

## **4. GROUNDWATER LEVEL MONITORING DATA**



MONTH	DAY	GROUNDWATER LEVEL ELEVATION (MASL)				
		SAN JUAN	ST. MARTIN	SANTIAGO	LANGKAAN	LALAAAN
JUNE	7	14.70		57.22		
JUNE	8	14.71		57.22		
JUNE	9	14.70		57.20		
JUNE	10	14.69		57.19		
JUNE	11	14.67		57.18		
JUNE	12	14.65		57.16		
JUNE	13	14.67	225.84	57.15		
JUNE	14	14.68	225.92	57.15		
JUNE	15	14.70	225.92	57.15		
JUNE	16	14.70	225.91	57.15		
JUNE	17	14.69	225.91	57.14	94.08	386.02
JUNE	18	14.69	225.89	57.15	94.10	385.82
JUNE	19	14.71	225.82	57.16	94.11	385.92
JUNE	20	14.71	225.79	57.16	94.06	385.82
JUNE	21	14.71	225.79	57.17	94.08	385.93
JUNE	22	14.80	225.82	57.20	94.17	385.89
JUNE	23	14.84	225.77	57.24	94.19	385.89
JUNE	24	14.81	225.75	57.24	94.19	385.70
JUNE	25	14.81	225.75	57.24	94.12	385.66
JUNE	26	14.84	225.77	57.26	94.06	385.83
JUNE	27	14.87	225.79	57.27	94.06	385.72
JUNE	28	14.87	225.83	57.27	94.07	385.51
JUNE	29	14.88	225.91	57.27	94.10	385.78
JUNE	30	14.90	225.81	57.27	94.17	385.73
JULY	1	14.91	225.75	57.27	94.14	385.68
JULY	2	14.91	225.50	57.28	94.09	385.62
JULY	3	14.90	225.69	57.29	94.07	385.67
JULY	4	14.97	225.67	57.31	94.03	385.63
JULY	5	14.99	225.69	57.31	93.98	385.62
JULY	6	15.05	225.71	57.33	93.98	385.62
JULY	7	15.14	225.71	57.36	93.98	385.52
JULY	8	15.14	225.75	57.35	93.95	385.60
JULY	9	15.19	225.79	57.36	94.06	385.53
JULY	10	15.28	225.80	57.43	94.39	385.52
JULY	11	15.32	225.75	57.45	94.38	385.58
JULY	12	15.31	225.71	57.47	94.31	385.54
JULY	13	14.22	225.71	57.47	94.28	385.62
JULY	14	10.73	225.75	57.50	94.23	385.63
JULY	15	10.76	225.77	57.50	94.18	385.64
JULY	16	10.76	225.71	57.51	94.11	385.63
JULY	17	10.76	225.72	57.51	94.12	385.64
JULY	18	10.85	225.75	57.54	94.14	385.65
JULY	19	10.90	225.74	57.56	94.11	385.66
JULY	20	10.91	225.73	57.56	94.08	385.70
JULY	21	10.91	225.74	57.56	94.03	385.74
JULY	22	10.91	225.76	57.55	93.97	385.77
JULY	23	10.91	225.77	57.55	93.96	385.78
JULY	24	10.90	225.80	57.53	94.03	385.80
JULY	25	11.04	225.84	57.57	94.04	385.83
JULY	26	11.10	225.92	57.57	94.01	385.97
JULY	27	11.14	225.95	57.59	94.03	386.18
JULY	28	11.22	225.91	57.61	94.06	386.38
JULY	29	11.29	225.90	57.64	94.09	386.59
JULY	30	11.30	225.89	57.65	94.03	386.85
JULY	31	11.26	225.87	57.65	94.01	387.12
AUGUST	1	11.26	225.88	57.64	94.00	387.34
AUGUST	2	11.30	225.89	57.65	94.00	387.55
AUGUST	3	11.26	225.88	57.66	94.03	387.76
AUGUST	4	11.23	225.87	57.66	94.08	387.94

MONTH	DAY	GROUNDWATER LEVEL ELEVATION (MASL)				
		SAN JUAN	ST. MARTIN	SANTIAGO	LANGKAAN	LALAAAN
AUGUST	5	11.20	225.94	57.65	94.09	388.10
AUGUST	6	11.18	225.86	57.66	94.07	388.25
AUGUST	7	11.16	225.83	57.66	94.08	388.37
AUGUST	8	11.12	225.85	57.65	94.04	388.20
AUGUST	9	11.10	225.83	57.64	93.99	388.56
AUGUST	10	11.10	225.84	57.64	93.94	388.55
AUGUST	11	11.06	225.85	57.63	93.91	388.72
AUGUST	12	11.03	225.90	57.62	93.91	388.78
AUGUST	13	11.01	225.88	57.61	94.00	388.83
AUGUST	14	10.98	225.96	57.61	94.02	388.87
AUGUST	15	10.99	225.94	57.60	93.99	388.90
AUGUST	16	10.97	225.90	57.60	93.98	388.92
AUGUST	17	10.95	225.90	57.59	93.94	388.94
AUGUST	18	10.95	225.93	57.58	93.93	388.97
AUGUST	19	10.94	225.93	57.58	93.90	388.98
AUGUST	20	10.92	225.93	57.58	93.88	388.98
AUGUST	21	10.93	225.93	57.59	93.86	388.98
AUGUST	22	10.90	225.90	57.58	93.83	388.98
AUGUST	23	10.90	225.90	57.57	93.83	389.00
AUGUST	24	10.93	225.95	57.58	93.83	389.01
AUGUST	25	10.96	225.95	57.59	93.83	389.02
AUGUST	26	10.94	225.99	57.59	93.80	389.01
AUGUST	27	10.92	225.91	57.58	93.78	389.02
AUGUST	28	10.94	225.91	57.57	93.81	389.03
AUGUST	29	10.93	225.94	57.57	93.90	389.04
AUGUST	30	11.09	225.99	57.56	93.93	389.06
AUGUST	31	11.01	226.00	57.56	93.96	389.08
SEPTEMBER	1	11.08	225.98	57.56	93.99	389.10
SEPTEMBER	2	11.18	225.97	57.57	93.98	389.12
SEPTEMBER	3	11.28	225.95	57.58	93.96	389.13
SEPTEMBER	4	11.00	225.96	57.58	93.93	389.14
SEPTEMBER	5	11.08	225.96	57.58	93.89	389.16
SEPTEMBER	6	11.03	225.97	57.58	93.90	389.17
SEPTEMBER	7	11.27	225.93	57.58	93.86	389.17
SEPTEMBER	8	10.98	225.98	57.56	93.81	389.18
SEPTEMBER	9	10.85	226.02	57.55	93.78	389.19
SEPTEMBER	10	10.72	226.04	57.57	93.75	389.18
SEPTEMBER	11	10.65	226.02	57.57	93.73	389.16
SEPTEMBER	12	11.07	225.97	57.58	93.69	389.15
SEPTEMBER	13	10.83	225.99	57.57	93.67	389.15
SEPTEMBER	14	10.42	226.04	57.56	93.65	389.14
SEPTEMBER	15	10.57	226.04	57.57	93.67	389.13
SEPTEMBER	16	10.24	226.07	57.58	93.68	389.12
SEPTEMBER	17	10.51	226.05	57.58	93.69	389.12
SEPTEMBER	18	10.71	226.03	57.59	93.71	389.11
SEPTEMBER	19	10.73	226.00	57.59	93.73	389.09
SEPTEMBER	20	10.72	226.01	57.60	93.74	389.08
SEPTEMBER	21	10.58	226.02	57.60	93.71	389.06
SEPTEMBER	22	10.38	226.04	57.59	93.75	389.05
SEPTEMBER	23	10.44	226.03	57.60	93.74	389.04
SEPTEMBER	24	10.56	226.03	57.59	93.73	389.03
SEPTEMBER	25	10.48	226.04	57.59	93.74	389.02
SEPTEMBER	26	10.54	226.04	57.59	93.70	389.01
SEPTEMBER	27	10.77	226.01	57.59	93.64	389.03
SEPTEMBER	28	10.66	226.02	57.59	93.68	389.05
SEPTEMBER	29	10.84	226.00	57.62	93.69	389.09
SEPTEMBER	30	10.94	225.97	57.61	93.67	389.18
OCTOBER	1	10.97	225.97	57.61	93.68	389.28
OCTOBER	2	10.88	225.99	57.60	93.70	389.35

MONTH	DAY	GROUNDWATER LEVEL ELEVATION (MASL)				
		SAN JUAN	ST. MARTIN	SANTIAGO	LANGKAAN	LALAAAN
OCTOBER	3	10.92	225.97	57.59	93.70	389.40
OCTOBER	4	10.80	225.98	57.58	93.65	389.43
OCTOBER	5	10.71	225.99	57.57	93.59	389.45
OCTOBER	6	10.53	226.01	57.56	93.59	389.40
OCTOBER	7	10.37	226.04	57.55	93.58	389.46
OCTOBER	8	10.47	226.04	57.55	93.56	389.46
OCTOBER	9	10.82	225.99	57.54	93.55	389.45
OCTOBER	10	10.83	225.99	57.54	93.55	389.44
OCTOBER	11	10.83	225.98	57.54	93.55	389.43
OCTOBER	12	11.04	225.95	57.53	93.59	389.41
OCTOBER	13	10.84	225.97	57.52	93.60	389.39
OCTOBER	14	11.00	225.95	57.51	93.57	389.38
OCTOBER	15	10.89	225.97	57.50	93.60	389.35
OCTOBER	16	10.92	225.97	57.50	93.61	389.35
OCTOBER	17	10.95	225.96	57.50	93.59	389.29
OCTOBER	18	11.03	225.96	57.48	93.57	389.29
OCTOBER	19	10.74	226.00	57.46	93.54	389.28
OCTOBER	20	9.83	226.12	57.44	93.66	389.15
OCTOBER	21	10.14	226.13	57.55	93.86	389.35
OCTOBER	22	10.39	226.04	57.55	93.92	389.62
OCTOBER	23	10.46	226.02	57.56	93.91	389.84
OCTOBER	24	10.41	226.03	57.58	93.91	390.09
OCTOBER	25	10.23	226.06	57.58	93.87	390.25
OCTOBER	26	10.05	226.08	57.59	93.81	390.36
OCTOBER	27	10.10	226.07	57.58	93.79	390.44
OCTOBER	28	10.03	226.08	57.58	93.81	390.28
OCTOBER	29	10.26	226.05	57.59	93.81	390.50
OCTOBER	30	10.46	226.00	57.58	93.83	390.53
OCTOBER	31	9.47	226.09	57.57	93.83	390.49
NOVEMBER	1	9.34	226.10	57.56	93.75	390.55
NOVEMBER	2	10.49	225.99	57.56	93.46	390.44
NOVEMBER	3	10.47	225.99	57.55	93.49	390.56
NOVEMBER	4	10.35	226.00	57.54	93.40	390.43
NOVEMBER	5	10.13	226.03	57.52	93.22	390.53
NOVEMBER	6	10.13	226.04	57.52	93.33	390.52
NOVEMBER	7	10.28	226.02	57.52	93.36	390.18
NOVEMBER	8	10.26	226.01	57.52	93.30	390.43
NOVEMBER	9	10.25	226.01	57.51	93.18	390.44
NOVEMBER	10	9.87	226.06	57.50	93.29	390.43
NOVEMBER	11	10.05	226.05	57.49	93.29	390.36
NOVEMBER	12	10.14	226.04	57.48	93.15	390.38
NOVEMBER	13	10.07	226.05	57.47	93.15	390.36
NOVEMBER	14	10.37	226.02	57.46	93.23	390.33
NOVEMBER	15	10.60	225.99	57.45	93.22	390.20
NOVEMBER	16	10.66	225.98	57.45	93.22	390.28
NOVEMBER	17	10.55	225.99	57.45	93.37	390.26
NOVEMBER	18	10.14	226.03	57.44	93.34	390.23
NOVEMBER	19	10.08	226.04	57.43	93.24	390.20
NOVEMBER	20	10.25	226.02	57.41	93.37	390.17
NOVEMBER	21	10.16	226.04	57.41	93.41	390.15
NOVEMBER	22	10.06	226.04	57.41	93.42	389.87
NOVEMBER	23	9.97	226.05	57.40	93.29	390.05
NOVEMBER	24	8.88	226.16	57.38	93.33	390.05
NOVEMBER	25	9.13	226.15	57.37	93.27	390.02
NOVEMBER	26	10.24	226.03	57.37	93.34	390.00
NOVEMBER	27	9.87	226.07	57.37	93.52	389.98
NOVEMBER	28	9.99	226.05	57.37	93.37	389.95
NOVEMBER	29	10.45	226.00	57.37	93.37	389.46
NOVEMBER	30			57.37	93.37	389.86

LOCATION : ST. MARTIN SUBDIVISION  
 BARANGAY SABUTAN, SILANG, CAVITE  
 ELEVATION : 267 m  
 TOP OF CASING TO GRD : 0.25 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
JUNE	13	1	1478.2	980.4	497.8	5.08	225.84
JUNE	14	2	1485.6	979.2	506.4	5.16	225.92
JUNE	15	3	1484.9	978.6	506.3	5.16	225.92
JUNE	16	4	1483.1	978.5	504.6	5.15	225.91
JUNE	17	5	1481.8	977.3	504.5	5.15	225.91
JUNE	18	6	1479.8	976.6	503.2	5.13	225.89
JUNE	19	7	1474.1	977.6	496.5	5.06	225.82
JUNE	20	8	1471.7	978.8	492.9	5.03	225.79
JUNE	21	9	1471.3	978.6	492.7	5.03	225.79
JUNE	22	10	1473.9	977.9	496.0	5.06	225.82
JUNE	23	11	1469.5	978.1	491.4	5.01	225.77
JUNE	24	12	1468.3	979.4	488.9	4.99	225.75
JUNE	25	13	1468.8	979.1	489.7	4.99	225.75
JUNE	26	14	1470.0	978.4	491.6	5.01	225.77
JUNE	27	15	1471.5	978.8	492.7	5.03	225.79
JUNE	28	16	1475.7	979.0	496.7	5.07	225.83
JUNE	29	17	1482.8	978.1	504.7	5.15	225.91
JUNE	30	18	1472.5	977.3	495.2	5.05	225.81
JULY	1	19	1467.6	978.2	489.4	4.99	225.75
JULY	2	20	1443.2	978.4	464.8	4.74	225.50
JULY	3	21	1461.8	978.9	482.9	4.93	225.69
JULY	4	22	1459.8	978.9	480.9	4.91	225.67
JULY	5	23	1461.6	978.5	483.1	4.93	225.69
JULY	6	24	1462.9	977.7	485.2	4.95	225.71
JULY	7	25	1462.1	977.1	485.0	4.95	225.71
JULY	8	26	1464.7	975.6	489.1	4.99	225.75
JULY	9	27	1466.4	973.4	493.0	5.03	225.79
JULY	10	28	1467.5	973.3	494.2	5.04	225.80
JULY	11	29	1467.2	978.1	489.1	4.99	225.75
JULY	12	30	1464.5	978.7	485.8	4.95	225.71
JULY	13	31	1464.3	979.1	485.2	4.95	225.71
JULY	14	32	1468.5	979.1	489.4	4.99	225.75
JULY	15	33	1469.6	978.9	490.7	5.01	225.77
JULY	16	34	1463.1	978.1	485.0	4.95	225.71
JULY	17	35	1464.3	977.8	486.5	4.96	225.72
JULY	18	36	1466.1	977.2	488.9	4.99	225.75
JULY	19	37	1466.1	977.6	488.5	4.98	225.74
JULY	20	38	1466.3	978.6	487.7	4.97	225.73
JULY	21	39	1466.8	978.5	488.3	4.98	225.74
JULY	22	40	1468.3	978.0	490.3	5.00	225.76
JULY	23	41	1468.9	977.8	491.1	5.01	225.77
JULY	24	42	1471.4	976.8	494.6	5.04	225.80
JULY	25	43	1473.9	975.4	498.5	5.08	225.84
JULY	26	44	1480.7	975.0	505.7	5.16	225.92
JULY	27	45	1483.6	974.3	509.3	5.19	225.95
JULY	28	46	1478.7	973.9	504.8	5.15	225.91
JULY	29	47	1477.0	973.5	503.5	5.14	225.90
JULY	30	48	1477.3	974.8	502.5	5.13	225.89
JULY	31	49	1477.1	975.8	501.3	5.11	225.87
AUGUST	1	50	1479.2	977.6	501.6	5.12	225.88
AUGUST	2	51	1480.0	976.8	503.2	5.13	225.89
AUGUST	3	52	1480.2	977.8	502.4	5.12	225.88
AUGUST	4	53	1479.8	978.9	500.9	5.11	225.87
AUGUST	5	54	1487.4	979.4	508.0	5.18	225.94

LOCATION : ST. MARTIN SUBDIVISION  
 BARANGAY SABUTAN, SILANG, CAVITE  
 ELEVATION : 267 m  
 TOP OF CASING TO GRD : 0.25 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
AUGUST	6	55	1478.5	978.9	499.6	5.10	225.86
AUGUST	7	56	1477.1	979.9	497.2	5.07	225.83
AUGUST	8	57	1480.3	981.2	499.1	5.09	225.85
AUGUST	9	58	1478.2	980.9	497.3	5.07	225.83
AUGUST	10	59	1477.8	980.1	497.7	5.08	225.84
AUGUST	11	60	1479.1	980.0	499.1	5.09	225.85
AUGUST	12	61	1483.1	979.0	504.1	5.14	225.90
AUGUST	13	62	1480.1	978.4	501.7	5.12	225.88
AUGUST	14	63	1487.4	977.9	509.5	5.20	225.96
AUGUST	15	64	1486.8	978.6	508.2	5.18	225.94
AUGUST	16	65	1483.4	979.3	504.1	5.14	225.90
AUGUST	17	66	1481.9	978.4	503.5	5.14	225.90
AUGUST	18	67	1482.8	976.3	506.5	5.17	225.93
AUGUST	19	68	1482.9	976.1	506.8	5.17	225.93
AUGUST	20	69	1483.3	976.2	507.1	5.17	225.93
AUGUST	21	70	1483.6	977.1	506.5	5.17	225.93
AUGUST	22	71	1482.9	978.8	504.1	5.14	225.90
AUGUST	23	72	1482.9	978.8	504.1	5.14	225.90
AUGUST	24	73	1486.4	977.9	508.5	5.19	225.95
AUGUST	25	74	1486.8	978.4	508.4	5.19	225.95
AUGUST	26	75	1492.5	979.5	513.0	5.23	225.99
AUGUST	27	76	1484.8	979.7	505.1	5.15	225.91
AUGUST	28	77	1484.1	979.3	504.8	5.15	225.91
AUGUST	29	78	1486.3	978.4	507.9	5.18	225.94
AUGUST	30	79	1490.0	977.3	512.7	5.23	225.99
AUGUST	31	80	1490.8	976.8	514.0	5.24	226.00
SEPTEMBER	1	81	1490.0	977.9	512.1	5.22	225.98
SEPTEMBER	2	82	1488.9	978.5	510.4	5.21	225.97
SEPTEMBER	3	83	1487.8	979.2	508.6	5.19	225.95
SEPTEMBER	4	84	1490.5	980.4	510.1	5.20	225.96
SEPTEMBER	5	85	1489.8	979.9	509.9	5.20	225.96
SEPTEMBER	6	86	1490.3	979.7	510.6	5.21	225.97
SEPTEMBER	7	87	1487.8	980.5	507.3	5.17	225.93
SEPTEMBER	8	88	1490.9	978.6	512.3	5.22	225.98
SEPTEMBER	9	89	1492.4	976.7	515.7	5.26	226.02
SEPTEMBER	10	90	1493.8	976.4	517.4	5.28	226.04
SEPTEMBER	11	91	1494.2	978.6	515.6	5.26	226.02
SEPTEMBER	12	92	1489.9	979.5	510.4	5.21	225.97
SEPTEMBER	13	93	1492.3	979.4	512.9	5.23	225.99
SEPTEMBER	14	94	1496.6	978.5	518.1	5.28	226.04
SEPTEMBER	15	95	1495.2	977.5	517.7	5.28	226.04
SEPTEMBER	16	96	1498.5	977.8	520.7	5.31	226.07
SEPTEMBER	17	97	1495.8	977.1	518.7	5.29	226.05
SEPTEMBER	18	98	1493.8	977.1	516.7	5.27	226.03
SEPTEMBER	19	99	1493.4	979.3	514.1	5.24	226.00
SEPTEMBER	20	100	1493.5	978.9	514.6	5.25	226.01
SEPTEMBER	21	101	1494.9	979.4	515.5	5.26	226.02
SEPTEMBER	22	102	1496.9	979.4	517.5	5.28	226.04
SEPTEMBER	23	103	1496.3	979.1	517.2	5.27	226.03
SEPTEMBER	24	104	1495.1	978.8	516.3	5.27	226.03
SEPTEMBER	25	105	1496.0	978.1	517.9	5.28	226.04
SEPTEMBER	26	106	1495.4	977.8	517.6	5.28	226.04
SEPTEMBER	27	107	1493.1	978.4	514.7	5.25	226.01
SEPTEMBER	28	108	1494.1	978.6	515.5	5.26	226.02

LOCATION : ST. MARTIN SUBDIVISION  
 BARANGAY SABUTAN, SILANG, CAVITE  
 ELEVATION : 267 m  
 TOP OF CASING TO GRD : 0.25 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
SEPTEMBER	29	109	1492.3	979.0	513.3	5.24	226.00
SEPTEMBER	30	110	1491.2	979.9	511.3	5.21	225.97
OCTOBER	1	111	1490.9	979.7	511.2	5.21	225.97
OCTOBER	2	112	1491.8	979.5	512.3	5.23	225.99
OCTOBER	3	113	1491.3	980.9	510.4	5.21	225.97
OCTOBER	4	114	1492.5	981.0	511.5	5.22	225.98
OCTOBER	5	115	1493.4	980.5	512.9	5.23	225.99
OCTOBER	6	116	1495.2	980.4	514.8	5.25	226.01
OCTOBER	7	117	1497.0	978.9	518.1	5.28	226.04
OCTOBER	8	118	1496.1	978.2	517.9	5.28	226.04
OCTOBER	9	119	1492.4	979.3	513.1	5.23	225.99
OCTOBER	10	120	1492.3	979.7	512.6	5.23	225.99
OCTOBER	11	121	1492.3	980.2	512.1	5.22	225.98
OCTOBER	12	122	1490.1	980.9	509.2	5.19	225.95
OCTOBER	13	123	1492.0	981.6	510.4	5.21	225.97
OCTOBER	14	124	1490.4	981.1	509.3	5.19	225.95
OCTOBER	15	125	1491.6	980.8	510.8	5.21	225.97
OCTOBER	16	126	1491.3	980.7	510.6	5.21	225.97
OCTOBER	17	127	1490.9	981.1	509.8	5.20	225.96
OCTOBER	18	128	1490.2	980.7	509.5	5.20	225.96
OCTOBER	19	129	1493.2	979.5	513.7	5.24	226.00
OCTOBER	20	130	1502.6	977.6	525.0	5.36	226.12
OCTOBER	21	131	1500.0	973.3	526.7	5.37	226.13
OCTOBER	22	132	1496.8	979.5	517.3	5.28	226.04
OCTOBER	23	133	1495.9	980.4	515.5	5.26	226.02
OCTOBER	24	134	1496.5	979.8	516.7	5.27	226.03
OCTOBER	25	135	1498.4	979.0	519.4	5.30	226.06
OCTOBER	26	136	1500.2	978.9	521.3	5.32	226.08
OCTOBER	27	137	1499.7	978.9	520.8	5.31	226.07
OCTOBER	28	138	1500.5	978.6	521.9	5.32	226.08
OCTOBER	29	139	1498.0	979.8	518.2	5.29	226.05
OCTOBER	30	140	1495.8	981.8	514.0	5.24	226.00
OCTOBER	31	141	1505.6	983.1	522.5	5.33	226.09
NOVEMBER	1	142	1506.9	983.3	523.6	5.34	226.10
NOVEMBER	2	143	1495.4	982.8	512.6	5.23	225.99
NOVEMBER	3	144	1495.6	982.8	512.8	5.23	225.99
NOVEMBER	4	145	1496.8	982.7	514.1	5.24	226.00
NOVEMBER	5	146	1499.1	982.2	516.9	5.27	226.03
NOVEMBER	6	147	1499.1	981.7	517.4	5.28	226.04
NOVEMBER	7	148	1497.6	982.2	515.4	5.26	226.02
NOVEMBER	8	149	1497.7	982.9	514.8	5.25	226.01
NOVEMBER	9	150	1497.8	983.1	514.7	5.25	226.01
NOVEMBER	10	151	1501.7	982.2	519.5	5.30	226.06
NOVEMBER	11	152	1499.9	981.7	518.2	5.28	226.04
NOVEMBER	12	153	1499.1	981.4	517.7	5.28	226.04
NOVEMBER	13	154	1499.7	981.5	518.2	5.29	226.05
NOVEMBER	14	155	1496.7	981.4	515.3	5.26	226.02
NOVEMBER	15	156	1494.4	981.7	512.7	5.23	225.99
NOVEMBER	16	157	1493.8	981.9	511.9	5.22	225.98
NOVEMBER	17	158	1494.8	982.1	512.7	5.23	225.99
NOVEMBER	18	159	1499.0	982.1	516.9	5.27	226.03
NOVEMBER	19	160	1499.6	982.2	517.4	5.28	226.04
NOVEMBER	20	161	1497.8	982.3	515.5	5.26	226.02
NOVEMBER	21	162	1498.8	981.6	517.2	5.28	226.04



LOCATION : ST. MARTIN SUBDIVISION  
 BARANGAY SABUTAN, SILANG, CAVITE  
 ELEVATION : 267 m  
 TOP OF CASING TO GRD : 0.25 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
NOVEMBER	22	163	1499.8	982.0	517.8	5.28	226.04
NOVEMBER	23	164	1500.7	982.0	518.7	5.29	226.05
NOVEMBER	24	165	1511.7	981.8	529.9	5.40	226.16
NOVEMBER	25	166	1509.2	981.2	528.0	5.38	226.14
NOVEMBER	26	167	1498.0	981.5	516.5	5.27	226.03
NOVEMBER	27	168	1501.8	981.2	520.6	5.31	226.07
NOVEMBER	28	169	1500.5	982.1	518.4	5.29	226.05
NOVEMBER	29	170	1495.9	981.7	514.2	5.24	226.00

LOCATION : BARANGAY SANTIAGO  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 60 m  
 TOP OF CASING TO GRD : 0.495 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
JUNE	7	1	2521.8	1004.8	1517.0	15.47	57.22
JUNE	8	2	2522.3	1005.1	1517.2	15.47	57.22
JUNE	9	3	2520.5	1005.1	1515.4	15.46	57.20
JUNE	10	4	2519.3	1005.2	1514.1	15.44	57.19
JUNE	11	5	2518.4	1005.3	1513.1	15.43	57.18
JUNE	12	6	2517.2	1005.4	1511.8	15.42	57.16
JUNE	13	7	2516.4	1005.7	1510.7	15.41	57.15
JUNE	14	8	2515.4	1005.1	1510.3	15.40	57.15
JUNE	15	9	2515.6	1004.8	1510.8	15.41	57.15
JUNE	16	10	2515.3	1004.8	1510.5	15.41	57.15
JUNE	17	11	2513.6	1004.2	1509.4	15.40	57.14
JUNE	18	12	2514.2	1003.8	1510.4	15.41	57.15
JUNE	19	13	2515.8	1004.3	1511.5	15.42	57.16
JUNE	20	14	2516.0	1004.9	1511.1	15.41	57.16
JUNE	21	15	2516.8	1004.8	1512.0	15.42	57.17
JUNE	22	16	2520.2	1004.5	1515.7	15.46	57.20
JUNE	23	17	2523.5	1004.5	1519.0	15.49	57.24
JUNE	24	18	2524.6	1005.2	1519.4	15.50	57.24
JUNE	25	19	2524.5	1005.1	1519.4	15.50	57.24
JUNE	26	20	2525.8	1004.7	1521.1	15.51	57.26
JUNE	27	21	2527.0	1004.9	1522.1	15.52	57.27
JUNE	28	22	2527.2	1005.0	1522.2	15.53	57.27
JUNE	29	23	2526.3	1004.6	1521.7	15.52	57.27
JUNE	30	24	2526.2	1004.2	1522.0	15.52	57.27
JULY	1	25	2527.2	1004.6	1522.6	15.53	57.27
JULY	2	26	2527.5	1004.7	1522.8	15.53	57.28
JULY	3	27	2528.8	1005.0	1523.8	15.54	57.29
JULY	4	28	2530.8	1005.0	1525.8	15.56	57.31
JULY	5	29	2531.1	1004.8	1526.3	15.57	57.31
JULY	6	30	2532.5	1004.4	1528.1	15.59	57.33
JULY	7	31	2534.5	1004.0	1530.5	15.61	57.36
JULY	8	32	2533.2	1003.3	1529.9	15.60	57.35
JULY	9	33	2533.0	1002.1	1530.9	15.61	57.36
JULY	10	34	2539.6	1002.1	1537.5	15.68	57.43
JULY	11	35	2544.4	1004.5	1539.9	15.71	57.45
JULY	12	36	2546.4	1004.9	1541.5	15.72	57.47
JULY	13	37	2547.1	1005.1	1542.0	15.73	57.47
JULY	14	38	2549.5	1005.1	1544.4	15.75	57.50
JULY	15	39	2549.9	1005.0	1544.9	15.76	57.50
JULY	16	40	2550.1	1004.5	1545.6	15.76	57.51
JULY	17	41	2549.7	1004.4	1545.3	15.76	57.51
JULY	18	42	2552.4	1004.1	1548.3	15.79	57.54
JULY	19	43	2554.5	1004.3	1550.2	15.81	57.56
JULY	20	44	2555.2	1004.8	1550.4	15.81	57.56
JULY	21	45	2554.9	1004.8	1550.1	15.81	57.56
JULY	22	46	2554.4	1004.5	1549.9	15.81	57.55
JULY	23	47	2553.6	1004.4	1549.2	15.80	57.55
JULY	24	48	2551.8	1003.9	1547.9	15.79	57.53
JULY	25	49	2555.0	1003.2	1551.8	15.83	57.57
JULY	26	50	2554.5	1002.9	1551.6	15.83	57.57
JULY	27	51	2556.0	1002.6	1553.4	15.84	57.59
JULY	28	52	2558.1	1002.4	1555.7	15.87	57.61
JULY	29	53	2560.5	1002.2	1558.3	15.89	57.64
JULY	30	54	2562.6	1002.8	1559.8	15.91	57.65

LOCATION : BARANGAY SANTIAGO  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 60 m  
 TOP OF CASING TO GRD : 0.495 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
JULY	31	55	2562.9	1003.4	1559.5	15.91	57.65
AUGUST	1	56	2562.9	1004.3	1558.6	15.90	57.64
AUGUST	2	57	2563.6	1003.9	1559.7	15.91	57.65
AUGUST	3	58	2564.6	1004.4	1560.2	15.91	57.66
AUGUST	4	59	2565.4	1005.0	1560.4	15.92	57.66
AUGUST	5	60	2564.8	1005.2	1559.6	15.91	57.65
AUGUST	6	61	2565.1	1005.0	1560.1	15.91	57.66
AUGUST	7	62	2565.6	1005.5	1560.1	15.91	57.66
AUGUST	8	63	2565.9	1006.2	1559.7	15.91	57.65
AUGUST	9	64	2564.8	1006.0	1558.8	15.90	57.64
AUGUST	10	65	2563.8	1005.6	1558.2	15.89	57.64
AUGUST	11	66	2562.5	1005.6	1556.9	15.88	57.63
AUGUST	12	67	2561.1	1005.0	1556.1	15.87	57.62
AUGUST	13	68	2560.0	1004.7	1555.3	15.86	57.61
AUGUST	14	69	2559.5	1004.5	1555.0	15.86	57.61
AUGUST	15	70	2559.8	1004.8	1555.0	15.86	57.60
AUGUST	16	71	2559.6	1005.2	1554.4	15.85	57.60
AUGUST	17	72	2558.3	1004.7	1553.6	15.85	57.59
AUGUST	18	73	2556.3	1003.7	1552.6	15.84	57.58
AUGUST	19	74	2556.0	1003.5	1552.5	15.83	57.58
AUGUST	20	75	2556.6	1003.6	1553.0	15.84	57.58
AUGUST	21	76	2557.2	1004.1	1553.1	15.84	57.59
AUGUST	22	77	2557.2	1004.9	1552.3	15.83	57.58
AUGUST	23	78	2556.2	1004.9	1551.3	15.82	57.57
AUGUST	24	79	2557.0	1004.4	1552.6	15.84	57.58
AUGUST	25	80	2558.4	1004.7	1553.7	15.85	57.59
AUGUST	26	81	2558.6	1005.3	1553.3	15.84	57.59
AUGUST	27	82	2557.7	1005.4	1552.3	15.83	57.58
AUGUST	28	83	2557.0	1005.2	1551.8	15.83	57.57
AUGUST	29	84	2556.4	1004.7	1551.7	15.83	57.57
AUGUST	30	85	2554.7	1004.2	1550.5	15.81	57.56
AUGUST	31	86	2554.4	1003.9	1550.5	15.81	57.56
SEPTEMBER	1	87	2555.1	1004.4	1550.7	15.82	57.56
SEPTEMBER	2	88	2556.6	1004.8	1551.8	15.83	57.57
SEPTEMBER	3	89	2557.2	1005.1	1552.1	15.83	57.58
SEPTEMBER	4	90	2558.1	1005.8	1552.3	15.83	57.58
SEPTEMBER	5	91	2557.9	1005.5	1552.4	15.83	57.58
SEPTEMBER	6	92	2557.8	1005.4	1552.4	15.83	57.58
SEPTEMBER	7	93	2557.9	1005.8	1552.1	15.83	57.58
SEPTEMBER	8	94	2555.4	1004.8	1550.6	15.81	57.56
SEPTEMBER	9	95	2553.6	1003.8	1549.8	15.81	57.55
SEPTEMBER	10	96	2555.4	1003.7	1551.7	15.83	57.57
SEPTEMBER	11	97	2556.7	1004.8	1551.9	15.83	57.57
SEPTEMBER	12	98	2557.7	1005.3	1552.4	15.83	57.58
SEPTEMBER	13	99	2557.1	1005.3	1551.8	15.83	57.57
SEPTEMBER	14	100	2555.4	1004.8	1550.6	15.82	57.56
SEPTEMBER	15	101	2555.4	1004.3	1551.1	15.82	57.57
SEPTEMBER	16	102	2557.4	1004.4	1553.0	15.84	57.58
SEPTEMBER	17	103	2556.7	1004.1	1552.6	15.84	57.58
SEPTEMBER	18	104	2557.7	1004.0	1553.7	15.85	57.59
SEPTEMBER	19	105	2558.7	1005.2	1553.5	15.85	57.59
SEPTEMBER	20	106	2559.3	1005.0	1554.3	15.85	57.60
SEPTEMBER	21	107	2559.3	1005.2	1554.1	15.85	57.60
SEPTEMBER	22	108	2558.9	1005.2	1553.7	15.85	57.59

LOCATION : BARANGAY SANTIAGO  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 60 m  
 TOP OF CASING TO GRD : 0.495 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
SEPTEMBER	23	109	2559.5	1005.1	1554.4	15.85	57.60
SEPTEMBER	24	110	2558.9	1004.9	1554.0	15.85	57.59
SEPTEMBER	25	111	2558.1	1004.5	1553.6	15.85	57.59
SEPTEMBER	26	112	2558.0	1004.4	1553.6	15.85	57.59
SEPTEMBER	27	113	2558.4	1004.7	1553.7	15.85	57.59
SEPTEMBER	28	114	2558.5	1004.8	1553.7	15.85	57.59
SEPTEMBER	29	115	2561.0	1005.0	1556.0	15.87	57.62
SEPTEMBER	30	116	2561.1	1005.5	1555.6	15.87	57.61
OCTOBER	1	117	2560.4	1005.4	1555.0	15.86	57.61
OCTOBER	2	118	2559.8	1005.3	1554.5	15.86	57.60
OCTOBER	3	119	2559.3	1006.0	1553.3	15.84	57.59
OCTOBER	4	120	2558.3	1006.1	1552.2	15.83	57.58
OCTOBER	5	121	2557.2	1005.8	1551.4	15.82	57.57
OCTOBER	6	122	2555.9	1005.7	1550.2	15.81	57.56
OCTOBER	7	123	2554.1	1005.0	1549.1	15.80	57.55
OCTOBER	8	124	2553.8	1004.6	1549.2	15.80	57.55
OCTOBER	9	125	2554.1	1005.2	1548.9	15.80	57.54
OCTOBER	10	126	2554.1	1005.4	1548.7	15.80	57.54
OCTOBER	11	127	2553.9	1005.6	1548.3	15.79	57.54
OCTOBER	12	128	2553.7	1006.0	1547.7	15.79	57.53
OCTOBER	13	129	2552.7	1006.4	1546.3	15.77	57.52
OCTOBER	14	130	2552.0	1006.1	1545.9	15.77	57.51
OCTOBER	15	131	2550.4	1006.0	1544.4	15.75	57.50
OCTOBER	16	132	2550.3	1005.9	1544.4	15.75	57.50
OCTOBER	17	133	2550.4	1006.1	1544.3	15.75	57.50
OCTOBER	18	134	2548.9	1005.9	1543.0	15.74	57.48
OCTOBER	19	135	2546.4	1005.3	1541.1	15.72	57.46
OCTOBER	20	136	2543.0	1004.3	1538.7	15.69	57.44
OCTOBER	21	137	2551.5	1002.1	1549.4	15.80	57.55
OCTOBER	22	138	2554.7	1005.3	1549.4	15.80	57.55
OCTOBER	23	139	2556.7	1005.8	1550.9	15.82	57.56
OCTOBER	24	140	2557.9	1005.4	1552.5	15.83	57.58
OCTOBER	25	141	2558.0	1005.0	1553.0	15.84	57.58
OCTOBER	26	142	2558.2	1005.0	1553.2	15.84	57.59
OCTOBER	27	143	2558.0	1005.0	1553.0	15.84	57.58
OCTOBER	28	144	2557.4	1004.8	1552.6	15.84	57.58
OCTOBER	29	145	2558.6	1005.4	1553.2	15.84	57.59
OCTOBER	30	146	2559.3	1006.5	1552.8	15.84	57.58
OCTOBER	31	147	2558.7	1007.2	1551.5	15.82	57.57
NOVEMBER	1	148	2558.2	1007.3	1550.9	15.82	57.56
NOVEMBER	2	149	2557.1	1007.0	1550.1	15.81	57.56
NOVEMBER	3	150	2556.8	1007.0	1549.8	15.81	57.55
NOVEMBER	4	151	2555.3	1006.9	1548.4	15.79	57.54
NOVEMBER	5	152	2553.8	1006.7	1547.1	15.78	57.52
NOVEMBER	6	153	2553.0	1006.4	1546.6	15.77	57.52
NOVEMBER	7	154	2553.8	1006.7	1547.1	15.78	57.52
NOVEMBER	8	155	2553.7	1007.0	1546.7	15.78	57.52
NOVEMBER	9	156	2552.9	1007.2	1545.7	15.77	57.51
NOVEMBER	10	157	2551.2	1006.7	1544.5	15.75	57.50
NOVEMBER	11	158	2549.7	1006.4	1543.3	15.74	57.49
NOVEMBER	12	159	2549.2	1006.3	1542.9	15.74	57.48
NOVEMBER	13	160	2548.2	1006.3	1541.9	15.73	57.47
NOVEMBER	14	161	2547.1	1006.3	1540.8	15.72	57.46
NOVEMBER	15	162	2546.6	1006.4	1540.2	15.71	57.45

LOCATION : BARANGAY SANTIAGO  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 60 m  
 TOP OF CASING TO GRD : 0.495 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
NOVEMBER	16	163	2546.6	1006.5	1540.1	15.71	57.45
NOVEMBER	17	164	2546.0	1006.6	1539.4	15.70	57.45
NOVEMBER	18	165	2545.6	1006.6	1539.0	15.70	57.44
NOVEMBER	19	166	2544.8	1006.7	1538.1	15.69	57.43
NOVEMBER	20	167	2543.0	1006.7	1536.3	15.67	57.41
NOVEMBER	21	168	2542.3	1006.4	1535.9	15.67	57.41
NOVEMBER	22	169	2542.0	1006.6	1535.4	15.66	57.41
NOVEMBER	23	170	2541.0	1006.6	1534.4	15.65	57.40
NOVEMBER	24	171	2539.6	1006.5	1533.1	15.64	57.38
NOVEMBER	25	172	2538.6	1006.2	1532.4	15.63	57.37
NOVEMBER	26	173	2538.1	1006.3	1531.8	15.62	57.37
NOVEMBER	27	174	2538.3	1006.2	1532.1	15.63	57.37
NOVEMBER	28	175	2538.3	1006.6	1531.7	15.62	57.37
NOVEMBER	29	176	2538.2	1006.4	1531.8	15.62	57.37
NOVEMBER	30	177	2538.2	1006.6	1531.6	15.62	57.37

LOCATION : BARANGAY LALAAAN  
 SILANG CAVITE  
 ELEVATION : 402 m  
 TOP OF CASING TO GRD : 0.33 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
JUNE	17	1	2412.6	963.7	1448.9	14.78	386.02
JUNE	18	2	2393.0	963.4	1429.6	14.58	385.82
JUNE	19	3	2403.3	963.9	1439.4	14.68	385.92
JUNE	20	4	2394.1	964.5	1429.6	14.58	385.82
JUNE	21	5	2404.7	964.4	1440.3	14.69	385.93
JUNE	22	6	2400.9	964.1	1436.8	14.65	385.89
JUNE	23	7	2400.2	964.1	1436.1	14.65	385.89
JUNE	24	8	2382.3	964.9	1417.4	14.46	385.70
JUNE	25	9	2378.9	964.7	1414.2	14.42	385.66
JUNE	26	10	2394.9	964.3	1430.6	14.59	385.83
JUNE	27	11	2384.0	964.5	1419.5	14.48	385.72
JUNE	28	12	2364.2	964.7	1399.5	14.27	385.51
JUNE	29	13	2389.4	964.2	1425.2	14.54	385.78
JUNE	30	14	2384.5	963.7	1420.8	14.49	385.73
JULY	1	15	2380.4	964.2	1416.2	14.44	385.68
JULY	2	16	2373.8	964.3	1409.5	14.38	385.62
JULY	3	17	2379.5	964.6	1414.9	14.43	385.67
JULY	4	18	2375.5	964.6	1410.9	14.39	385.63
JULY	5	19	2374.5	964.4	1410.1	14.38	385.62
JULY	6	20	2373.7	963.9	1409.8	14.38	385.62
JULY	7	21	2363.9	963.6	1400.3	14.28	385.52
JULY	8	22	2370.4	962.8	1407.6	14.36	385.60
JULY	9	23	2362.4	961.6	1400.8	14.29	385.53
JULY	10	24	2362.0	961.5	1400.5	14.28	385.52
JULY	11	25	2370.0	964.1	1405.9	14.34	385.58
JULY	12	26	2366.5	964.5	1402.0	14.30	385.54
JULY	13	27	2374.8	964.7	1410.1	14.38	385.62
JULY	14	28	2375.8	964.7	1411.1	14.39	385.63
JULY	15	29	2376.5	964.6	1411.9	14.40	385.64
JULY	16	30	2374.8	964.1	1410.7	14.39	385.63
JULY	17	31	2376.3	964.0	1412.3	14.40	385.64
JULY	18	32	2376.5	963.7	1412.8	14.41	385.65
JULY	19	33	2378.0	963.9	1414.1	14.42	385.66
JULY	20	34	2382.1	964.4	1417.7	14.46	385.70
JULY	21	35	2385.9	964.4	1421.5	14.50	385.74
JULY	22	36	2388.4	964.1	1424.3	14.53	385.77
JULY	23	37	2390.0	964.0	1426.0	14.54	385.78
JULY	24	38	2391.3	963.4	1427.9	14.56	385.80
JULY	25	39	2393.1	962.7	1430.4	14.59	385.83
JULY	26	40	2406.6	962.4	1444.2	14.73	385.97
JULY	27	41	2427.0	962.1	1464.9	14.94	386.18
JULY	28	42	2446.4	961.9	1484.5	15.14	386.38
JULY	29	43	2467.1	961.7	1505.4	15.35	386.59
JULY	30	44	2493.0	962.3	1530.7	15.61	386.85
JULY	31	45	2519.7	962.9	1556.8	15.88	387.12
AUGUST	1	46	2542.0	963.9	1578.1	16.10	387.34
AUGUST	2	47	2563.0	963.5	1599.5	16.31	387.55
AUGUST	3	48	2584.1	964.0	1620.1	16.52	387.76
AUGUST	4	49	2602.2	964.6	1637.6	16.70	387.94
AUGUST	5	50	2618.3	964.9	1653.4	16.86	388.10
AUGUST	6	51	2632.0	964.6	1667.4	17.01	388.25
AUGUST	7	52	2644.8	965.2	1679.6	17.13	388.37
AUGUST	8	53	2628.7	965.9	1662.8	16.96	388.20
AUGUST	9	54	2663.5	965.7	1697.8	17.32	388.56

LOCATION : BARANGAY LALAAAN  
 SILANG CAVITE  
 ELEVATION : 402 m  
 TOP OF CASING TO GRD : 0.33 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
AUGUST	10	55	2662.1	965.3	1696.8	17.31	388.55
AUGUST	11	56	2678.7	965.2	1713.5	17.48	388.72
AUGUST	12	57	2684.3	964.7	1719.6	17.54	388.78
AUGUST	13	58	2689.1	964.3	1724.8	17.59	388.83
AUGUST	14	59	2692.4	964.1	1728.3	17.63	388.87
AUGUST	15	60	2695.5	964.5	1731.0	17.66	388.90
AUGUST	16	61	2698.0	964.8	1733.2	17.68	388.92
AUGUST	17	62	2700.0	964.3	1735.7	17.70	388.94
AUGUST	18	63	2701.4	963.2	1738.2	17.73	388.97
AUGUST	19	64	2702.0	963.0	1739.0	17.74	388.98
AUGUST	20	65	2702.8	963.1	1739.7	17.74	388.98
AUGUST	21	66	2703.2	963.6	1739.6	17.74	388.98
AUGUST	22	67	2704.3	964.5	1739.8	17.74	388.98
AUGUST	23	68	2705.4	964.5	1740.9	17.76	389.00
AUGUST	24	69	2706.3	964.0	1742.3	17.77	389.01
AUGUST	25	70	2707.4	964.3	1743.1	17.78	389.02
AUGUST	26	71	2707.6	964.9	1742.7	17.77	389.01
AUGUST	27	72	2707.8	965.0	1742.8	17.78	389.02
AUGUST	28	73	2708.8	964.8	1744.0	17.79	389.03
AUGUST	29	74	2709.9	964.3	1745.6	17.80	389.04
AUGUST	30	75	2711.2	963.7	1747.5	17.82	389.06
AUGUST	31	76	2712.8	963.5	1749.3	17.84	389.08
SEPTEMBER	1	77	2714.9	964.0	1750.9	17.86	389.10
SEPTEMBER	2	78	2717.0	964.4	1752.6	17.88	389.12
SEPTEMBER	3	79	2719.0	964.8	1754.2	17.89	389.13
SEPTEMBER	4	80	2720.9	965.4	1755.5	17.90	389.14
SEPTEMBER	5	81	2722.3	965.2	1757.1	17.92	389.16
SEPTEMBER	6	82	2723.1	965.1	1758.0	17.93	389.17
SEPTEMBER	7	83	2723.5	965.5	1758.0	17.93	389.17
SEPTEMBER	8	84	2723.5	964.5	1759.0	17.94	389.18
SEPTEMBER	9	85	2723.4	963.4	1760.0	17.95	389.19
SEPTEMBER	10	86	2722.2	963.2	1759.0	17.94	389.18
SEPTEMBER	11	87	2721.4	964.4	1757.0	17.92	389.16
SEPTEMBER	12	88	2720.8	964.9	1755.9	17.91	389.15
SEPTEMBER	13	89	2720.6	964.9	1755.7	17.91	389.15
SEPTEMBER	14	90	2719.5	964.4	1755.1	17.90	389.14
SEPTEMBER	15	91	2718.2	963.8	1754.4	17.89	389.13
SEPTEMBER	16	92	2717.3	964.0	1753.3	17.88	389.12
SEPTEMBER	17	93	2716.6	963.6	1753.0	17.88	389.12
SEPTEMBER	18	94	2715.7	963.6	1752.1	17.87	389.11
SEPTEMBER	19	95	2715.0	964.8	1750.2	17.85	389.09
SEPTEMBER	20	96	2713.6	964.6	1749.0	17.84	389.08
SEPTEMBER	21	97	2712.4	964.9	1747.5	17.82	389.06
SEPTEMBER	22	98	2711.1	964.9	1746.2	17.81	389.05
SEPTEMBER	23	99	2709.5	964.7	1744.8	17.80	389.04
SEPTEMBER	24	100	2708.3	964.5	1743.8	17.79	389.03
SEPTEMBER	25	101	2707.1	964.1	1743.0	17.78	389.02
SEPTEMBER	26	102	2706.6	964.0	1742.6	17.77	389.01
SEPTEMBER	27	103	2708.5	964.3	1744.2	17.79	389.03
SEPTEMBER	28	104	2710.8	964.4	1746.4	17.81	389.05
SEPTEMBER	29	105	2714.8	964.7	1750.1	17.85	389.09
SEPTEMBER	30	106	2724.2	965.2	1759.0	17.94	389.18
OCTOBER	1	107	2733.5	965.0	1768.5	18.04	389.28
OCTOBER	2	108	2740.8	964.9	1775.9	18.11	389.35

LOCATION : BARANGAY LALAN  
 SILANG CAVITE  
 ELEVATION : 402 m  
 TOP OF CASING TO GRD : 0.33 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
OCTOBER	3	109	2745.8	965.7	1780.1	18.16	389.40
OCTOBER	4	110	2748.8	965.8	1783.0	18.19	389.43
OCTOBER	5	111	2750.8	965.5	1785.3	18.21	389.45
OCTOBER	6	112	2746.1	965.4	1780.7	18.16	389.40
OCTOBER	7	113	2750.6	964.6	1786.0	18.22	389.46
OCTOBER	8	114	2750.5	964.2	1786.3	18.22	389.46
OCTOBER	9	115	2750.1	964.8	1785.3	18.21	389.45
OCTOBER	10	116	2749.5	965.0	1784.5	18.20	389.44
OCTOBER	11	117	2748.3	965.3	1783.0	18.19	389.43
OCTOBER	12	118	2746.9	965.7	1781.2	18.17	389.41
OCTOBER	13	119	2745.2	966.1	1779.1	18.15	389.39
OCTOBER	14	120	2743.9	965.8	1778.1	18.14	389.38
OCTOBER	15	121	2741.7	965.6	1776.1	18.11	389.35
OCTOBER	16	122	2740.8	965.6	1775.2	18.11	389.35
OCTOBER	17	123	2735.1	965.8	1769.3	18.05	389.29
OCTOBER	18	124	2735.7	965.6	1770.1	18.05	389.29
OCTOBER	19	125	2733.2	964.9	1768.3	18.04	389.28
OCTOBER	20	126	2719.4	963.9	1755.5	17.91	389.15
OCTOBER	21	127	2737.6	961.5	1776.1	18.11	389.35
OCTOBER	22	128	2767.4	964.9	1802.5	18.38	389.62
OCTOBER	23	129	2789.1	965.4	1823.7	18.60	389.84
OCTOBER	24	130	2813.4	965.1	1848.3	18.85	390.09
OCTOBER	25	131	2828.7	964.7	1864.0	19.01	390.25
OCTOBER	26	132	2839.3	964.6	1874.7	19.12	390.36
OCTOBER	27	133	2846.6	964.6	1882.0	19.20	390.44
OCTOBER	28	134	2830.8	964.5	1866.3	19.04	390.28
OCTOBER	29	135	2853.6	965.1	1888.5	19.26	390.50
OCTOBER	30	136	2857.3	966.2	1891.1	19.29	390.53
OCTOBER	31	137	2854.6	966.9	1887.7	19.25	390.49
NOVEMBER	1	138	2860.7	967.0	1893.7	19.31	390.55
NOVEMBER	2	139	2849.6	966.8	1882.8	19.20	390.44
NOVEMBER	3	140	2860.6	966.8	1893.8	19.32	390.56
NOVEMBER	4	141	2848.0	966.7	1881.3	19.19	390.43
NOVEMBER	5	142	2858.1	966.4	1891.7	19.29	390.53
NOVEMBER	6	143	2856.6	966.1	1890.5	19.28	390.52
NOVEMBER	7	144	2823.3	966.4	1856.9	18.94	390.18
NOVEMBER	8	145	2848.3	966.8	1881.5	19.19	390.43
NOVEMBER	9	146	2849.1	966.9	1882.2	19.20	390.44
NOVEMBER	10	147	2847.4	966.4	1881.0	19.19	390.43
NOVEMBER	11	148	2840.7	966.2	1874.5	19.12	390.36
NOVEMBER	12	149	2842.1	966.0	1876.1	19.14	390.38
NOVEMBER	13	150	2840.5	966.0	1874.5	19.12	390.36
NOVEMBER	14	151	2838.1	966.0	1872.1	19.09	390.33
NOVEMBER	15	152	2825.1	966.2	1858.9	18.96	390.20
NOVEMBER	16	153	2833.1	966.2	1866.9	19.04	390.28
NOVEMBER	17	154	2830.8	966.4	1864.4	19.02	390.26
NOVEMBER	18	155	2827.9	966.4	1861.5	18.99	390.23
NOVEMBER	19	156	2825.0	966.4	1858.6	18.96	390.20
NOVEMBER	20	157	2822.6	966.5	1856.1	18.93	390.17
NOVEMBER	21	158	2820.2	966.1	1854.1	18.91	390.15
NOVEMBER	22	159	2793.0	966.3	1826.7	18.63	389.87
NOVEMBER	23	160	2810.5	966.3	1844.2	18.81	390.05
NOVEMBER	24	161	2810.0	966.2	1843.8	18.81	390.05
NOVEMBER	25	162	2806.7	965.9	1840.8	18.78	390.02



LOCATION : BARANGAY LALAN  
 SILANG CAVITE  
 ELEVATION : 402 m  
 TOP OF CASING TO GRD : 0.33 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
NOVEMBER	26	163	2805.0	966.0	1839.0	18.76	390.00
NOVEMBER	27	164	2803.6	965.9	1837.7	18.74	389.98
NOVEMBER	28	165	2800.8	966.4	1834.4	18.71	389.95
NOVEMBER	29	166	2752.3	966.2	1786.1	18.22	389.46
NOVEMBER	30	167	2792.4	966.4	1826.0	18.62	389.86

LOCATION : CITY HOMES SUBDIVISION  
 BARANGAY LANGKAAN, DASMARIÑAS. CAVITE  
 ELEVATION (MASL) : 105 m  
 TOP OF CASING TO GRD : 0.54 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
JUNE	17	1	4466.4	1003.7	3462.7	35.32	94.08
JUNE	18	2	4469.0	1003.7	3465.3	35.34	94.10
JUNE	19	3	4469.4	1003.8	3465.6	35.35	94.11
JUNE	20	4	4465.1	1003.9	3461.2	35.30	94.06
JUNE	21	5	4466.6	1003.9	3462.7	35.32	94.08
JUNE	22	6	4475.5	1003.8	3471.7	35.41	94.17
JUNE	23	7	4477.6	1003.8	3473.8	35.43	94.19
JUNE	24	8	4477.2	1004.0	3473.2	35.43	94.19
JUNE	25	9	4471.0	1003.9	3467.1	35.36	94.12
JUNE	26	10	4465.0	1003.8	3461.2	35.30	94.06
JUNE	27	11	4465.3	1003.9	3461.4	35.30	94.06
JUNE	28	12	4465.9	1003.9	3462.0	35.31	94.07
JUNE	29	13	4468.6	1003.8	3464.8	35.34	94.10
JUNE	30	14	4475.7	1003.7	3472.0	35.41	94.17
JULY	1	15	4472.6	1003.8	3468.8	35.38	94.14
JULY	2	16	4467.7	1003.8	3463.9	35.33	94.09
JULY	3	17	4466.2	1003.9	3462.3	35.31	94.07
JULY	4	18	4461.6	1003.9	3457.7	35.27	94.03
JULY	5	19	4456.9	1003.9	3453.0	35.22	93.98
JULY	6	20	4456.9	1003.8	3453.1	35.22	93.98
JULY	7	21	4456.8	1003.7	3453.1	35.22	93.98
JULY	8	22	4453.9	1003.6	3450.3	35.19	93.95
JULY	9	23	4463.9	1003.3	3460.6	35.30	94.06
JULY	10	24	4496.3	1003.3	3493.0	35.63	94.39
JULY	11	25	4495.7	1003.8	3491.9	35.62	94.38
JULY	12	26	4489.0	1003.9	3485.1	35.55	94.31
JULY	13	27	4486.2	1003.9	3482.3	35.52	94.28
JULY	14	28	4481.5	1003.9	3477.6	35.47	94.23
JULY	15	29	4476.9	1003.9	3473.0	35.42	94.18
JULY	16	30	4469.4	1003.8	3465.6	35.35	94.11
JULY	17	31	4470.8	1003.8	3467.0	35.36	94.12
JULY	18	32	4472.8	1003.7	3469.1	35.38	94.14
JULY	19	33	4469.8	1003.8	3466.0	35.35	94.11
JULY	20	34	4466.5	1003.9	3462.6	35.32	94.08
JULY	21	35	4462.1	1003.9	3458.2	35.27	94.03
JULY	22	36	4456.1	1003.8	3452.3	35.21	93.97
JULY	23	37	4454.8	1003.8	3451.0	35.20	93.96
JULY	24	38	4461.7	1003.7	3458.0	35.27	94.03
JULY	25	39	4462.4	1003.5	3458.9	35.28	94.04
JULY	26	40	4459.4	1003.5	3455.9	35.25	94.01
JULY	27	41	4461.1	1003.4	3457.7	35.27	94.03
JULY	28	42	4464.3	1003.4	3460.9	35.30	94.06
JULY	29	43	4467.3	1003.3	3464.0	35.33	94.09
JULY	30	44	4461.8	1003.5	3458.3	35.27	94.03
JULY	31	45	4459.9	1003.6	3456.3	35.25	94.01
AUGUST	1	46	4459.3	1003.8	3455.5	35.24	94.00
AUGUST	2	47	4458.9	1003.7	3455.2	35.24	94.00
AUGUST	3	48	4461.5	1003.8	3457.7	35.27	94.03
AUGUST	4	49	4466.6	1003.9	3462.7	35.32	94.08
AUGUST	5	50	4467.5	1004.0	3463.5	35.33	94.09
AUGUST	6	51	4465.8	1003.9	3461.9	35.31	94.07
AUGUST	7	52	4467.1	1004.0	3463.1	35.32	94.08
AUGUST	8	53	4463.1	1004.1	3459.0	35.28	94.04
AUGUST	9	54	4457.9	1004.1	3453.8	35.23	93.99

LOCATION : CITY HOMES SUBDIVISION  
 BARANGAY LANGKAAN, DASMARIÑAS. CAVITE  
 ELEVATION (MASL) : 105 m  
 TOP OF CASING TO GRD : 0.54 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
AUGUST	10	55	4453.1	1004.0	3449.1	35.18	93.94
AUGUST	11	56	4450.3	1004.0	3446.3	35.15	93.91
AUGUST	12	57	4450.0	1003.9	3446.1	35.15	93.91
AUGUST	13	58	4458.7	1003.8	3454.9	35.24	94.00
AUGUST	14	59	4461.3	1003.8	3457.5	35.26	94.02
AUGUST	15	60	4458.1	1003.9	3454.2	35.23	93.99
AUGUST	16	61	4456.7	1003.9	3452.8	35.22	93.98
AUGUST	17	62	4452.6	1003.8	3448.8	35.18	93.94
AUGUST	18	63	4451.6	1003.6	3448.0	35.17	93.93
AUGUST	19	64	4448.6	1003.6	3445.0	35.14	93.90
AUGUST	20	65	4447.0	1003.6	3443.4	35.12	93.88
AUGUST	21	66	4444.9	1003.7	3441.2	35.10	93.86
AUGUST	22	67	4442.2	1003.9	3438.3	35.07	93.83
AUGUST	23	68	4442.0	1003.9	3438.1	35.07	93.83
AUGUST	24	69	4442.3	1003.8	3438.5	35.07	93.83
AUGUST	25	70	4442.7	1003.8	3438.9	35.07	93.83
AUGUST	26	71	4439.8	1004.0	3435.8	35.04	93.80
AUGUST	27	72	4437.1	1004.0	3433.1	35.02	93.78
AUGUST	28	73	4440.4	1003.9	3436.5	35.05	93.81
AUGUST	29	74	4449.0	1003.8	3445.2	35.14	93.90
AUGUST	30	75	4452.3	1003.7	3448.6	35.17	93.93
AUGUST	31	76	4454.6	1003.7	3450.9	35.20	93.96
SEPTEMBER	1	77	4457.9	1003.8	3454.1	35.23	93.99
SEPTEMBER	2	78	4457.3	1003.9	3453.4	35.22	93.98
SEPTEMBER	3	79	4454.8	1003.9	3450.9	35.20	93.96
SEPTEMBER	4	80	4451.8	1004.1	3447.7	35.17	93.93
SEPTEMBER	5	81	4448.3	1004.0	3444.3	35.13	93.89
SEPTEMBER	6	82	4449.3	1004.0	3445.3	35.14	93.90
SEPTEMBER	7	83	4445.1	1004.1	3441.0	35.10	93.86
SEPTEMBER	8	84	4440.4	1003.9	3436.5	35.05	93.81
SEPTEMBER	9	85	4436.7	1003.7	3433.0	35.02	93.78
SEPTEMBER	10	86	4434.0	1003.6	3430.4	34.99	93.75
SEPTEMBER	11	87	4432.3	1003.9	3428.4	34.97	93.73
SEPTEMBER	12	88	4428.5	1004.0	3424.5	34.93	93.69
SEPTEMBER	13	89	4426.5	1004.0	3422.5	34.91	93.67
SEPTEMBER	14	90	4425.0	1003.9	3421.1	34.89	93.65
SEPTEMBER	15	91	4426.0	1003.8	3422.2	34.91	93.67
SEPTEMBER	16	92	4427.8	1003.8	3424.0	34.92	93.68
SEPTEMBER	17	93	4428.0	1003.7	3424.3	34.93	93.69
SEPTEMBER	18	94	4430.1	1003.7	3426.4	34.95	93.71
SEPTEMBER	19	95	4432.3	1003.9	3428.4	34.97	93.73
SEPTEMBER	20	96	4433.1	1003.9	3429.2	34.98	93.74
SEPTEMBER	21	97	4431.0	1004.0	3427.0	34.95	93.71
SEPTEMBER	22	98	4434.2	1004.0	3430.2	34.99	93.75
SEPTEMBER	23	99	4433.6	1003.9	3429.7	34.98	93.74
SEPTEMBER	24	100	4432.9	1003.9	3429.0	34.97	93.73
SEPTEMBER	25	101	4433.6	1003.8	3429.8	34.98	93.74
SEPTEMBER	26	102	4429.9	1003.8	3426.1	34.94	93.70
SEPTEMBER	27	103	4424.1	1003.8	3420.3	34.88	93.64
SEPTEMBER	28	104	4427.6	1003.9	3423.7	34.92	93.68
SEPTEMBER	29	105	4428.4	1003.9	3424.5	34.93	93.69
SEPTEMBER	30	106	4426.6	1004.0	3422.6	34.91	93.67
OCTOBER	1	107	4427.3	1004.0	3423.3	34.92	93.68
OCTOBER	2	108	4429.3	1004.0	3425.3	34.94	93.70

LOCATION : CITY HOMES SUBDIVISION  
 BARANGAY LANGKAAN, DASMARIÑAS. CAVITE  
 ELEVATION (MASL) : 105 m  
 TOP OF CASING TO GRD : 0.54 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
OCTOBER	3	109	4429.5	1004.1	3425.4	34.94	93.70
OCTOBER	4	110	4424.9	1004.1	3420.8	34.89	93.65
OCTOBER	5	111	4419.2	1004.1	3415.1	34.83	93.59
OCTOBER	6	112	4419.4	1004.1	3415.3	34.83	93.59
OCTOBER	7	113	4417.6	1003.9	3413.7	34.82	93.58
OCTOBER	8	114	4416.0	1003.8	3412.2	34.80	93.56
OCTOBER	9	115	4415.0	1003.9	3411.1	34.79	93.55
OCTOBER	10	116	4414.7	1004.0	3410.7	34.79	93.55
OCTOBER	11	117	4415.1	1004.0	3411.1	34.79	93.55
OCTOBER	12	118	4418.6	1004.1	3414.5	34.83	93.59
OCTOBER	13	119	4419.7	1004.2	3415.5	34.84	93.60
OCTOBER	14	120	4417.4	1004.1	3413.3	34.81	93.57
OCTOBER	15	121	4420.2	1004.1	3416.1	34.84	93.60
OCTOBER	16	122	4421.1	1004.1	3417.0	34.85	93.61
OCTOBER	17	123	4419.5	1004.1	3415.4	34.83	93.59
OCTOBER	18	124	4416.7	1004.1	3412.6	34.81	93.57
OCTOBER	19	125	4414.1	1004.0	3410.1	34.78	93.54
OCTOBER	20	126	4425.6	1003.8	3421.8	34.90	93.66
OCTOBER	21	127	4445.1	1003.3	3441.8	35.10	93.86
OCTOBER	22	128	4451.5	1004.0	3447.5	35.16	93.92
OCTOBER	23	129	4450.8	1004.1	3446.7	35.15	93.91
OCTOBER	24	130	4450.5	1004.0	3446.5	35.15	93.91
OCTOBER	25	131	4445.8	1003.9	3441.9	35.11	93.87
OCTOBER	26	132	4439.9	1003.9	3436.0	35.05	93.81
OCTOBER	27	133	4438.3	1003.9	3434.4	35.03	93.79
OCTOBER	28	134	4440.2	1003.9	3436.3	35.05	93.81
OCTOBER	29	135	4440.9	1004.0	3436.9	35.05	93.81
OCTOBER	30	136	4442.5	1004.2	3438.3	35.07	93.83
OCTOBER	31	137	4442.6	1004.3	3438.3	35.07	93.83
NOVEMBER	1	138	4434.9	1004.4	3430.5	34.99	93.75
NOVEMBER	2	139	4406.7	1004.3	3402.4	34.70	93.46
NOVEMBER	3	140	4409.7	1004.3	3405.4	34.73	93.49
NOVEMBER	4	141	4400.8	1004.3	3396.5	34.64	93.40
NOVEMBER	5	142	4383.3	1004.3	3379.0	34.46	93.22
NOVEMBER	6	143	4393.6	1004.2	3389.4	34.57	93.33
NOVEMBER	7	144	4396.3	1004.2	3392.1	34.60	93.36
NOVEMBER	8	145	4390.9	1004.3	3386.6	34.54	93.30
NOVEMBER	9	146	4379.1	1004.3	3374.8	34.42	93.18
NOVEMBER	10	147	4389.3	1004.2	3385.1	34.53	93.29
NOVEMBER	11	148	4390.1	1004.2	3385.9	34.53	93.29
NOVEMBER	12	149	4375.8	1004.2	3371.6	34.39	93.15
NOVEMBER	13	150	4376.4	1004.2	3372.2	34.39	93.15
NOVEMBER	14	151	4384.0	1004.2	3379.8	34.47	93.23
NOVEMBER	15	152	4383.0	1004.2	3378.8	34.46	93.22
NOVEMBER	16	153	4382.4	1004.2	3378.2	34.46	93.22
NOVEMBER	17	154	4397.4	1004.2	3393.2	34.61	93.37
NOVEMBER	18	155	4394.8	1004.2	3390.6	34.58	93.34
NOVEMBER	19	156	4385.3	1004.3	3381.0	34.48	93.24
NOVEMBER	20	157	4397.3	1004.3	3393.0	34.61	93.37
NOVEMBER	21	158	4401.2	1004.2	3397.0	34.65	93.41
NOVEMBER	22	159	4402.1	1004.2	3397.9	34.66	93.42
NOVEMBER	23	160	4389.3	1004.2	3385.1	34.53	93.29
NOVEMBER	24	161	4393.6	1004.2	3389.4	34.57	93.33
NOVEMBER	25	162	4387.7	1004.1	3383.6	34.51	93.27

LOCATION : CITY HOMES SUBDIVISION  
 BARANGAY LANGKAAN, DASMARIÑAS. CAVITE  
 ELEVATION (MASL) : 105 m  
 TOP OF CASING TO GRD : 0.54 m

MONTH	DAYS	NO	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Barometric	Difference		
NOVEMBER	26	163	4395.0	1004.2	3390.8	34.58	93.34
NOVEMBER	27	164	4412.1	1004.1	3408.0	34.76	93.52
NOVEMBER	28	165	4397.4	1004.2	3393.2	34.61	93.37
NOVEMBER	29	166	4397.4	1004.2	3393.2	34.61	93.37
NOVEMBER	30	167	4397.4	1004.2	3393.2	34.61	93.37

LOCATION : BARANGAY SAN JUAN  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 20 m  
 TOP OF CASING T : 0.53 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
JUNE	7	1	2480.5	1008.5	1472.0	15.01	14.70
JUNE	8	2	2481.9	1009.3	1472.6	15.02	14.71
JUNE	9	3	2480.5	1009.1	1471.4	15.01	14.70
JUNE	10	4	2480.0	1009.5	1470.5	15.00	14.69
JUNE	11	5	2478.1	1009.7	1468.4	14.98	14.67
JUNE	12	6	2477.0	1009.9	1467.1	14.96	14.65
JUNE	13	7	2479.4	1010.6	1468.8	14.98	14.67
JUNE	14	8	2479.2	1009.3	1469.9	14.99	14.68
JUNE	15	9	2480.5	1008.6	1471.9	15.01	14.70
JUNE	16	10	2480.3	1008.5	1471.8	15.01	14.70
JUNE	17	11	2478.4	1007.2	1471.2	15.00	14.69
JUNE	18	12	2477.1	1006.5	1470.6	15.00	14.69
JUNE	19	13	2480.0	1007.6	1472.4	15.02	14.71
JUNE	20	14	2481.3	1008.8	1472.5	15.02	14.71
JUNE	21	15	2481.2	1008.6	1472.6	15.02	14.71
JUNE	22	16	2489.2	1007.9	1481.3	15.11	14.80
JUNE	23	17	2493.3	1008.0	1485.3	15.15	14.84
JUNE	24	18	2491.7	1009.5	1482.2	15.12	14.81
JUNE	25	19	2491.5	1009.2	1482.3	15.12	14.81
JUNE	26	20	2493.5	1008.4	1485.1	15.15	14.84
JUNE	27	21	2497.1	1008.8	1488.3	15.18	14.87
JUNE	28	22	2497.8	1009.1	1488.7	15.18	14.87
JUNE	29	23	2497.8	1008.1	1489.7	15.19	14.88
JUNE	30	24	2498.3	1007.2	1491.1	15.21	14.90
JULY	1	25	2500.8	1008.2	1492.6	15.22	14.91
JULY	2	26	2500.7	1008.4	1492.3	15.22	14.91
JULY	3	27	2500.3	1008.9	1491.4	15.21	14.90
JULY	4	28	2506.7	1008.9	1497.8	15.28	14.97
JULY	5	29	2508.8	1008.5	1500.3	15.30	14.99
JULY	6	30	2513.2	1007.6	1505.6	15.36	15.05
JULY	7	31	2521.6	1006.9	1514.7	15.45	15.14
JULY	8	32	2520.2	1005.4	1514.8	15.45	15.14
JULY	9	33	2522.1	1002.9	1519.2	15.49	15.18
JULY	10	34	2531.7	1002.8	1528.9	15.59	15.28
JULY	11	35	2540.6	1008.0	1532.6	15.63	15.32
JULY	12	36	2540.4	1008.7	1531.7	15.62	15.31
JULY	13	37	2433.7	1009.2	1424.5	14.53	14.22
JULY	14	38	2092.0	1009.1	1082.9	11.04	10.73
JULY	15	39	2094.1	1008.9	1085.2	11.07	10.76
JULY	16	40	2093.7	1008.0	1085.7	11.07	10.76
JULY	17	41	2093.2	1007.7	1085.5	11.07	10.76
JULY	18	42	2100.8	1007.1	1093.7	11.16	10.85
JULY	19	43	2107.1	1007.6	1099.5	11.21	10.90
JULY	20	44	2108.5	1008.6	1099.9	11.22	10.91
JULY	21	45	2108.9	1008.5	1100.4	11.22	10.91
JULY	22	46	2108.4	1008.0	1100.4	11.22	10.91
JULY	23	47	2107.5	1007.7	1099.8	11.22	10.91
JULY	24	48	2105.8	1006.6	1099.2	11.21	10.90
JULY	25	49	2118.3	1005.1	1113.2	11.35	11.04
JULY	26	50	2123.0	1004.6	1118.4	11.41	11.10
JULY	27	51	2126.9	1003.9	1123.0	11.45	11.14
JULY	28	52	2134.3	1003.5	1130.8	11.53	11.22
JULY	29	53	2140.2	1003.1	1137.1	11.60	11.29
JULY	30	54	2142.4	1004.4	1138.0	11.61	11.30

LOCATION : BARANGAY SAN JUAN  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 20 m  
 TOP OF CASING T : 0.53 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
JULY	31	55	2140.3	1005.6	1134.7	11.57	11.26
AUGUST	1	56	2142.2	1007.6	1134.6	11.57	11.26
AUGUST	2	57	2144.5	1006.7	1137.8	11.61	11.30
AUGUST	3	58	2142.0	1007.7	1134.3	11.57	11.26
AUGUST	4	59	2140.4	1009.0	1131.4	11.54	11.23
AUGUST	5	60	2137.7	1009.5	1128.2	11.51	11.20
AUGUST	6	61	2135.6	1009.0	1126.6	11.49	11.18
AUGUST	7	62	2134.8	1010.1	1124.7	11.47	11.16
AUGUST	8	63	2131.9	1011.5	1120.4	11.43	11.12
AUGUST	9	64	2130.1	1011.2	1118.9	11.41	11.10
AUGUST	10	65	2128.6	1010.2	1118.4	11.41	11.10
AUGUST	11	66	2125.3	1010.2	1115.1	11.37	11.06
AUGUST	12	67	2121.2	1009.1	1112.1	11.34	11.03
AUGUST	13	68	2117.9	1008.4	1109.5	11.32	11.01
AUGUST	14	69	2115.1	1007.9	1107.2	11.29	10.98
AUGUST	15	70	2116.2	1008.7	1107.5	11.30	10.99
AUGUST	16	71	2115.5	1009.4	1106.1	11.28	10.97
AUGUST	17	72	2112.2	1008.4	1103.8	11.26	10.95
AUGUST	18	73	2110.0	1006.1	1103.9	11.26	10.95
AUGUST	19	74	2108.9	1005.8	1103.1	11.25	10.94
AUGUST	20	75	2107.0	1006.0	1101.0	11.23	10.92
AUGUST	21	76	2109.4	1007.0	1102.4	11.24	10.93
AUGUST	22	77	2107.5	1008.8	1098.7	11.21	10.90
AUGUST	23	78	2107.6	1008.8	1098.8	11.21	10.90
AUGUST	24	79	2110.2	1007.8	1102.4	11.24	10.93
AUGUST	25	80	2113.0	1008.4	1104.6	11.27	10.96
AUGUST	26	81	2112.6	1009.6	1103.0	11.25	10.94
AUGUST	27	82	2110.6	1009.8	1100.8	11.23	10.92
AUGUST	28	83	2112.4	1009.4	1103.0	11.25	10.94
AUGUST	29	84	2110.3	1008.4	1101.9	11.24	10.93
AUGUST	30	85	2124.5	1007.2	1117.2	11.40	11.09
AUGUST	31	86	2116.7	1006.7	1110.0	11.32	11.01
SEPTEMBER	1	87	2124.5	1007.8	1116.7	11.39	11.08
SEPTEMBER	2	88	2135.2	1008.5	1126.7	11.49	11.18
SEPTEMBER	3	89	2145.9	1009.3	1136.6	11.59	11.28
SEPTEMBER	4	90	2119.6	1010.6	1109.0	11.31	11.00
SEPTEMBER	5	91	2126.4	1010.1	1116.3	11.39	11.08
SEPTEMBER	6	92	2121.5	1009.9	1111.7	11.34	11.03
SEPTEMBER	7	93	2145.9	1010.7	1135.2	11.58	11.27
SEPTEMBER	8	94	2115.7	1008.7	1107.0	11.29	10.98
SEPTEMBER	9	95	2101.1	1006.5	1094.6	11.16	10.85
SEPTEMBER	10	96	2087.5	1006.2	1081.2	11.03	10.72
SEPTEMBER	11	97	2083.6	1008.6	1075.0	10.96	10.65
SEPTEMBER	12	98	2125.4	1009.6	1115.8	11.38	11.07
SEPTEMBER	13	99	2102.1	1009.5	1092.5	11.14	10.83
SEPTEMBER	14	100	2060.2	1008.5	1051.7	10.73	10.42
SEPTEMBER	15	101	2073.8	1007.4	1066.4	10.88	10.57
SEPTEMBER	16	102	2041.7	1007.7	1033.9	10.55	10.24
SEPTEMBER	17	103	2068.0	1007.0	1061.0	10.82	10.51
SEPTEMBER	18	104	2087.5	1006.9	1080.5	11.02	10.71
SEPTEMBER	19	105	2091.3	1009.4	1082.0	11.04	10.73
SEPTEMBER	20	106	2090.4	1009.0	1081.4	11.03	10.72
SEPTEMBER	21	107	2076.7	1009.5	1067.3	10.89	10.58
SEPTEMBER	22	108	2057.3	1009.5	1047.8	10.69	10.38

LOCATION : BARANGAY SAN JUAN  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 20 m  
 TOP OF CASING T : 0.53 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
SEPTEMBER	23	109	2063.1	1009.2	1053.9	10.75	10.44
SEPTEMBER	24	110	2074.8	1008.8	1066.0	10.87	10.56
SEPTEMBER	25	111	2066.0	1008.0	1058.0	10.79	10.48
SEPTEMBER	26	112	2071.9	1007.7	1064.1	10.85	10.54
SEPTEMBER	27	113	2094.3	1008.4	1085.9	11.08	10.77
SEPTEMBER	28	114	2084.5	1008.6	1075.9	10.97	10.66
SEPTEMBER	29	115	2102.1	1009.1	1093.0	11.15	10.84
SEPTEMBER	30	116	2112.8	1010.1	1102.7	11.25	10.94
OCTOBER	1	117	2115.7	1009.8	1105.9	11.28	10.97
OCTOBER	2	118	2106.9	1009.6	1097.3	11.19	10.88
OCTOBER	3	119	2111.8	1011.2	1100.6	11.23	10.92
OCTOBER	4	120	2100.1	1011.3	1088.8	11.11	10.80
OCTOBER	5	121	2091.3	1010.7	1080.6	11.02	10.71
OCTOBER	6	122	2073.8	1010.6	1063.2	10.84	10.53
OCTOBER	7	123	2056.3	1009.0	1047.3	10.68	10.37
OCTOBER	8	124	2065.0	1008.2	1056.9	10.78	10.47
OCTOBER	9	125	2101.1	1009.4	1091.7	11.13	10.82
OCTOBER	10	126	2102.1	1009.8	1092.3	11.14	10.83
OCTOBER	11	127	2102.1	1010.3	1091.7	11.14	10.83
OCTOBER	12	128	2123.5	1011.1	1112.4	11.35	11.04
OCTOBER	13	129	2105.0	1011.9	1093.1	11.15	10.84
OCTOBER	14	130	2120.6	1011.4	1109.2	11.31	11.00
OCTOBER	15	131	2108.9	1011.0	1097.8	11.20	10.89
OCTOBER	16	132	2111.8	1011.0	1100.8	11.23	10.92
OCTOBER	17	133	2115.7	1011.4	1104.3	11.26	10.95
OCTOBER	18	134	2122.5	1010.9	1111.6	11.34	11.03
OCTOBER	19	135	2093.3	1009.6	1083.7	11.05	10.74
OCTOBER	20	136	2001.7	1007.5	994.2	10.14	9.83
OCTOBER	21	137	2027.1	1002.8	1024.2	10.45	10.14
OCTOBER	22	138	2058.2	1009.6	1048.6	10.70	10.39
OCTOBER	23	139	2067.0	1010.6	1056.4	10.77	10.46
OCTOBER	24	140	2061.2	1009.9	1051.2	10.72	10.41
OCTOBER	25	141	2042.6	1009.1	1033.6	10.54	10.23
OCTOBER	26	142	2025.1	1009.0	1016.1	10.36	10.05
OCTOBER	27	143	2030.0	1009.0	1021.0	10.41	10.10
OCTOBER	28	144	2022.2	1008.7	1013.5	10.34	10.03
OCTOBER	29	145	2046.5	1009.9	1036.6	10.57	10.26
OCTOBER	30	146	2068.0	1012.1	1055.8	10.77	10.46
OCTOBER	31	147	1972.5	1013.6	958.9	9.78	9.47
NOVEMBER	1	148	1959.8	1013.8	946.0	9.65	9.34
NOVEMBER	2	149	2071.9	1013.3	1058.6	10.80	10.49
NOVEMBER	3	150	2069.9	1013.3	1056.7	10.78	10.47
NOVEMBER	4	151	2058.2	1013.1	1045.1	10.66	10.35
NOVEMBER	5	152	2035.8	1012.6	1023.2	10.44	10.13
NOVEMBER	6	153	2035.8	1012.0	1023.8	10.44	10.13
NOVEMBER	7	154	2050.4	1012.5	1037.9	10.59	10.28
NOVEMBER	8	155	2049.5	1013.3	1036.1	10.57	10.26
NOVEMBER	9	156	2048.5	1013.6	1034.9	10.56	10.25
NOVEMBER	10	157	2010.5	1012.5	998.0	10.18	9.87
NOVEMBER	11	158	2028.0	1012.1	1016.0	10.36	10.05
NOVEMBER	12	159	2035.8	1011.8	1024.1	10.45	10.14
NOVEMBER	13	160	2030.0	1011.8	1018.2	10.38	10.07
NOVEMBER	14	161	2059.2	1011.7	1047.5	10.68	10.37
NOVEMBER	15	162	2081.6	1012.1	1069.5	10.91	10.60

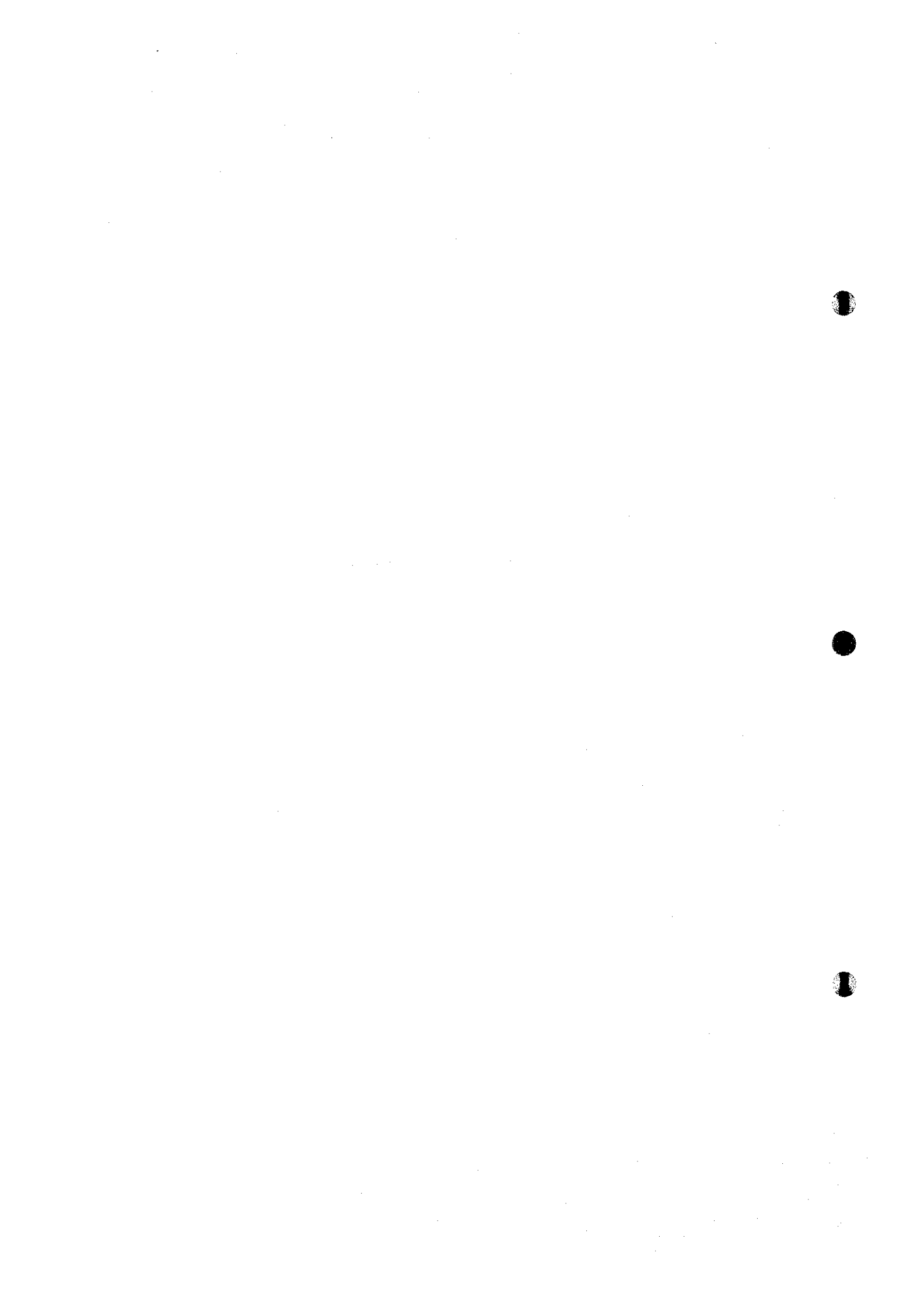


LOCATION : BARANGAY SAN JUAN  
 GENERAL TRIAS, CAVITE  
 ELEVATION : 20 m  
 TOP OF CASING T : 0.53 m

MONTHS	DAYS	NO.	PRESSURE			HEAD OF WATER	GWL ELEV. (MASL)
			Absolute	Atmospheric	Difference		
NOVEMBER	16	163	2087.5	1012.2	1075.2	10.97	10.66
NOVEMBER	17	164	2077.7	1012.5	1065.2	10.86	10.55
NOVEMBER	18	165	2036.8	1012.5	1024.3	10.45	10.14
NOVEMBER	19	166	2031.0	1012.6	1018.3	10.39	10.08
NOVEMBER	20	167	2048.5	1012.7	1035.8	10.56	10.25
NOVEMBER	21	168	2038.7	1011.9	1026.8	10.47	10.16
NOVEMBER	22	169	2029.0	1012.4	1016.6	10.37	10.06
NOVEMBER	23	170	2020.2	1012.3	1007.9	10.28	9.97
NOVEMBER	24	171	1913.1	1012.1	900.9	9.19	8.88
NOVEMBER	25	172	1937.4	1011.5	925.9	9.44	9.13
NOVEMBER	26	173	2046.5	1011.8	1034.7	10.55	10.24
NOVEMBER	27	174	2009.5	1011.5	998.0	10.18	9.87
NOVEMBER	28	175	2022.2	1012.5	1009.7	10.30	9.99
NOVEMBER	29	176	2067.0	1012.1	1054.9	10.76	10.45

## **5. WELL INVENTORY DATA**

**105 PGDB-REGISTERED WELLS**



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE

31621-0007

316219

**SCREEN 1: LOCATION**

PGDR No	31621-0007	Source	MWRB/LMUA	Local No	316219	
Other No	4614	Basin				
Longitude	120°55'32" X MW	356.0	X PTM	491.964	Basin Area	
Latitude	14°10'13" Y MW	8.0	Y PTM	1567.011	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	430.00	Accu.	UM	
Addr/Owner	POBLACION	BPW				
Mun. Code	AMA AMADEO	Year	1990	Pop	21,022	
Byg. Code				Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
152.4	100	UM	0.00	152.4	UM		93.0	152.4
Comp Date	01/01/48	Level		Own'p	Type		Use	
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)				
H.P. ab. Ground (m)		Static HL (mbmp)	56.71	HSL	373.29			

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	Perm. Class
6.1	C	CLAY BROWN		
134.1	K #	CONGLOMERATE, SANDY		
147.9	SS	SANDSTONE		
152.4	K	CONGLOMERATE		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. x <sub>ssw</sub> (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date / /	By	Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	1.26	OBSERVATION WELL NO.	
Total Drawdown (m)	3.05	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Temp °C	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	NH2S
	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>-</sup>	CH4
Turbidity	Fe <sup>++</sup>	HCO3 <sup>-</sup>	PO4 <sup>=</sup>	O2
Alkalinity	Na <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (H.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWLT	GW Level HSL	Date	GW Level BMP (m)	SWLT	GW Level HSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0003

7872

SCREEN 1: LOCATION

PGDB No	31621-0003	Source	MWRB	Local No	7872		
Other No	Basin						
Longitude	120°55'55	X MM	369.0	X PTM	492.654	Basin Area	
Latitude	14°12'00	Y MM	73.8	Y PTM	1570.299	Loc. Method	OAL
Prov. Code	CAV CAVITE		Cr. Elev	0.00		Accu.	
Addr/Owner	BANAY-BANAY		EPW				
Mun. Code	AMA AMADEO		Year	1990	Pop	21,022	
Egy. Code			Pop	0			

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
36.8									
Comp Date	05/09/55	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	32.01	MSL				-32.01	

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
3.7	C s	BROWN SANDY CLAY			
10.4	A	ADOBE STONE			
38.7	A	ADOBE ROCK			
36.8	SS	BROWN SAND ROCK			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Yaw (m)				Aquifer Loss Conf.B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const.-C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawn.	Recov.
Duration (min)	0			Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32			OBSERVATION WELL NO.	
Total Drawdown (m)	1.52			Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.2			Leakage (a-1*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MN4+	NO3-	CO2
Cond. $\mu$ S/cm	Mg++	Zn++	NO2-	N2S
Temp °C	Hn++	Co++	CO3=	CHA
Turbidity	Fe++	HCO3-	PO4=	OZ
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SI02	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)			H.P. ab. Ground			Period. m.	
Date	CW Level BHP (m)	SWL?	CW Level HSL	Date	CW Level BHP (m)	SWL?	CW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0023

WELL#1

SCREEN 1: LOCATION

PCDB No	31621-0023	Source	NWRB	Local No	WELL#1
Other No	Basin				
Longitude	120°56'18" X MM	381.9	X PTM	493.348	Basin Area
Latitude	14°19'36" Y MM	354.2	Y PTM	1584.312	Loc. Method
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Add/Owner	DASHARINAS WATER DISTRICT				
Man. Code	DAS DASHARINAS		Year	1990	Pop
					136,556
Rgy. Code					Pop
					0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
176.0	356	UN	0.00	90.0	UN			86.0	90.0
	203	UN	90.0	176.0	UN			90.0	100.0
					UN			102.0	104.0
					UN			107.5	111.5
					UN			116.0	122.0
					UN			123.5	129.5
					UN			130.5	133.5
					UN			140.5	147.5
					UN			148.5	151.5
					UN			152.5	155.5

Comp Date	/ /	Level		Ow'n'p		Type		Use
Operating?		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbap)		MSL				

SCREEN 3: STRATA LOG DATA

Driller	Form	F. Area	Logs	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
26.0	C	BROWNISH AND GRAYISH CLAY			
36.0	C #	GRAYISH CLAY WITH F-MED. COARSE SAND			
53.0	C #	BROWNISH AND GRAYISH CLAY WITH FINE SAND			
56.0	SH	BLACK SHALE			
65.0	C #	GRAYISH CLAY WITH SAND			
69.0	S1	FINE SAND			
79.0	A c	BLACK ADOBE WITH GRAYISH CLAY			
106.0	C S	CLAY (GRAYISH STICKY, BROWNISH AND SANDY)			
110.0	S 1	SAND WITH LIMESTONE			
130.0	C #	CLAY (BLACK, SANDY, BROWNISH WITH SAND)			
134.0	SSc	SANDSTONE WITH CLAY			
135.0	C	GRAYISH STICKY CLAY			
145.0	C #	BROWNISH LOOSE CLAY WITH SAND			
154.0	SS	SANDSTONE			
158.0	C #	BROWNISH AND GRAYISH CLAY WITH SAND			
172.0	C #	STICKY AND SANDY CLAY			
175.0	SS	SANDSTONE			
176.0	C	CLAY			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. YAw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/CM	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)	H.P. ab. Ground		Period. m.				
Date	GW Level BMP (m)	SWL?	GW Level HSL	Date	GW Level BMP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE

31621-0018

MC#12

**SCREEN 1: LOCATION**

PGDB No	31621-0018	Source	MWR/INUA	Local No	MC#12	
Other No	Basin					
Longitude	120°56'40" X MM	394.3	X PTM	494.007	Basin Area	
Latitude	14°19'05" Y MM	335.2	Y PTM	1583.360	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	130.00	Accu.	UM
Addr/Owner	SAM AGUSTIN (VINE VILLAGE)					
Mun. Code	DAS DASMARINAS		Year	1990	Pop	136,536
Bgy. Code					Pop	0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type/Perf	Slot (mm)	Top (m)	Bot (m)
122.0	200 150		0.00 61.0	61.0 122.0	UN		61.0	122.0
Comp Date	/ /	Level	Own'p	Type	Use			
Operating?	Lift. Device	Gravel Pack (mm)						
M.P. ab. Ground (m)	Static WL (mbmp)	36.60	HSL	93.40				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
39.6	S3c p	COARSE SAND WITH CLAY AND PEBBLES		
85.4	S3g	COARSE SAND WITH SOME PEA-SIZED GRAVEL		
91.5	S3	YELLOWISH BROWN COARSE SAND		
103.7	S 1	YELLOWISH BROWN SILTY SAND		
106.7	S3	COARSE SAND		
112.8	S1S2	GRAY FINE TO MEDIUM SAND		
122.0	S11	GRAY FINE SILTY SAND		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. 16w (m)	Aquifer Loss Conf. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)	Well Loss Const. -C(sec <sup>2</sup> /m <sup>3</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date / /	By	Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	1.68
Discharge (l/s)	9.45	OBSERVATION WELL NO.	
Total Drawdown (m)	4.60	Storage (%10-3)	
Sp. Cap. End Test (l/s/m)	2.0	Leakage (a-1*10 <sup>-10</sup> )	
Well Potential	MEDIUM	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BMP (m)	SWL	GW Level HSL	Date	GW Level BMP (m)	SWL	GW Level HSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0185

**SCREEN 1: LOCATION**

PCOB No	31621-0185		Source	MRB		Local No	
Other No			Basin				
Longitude	120°57'08	X NY	435.1	X PTM	494.846	Basin Area	
Latitude	14°19'14	Y NY	340.7	Y PTM	1583.636	Loc. Method	OLM
Prov. Code	CAVAVITE		Cr. Elev	0.00		Accu.	
Addr/Owner	VIA VERDE VILLAGE		STATELAND INVESTMENTS CORP.				
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556	
Bgy. Code					Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (m)	Type	Top (mbg)	Bot (mbg)	Screen Type	Parf	Slot (mm)	Top (mbg)	Bot (mbg)
183.0	300	203	0.00	183.0	SS	WW		88.0	91.0
					SS	WW		103.0	106.0
					SS	WW		121.0	127.0
					SS	WW		136.0	139.0
					SS	WW		142.0	151.0
					SS	WW		157.0	160.0
					SS	WW		172.0	175.0

Comp Date	03/30/87	Level		Own'p		Type	UPR	Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.F. ab. Ground (m)		Static WL (mbmp)	25.90	HSL	-25.90				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by			
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP RS	Perm. Class
24.0					
49.0					
74.0					
85.0					
94.0					
98.0					
104.0					
107.0					
110.0					
122.0					
131.0					
134.0					
146.0					
153.0					
160.0					
174.0					
183.0					

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. rfw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const.-C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)	2160	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	6.94	OBSERVATION WELL NO.	
Total Drawdown (m)	7.92	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.8	Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	M.F. ab. Ground		Period. m.				
Date	GW Level BMP (m)	SWL?	GW Level HSL	Date	GW Level BMP (m)	SWL?	GW Level HSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

# 101 101

31621-0196

**SCREEN 1: LOCATION**

PCPP No	31621-0196	Source	MARB/TW 12594	Local No	
Other No		Basin			
Longitude	120°58'16" X MM	448.4	X PTH	496.883	Basin Area
Latitude	14°17'41" Y MM	283.5	Y PTH	1580.778	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	PIELA	MANILA MEMORIAL PARK CEM., INC			
Phn. Code	DAS DASHARINAS	Year	1990	Pop	136,556
Bgy. Code		Pop			0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
183.0	304	SS	0.00	183.0	UN	UP		55.0	67.0
					UN	UP		73.2	91.5
					UN	UP		97.6	110.0
					UN	UP		115.8	140.2
					UN	UP		152.4	170.8
Comp Date	02/27/90	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	49.60	MSL				-49.60	

**SCREEN 3: STRATA LOG DATA**

Driller	Form.	F. Area	Logs	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
6.1		TOP SOIL, FINE SAND			
10.7		CLAY WITH VERY FINE SAND			
30.5		MED. TO CRSE SAND WITH VOLCANIC CYNDER			
35.0		V. FINE SAND, VOLCANIC CYNDER, LIMESTONE			
47.2		TUFFAC. SANDSTONE, VOLC. CYNDER, LIMEST.			
57.9		FINE SAND, VOLC. CYNDER, TRACES OF CLAY			
79.2		TUFFACEOUS SANDSTONE WITH VOLC. CYNDER			
97.5		TUFF. SANDST., LIMESTONE, TRACES OF CLAY			
108.2		VOLCANIC CYNDER, TUFFACEOUS SANDSTONE			
128.0		TUFFAC. SANDSTONE, LIMESTONE, FINE SAND			
137.2		FINE SAND, VOLC. CYNDER, LIMESTONE			
153.9		VERY FINE SAND WITH CLAY			
158.5		TUFFACEOUS SANDSTONE, FINE SAND			
183.9		VERY FINE SAND WITH LIMESTONE			

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Elev (m)		Aquifer Loss Conf. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn. Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Discharge (l/s)		OBSERVATION WELL NO.
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 <sup>-10</sup> )
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
	Ca++	NH4+	NO3-	CO2
Color	Mg++	Zn++	NO2-	H2S
Cond. $\mu$ S/cm	Na++	Cu++	CO3=	CH4
Temp °C	Fe++	HCO3-	PO4=	O2
Turbidity	Na+	SO4=	F-	B
Alkalinity	K+	Cl-	SiO2	Pb
T. Hardness				

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	M.P. ab. Ground		Period. m.				
Date	GW Level BMP (m)	SVL?	GW Level MSL	Date	GW Level BMP (m)	SVL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0183

**SCREEN 1: LOCATION**

P/DB No	31621-0183	Source	MWRB	Local No	
Other No		Basin			
Longitude	120°36'00" X MM	371.8	X PTM	492.807	Basin Area
Latitude	14°17'15" Y MM	267.5	Y PTM	1579.979	Loc. Method
Prov. Code	CAY CAVITE	Gr. Elev	0.00	Accu.	OLM
Add/Owner	LAMCKAAM	FIRST CAVITE INDUSTRIAL ESTATE			
Mun. Code	DAS DASMARINAS	Year	1990	Pop	136,556
Bgy. Code		Pop			0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
200.0	500	334	UN	0.00	188.0	UN	WW	68.0	77.0
						UN	WW	85.0	88.0
						UN	WW	92.0	95.0
						UN	WW	99.0	102.0
						UN	WW	137.0	143.0
						UN	WW	152.0	158.0
						UN	WW	170.0	173.0
						UN	WW	179.0	182.0

Comp Date	08/06/91	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static ML (mbmp)	33.75	HSL	-33.75				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	PE SP RS	Perm. Class
6.0					
12.0					
35.0					
40.0					
45.0					
58.0					
60.0					
79.0					
82.0					
90.0					
92.0					
95.0					
101.0					
103.0					
109.0					
124.0					
131.0					
138.0					
143.0					
152.0					
162.0					
166.0					
175.0					
200.0					

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date		By		No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Total Spec. Drawd. H <sub>rw</sub> (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )			
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )			

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date		By		Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)		OBSERVATION WELL NO.			
Total Drawdown (m)		Storage (+10-3)			
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	N <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0029

5147

SCREEN 1: LOCATION

PGDB No	31621-0029	Source	MWLB	Local No	5147		
Other No	Basin						
Longitude	120°59'32	X MY	491.2	X PTM	499.161	Basin Area	
Latitude	14°17'45	Y MY	286.0	Y PTM	1580.900	Loc. Method	OAL
Prov. Code	CAV CAVITE		Cr. Elev	0.00	Accu.		
Addr/Owner	PALIPARAN		RPW				
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556	
Egy. Code			Pop			0	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
227.1									
Comp Date	/ /	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack (mm)							
M.P. ab. Ground (m)	Static WL (mbg)		41.16	MSL	-41.16				

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Described by	
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
6.1	C	YELLOW CLAY			
21.3	A	ADobe			
50.3	C	YELLOW STICKY CLAY			
56.4	R	SOLID ROCK			
85.4	C	YELLOW STICKY CLAY			
91.5	SS	SANDSTONE			
131.1	C	YELLOW STICKY CLAY			
136.7	R	SOLID STONE			
204.3	C	YELLOW STICKY CLAY			
227.1	C	LIGHT BLUE CLAY			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Yaw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)	0.95	OBSERVATION WELL NO.			
Total Drawdown (m)	1.53	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.6	Leakage (x-1*10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/CM	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	N <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SI0 <sub>2</sub>	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWL?	GW Level NSL	Date	GW Level BMP (m)	SWL?	GW Level NSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0038

**SCREEN 1: LOCATION**

PCDB No	31621-0038		Source	MWRB		Local No	
Other No	Basin						
Longitude	120°55'26" X MM	352.6	X PTM	491.787	Basin Area		
Latitude	14°15'10" Y MM	190.7	Y PTM	1576.138	Loc. Method	OAL	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Addr./Owner	FAMUNGYAMAN		BFW				
Mun. Code	TRI GEN. TRIAS		Year	1990	Pop	52,888	
Bgy. Code			Pop	0			

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
91.4	150	UN	0.00	91.4	UN			53.3	57.9
					UN			67.1	70.1
					UN			83.8	88.4

Comp Date	/ /	Level	Own'p	Type	Use
Operating?		Lift. Device	Gravel Pack (mm)		
H.P. ab. Ground (m)		Static WL (mbmp)	45.42	MSL	-45.42

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by
Depth to Underside of Layer (m)	Form.	F. Area
	Code	Brief Description of Penetrated Strata
4.2	C	CLAY
12.3	A t	ADOBE (TUFP)
17.1	C	PLASTIC CLAY
23.5	S3	VERY COARSE SAND
24.6	C	CLAY
28.3	S3	VERY COARSE SAND
30.4	T	WEATHERED TUFP
38.5	S3	VERY COARSE SAND
48.6	T	WEATHERED TUFP
58.8	S3	VERY COARSE SAND
62.0	T	TUFP
66.8	VO	VOLCANIC ROCK
71.1	A VO	ADOBE AND VOLCANIC ROCK
80.7	A	ADOBE
88.2	VO	VOLCANIC ROCK
91.4	A	ADOBE

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const.-C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date / /	By	Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	2.08	OBSERVATION WELL NO.	
Total Drawdown (m)	4.88	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	H2S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>=</sup>	CH4
Turbidity	Fe <sup>++</sup>	NO3 <sup>-</sup>	PO4 <sup>=</sup>	O2
Alkalinity	Na <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	CL <sup>-</sup>	SI02	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (H.P.)			H.P. ab. Ground			Period. m.	
Date	GW Level BMP (m)	SWLI	GW Level HSL	Date	GW Level BMP (m)	SWLI	GW Level HSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0182

**SCREEN 1: LOCATION**

PDB No	31621-0182	Source	MRRB/PNI2577	Local No		
Other No	Basin					
Longitude	120°55'21" X MM	349.8	X PTM	491.637	Basin Area	
Latitude	14°15'45" Y MM	212.2	Y PTM	1577.214	Loc. Method	DLM
Prov. Code	CAV CAVITE		Gr. Elev	180.00	Accu.	
Addr/Owner	NO. JAVALERA		GATEWAY PROPERTY HOLDINGS INC.			
Mun. Code	TRI GEN. TRIAS		Year	1990	Pop	52,888
Reg. Code			Pop	0		

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
82.0	350	ST	0.00	82.0	ST	WW	1.0	67.0	79.0
200.0	300	ST	82.0	193.0	ST	WW	1.0	86.0	89.0
					ST	WW	1.0	94.0	100.0
					ST	WW	1.0	110.0	116.0
					ST	WW	1.0	119.0	125.0
					ST	WW	1.0	146.0	149.0
					ST	WW	1.0	160.0	163.0
					ST	WW	1.0	184.0	190.0

Comp Date	12/22/89	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)	2.0 - 4.0				
M.P. ab. Ground (m)		Static WL (mbmp)	24.78	MSL	155.22				

**SCREEN 3: STRATA LOG DATA**

Driller	Brill. Method	Described by	MS

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	PE SP RS	Perm. Class
2.0					
15.0					
18.0					
28.0					
43.0					
50.0					
56.0					
97.0					
200.0					

**Brief Description of Penetrated Strata**

TOP SOIL  
 SILTY SANDY CLAY WITH VOLCANIC TUFF  
 SILTY CLAY WITH SAND  
 SILTY FINE SAND WITH VOLCANIC TUFF  
 SILTY F. TO CRSE SAND WITH TUFF AND CLAY  
 TUFFACEOUS SANDSTONE WITH SILT AND SAND  
 VOLCANIC TUFF WITH GRAVEL  
 TUFFACEOUS SANDSTONE AND PUMICE WITH NO SAMPLE TAKEN

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	12/17/89	By		No Steps / Duration (min)	4/40
Q Max (l/s)		22.00	Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		
Total Spec. Drawd. 24hr (m)	21.92	Aquifer Loss Coef. B(sec/m <sup>2</sup> )	575.00		
Specific Capacity (l/s/m)	1.00	Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	1545		

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	12/18/89	By		Drawda.	Recov.
Duration (min)	4320	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	2.70	6.20	
Discharge (l/s)	21.90	OBSERVATION WELL NO.			
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)		Leakage (a <sup>-1</sup> *10 <sup>-10</sup> )			
Well Potential	MEDIUM	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

**SCREEN 6: WATER QUALITY ANALYSIS (PPH or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Na <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>m</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	M.P. ab. Ground	Period. m.					
Date	GW Level BHP (m)	SWL?	GW Level MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

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31621-0043

176706

SCREEN 1: LOCATION

PCDB No	31621-0043	Source	MWRB/LWUA	Local No	176706
Other No	Basin				
Longitude	120°51'11" X MW	209.0	X PTM	484.141	Basin Area
Latitude	14°13'23" Y MW	124.8	Y PTM	1572.854	Loc. Method
Prov. Code	CAV CAVITE	Cr. Elev	330.00	Accu.	
Addr/Owner	BAMARA CERCA	BPW			
Mun. Code	IMD INDANG	Year	1990	Pop	39,294
Egy. Code		Pop	0		

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
32.0	100	UN	0.00	27.4	UN			27.4	32.0
Comp Date	09/04/67	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbwp)	7.62	MSL	322.38				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
1.5	C	YELLOW CLAY		
11.2	A	HARD ADOBE		
23.7	C a	ADOBE CLAY		
30.5	R	HARD STONE		
32.0	S C	SAND AND GRAVEL		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. E <sub>ssw</sub> (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)	150	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)	0.50	OBSERVATION WELL NO.			
Total Drawdown (m)	3.05	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.1	Leakage (s-1*10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. $\mu$ S/cm	Hg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	H2S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>+</sup>	CH4
Turbidity	Fe <sup>++</sup>	NCO3 <sup>-</sup>	PO4 <sup>n</sup>	O2
Alkalinity	Na <sup>+</sup>	SO4 <sup>n</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)	M.P. ab. Ground	Period. m.					
Date	CW Level BHP (m)	SWL?	CW Level MSL	Date	CW Level BHP (m)	SWL?	CW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

48 58 88 14 00 88

31621-0048

9345

**SCREEN 1: LOCATION**

PGWB No	31621-0048	Source	NWRB/LWUA/WIA			Local No	9345
Other No						Basin	
Longitude	120°53'15	X MM	278.9	X PTH	487.857	Basin Area	
Latitude	14°11'20	Y MM	49.2	Y PTH	1569.072	Loc. Method	OLC
Prov. Code	CAV CAVITE		Gr. Elev	338.00	Accu.	UM	
Addr/Owner	BUNA CERCA		BPW				
Mun. Code	IND INDANG		Year	1990	Pop	39,294	
Rgy. Code						Pop	0

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Elev (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	/ /	By		Drawdn.	Recor.
Duration (min)	2400	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)	0.63	OBSERVATION WELL NO.			
Total Drawdown (m)	1.52	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s-1*10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth φ (mm)	Casing φ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
76.2	150	UM	0.00	31.2	UM		31.2	76.2

Comp Date	05/21/56	Level		Own'p		Type		Use
Operating?		Lift. Device		Gravel Pack φ (mm)				
M.P. ab. Ground (m)		Static WL (mbwp)	25.90	HSL	312.10			

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. μS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	NZS
Temp °C	Na <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
2.1	C	YELLOW CLAY		
10.6	A	SOFT ADOBE STONE		
21.3	A	ADOBE ROCK		
39.6	SS	SAND ROCK		
53.0	A g	ADOBE STONE WITH GRAVEL		
59.7	SS	SAND ROCK		
64.0	C	YELLOW STICKY CLAY		
76.2	A	HARD ADOBE ROCK		

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. m.		
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL	

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0056

SCREEN 1: LOCATION

PCDB No	31621-0056	Source	MWRB		Local No	
Other No		Basin				
Longitude	120°51'15	X NM	211.3	X PTM	484.260	Basin Area
Latitude	14°12'34	Y NM	94.7	Y PTM	1571.348	Loc. Method
Prov. Code	CAV CAVITE		Cr. Elev	0.00	Accu.	
Addr/Owner	CALUMPANG		BPM			
Man. Code	1ND INDANG	Year	1990	Pop	39,294	
Bgy. Code				Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
91.4	150	UN	0.00	91.4	UN	UN		42.7	61.0
								73.1	85.3

Comp Date	/ /	Level	Own'p	Type	Use
Operating?		Lift. Device	Gravel Pack $\phi$ (mm)		-
M.P. ab. Ground (m)		Static WL (mbag)	27.43	HSL	-27.43

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
6.1	EA	TOP SOIL		
9.1	SS	SANDSTONE		
21.3	A	BROWN ADOBE		
33.5	SS	SANDSTONE		
41.1	A	ADOBE STONE		
45.7	SS	SANDSTONE		
47.2	S1	FINE SAND		
54.8	A	ADOBE STONE		
60.9	A	ADOBE WITH SAND		
70.1	A	GRAY HARD ADOBE		
77.7	A	ADOBE WITH SAND		
82.3	S1	FINE SAND		
88.3	A	BROWN ADOBE		
91.4	A	BLACK ADOBE		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. x10 <sup>4</sup> (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (a-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. $\mu$ S/CM	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	H2S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>=</sup>	CH4
Turbidity	Fe <sup>++</sup>	HCO3 <sup>-</sup>	PO4 <sup>m</sup>	O2
Alkalinity	Na <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0067

**SCREEN 1: LOCATION**

PCDB No	31621-0067	Source	MWB/BRS	Local No		
Other No	Basin					
Longitude	120°53'00" X MM	270.4	X PTM	487.406	Basin Area	
Latitude	14°10'36" Y MM	22.1	Y PTM	1567.720	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	KAYQUIT					
Mun. Code	IMD INDANG		Year	1990	Pop	39,294
Rgy. Code					Pop	0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
48.8	140	SS	0.00	48.8	UM		27.4	39.6
Comp Date	/ /	Level		Own'p	Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)				
H.P. ab. Ground (m)		Static WL (mbmp)	19.80	MSL			-19.80	

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	Perm. Class
24.4 48.8	A SS			
Brief Description of Penetrated Strata HARD ADORE SANDSTONE				

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Estw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recor.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (a*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	R2S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>=</sup>	CH4
Turbidity	Fe <sup>++</sup>	HCO3 <sup>-</sup>	PO4 <sup>=</sup>	O2
Alkalinity	Na <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (H.P.)	H.P. ab. Ground	Period. m.					
Date	CW Level BHP (m)	SWL?	CW Level MSL	Date	CW Level BHP (m)	SWL?	CW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0040

170014

**SCREEN 1: LOCATION**

PCDB No	31621-0040	Source	MWRB/LWRA	Local No	176014
Other No	Basin				
Longitude	120°53'20" X MM	281.7	X PTM	488.008	Basin Area
Latitude	14°12'52" Y MM	105.8	Y PTM	1571.899	Loc. Method
Prov. Code	CAV CAVITE		Gr. Elev	290.00	Accu.
Addr/Owner	ALULOD		BPM		
Mun. Code	IMD INDANG		Year	1990	Pop
Reg. Code			Pop	39,294	
			Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf (mm)	Top (mbg)	Bot (mbg)
29.0	100	UN	0.00	22.2	UN		22.2	25.9
Comp Date	04/17/60	Level		Own'p		Type		Use
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)				
H.P. ab. Ground (m)		Static WL (mbmp)	12.20	MSL	277.80			

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area
	Code	Logs
	Brief Description of Penetrated Strata	
1.5	C	BROWN CLAY
4.5	A	HARD ADOBE ROCK
11.2	C	BROWN STICKY CLAY
23.1	A	ADOBE ROCK
26.2	SS	SANDY ROCK
28.0	C a	BROWN SANDY CLAY
28.9	C a	BLUE ADOBE CLAY
		Perm. Class

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Draw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)	720	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	3.05	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.1	Leakage (a-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Hg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	H.P. ab. Ground	Period. m.
Date	GW Level BMP (m)	SWL?
	GW Level MSL	Date
	GW Level BMP (m)	SWL?
	GW Level MSL	

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM NO. 10-73

31621-0072

11773

SCREEN 1: LOCATION

PGDB No	31621-0072	Source	MARUB/LMUA/NIA	Local No	11773
Other No			Basin		
Longitude	X NM		X PTM	Basin Area	
Latitude	Y NM		Y PTM	Loc. Method	
Prov. Code	CAY CAVITE		Gr. Elev	360.00	Accu. UN
Addr/Owner	KAYQUIT		BPN		
Mun. Code	IMD IMDANG		Year	1990	Pop 39,294
Egy. Code			Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Parf	Slot (mm)	Top (mbg)	Bot (mbg)
88.4	112	UN	0.00	54.3	UN			54.3	88.4
Comp Date		03/09/56	Level		Own'p		Type		Use
Operating?			Lift. Device		Gravel Pack $\phi$ (mm)		-		
M.P. ab. Ground (m)			Static WL (mbgp)	39.63	MSL	320.37			

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class	
Brief Description of Penetrated Strata					
2.1	C	BROWN CLAY			
12.1	A	ADOBE STONE			
14.6	A	SOFT ADOBE STONE			
25.9	A	ADOBE ROCK			
34.1	R	HARD ROCK			
56.4	A	ADOBE ROCK			
88.4	SS	SAND ROCK			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec <sup>10-3</sup> )	
Total Spec. Drawd. $\Sigma$ sw (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recor.
Duration (min)	0			Trans. (m <sup>2</sup> /sec <sup>10-3</sup> )	
Discharge (l/s)	0.50			OBSERVATION WELL NO.	
Total Drawdown (m)	1.22			Storage (*10-3)	
Sp. Cap. End Test (l/s/m)	0.4			Leakage (s-1*10-10)	
Well Potential				Trans. (m <sup>2</sup> /sec <sup>10-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPH or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. $\mu$ S/cm	Mg++	Zn++	NO2-	N2S
Temp °C	Na++	Cu++	CO3-	CM4
Turbidity	Fe++	HCO3-	PO4u	O2
Alkalinity	Na+	SO4u	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE

31621-0063

176012

SCREEN 1: LOCATION

PCDB No	31621-0063	Source	MWRB/LWA	Local No	176012			
Other No		Basin						
Longitude	120°50'37" X	MM	189.8	X	PTM	483.120	Basin Area	
Latitude	14°11'40" Y	MM	61.5	Y	PTM	1569.689	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	276.00	Accu.	UN		
Addr/Owner	DAYWE		BPW					
Mun. Code	IND INDANG		Year	1990	Pop	39,294		
Rgy. Code					Pop	0		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. 245W (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
40.8	100	UN	0.00	38.7	UN	HP		35.0	38.4
Comp Date	03/02/60	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
N.P. sb. Ground (m)		Static WL (mbmp)	27.44	MSL	248.56				

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)	0.32	OBSERVATION WELL NO.			
Total Drawdown (m)	3.05	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.1	Leakage (m <sup>-1</sup> *10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MN <sup>4+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	M <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SI0 <sub>2</sub>	Pb

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by			
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class	
Code	Brief Description of Penetrated Strata				
6.7	C	BROWN CLAY			
19.2	C	BROWN STICKY CLAY			
28.0	A	ADOBE ROCK			
40.8	SS	SANDY ROCK			

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P)	M.P. sb. Ground	0.00	Period. m.	No			
Date	GW Level BMP (m)	SWLT	GW Level MSL	Date	GW Level BMP (m)	SWLT	GW Level MSL
02/18/60	29.88	Yes	246.12				
02/20/60	28.96	Yes	247.04				
02/21/60	27.44	Yes	248.56				

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0065

176015

SCREEN 1: LOCATION

PCDB No	31621-0065	Source	MARU/LMUA	Local No	176015
Other No	Basin				
Longitude	120°50'50	X MM	197.2	X PTM	483.509
Latitude	14°11'37	Y MM	59.7	Y PTM	1569.597
Prov. Code	CAY CAVITE	Gr. Elev	276.00	Accu.	UN
Addr/Owner	DAYNE 1ST	BPM			
Mun. Code	IND INDANG	Year	1990	Pop	39,294
Rgy. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth	Casing φ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
44.8	150	UN	0.00	41.7	UN	UN		25.0	27.7
								39.0	41.7
Comp Date	05/18/60	Level		Own'p	Type				Use
Operating?		Lift. Device		Gravel Pack φ (mm)					
M.P. ab. Ground (m)		Static WL (mbg)	34.40	MSL	241.60				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area
	Code	Logs
	Brief Description of Penetrated Strata	
1.5	C	BROWN CLAY
2.4	A	ADOBE ROCK
16.4	C	BROWN STICKY CLAY
19.8	A	ADOBE ROCK
24.3	C	BROWN STICKY CLAY
27.4	SS	SANDY ROCK
41.7	C #	BROWN SANDY CLAY
44.2	S3	COARSE SAND
44.8	C	BROWN CLAY
		Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Elev (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By	Drawda.	Recor.
Duration (min)		0		
Discharge (l/s)		0.32		
Total Drawdown (m)		4.57		
Sp. Cap. End Test (l/s/m)		0.0		
Well Potential				

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	IDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μS/cm	Mg++	Zn++	NO2-	H2S
Temp °C	Na++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.F)	H.P. ab. Ground		Period. m.				
Date	GW Level BWP (m)	SWL?	GW Level HSL	Date	GW Level BWP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0046

176222

SCREEN 1: LOCATION

JGDN No	31621-0046	Source	MNRB/LWA	Local No	176222
Other No		Basin			
Longitude	120°52'20" X PM	247.9	X PTM	486.209	Basin Area
Latitude	14°15'00" Y PM	110.7	Y PTM	1572.146	Loc. Method
Prov. Code	CAV CAVITE		Gr. Elev	280.00	Accu.
Addr/Owner	BANCUD		BPM		
Mun. Code	IND INDANG		Year	1990	Pop
Reg. Code			Pop		0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
35.7	100	UN	0.00	30.5					

Comp Date	06/29/62	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static ML (mbg)	11.60	MSL				268.40	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	
	Code	Logs	
	Brief Description of Penetrated Strata		
		Perm. Class	
0.9	C	BROWN CLAY	
3.0	A	HARD ADOBE ROCK	
10.6	C	BROWN STICKY CLAY	
13.6	R	HARD ROCK	
25.0	SS	SAND ROCK	
28.6	C	YELLOW STICKY CLAY	
29.8	A	ADOBE ROCK	
34.0	R	HARD ROCK	
35.6	S3	COARSE SAND	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Draw (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawda.	Recov.
Duration (min)			0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		0.32		OBSERVATION WELL NO.	
Total Drawdown (m)		1.52		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		0.2		Leakage (a-*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Temp °C		pH		TDS		TSS		ODOR	
Color		Ca++		NH4+		NO3-		CO2	
Cond. µS/cm		Mg++		Zn++		NO2-		H2S	
Turbidity		Na++		Cu++		CO3=		CH4	
Alkalinity		Fe++		HCO3-		PO4=		O2	
T. Hardness		N+		SO4=		F-		B	
		K+		Cl-		SiO2		Pb	

SCREEN 7: GROUNDWATER LEVELS HISTORY

Date	Measuring Pt. (H.P)		M.P. ab. Ground		Date	0.00		Period. m.	No
	GW Level BHP (m)	SWL?	GW Level MSL	Date		GW Level BHP (m)	SWL?		
05/18/60	11.60	Yes	268.40						
05/11/62	13.70	Yes	266.30						
05/14/62	12.20	Yes	267.80						

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM NO. 100-100

31621-0051

9344

SCREEN 1: LOCATION

PGWB No	31621-0051	Source	NWRB/LWUA		Local No	9344
Other No		Basin				
Longitude	120°53'56" X MM	301.9	X PTM	489.085	Basin Area	
Latitude	14°10'28" Y MM	17.2	Y PTM	1567.474	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	378.00	Accu.	UM
Add/Owner	BUNA LEJOS		BPW			
Mun. Code	IND INDANG		Year	1990	Pop	39,294
Dist. Code					Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)	
55.2	150	UM	0.00	48.2						
Comp Date		04/29/56	Level		Own'p	Type	Use			
Operating?			Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)			Static WL (mbmg)	42.70	MSL	335.30				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs		
Code	Brief Description of Penetrated Strata			Perm. Class	
1.5	C	YELLOW CLAY			
18.2	A	ADOBE			
28.0	A	ADOBE ROCK			
39.3	SSg	SAND ROCK WITH GRAVEL			
51.8	SS	SAND ROCK			
55.1	SSg	SAND ROCK WITH GRAVEL			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. ( $m^2/sec \cdot 10^{-3}$ )	
Total Spec. Drawd. 24hr (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)		0		Trans. ( $m^2/sec \cdot 10^{-3}$ )	
Discharge (l/s)		0.63		OBSERVATION WELL NO.	
Total Drawdown (m)		1.54		Storage ( $\cdot 10^{-3}$ )	
Sp. Cap. End Test (l/s/m)		0.4		Leakage ( $n \cdot 10^{-10}$ )	
Well Potential				Trans. ( $m^2/sec \cdot 10^{-3}$ )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	Mg++	NO3-	CO2
Cond. $\mu S/cm$	Mg++	Zn++	NO2-	H2S
Temp °C	Na++	Cu++	CO3-	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P)		M.P. ab. Ground		0.00	Period. m.	No	
Date	GW Level BHP (m)	SWL?	GW Level MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL
04/25/56	36.60	Yes	341.40				
11/08/61	35.10	Yes	342.90				
12/04/69	42.70	Yes	335.30				

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

AS 80 87 88 89 90

31621-0061

9343

SCREEN 1: LOCATION

PGDB No	31621-0061	Source	MAR/LWUA/NIA	Local No	9343	
Other No	Basin					
Longitude	120°50'57	X MM	201.1	X PTM	483.722	
Latitude	14°14'17	Y MM	158.1	Y PTM	1574.514	
Prov. Code	CAV CAVITE	Cr. Elev	170.00	Accu.	UM	
Add/Owner	CALUMPANG LEJOS	BFW				
Mun. Code	IMD INDANG	Year	1990	Pop	39,294	
Reg. Code					Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
90.8	150	UM	0.00	40.5					

Comp Date	04/13/56	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	30.60	MSL	139.40				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
4.5	C a			ADobe CLAY
6.1	C			STICKY CLAY
8.2	A			SOFT ADobe STONE
12.2	A			ADobe ROCK
25.6	A			ADobe
30.5	S			LOOSE SAND ROCK
39.6	A			BROWN ADobe STONE
52.4	A			HARD ADobe ROCK
90.8	SS			SAND ROCK

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Draw (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Duration (min)	3270	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	Drawdn. Recov.
Discharge (l/s)				0.63	OBSERVATION WELL NO.		
Total Drawdown (m)				1.54	Storage (*10 <sup>-3</sup> )		
Sp. Cap. End Test (l/s/m)				0.4	Leakage (a-1*10 <sup>-10</sup> )		
Well Potential					Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Temp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MN4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	N2S
Temp °C	Mn++	Cu++	CO3-	CH4
Turbidity	Fe++	HCO3-	PO4m	O2
Alkalinity	Na+	SO4m	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0066

SCREEN 1: LOCATION

PCDB No	31621-0066	Source	MARB/BRS	Local No	
Other No		Basin			
Longitude	120°52'26 X MM	251.2	X PTM	486.388	Basin Area
Latitude	14°11'34 Y MM	37.8	Y PTM	1569.503	Loc. Method
Prov. Code	CAY CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	INDANG E.S.				
Mun. Code	IND INDANG	Year	1990	Pop	39,294
City Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
61.0	50	SS	0.00	0.0					
Comp Date	/ /	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	44.20	MSL	-44.20				

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Described by	
Depth to Underside of Layer (m)	Code	Brief Description of Penetrated Strata			Perm. Class
15.2	C	CLAY			
24.4	S	SAND			
42.7	A	HARD ADOBE ROCK			
48.8	C	STICKY CLAY			
61.0	SS	SANDSTONE			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec <sup>10</sup> -3)	
Total Spec. Drawd. (m)		Aquifer Loss Conf. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec <sup>10</sup> -3)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10-3)	
Sp. Cap. End Test (l/s/m)		Leakage (x-1*10-10)	
Well Potential		Trans. (m <sup>2</sup> /sec <sup>10</sup> -3)	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	MZS
Temp °C	Mn++	Cu++	CO3-	CR4
Turbidity	Fe++	HCO3-	PO4m	O2
Alkalinity	Na+	SO4-	F-	B
T. Hardness	X+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P)			M.P. ab. Ground		Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0089

176020

**SCREEN 1: LOCATION**

PCUB No	31621-0089	Source	WFRB	Local No	176020
Other No	Basin				
Longitude	120°46'49" X PM	61.4	X PM	476.282	Basin Area
Latitude	14°10'35" Y PM	21.5	Y PM	1567.697	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	KALUANGAN	BPM			
Mun. Code	MAG MAGALLANES	Year	1990	Pop	12,556
Bgy. Code		Pop	0		

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing φ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
36.6								
Comp Date	01/19/61	Level		Own'p	Type	Use		
Operating?		Lift. Device		Gravel Pack φ (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	21.34	MSL			-21.34	

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
1.8				
6.1				
20.7				
22.8				
24.0				
32.0				
33.5				
36.5				
Brief Description of Penetrated Strata: BROWN CLAY BROWN STICKY CLAY YELLOW STICKY CLAY BROWN STICKY CLAY ADOBE ROCK BROWN SANDY CLAY COARSE SAND HARD ADOBE ROCK				

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. x69w (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	/ /	By	Drawn.	Recov.
Duration (min)	0		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32		OBSERVATION WELL NO.	
Total Drawdown (m)	1.52		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.2		Leakage (s-1*10 <sup>-10</sup> )	
Well Potential			Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	ISS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. μS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE

31621-0517

17164

**SCREEN 1: LOCATION**

PGDB No	31621-0517	Source	MWRB	Local No	17164	
Other No						
Longitude	120°46'14" X MM	44.2	X PTM	475.233	Basin Area	
Latitude	14°11'20" Y MM	49.2	Y PTM	1569.081	Loc. Method	ALB
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Add/Owner	PACHECO	BPW				
Mun. Code	MAG MAGALLANES	Year	1990	Pop	12,556	
Reg. Code		Pop	0			

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf (mm)	Top (m)	Bot (m)
56.4	102	UM	0.00	0.0				
Comp Date		09/20/57	Level		Own'p	Type	Use	
Operating?		Lift. Device	Gravel Pack (mm)		-			
M.P. ab. Ground (m)		Static WL (mbmp)		44.21	MSL	-44.21		

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by	DR
Depth to Underside of Layer (m)	Form.	F. Area	Logs
Code	Brief Description of Penetrated Strata		Perm. Class
2.4		BROWN SANDY CLAY	
17.7		YELLOW CLAY	
19.8		STICKY CLAY	
21.0		HARD STONE	
26.8		STICKY CLAY	
30.5		ADOBE	
44.2		BROWN CLAY	
47.2		ADOBE STONE	
50.9		SANDY CLAY	
54.6		YELLOW STICKY CLAY	
56.4		SANDSTONE	

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>3</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	/ /	By		Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)	0.63	OBSERVATION WELL NO.			
Total Drawdown (m)	1.54	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s <sup>-1</sup> *10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NR4+	NO3-	CO2
Cond. µS/cm	Mg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	COJ-	CN4
Turbidity	Fe++	HCO3-	PO4m	O2
Alkalinity	Na+	SO4-	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (H.F)			M.P. ab. Ground		Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

**PHILIPPINE GROUNDWATER DATABASE  
WELL RECORD**

31621-0091

6549

**SCREEN 1: LOCATION**

PGWR No	31621-0091	Source	MWRB	Local No	6549
Other No	Basin				
Longitude	120°45'20" X MM	11.3	X PTM	473.623	Basin Area
Latitude	14°16'00" Y MM	221.4	Y PTM	1577.688	Loc. Method
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Addr/Owner	BUCAL		BFW		
Mun. Code	MAR NAJACONDON		Year	1990	Pop
Agg. Code			Pop	22,814	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
158.5									
Comp Date	12/27/54	Level		Own'p	Type				Use
Operating?	Lift. Device		Gravel Pack (mm)						
M.P. ab. Ground (m)		Static WL (mbag)					MSL		

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
7.3				ADOBE STONE
16.1				HARD ADOBE CLAY
21.3				SAND ROCK
25.0				HARD ADOBE CLAY
35.0				HARD ROCK
44.8				ADOBE STONE
51.8				ADOBE CLAY
70.1				ADOBE STONE
77.7				ADOBE CLAY
100.6				ADOBE STONE
115.8				ADOBE ROCK
123.4				SAND ROCK
137.2				ADOBE STONE
146.9				SAND ROCK
158.5				ADOBE ROCK

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawn. X <sub>60w</sub> (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Coef. -C(sec <sup>2</sup> /m <sup>3</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	1.26	OBSERVATION WELL NO.	
Total Drawdown (m)	3.07	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/CM	Hg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL	

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0167

SCREEN 1: LOCATION

Pub No	31621-0167	Source	BRS	Local No	
Other No		Basin			
Longitude	120°52'40" X NW	259.1	X PTM	486.811	Basin Area
Latitude	14°14'48" Y NW	177.1	Y PTM	1575.465	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	PAMINAM I	DPWR			
Mun. Code	MAR MARAGONDON	Year	1990	Pop	22,814
Bgy. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
67.1	30	SS	0.00	46.7					
Comp Date	/ /	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack (mm)							
M.P. ab. Ground (m)	Static WL (mbgp)	MSL							

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
4.6				
15.2				
25.9				
36.6				
48.8				
67.1				
CLAY BROWN ADOBE GRAY ADOBE HARD ROCK GRAVEL NO DESCRIPTION				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Ltaw (m)		Aquifer Loss Coef. B (sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C (sec <sup>2</sup> /m <sup>5</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawn. Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Discharge (l/s)		OBSERVATION WELL NO.
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )
Sp. Cap. End Test (l/s/m)		Leakage (s <sup>-1</sup> *10 <sup>-10</sup> )
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	Mg <sup>++</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/cm	Mn <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	PO <sub>4</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	F <sup>-</sup>	B
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>		Pb
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)	M.P. ab. Ground	Period. m.					
Date	CW Level BMP (m)	SWL?	CW Level MSL	Date	CW Level BMP (m)	SWL?	CW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0168

SCREEN 1: LOCATION

WDR No	31621-0168	Source	ARS	Local No	
Other No		Basin			
Longitude	120°53'14" X MM	278.3	X PTM	487.829	Basin Area
Latitude	14°13'49" Y MM	140.8	Y PTM	1573.651	Loc. Method
Prov. Code	CAY CAVITE	Gr. Elev	0.00	Accu.	OAL
Addr/Owner	PANTINAN II DPWN				
Mun. Code	MAR MARACONDON	Year	1990	Pop	22,814
Rgy. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
67.0	50	SS	0.00	48.7					

Comp Date	/ /	Level		Dwn'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)		MSL					

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
6.1				
15.2				
22.8				
32.0				
48.8				
67.0				

Code	Brief Description of Penetrated Strata
	CLAY
	BROWN ADOBE
	GRAY ADOBE
	BLACK ADOBE WITH ROCK
	SANDSTONE
	NO DESCRIPTION

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Elev (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Coef. C(sec <sup>2</sup> /m <sup>3</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawdn. Recov.	
Duration (min)				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)				Leakage (m <sup>2</sup> /sec*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	Mg++	Zn++	NO2-	N2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SI02	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. n.	
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	Cl (ppm)	Date	Cl (ppm)	Date	Cl (ppm)	Date	Cl (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0522

SCREEN 1: LOCATION

PNB No	31621-0522	Source	RRS		Local No	
Other No		Basin				
Longitude	120°49'50" X MM	173.3	X PTM	481.709	Basin Area	
Latitude	14°10'43" Y MM	26.4	Y PTM	1567.939	Loc. Method	ALB
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	PULO MI SARA		BWP			
Mun. Code	MAR MARAGONDON		Year	1990	Pop	22,814
Egy. Code					Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
79.2	102	UM	0.00	61.0					

Comp Date	/ /	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	25.91	MSL				-25.91	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by	DR

Depth to Underdrain of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
4.6				
12.2				
24.4				
39.6				
51.9				
64.0				
73.2				
79.2				

Code	Brief Description of Penetrated Strata
	BUCA
	BROWN ADOBE
	YASYASIN
	BLACK ADOBE
	RED ADOBE
	GRAVEL
	BLACK HARD STONE
	ADOBE GRAY

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. $\Sigma$ ssw (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const.-C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawn. Recov.	
Duration (min)				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)				Leakage (x-1*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. $\mu$ S/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BHP (m)	SWL?	GW Level NSL	Date	GW Level BHP (m)	SWL?	GW Level NSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0102

31621-0102

C-3

SCREEN 1: LOCATION

PQDB No	31621-0102	Source	MARB/NIA	Local No	C-3
Other No	Basin				
Longitude	120°47'52	X MM	96.9	X PTM	478.182
Latitude	14°17'40	Y MM	282.9	Y PTM	1580.756
Basin Area					
Loc. Method	OLG				
Prov. Code	CAV CAVITE		Cr. Elev	40.79	Accu.
Addr/Owner	BALANG		NIA		
Mun. Code	NAI NAIC		Year	1990	Pop
Pop	51,629				
Rgy. Code			Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
100.0	200	UM	0.00	59.5	UM	UP		11.5	56.5
Comp Date	11/23/75	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	12.50	MSL	28.29				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area
Code	Logs	PE SP RS
14.0		
55.0		
61.0		
75.0		
100.0		
Brief Description of Penetrated Strata		
CLAY, SANDY, F. GRAVEL, SILTY, TUFFAC. TUFF, LAPILLI, PUMICEOUS, SOME CLAY SAND, V.FINE TO FINE GRAVEL, SILTY TUFF, CLAY, LITTLE SAND, TUFFACEOUS VOLCANIC TUFF, SOME FINE-MED. GRAIN SAND		
Perm. Class		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. $\Sigma$ sw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	11/21/75	By	Drawdn.	Recov.
Duration (min)	1440	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	0.09	0.05
Discharge (l/s)	3.60	OBSERVATION WELL NO.		
Total Drawdown (m)	8.29	Storage (*10 <sup>-3</sup> )		
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s-1*10 <sup>-10</sup> )		
Well Potential	POOR	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	11/21/75	pH	8.12	TDS	350.00	TSS	ODOR
Color		Ca++	40.9	NH4+		NO3-	CO2
Cond. $\mu$ S/CM	512	Mg++	18.7	Zn++		NO2-	H2S
Temp °C		Na++		Cu++		CO3=	CH4
Turbidity		Fe++		HCO3-	283	PO4=	O2
Alkalinity		Na+	23.9	SO4=	22.57	F-	B
T. Hardness		K+	10.2	Cl-	13	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)	M.P. ab. Ground	0.00	Period. m.	No
Date	GW Level BMP (m)	SWL?	GW Level HSL	Date
09/06/82	11.05	No	29.74	
10/20/82	10.48	No	30.31	
11/17/82	11.70	No	29.09	
12/15/82	11.79	No	29.00	
01/17/83	11.92	No	28.87	

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0109

C-1

SCREEN 1: LOCATION

FLDS No	31621-0109	Source	MMRB/WIA	Local No	C-1
Other No	Basin				
Longitude	120°47'12" X NM	74.4	X PTM	476.986	Basin Area
Latitude	14°19'09" Y NM	337.6	Y PTM	1583.492	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	23.66	Accu.	UM
Addr/Owner	WIA SABANG				
Mun. Code	MAI MAIG	Year	1990	Pop	31,629
Bgy. Code				Pop	0

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Total Spec. Drawd. Elev (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )			
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )			

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	09/23/75	By		Drawdn.	Recov.
Duration (min)	1080	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		0.12	0.15
Discharge (l/s)	10.22	OBSERVATION WELL NO.			
Total Drawdown (m)	11.21	Storage (%10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.9	Leakage (-1*10 <sup>-10</sup> )			
Well Potential	POOR	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
50.0	510	310	UM	0.00	48.0	UM	0.0	47.0
125.0	380	200	UM	48.0	122.0	UM	53.0	62.0
200.0	310					UM	86.0	95.0
						UM	116.0	122.0
Comp Date	09/22/75	Level		Own'p		Type		Use
Operating?		Lift. Device		Gravel Pack (mm)				
H.P. ab. Ground (m)	1.00	Static WL (mbg)		11.09	MSL			13.57

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	09/22/75	pH	8.00	TDS	440.00	TSS		ODOR	
Color		Ca <sup>++</sup>	30.1	MH <sup>4+</sup>		NO <sub>3</sub> <sup>-</sup>		CO <sub>2</sub>	
Cond. µS/cm	457	Mg <sup>++</sup>	13.9	Zn <sup>++</sup>		NO <sub>2</sub> <sup>-</sup>		H <sub>2</sub> S	
Temp °C		Mn <sup>++</sup>		Cu <sup>++</sup>		CO <sub>3</sub> <sup>=</sup>		CR <sub>4</sub>	
Turbidity		Fe <sup>++</sup>		HCO <sub>3</sub> <sup>-</sup>	259	PO <sub>4</sub> <sup>=</sup>		O <sub>2</sub>	
Alkalinity		Na <sup>+</sup>	29.9	SO <sub>4</sub> <sup>=</sup>	11.05	F <sup>-</sup>		B	
T. Hardness		K <sup>+</sup>	14.1	CL <sup>-</sup>	14	SiO <sub>2</sub>		PH	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by			
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	PE SP RS	Perm. Class
Code	Brief Description of Penetrated Strata				Perm. Class
5.0					
10.0					
13.0					
15.0					
17.0					
31.0					
40.0					
45.0					
53.0					
55.0					
59.0					
65.0					
68.0					
70.0					
80.0					
84.0					
86.0					
92.0					
117.0					
128.0					
134.0					
142.0					
145.0					
154.0					
183.0					
193.0					
200.0					

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)		H.P. ab. Ground		0.00	Period. m.	No	
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL
05/11/76	10.59	No	13.07	02/22/78	10.69	No	12.97
05/20/76	10.50	No	13.16	03/13/78	10.78	No	12.88
06/05/76	9.97	No	13.69	04/18/78	10.92	No	12.74
07/20/76	10.35	No	13.31	05/26/78	11.05	No	12.61
08/05/76	10.25	No	13.41	06/25/78	10.95	No	12.71
08/25/76	10.35	No	13.31	07/25/78	10.90	No	12.76
09/05/76	10.20	No	13.46	10/20/78	10.48	No	13.18
11/12/76	10.10	No	13.56	11/24/78	10.37	No	13.29
12/12/76	10.17	No	13.49	12/22/78	10.40	No	13.26
01/12/77	10.09	No	13.57	01/25/79	10.45	No	13.21
02/24/77	10.25	No	13.41	02/23/79	10.48	No	13.18
03/29/77	10.45	No	13.21	03/25/79	10.62	No	13.04
04/24/77	10.67	No	12.99	04/25/79	10.75	No	12.91
05/25/77	10.80	No	12.86	05/25/79	10.75	No	12.91
06/25/77	10.92	No	12.74	06/25/79	10.65	No	13.01
07/25/77	10.87	No	12.79	07/20/79	10.60	No	13.06
09/15/77	10.61	No	13.05	08/25/79	10.36	No	13.30

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0108

16026

**SCREEN 1: LOCATION**

PCDR No	31621-0108	Source	MWB	Local No	16026	
Other No	Basin					
Longitude	120°45'16" X NY	9.0	X PTN	473.506	Basin Area	
Latitude	14°17'34" Y NY	279.2	Y PTN	1580.576	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	MIZON	BPN				
Man. Code	NAI NAIC	Year	1990	Pop	51,629	
Bgy. Code		Pop	0			

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
131.1									
Comp Date	03/02/57	Level		Ovs'p	Type		Use		
Operating?		Lift. Device	Gravel Pack $\phi$ (mm)						
M.P. ab. Ground (m)		Static WL (mbmp)	9.14	HSL	-9.14				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
9.1				
24.3				
54.8				
131.1				
Code		Brief Description of Penetrated Strata		
		GRAVEL AND SAND YELLOW SANDY CLAY SAND ROCK BLACK ADOBE		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. ( $m^2/sec \cdot 10^{-3}$ )	
Total Spec. Drawd. $\Sigma$ aw (m)		Aquifer Loss Coef. B ( $sec/m^2$ )	
Specific Capacity (l/s/m)		Well Loss Const. -C ( $sec^2/m^3$ )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)		Trans. ( $m^2/sec \cdot 10^{-3}$ )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage ( $\cdot 10^{-3}$ )	
Sp. Cap. End Test (l/s/m)		Leakage ( $\cdot 1 \cdot 10^{-10}$ )	
Well Potential		Trans. ( $m^2/sec \cdot 10^{-3}$ )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. $\mu S/cm$	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	H2S
Temp °C	Na <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>=</sup>	CH4
Turbidity	Fe <sup>++</sup>	HCO3 <sup>-</sup>	PO4 <sup>=</sup>	O2
Alkalinity	Na <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	X <sup>+</sup>	Cl <sup>-</sup>	SI02	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period, m.			
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31021-0110

5567

**SCREEN 1: LOCATION**

FLDB No	31621-0110	Source	MWRB	Local No	5567
Other No	Basin				
Longitude	120°45'24 X MN	13.5 X PTH	473.750	Basin Area	
Latitude	14°19'18 Y MN	343.2 Y PTH	1503.772	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Addr/Owner	POBLACION		BPW		
Mun. Code	MAI MAIC	Year	1990	Pop	51,629
Reg. Code		Pop	0		

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
167.8								
Comp Date	11/17/52	Level	Own'p	Type	Use			
Operating?	Lift. Device	Gravel Pack $\phi$ (mm)						
M.P. ab. Ground (m)	Static WL (mbmp)	3.04	MSL	-3.04				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by			
Depth to Under side of Layer (mbg)	Form.	F. Area	Logs	Perm. Class	
Code	Brief Description of Penetrated Strata				
4.5		BROWN CLAY			
15.2		SANDSTONE			
32.0		YELLOW STICKY CLAY			
51.8		BLUE STICKY CLAY			
53.3		SAND AND FINE STONE			
57.9		BLUE SANDY CLAY			
94.5		SAND ROCK			
115.8		ADOBE CLAY			
121.9		BLUE SANDY CLAY			
133.2		YELLOW SANDY CLAY			
146.3		BLUE SANDY CLAY			
157.0		SANDY CLAY			
161.5		SANDSTONE			
167.6		SAND AND GRAVEL			

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Elev (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Hg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM NO. 100-100

31621-0113

16024

**SCREEN 1: LOCATION**

PCDB No	31621-0113	Source	MWRB/NIA	Local No	16024		
Other No	Basin						
Longitude	120°46'24	X MM	47.3	X PTM	475.546	Basin Area	
Latitude	14°18'32	Y MM	314.9	Y PTM	1582.357	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Add/Owner	SAM ROQUE		BEW				
Man. Code	MAI MAIG		Year	1990	Pop	51,629	
Reg. Code					Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
90.8									
Comp Date	06/01/57	Level		Own'p		Type			Use
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbgp)		HSL					

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
5.5				
24.4				
35.4				
46.3				
56.1				
78.9				
90.8				
Brief Description of Penetrated Strata				
CLAY				
ROCK				
CLAY				
ADOBE				
SAND ROCK				
ADOBE				
SANDY CLAY				

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.94	OBSERVATION WELL NO.	
Total Drawdown (m)	1.54	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.6	Leakage (s <sup>-1</sup> *10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	06/26/75	pH	7.40	TDS	330.00	TSS		ODOR	
Color		Ca <sup>++</sup>	18.8	MN <sup>4+</sup>		NO <sub>3</sub> <sup>-</sup>		CO <sub>2</sub>	
Cond. µS/cm	406	Mg <sup>++</sup>	13.4	Zn <sup>++</sup>		NO <sub>2</sub> <sup>-</sup>		H <sub>2</sub> S	
Temp °C	35.4	Mn <sup>++</sup>		Cu <sup>++</sup>		CO <sub>3</sub> <sup>+</sup>		CH <sub>4</sub>	
Turbidity		Fe <sup>++</sup>		HCO <sub>3</sub> <sup>-</sup>	224	PO <sub>4</sub> <sup>m</sup>		O <sub>2</sub>	
Alkalinity		Na <sup>+</sup>	33.3	SO <sub>4</sub> <sup>m</sup>	12.01	F <sup>-</sup>		B	
T. Hardness		K <sup>+</sup>	10.2	Cl <sup>-</sup>	14	SiO <sub>2</sub>		Pb	

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. m.		
Date	CW Level BMP (m)	SWL?	CW Level MSL	Date	CW Level BMP (m)	SWL?	CW Level MSL	

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM 100 (REV. 1988)

31621-0171

**SCREEN 1: LOCATION**

FCDB No	31621-0171	Source	ARS	Local No		
Other No		Basin				
Longitude	120°48'20" X MM	112.7	X PTM	479.020	Basin Area	
Latitude	14°17'00" Y MM	258.3	Y PTM	1579.326	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	PALANGUE		DPM			
Mun. Code	NAI NAIC	Year	1990	Pop	31,629	
Rgy. Code		Pop			0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Parf	Slot (mm)	Top (mbg)	Bot (mbg)
67.0	50	SS	6.00	48.7					
Comp Date	/ /	Level		Own'p	Type				Use
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)		MSL					

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
	Code	Brief Description of Penetrated Strata		
3.0		CLAY		
15.2		YELLOW BUGA ?		
30.5		LIGHT GRAY ADOBE		
36.6		GRAY ADOBE		
42.7		MUDDY SOIL		
48.8		BUGA ?		
67.1		NO DESCRIPTION		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. $\Sigma$ ssw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawn. Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Discharge (l/s)		OBSERVATION WELL NO.
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )
Sp. Cap. End Test (l/s/m)		Leakage (a*10 <sup>-10</sup> )
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )

**SCREEN 6: WATER QUALITY ANALYSIS (PPH or mg/l)**

Temp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MH4+	NO3-	CO2
Cond. $\mu$ S/cm	Mg++	Zn++	NO2-	N2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	NO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	M.P. ab. Ground	Period. m.						
Date	CW Level BMP (m)	SWL?	Date	CW Level MSL	Date	CW Level BMP (m)	SWL?	CW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0172

**SCREEN 1: LOCATION**

PCDB No	31621-0172	Source	BIS	Local No	
Other No		Basin			
Longitude	120°46'50	X MN	62.0	X PTM	476.322
Latitude	14°16'52	Y MN	253.4	Y PTM	1579.283
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	MALAIWEN BAGO	DPWE			
Mun. Code	MAI MAIC	Year	1990	Pop	51,629
Egy. Code		Pop			0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
61.0	50	UN	0.00	36.6					
Comp Date	/ /	Level		Ow'p	Type	Use			
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	11.58	MSL					-11.58

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	Perm. Class
15.2				
27.4				
45.7				
60.9				
CLAY BUCA GRAVEL ADOBE				

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps	Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. 240w (m)		Aquifer Loss Conf. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawda.	Recor.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	N <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BHP (m)	SWL?	GW Level MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0173

**SCREEN 1: LOCATION**

PGDN No	31621-0173	Source	BRS	Local No		
Other No		Basin				
Longitude	120°47'27" X MM	82.8	X PTM	477.430	Basin Area	
Latitude	14°16'18" Y MM	232.5	Y PTH	1578.237	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	MALAINEN LUMA A	DPWM				
Mun. Code	MAI RAIG	Year	1990	Pop	51,629	
Bgy. Code		Pop			0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
54.9	50	UM	0.00	30.5					
Comp Date	/ /	Level		Own'p	Type		Use		
Operating		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbop)	9.14	MSL					-9.14

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
Code	Brief Description of Penetrated Strata			
3.0				
9.1			CLAY	
18.3			BROWN ADOBE	
30.5			GRAY ADOBE	
54.9			GRAVEL	
			NO DESCRIPTION	

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Draw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (a-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPH or mg/l)**

Temp 'C	pH	TDS	TSS	ODOR
	Ca++	MN4+	NO3-	CO2
	Mg++	Zn++	NO2-	H2S
	Hs++	Cu++	CO3-	CH4
	Fe++	HCO3-	PO4w	O2
	Na+	SO4-	F-	B
	K+	Cl-	SI02	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (H.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BHP (m)	SWL1	GW Level MSL	Date	GW Level BHP (m)	SWL1	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0176

SCREEN 1: LOCATION

PCDB No	31621-0176	Source	BRS	Local No	
Other No		Basin			
Longitude	120°46'08" X MM	38.3	X PTM	475.068	Basin Area
Latitude	14°19'23" Y MM	346.2	Y PTM	1583.924	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	IBAYO	DPWM			
Mun. Code	MAI MAIC	Year	1990	Pop	51,629
Rgy. Code		Pop			0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
48.8	50	UN	0.00	18.3					
Comp Date	/ /	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
H.P. ab. Ground (m)		Static WL (mbmp)	2.44	MSL			-2.44		

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
10.7				
18.3				
36.6				
48.8				
Brief Description of Penetrated Strata				
CLAY				
BLACK SAND				
ADOBE				
POROUS ROCK				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Total Spec. Drawdown (m)		Aquifer Loss Coef. B (sec/m <sup>2</sup> )			
Specific Capacity (l/s/m)		Well Loss Const. -C (sec <sup>2</sup> /m <sup>5</sup> )			

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Discharge (l/s)		OBSERVATION WELL NO.			
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)		Leakage (s <sup>-1</sup> *10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>-</sup>	CR <sub>6</sub>
Turbidity	Fe <sup>++</sup>	NO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>m</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>m</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)	H.P. ab. Ground		Period. m.				
Date	CW Level BHP (m)	SWL	CW Level MSL	Date	CW Level BHP (m)	SWL	CW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

Date: \_\_\_\_\_

31621-0127

SCREEN 1: LOCATION

PCDP No	31621-0127	Source	MARLB	Local No	
Other No		Basin			
Longitude	120°59'40" X NY 495.7	X PTM	499.400	Basin Area	
Latitude	14°13'00" Y NY 110.7	Y PTM	1572.142	Loc. Method	OAL
Prov. Code	CAY CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	MUNTING ILOG	BPW			
Mun. Code	SIL SILANG	Year	1990	Pop	93,790
Bgy. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
91.4	150	UN	0.00	91.4	UN UN		54.9 85.3	79.2 91.4
Comp Date	/ /	Level		Own'p	Type	Use		
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)				
M.P. ab. Ground (m)		Static WL (mbg)		MSL				

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
4.7		BROWN CLAY			
21.0		SANDSTONE			
30.4		FINE SAND			
36.8		BROWN CLAY			
42.6		FINE SAND			
45.7		BROWN CLAY			
73.1		GRAVEL			
80.0		BROWN CLAY			
81.7		BROWN ADOBE			
91.4		SANDSTONE			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. Elev (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Coef. C(sec <sup>2</sup> /m <sup>3</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (%10-3)	
Sp. Cap. End Test (l/s/m)		Leakage (-1*10-10)	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	N <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CM <sub>6</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	S <sub>102</sub>	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)		H.P. ab. Ground		Period, m.			
Date	CW Level BHP (m)	SWL?	CW Level HSL	Date	CW Level BHP (m)	SWL?	CW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0134

SCREEN 1: LOCATION

NGDB No	31621-0134	Source	NWRB	Local No	
Other No		Basin			
Longitude	120°59'04" X MM	475.5	X PTM	498.321	Basin Area
Latitude	14°11'41" Y MM	62.1	Y PTM	1569.715	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	PULONG SACING				
Mun. Code	SIL SILANG	Year	1990	Pop	93,790
Reg. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
91.4	150 100	UN UN	0.00 61.0	61.0 79.3	UN UN	UN UN		30.5 42.7 73.2	33.5 45.7 79.3
Comp Date	/ /	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack (mm)							
M.P. ab. Ground (m)		Static WL (mbmp)	30.48	MSL	-30.48				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
6.3	Code	Brief Description of Penetrated Strata		
30.4		TOP SOIL		
34.7		BROWN CLAY		
40.4		SANDY CLAY		
46.0		BROWN CLAY		
61.6		SANDY CLAY		
80.1		BROWN STICKY CLAY		
91.4		SANDY CLAY		
		BROWN CLAY		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. H <sub>10w</sub> (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date / /	By	Drawdn.	Recov.
Duration (min)	8640	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	1.26	OBSERVATION WELL NO.	
Total Drawdown (m)	3.66	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.3	Leakage (*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/CM	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. m.		
Date	GW Level BHP (m)	SWLT	GW Level HSL	Date	GW Level BHP (m)	SWLT	GW Level HSL	

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0123

19

SCREEN 1: LOCATION

PCDB No	31621-0123		Source	NWRB		Local No	19	
Other No								
Longitude	120°57'00	X NM	405.6	X PTM	494.603	Basin Area		
Latitude	14°10'41	Y NM	25.2	Y PTM	1567.871	Loc. Method	DAL	
Prov. Code	CAV CAVITE		Gr. Elev	90.00		Accu.	UM	
Addr/Owner	LALAAN							
Mun. Code	SIL SILANG		Year	1990		Pop	93,790	
Reg. Code			Pop	0				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By		No Steps / Duration (min)	
Q Max (l/s)			Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Elev (m)			Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)			Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
90.0									
Comp Date	/ /	Level	Dev't	Type	Use				
Operating?	Lift. Device	Gravel Pack (mm)							
M.P. ab. Ground (m)	Static WL (m)	60.98	HSL	29.02					

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date / /	By	Drawdn.	Recov.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.31	OBSERVATION WELL NO.	
Total Drawdown (m)	3.66	Storage (*10 <sup>-3</sup> )	
Sp. Cap. Mod Test (l/s/m)	0.0	Leakage (m*10 <sup>-10</sup> )	
Well Potential	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	DOOR
Color	Ca++	MN4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by
Form.	F. Area	Logs
Depth to Underside of Layer (m)	Code	Brief Description of Penetrated Strata
15.0		YELLOW CLAY, ADOBE STONE,
30.0		ADOBE STONE
45.0		SAND ROCK, ADOBE STONE
60.0		BLUE SANDY CLAY
75.0		SAND ROCK
90.0		BLUE SANDY CLAY, SANDSTONE

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			H.P. ab. Ground			Period. m.	
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0179

SCREEN 1: LOCATION

PGDS No	31621-0179			Source	BRS			Local No	
Other No				Basin					
Longitude	120°58'45	X NM	464.8	X PTM	497.751	Basin Area			
Latitude	14°10'12	Y NM	7.4	Y PTM	1566.980	Loc. Method	OAL		
Prov. Code	CAV CAVITE			Gr. Elev	0.00	Accu.			
Addr/Owner	SITIO WIOGAN, BALITE II			DPWM					
Mun. Code	SIL SILANG			Year	1990	Pop	93,790		
Rgy. Code				Pop	0				

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
76.2	100	UM	0.00	54.9					
Comp Date	/ /	Level	Own'p	Type	Use				
Operating	Lift. Device	Gravel Pack $\phi$ (mm)							
H.P. ab. Ground (m)	Static WL (mbmp)		21.32	MSL	-21.32				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by	
Form.	F. Area	Logs	
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata	Perm. Class
6.1		BROWN CLAY	
10.7		BUNGA ?	
21.3		GRAY ADOBE	
32.0		ROCK	
42.7		HARD ROCK	
54.9		GRAVEL	
76.2		NO DESCRIPTION	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)	Transmissiv. ( $m^2/sec \cdot 10^{-3}$ )		
Total Spec. Drawd. $X_{6w}$ (m)	Aquifer Loss Coef. B ( $sec/m^2$ )		
Specific Capacity (l/s/m)	Well Loss Const. -C ( $sec^2/m^5$ )		

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawdn.	Recov.
Duration (min)	Trans. ( $m^2/sec \cdot 10^{-3}$ )		
Discharge (l/s)	OBSERVATION WELL NO.		
Total Drawdown (m)	Storage ( $\cdot 10^{-3}$ )		
Sp. Cap. End Test (l/s/m)	Leakage ( $\cdot 10^{-10}$ )		
Well Potential	Trans. ( $m^2/sec \cdot 10^{-3}$ )		

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. $\mu S/cm$	Mg++	Zn++	NO2-	N2S
Temp °C	Na++	Cu++	CO3=	CH4
Turbidity	Fe++	HC03-	PO4w	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SI02	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)	M.P. ab. Ground		Period. m.				
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

No. 11 1/2 1/2

31621-0137

ILBDP16

**SCREEN 1: LOCATION**

PCDB No	31621-0137	Source	WRB	Local No	ILBDP16
Other No	Basin				
Longitude	120°51'30" X MH	219.7	X PTN	484.718	Basin Area
Latitude	14°19'47" Y MH	361.0	Y PTN	1584.654	Loc. Method
Prov. Code	CAV CAVITE		Cr. Elev	0.00	Accu.
Addr/Owner	PARADAMAN				
Mun. Code	TAM TANZA		Year	1990	Pop
Rgy. Code			Pop	61,785	
			Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
187.0	244	UM	0.00	48.0	UM			48.0	57.0
	152	UM	48.0	182.0	UM			80.0	91.0
					UM			93.0	96.0
					UM			124.0	134.0
					UM			139.0	148.0
					UM			153.0	156.0
					UM			164.0	182.0

Comp Date	06/17/82	Level		Ovn'p		Type		Use	
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static ML (mbmp)	13.14	MSL					-13.14

**SCREEN 3: STRATA LOG DATA**

Driller	Form.	F. Area	Logs	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata		Perm. Class
2.0		TOP SOIL (CLAYEY)		
6.0		TUFF		
31.0		SANDY TUFF		
32.0		MUDICE		
49.0		SANDY TUFF		
76.0		TUFF		
79.0		TUFACEOUS CLAY		
80.0		TUFF		
81.0		TUFACEOUS CLAY		
194.7		SAND TUFF		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Esaw (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)		Well Loss Coef. C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	/ /	By		Drawdn.	Recov.
Duration (min)	1440	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		3.26	
Discharge (l/s)		OBSERVATION WELL NO.			
Total Drawdown (m)	5.89	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.0	Leakage (e-1*10 <sup>-10</sup> )			
Well Potential	MEDIUM	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MN <sup>4+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. n.			
Date	GW Level BHP (m)	SWL	GW Level MSL	Date	GW Level BHP (m)	SWL	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0181

**SCREEN 1: LOCATION**

PCUB No	31621-0181	Source	BRS	Local No		
Other No		Basin				
Longitude	120°53'35" X NY	290.1	X PTM	488.463	Basin Area	
Latitude	14°19'31" Y NY	351.2	Y PTM	1584.160	Loc. Method	DAL
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	JULUGAN	DPWM				
Mun. Code	TAN TANZA	Year	1990	Pop	61,785	
Pgy. Code				Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
33.5	50	UN	0.00	18.3					
Comp Date	/ /	Level		Ouv'p	Type		Use		
Operating	Lift. Device		Gravel Pack $\phi$ (mm)						
M.P. ab. Ground (m)		Static WL (mbmp)	0.91	HSL	-0.91				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
Code	Brief Description of Penetrated Strata			
3.0		SAND		
11.5		SANDY CLAY		
18.3		SANDSTONE		
22.9		BROWN ADOBE		
33.5		RED ADOBE		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. $E_{ssw}$ (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date		By		Drawdn.	Recov.
Duration (min)				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)				Leakage (s <sup>-1</sup> *10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MN <sup>4+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Hg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>s</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0142

316228

**SCREEN 1: LOCATION**

PGDB No	31621-0142	Source	MWRB/LWUA	Local No	316228		
Other No	Basin						
Longitude	120°54'20	X NY	315.5	X PTM	489.811	Basin Area	
Latitude	14°18'31	Y NY	314.3	Y PTM	1582.316	Loc. Method	O&L
Prov. Code	CAV CAVITE		Gr. Elev	80.00	Accu.	UN	
Add/Owner	BUENAVISTA		BFW				
Mun. Code	TRE TRECE MARTIRES CITY		Year	1990	Pop	15,686	
Egy. Code						Pop	0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf (mm)	Slot (mm)	Top (mbg)	Bot (mbg)
182.9	150	UN	0.00	88.4					
	112	UN	0.0	132.6					

Comp Date	08/15/55	Level		Owa'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	23.00	MSL					57.00

**SCREEN 3: STRATA LOG DATA**

Driller	Form.	F. Area	Logs	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
7.6		YELLOW CLAY			
18.2		ADOBE CLAY			
38.1		CLAY WITH GRAVEL			
45.7		CLAY WITH GRAVEL AND ADOBE STONE			
57.9		ADOBE STONE			
70.1		SANDSTONE			
83.8		ADOBE CLAY			
97.5		YELLOW CLAY			
149.3		YELLOW CLAY WITH GRAVEL			
161.5		YELLOW CLAY			
172.2		SANDY CLAY AND STICKY CLAY			
179.8		STICKY CLAY AND ADOBE ROCK			
182.8		ADOBE ROCK			

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. xssw (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	/ /	By		Drawdn.	Recov.
Duration (min)		2020		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		1.58		OBSERVATION WELL NO.	
Total Drawdown (m)		3.66		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		0.4		Leakage (a-*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	/ /	pH	TDS	TSS	ODOR
Color		Ca++	NH4+	NO3-	CO2
Cond. µS/cm	266	Mg++	Zn++	NO2-	B2S
Temp °C	30.0	Mn++	0.20	CO3-	CH4
Turbidity		Fe++	0.30	HCO3-	O2
Alkalinity		Na+		SO4-	F-
T. Hardness		K+		Cl-	250
					5102
					Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground		Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621 316230

31621-0141

316230

**SCREEN 1: LOCATION**

PWD No	31621-0141	Source	MRR/LWA	Local No	316230
Other No	Basin				
Longitude	120°54'56" X MM	335.7	X PTM	490.889	Basin Area
Latitude	14°16'53" Y MM	254.0	Y PTM	1579.304	Loc. Method
Prov. Code	CAY CAVITE		Gr. Elev	140.00	Accu.
Addr/Owner	BICLAYAN		BPM		
Mun. Code	TRE TRECE MARTIRES CITY		Year	1990	Pop
Pop			Pop	15,686	
Pop			Pop	0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
33.5	63	UN	0.00	30.5	UN			27.4	30.5
Comp Date	08/22/62	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbop)	12.00	MSL	128.00				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by
Depth to Underdrill of Layer (mbg)	Form.	F. Area
	Code	Logs
	Brief Description of Penetrated Strata	
3.0		BROWN CLAY
6.1		STICKY CLAY
12.8		ADOBE ROCK
16.1		STICKY CLAY
20.4		ADOBE CLAY ROCK
29.2		STICKY CLAY
31.7		ADOBE ROCK
33.5		SAND ROCK
		Perm. Class

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawda.	Recov.
Duration (min)	1920	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	2.40	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.1	Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPH or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	266	Mg++	Zn++	NO2-
Temp °C	26.0	Mn++	0.10	CO3=
Turbidity	F++	1.10	HCO3-	PO4=
Alkalinity	Na+		SO4=	F-
T. Hardness	K+		Cl-	650
			SI02	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	M.P. ab. Ground	Period. m.
Date	GW Level MHP (m)	SWL?
	GW Level MSL	Date
	GW Level MHP (m)	SWL?
	GW Level MSL	

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0139

21694

SCREEN 1: LOCATION

FCDB No	31621-0139	Source	MWRB	Local No	21694	
Other No	Basin					
Longitude	120°51'20" X NN	214.1	X PTM	484.415	Basin Area	
Latitude	14°16'40" Y NN	246.0	Y PTM	1578.908	Loc. Method	DAL
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner						
Mun. Code	TRE TRECE MARTIRES CITY		Year	1990	Pop	15,686
Rgy. Code					Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
55.5									
Comp Date	04/24/59	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack (mm)					
N.P. ab. Ground (m)		Static WL (mbmp)	13.41	MSL			-13.41		

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata		Perm. Class
5.4		YELLOW CLAY		
13.1		ADOBE ROCK		
14.0		HARD ADOBE ROCK		
15.8		BLUISE CLAY		
28.3		HARD ADOBE ROCK WITH GRAVEL		
32.6		STICKY CLAY		
40.5		HARD ADOBE ROCK		
46.3		SOFT ADOBE ROCK		
49.7		BLACK CLAY		
55.4		YELLOW STICKY CLAY		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Elev (m)				Aquifer Loss Conf. B (sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C (sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)		0		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		0.50		OBSERVATION WELL NO.	
Total Drawdown (m)		4.17		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		0.1		Leakage (-1*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MN4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	N2S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>=</sup>	CM4
Turbidity	Fe <sup>++</sup>	HCO3 <sup>-</sup>	PO4 <sup>=</sup>	OZ
Alkalinity	Na <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE  
WELL RECORD

31621-0143

176213

**SCREEN 1: LOCATION**

PCDS No	31621-0143	Source	MNRB/LWUA		Local No	176213
Other No	Basin					
Longitude	120°52'30" X NW	253.5	X PTH	486.514	Basin Area	
Latitude	14°17'50" Y NW	289.1	Y PTH	1581.058	Loc. Method	OLC
Prov. Code	CAV CAVITE		Gr. Elev	90.00	Accu.	UN
Addr/Owner	QUINTANA		BPW			
Mun. Code	TRE TRECE MARTIRES CITY		Year	1990	Pop	15,686
Rgy. Code			Pop	0		

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type/Perf	Slot (mm)	Top (m)	Bot (m)
33.5	100	UN	0.00	32.0				
Comp Date		06/30/62	Level		Own'p	Type		Use
Operating?		Lift. Device	Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (m)		13.00	HSL	77.00		

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by	
Form.	F. Area	Logs	
Code	Brief Description of Penetrated Strata		Perm. Class
5.4	BROWN CLAY		
13.4	HARD SANDY ROCK		
18.6	SANDY CLAY		
21.3	STICKY CLAY		
23.7	ADOBE CLAY		
27.4	ADOBE STICKY CLAY		
31.3	SANDY ROCK		
33.5	HARD ROCK		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. Y&aw (m)	Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)	Well Loss Coef. C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date / /	By	Drawn.	Recov.
Duration (min)	240	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	8.00	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.0	Leakage (a <sup>-1</sup> *10 <sup>-10</sup> )	
Well Potential	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	N <sub>2</sub>
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Ni <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	M.P. ab. Ground		Period. m.				
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0020

22074

**SCREEN 1: LOCATION**

PGDB No	31622-0020	Source	MWRB/LMUA	Local No	22074	
Other No	DKX NO. 316226	Basin				
Longitude	120°51'40" X MM	239.2	X PTM	485.004	Basin Area	
Latitude	14°07'47" Y MM	287.2	Y PTM	1562.528	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	455.00	Accu.	MR	
Addr/Owner	MANGAS	SPW				
Mun. Code	ALF ALFONSO	Year	1990	Pop	28,944	
Rgy. Code		Pop			0	

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
53.6	63	UN	0.00	52.4	UN			46.9	52.4

Comp Date	08/09/59	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	38.00	MSL	417.00				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
0.9	C			
6.1	A			
15.2	C			
39.6	A			
42.1	S			
53.6	C s			

Code	Brief Description of Penetrated Strata
C	BROWN CLAY
A	HARD ADOBE ROCK
C	BROWN CLAY
A	HARD ADOBE ROCK
S	COARSE SAND
C s	BROWN SANDY CLAY

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
	Ca++	NH4+	NO3-	CO2
	Mg++	Zn++	NO2-	H2S
	Na++	Cu++	CO3=	CR4
	Fe++	HCO3-	PO4=	O2
	Na+	SO4=	F-	B
	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. n.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL	

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

REF. NO. : 175031

31622-0029

175031

**SCREEN 1: LOCATION**

IGDB No	31622-0029	Source	NWSA/LMUA		Local No	175931
Other No	DKK NO. 316224	Basin				
Longitude	120°49'36" X MM	165.0	X PTM	481.285	Basin Area	
Latitude	14°07'36" Y MM	280.4	Y PTM	1562.192	Loc. Method	OAL
Prov. Code	CAV CAVITE		Cr. Elev	403.00	Accu.	MR
Add/Owner	SIMALIW (BILOG)		RPW			
Mun. Code	ALF ALFONSO		Year	1990	Pop	28,944
Egy. Code			Pop	0		

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
50.0	63	UM	0.00	48.8	UM			43.6	48.8

Comp Date	09/06/99	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack $\phi$ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	32.00	MSL				373.00	

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
1.5	C			BROWN CLAY
16.2	A			ADOBE ROCK
29.6	C s			BROWN SANDY CLAY
35.1	S3			COARSE SAND
39.6	A			ADOBE ROCK
42.1	C s			BROWN SANDY CLAY
44.5	A			ADOBE ROCK
49.4	C s			SANDY CLAY
50.0	C s			ADOBE CLAY

**SCREEN 4: STEP DRAWDOWN PURGING TEST**

Date	By	No Steps / Duration (min)

Q Max (l/s)	Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. $\Sigma$ ssw (m)	Aquifer Loss Const. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)	Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date / /	By	Drawdn.	Recov.

Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	1.52	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.2	Leakage (s-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Sam. Date	pH	TDS	TSS	ODOR

Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. $\mu$ S/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	Na <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	H
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BHP (m)	SWLT	GW Level MSL	Date	GW Level BHP (m)	SWLT	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0032

175936

**SCREEN 1: LOCATION**

PGDB No	31622-0032	Source	MRR/LHUA	Local No	175936
Other No	DUK NO. 31622-5	Basin			
Longitude	120°50'00 X MM	179.4 X PTM	482.004	Basin Area	
Latitude	14°07'00 Y MM	258.3 Y PTM	1561.086	Loc. Method	DAL
Prov. Code	CAY CAVITE		Gr. Elev	450.00	Accu. MK
Add/Owner	SIMALIN NA MUNI		BPM		
Mun. Code	ALF ALFONSO		Year	1990	Pop 28,944
Bgy. Code			Year		Pop 0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
46.6	100	UW	0.00	45.1	UW		42.4	45.1
Comp Date 01/12/60		Level	Owo'p	Type	Use			
Operating?		Lift. Device	Gravel Pack (mm)					
N.P. ab. Ground (m)		Static WL (mbop)		36.57	MSL	413.43		

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
	Code	Brief Description of Penetrated Strata		
1.5	C	BROWN CLAY		
8.5	A	ADORE ROCK		
21.3	C	BROWN STICKY CLAY		
37.8	A	ADORE ROCK		
40.5	S3	COARSE SAND		
45.1	C	BLUE STICKY CLAY		
46.6	C a	BLUE SANDY CLAY		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m <sup>2</sup> /sec <sup>2</sup> 10 <sup>-3</sup> )	
Total Spec. Drawd. 24hr (m)	Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)	Well Loss Coef. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawn	Recov.
Duration (min)	1920	Trans. (m <sup>2</sup> /sec <sup>2</sup> 10 <sup>-3</sup> )	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	0.91	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.3	Leakage (a-1*10 <sup>-10</sup> )	
Well Potential	Trans. (m <sup>2</sup> /sec <sup>2</sup> 10 <sup>-3</sup> )		

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Samp. Date	pH	IDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	N2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	NO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (N.P)		M.P. ab. Ground		Period. m.			
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0004

50005

SCREEN 1: LOCATION

PCDB No	31622-0004	Source	MMRB/NIA	Local No	50005
Other No		Basin			
Longitude	120°52'30 X MM	269.1	X PPM	486.503	Basin Area
Latitude	14°07'05 Y MM	261.4	Y PPM	1561.237	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	500.00	Accu.	MR
Addr/Owner	ESPERANZA I	RPM			
Mun. Code	ALF ALFONSO	Year	1990	Pop	28,944
Rgy. Code		Pop	0		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			
Total Spec. Drawd. H <sub>sdw</sub> (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )			
Specific Capacity (l/s/m)		Well Loss Coef. -C(sec <sup>2</sup> /m <sup>5</sup> )			

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)		0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )		
Discharge (l/s)	0.63	OBSERVATION WELL NO.			
Total Drawdown (m)	1.24	Storage (*10 <sup>-3</sup> )			
Sp. Cap. End Test (l/s/m)	0.5	Leakage (s-1*10 <sup>-10</sup> )			
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )			

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
65.3	102	UN	0.00	0.0					
Comp Date	03/08/98	Level		Own'p	Type	Use			
Operating?		Lift. Device		Gravel Pack (mm)					
H.P. ab. Ground (m)		Static WL (mbop)	40.85	MSL	459.15				

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μS/cm	Mg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class	
Code	Brief Description of Penetrated Strata				
6.1	C	CLAY			
36.6	S	SAND ROCK			
65.6	A	SAND ADOBE			

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P)			M.P. ab. Ground		Period. m.		
Date	GW Level BHP (m)	SWL?	GW Level HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0012

5358

SCREEN 1: LOCATION

PGDB No	31622-0012	Source	MARK/NIA	Local No	5358
Other No	Basin				
Longitude	120°53'12" X MM	294.2	X PTM	487.762	Basin Area
Latitude	14°05'58" Y MM	220.2	Y PTM	1559.177	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	583.00	Accu.	MR
Addr/Owner	LAKSUMIN	SPM			
Mun. Code	ALP ALFONSO	Year	1990	Pop	28,944
Rgy. Code					Pop

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Slot (mm)	Top (m)	Bot (m)
149.4								

Comp Date	01/27/52	Level		Own'p	Type	Use
Operating?		Lift. Device		Gravel Pack (mm)		
M.P. ab. Ground (m)		Static WL (mbmp)		MSL		

SCREEN 3: STRATA LOG DATA

Driller	Form	F. Area	Logs	Drill. Method	Described by	
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata				Perm. Class
1.2	C	CLAY				
5.8	R	ROCK				
10.4	C	CLAY				
13.7	R	ROCK				
26.8	SS	HARD SANDSTONE				
45.7	SS	SOFT SANDSTONE				
73.2	A	SOFT ADOBE STONE				
99.1	SS	SANDSTONE				
103.7	A	LOOSE ADOBE STONE				
121.9	SS	SANDSTONE				
128.0	C	CLAY				
146.0	SS	HARD SANDSTONE				
149.4	C	CLAY				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawd. (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawdn.	Recov.
Duration (min)		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)		Leakage (m*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	/ /	pH	TDS	245.00	TSS	ODOR
Color		Ca++	23.0	NH4+	NO3-	CO2
Cond. µS/cm		Hg++	10.0	Zn++	NO2-	H2S
Temp °C		Mn++		Cu++	CO3=	CH4
Turbidity		Fe++	1.90	HCO3-	PO4=	O2
Alkalinity	140.0	Na+		SO4=	F-	B
T. Hardness		K+		Cl-	12	SiO2
					88.0	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL	

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)



# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE

31622-0013

**SCREEN 1: LOCATION**

PND No	31622-0013	Source	NWRB	Local No	
Other No		Basin			
Longitude	120°49'16	X NM	153.1	X PTM	480.683
Latitude	14°06'20	Y NM	233.7	Y PTM	1559.857
Basin Area		Loc. Method	OAL		
Prov. Code	CAV CAVITE	Gr. Elev	442.00	Accu.	MR
Addr/Owner	KAYTINGGA	BWP			
Mun. Code	ALF ALFONSO	Year	1990	Pop	28,944
Egy. Code		Pop			0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot. (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot. (mbg)
94.5	150	UW	0.00	61.0					
	100	UW	61.0	91.4					

Comp Date	/ /	Level	Own'p	Type	Use
Operating		Lift. Device	Gravel Pack (mm)		
N.P. ab. Ground (m)		Static WL (mbmp)	26.52	MSL	415.48

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
10.7	S c	CLAYEY SAND		
25.9	S1S3	V. F.-CRSE. SAND, POORLY SORTED		
29.0	C	CLAY		
35.1	S1	VERY FINE SAND		
39.6	C	CLAY		
42.7	S c	CLAYEY SAND		
61.4	S3	COARSE SAND, POORLY SORTED		
65.5	S1	FINE SAND		
68.6	S3S1	COARSE WITH FINE SAND		
70.7	S2S1	MEDIUM-FINE SAND		
75.6	S3	VERY COARSE SAND		
79.2	S2S3	MEDIUM-COARSE SAND		
88.4	S3	VERY COARSE SAND		
91.4	S3	COARSE SAND		
94.5	S3	SORTED ANGULAR COARSE SAND		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date		By		Drawda.	Recov.
Duration (min)				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)				Leakage (a-1*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)**

Temp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (M.P.)	N.P. ab. Ground	Period. m.					
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PHILIPPINE GROUNDWATER DATABASE

31622-0035

176213

**SCREEN 1: LOCATION**

PGDB No	31622-0035			Source	M-RB	Local No	176213
Other No	Basin						
Longitude	120°50'37	X MN	201.5	X PTN	483.117	Basin Area	
Latitude	14°09'36	Y MN	354.2	Y PTN	1565.879	Loc. Method	OAL
Prov. Code	CAV CAVITE			Gr. Elev	332.00	Accu.	HR
Addr/Owner	TAYANAK			BFW			
Mun. Code	ALF ALFONSO			Year	1990	Pop	28,944
Reg. Code				Year		Pop	0

**SCREEN 2: WELL CONSTRUCTION DATA**

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
46.6									
Comp Date	03/08/62	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack (mm)					
H.P. ab. Ground (m)		Static WL (mbwp)	18.29	MSL	313.71				

**SCREEN 3: STRATA LOG DATA**

Driller	Drill. Method	Described by		
Depth to Underside of Layer (m)	Form.	F. Area	Logs	Perm. Class
	Code	Brief Description of Penetrated Strata		
4.0	C	CLAY		
13.4	A	ADOBE ROCK		
16.8	R	SANDY ROCK		
20.1	R	HARD ROCK		
27.4	R	SANDY ROCK		
35.7	C	CLAY		
41.2	R	SANDY ROCK		
42.7	A	ADOBE ROCK		
46.7	C	SANDY CLAY		

**SCREEN 4: STEP DRAWDOWN PUMPING TEST**

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )
Total Spec. Drawn. 24hr (m)		Aquifer Loss Coef. B(sec/m <sup>2</sup> )
Specific Capacity (l/s/m)		Well Loss Const. C(sec <sup>2</sup> /m <sup>5</sup> )

**SCREEN 5: CONSTANT DISCHARGE PUMPING TEST**

Date	By	Drawdn.	Recor.
Duration (min)	0	Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	4.57	Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)	0.0	Leakage (-1*10 <sup>-10</sup> )	
Well Potential		Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

**SCREEN 6: WATER QUALITY ANALYSIS (PPH or mg/l)**

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	MH4 <sup>+</sup>	NO3 <sup>-</sup>	CO2
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO2 <sup>-</sup>	H2S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO3 <sup>=</sup>	CH4
Turbidity	Fe <sup>++</sup>	HCO3 <sup>-</sup>	PO4 <sup>=</sup>	O2
Alkalinity	NH <sup>+</sup>	SO4 <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	K <sup>+</sup>	Cl <sup>-</sup>	SiO2	Pb

**SCREEN 7: GROUNDWATER LEVELS HISTORY**

Measuring Pt. (H.P.)	M.P. ab. Ground	Period. m.					
Date	GW Level BMP (m)	SWLT	GW Level MSL	Date	GW Level BMP (m)	SWLT	GW Level MSL

**SCREEN 8: GROUNDWATER DISCHARGE HISTORY**

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

**SCREEN 9: CHLORIDE CONTENT HISTORY**

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0098

16637

SCREEN 1: LOCATION

PGDB No	31622-0098	Source	NIA	Local No	16637
Other No.		Basin			
Longitude	120°50'46	X NY	206.9	X PTH	483.386
Latitude	14°08'34	Y NY	316.1	Y PTH	1563.973
Prov. Code	CAY CAVITE		Gr. Elev	393.00	Accu.
Addr/Owner	POBLACION		MNSS		
Mun. Code	ALF ALFONSO	Year	1990	Pop	28,944
Egy. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
123.5	152 204	UN UN	0.00 0.0	0.0 0.0				
Comp Date	11/28/58	Level		Own'p	Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	17.37	MSL			375.63	

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Described by
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata		
2.7	C	CLAY		
21.7	A	ADOBE		
36.3	A	HARD ADOBE ROCK		
43.0	C	CLAY		
49.4	A	ADOBE		
50.9	C	CLAY		
62.5	SSg	SAND ROCK WITH GRAVEL		
78.7	SS	SAND ROCK		
85.4	C	CLAY		
94.3	R	SOFT STONE		
99.1	SS	COARSE SAND		
123.5	SS	SANDSTONE		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. (m)				Aquifer Loss Coef. B (sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C (sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawdn.	Recov.
Duration (min)				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)				Leakage (a-1*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	06/18/75	pH	7.00	TDS	200.00	TSS		ODOR
Color		Ca <sup>++</sup>	9.8	NH <sub>4</sub> <sup>+</sup>		NO <sub>3</sub> <sup>-</sup>		CO <sub>2</sub>
Cond. µS/cm	260	Mg <sup>++</sup>	9.2	Zn <sup>++</sup>		NO <sub>2</sub> <sup>-</sup>		N <sub>2</sub> S
Temp °C	25.0	Mn <sup>++</sup>		Cu <sup>++</sup>		CO <sub>3</sub> <sup>=</sup>		CH <sub>4</sub>
Turbidity		Fe <sup>++</sup>		HCO <sub>3</sub> <sup>-</sup>	144	PO <sub>4</sub> <sup>=</sup>		O <sub>2</sub>
Alkalinity		Na <sup>+</sup>	13.1	SO <sub>4</sub> <sup>=</sup>	5.28	F <sup>-</sup>		B
T. Hardness		K <sup>+</sup>	6.6	Cl <sup>-</sup>	10	SI0 <sub>2</sub>		Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	CW Level BHP (m)	SWL?	CW Level MSL	Date	CW Level BHP (m)	SWL?	CW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0087

31622-0087

SCREEN 1: LOCATION

PCDB No	31622-0087			Source	MWRB		Local No		
Other No								Basin	
Longitude	120°56'30"	X NM	412.6	X PTM	493.703		Basin Area		
Latitude	14°09'26"	Y NM	348.1	Y PTM	1365.567		Loc. Method	OAL	
Prov. Code	CAV CAVITE			Gr. Elev	490.00		Accu.	HR	
Addr/Owner	MAYMANGA								
Mun. Code	AMA AMADEO		Year	1990		Pop	21,022		
Egy. Code								Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth $\phi$ (mm)	Casing $\phi$ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf (mm)	Top (mbg)	Bot (mbg)
91.4	140	UN	0.00	0.0				
Comp Date	/ /	Level	Ow'n'p	Type	Use			
Operating	Lift. Device	Gravel Pack $\phi$ (mm)						
M.P. ab. Ground (m)	Static WL (mbag)		64.91	MSL	425.99			

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	Perm. Class
3.1	C			
45.7	A			
61.0	A			
91.4	SS			
Brief Description of Penetrated Strata				
BROWN CLAY				
HARD ADOBE STONE				
HARD ADOBE ROCK				
HARD SANDSTONE				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)	Transmissiv. ( $m^2/sec \times 10^{-3}$ )		
Total Spec. Drawd. $X_{50}$ (m)	Aquifer Loss Coef. $B(sec/m^2)$		
Specific Capacity (l/s/m)	Well Loss Const. $-C(sec^2/m^5)$		

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawdn.	Recov.
Duration (min)	Trans. ( $m^2/sec \times 10^{-3}$ )		
Discharge (l/s)	OBSERVATION WELL NO.		
Total Drawdown (m)	Storage ( $\times 10^{-3}$ )		
Sp. Cap. End Test (l/s/m)	Leakage ( $s^{-1} \times 10^{-10}$ )		
Well Potential	Trans. ( $m^2/sec \times 10^{-3}$ )		

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. $\mu S/cm$	Mg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)		M.P. ab. Ground		Period. m.			
Date	GW Level BHP (m)	SWL?	GW Level MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m3/h)	Date	Q (m3/h)	Date	Q (m3/h)	Date	Q (m3/h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)

# PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0089

SCREEN 1: LOCATION

PGDB No	31622-0089	Source	NWRB	Local No	
Other No		Basin			
Longitude	120°36'20" X MH	406.6	X PTH	493.402	Basin Area
Latitude	14°08'17" Y MH	305.7	Y PTH	1563.446	Loc. Method
Prov. Code	CAV CAVITE	Cr. Elev	540.00	Accu.	HR
Addr/Owner	TALON				
Mun. Code	AMA AMADEO	Year	1990	Pop	21,022
Egy. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
94.5	140	UM	0.00	0.0					
Comp Date	/ /	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	60.96	HSL	479.04				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underlie of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
Code	Brief Description of Penetrated Strata			Perm. Class
3.1	C	BROWN CLAY		
29.0	A	HARD ADOBE STONE		
48.8	A	HARD ADOBE ROCK		
57.9	C a	SANDY CLAY		
62.5	A	HARD ADOBE ROCK		
88.4	SS	SANDSTONE		
94.5	SSS3	SANDSTONE WITH COARSE SAND		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Total Spec. Drawd. X <sub>60w</sub> (m)				Aquifer Loss Coef. B(sec/m <sup>2</sup> )	
Specific Capacity (l/s/m)				Well Loss Const. -C(sec <sup>2</sup> /m <sup>5</sup> )	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawdn.	Recov.
Duration (min)				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 <sup>-3</sup> )	
Sp. Cap. End Test (l/s/m)				Leakage (s-1*10 <sup>-10</sup> )	
Well Potential				Trans. (m <sup>2</sup> /sec*10 <sup>-3</sup> )	

SCREEN 6: WATER QUALITY ANALYSIS (PPM or mg/l)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca <sup>++</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	CO <sub>2</sub>
Cond. µS/cm	Mg <sup>++</sup>	Zn <sup>++</sup>	NO <sub>2</sub> <sup>-</sup>	H <sub>2</sub> S
Temp °C	Mn <sup>++</sup>	Cu <sup>++</sup>	CO <sub>3</sub> <sup>=</sup>	CH <sub>4</sub>
Turbidity	Fe <sup>++</sup>	HCO <sub>3</sub> <sup>-</sup>	PO <sub>4</sub> <sup>=</sup>	O <sub>2</sub>
Alkalinity	NH <sup>+</sup>	SO <sub>4</sub> <sup>=</sup>	F <sup>-</sup>	B
T. Hardness	X <sup>+</sup>	Cl <sup>-</sup>	SiO <sub>2</sub>	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)			M.P. ab. Ground			Period. m.		
Date	GW Level BMP (m)	SWL?	GW Level MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL	

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)	Date	Q (m <sup>3</sup> /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)