 324
Sample Source : SAMPLE NO. 38
Location : HANSSON PAPER PHIL CORP.
Submitted by : JICA
Date of -
Collection : March 12,1991
Receipt : March 12,1991
Examination : March 12,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 31.0	pH	: 7.6
Turbidity(units)	: 1.00	Spe.Cond.(micromhos/cm)	: 380.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 138.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 129.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 250.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 25.0	1.09	Carbonate	: 0.0	0.00
Potassium	: 6.0	0.15	Bicarbonate	: 168.0	2.75
Calcium	: 38.0	1.90	Chloride	: 19.0	0.54
Magnesium	: 8.0	0.65	Sulfate	: 9.0	0.19
Total Cations	:	3.80	Total Anions	:	3.48

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: NIL
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : cmf

Analyst

3-22-91
Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-82-81 local 235

Parking Lot

Sample Laboratory No. : 330
Sample Source : LPS-3 WELL NO. 1(SAMPLE # 40)
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : March 13,1991
Receipt : March 13,1991
Examination : March 13,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 34.0	pH	: 8.8
Turbidity(units)	: 1.42	Spe.Cond.(micromhos/cm)	: 780.0
Color(units)	: 10.0	Alkalinity(mg/l. CaCO3)	: 142.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l. CaCO3)	: 12.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 498.0	Acidity(mg/l. CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 121.0	5.22	Carbonate	: 18.0	0.60
Potassium	: 12.0	0.29	Bicarbonate	: 137.0	2.25
Calcium	: 4.0	0.20	Chloride	: 76.0	2.14
Magnesium	: 1.0	0.09	Sulfate	: 40.0	0.83
Total Cations	:	5.80	Total Anions	:	5.82

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: NIL
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, COLOR

Noted : CAL

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-81 local 235

Sample Laboratory No. : 331
Sample Source : SAMPLE NO. 41
Location : BO. TALABA, BACOOR, CAVITE
Submitted by : JICA
Date of -
Collection : March 13,1991
Receipt : March 13,1991
Examination : March 13,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	32.0	pH	8.0
Turbidity(units)	1.10	Spe.Cond.(micromhos/cm)	1030.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	183.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	54.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	658.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	137.0	5.96	Carbonate	0.0	0.00
Potassium	33.0	0.85	Bicarbonate	223.0	3.66
Calcium	18.0	0.90	Chloride	123.0	3.47
Magnesium	2.0	0.16	Sulfate	20.0	0.42
Total Cations		7.87	Total Anions		7.54

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.10
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted: _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 332
Sample Source : NAGA WELL # 2(SAMPLE NO. 42)
Location : LAS PINAS
Submitted by : JICA
Date of -
Collection : March 13,1991
Receipt : March 13,1991
Examination : March 13,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	31.0	pH	7.7
Turbidity(units)	0.87	Spe.Cond.(micromhos/cm)	2020.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	202.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	201.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	1230.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	183.0	7.98	Carbonate	0.0	0.00
Potassium	35.0	0.90	Bicarbonate	246.0	4.03
Calcium	73.0	3.65	Chloride	274.0	7.73
Magnesium	21.0	1.73	Sulfate	46.0	0.96
Total Cations		14.23	Total Anions		12.72

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.60
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE, MAGNANESE.

Noted : [signature]

[signature]
Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-82-81 local 235

Sample Laboratory No. : 334
Sample Source : ATP JICA TEST WELL(SAMPLE#43)
Location : ANTIPOLO, RIZAL
Submitted by : JICA
Date of -
Collection : March 14,1991
Receipt : March 14,1991
Examination : March 14,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	28.0	pH	7.5
Turbidity(units)	1.85	Spe.Cond.(micromhos/cm)	490.0
Color(units)	7.5	Alkalinity(mg/l, CaCO3)	198.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	153.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	314.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	48.0	2.09	Carbonate	0.0	0.00
Potassium	8.0	0.15	Bicarbonate	242.0	3.97
Calcium	47.0	2.35	Chloride	12.0	0.34
Magnesium	9.0	0.74	Sulfate	2.0	0.04
Total Cations		5.33	Total Anions		4.35

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.20
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.10
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR

Noted : CMS

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 347
Sample Source : SAMPLE NO. 44
Location : SUCAT E/S.MUNTINLUPA, M.M.
Submitted by : JICA
Date of -
Collection : March 18,1991
Receipt : March 18,1991
Examination : March 18,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	31.0	pH	7.1
Turbidity(units)	1.10	Spe.Cond.(micromhos/cm)	1390.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	280.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	189.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	890.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	180.0	7.83	Carbonate	0.0	0.00
Potassium	15.0	0.38	Bicarbonate	342.0	5.61
Calcium	52.0	2.60	Chloride	144.0	4.06
Magnesium	14.0	1.15	Sulfate	65.0	1.35
Total Cations		11.96	Total Anions		11.02

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 348
Sample Source : SAMPLE NO. 45
Location : ALABANG JUNCTION,MUNTINLUPA
Submitted by : JICA
Date of -
Collection : March 18,1991
Receipt : March 18,1991
Examination : March 18,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	30.0	pH	7.6
Turbidity(units)	1.30	Spe.Cond.(micromhos/cm)	750.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	247.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	84.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	480.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	103.0	4.48	Carbonate	0.0	0.00
Potassium	9.0	0.23	Bicarbonate	301.0	4.93
Calcium	24.0	1.20	Chloride	15.0	0.42
Magnesium	6.0	0.49	Sulfate	30.0	0.63
Total Cations		6.40	Total Anions		5.98

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.20
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.10
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 349
Sample Source : SAMPLE NO. 46
Location : MUNTINLUPA BLISS,RIZAL
Submitted by : JICA
Date of -
Collection : March 18,1991
Receipt : March 18,1991
Examination : March 18,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 29.0	pH	: 6.9
Turbidity(units)	: 0.70	Spe.Cond.(micromhos/cm)	: 740.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 236.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 186.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 474.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium :	58.0	2.52	Carbonate :	0.0	0.00
Potassium :	8.0	0.21	Bicarbonate :	288.0	4.72
Calcium :	47.0	2.35	Chloride :	28.0	0.79
Magnesium :	17.0	1.40	Sulfate :	34.0	0.71
Total Cations :		6.48	Total Anions :		6.22

Trace Elements(mg/l)

Arsenic :	N.A.	Iron :	NIL
Barium :	N.A.	Lead :	N.A.
Cadmium :	N.A.	Manganese :	NIL
Chromium :	N.A.	Mercury :	N.A.
Copper :	N.A.	Phenols :	N.A.
Cyanide :	N.A.	Selenium :	N.A.
Fluoride :	N.A.	Silver :	N.A.
		Zinc :	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 363
Sample Source : SAMPLE NO. 47 57
Location : SIGNAL VILLAGE #11, BALLESER ST TAGUIG
Submitted by : JICA
Date of -
Collection : March 19,1991
Receipt : March 19,1991
Examination : March 19,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	29.0	pH	7.2
Turbidity(units)	0.76	Spe.Cond.(micromhos/cm)	700.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	230.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	231.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	448.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	45.0	1.96	Carbonate	0.0	0.00
Potassium	13.0	0.33	Bicarbonate	281.0	4.61
Calcium	42.0	2.10	Chloride	12.0	0.34
Magnesium	31.0	2.55	Sulfate	42.0	0.88
Total Cations		6.94	Total Anions		5.82

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.30
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CMS

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 364
Sample Source : SAMPLE NO. 48 50
Location : ECOLOGY VILLAGE, MAKATI
Submitted by : JICA
Date of -
Collection : March 19,1991
Receipt : March 19,1991
Examination : March 19,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	30.0	pH	7.1
Turbidity(units)	0.72	Spe.Cond.(micromhos/cm)	610.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	224.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	171.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	390.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	50.0	2.17	Carbonate	0.0	0.00
Potassium	17.0	0.44	Bicarbonate	273.0	4.48
Calcium	24.0	1.20	Chloride	16.0	0.45
Magnesium	27.0	2.22	Sulfate	10.0	0.21
Total Cations		6.03	Total Anions		5.14

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 365
Sample Source : PUMP NO. 11(SAMPLE NO. 49)
Location : TALISAY ST. FORBES PARK
Submitted by : JICA
Date of -
Collection : March 19,1991
Receipt : March 19,1991
Examination : March 19,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	31.0	pH	7.6
Turbidity(units)	0.85	Spe.Cond.(micromhos/cm)	610.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	198.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	201.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	390.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	40.0	1.74	Carbonate	0.0	0.00
Potassium	16.0	0.41	Bicarbonate	241.0	3.95
Calcium	25.0	1.25	Chloride	17.0	0.48
Magnesium	33.0	2.72	Sulfate	16.0	0.33
Total Cations		6.12	Total Anions		4.76

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 369
Sample Source : SAMPLE NO. 58 47
Location : MERVILLE SUBDV.,TANZA,NAVOTAS
Submitted by : JICA
Date of -
Collection : March 20,1991
Receipt : March 20,1991
Examination : March 20,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 33.0	pH	: 8.7
Turbidity(units)	: 2.20	Spe.Cond.(micromhos/cm)	: 530.0
Color(units)	: 20.0	Alkalinity(mg/l, CaCO3)	: 97.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 12.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 339.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	88.0	3.83	Carbonate	0.0	0.00
Potassium	1.6	0.04	Bicarbonate	118.0	1.93
Calcium	4.0	0.20	Chloride	47.0	1.33
Magnesium	1.0	0.08	Sulfate	32.0	0.67
Total Cations		4.15	Total Anions		3.93

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, COLOR.

Noted :

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 370
Sample Source : SAMPLE NO. 51 XX
Location : DAGAT-DAGATAN #1,NAVOTAS
Submitted by : JICA
Date of -
Collection : March 20,1991
Receipt : March 20,1991
Examination : March 20,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 30.0	pH	: 9.2
Turbidity(units)	: 2.30	Spe.Cond.(micromhos/cm)	: 600.0
Color(units)	: 15.0	Alkalinity(mg/l, CaCO3)	: 60.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 33.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 384.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	106.0	4.61	Carbonate	0.0	0.00
Potassium	4.0	0.10	Bicarbonate	73.0	1.20
Calcium	5.0	0.25	Chloride	72.0	2.03
Magnesium	5.0	0.41	Sulfate	25.0	0.52
Total Cations		5.37	Total Anions		3.75

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: pH, COLOR.

Noted : CRS _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 735
Sample Source : DEEPWELL Sample # 52
Location : SILVER SWAN MANUFACTURING CO.
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 2,1991
Receipt : July 2,1991
Examination : July 2,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.7
Turbidity(units)	0.97	Spe.Cond.(micromhos/cm)	861.0
Color(units)	10.0	Alkalinity(mg/l, CaCO3)	127.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	50.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	551.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	160.0	6.96	Carbonate	0.0	0.00
Potassium	10.0	0.26	Bicarbonate	155.0	2.54
Calcium	14.0	0.70	Chloride	173.0	4.88
Magnesium	4.0	0.33	Sulfate	16.0	0.33
Total Cations		8.24	Total Anions		7.75

Trace Elements(mg/l)

Arsenic	N.A.	Iron	2.35
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.20
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR, IRON.

Noted :

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 736
Sample Source : DEEPWELL Sample No 53
Location : YANSON PAPERS INDUSTRIES
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 2,1991
Receipt : July 2,1991
Examination : July 2,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.7
Turbidity(units)	0.73	Spe.Cond.(micromhos/cm)	344.0
Color(units)	7.5	Alkalinity(mg/l, CaCO3)	131.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	25.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	220.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	60.0	2.61	Carbonate	8.0	0.27
Potassium	6.0	0.15	Bicarbonate	143.0	2.34
Calcium	8.0	0.40	Chloride	20.0	0.56
Magnesium	1.0	0.08	Sulfate	5.0	0.10
Total Cations		3.24	Total Anions		3.28

Trace Elements(mg/l)

Arsenic	N.A.	Iron	2.85
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.10
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR, IRON

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 738
Sample Source : DEEPWELL Sample No. 54
Location : QUEZON INSTITUTE
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 3,1991
Receipt : July 3,1991
Examination : July 3,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	27.0	pH	8.5
Turbidity(units)	0.80	Spe.Cond.(micromhos/cm)	343.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	94.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	22.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	220.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	68.0	2.96	Carbonate	13.0	0.43
Potassium	3.0	0.08	Bicarbonate	88.0	1.44
Calcium	4.0	0.20	Chloride	26.0	0.73
Magnesium	3.0	0.25	Sulfate	28.0	0.58
Total Cations		3.48	Total Anions		3.19

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 738
Sample Source : DEEPWELL Sample No. 55
Location : WORLD PAPER MILLS
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 3,1991
Receipt : July 3,1991
Examination : July 3,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	27.0	pH	7.9
Turbidity(units)	1.02	Spe.Cond.(micromhos/cm)	355.0
Color(units)	7.5	Alkalinity(mg/l, CaCO3)	131.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	59.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	227.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	50.0	2.17	Carbonate	23.0	0.77
Potassium	10.0	0.26	Bicarbonate	113.0	1.85
Calcium	14.0	0.70	Chloride	20.0	0.56
Magnesium	6.0	0.49	Sulfate	3.0	0.06
Total Cations		3.62	Total Anions		3.25

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 752
Sample Source : DEEPWELL Sample No. 56
Location : ICSC (FAROLA ICE COLD)
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 5,1991
Receipt : July 5,1991
Examination : July 5,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	8.0
Turbidity(units)	0.78	Spe.Cond.(micromhos/cm)	1174.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	60.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	84.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	751.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	180.0	7.83	Carbonate	13.0	0.43
Potassium	14.0	0.36	Bicarbonate	46.0	0.75
Calcium	29.0	1.45	Chloride	221.0	6.23
Magnesium	3.0	0.25	Sulfate	97.0	2.02
Total Cations		9.88	Total Anions		9.44

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 753
Sample Source : DEEPWELL Sample No 57
Location : PROCTER & GAMBLE PHIL. INC.
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 5,1991
Receipt : July 5,1991
Examination : July 5,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	8.3
Turbidity(units)	0.84	Spe.Cond.(micromhos/cm)	736.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	90.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	37.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	471.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	130.0	5.65	Carbonate	23.0	0.77
Potassium	8.0	0.21	Bicarbonate	63.0	1.03
Calcium	11.0	0.55	Chloride	138.0	3.89
Magnesium	3.0	0.25	Sulfate	20.0	0.42
Total Cations		6.65	Total Anions		6.11

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.30
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.20
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 764
Sample Source : DEEPWELL Sample No 56
Location : STA. TERESITA COLLEGE
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 8,1991
Receipt : July 8,1991
Examination : July 8,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	24.0	pH	6.7
Turbidity(units)	1.40	Spe.Cond.(micromhos/cm)	536.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	187.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	175.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	343.0	Acidity(mg/l, CaCO3)	N.A.

Major Gations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	38.0	1.65	Carbonate	0.0	0.00
Potassium	16.0	0.41	Bicarbonate	228.0	3.74
Calcium	34.0	1.70	Chloride	39.0	1.10
Magnesium	22.0	1.81	Sulfate	19.0	0.40
Total Cations		5.57	Total Anions		5.23

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.45
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.40
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 · local 235

Sample Laboratory No. : 765
Sample Source : DEEPWELL Sample Nr 59
Location : INNOTECH, COMMONWEALTH AVENUE
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 8,1991
Receipt : July 8,1991
Examination : July 8,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	24.0	pH	7.0
Turbidity(units)	3.60	Spe.Cond.(micromhos/cm)	404.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	164.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	165.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	259.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	16.0	0.70	Carbonate	0.0	0.00
Potassium	10.0	0.26	Bicarbonate	200.0	3.28
Calcium	40.0	2.00	Chloride	31.0	0.87
Magnesium	16.0	1.32	Sulfate	3.0	0.06
Total Cations		4.27	Total Anions		4.22

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.20
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
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WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 777
Sample Source : DEEPWELL Sample No 60
Location : SUMULONG, TAYTAY
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 8,1991
Receipt : July 8,1991
Examination : July 8,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 24.0	pH	: 7.8
Turbidity(units)	: 0.93	Spe.Cond.(micromhos/cm)	: 972.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 79.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 119.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: N.A.	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	155.0	6.74	Carbonate	0.0	0.00
Potassium	1.0	0.03	Bicarbonate	96.0	1.57
Calcium	39.0	1.95	Chloride	140.0	3.95
Magnesium	5.0	0.41	Sulfate	149.0	3.10
Total Cations		9.13	Total Anions		8.63

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.02
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.30
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 785
Sample Source : DEEPWELL Sample No. 61
Location : CARDINAL SANTOS MEDICAL CENTER
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 10,1991
Receipt : July 10,1991
Examination : July 10,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	24.0	pH	7.8
Turbidity(units)	0.77	Spe.Cond.(micromhos/cm)	397.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	168.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	90.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	254.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	48.0	2.09	Carbonate	0.0	0.00
Potassium	1.0	0.03	Bicarbonate	205.0	3.36
Calcium	20.0	1.00	Chloride	20.0	0.56
Magnesium	10.0	0.82	Sulfate	7.0	0.15
Total Cations		3.94	Total Anions		4.07

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 736
Sample Source : DEEPWELL - Sample No 62
Location : IBP NO. 8, NWSS REHABILITATION
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 10,1991
Receipt : July 10,1991
Examination : July 10,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	24.0	pH	7.4
Turbidity(units)	10.10	Spe.Cond.(micromhos/cm)	202.0
Color(units)	12.5	Alkalinity(mg/l, CaCO3)	82.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	84.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	129.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	12.0	0.52	Carbonate	0.0	0.00
Potassium	3.0	0.08	Bicarbonate	100.0	1.64
Calcium	20.0	1.00	Chloride	20.0	0.56
Magnesium	8.0	0.66	Sulfate	6.0	0.13
Total Cations		2.26	Total Anions		2.33

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.28
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.50
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: TURBIDITY, COLOR

Noted :

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 · local 235

Sample Laboratory No. : 792
Sample Source : SAMPLE NO. 63
Location : LATEX CITY, ALABANG
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 12,1991
Receipt : July 12,1991
Examination : July 12,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 25.0	pH	: 7.2
Turbidity(units)	: 1.40	Spe.Cond.(micromhos/cm)	: 16930.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 250.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 5263.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 0835.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	1150.0	50.00	Carbonate	0.0	0.00
Potassium	45.0	1.15	Bicarbonate	305.0	5.00
Calcium	1640.0	82.00	Chloride	5672.0	160.00
Magnesium	283.0	23.29	Sulfate	456.0	9.50
Total Cations		156.45	Total Anions		174.50

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.16
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.20
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: HARDNESS, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE.

Noted :

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 285

Sample Laboratory No. : 810
Sample Source : DEEPWELL Sample No 64
Location : GOODYEAR STEEL PIPE CORP.
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 15,1991
Receipt : July 15,1991
Examination : July 15,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.5
Turbidity(units)	0.94	Spe.Cond.(micromhos/cm)	382.0
Color(units)	10.0	Alkalinity(mg/l, CaCO3)	116.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	71.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	232.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	48.0	2.09	Carbonate	0.0	0.00
Potassium	5.0	0.13	Bicarbonate	142.0	2.33
Calcium	18.0	0.90	Chloride	18.0	0.51
Magnesium	6.0	0.49	Sulfate	20.0	0.42
Total Cations		3.61	Total Anions		3.25

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.25
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 811
Sample Source : DEEPWELL/SAMPLE NO. 65
Location : RUBBER WORLD
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 15,1991
Receipt : July 15,1991
Examination : July 15,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.9
Turbidity(units)	1.10	Spe.Cond.(micromhos/cm)	485.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	187.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	122.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	310.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	54.0	2.35	Carbonate	13.0	0.43
Potassium	6.0	0.15	Bicarbonate	201.0	3.30
Calcium	26.0	1.30	Chloride	24.0	0.68
Magnesium	14.0	1.15	Sulfate	11.0	0.23
Total Cations		4.95	Total Anions		4.63

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 819
Sample Source : DEEPWELL Sample No. 66
Location : IBP, QUEZON CITY
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 17,1991
Receipt : July 17,1991
Examination : July 17,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 25.0	pH	: 6.8
Turbidity(units)	: 290.00	Spe.Cond.(micromhos/cm)	: 182.0
Color(units)	: 500.0	Alkalinity(mg/l, CaCO3)	: 71.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 71.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 116.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	12.0	0.52	Carbonate	0.0	0.00
Potassium	3.0	0.08	Bicarbonate	87.0	1.43
Calcium	16.0	0.80	Chloride	18.0	0.51
Magnesium	8.0	0.66	Sulfate	0.0	0.00
Total Cations		2.06	Total Anions		1.93

Trace Elements(mg/l)

Arsenic	N.A.	Iron	3.80
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	2.50
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: TURBIDITY, COLOR, IRON, MAGNANESE.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 820
Sample Source : DEEPWELL Sample No 67
Location : MANILA HOTEL
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 17,1991
Receipt : July 17,1991
Examination : July 17,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.5
Turbidity(units)	0.74	Spe.Cond.(micromhos/cm)	560.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	60.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	22.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	358.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	115.0	5.00	Carbonate	0.0	0.00
Potassium	4.0	0.10	Bicarbonate	73.0	1.20
Calcium	5.0	0.25	Chloride	63.0	1.78
Magnesium	2.0	0.16	Sulfate	128.0	2.67
Total Cations		5.52	Total Anions		5.64

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.02
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CM

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 827
Sample Source : DEEPWELL Sample No. 68
Location : BF HOMES, LAS PINAS
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 19,1991
Receipt : July 19,1991
Examination : July 19,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.5
Turbidity(units)	0.42	Spe.Cond.(micromhos/cm)	630.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	209.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	56.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	403.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	93.0	4.04	Carbonate	0.0	0.00
Potassium	17.0	0.44	Bicarbonate	255.0	4.18
Calcium	9.0	0.45	Chloride	55.0	1.55
Magnesium	8.0	0.66	Sulfate	23.0	0.48
Total Cations		5.59	Total Anions		6.21

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.00
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
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WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 828
Sample Source : DEEPWELL # 1 Sample No. 60
Location : BF HOMES, PAMPLONA
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 18,1991
Receipt : July 19,1991
Examination : July 19,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 25.0	pH	: 7.2
Turbidity(units)	: 0.68	Spe.Cond.(micromhos/cm)	: 576.0
Color(units)	: 0.0	Alkalinity(mg/l, CaCO3)	: 187.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 81.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 369.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	89.0	3.87	Carbonate	0.0	0.00
Potassium	17.0	0.44	Bicarbonate	228.0	3.74
Calcium	16.0	0.80	Chloride	40.0	1.13
Magnesium	10.0	0.82	Sulfate	25.0	0.52
Total Cations		5.93	Total Anions		5.39

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.27
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : all

Analyst

Date

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WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 860
Sample Source : DEEPWELL NO. 8
Location : BF PARANAQUE Sample No 70
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 23,1991
Receipt : July 23,1991
Examination : July 23,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	6.9
Turbidity(units)	0.48	Spe.Cond.(micromhos/cm)	605.0
Color(units)	12.5	Alkalinity(mg/l, CaCO3)	180.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	81.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	387.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	100.0	4.35	Carbonate	0.0	0.00
Potassium	17.0	0.44	Bicarbonate	220.0	3.61
Calcium	20.0	1.00	Chloride	42.0	1.18
Magnesium	8.0	0.66	Sulfate	5.0	0.10
Total Cations		6.44	Total Anions		4.90

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.60
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR.

Noted : _____ _____ _____
Analyst Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 861
Sample Source : DEEPWELL NO. 4 Sample No. 71
Location : BF ALMANZA, LAS PINAS
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 23,1991
Receipt : July 23,1991
Examination : July 23,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.0
Turbidity(units)	0.48	Spe.Cond.(micromhos/cm)	600.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	176.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	34.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	384.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	100.0	4.35	Carbonate	0.0	0.00
Potassium	15.0	0.38	Bicarbonate	215.0	3.52
Calcium	10.0	0.50	Chloride	53.0	1.50
Magnesium	2.0	0.16	Sulfate	6.0	0.13
Total Cations		5.40	Total Anions		5.14

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 866
Sample Source : DEEPWELL NO. 7 Sample No. 7?
Location : BF HOMES, LAS PINAS
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 24,1991
Receipt : July 24,1991
Examination : July 24,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.1
Turbidity(units)	0.91	Spe.Cond.(micromhos/cm)	575.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	127.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	34.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	368.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	99.0	4.30	Carbonate	0.0	0.00
Potassium	14.0	0.36	Bicarbonate	155.0	2.54
Calcium	11.0	0.55	Chloride	63.0	1.78
Magnesium	1.0	0.08	Sulfate	43.0	0.90
Total Cations		5.30	Total Anions		5.21

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.50
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 887
Sample Source : DEEPWELL Sample No. 73
Location : IBP QUEZON CITY
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 18,1991
Receipt : July 23,1991
Examination : July 23,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	6.9
Turbidity(units)	3.40	Spe.Cond.(micromhos/cm)	237.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	108.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	81.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	152.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	19.0	0.83	Carbonate	0.0	0.00
Potassium	2.0	0.05	Bicarbonate	132.0	2.16
Calcium	26.0	1.30	Chloride	15.0	0.42
Magnesium	4.0	0.33	Sulfate	3.0	0.06
Total Cations		2.51	Total Anions		2.65

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.30
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.60
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: MAGNANESE.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 870
Sample Source : DEEPWELL
Location : LA PERLA, QUIRINO AVENUE Sample No. 74
Submitted by : JICA
Date of -
Collection : July 26, 1991
Receipt : July 26, 1991
Examination : July 26, 1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	6.9
Turbidity(units)	0.93	Spe.Cond.(micromhos/cm)	2060.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	194.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	149.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	1318.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	315.0	13.70	Carbonate	0.0	0.00
Potassium	30.0	0.77	Bicarbonate	237.0	3.89
Calcium	32.0	1.80	Chloride	418.0	11.79
Magnesium	17.0	1.40	Sulfate	58.0	1.21
Total Cations		17.46	Total Anions		16.88

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.40
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 871
Sample Source : DEEPWELL Sample No. 75
Location : HYATT REGENCY HOTEL
Submitted by : JICA
Date of -
Collection : July 26,1991
Receipt : July 26,1991
Examination : July 26,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.3
Turbidity(units)	0.94	Spe.Cond.(micromhos/cm)	1733.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	220.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	217.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	1109.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	200.0	8.70	Carbonate	0.0	0.00
Potassium	40.0	1.03	Bicarbonate	268.0	4.39
Calcium	53.0	2.65	Chloride	201.0	5.67
Magnesium	20.0	1.65	Sulfate	91.0	1.90
Total Cations		14.02	Total Anions		11.96

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 880
Sample Source : DEEPWELL Sample No. 76
Location : J.C.AQUA MARINE
Submitted by : JICA
Date of -
Collection : July 29,1991
Receipt : July 29,1991
Examination : July 29,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	23.0	pH	7.9
Turbidity(units)	1.04	Spe.Cond.(micromhos/cm)	1818.0
Color(units)	5.0	Alkalinity(mg/l, CaCO3)	141.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	81.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	1164.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	260.0	11.30	Carbonate	40.0	1.33
Potassium	20.0	0.51	Bicarbonate	92.0	1.51
Calcium	15.0	0.75	Chloride	343.0	9.68
Magnesium	11.0	0.91	Sulfate	48.0	1.00
Total Cations		13.47	Total Anions		13.52

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.60
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-81 local 235

Sample Laboratory No. : 881
Sample Source : DEEPWELL Sample No 77
Location : OLIVAREZ HOSPITAL
Submitted by : JICA
Date of -
Collection : July 29,1991
Receipt : July 29,1991
Examination : July 29,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 23.0	pH	: 7.8
Turbidity(units)	: 0.65	Spe.Cond.(micromhos/cm)	: 1568.0
Color(units)	: 2.5	Alkalinity(mg/l, CaCO3)	: 351.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 270.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 1003.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	: 210.0	8.13	Carbonate	: 31.0	1.03
Potassium	: 21.0	0.54	Bicarbonate	: 365.0	5.98
Calcium	: 47.0	2.35	Chloride	: 135.0	3.81
Magnesium	: 37.0	3.05	Sulfate	: 184.0	3.33
Total Cations	:	15.06	Total Anions	:	14.66

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.30
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : ALL

Analyst

Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 85-32-81 local 235

Sample Laboratory No. : 833
Sample Source : SAMPLE NO. 78
Location : MALAYAN TEXTILE MILL
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 31,1991
Receipt : July 31,1991
Examination : July 31,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	6.9
Turbidity(units)	1.80	Spe.Cond.(micromhos/cm)	835.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	249.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	180.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	406.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	47.0	2.04	Carbonate	0.0	0.00
Potassium	20.0	0.51	Bicarbonate	304.0	4.98
Calcium	40.0	2.00	Chloride	11.0	0.31
Magnesium	20.0	1.65	Sulfate	1.0	0.02
Total Cations		6.20	Total Anions		5.31

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.20
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

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Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 931
Sample Source : SAMPLE NO. 79
Location : IRENEVILLE SUBDV.
Submitted by : JICA STUDY TEAM
Date of -
Collection : July 31,1991
Receipt : July 31,1991
Examination : July 31,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	7.1
Turbidity(units)	1.25	Spe.Cond.(micromhos/cm)	605.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	230.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	96.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	387.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	85.0	3.70	Carbonate	0.0	0.00
Potassium	20.0	0.51	Bicarbonate	281.0	4.61
Calcium	21.0	1.05	Chloride	18.0	0.51
Magnesium	10.0	0.82	Sulfate	3.0	0.06
Total Cations		6.08	Total Anions		5.18

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 85-32-61 local 235

Sample Laboratory No. : 850
Sample Source : SAMPLE NO. 80
Location : COGEO NO. 6(STEP DRAWDOWN)
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 6,1991
Receipt : August 6,1991
Examination : August 6,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	6.5
Turbidity(units)	0.60	Spe.Cond.(micromhos/cm)	433.0
Color(units)	12.5	Alkalinity(mg/l, CaCO3)	127.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	205.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	277.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	10.0	0.43	Carbonate	0.0	0.00
Potassium	3.0	0.08	Bicarbonate	155.0	2.54
Calcium	41.0	2.05	Chloride	33.0	0.93
Magnesium	25.0	2.08	Sulfate	4.0	0.08
Total Cations		4.62	Total Anions		3.56

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.10
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.30
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR.

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 951
Sample Source : SAMPLE NO. 81
Location : COGEO ATP NO. 1
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 6,1991
Receipt : August 6,1991
Examination : August 6,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	8.5
Turbidity(units)	1.40	Spe.Cond.(micromhos/cm)	478.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	200.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	232.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	306.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	11.0	0.48	Carbonate	0.0	0.00
Potassium	3.0	0.08	Bicarbonate	244.0	4.00
Calcium	48.0	2.40	Chloride	22.0	0.62
Magnesium	27.0	2.22	Sulfate	2.0	0.04
Total Cations		5.18	Total Anions		4.66

Trace Elements(mg/l)

Arsenic	N.A.	Iron	NIL
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CM

Analyst

Date

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LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 952
Sample Source : SAMPLE NO. 82
Location : COGEO NO. 6(CPT 180 MIN.)
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 6,1991
Receipt : August 6,1991
Examination : August 6,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	25.0	pH	6.5
Turbidity(units)	1.30	Spe.Cond.(micromhos/cm)	448.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	195.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	228.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	288.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	7.0	0.30	Carbonate	0.0	0.00
Potassium	1.0	0.03	Bicarbonate	238.0	3.90
Calcium	51.0	2.55	Chloride	20.0	0.56
Magnesium	24.0	1.98	Sulfate	3.0	0.06
Total Cations		4.86	Total Anions		4.53

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.05
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CMS

Analyst

Date

Republic of the Philippines
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REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 981
Sample Source : SAMPLE NO. 83
Location : LA HUERTA(MWSS),PARANAQUE
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 7,1991
Receipt : August 7,1991
Examination : August 7,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	6.8
Turbidity(units)	0.16	Spe.Cond.(micromhos/cm)	848.0
Color(units)	7.5	Alkalinity(mg/l, CaCO3)	300.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	295.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	543.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	50.0	2.17	Carbonate	0.0	0.00
Potassium	13.0	0.33	Bicarbonate	366.0	6.00
Calcium	73.0	3.65	Chloride	42.0	1.18
Magnesium	27.0	2.22	Sulfate	1.0	0.02
Total Cations		8.38	Total Anions		7.21

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.20
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR.

Noted : EMS

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 962
Sample Source : SAMPLE NO. 84
Location : MARICABAN PUMP NO. 1
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 7,1991
Receipt : August 7,1991
Examination : August 7,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	7.2
Turbidity(units)	0.17	Spe.Cond.(micromhos/cm)	960.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	260.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	40.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	614.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	154.0	6.70	Carbonate	0.0	0.00
Potassium	30.0	0.77	Bicarbonate	317.0	5.20
Calcium	12.0	0.60	Chloride	112.0	3.16
Magnesium	7.0	0.58	Sulfate	0.5	0.01
Total Cations		8.64	Total Anions		8.37

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.15
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 967
Sample Source : SAMPLE NO. 85
Location : LIBERTY FLOUR MILLS
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 9,1991
Receipt : August 9,1991
Examination : August 9,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	7.4
Turbidity(units)	0.17	Spe.Cond.(micromhos/cm)	592.0
Color(units)	2.5	Alkalinity(mg/l, CaCO3)	148.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	50.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	379.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	70.0	3.04	Carbonate	0.0	0.00
Potassium	25.0	0.64	Bicarbonate	181.0	2.97
Calcium	8.0	0.40	Chloride	66.0	1.86
Magnesium	8.0	0.66	Sulfate	0.5	0.01
Total Cations		4.74	Total Anions		4.84

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.30
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.10
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CMS

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 968
Sample Source : SAMPLE NO. 86
Location : INTERNATIONAL OIL,SAN JUAN
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 8,1991
Receipt : August 9,1991
Examination : August 9,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	6.9
Turbidity(units)	0.30	Spe.Cond.(micromhos/cm)	351.0
Color(units)	10.0	Alkalinity(mg/l, CaCO3)	220.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	254.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	608.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	90.0	3.91	Carbonate	0.0	0.00
Potassium	13.0	0.33	Bicarbonate	268.0	4.39
Calcium	47.0	2.35	Chloride	147.0	4.15
Magnesium	33.0	2.72	Sulfate	0.5	0.01
Total Cations		9.31	Total Anions		8.55

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.40
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	0.60
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: COLOR, MAGNANESE.

Noted : CNS

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 990
Sample Source : SAMPLE NO. 87
Location : NATIONAL STEEL CORP.,CALAUAN
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 12,1991
Receipt : August 12,1991
Examination : August 12,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	7.0
Turbidity(units)	0.21	Spe.Cond.(micromhos/cm)	1815.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	88.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	179.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	225.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	300.0	13.04	Carbonate	0.0	0.00
Potassium	40.0	1.03	Bicarbonate	107.0	1.75
Calcium	36.0	1.80	Chloride	457.0	12.88
Magnesium	22.0	1.81	Sulfate	120.0	2.50
Total Cations		17.68	Total Anions		17.15

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.30
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
NON-COMPLYING PARAMETER/S: CHLORIDE.

Noted : CRL

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 881
Sample Source : SAMPLE NO. 88
Location : MAKATI MEDICAL CENTER
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 12,1991
Receipt : August 12,1991
Examination : August 12,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	7.0
Turbidity(units)	0.15	Spe.Cond.(micromhos/cm)	880.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	200.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	115.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	563.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	100.0	4.35	Carbonate	0.0	0.00
Potassium	30.0	0.77	Bicarbonate	244.0	4.00
Calcium	28.0	1.40	Chloride	88.0	2.48
Magnesium	11.0	0.91	Sulfate	45.0	0.94
Total Cations		7.42	Total Anions		7.42

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.30
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : CKK

Analyst

Date

Republic of the Philippines
LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 1001
Sample Source : SAMPLE NO. 89
Location : OSCAR RODRIGUEZ, DEPARO ST.
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 14,1991
Receipt : August 14,1991
Examination : August 14,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	: 26.0	pH	: 6.8
Turbidity(units)	: 15.00	Spe.Cond.(micromhos/cm)	: 406.0
Color(units)	: 25.0	Alkalinity(mg/l, CaCO3)	: 181.0
Odor	: UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	: 200.0
Total Solids(mg/l)	: N.A.	Residual Chlorine(mg/l)	: N.A.
Dissolved Solids(mg/l)	: 260.0	Acidity(mg/l, CaCO3)	: N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	12.0	0.52	Carbonate	0.0	0.00
Potassium	6.0	0.15	Bicarbonate	221.0	3.62
Calcium	41.0	2.05	Chloride	18.0	0.51
Magnesium	19.0	1.56	Sulfate	3.0	0.06
Total Cations		4.29	Total Anions		4.19

Trace Elements(mg/l)

Arsenic	: N.A.	Iron	: 0.30
Barium	: N.A.	Lead	: N.A.
Cadmium	: N.A.	Manganese	: NIL
Chromium	: N.A.	Mercury	: N.A.
Copper	: N.A.	Phenols	: N.A.
Cyanide	: N.A.	Selenium	: N.A.
Fluoride	: N.A.	Silver	: N.A.
		Zinc	: N.A.

Remarks:
NON-COMPLYING PARAMETER/S: TURBIDITY, COLOR.

Noted : CMS

Analyst

Date

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LOCAL WATER UTILITIES ADMINISTRATION
REGULATORY SERVICES
WATER SYSTEM OPERATIONS DEPT./WATER QUALITY DIV.
Katipunan Rd., Balara, Q.C.
Tel. No. 95-32-61 local 235

Sample Laboratory No. : 1002
Sample Source : SAMPLE NO. 90
Location : RAMITEX, GEN.LUIS ST.
Submitted by : JICA STUDY TEAM
Date of -
Collection : August 14,1991
Receipt : August 14,1991
Examination : August 14,1991
Sample Preservation : NONE

RESULTS OF THE PHYSICAL/CHEMICAL ANALYSIS

Temperature(C)	26.0	pH	7.0
Turbidity(units)	1.05	Spe.Cond.(micromhos/cm)	370.0
Color(units)	0.0	Alkalinity(mg/l, CaCO3)	151.0
Odor	UNOBJECTIONABLE	Hardness(mg/l, CaCO3)	90.0
Total Solids(mg/l)	N.A.	Residual Chlorine(mg/l)	N.A.
Dissolved Solids(mg/l)	237.0	Acidity(mg/l, CaCO3)	N.A.

Major Cations	(mg/l)	(meq/l)	Major Anions	(mg/l)	(meq/l)
Sodium	40.0	1.74	Carbonate	0.0	0.00
Potassium	5.0	0.13	Bicarbonate	184.0	3.02
Calcium	24.0	1.20	Chloride	18.0	0.51
Magnesium	7.0	0.58	Sulfate	6.0	0.13
Total Cations		3.64	Total Anions		3.65

Trace Elements(mg/l)

Arsenic	N.A.	Iron	0.20
Barium	N.A.	Lead	N.A.
Cadmium	N.A.	Manganese	NIL
Chromium	N.A.	Mercury	N.A.
Copper	N.A.	Phenols	N.A.
Cyanide	N.A.	Selenium	N.A.
Fluoride	N.A.	Silver	N.A.
		Zinc	N.A.

Remarks:
ALL PARAMETERS TESTED COMPLY WITH NSDW

Noted : _____ _____ _____
Analyst Date

CHAPTER 7

GROUNDWATER LEVELING

SURVEY NOVEMBER, 1990

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Wet Season, November 1990

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing aa/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level aa/bsl	Date (Time) of Measurement	Remarks
AIP-1018	MWSS Buliran Road	14-35-55	121-10-45	Newly drilled	243.90	30	53.79	1.14	52.65	225.00	172.35	19-11-90 (11:55)	-
AIP-1006	MWSS Pump #6 Road to Teresa	14-34-55	121-10-50	Active	135.32	20	35.60	0.75	34.85	201.00	166.15	27-11-90 (16:00)	-
AIP-1004	MWSS Pump #4 Nursery	14-35-16	121-10-04	Active	100.00	20	18.81	0.94	17.87	187.20	169.33	28-11-90 (05:30)	-
AIP-1013	MWSS Pump #8 San Isidro Elem. Sch.	14-35-35	121-10-48	Active	177.00	20	20.20	1.15	19.05	200.00	180.95	29-11-90 (03:05)	-
AIP-1014	MWSS Pump #9 Ang Tahanan	14-35-31	121-10-55	Active	213.00	25	28.20	0.64	27.56	196.00	168.44	29-11-90 (03:20)	-
AIP-1016	MWSS Pump #10 Saguinsin	14-35-39	121-10-15	Active	141.77	25	9.15	1.15	8.00	176.00	168.00	29-11-90 (03:50)	-
AIP-1001	MWSS Pump #1 M. L. Quezon	14-35-25	121-10-29	Active	83.82	15	17.41	0.45	16.96	189.60	172.64	30-11-90 (16:05)	-
AIP-1012	MWSS Pump #7 Sumulong Elem. Sch.	14-35-10	121-10-21	Active	183.00	20	32.48	1.10	31.38	196.00	164.62	30-11-90 (16:20)	-
AIP-1002	MWSS Pump #2 Sto. Nino	14-35-14	121-10-39	Active	163.06	20	27.68	0.23	27.45	196.00	168.55	30-11-90 (16:30)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Wet Season, November 1990

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
AIP-1005	MWSS Pump #5 Circumferential Road	14-34-54	121-10-12	Active	151.78	20	25.40	0.57	24.83	194.00	169.17	01-12-90 (12:45)	-
AIP-1003	MWSS Pump #3 P. Burgos	14-34-58	121-10-35	Active	150.87	15	30.01	0.14	29.87	199.00	169.13	01-12-90 (14:35)	-
AIP-2130	Joyous Heights Subdivision	14-35-09	121-11-32	Active	-	25	48.12	0.14	47.88	219.00	171.12	29-11-90 (01:00)	-
AIP-2035	Mayong Silangan Subdivision	14-34-11	121-10-52	Stand-by	-	20	-	-	2.09	200.00	197.91	19-11-90 (12:50)	-
BCR-1004	MWSS Bo. Miog	14-27-22	120-57-17	Active	274.32	25	42.73	0.74	41.99	2.00	- 39.99	30-11-90 (11:30)	-
BCR-1002	MWSS Poblacion	14-27-42	120-56-17	Active	129.54	25	53.25	0.10	53.15	2.00	- 51.15	30-11-90 (05:35)	-
CLC-2013	Bensan Industries 800 Gen. Luis St., Bagbaguin	14-43-05	121-00-08	Abandoned	244.00	15	114.76	0.70	114.06	29.50	- 84.55	15-11-90 (11:00)	-
CTA-1004	MWSS Sumulong Highway	14-38-09	121-06-18	Inactive	166.70	20	27.38	0.97	26.41	10.00	- 16.41	05-11-90 (13:47)	-
CTA-1008	MWSS Felix Memorial High School	14-34-39	121-06-52	Inactive	158.48	25	37.43	0.74	36.69	4.00	- 32.69	16-11-90 (11:10)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

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End of Wet Season, November 1990

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CVC-2010	Sangley Point #5 Sangley Ave. Cor. Balayan	14-29-52	120-54-42	Inactive	127.70	20	22.65	0.16	22.49	2.00	- 20.49	07-11-90 (12:35)	-
CVC-2011	Sangley Point #6 Taaleno Cor. Purisima Concepcion	14-29-59	120-54-47	Inactive	242.51	20	22.75	0.44	22.31	2.00	- 20.31	07-11-90 (12:40)	-
CVC-2008	Sangley Point #3 Sangley Point Ave. Cor. Ladislao	14-29-39	120-54-13	Abandoned	243.80	20	17.77	0.40	17.33	1.30	- 16.03	07-11-90 (12:55)	-
CVC-1013	MWSS Barangay 39 Hall, Paterno St.	14-28-52	120-53-39	Inactive	270.90	25	37.77	0.30	37.47	1.50	- 35.97	07-11-90 (14:00)	-
CVC-1019	MWSS M. Castro, Caridad	14-28-57	120-53-36	Abandoned	257.50	25	14.00	0.30	13.70	1.50	- 12.20	07-11-90 (14:10)	-
CVC-1018	MWSS Pump #17 Antonio St., Dalahican	14-27-57	120-52-57	Active	252.90	25	19.69	0.22	19.47	1.80	- 17.67	-	-
IMS-2015	DPWH Imus Municipal Hall	14-25-46	121-56-03	Abandoned	-	15	2.30	0.15	2.15	6.00	3.85	06-11-90 (11:50)	-
IMS-2016	NIA Anabu-2	14-21-58	120-56-17	Abandoned	200.00	30	8.21	0.49	7.72	42.00	34.28	06-11-90 (12:45)	-
IMS-2017	NIA Kalsadang Bago	14-25-50	120-55-10	Abandoned	-	20	4.68	0.45	4.23	6.00	- 1.77	06-11-90 (13:05)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Wet Season, November 1990

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KWT-1003	MWSS Sta. Isabel	14-26-01	120-52-58	Active	109.80	15	32.75	1.47	31.88	3.00	- 28.28	30-11-90 (12:54)	-
LPS-1002	MWSS Poblacion	14-27-43	120-57-19	Abandoned	-	20	41.07	0.58	40.49	2.70	- 37.79	31-10-90 (12:40)	-
LPS-2179	BF Resort Pamplona	14-27-46	120-57-59	Newly drilled	305.00	25	66.51	0.34	66.17	2.00	- 64.17	23-11-90 (13:55)	-
LPS-2030	Casimiro Development Corp.	14-28-17	120-58-29	Abandoned	-	15	43.85	0.43	43.42	1.20	- 42.22	31-10-90 (15:22)	-
LPS-2003	McDonald's Coastal Road, Zapote	14-28-05	120-57-47	Newly drilled	-	20	24.67	0.79	23.88	2.00	- 21.88	31-10-90 (11:35)	-
LPS-1001	MWSS #1 Naga Road	14-28-19	120-58-36	Abandoned	243.84	25	7.79	1.01	6.78	2.00	- 4.78	20-11-90 (14:10)	-
LPS-2180	BF Homes F. Dela Cruz St.	14-26-27	120-58-24	Inactive	-	25	101.00	0.43	100.57	8.00	- 92.57	14-11-90 (12:50)	-
MKI-1001	MWSS Pump #1 F. Zobel St., San Miguel Village	14-34-11	121-01-30	Inactive	245.40	30	26.70	0.38	26.32	3.50	- 22.82	08-11-90 (12:30)	-
MKI-1002	MWSS Pump #3 Jupiter Cor. M Garcia	14-33-52	121-01-14	Inactive	192.90	25	28.30	0.60	27.70	6.00	- 21.70	08-11-90 (12:50)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

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Groundwater Level Survey
End of Wet Season, November 1990

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MKT-1007	MWSS Pump #22 Jupiter Cor. Polaris	14-33-50	121-01-39	Inactive	304.58	30	35.82	0.52	35.30	9.50	- 25.80	08-11-90 (13:05)	-
MKT-1004	MWSS Pump #11 Hydra Cor. Solar, Bel Air Vil.	14-33-45	121-02-00	Inactive	-	30	34.79	0.20	34.59	16.00	- 18.59	08-11-90 (13:15)	-
MKT-1011	MWSS Pump #31 Jupiter Cor. Paseo de Roxas	14-33-38	121-01-52	Inactive	213.40	30	33.87	0.56	33.31	9.00	- 24.31	08-11-90 (13:20)	-
MKT-1006	MWSS Pump #20 Jupiter Cor. Canopus	14-33-38	121-02-10	Inactive	213.40	30	38.46	0.61	37.85	10.00	- 27.85	08-11-90 (13:30)	-
MKT-1003	MWSS Pump #10A Urdaneta Ave. Cor. Cruzada St.	14-33-25	121-01-17	Inactive	246.90	30	34.43	0.30	34.13	8.50	- 25.63	08-11-90 (13:40)	-
MKT-1012	MWSS Pump #33 Makati Ave. Cor. Greenbelt Drive	14-33-12	121-01-02	Inactive	228.35	25	26.35	0.25	26.10	7.30	- 18.80	08-11-90 (13:50)	-
MKT-1009	MWSS Pump #28 Dela Rosa Ave. Cor. Herrera	14-33-46	121-01-08	Inactive	205.79	30	25.28	0.29	24.99	7.00	- 17.99	08-11-90 (14:40)	-
MKT-1010	MWSS Pump #29 Salcedo Cor. Aguirre	14-33-14	121-00-53	Inactive	304.87	30	17.61	0.30	17.31	5.00	- 12.31	08-11-90 (14:20)	-
MKT-1005	MWSS Pump #19	14-33-51	121-00-45	Inactive	307.90	30	17.56	0.56	17.00	5.80	- 11.20	08-11-90 (14:50)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Wet Season, November 1990

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	Amorsolo Cor. Urban Ave.												
MKT-1014	MWSS Pump #10 Pili Ave. Between Palm and Mahogany	14-32-41	121-01-49	Inactive	215.80	30	28.64	0.00	28.64	17.50	- 11.14	09-11-90 (13:35)	-
MKT-1021	MWSS Pump #12 Pili Ave. Cor. Tamarind Road	14-32-15	121-02-05	Inactive	-	40	48.00	0.00	48.00	12.00	- 36.00	09-11-90 (13:10)	-
MKT-1017	MWSS Pump #15 Banaba Circle, Forbes Park	14-32-48	121-01-53	Inactive	-	40	70.90	0.00	70.90	16.00	- 54.90	09-11-90 (13:45)	-
MKT-2176	MWSS Magallanes Village	14-32-01	121-01-10	Inactive	-	35	26.61	0.27	26.34	6.00	- 20.34	21-11-90 (11:45)	-
MLB-2139	Araneta Subdivsion Everlasting St.	14-40-25	120-54-27	Abandoned	182.93	35	84.00	0.33	83.67	6.00	- 77.67	15-11-90 (13:50)	-
MLB-1006	MWSS Pump #3 Miogan	14-40-13	120-57-11	Abandoned	-	20	48.32	0.50	47.82	5.00	- 42.82	15-11-90 (13:00)	-
MOL-1002	MWSS National Mental Hospital Near Sangrila Pavillion	14-34-51	121-02-32	Abandoned	227.44	25	47.39	0.17	47.22	26.00	- 21.22	09-11-90 (12:40)	-
MOL-1001	MWSS National Mental Hospital	14-34-56	121-02-17	Abandoned	201.22	25	44.55	0.33	44.22	20.00	- 24.22	09-11-90 (12:30)	-

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	Mellon												
MDL-2092	PNCC EDSA	14-34-52	121-03-07	Abandoned	-	25	77.90	1.15	76.75	39.80	- 36.95	09-11-90 (14:10)	-
MNL-2116	FEU Morayta	14-36-19	120-59-06	Abandoned	-	25	31.00	0.25	30.75	2.00	- 28.75	06-11-90 ( )	-
MNL-2199	Luneta Park Infront of Quirino Grandstand	14-34-59	120-58-33	Abandoned	-	15	15.00	0.49	14.51	2.00	- 12.51	14-11-90 (10:30)	-
MRK-2110	Marikina Greenheights #1	14-40-06	121-06-23	Abandoned	-	30	11.00	0.89	10.11	15.00	4.89	05-11-90 (12:20)	-
MRK-2111	Marikina Greenheights #2	14-39-51	121-06-18	Abandoned	-	25	10.60	0.77	9.83	13.80	3.97	05-11-90 (12:30)	-
MRK-1002	MWSS San Roque Elem. Sch.	14-37-29	121-05-43	Inactive	135.01	30	34.28	1.18	33.10	9.00	- 24.10	05-11-90 (13:15)	-
MRK-1003	MWSS Industrial Valley	14-37-39	121-04-39	Abandoned	178.00	25	33.00	1.93	31.07	10.00	- 21.07	05-11-90 (14:35)	-
MRK-1004	MWSS Malanday Elem. Sch.	14-39-05	121-05-37	Inactive	185.97	25	25.30	0.89	24.41	13.00	- 11.41	05-11-90 (13:40)	-
MTB-2002	Metro Montana Royal Subdivision	14-42-50	121-08-15	Active	-	20	12.17	0.42	11.75	20.20	8.45	26-11-90 ( )	-

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MTL-2149	Bureau of Prison #5	14-22-53	121-01-46	Abandoned	-	25	61.60	0.27	61.33	56.00	- 5.33	30-11-90 (13:30)	-
MTL-2054	Sucat Overpass South Superhighway	14-27-19	121-02-39	Abandoned	-	-	66.97	0.38	66.59	24.00	- 42.59	30-11-90 (16:55)	-
MAN-2011	MWSS Pump #3 Apahap St., Dagat-dagatan	14-38-44	120-57-12	Abandoned	305.00	30	40.00	0.22	39.78	3.00	- 36.61	15-11-90 (11:15)	-
NOV-1004	MWSS Noveleta Central Noveleta Elem. Sch.	14-25-59	120-52-41	Active	304.80	25	33.50	0.93	32.57	4.00	- 28.57	23-11-90 (02:10)	-
NOV-1002	MWSS Pump #7 Abandoned Railroad	14-25-32	120-52-32	Active	299.00	25	35.98	0.94	35.04	2.00	- 33.04	12-11-90 (12:40)	-
NOV-1001	MWSS Pump #6 Abandoned Railroad	14-25-25	120-52-20	Inactive	298.70	25	37.18	1.42	35.76	2.20	- 33.56	12-11-90 (12:53)	-
PRN-2143	Sun Valley Subdivision Lavander St.	14-29-36	121-02-18	Inactive	182.93	20	98.83	0.32	98.51	26.00	- 72.51	21-11-90 (13:40)	-
PRN-2315	BF Homes #23 Pablo Roman St.	14-26-46	121-00-35	Abandoned	302.00	25	102.36	0.00	102.36	20.00	- 82.36	30-10-90 (14:35)	-
PRN-1001	MWSS Pump #1 Sucat Rd.	14-28-24	121-00-14	Abandoned	243.00	25	37.12	0.14	36.98	14.00	- 22.98	20-11-90 (14:45)	-

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PRN-1008	MWSS Pump #3 Sucat Rd. Near Fire Station	14-29-18	120-59-25	Abandoned	244.00	25	28.35	0.62	27.73	3.00	- 24.73	30-10-90 (16:20)	-
PRN-2158	Paranaque Municipal Hall	14-28-21	121-01-15	Abandoned	-	20	82.08	0.40	81.68	16.00	- 65.68	31-10-90 (14:05)	-
PRN-2026	BF Homes #11 Dela Rosa Cor. Recto	14-25-58	121-01-09	Abandoned	-	30	98.46	0.43	98.03	32.00	- 66.03	14-11-90 (12:20)	-
PRN-2342	BF Homes #4 Buencamino Cor. Wilson	14-26-19	121-01-24	Inactive	-	25	98.32	0.44	97.88	32.00	- 65.88	14-11-90 (11:50)	-
PRN-2034	Better Living Subdivision Christian St. Near Church	14-28-45	121-01-44	Inactive	304.87	25	94.32	0.00	94.32	26.00	- 68.32	14-11-90 (13:30)	-
PRN-2345	BF Homes Tropical Cor. Hiroshima	14-27-05	121-00-19	Newly drilled	-	25	82.47	0.58	81.89	15.00	- 66.89	23-11-90 (14:40)	-
PRN-2164	Marcelo Subdivision #3	14-28-42	121-02-00	Inactive	213.41	20	98.62	0.24	98.38	28.00	- 70.38	21-11-90 (14:10)	-
PSC-2087	Pasay Sports Center Derham St.	14-32-48	120-59-32	Abandoned	-	20	19.72	0.14	19.58	2.00	- 17.58	06-11-90 (14:55)	-
PSC-2042	School for the Deaf and Blind F. B. Harrison/J. S. Galvez	14-32-37	120-59-38	Abandoned	121.90	40	59.79	0.40	59.39	2.00	- 57.39	20-11-90 (11:55)	-
PSG-2256	National Steel Corp.	14-32-51	121-05-22	Abandoned	-	30	26.58	0.67	25.91	4.00	- 21.91	14-11-90 ( )	-

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PSG-2018	Allied Thread Co., Inc. #2 Sixto Antonio Ave.	14-34-54	121-04-57	Inactive	182.90	25	42.36	0.13	42.23	5.80	- 36.43	16-11-90 (16:30)	-
QCT-2243	COA Well #1 Commonwealth Ave.	14-41-33	121-05-15	Abandoned	275.00	15	13.90	0.00	13.90	89.00	75.10	12-11-90 (10:25)	-
QCT-2245	COA Well #3 Commonwealth	14-41-24	121-05-13	Abandoned	-	15	15.40	0.00	15.40	89.00	73.60	12-11-90 (10:10)	-
QCT-1003	MWSS IBP #3 Payatas	14-41-35	121-05-37	Inactive	304.80	30	33.15	0.52	32.63	89.00	56.37	12-11-90 (11:05)	-
QCT-1010	MWSS Lagro #4 Lagro, Novaliches	14-43-53	121-03-51	Inactive	283.84	30	36.35	0.29	36.06	79.00	42.94	12-11-90 (11:35)	-
QCT-2174	BLISS Pagasa Pagasa	14-39-40	121-01-49	Inactive	-	20	10.00	0.20	9.80	34.00	24.20	12-11-90 (13:25)	-
QCT-2082	Adamson & Adamson Boni Serrano St.	14-36-38	121-02-41	Inactive	365.85	25/20	42.00	0.30	41.70	32.00	- 9.70	13-11-90 (12:15)	-
QCT-2271	Kingspoint Subdivision #1 King Christian Cor. King David, Bagbag, Novaliches	14-41-55	121-01-21	Abandoned	-	20	68.15	0.18	67.97	21.00	- 46.97	15-11-90 (12:40)	-

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QCT-2609	Sanville Subdivision Cenacle Drive	14-40-15	121-02-51	Abandoned	-	20	87.00	0.15	86.85	38.00	- 48.85	21-11-90 (09:30)	-
QCT-2610	Garcia Heights Luzon Ave., Diliman	14-40-45	121-04-10	Abandoned	182.93	20	49.19	0.56	48.63	72.60	23.97	21-11-90 (10:30)	-
QCT-2611	New Capitol Estates Don Mariano Marcos Highway	14-40-53	121-04-59	Inactive	-	15	38.00	0.53	37.47	77.00	39.53	21-11-90 ( )	-
QCT-1016	MWSS D. Tuazon Pumping Station D. Tuazon St.	14-38-11	120-59-46	Inactive	244.00	20	4.00	0.30	3.70	11.00	7.30	06-11-90 (12:14)	-
QCT-2133	UP College of Engineering Magsaysay Ave., UP Campus	14-39-34	121-04-04	Abandoned	244.00	20	74.00	0.45	73.55	65.90	- 7.65	06-11-90 (13:30)	-
QCT-2614	Filinvest Homes I	14-41-00	121-05-24	Inactive	-	20	19.00	0.00	19.00	82.00	63.00	12-11-90 (10:45)	-
QCT-1014	MWSS Congressional Village, Proj. 8	14-40-25	121-01-37	Abandoned	274.32	35	84.50	0.40	84.10	35.00	- 49.10	12-11-90 (13:05)	-
QCT-2616	Oriental Quirino Highway, Balintawak	14-39-54	121-00-02	Abandoned	-	20	65.00	0.16	64.84	24.00	- 40.84	15-11-90 (14:00)	-
QCT-2617	Bliss Pasong Tamo Himalayan Road	14-40-36	121-02-43	Abandoned	-	20	77.27	0.65	76.62	46.00	- 30.62	15-11-90 (16:00)	-

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Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing masl/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level masl/bsl	Date (Time) of Measurement	Remarks
QCT-2615	NIA EDSA	14-38-22	121-02-27	Abandoned	-	25	12.80	0.30	12.50	40.00	27.50	19-11-90 (15:50)	-
ROS-1005	MWSS Pump #4 Abandoned Railroad	14-25-20	120-52-10	Inactive	304.80	25	41.26	1.30	39.96	3.30	- 36.66	12-11-90 (13:25)	-
ROS-1002	MWSS Pump #1 Abandoned Railroad	14-25-03	120-51-33	Inactive	304.80	25	31.68	0.66	31.02	6.00	- 25.02	15-11-90 (14:20)	-
ROS-1003	MWSS Pump #2 Abandoned Railroad	14-25-10	120-51-48	Inactive	304.80	25	33.22	0.90	32.32	6.00	- 26.32	12-11-90 (14:25)	-
ROS-1001	MWSS Pandacan High Sch.	14-24-52	120-58-47	Abandoned	-	30	20.69	0.85	19.84	1.00	- 18.84	13-11-90 (13:20)	-
ROS-1007	MWSS D. P. Jimenez St., Mawa	14-24-59	120-58-56	Abandoned	302.00	30	17.70	0.62	17.08	3.00	- 14.08	13-11-90 (13:50)	-
SJN-2013	Baguio Oil F. Manalo	14-36-12	121-01-18	Abandoned	-	30	21.50	2.40	19.10	2.00	- 17.10	19-11-90 (14:30)	-
SMT-1005	MWSS Ampid II Bo. Ampid	14-41-08	121-06-54	Abandoned	174.00	25	5.87	0.72	5.15	16.00	10.85	26-11-90 (10:50)	-
SMT-2030	Banker's Village	14-41-30	121-07-30	Stand-by	113.41	20	1.97	0.46	1.50	17.00	15.50	26-11-90 ( )	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Wet Season, November 1990

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
SMT-2031	Bancom Life Homes	14-40-49	121-07-35	Abandoned	-	20	5.31	0.31	5.00	22.00	17.00	26-11-90 (14:10)	-
TGG-2184	Taguig Municipal Hall N. L. Quezon	14-31-51	121-04-08	Inactive	-	25	23.57	0.48	23.09	2.00	- 21.09	16-11-90 (13:30)	-
TGG-2018	FTI DBP Ave.	14-30-23	121-02-28	Inactive	170.73	25	92.52	0.00	92.52	26.00	- 66.52	14-11-90 (14:15)	-
TGG-2017	FTI FTI Ave. Cor. Electronics Ave.	14-30-11	121-02-41	Abandoned	170.73	30	94.33	0.58	93.75	28.00	- 65.75	14-11-90 (14:30)	-
VLZ-2101	COSMOS A. Fernando St., Marulas	14-40-22	120-58-55	Abandoned	-	25	110.00	0.14	109.86	5.00	-104.86	24-11-90 (11:90)	-
VLZ-2165	Fil-Hispano McArthur Highway	14-41-58	120-57-42	Abandoned	236.00	30	79.58	0.00	79.58	7.00	- 72.58	24-11-90 (14:35)	-
VLZ-1002	MWSS Marulas Elem. Sch.	14-40-38	120-59-01	Inactive	305.40	20	134.42	0.73	133.69	11.00	-122.69	25-11-90 (10:50)	-
VLZ-1023	MWSS Kadiwa Center, Malanday	14-42-52	120-57-28	Inactive	304.00	20	126.54	1.29	126.25	2.00	-124.25	25-11-90 (11:45)	-
VLZ-2084	Fortune Village 19th St., Fortune Village	14-41-58	120-59-27	Abandoned	-	30	68.74	0.37	68.37	11.00	- 57.37	24-11-90 (15:20)	-

SURVEY MAY, 1991

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
AIP-2126	Solid Cement #12 Tagbac	14-35-24	121-12-13	Newly drilled	152.44	20	7.77	0.61	7.16	78.50	71.34	02-05-91 (13:30)	-
AIP-2127	Solid Cement #13 Tagbac	14-35-26	121-12-25	Newly drilled	152.44	20	18.81	1.00	17.81	70.00	52.19	02-05-91 (13:50)	-
AIP-2128	Robina Farms #4 Road to Teresa	14-34-47	121-11-23	Active	105.18	15	59.93	0.28	59.65	223.00	163.35	02-05-91 (14:55)	-
AIP-1009	MWSS Cogeo Pump #1 Cogeo	14-37-39	121-10-53	Inactive	91.46	20	8.15	0.48	7.67	115.75	108.08	10-05-91 (11:00)	-
AIP-1007	MWSS Cogeo Pump #3 Cogeo	14-37-28	121-10-01	Abandoned	-	20	4.69	0.28	4.41	112.00	107.59	10-05-91 (11:15)	-
AIP-2012	Coca-Cola Bottlers Phils. Sumulong Highway, Mayamot	14-38-06	121-06-58	Inactive	-	25	17.21	0.12	17.09	11.00	- 6.09	08-05-91 (15:00)	-
AIP-2129	Oro Vista Royal	14-37-48	121-08-29	Newly drilled	-	15	10.53	0.10	10.43	76.00	65.57	23-05-91 (11:45)	-
AIP-2062	Francis Ville Subdivision	14-37-29	121-08-18	Active	-	20	29.70	0.56	29.14	92.00	62.86	23-05-91 (12:45)	-
AIP-1018	MWSS Buliran Road	14-35-55	121-10-45	Newly drilled	243.90	30	57.25	1.14	56.11	225.00	168.89	28-05-91 (16:10)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
ATP-1006	MWSS Pump #6 Road to Teresa	14-34-55	121-10-50	Active	135.32	20	37.80	0.75	37.05	201.00	163.95	14-05-91 (12:05)	Stopped operation at 8:30
ATP-1004	MWSS Pump #4 Nursery	14-35-16	121-10-04	Active	100.00	20	28.52	0.94	27.58	187.20	159.62	11-05-91 (00:45)	Stopped operation at 21:30
ATP-1013	MWSS Pump #8 San Isidro Elem. Sch.	14-35-35	121-10-48	Active	177.00	20	26.48	1.15	25.33	200.00	174.67	11-05-91 (00:15)	Stopped operation at 21:00
ATP-1014	MWSS Pump #9 Ang Tahanan	14-35-31	121-10-55	Active	213.00	25	35.00	0.64	34.36	196.00	161.64	10-05-91 (23.50)	Stopped operation at 20:30
ATP-1016	MWSS Pump #10 Saguinsin	14-35-39	121-10-15	Active	141.77	25	14.46	1.15	13.31	176.00	162.69	10-05-91 (23:07)	Stopped operation at 20:00
ATP-1001	MWSS Pump #1 M. L. Quezon	14-35-25	121-10-29	Active	83.82	15	23.08	0.45	22.63	189.60	166.97	11-05-91 (23:30)	Stopped operation at 20:30
ATP-1012	MWSS Pump #7 Sumulong Elem. Sch.	14-35-10	121-10-21	Active	183.00	20	35.94	1.10	34.84	196.00	161.16	11-05-91 (12:30)	Stopped operation at 9:00
ATP-1002	MWSS Pump #2 Sto. Nino	14-35-14	121-10-39	Active	163.06	20	27.84	0.23	27.61	196.00	168.39	11-05-91 (13:55)	Stopped operation at 10:30
ATP-1005	MWSS Pump #5 Circumferential Road	14-34-54	121-10-12	Active	151.78	15	31.73	0.57	31.16	194.00	162.84	11-05-91 (01:12)	Stopped operation at 22:00, 10-05-91

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
ATP-1003	MWSS Pump #3 P. Burgos	14-34-58	121-10-35	Active	150.87	15	33.35	0.10	33.25	199.00	165.75	11-05-91 (13:30)	Stopped operation at 10:00
BCR-1001	MWSS Daang Bukid	14-27-15	120-56-28	Inactive	108.20	30	92.55	1.07	91.48	1.00	- 90.48	23-04-91 (14:30)	-
BCR-1004	MWSS Bo. Wiog	14-27-22	120-57-17	Active	274.32	25	55.78	0.74	55.04	2.00	- 53.04	10-05-91 (00:03)	Stopped operation at 20:00, 09-05-91
BCR-1002	MWSS Poblacion	14-27-42	120-56-17	Active	129.54	25	54.29	0.10	54.19	2.00	- 52.19	10-05-91 (00:30)	Stopped operation at 19:20, 09-05-91
BCR-2055	New Town Homes GSIS	14-24-26	120-59-07	Newly drilled	-	20	22.75	0.50	22.25	29.00	6.75	14-05-91 (15:00)	-
BCR-2056	Bahayang Pagasa Phase V Molino	14-24-00	120-58-14	Inactive	158.54	20	17.38	0.32	17.06	32.00	14.94	14-05-91 (15:30)	-
BCR-2016	Queen's Row Subdivision Molino	14-23-58	120-59-17	Inactive	304.80	30	22.40	0.45	21.95	42.00	20.05	14-05-91 (16:20)	-
CLC-2013	Bensan Industries 800 Gen. Luis St., Bagbaguin	14-43-05	121-00-08	Abandoned	244.00	15	111.40	0.70	110.70	29.50	- 81.20	24-05-91 (14:00)	-
CLC-2149	National Housing Authority	14-45-51	121-02-11	Newly	243.20	20	26.04	0.30	25.74	50.00	24.26	15-05-91 (17:15)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
				drilled									
CTA-1004	MWSS Sumulong Highway	14-38-09	121-06-18	Inactive	166.70	20	28.18	0.97	27.21	10.00	- 17.21	24-04-91 (10:30)	-
CTA-1008	MWSS Felix Memorial High School	14-34-39	121-06-52	Inactive	158.48	25	39.00	0.74	38.26	4.00	- 34.26	24-04-91 (14:49)	-
CTA-1001	MWSS Municipal Hall	14-34-45	121-06-55	Inactive	60.40	-	44.02	0.00	44.02	5.50	- 38.52	24-04-91 (13:30)	-
CTA-2085	Maries Subdivision St. John Cor. St. Bernadette	14-37-40	121-07-35	Inactive	-	25	28.22	0.30	27.92	25.00	- 2.92	23-05-91 (12:05)	-
CVC-2010	Sangley Point #5 Sangley Ave. Cor. Balayan	14-29-52	120-54-42	Inactive	127.70	20	23.05	0.16	22.89	2.00	- 20.89	02-05-91 (13:40)	-
CVC-2011	Sangley Point #6 Taaleno Cor. Purisima Concepcion	14-29-59	120-54-47	Inactive	242.51	20	22.99	0.44	22.55	2.00	- 20.55	02-05-91 (13:15)	-
CVC-1013	MWSS Barangay 39 Hall, Paterno St.	14-28-52	120-53-39	Inactive	270.90	25	37.60	0.30	37.30	1.50	- 35.80	07-05-91 (13:20)	-
CVC-1019	MWSS M. Castro, Caridad	14-28-57	120-53-36	Abandoned	257.50	25	13.96	0.30	13.66	1.50	- 12.16	02-05-91 (12:15)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
CVC-1018	MWSS Pump #17 Antonio St., Dalahican	14-27-57	120-52-57	Active	252.90	25	38.74	0.22	38.52	1.80	- 36.72	08-05-91 (23:10)	Stopped operation at 20:00, 08-05-91
IMS-2015	DPWH Imus Municipal Hall	14-25-46	121-56-03	Abandoned	-	15	4.68	0.15	4.53	6.00	1.47	23-04-91 (11:25)	-
IMS-2016	NIA Anabu-2	14-21-58	120-56-17	Abandoned	200.00	30	9.62	0.49	9.13	42.00	32.87	23-04-91 (11:00)	-
IMS-2017	NIA Kalsadang Bago	14-25-50	120-55-10	Abandoned	-	20	6.84	0.45	6.39	6.00	- 0.39	23-04-91 (12:10)	-
IMS-2010	Palas Atena Subdivision	14-23-03	120-56-07	Inactive	-	20	7.97	0.39	7.58	28.00	20.42	21-05-91 (13:15)	-
IMS-2011	Villa Nicasia	14-25-15	120-56-29	Active	-	20	5.77	0.24	5.53	8.20	2.67	21-05-91 (13:55)	-
IMS-2012	Chin Su Phils., Inc.	14-26-08	120-56-46	Active	-	15	6.74	0.41	6.33	6.00	- 0.33	21-05-91 (14:40)	-
IMS-2013	San Miguel Subdivision	14-22-19	120-58-33	Abandoned	-	15	28.60	0.63	27.97	58.00	30.03	14-05-91 (15:45)	-
IMS-2014	Chan Bros., Inc.	14-23-51	120-56-12	Abandoned	-	10	7.20	0.70	6.50	20.00	13.50	23-05-91 (15:30)	-
KWT-1006	MWSS Tirona Elem. Sch., Tirona	14-26-31	120-54-37	Inactive	-	30	38.85	0.92	37.93	2.00	- 35.93	-	-
KWT-1007	MWSS	14-26-52	120-54-37	Active	-	25	54.27	1.15	53.12	1.50	- 51.62	09-05-91 (03:45)	Stopped operation at

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
	Malamok												23:30, 08-05-91
KMT-1004	MWSS Aguinaldo	14-26-38	120-54-08	Active	-	25	42.08	0.94	41.14	1.00	- 40.14	10-05-91 (02:55)	Stopped operation at 23:00, 07-05-91
KMT-1003	MWSS Sta. Isabel	14-26-01	120-52-58	Active	109.80	15	35.33	1.47	33.86	3.00	- 30.86	09-05-91 (00:20)	Stopped operation at 21:00, 08-05-91
LPS-1002	MWSS Poblacion	14-27-43	120-57-19	Abandoned	-	20	41.90	0.58	41.32	2.70	- 38.62	05-05-91 (11:50)	-
LPS-2092	BF Resort Village #4 Pamplona	14-26-42	120-59-05	Abandoned	365.76	35	31.11	0.34	30.77	14.75	- 16.02	24-04-91 (14:15)	-
LPS-2097	Manila Doctors' Village	14-26-20	121-00-54	Inactive	121.95	20	36.00	0.00	36.00	20.00	- 16.00	23-04-91 (13:45)	-
LPS-2088	Moon Walk Subdivision Phase IA Moonwalk	14-25-40	120-59-48	Abandoned	213.36	25/20	33.12	0.63	32.49	24.00	- 8.49	23-04-91 (13:15)	-
LPS-2137	PII (Royal Oil Hill)	14-26-02	121-00-11	Inactive	146.34	25	37.03	0.07	36.96	24.50	- 12.46	23-04-91 (12:55)	-
MKT-1001	MWSS Pump #1 F. Zobel St., San Miguel Village	14-34-11	121-01-30	Inactive	245.40	30	27.65	0.38	27.27	3.50	- 23.77	26-04-91 (13:40)	-
MKT-1002	MWSS Pump #8 Jupiter Cor. N Garcia	14-33-52	121-01-14	Inactive	192.90	25	29.61	0.60	29.01	6.00	- 23.01	29-04-91 (13:05)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MKT-1007	MWSS Pump #22 Jupiter Cor. Polaris	14-33-50	121-01-39	Inactive	304.58	30	33.78	0.52	33.26	9.50	- 23.76	29-04-91 (14:10)	-
MKT-1004	MWSS Pump #11 Hydra Cor. Solar, Bel Air Vil.	14-33-45	121-02-00	Inactive	-	30	35.54	0.20	35.34	16.00	- 19.34	29-04-91 (14:00)	-
MKT-1011	MWSS Pump #31 Jupiter Cor. Paseo de Roxas	14-33-38	121-01-52	Inactive	213.40	30	45.14	0.56	44.58	9.00	- 35.58	29-04-91 (13:25)	-
MKT-1006	MWSS Pump #20 Jupiter Cor. Canopus	14-33-38	121-02-10	Inactive	213.40	30	39.79	0.61	39.18	10.00	- 29.18	29-04-91 (13:40)	-
MKT-1003	MWSS Pump #10A Urdaneta Ave. Cor. Cruzada St.	14-33-25	121-01-17	Inactive	246.90	30	36.21	0.30	35.91	8.50	- 27.41	29-04-91 (14:32)	-
MKT-1012	MWSS Pump #33 Makati Ave. Cor. Greenbelt Drive	14-33-12	121-01-02	Inactive	228.35	25	28.78	0.25	28.53	7.30	- 21.23	29-04-91 (14:55)	-
MKT-1009	MWSS Pump #28 Dela Rosa Ave. Cor. Herrera	14-33-46	121-01-08	Inactive	205.79	30	27.90	0.29	27.61	7.00	- 20.61	29-04-91 (14:43)	-
MKT-1010	MWSS Pump #29 Salcedo Cor. Aguirre	14-33-14	121-00-53	Inactive	304.87	30	29.83	0.30	29.53	5.00	- 24.53	29-04-91 (15:25)	-
MKT-1005	MWSS Pump #19	14-33-51	121-00-45	Inactive	307.90	30	21.50	0.56	20.94	5.80	- 15.14	29-04-91 (15:50)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
	Amorsolo Cor. Urban Ave.												
MKT-1021	MWSS Pump #12 Pili Ave. Cor. Tamarind	14-32-15	121-02-05	Inactive	-	40	47.00	0.00	47.00	12.00	- 35.00	23-04-91 (10:40)	-
MKT-1017	MWSS Pump #15 Banaba Circle, Forbes Park	14-32-48	121-01-53	Inactive	-	40	76.63	0.00	76.63	16.00	- 60.63	23-04-91 (13:10)	-
MKT-2176	MWSS Magallanes Village	14-32-01	121-01-10	Inactive	-	35	27.47	0.27	27.20	6.00	- 21.20	20-05-91 (16:04)	-
MKT-2069	MERALCO (Rockwell Thermal Plant) J. P. Rizal St.	14-34-04	121-02-09	Abandoned	-	25	29.00	0.50	28.50	3.00	- 25.50	30-04-91 (13:53)	-
MKT-1013	MWSS Pump #35 Real St. Cor. Recoletos	14-33-10	121-01-42	Inactive	-	30	42.10	0.15	41.95	11.00	- 30.95	30-04-91 (13:15)	-
MKT-1026	MWSS Pump #3 Flame Tree Cor. Mckinley	14-32-54	121-02-13	Inactive	-	40	85.77	0.00	85.77	23.50	- 62.27	23-04-91 (13:45)	-
MKT-1015	MWSS Pump #9 Narra St.	14-32-36	121-02-07	Inactive	-	30	96.76	0.55	96.21	26.30	- 69.91	23-04-91 (12:50)	-
MKT-1022	MWSS Pump #14 Cambridge St.	14-33-25	121-02-18	Inactive	-	30	42.44	0.35	42.09	16.20	- 25.89	23-04-91 (12:30)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MKT-2107	Fort Bonifacio Golf Club #1	14-33-09	121-02-52	Inactive	-	20	60.00	0.18	59.82	26.00	- 33.82	07-05-91 (13:45)	-
MKT-2108	Fort Bonifacio Golf Club #2	14-32-44	121-02-36	Inactive	-	20	70.31	0.18	70.13	34.00	- 36.13	07-05-91 (14:00)	-
MKT-2046	Colgate Palmolive Phils. J. P. Rizal St.	14-34-04	121-02-16	Abandoned	-	20	3.00	0.35	2.65	3.00	0.35	26-04-91 (14:50)	-
MLB-2139	Araneta Subdivision Everlasting St.	14-40-25	120-59-27	Abandoned	182.93	35	86.88	0.33	86.55	6.00	- 80.55	04-05-91 (13:20)	-
MLB-1002	MWSS Pump #2 Dampalit	14-41-08	120-56-28	Abandoned	-	20	17.28	0.24	17.04	2.00	- 15.04	04-05-91 (10:37)	-
MOL-2091	Sambayahan Condominium, Inc. Makaturing Cor. Kapok	14-34-23	121-02-25	Abandoned	-	25	36.00	0.30	35.70	13.00	- 22.70	30-04-91 (14:45)	-
MOL-2090	United Laboratories United St.	14-34-47	121-03-11	Inactive	-	20	66.94	0.00	66.94	40.00	- 26.94	08-05-91 (12:15)	-
MOL-1002	MWSS National Mental Hospital Near Sangrila Pavillion	14-34-51	121-02-32	Abandoned	227.44	25	48.10	0.17	47.93	26.00	- 21.93	08-05-91 (14:10)	-
MNL-2116	FEU Morayta	14-36-19	120-59-06	Abandoned	-	25	33.24	0.25	32.99	2.00	- 30.99	25-04-91 (11:33)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MNL-2045	Luneta Park #1 Left-side of Quirino Grandstand	14-34-50	120-58-27	Abandoned	366.00	20	43.69	0.00	43.69	2.00	- 41.69	25-04-91 (12:30)	-
MNL-2046	Luneta park #2 Right-side of Quirino Grandstand	14-34-59	120-58-22	Abandoned	317.60	20	82.05	0.00	82.05	2.00	- 80.05	25-04-91 (12:50)	-
MNL-1004	MWSS T. Paez Elem. Sch., Tondo	14-37-53	120-57-56	Abandoned	-	30	73.80	0.40	73.40	1.50	- 71.90	06-05-91 (12:55)	-
MNL-2082	Alhambra Cigar Tayuman	14-37-13	120-58-12	Inactive	112.80	20	6.00	0.29	5.71	3.60	- 2.11	06-05-91 (13:45)	-
MNL-2066	Caltex Phils. Pandacan	14-35-42	121-00-21	Abandoned	164.00	-	2.00	0.31	1.69	3.40	1.71	10-05-91 (11:20)	-
MNL-2029	PNR Tutuban Station A. Rivera, Tondo	14-36-33	120-58-19	Abandoned	-	20	7.91	0.00	7.91	2.00	- 5.91	20-05-91 (14:25)	-
MRK-2111	Marikina Greenheights #2	14-39-51	121-06-18	Abandoned	-	25	13.00	0.77	12.23	13.80	1.57	23-04-91 (13:30)	-
MRK-1002	MWSS San Roque Elem. Sch.	14-37-29	121-05-43	Inactive	135.01	30	33.84	1.18	32.66	9.00	- 23.66	24-04-91 (11:55)	-
MRK-1003	MWSS Industrial Valley	14-37-39	121-04-39	Abandoned	178.00	25	33.68	1.93	31.75	10.00	- 21.75	15-05-91 (11:05)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

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Groundwater Level Survey
End of Dry Season, April-May 1991

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MRK-1004	MWSS Malanday Elem. Sch.	14-39-05	121-05-37	Inactive	185.97	25	27.07	0.89	26.18	13.00	- 13.18	24-04-91 (11:05)	-
MRK-2076	SSS Village Busset Cor. Scarlet	14-38-41	121-06-57	Inactive	-	20	7.12	0.10	7.02	19.50	12.48	09-05-91 (11:50)	-
MRK-2078	SSS Village Cherry Cor. Sienna	14-38-28	121-07-01	Inactive	-	20	2.10	0.33	1.77	15.00	13.23	09-05-91 (12:00)	-
MRK-2063	SSS Village Lilac St. Cor. Molave	14-38-48	121-07-06	Inactive	-	20	26.40	0.00	26.40	36.50	10.10	09-05-91 (11:55)	-
MRK-2109	Marist Village	14-39-00	121-07-13	Inactive	-	30	4.30	0.56	3.74	23.00	19.26	09-05-91 (15:20)	-
MRK-2045	Boys Town Parang	14-40-04	121-07-10	Inactive	106.00	15	16.71	0.29	16.42	21.00	4.58	07-05-91 (13:30)	-
MRK-2051	Mar East Subdivision A. Luazon, San Roque	14-37-44	121-06-04	Abandoned	-	20	4.89	0.09	4.80	8.00	3.20	20-05-91 (10:55)	-
MTB-2002	Metro Montana Royal Subdivision	14-42-50	121-08-15	Active	-	20	15.30	0.42	14.88	20.20	5.32	23-04-91 (11:05)	-
MTB-2027	Christineville Subdivision #1 San Jose	14-44-36	121-07-44	Inactive	-	10	11.87	0.29	11.58	26.00	14.42	07-05-91 (11:00)	-
MTB-2028	Christineville Subdivision #2	14-44-37	121-07-43	Inactive	-	10	12.13	0.70	11.43	27.50	16.07	07-05-91 (11:05)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

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	San Jose												
MTB-2026	Barangay Deepwell San Jose	14-43-57	121-08-06	Inactive	-	15	9.79	0.40	9.39	20.00	10.61	23-05-91 (14:05)	-
MTL-2149	Bureau of Prison #5	14-22-53	121-01-46	Abandoned	-	25	61.46	0.27	61.19	56.00	- 5.19	29-04-91 (16:05)	-
MTL-2054	Sucat Overpass South Superhighway	14-27-19	121-02-39	Abandoned	-	-	48.70	0.38	48.32	24.00	- 24.32	29-04-91 (16:30)	-
MTL-2161	Interphil Laboratories Cupang	14-26-53	121-02-34	Inactive	304.88	20	148.40	0.32	148.08	8.00	-140.08	25-04-91 (14:30)	-
MTL-1001	MWSS BLISS	14-23-50	121-02-35	Active	243.90	25	21.38	0.56	20.82	8.00	- 12.82	25-05-91 (12:40)	Stopped operation at 9:20, 25-05-91
MTL-1002	MWSS Sucat Elem. Sch.	14-27-42	121-03-09	Active	302.00	25	24.68	0.91	23.77	2.25	- 21.52	25-05-91 (15:00)	Stopped operation at 11:20, 25-05-91
MTL-1007	MWSS Cupang Elem. Sch.	14-25-52	121-02-55	Active	286.58	25	15.05	1.08	13.97	3.00	- 10.97	26-05-91 (09:20)	Stopped operation at 5:55, 26-05-91
MTL-1005	MWSS Alabang Junction	14-25-09	121-02-35	Active	250.00	25	21.78	0.80	20.98	7.50	- 13.48	25-05-91 (16:35)	Stopped operation at 11:50, 25-05-91
MTL-1004	MWSS	14-23-09	121-03-00	Active	304.88	25	14.40	1.20	13.20	3.50	- 9.70	26-05-91 (10:00)	Stopped operation at

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

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	Tunasan												6:00, 26-05-91
MTL-1006	MWSS Putatan	14-24-08	121-02-57	Active	304.88	25	16.67	1.37	15.30	2.00	- 13.30	26-05-91 (14:20)	Stopped operation at 4:30, 26-05-91
NAV-2001	Luz Ice Plant North Bay Blvd.	14-38-26	120-57-22	Abandoned	305.00	25	87.33	0.55	86.78	3.00	- 83.78	15-05-91 (11:40)	-
NAV-2011	MWSS Pump #3 Apahap St., Dagat-dagatan	14-38-44	120-57-12	Abandoned	305.00	30	41.64	0.22	41.42	3.00	- 38.42	04-05-91 (16:35)	-
NOV-1004	MWSS Noveleta Central Noveleta Elem. Sch.	14-25-59	120-52-41	Active	304.80	25	35.45	0.93	34.52	4.00	- 30.52	09-05-91 (00:05)	Stopped operation at 20:30, 08-05-91
PRN-2149	Moonwalk Phase I	14-30-04	121-00-50	Abandoned	262.20	20	40.30	0.57	39.73	5.00	- 34.73	19-04-91 (16:30)	-
PRN-2018	BF Homes #6 Vinzon Cor. Jaena	14-26-31	121-01-16	Inactive	304.88	30	46.80	0.45	46.35	27.00	- 19.35	24-04-91 (15:00)	-
PRN-2046	BF Homes #27	14-27-37	121-00-27	Abandoned	-	20	110.12	0.27	109.85	11.50	- 98.35	24-04-91 (12:00)	-
PRN-2346	Aero Park Subdivision Columbia St.	14-28-58	121-02-05	Inactive	-	25	98.05	0.10	97.95	18.00	- 79.95	03-05-91 (13:55)	-
PRN-2347	Gatchalian Subdivision Blue Rd. Cor. Yellow Rd.	14-28-36	120-59-24	Abandoned	-	15	43.80	0.65	43.15	2.00	- 41.15	03-05-91 (15:07)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

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PRN-2143	Sun Valley Subdivision Lavander St.	14-29-36	121-02-18	Inactive	182.93	20	88.45	0.32	88.13	26.00	- 62.13	05-05-91 (10:50)	-
PRN-2315	BF Homes #23 Pablo Roman St.	14-26-46	121-00-35	Abandoned	302.00	25	113.00	0.00	113.00	20.00	- 93.00	24-04-91 (13:30)	-
PRN-1008	MWSS Pump #3 Sucat Rd. Near Fire Station	14-29-18	120-59-25	Abandoned	244.00	25	55.68	0.62	55.06	3.00	- 52.06	25-04-91 (13:40)	-
PRN-2158	Paranaque Municipal Hall	14-28-21	121-01-15	Abandoned	-	20	85.93	0.40	85.53	16.00	- 69.53	24-04-91 (15:25)	-
PRN-2026	BF Homes #11 Dela Rosa Cor. Recto	14-25-58	121-01-09	Abandoned	-	30	105.50	0.43	105.07	32.00	- 73.07	24-04-91 (15:00)	-
PRN-2084	Better Living Subdivision Christian St. Near Church	14-28-45	121-01-44	Inactive	304.87	25	94.00	0.00	94.00	26.00	- 68.00	03-05-91 (13:35)	-
PRN-2164	Marcelo Subdivision	14-28-42	121-02-00	Inactive	213.40	20	95.23	0.24	94.99	28.00	- 66.99	26-04-91 (13:50)	-
PSC-2087	Pasay Sports Center Derham St.	14-32-48	120-59-32	Abandoned	-	20	20.50	0.14	20.36	2.00	- 18.36	30-04-91 (14:25)	-
PSC-2042	School for the Deaf and Blind F. B. Harrison/J. S. Galvez	14-32-37	120-59-38	Abandoned	121.90	40	85.35	0.40	84.95	2.00	- 82.95	25-04-91 (12:30)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

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End of Dry Season, April-May 1991

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PSC-2045	Manila Sanitarium #2	14-33-28	120-59-37	Abandoned	305.00	20	102.95	0.40	102.55	2.00	-100.55	25-04-91 (11:35)	-
PSC-2016	Villamor Air Base #14	14-30-54	121-01-11	Inactive	249.90	20	75.62	0.20	75.42	18.00	- 57.42	09-05-91 (14:00)	-
PSC-2014	Villamor Air Base #12	14-31-27	121-00-57	Inactive	193.50	25	53.77	0.57	53.20	9.50	- 43.70	09-05-91 (14:10)	-
PSC-2012	Villamor Air Base #10	14-31-32	121-01-22	Inactive	192.00	25	53.27	0.40	52.87	8.80	- 44.07	09-05-91 (14:25)	-
PSC-2013	Villamor Air Base #11	14-31-43	121-00-39	Inactive	225.50	25	52.24	0.32	51.92	8.00	- 43.92	09-05-91 (14:40)	-
PSC-2043	DFA (Former ADB)	14-32-38	120-59-28	Abandoned	121.92	20	3.30	0.00	3.30	2.00	- 1.30	10-05-91 (13:45)	-
PSG-2256	National Steel Corp.	14-32-51	121-05-22	Abandoned	-	30	28.48	0.67	27.81	4.00	- 23.81	30-04-91 (14:50)	-
PSG-2257	Corones Development Corp. Concepcion St., Buting	14-33-18	121-04-15	Inactive	-	25	27.24	0.64	26.60	5.00	- 21.60	30-04-91 (15:25)	-
PSG-1005	MWSS Valle Verde 5 Spinach Cor. Celery	14-35-10	121-04-25	Inactive	-	45	75.34	0.37	74.97	9.00	- 65.97	17-05-91 (14:20)	-
PSG-2101	SENWANI Orambo	14-34-31	121-03-49	Abandoned	91.44	10	45.04	0.04	45.00	44.00	- 1.00	20-05-91 (13:10)	-
PSG-1002	MWSS Santolan	14-36-57	121-04-57	Inactive	213.41	25	61.74	0.00	61.74	10.00	- 51.74	15-05-91 (11:30)	-

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PSG-2056	Saniware Santolan	14-36-52	121-05-16	Inactive	121.91	15	72.68	0.25	71.43	9.80	- 61.63	15-05-91 (12:00)	-
PSG-2017	Allied Thread Co., Inc. #1 Sixto Antonio Ave.	14-34-54	121-05-02	Abandoned	182.90	20	51.40	0.66	50.74	5.00	- 45.74	26-04-91 (11:15)	-
QCT-2321	Commonwealth Heights Subdivision B. Soliven Ave.	14-42-14	121-05-10	Abandoned	-	15	57.04	0.70	56.34	76.00	19.66	25-04-91 (10:15)	-
QCT-2372	Kingspoint Subdivision #2 King Henry St., Bagbag, Novaliches	14-42-13	121-01-19	Abandoned	-	20	75.35	0.30	75.05	31.25	- 43.80	25-04-91 (13:40)	-
QCT-2342	Capitol Park Homes Berlin Ave.	14-40-24	121-05-23	Abandoned	182.93	15	23.32	0.28	23.04	50.00	26.96	25-04-91 (15:25)	-
QCT-2074	Quezon City Sports Club E. Rodriguez Ave. Cor. Sunny Side	14-37-28	121-01-35	Stand-by	243.90	20	23.86	0.65	23.21	22.00	- 1.21	23-04-91 (13:30)	-
QCT-2308	ABS-CBN Bohol Ave., South Triangle	14-38-29	121-02-06	Inactive	182.93	20/15	92.70	-0.35	93.05	30.00	- 63.05	23-04-91 (14:05)	-
QCT-2313	Jordan Plains Subdivision Sudifen St.	14-43-45	121-02-50	Inactive	190.55	25	10.45	0.36	10.09	56.00	45.91	19-04-91 (11:45)	-
QCT-2332	St. Paul College Aurora Blvd.	14-36-54	121-02-03	Inactive	-	5	17.58	0.50	17.08	21.70	4.62	10-05-91 (15:50)	-

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QCT-2421	Sta. Lucia Regalado North Fairview	14-43-10	121-03-48	Inactive	-	35	18.00	0.74	17.26	65.10	47.84	25-04-91 (13:25)	-
QCT-2608	Capitol Park-Ayala Village	14-40-31	121-05-14	Inactive	-	30	70.58	0.08	70.50	56.00	- 14.50	25-04-91 (14:40)	-
QCT-2323	Sta. Teresita College D. Tuazon Cor. M. Clara	14-37-50	121-00-04	Inactive	-	15	49.63	0.08	49.55	12.50	- 37.05	14-05-91 (15:40)	-
QCT-2607	Parkwood Subdivision	14-43-50	121-07-02	Active	-	20	91.61	0.26	91.35	104.00	12.65	22-05-91 (14:00)	-
QCT-2612	General Textile Libis	14-36-40	121-04-46	Inactive	-	40	83.60	0.16	83.44	9.00	- 74.44	15-05-91 (13:30)	-
QCT-2613	RCJ Lines Libis	14-36-49	121-04-38	Inactive	-	25	69.80	0.11	69.69	11.00	- 58.69	15-05-91 (14:30)	-
QCT-2243	COA Well #1 Commonwealth Ave.	14-41-33	121-05-15	Abandoned	275.00	15	19.52	0.00	19.52	89.00	69.48	25-04-91 (10:45)	-
QCT-2245	COA Well #3 Commonwealth	14-41-29	121-05-13	Abandoned	-	15	20.35	0.00	20.35	89.00	68.65	25-04-91 (10:55)	-
QCT-1003	MWSS IBP #3 Payatas	14-41-35	121-05-37	Inactive	304.80	30	31.13	0.52	30.61	89.00	58.39	25-04-91 (11:30)	-

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QCT-1010	MWSS Lagro #4 Lagro, Novaliches	14-43-53	121-03-51	Inactive	283.84	30	41.28	0.29	40.99	79.00	38.01	25-04-91 (14:40)	-
QCT-2174	BLISS Pagasa Pagasa	14-39-40	121-01-49	Inactive	-	20	26.28	0.20	26.08	34.00	7.92	25-04-91 (15:00)	-
QCT-2082	Adamson & Adamson Boni Serrano St.	14-36-38	121-02-41	Inactive	365.85	25/20	44.52	0.30	44.82	32.00	- 12.82	26-04-91 (13:10)	-
QCT-2271	Kingspoint Subdivision #1 King Christian Cor. King David, Bagbag, Novaliches	14-41-55	121-01-21	Abandoned	-	20	70.68	0.18	70.50	21.00	- 49.50	25-04-91 (13:45)	-
QCT-2609	Sanville Subdivision Cenacle Drive	14-40-15	121-02-51	Abandoned	-	20	76.58	0.15	76.43	38.00	- 38.43	25-04-91 (11:45)	-
QCT-2610	Garcia Heights Luzon Ave., Diliman	14-40-45	121-04-10	Abandoned	182.93	20	56.40	0.56	55.84	72.60	16.76	25-04-91 (11:45)	-
QCT-2611	New Capitol Estates Don Mariano Marcos Highway	14-40-53	121-04-59	Inactive	-	15	36.59	0.53	36.06	77.00	40.94	25-04-91 (10:20)	-
ROS-1001	MWSS Pandacan High Sch.	14-24-52	120-58-47	Abandoned	-	30	22.27	0.85	21.42	1.00	- 20.42	06-05-91 (12:30)	-
ROS-1007	MWSS	14-24-59	120-58-54	Abandoned	302.00	30	19.41	0.62	18.79	3.00	- 15.79	06-05-91 (13:45)	-

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	O. P. Jimenez St., Wawa												
SJW-2014	Baguio Oil F. Manalo	14-36-09	121-01-17	Abandoned	-	35	38.95	0.36	38.59	2.00	- 36.59	26-04-91 (14:00)	-
SMT-2029	Monterey Subdivision	14-39-33	121-08-09	Inactive	-	20	6.10	0.51	5.59	74.00	68.41	07-05-91 (13:50)	-
SMT-1009	MWSS Ampid II Sta. Maria	14-40-59	121-06-59	Newly drilled	195.12	25	9.89	0.58	9.31	16.00	6.69	20-05-91 (11:30)	-
SMT-1005	MWSS Ampid II Ampid	14-41-08	121-06-54	Abandoned	174.00	25	9.99	0.72	9.27	16.00	6.73	23-04-91 (13:00)	-
SMT-2030	Banker's Village	14-41-30	121-07-30	Stand-by	113.41	20	2.77	0.46	2.31	17.00	15.31	07-05-91 (12:25)	-
TGG-2035	Camp Bagong Diwa #3	14-29-15	121-03-16	Abandoned	114.42	15	49.12	0.18	48.94	29.00	- 19.94	30-04-91 (13:20)	-
TGG-2086	Camp Bagong Diwa #4	14-29-09	121-03-06	Inactive	114.42	20	61.42	0.15	61.27	12.00	- 49.27	30-04-91 (13:40)	-
TGG-2184	Taguig Municipal Hall M. L. Quezon	14-31-51	121-04-08	Inactive	-	25	25.44	0.48	24.96	2.00	- 22.96	30-04-91 (12:45)	-
TGG-2018	FTI DBP Ave.	14-30-23	121-02-28	Inactive	170.73	25	93.00	0.00	93.00	26.00	- 67.00	24-04-91 (13:00)	-
TYY-2021	Fibertex	14-35-05	121-09-05	Inactive	152.43	20	8.66	0.34	8.32	92.25	83.93	02-05-91 (11:50)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
	Provincial Rd., Dolores												
IYY-1002	MWSS Poblacion	14-34-19	121-07-51	Inactive	202.68	15	48.59	0.35	48.24	4.00	- 44.24	17-05-91 (13:10)	-
VLZ-2101	COSMOS A. Fernando St., Marulas	14-40-22	120-58-55	Abandoned	-	25	115.48	0.14	115.34	5.00	-110.34	04-05-91 (14:20)	-
VLZ-2165	Fil-Hispano McArthur Highway	14-41-58	120-57-42	Abandoned	236.00	30	76.14	0.00	76.14	7.00	- 69.14	04-05-91 (15:15)	-
VLZ-1002	MWSS Marulas Elem. Sch.	14-40-38	120-59-01	Inactive	305.40	20	129.13	0.73	128.40	11.00	117.40	06-05-91 (12:00)	
VLZ-1023	MWSS Kadiwa Center, Malanday	14-42-52	120-57-28	Inactive	304.00	20	125.34	1.29	124.06	2.00	-122.06	04-05-91 (15:40)	-
BUL-	Meycauayan Water District Poblacion, Meycauayan	14-44-10	120-57-23	Active	244.00	20	99.29	0.30	98.99	2.75	- 96.24	24-05-91 (14:50)	-
BUL-	Obando Water District Pagasa #2, Obando	14-42-32	120-56-13	Abandoned	150.00	10	58.94	0.80	58.14	2.00	- 56.14	23-05-91 (11:43)	-
BUL-	Obando Water District Pagasa #3, Obando	14-42-31	120-56-17	Abandoned	-	10	66.52	0.26	66.26	2.00	- 64.26	23-05-91 (12:00)	-
BUL-	Obando Water District	14-42-07	120-56-36	Abandoned	-	20	95.86	0.21	95.65	3.00	- 92.65	23-05-91 (12:15)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
	Panghulo, Obando												
BUL-	Dona Mercedes Village Meycauayan	14-44-35	120-58-15	Active	213.41	30	67.80	0.32	67.48	5.00	- 62.48	15-05-91 (14:58)	-
CAV-	Stateland Buenavista Gen. Trias	14-18-14	120-54-26	Active	45.73	30	16.06	0.23	15.83	100.00	84.17	15-05-91 (14:30)	-
CAV-	Phil. Indocoil Corp. San Fernando, Gen. Trias	14-18-15	120-55-20	Active	121.95	15	27.77	0.59	27.18	112.00	84.82	15-05-91 (15:05)	-
CAV-	Via Verde Village Near Ramona S. Tirona Memorial Sch. San Agustin, Dasmarinas	14-19-14	120-57-08	Stand-by	-	15	32.30	0.46	31.84	102.00	70.16	15-05-91 (16:15)	-
CAV-	Meralco Aguinaldo Highway, Dasmarinas	14-19-55	120-56-15	Active	-	20	18.11	0.33	17.78	70.00	52.22	15-05-91 (16:45)	-
LAG-	ACLEM (Converting Plant #1) San Pedro	14-22-14	121-02-56	Inactive	121.95	30	16.94	0.28	16.66	6.00	- 10.66	23-04-91 (15:25)	-
LAG-	ACLEM (Paper Mills #2) San Pedro	14-22-09	121-02-52	Inactive	121.95	30	10.20	0.23	9.97	8.00	- 1.97	23-04-91 (15:37)	-
LAG-	ACLEM (Pulp Mills Well #3) San Pedro	14-22-08	121-02-42	Abandoned	243.90	25	22.74	1.00	23.74	8.00	- 15.74	23-04-91 (15:45)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
End of Dry Season, April-May 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
RIZ-	Rainbow Village Violet St., Rainbow Vil., Angono	14-31-59	121-09-02	Inactive	-	15	20.30	0.44	19.86	9.50	- 10.36	17-05-91 (12:25)	-
RIZ-	Teresa Water District Pulang Lupa, Teresa	14-33-38	121-13-01	Inactive	182.93	25	4.18	0.44	3.74	50.00	46.26	21-05-91 (11:00)	-

SURVEY SEPTEMBER, 1991

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ms/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ms/bsl	Date (Time) of Measurement	Remarks
ATP-2126	Solid Cement #12 Tagbac	14-35-24	121-12-13	Newly drilled	152.44	20	3.80	0.61	3.19	78.50	75.31	28-08-91 (15:30)	-
ATP-2128	Robina Farms #4 Road to Teresa	14-34-47	121-11-23	Active	105.18	15	59.68	0.28	59.40	223.00	163.60	01-09-91 (12:00)	-
ATP-1010	MWSS Cogeo Pump #1 Cogeo	14-37-39	121-10-53	Inactive	-	20	4.24	0.48	3.76	115.75	111.99	16-08-91 (12:00)	-
ATP-1008	MWSS Cogeo Pump #3 Cogeo	14-37-28	121-10-01	Abandoned	-	20	3.37	0.28	3.09	112.00	108.91	16-08-91 (12:10)	-
ATP-2012	Coca-Cola Bottlers Phils. Sumulong Highway, Mayamot	14-38-10	121-06-45	Inactive	-	25	16.83	0.12	16.71	11.00	- 5.71	16-08-91 (11:35)	-
ATP-2129	Oro Vista Royal	14-37-48	121-08-29	Newly drilled	-	15	10.37	0.10	10.27	76.00	65.73	27-08-91 (11:00)	-
ATP-2062	Francis Ville Subdivision	14-37-29	121-08-18	Active	-	20	25.96	0.56	26.40	92.00	65.60	-	-
ATP-1018	MWSS Buliran Road	14-35-55	121-10-45	Newly drilled	-	30	55.21	1.14	54.07	225.00	170.93	-	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing masl/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level masl/bsl	Date (Time) of Measurement	Remarks
ATP-1006	MWSS Pump #6 Road to Teresa	14-34-55	121-10-50	Active	135.32	20	37.12	0.75	36.37	201.00	164.63	25-08-91 (12:30)	Stopped operation at 8:30
ATP-1004	MWSS Pump #4 Nursery	14-35-16	121-10-04	Active	190.00	20	28.00	0.94	27.06	187.20	160.14	24-08-91 (13:30)	Stopped operation at 9:30
ATP-1013	MWSS Pump #8 San Isidro Elem. Sch.	14-35-35	121-10-48	Active	177.00	20	25.56	1.15	24.41	200.00	175.59	25-08-91 (14:00)	Stopped operation at 9:30
ATP-1014	MWSS Pump #9 Ang Taharan	14-35-31	121-10-55	Active	213.00	25	31.85	0.64	31.21	196.00	164.79	24-08-91 (12:30)	Stopped operation at 8:30
ATP-1016	MWSS Pump #10 Saguinsin	14-35-39	121-10-15	Active	-	25	11.26	1.15	10.11	176.00	165.89	25-08-91 (15:30)	Stopped operation at 11:00
ATP-1001	MWSS Pump #1 M. L. Quezon	14-35-25	121-10-29	Active	83.82	15	21.25	0.45	20.81	189.50	168.79	25-08-91 (14:30)	Stopped operation at 10:30
ATP-1012	MWSS Pump #7 Sumulong Elem. Sch.	14-35-10	121-10-21	Active	153.00	20	33.00	1.10	31.90	195.00	164.10	24-08-91 (14:00)	Stopped operation at 10:00
ATP-1002	MWSS Pump #2 Sto. Nino	14-35-14	121-10-39	Active	153.06	20	25.83	0.23	25.60	195.00	170.40	25-08-91 (13:00)	Stopped operation at 9:00

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing masl	Water Level mbgs	Ground Elevation masl	Piezometric Level masl	Date (Time) of Measurement	Remarks
ATP-1005	MWSS Pump #5 Circumferential Road	14-34-54	121-10-12	Active	151.78	20	26.64	0.57	26.07	194.00	167.93	24-08-91 (14:30)	Stopped operation at 11:00
ATP-1003	MWSS Pump #3 P. Burgos	14-34-58	121-10-35	Active	150.87	15	32.15	0.14	32.05	199.00	166.95	24-08-91 (12:00)	Stopped operation at 8:00
ATP-2130	Joyous Heights Subdivision	14-35-09	121-11-32	Active	-	25	50.34	0.14	50.20	219.00	168.80	-	-
ATP-2035	Neyong Silangan Subdivision	14-34-11	121-10-52	Stand-by	-	20	2.46	0.30	2.16	200.00	197.84	28-08-91 (13:30)	-
BCR-1001	MWSS Daang Bukid	14-27-20	120-56-23	Inactive	-	30	95.17	1.07	94.10	1.00	- 93.10	-	-
BCR-1003	MWSS Bo. Niog	14-27-22	120-57-17	Active	274.32	25	45.94	0.74	45.20	2.00	- 43.20	-	-
BCR-1002	MWSS Poblacion	14-27-42	120-56-17	Active	129.54	25	55.08	0.10	54.98	2.00	- 52.98	28-08-91 (03:30)	Stopped operation at 23:00, 27-08-91
BCR-2055	New Town Homes GSIS	14-24-26	120-59-07	Newly drilled	-	20	12.51	0.50	12.01	29.00	16.99	04-09-91 (14:20)	-
BCR-2056	Baheyang Pagasa Phase V Molino	14-24-00	120-58-14	Inactive	158.54	20	16.62	0.32	16.30	32.00	15.70	23-09-91 (15:05)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
BCR-2016	Queen's Row Subdivision Molino	14-23-58	120-59-17	Inactive	-	30	19.95	0.45	19.50	42.00	22.50	-	-
CLC-2013	Bensan Industries 900 Gen. Luis St., Bagbaguin	14-43-05	121-00-08	Abandoned	244.00	15	113.70	0.70	113.00	29.50	- 83.50	30-08-91 (13:15)	-
CTA-1003	MWSS Sumulong Highway	14-38-09	121-06-18	Inactive	166.70	20	28.30	0.97	27.33	10.00	- 17.33	16-08-91 (11:20)	-
CTA-1004	MWSS Municipal Hall	14-34-45	121-06-55	Inactive	-	-	45.10	0.00	45.10	5.50	- 39.60	-	-
CTA-2085	Maries Subdivision St. John Cor. St. Bernadette	14-37-40	121-07-35	Inactive	-	25	27.00	0.30	26.70	25.00	- 1.70	27-08-91 (10:45)	-
CVC-2010	Sangley Point #5 Sangley Ave. Cor. Balayan	14-29-52	120-54-42	Inactive	127.70	20	24.46	0.16	24.30	2.00	- 22.30	23-08-91 (11:35)	-
CVC-2011	Sangley Point #6 Taaleno Cor. Purisima Concepcion	14-29-59	120-54-47	Inactive	242.51	20	24.55	0.44	24.11	2.00	- 22.11	23-08-91 (11:30)	-
CVC-1013	MWSS Barangay 39 Hall, Paterno St.	14-28-52	120-53-39	Inactive	270.90	25	40.55	0.30	40.25	1.50	- 38.75	23-08-91 (12:00)	-

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
CVC-1019	MWSS M. Castro, Caridad	14-28-57	120-53-36	Abandoned	257.50	25	13.04	0.30	12.74	1.50	- 11.24	23-08-91 (12:10)	-
CVC-1017	MWSS Pump #17 Antonio St., Dalahican	14-27-57	120-52-57	Active	252.90	25	37.57	0.22	37.45	1.80	- 35.65	28-08-91 (01:00)	Stopped operation at 21:00, 27-08-91
CVC-2008	Sangley Point #3 Sangley Point Ave. cor. Ladislao	14-29-39	120-54-13	Abandoned	243.80	20	19.40	0.40	19.00	1.30	- 17.70	-	-
IMS-2015	OPNH Imus Municipal Hall	14-25-46	121-56-03	Abandoned	-	15	2.21	0.15	2.06	6.00	3.94	22-08-91 (13:10)	-
IMS-2016	NIA Anabu-2	14-21-58	120-56-17	Abandoned	200.00	30	7.81	0.49	7.32	42.00	34.68	22-08-91 (13:00)	-
IMS-2017	NIA Kalsadang Bago	14-25-50	120-55-10	Abandoned	-	20	3.35	0.45	2.90	6.00	3.10	22-08-91 (13:20)	-
IMS-2010	Palas Atena Subdivision	14-23-03	120-56-07	Inactive	-	20	6.37	0.39	5.98	28.00	22.02	23-08-91 (13:35)	-
IMS-2011	Villa Nicasia	14-25-15	120-56-29	Active	-	20	3.44	0.24	3.20	8.20	5.00	-	-
IMS-2012	Chin Su Phils., Inc.	14-26-08	120-56-46	Active	-	15	6.75	0.41	6.34	6.00	- 0.34	-	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
IMS-2013	San Miguel Subdivision	14-22-19	120-58-33	Abandoned	-	15	26.07	0.63	25.46	58.00	32.54	-	-
IMS-2014	Chan Bros., Inc.	14-23-51	120-56-12	Abandoned	-	10	4.98	0.70	4.28	20.00	15.72	23-08-91 (13:20)	-
KWT-1006	MWSS Tirona Elem. Sch., Tirona	14-26-31	120-54-37	Inactive	-	30	39.41	0.92	38.49	2.00	- 36.49	22-08-91 (13:55)	-
KWT-1007	MWSS Malamak	14-26-52	120-54-37	Active	-	25	55.75	1.15	54.60	1.50	- 53.10	-	-
KWT-1003	MWSS Sta. Isabel	14-26-01	120-52-58	Active	109.80	15	35.68	1.47	34.21	3.00	- 31.21	28-08-91 (02:00)	Stopped operation at 22:00, 27-08-91
LPS-1002	MWSS Poblacion	14-27-43	120-57-19	Abandoned	-	20	42.46	0.58	41.88	2.70	- 39.18	26-08-91 (13:55)	
LPS-2097	Manila Doctors' Village	14-26-20	121-00-54	Inactive	121.95	20	36.40	0.00	36.40	20.00	- 16.40	-	-
LPS-2088	Moon Walk Subdivision Phase IA Moonwalk	14-25-40	120-59-48	Abandoned	213.36	25/20	33.70	0.63	33.07	24.00	- 9.07	28-08-91 (14:50)	-
LPS-2137	PII (Royal Oil Mill)	14-26-02	121-00-11	Inactive	146.34	25	36.28	0.07	36.21	24.50	- 11.71	28-08-91 (14:40)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing masl/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level masl/bsl	Date (Time) of Measurement	Remarks
LPS-2179	BF Resort Pamplona	14-27-45	120-57-59	Newly drilled	305.00	25	71.24	0.34	70.90	2.00	- 68.90	-	-
LPS-2030	Casimiro Development Corp.	14-26-17	120-58-29	Abandoned	-	15	47.13	0.43	46.70	1.20	- 45.50	-	-
LPS-2180	BF Homes F. Dela Cruz St.	14-26-27	120-58-24	Inactive	-	25	107.43	0.43	107.00	8.00	- 99.00	-	-
MKT-1001	MWSS Pump #1 F. Zobel St., San Miguel Village	14-34-11	121-01-30	Inactive	245.40	30	28.42	0.38	28.04	3.50	- 24.54	21-08-91 (10:45)	-
MKT-1002	MWSS Pump #8 Jupiter Cor. N Garcia	14-33-52	121-01-14	Inactive	192.90	25	30.66	0.60	30.06	6.00	- 24.06	21-08-91 (12:30)	-
MKT-1007	MWSS Pump #22 Jupiter Cor. Polaris	14-33-50	121-01-39	Inactive	304.58	30	35.18	0.52	34.66	9.50	- 25.16	21-08-91 (10:55)	-
MKT-1004	MWSS Pump #11 Hydra Cor. Solar, Bel Air Vil.	14-33-45	121-02-00	Inactive	-	30	35.65	0.20	35.45	16.00	- 19.45	21-08-91 (11:05)	-
MKT-1006	MWSS Pump #20 Jupiter Cor. Canopus	14-33-38	121-02-10	Inactive	213.40	30	40.28	0.61	39.67	10.00	- 29.67	21-08-91 (11:20)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MKT-1003	MWSS Pump #10A Urdaneta Ave. Cor. Cruzada St.	14-33-25	121-01-17	Inactive	246.90	30	37.56	0.30	37.26	8.50	- 28.76	21-08-91 (11:25)	-
MKT-1012	MWSS Pump #33 Makati Ave. Cor. Greenbelt Drive	14-33-12	121-01-12	Inactive	228.35	25	30.76	0.25	30.51	7.30	- 23.21	21-08-91 (11:45)	-
MKT-1009	MWSS Pump #28 Dela Rosa Ave. Cor. Herrera	14-33-46	121-01-08	Inactive	205.79	30	29.18	0.29	28.89	7.00	- 21.89	21-08-91 (12:15)	-
MKT-1010	MWSS Pump #29 Salcedo Cor. Aguirre	14-33-14	121-00-53	Inactive	304.87	30	30.50	0.30	30.20	5.00	- 25.20	-	-
MKT-1005	MWSS Pump #19 Amorsolo Cor. Urban Ave.	14-33-51	121-00-45	Inactive	307.90	30	21.51	0.56	20.95	5.80	- 15.15	21-08-91 (12:20)	-
MKT-1021	MWSS Pump #12 Pili Ave. Cor. Tamarind Road	14-32-15	121-02-05	Inactive	-	40	47.06	0.00	47.06	12.00	- 35.06	20-08-91 (11:00)	-
MKT-1017	MWSS Pump #15 Banaba Circle, Forbes Park	14-32-48	121-01-53	Inactive	-	40	75.70	0.00	75.70	16.00	- 59.70	20-08-91 (11:20)	-
MKT-2176	MWSS Magallanes Village	14-32-01	121-01-10	Inactive	-	35	26.17	0.27	25.90	6.00	- 19.90	-	-

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MKT-2069	MERALCO (Rockwell Thermal Plant) J. P. Rizal St.	14-34-04	121-02-09	Abandoned	-	25	27.85	0.50	27.35	3.00	- 24.35	03-09-91 (13:30)	-
MKT-1013	MWSS Pump #35 Real St. Cor. Recoletos	14-33-09	121-01-42	Inactive	-	30	42.95	0.15	42.80	11.00	- 31.80	-	-
MKT-1026	MWSS Pump #3 Flame Tree Cor. Mckinley	14-32-54	121-02-13	Inactive	-	40	87.50	0.00	87.50	23.50	- 64.00	-	-
MKT-1015	MWSS Pump #9 Narra St.	14-32-36	121-02-07	Inactive	-	30	98.75	0.55	98.20	26.30	- 71.90	-	-
MKT-1022	MWSS Pump #14 Cambridge St.	14-33-25	121-02-18	Inactive	-	30	43.15	0.35	42.80	16.20	- 26.60	-	-
MKT-2107	Manila Polo Club #1 Forbes Park, Fort Bonifacio	14-33-09	121-02-52	Inactive	-	20	60.98	0.18	60.80	26.00	- 34.80	-	-
MKT-2108	Manila Polo Club #2 Forbes Park, Fort Bonifacio	14-32-44	121-02-36	Inactive	-	20	71.38	0.18	71.20	34.00	- 37.20	-	-
MLB-2139	Araneta Subdivision Everlasting St.	14-40-25	120-59-27	Abandoned	182.93	35	89.13	0.33	88.80	6.00	- 82.80	-	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MLB-1002	MWSS Pump #2 Dempalit	14-41-08	120-56-28	Abandoned	-	20	19.78	0.24	19.54	2.00	- 17.54	24-09-91 (13:00)	-
MLB-1006	MWSS Pump #3 Niogan	14-40-13	120-57-11	Abandoned	-	20	40.75	0.50	40.25	5.00	-35.25	26-08-91 (13:35)	-
MDL-2091	Sambahayan Condominium, Inc. Makaturing Cor. Kapok	14-34-23	121-02-25	Abandoned	-	25	36.60	0.30	36.30	13.00	- 23.30	-	-
MDL-2090	United Laboratories United St.	14-34-47	121-03-11	Inactive	-	20	67.70	0.00	67.70	40.00	- 27.70	-	-
MDL-1002	National Mental Hospital Near Sangrila Pavillion	14-34-51	121-02-32	Abandoned	227.44	25	48.40	0.17	48.23	26.00	- 22.23	06-09-91 (13:05)	-
MNL-2115	FEU Morayta	14-36-19	120-59-06	Abandoned	-	25	33.67	0.25	33.42	2.00	- 31.42	26-08-91 (15:52)	-
MNL-2046	Luneta Park #2 Right-side of Quirino Grandstand	14-34-59	120-58-22	Abandoned	-	20	77.07	0.00	77.07	2.00	- 75.07	25-08-91 (15:08)	-
MNL-1003	MWSS T. Paez Elem. Sch., Tondo	14-37-53	120-57-56	Abandoned	-	30	74.29	0.40	73.80	1.50	- 72.30	03-09-91 (13:10)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MNL-2082	Alhambra Cigar Tayuman	14-37-13	120-58-12	Inactive	-	20	6.15	0.29	5.86	3.60	- 2.26	03-09-91 (12:00)	-
MNL-2066	Caltex Phils. Pandacan	14-35-42	121-00-21	Abandoned	-	-	2.10	0.31	1.79	3.40	1.61	03-09-91 (15:30)	-
MNL-2029	PNR Tutuban Station A. Rivera, Tondo	14-36-33	120-58-19	Abandoned	-	20	8.15	0.00	8.15	2.00	- 6.15	03-09-91 (11:30)	-
MRK-2111	Marikina Greenheights #2	14-39-51	121-06-18	Abandoned	-	25	11.18	0.77	10.41	13.80	3.39	15-08-91 (10:50)	-
MRK-2110	Marikina Greenheights #1	14-40-05	121-05-23	Abandoned	-	30	11.90	0.89	11.01	15.00	3.99	15-08-91 (10:55)	-
MRK-1003	MWSS Industrial Valley	14-37-39	121-04-39	Abandoned	178.00	25	34.33	1.93	32.40	10.00	- 22.40	-	-
MRK-1004	MWSS Malanday Elem. Sch.	14-39-05	121-05-37	Inactive	185.97	25	24.98	0.89	24.09	13.00	- 11.09	16-08-91 (10:55)	-
MRK-2104	SSS Village Busset Cor. Scarlet	14-38-41	121-06-57	Inactive	-	20	5.60	0.10	5.50	19.50	14.00	20-08-91 (12:20)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
MRK-2105	SSS Village Cherry Cor. Sienna	14-38-28	121-07-01	Inactive	-	20	1.04	0.33	0.71	15.00	14.29	20-08-91 (12:30)	-
MRK-2108	SSS Village Lilac St. Cor. Molave	14-38-48	121-07-06	Inactive	-	20	25.52	0.00	25.52	36.50	10.98	20-08-91 (12:40)	-
MRK-2109	Marist Village	14-39-00	121-07-13	Inactive	-	30	1.70	0.56	1.14	23.00	21.86	20-08-91 (12:45)	-
MTB-2002	Metro Montana Royal Subdivision	14-42-54	121-08-29	Active	-	20	13.40	0.42	12.98	20.20	7.22	15-08-91 (14:00)	-
MTB-2027	Christineville Subdivision #1 San Jose	14-44-36	121-07-44	Inactive	-	10	6.48	0.29	6.19	26.00	19.81	15-08-91 (13:30)	-
MTB-2026	Barangay Deepwell San Jose	14-43-57	121-08-06	Inactive	-	15	9.71	0.40	9.31	20.00	10.69	23-09-91 (13:30)	-
MTL-2149	Bureau of Prison MS	14-22-53	121-01-46	Abandoned	-	25	64.10	0.27	63.83	56.00	- 7.83	31-08-91 (14:30)	-
MTL-2054	Sucat Overpass South Superhighway	14-27-19	121-02-39	Abandoned	-	-	49.38	0.38	49.00	24.00	- 25.00	-	-
MTL-2161	Interphil Laboratories Cupang	14-26-53	121-02-34	Inactive	304.88	20	124.02	0.32	123.70	8.00	-115.70	01-10-91 (15:30)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing masl/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level masl/bsl	Date (Time) of Measurement	Remarks
MTL-1001	MWSS BLISS	14-23-50	121-02-35	Active	243.90	25	19.64	0.55	19.08	8.00	- 11.08	31-08-91 (12:50)	Stopped operation at 8:00, 31-08-91
MTL-1002	MWSS Sucat Elem. Sch.	14-27-42	121-03-09	Active	-	25	21.39	0.91	20.48	2.25	- 18.23	07-09-91 (10:00)	-
MTL-1007	MWSS Cupang Elem. Sch.	14-25-52	121-02-55	Active	286.58	25	12.78	1.08	11.70	3.00	- 8.70	07-09-91 (11:00)	-
MTL-1005	MWSS Alabang Junction	14-25-09	121-02-35	Active	250.00	25	20.44	0.80	19.64	7.50	- 12.14	31-08-91 (11:15)	Stopped operation at 7:00, 31-08-91
MTL-1004	MWSS Tunasan	14-23-09	121-03-00	Active	304.88	25	12.55	1.20	11.35	3.50	- 7.85	31-08-91 (14:00)	Stopped operation at 9:00, 31-08-91
MTL-1006	MWSS Putatan	14-24-08	121-02-57	Active	304.88	25	15.11	1.37	13.74	2.00	- 11.74	31-08-91 (19:30)	Stopped operation at 3:30, 31-08-91
NAV-2001	Luz Ice Plant North Bay Blvd.	14-36-26	120-57-22	Abandoned	-	25	90.10	0.55	89.55	3.00	- 86.55	03-09-91 (14:00)	-
NAV-1001	MWSS Pump #3 Apahap St., Dagat-dagatan	14-38-44	120-57-12	Abandoned	305.00	30	42.72	0.22	42.50	3.00	- 39.50	26-08-91 (12:10)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mags	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
NOV-1004	MWSS Novaleta Central Novaleta Elem. Sch.	14-25-59	120-52-41	Active	304.80	25	35.68	0.93	34.75	4.00	- 30.75	28-08-91 (01:30)	Stopped operation at 21:30. 27-08-91
NOV-1002	MWSS Pump #7 Abandoned Railroad	14-25-32	120-52-32	Active	-	25	42.84	0.94	41.90	2.00	- 39.90	-	-
NOV-1001	MWSS Pump #6 Abandoned Railroad	14-25-25	120-52-20	Inactive	298.70	25	37.68	1.42	36.26	2.20	- 34.06	27-08-91 (13:35)	-
PRN-2149	Moonwalk Phase I	14-30-04	121-00-50	Abandoned	262.20	20	40.20	0.57	39.63	5.00	- 34.63	02-09-91 (16:00)	-
PRN-2018	BF Homes #5 Vinzon Cor. Jaena	14-26-31	121-01-16	Inactive	304.88	30	47.98	0.45	47.53	27.00	- 20.53	28-08-91 (13:50)	-
PRN-2046	BF Homes #27	14-27-37	121-00-27	Abandoned	-	20	112.97	0.27	112.70	11.50	-101.20	-	-
PRN-2346	Aero Park Subdivision Columbia St.	14-28-58	121-02-05	Inactive	-	25	97.83	0.10	97.73	18.00	- 79.73	22-08-91 (15:10)	-
PRN-2347	Getchalian Subdivision Blue Rd. Cor. Yellow Rd.	14-28-36	120-59-24	Abandoned	-	15	41.98	0.65	41.33	2.00	- 39.33	28-08-91 (13:15)	-

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
PRN-2143	Sun Valley Subdivision Levander St.	14-29-38	121-02-17	Inactive	182.93	20	87.52	0.32	87.20	26.00	- 61.20	-	-
PRN-2061	BF Homes #23 Pablo Roman St.	14-26-45	121-00-35	Abandoned	-	25	108.10	0.00	108.10	20.00	- 88.10	-	-
PRN-1001	MWSS Pump #1 Sucat Rd.	14-28-24	121-00-14	Abandoned	243.00	25	37.84	0.14	37.70	14.00	- 23.70	23-08-91 (12:10)	-
PRN-1008	MWSS Pump #3 Sucat Rd. Near Fire Station	14-29-18	120-59-25	Abandoned	244.00	25	31.12	0.62	30.50	3.00	- 27.50	-	-
PRN-2158	Paranaque Municipal Hall	14-28-21	121-01-15	Abandoned	-	20	85.00	0.40	84.60	16.00	- 68.60	-	-
PRN-2026	BF Homes #11 Dela Rosa Cor. Recto	14-25-58	121-01-09	Abandoned	-	30	105.80	0.43	105.37	32.00	- 73.37	23-08-91 (15:00)	-
PRN-2342	BF Homes Buencamino Cor. Wilson	14-26-19	121-01-24	Inactive	-	25	103.04	0.44	102.60	32.00	- 70.60	-	-
PRN-2084	Better Living Subdivision Christian St. Near Church	14-28-45	121-01-44	Inactive	-	25	93.30	0.00	93.30	26.00	- 67.30	22-08-91 (14:50)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
PRN-2345	BF Homes Tropical Cor. Hirashima	14-27-05	121-00-19	Newly drilled	-	25	87.28	0.58	86.70	15.00	- 71.70	23-08-91 (14:00)	-
PRN-2154	Marcelo Subdivision #3	14-26-42	121-02-00	Inactive	243.90	20	97.14	0.24	96.90	28.00	- 68.90	03-09-91 (15:51)	-
PSC-2087	Pasay Sports Center Derham St.	14-32-48	120-59-32	Abandoned	-	20	20.60	0.14	20.46	2.00	- 18.46	21-08-91 (14:15)	-
PSC-2042	School for the Deaf and Blind F. B. Harrison/J. S. Galvez	14-32-37	120-59-38	Abandoned	121.90	40	59.13	0.40	58.73	2.00	- 56.73	21-08-91 (13:55)	-
PSC-2045	Manila Sanitarium #2	14-33-28	120-59-37	Abandoned	103.66	20	105.80	0.40	105.40	2.00	-103.40	-	-
PSC-2016	Villamor Air Base #14	14-30-54	121-01-11	Inactive	-	20	74.23	0.20	74.03	18.00	- 56.03	20-08-91 (14:30)	-
PSC-2014	Villamor Air Base #12	14-31-27	121-00-57	Inactive	-	25	52.20	0.57	51.63	9.50	- 42.13	20-08-91 (14:40)	-
PSC-2012	Villamor Air Base #10	14-31-32	121-01-22	Inactive	-	25	52.23	0.40	51.83	8.80	- 43.03	20-08-91 (14:50)	-
PSC-2013	Villamor Air Base #11	14-31-45	121-00-39	Inactive	-	25	52.05	0.32	51.73	8.00	- 43.73	20-08-91 (15:00)	-
PSC-2043	DFA (Former ADB)	14-32-38	120-59-26	Abandoned	-	20	2.95	0.00	2.95	2.00	- 0.95	26-08-91 (14:37)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
PSG-2256	National Steel Corp.	14-32-51	121-05-22	Abandoned	-	30	28.55	0.67	27.88	4.00	- 23.88	21-08-91 (15:50)	-
PSG-2018	Allied Thread Co., Inc. #2 Sixto Antonio Ave.	14-34-54	121-04-57	Inactive	-	25	42.55	0.13	42.42	5.00	- 36.62	21-08-91 (13:50)	-
PSG-2257	Corones Development Corporation Concepcion St., Buting	14-33-18	121-04-15	Inactive	-	25	27.42	0.64	26.78	5.00	- 21.78	21-08-91 (15:08)	-
PSG-1005	MWSS Valle Verde 5 Spinach Cor. Celery	14-35-22	121-04-29	Inactive	-	45	65.87	0.37	65.50	9.00	- 56.50	-	-
PSG-2101	SEHWANI Oranbo	14-34-31	121-03-49	Abandoned	-	10	66.91	0.04	66.87	44.00	- 22.87	28-08-91 (11:54)	-
PSG-1002	MWSS Santolan	14-36-57	121-04-57	Inactive	-	25	63.20	0.00	63.20	10.00	- 53.72	-	-
PSG-2056	Saniware Santolan	14-36-52	121-05-15	Inactive	-	15	76.25	0.25	76.00	9.80	- 66.20	29-08-91 (14:30)	-
PSG-2017	Allied Thread Co., Inc. #1 Sixto Antonio Ave.	14-34-54	121-05-02	Abandoned	-	20	54.34	0.66	53.68	5.00	- 48.78	21-08-91 (13:45)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

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QCT-2372	Kingspoint Subdivision #2 King Henry St., Bagbag, Novaliches	14-42-13	121-01-19	Abandoned	-	20	76.59	0.30	76.29	31.25	- 45.04	15-08-91 (13:25)	-
QCT-2342	Capitol Park Homes Berlin Ave.	14-40-24	121-05-23	Abandoned	182.93	15	23.52	0.28	23.24	50.00	26.75	19-09-91 (14:20)	-
QCT-2074	Quezon City Sports Club E. Rodriguez Ave. Cor. Sunny Side	14-37-28	121-01-35	Stand-by	243.90	20	21.37	0.65	20.72	22.00	1.28	03-09-91 (11:12)	-
QCT-2308	ABS-CBN Bohol Ave., South Triangle	14-38-29	121-02-06	Inactive	182.93	20/15	94.54	-0.35	94.99	30.00	- 64.99	03-09-91 (10:50)	-
QCT-2313	Jordan Plains Subdivision Sudifen St.	14-43-45	121-02-50	Inactive	190.55	25	7.86	0.36	7.50	56.00	48.50	19-09-91 (15:50)	-
QCT-2332	St. Paul College Aurora Blvd.	14-36-54	121-02-03	Inactive	-	5	15.20	0.50	14.70	21.70	7.00	-	-
QCT-2421	Sta. Lucia Regalado North Fairview	14-43-10	121-03-48	Active	-	35	8.68	0.74	7.94	65.10	57.16	19-09-91 (16:15)	Stopped operation at 21:00, 18-09-91
QCT-2323	Sta. Teresita College D. Tuazon cor. M. Clara	14-37-50	121-00-04	Inactive	-	15	50.25	0.08	50.17	12.50	- 37.67	04-09-91 (17:30)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
QCT-2623	Parkwood Subdivision	14-43-50	121-07-02	Active	-	20	89.16	0.26	88.90	104.00	15.10	-	-
QCT-2612	General Textile Libis	14-36-40	121-04-46	Inactive	-	40	85.66	0.16	85.50	9.00	- 76.50	-	-
QCT-2613	RCJ Lines Libis	14-36-49	121-04-38	Inactive	-	25	71.51	0.11	71.40	11.00	- 60.40	-	-
QCT-2243	COA Well #1 Commonwealth Ave.	14-41-33	121-05-15	Abandoned	275.00	15	15.28	0.00	15.28	89.00	73.72	21-08-91 (10:10)	-
QCT-2245	COA Well #3 Commonwealth Ave.	14-41-29	121-05-13	Abandoned	-	15	17.60	0.00	17.60	89.00	71.40	-	-
QCT-1003	MWSS IBP #3 Payatas	14-41-35	121-05-37	Inactive	304.80	30	31.74	0.52	31.22	89.00	57.78	15-08-91 (11:00)	-
QCT-2174	BLISS Pagasa Pagasa	14-39-40	121-01-49	Inactive	-	20	26.28	0.20	27.64	34.00	7.64	15-08-91 (14:45)	-
QCT-2082	Adamson & Adamson Boni Serrano St.	14-36-38	121-02-41	Inactive	365.85	25	31.70	0.30	31.40	32.00	0.60	23-09-91 (11:10)	-

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
QCT-2271	Kinspoint Subdivision #1 King Christian cor. King David. Bagbag, Novaliches	14-41-55	121-01-21	Abandoned	-	20	70.79	0.18	70.61	21.00	- 49.61	15-09-91 (13:40)	-
QCT-2609	Sanville Subdivision Cenacle Drive	14-40-15	121-02-51	Abandoned	-	20	77.30	0.15	77.15	38.00	- 39.15	27-09-91 (10:20)	-
QCT-2610	Garcia Heights Luzon Ave., Diliman	14-40-45	121-04-10	Abandoned	182.93	20	49.54	0.56	48.98	72.60	23.62	30-08-91 (11:37)	-
QCT-2611	New Capitol Estates Don Mariano Marcos Hi-way	14-40-53	121-04-59	Inactive	-	15	34.03	0.53	33.50	77.00	43.50	-	-
QCT-1015	MWSS D. Tuazon Pumping Station D. Tuazon St.	14-38-11	120-59-46	Inactive	244.00	20	8.39	0.30	8.09	11.00	2.91	-	-
QCT-2614	Filinvest Homes I	14-41-00	121-05-24	Inactive	-	20	21.10	0.00	21.10	82.00	60.90	-	-
QCT-2616	Oriental Quirino Hi-way, Balintawak	14-39-54	121-00-02	Abandoned	-	20	58.26	0.15	58.10	24.00	- 44.10	24-09-91 (16:30)	-
QCT-2617	Bliss Pasong Tamo Himlayan Road	14-40-36	121-02-43	Abandoned	-	20	80.25	0.65	79.60	46.00	- 33.60	-	-

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
ROS-1005	MWSS Pump #4 Abandoned Railroad	14-25-20	120-52-10	Inactive	304.80	25	44.20	1.30	42.90	3.30	- 39.60	-	-
ROS-1002	MWSS Pump #1 Abandoned Railroad	14-25-03	120-51-33	Inactive	304.80	25	33.22	0.66	32.56	6.00	- 26.56	27-08-91 (12:45)	-
ROS-1003	MWSS Pump #2 Abandoned Railroad	14-25-10	120-51-48	Inactive	304.80	25	35.50	0.90	34.60	6.00	- 28.60	-	-
ROS-1001	MWSS Pandacan High School	14-24-52	120-50-47	Abandoned	-	30	22.93	0.85	22.08	1.00	- 21.08	22-08-91 (14:50)	-
ROS-1007	MWSS Mewe D.P. Jimenez St.	14-24-59	120-50-56	Abandoned	302.00	30	22.20	0.62	21.58	3.00	- 18.58	22-08-91 (14:40)	-
SJN-2013	Baguio Oil F. Manalo	14-36-12	121-01-18	Abandoned	-	30	21.40	2.40	19.00	2.00	- 17.00	-	-
SMT-2029	Monterey Subdivision	14-39-33	121-08-09	Inactive	-	20	1.39	0.51	0.88	74.00	73.12	20-08-91 (13:30)	-
SMT-1009	MWSS Ampid II Sta. Maria	14-40-59	121-06-59	Newly drilled	195.12	25	3.62	0.58	3.04	16.00	12.96	15-08-91 (11:20)	-

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
SMT-1005	MWSS Ampid II Ampid	14-41-08	121-05-54	Abandoned	174.00	25	8.91	0.72	8.19	16.00	7.81	15-08-91 (07:00)	-
SMT-2031	Bancom Life Homes	14-40-49	121-07-35	Abandoned	-	20	6.51	0.31	6.20	22.00	16.20	-	-
TGG-2085	Camp Bagong Diwa #3	14-29-15	121-03-16	Abandoned	114.42	15	48.07	0.18	47.89	29.00	- 18.89	22-08-91 (13:30)	-
TGG-2086	Camp Bagong Diwa #4	14-29-09	121-03-06	Inactive	114.42	20	61.61	0.15	61.46	12.00	- 49.46	22-08-91 (13:40)	-
TGG-2184	Taguig Municipal Hall M.L. Quezon	14-31-51	121-04-08	Inactive	-	25	25.85	0.48	25.37	2.00	- 23.37	21-08-91 (15:10)	-
TGG-2018	Food Terminal, Inc. DBP Ave.	14-30-23	121-02-29	Inactive	170.73	25	91.10	0.00	91.10	26.00	- 65.10	-	-
TGG-2017	Food Terminal, Inc. FTI Ave. cor. Electronics Ave.	14-30-11	121-02-41	Abandoned	170.73	30	92.91	0.58	92.33	28.00	- 64.33	21-08-91 (15:15)	-
TYY-2021	Fibertex Provincial Road, Dolores	14-35-05	121-09-05	Inactive	152.43	20	8.80	0.34	8.46	92.25	83.79	28-08-91 (13:00)	-
TYY-1002	MWSS Poblacion Sumulong	14-34-19	121-07-51	Inactive	202.68	15	49.75	0.35	49.40	4.00	- 45.40	16-08-91 (15:05)	-

STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA

JICA-MWSS

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing masl/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level masl/bsl	Date (Time) of Measurement	Remarks
VLZ-2101	COSMOS A. Fernando St., Marulas	14-40-22	120-58-55	Abandoned	-	25	110.22	0.14	110.08	5.00	-105.08	30-08-91 (14:45)	-
VLZ-2155	Fil Hispano McArthur Hi-way	14-41-58	120-57-42	Abandoned	236.00	30	78.00	0.00	78.00	7.00	- 71.00	-	-
VLZ-1002	MWSS Marulas Elem. School	14-40-38	120-59-01	Inactive	305.40	20	142.53	0.73	141.80	11.00	-130.80	-	-
VLZ-1008	MWSS Kadiwa Center, Malanday	14-42-52	120-57-28	Inactive	304.00	20	126.00	1.29	124.71	2.00	-122.71	26-08-91 (14:50)	-
VLZ-2064	Fortune Village 19th St., Fortune Village	14-41-58	120-59-27	Inactive	-	30	72.97	0.37	72.60	11.00	- 61.60	-	-
BUL-	Meycauayan Water District Poblacion, Meycauayan	14-44-10	120-57-23	Active	244.00	20	98.15	0.30	97.85	2.75	- 95.10	-	-
BUL-	Obando Water District Pagasa #2, Obando	14-42-32	120-56-13	Abandoned	150.00	10	58.00	0.80	57.20	2.00	- 55.20	-	-
BUL-	Obando Water District Pagasa #3, Obando	14-42-31	120-56-17	Abandoned	-	10	58.36	0.26	58.10	2.00	- 56.10	24-09-91 (13:55)	-

Groundwater Level Survey
Wet Season, August-September 1991

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
BUL-	Obando Water District Panghulo, Obando	14-42-07	120-56-36	Abandoned	-	20	96.32	0.21	96.11	3.00	- 93.11	24-09-91 (13:40)	-
BUL-	Dona Mercedes Village Meycauayan	14-44-35	120-58-15	Active	213.41	30	69.56	0.32	69.24	5.00	- 64.24	-	-
CAV-	Stateland Buenavista General Trias	14-18-14	120-54-26	Active	45.73	30	15.17	0.23	14.94	100.00	85.06	04-09-91 (11:45)	-
CAV-	Phil. Indocoil Corporation San Fernando, Gen. Trias	14-18-15	120-55-20	Active	121.95	15	24.99	0.59	24.40	112.00	87.60	-	-
CAV-	Via Verde Village Near Ramona S. Tirona High School San Agustin, Desmarinas	14-19-14	120-57-08	Stand-by	-	15	32.47	0.46	32.01	102.00	69.99	04-09-91 (13:00)	-
CAV-	Meralco Aguinaldo Hi-way, Desmarines	14-19-55	120-56-15	Active	-	20	17.85	0.33	17.52	70.00	52.48	04-09-91 (13:35)	-
LAG-	ACLEM (Converting Plant #1) San Pedro, Laguna	14-22-14	121-02-56	Inactive	121.95	30	16.73	0.28	16.45	6.00	- 10.45	02-09-91 (11:30)	-

Well Code	Owner and Location	Latitude	Longitude	Well Status	Well Depth m	Casing Diameter cm	Water Level Below Top of Casing m	Top of Casing ma/bgs	Water Level mbgs	Ground Elevation masl	Piezometric Level ma/bsl	Date (Time) of Measurement	Remarks
RIZ-	Rainbow Village Violet St., Rainbow Vill., Angono	14-31-59	121-09-02	Inactive	-	15	20.56	0.44	20.12	9.50	- 10.62	28-08-91 (12:30)	-
RIZ-	Teresa Water District Pulang Lupa, Teresa	14-33-38	121-13-01	Inactive	182.93	25	1.09	0.44	0.65	50.00	49.35	28-08-91 (14:00)	-
LPS-	JICA-MWSS Site 1 Well #1, Las Pinas	14-28-24	120-58-38	Test Well	300.00	20	-	-	46.05	2.00	- 44.05	-	-
LPS-	JICA-MWSS Site 2 Well #1, Las Pinas	14-28-05	120-58-07	Test Well	300.00	20	-	-	52.10	2.00	- 50.10	-	-
LPS-	JICA-MWSS Site 3, Las Pinas	14-27-35	120-58-08	Test Well	300.00	20	-	-	65.77	4.00	- 61.77	-	-