

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0102

20739

SCREEN 1: LOCATION

PCDN No	31622-0102	Source	MWRB	Local No	20739	
Other No	Basin					
Longitude	120°55'46" X MN	386.3	X PTM	492.383	Basin Area	
Latitude	14°08'58" Y MN	330.9	Y PTM	1564.707	Loc. Method	OAL
Prov. Code	CAY CAVITE		Gr. Elev	500.00	Accu.	HR
Addr/Owner	LOMA		BPM			
Mun. Code	ANA AMADEO		Year	1990	Pop	21,022
Reg. 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)
76.2								
Comp Date	05/09/73	Level		Own'p	Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)				
H.P. ab. Ground (m)		Static WL (mbmp)		MSL				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by	
Depth to Underside of Layer (m)	Form.	F. Area	Logs	Perm. Class
1.5	C	CLAY		
7.6	R	HARD ROCK		
12.2	C	CLAY		
13.7	S	SAND		
54.9	C	CLAY		
64.0	SS	SAND ROCK		
73.1	C	CLAY		
76.2	G	GRAVEL		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. x4w (m)				Aquifer Loss Coef. B(sec/m ²)	
Specific Capacity (l/s/m)				Well Loss Coef. C(sec ² /m ⁵)	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	/ /	By		Drawdn.	Recov.
Duration (min)		0	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)		0.63	OBSERVATION WELL NO.		
Total Drawdown (m)		6.30	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)		0.1	Leakage (u-1*10 ⁻¹⁰)		
Well Potential			Trans. (m ² /sec*10 ⁻³)		

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

Samp. Date		pH		TDS		TSS		ODOR
Color		Cu ⁺⁺		NH ₄ ⁺		NO ₃ ⁻		CO ₂
Cond. µS/cm		Mg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		N ₂ S
Temp °C		Mn ⁺⁺		Cu ⁺⁺		CO ₃ ⁻		CH ₄
Turbidity		Fe ⁺⁺		HCO ₃ ⁻		PO ₄ ^m		O ₂
Alkalinity		Na ⁺		SO ₄ ^m		F ⁻		B
T. Hardness		K ⁺		Cl ⁻		SiO ₂		Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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

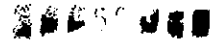
SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31632-0502

SCREEN 1: LOCATION

PCDB No	31632-0502	Source	MRR/BRS	Local No	
Other No		Basin			
Longitude	X NH		X PTM	Basin Area	
Latitude	Y NH		Y PTM	Loc. Method	
Prov. Code	CAV CAVITE	Cr. Elev	0.00	Accu.	
Addr/Owner	KATHISAS	BWP			
Mun. Code	AGU GEN. E. AGUINALDO (BAILEN)	Year	1990	Pop	10,954
Bgy. Code				Pop	0

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. H _{10w} (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		Drawds.	Recov.
Duration (min)				Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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)
48.8	140	UM	0.00	48.8					
Comp Date	/ /	Level		Own'p	Type			Use	
Operating?		Lift. Device		Gravel Pack φ (mm)					
H.P. ab. Ground (m)		Static WL (mbmp)	13.72	HSL	-13.72				

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μS/CM	Mg++	En++	NO2-	N2S
Temp °C	Na++	Cu++	CO3=	CH4
Turbidity	Fe++	NO3-	PO4=	O2
Alkalinity	Mn+	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			
3.0	C	BROWN CLAY			I
21.3	A	HARD ADOBE STONE			S
27.4	A	HARD ADOBE ROCK			S
48.8	SS	HARD SANDSTONE			C

SCREEN 7: GROUNDWATER LEVELS HISTORY

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

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0066

21691

SCREEN 1: LOCATION

PCDB No	31622-0066	Source	MRR/LMUA	Local No	21691
Other No	DKR NO. 3162-18	Basin			
Longitude	120°52'42" X MM	276.3	X PTW	486.865	Basin Area
Latitude	14°09'02" Y MM	333.3	Y PTW	1564.832	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	430.00	Accu.	PR
Addr/Owner	CALASUCHI	BPN			
Mun. Code	IND INDANG	Year	1990	Pop	39,294
Reg. Code				Pop	0

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)
91.9		100	UN	0.00	91.9	UN		34.1	91.9
Comp Date		08/18/58	Level		Own'p	Type		Use	
Operating?		Lift. Device	Gravel Pack φ (mm)						
H.P. ab. Ground (m)		Static WL (mbmp)		59.76	MSL	370.24			

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	
2.4		YELLOW SUB-SOIL
6.4	A	HARD ADOBE STONE
9.8	C a	YELLOW ADOBE CLAY
14.6	C	BROWN CLAY
32.6	A g	HARD ADOBE STONE WITH GRAVEL
39.0	C	BROWN STICKY CLAY
51.2	R a	SOFT ADOBE ROCK
55.5	C	YELLOW CLAY
57.9	A	ADOBE ROCK
63.4	C	YELLOW CLAY
72.0	S	FINE STONE

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Elev (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)	0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	0.32	OBSERVATION WELL NO.	
Total Drawdown (m)	0.62	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	0.5	Leakage (a-1*10 ⁻¹⁰)	
Well Potential	Trans. (m ² /sec*10 ⁻³)		

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

Sampl. Date	pH	TDS	TSS	DDOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μS/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	N ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)			H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

21692

31622-0067

21692

SCREEN 1: LOCATION

PCDB No	31622-0067	Source	NWRB/LWMA	Local No	21692	
Other No	DKK NO. 3162-17	Basin				
Longitude	120°52'38" X MW	273.9	X PTM	486.745	Basin Area	
Latitude	14°08'46" Y MW	323.3	Y PTM	1564.340	Loc. Method	DAL
Prov. Code	CAV CAVITE	Gr. Elev	445.00	Accu.	MR	
Addr/Owner	CALASUCHI II	BPN				
Mun. Code	IND INDANG	Year	1990	Pop	39,294	
Egy. Code		Pop	0			

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)
50.6	100	UN	0.00	50.4	UN			35.9	47.6

Comp Date	10/03/58	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)	0.78	Static WL (mbmp)	37.72	HSL	408.06				

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	
2.4	A	SOFT ADOBE ROCK				
12.5	C	BROWN CLAY				
35.1	A	HARD ADOBE ROCK				
49.7	A g	ADOBE ROCK WITH GRAVEL				
50.6	C	BLUE CLAY				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)			
Total Spec. Drawd. Σ sw (m)		Aquifer Loss Conf. 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)	0	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)	0.25	OBSERVATION WELL NO.			
Total Drawdown (m)	1.25	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	0.2	Leakage (s ⁻¹ *10 ⁻¹⁰)			
Well Potential		Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Na ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Mn ⁺⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0104

17163

SCREEN 1: LOCATION

PCDS No	31622-0104	Source	MWR	Local No	17163		
Other No	Basin						
Longitude	120°51'50	X MN	245.2	X PTN	485.306	Basin Area	
Latitude	14°09'16	Y MN	341.9	Y PTN	1565.263	Loc. Method	OAL
Prov. Code	CAV CAVITE		Cr. Elev	393.00	Accu.	HR	
Addr/Owner	PILIPIT-GUYAH		MMSA				
Ham. Code	IND INDANG		Year	1990	Pop	39,294	
Bgy. Code			Pop	0			

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Slot (mm)	Top (mbg)	Bot (mbg)
61.0								
Comp Date		06/07/57	Level		Own'p	Type	Use	
Operating		Lift. Device	Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbag)		45.73	MSL	347.27		

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	
3.4	C	BROWN CLAY
10.7	C	BROWN STICKY CLAY
11.6	SS	SAND ROCK
12.2	R	HARD STONE
14.0	C	BROWN CLAY
16.5	C	YELLOW STICKY CLAY
17.7	SS	SAND ROCK
22.0	R	HARD ROCK
23.8	R	STONE
28.1	A	ADOBE STONE
37.3	C	BLUE CLAY
44.8	C	BROWN CLAY
48.8	A	SOFT ADOBE STONE
53.4	A	ADOBE STONE
54.9	C	YELLOW CLAY
57.9	SS	SAND ROCK
61.0	SI	FINE SAND

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. K _{sw} (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)	0	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)	0.63	OBSERVATION WELL NO.			
Total Drawdown (m)	0.61	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	1.0	Leakage (a-1*10 ⁻¹⁰)			
Well Potential		Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Cu++	MH4+	NO3-	CO2
Cond. μ S/cm	Hg++	Zn++	NO2-	B2S
Temp °C	Mn++	Cu++	CO3-	CH4
Turbidity	Fe++	HCO3-	PO4m	O2
Alkalinity	Nu+	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 M.P. (m)	SWL?	GW Level MSL	Date	GW Level M.P. (m)	SWL?	GW Level NSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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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31621-0514

175933

SCREEN 1: LOCATION

PCDF No	31621-0514	Source	MRR/NIA	Local No	175933
Other No	WIA-UNDP NO. 218		Basin		
Longitude	X MN	X PTN	Basin Area		
Latitude	Y MN	Y PTN	Loc. Method		
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Addr/Owner	MEDINA MARKET SITE		BPM		
Mun. Code	MAG MACALLANES		Year	1990	Pop
					12,556
Rgy. Code					Pop
					0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing ϕ (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
28.0	200	UN	0.00	0.0					
Comp Date	10/20/59	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	12.20	MSL					-12.20

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Drill. Method	Described by	DN
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata				Perm. Class
1.8		BROWN CLAY				
7.3		YELLOW STICKY CLAY				
9.7		ADOBE ROCK				
14.0		YELLOW STICKY CLAY AND ADOBE				
19.2		YELLOW STICKY CLAY				
28.0		HARD ADOBE ROCK				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Elev (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)	0			Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	0.32			OBSERVATION WELL NO.	
Total Drawdown (m)	3.20			Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	0.1			Leakage (s-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	07/08/75	pH	7.40	TDS	340.00	TSS		ODOR	
Color		Ca++	41.1	NH4+		NO3-		CO2	
Cond. μ S/cm	410	Hg++	8.1	Zn++		NO2-		#2S	
Temp °C	25.0	Mn++		Cu++		CO3=		CH4	
Turbidity		Fe++		HCO3-	249	PO4=		O2	
Alkalinity		Na+	14.9	SO4=	2.40	F-		B	
T. Hardness		K+	8.6	Cl-	35	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM 04

31622-0050

SCREEN 1: LOCATION

PGDB No	31622-0050	Source	MWRB	Local No	
Other No		Basin			
Longitude	120°52'30	X MH	269.1	X PTM	486.504
Latitude	14°07'55	Y MH	292.1	Y PTM	1562.773
Prov. Code	CAV CAVITE	Gr. Elev	478.00	Accu.	MR
Addr/Owner	PALOCPOC	BFW			
Man. Code	MEN MENDEZ	Year	1990	Pop	17,652
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)
121.9	150	UM	0.00	121.9	UM			73.2	79.2
					UM			91.4	94.5
					UM			111.9	121.0

Comp Date	04/27/85	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbag)	56.65	MSL				421.31	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
1.5	C1a		BROWN SANDY LOAM	
6.1	C S3		CLAY W/ TRACES OF FINE TO COARSE SAND	
18.3	S C		UNCONSOLIDATED SAND AND CLAY	
33.5	A		BLACK ADOBE	
45.7	SSc		SANDSTONE WITH CLAY MATRIX	
51.8	S3C c		COARSE SAND TO FINE GRAVEL WITH CLAY	
67.1	SS		LOOSELY CEMENTED SANDSTONE	
71.6	C S1		CLAY WITH VERY FINE SAND	
74.7	SS		SANDSTONE	
121.9	SSc		SANDSTONE CEMENTED BY BROWN CLAY	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (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)			0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)			1.83	OBSERVATION WELL NO.	
Total Drawdown (m)			0.87	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)			2.1	Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. µS/cm	Hg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	N ₂ S
Temp °C	Na ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31622-0055

50016

SCREEN 1: LOCATION

PQDB No	31622-0055	Source	NWRB/LWUA	Local No	50016
Other No	DKK NO. 3162-27	Basin			
Longitude	120°53'40 X NY	311.0 X PTH	488.603	Basin Area	
Latitude	14°08'00 Y NY	295.2 Y PTH	1562.926	Loc. Method	OAL
Prov. Code	CAV CAVITE	Cr. Elev	500.00	Accu.	HR
Addr/Owner	PANUNYAN 1ST	BPW			
Mun. Code	PER MEMDEZ	Year	1990	Pop	17,652
Bgy. Code				Pop	0

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. x _{ssw} (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)		0		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		0.63		OBSERVATION WELL NO.	
Total Drawdown (m)		0.61		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		1.0		Leakage (s-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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)
125.3	100	UN	0.00	125.4	UN			123.4	125.4
Comp Date	05/30/58	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack φ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)		97.00	MSL			403.00	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MH4+	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		
3.1	C	CLAY		
6.1		GROUT SEAL		
91.5	SS	SAND ROCK		
103.6	S	SAND		
109.7	S	QUICK SAND		
112.8	C a	ADOBE CLAY		
125.0	SS	SAND ROCK		

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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31622-0040

50021

SCREEN 1: LOCATION

PCDB No	31622-0040		Source	MWRB		Local No	50021	
Other No			Basin					
Longitude	120°33'26	X MM	302.6	X PTM	488.183	Basin Area		
Latitude	14°07'50	Y MM	289.1	Y PTM	1362.619	Loc. Method	OAL	
Prov. Code	CAV CAVITE		Gr. Elev	504.00		Accu.	MR	
Addr/Owner	ARULING II		BFW					
Mun. Code	MEN MENDEZ		Year	1990		Pop	17,652	
Egy. 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)
140.2									
Comp Date		06/19/58	Level		Ouv'p	Type		Use	
Operating?			Lift. Device		Gravel Pack φ (mm)				
M.P. ab. Ground (m)			Static WL (mbag)	81.40		MSL	422.60		

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
7.6	C	CLAY		
24.4	R	SANDY ROCK		
38.4	R	ROCK		
62.2	S	SAND		
67.1	C	CLAY		
77.7	S	SAND		
91.5	R	ROCK		
100.6	C	CLAY		
118.9	R	HARD ROCK		
131.1	S	SAND		
140.2	R	ROCK		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. H ₂ O (m)		Aquifer Loss Conf. 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)	0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	0.63	OBSERVATION WELL NO.	
Total Drawdown (m)	2.17	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	0.2	Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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	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	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31622-0056

50015

SCREEN 1: LOCATION

PCDB No	31622-0056	Source	MARB	Local No	50015
Other No	Basin				
Longitude	120°53'37" X NY	309.2	X PTH	488.513	Basin Area
Latitude	14°07'24" Y NY	273.1	Y PTH	1561.819	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	474.00	Accu.	HR
Addr/Owner	PAMUNGYAN II	BPW			
Mun. Code	MEN MENDEZ	Year	1990	Pop	17,652
Dgy. Code					Pop

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Slot (mm)	Top (mbg)	Bot (mbg)
106.4								

Comp Date	07/02/58	Level		Own'p		Type		Use
Operating		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	56.40	MSL	417.60			

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
3.0	C	CLAY		
39.4	SS	SAND ROCK		
73.2	A	ADORE		
104.9	SS	SAND ROCK		
106.4	A	ADORE ROCK		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)			
Total Spec. Drawd. Elev (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)		0	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)		0.63	OBSERVATION WELL NO.		
Total Drawdown (m)		0.91	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)		0.6	Leakage (m*10 ⁻¹⁰)		
Well Potential			Trans. (m ² /sec*10 ⁻³)		

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	MH4 ⁺	NO3 ⁻	CO2
Cond. µS/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 ⁻	SI02	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	SWL?	Date	CW Level BMP (m)	SWL?	CW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM 18 (REV. 1988)

31622-0074

SCREEN 1: LOCATION

PCDB No	31622-0074			Source	WRR/BRS		Local No	
Other No								
Longitude	120°57'12	X NW	437.7	X PTM	494.962	Basin Area		
Latitude	14°08'12	Y NW	302.6	Y PTM	1563.292	Loc. Method	OAL	
Prov. Code	CAV CAVITE			Gr. Elev	545.00	Accu.	HR	
Addr/Owner	BUBO							
Man. Code	SIL SILANG			Year	1990	Pop	93,790	
Reg. Code						Pop	0	

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)
70.1	140	UN	0.00	70.1	UN			57.9	70.1
Comp Date		/ /	Level	Own'p	Type	Use			
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)			Static WL (mbmp)		42.70	MSL	502.30		

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
6.1	C	BROWN CLAY			
30.5	A	HARD ADOBE STONE			
39.6	A	HARD ADOBE ROCK			
70.1	SS	SANDSTONE			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ sw (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ S/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3-	CH4
Turbidity	Fe++	HCO3-	PO4m	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 MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31622-0077

SCREEN 1: LOCATION

PGDB No	31622-0077			Source	MWRB			Local No	
Other No				Basin					
Longitude	120°57'21	X NY	443.1	X PTM	495.232	Basin Area			
Latitude	14°09'11	Y NY	338.9	Y PTM	1565.105	Loc. Method	OAL		
Prov. Code	CAV CAVITE			Gr. Elev	498.00	Accu.	MR		
Addr/Owner	LALAAAN II			BWP					
Mun. Code	SIL SILANG			Year	1990	Pop	93,790		
Rgy. Code				Pop	0				

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)
91.4	150	UN	0.00	88.4	UN	UN		54.9	57.9
								79.2	88.4
Comp Date	/ /	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack ϕ (mm)							
M.P. ab. Ground (m)	Static WL (mbmp)		42.67	MSL	455.33				

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
9.1	C	CLAY, SOFT AND STICKY			
15.9	C	BROWN SOFT CLAY			
29.6	C	CLAY, SOFT AND STICKY			
34.1	C	YELLOW BROWN, SOFT AND STICKY CLAY			
44.2	SS	SANDSTONE			
55.5	G # 53	SANDY GRAVEL, GRAVEL WITH COARSE SAND			
63.5	C # 53	SANDY CLAY, MEDIUM COARSE SAND & S. CLAY			
70.1	C	SOFT CLAY, BROWN, SOFT AND STICKY			
77.7	C # 53	SANDY CLAY, BROWN, SOFT WITH COARSE SAND			
91.4	SS	SANDSTONE			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ ssw (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	Duration (min)	8640	Trans. (m ² /sec*10 ⁻³)	Drawdn.	Recov.
Discharge (l/s)	2.65	OBSERVATION WELL NO.				
Total Drawdown (m)	4.88	Storage (*10 ⁻³)				
Sp. Cap. End Test (l/s/m)	0.5	Leakage (s-1*10 ⁻¹⁰)				
Well Potential		Trans. (m ² /sec*10 ⁻³)				

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	MH4 ⁺	NO3 ⁻	CO2
Cond. μ 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		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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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31622-0082

16635

SCREEN 1: LOCATION

PGWB No	31622-0082	Source	NWRB		Local No	16635
Other No			Basin			
Longitude	120°59'36" X PM	523.8	X PTM	499.280	Basin Area	
Latitude	14°09'44" Y PM	359.2	Y PTM	1566.119	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	460.00	Accu.	MR
Addr/Owner	VLAT		BPM			
Mun. Code	SIL BILANG		Year	1990	Pop	93,790
Rgy. Code			Pop	0		

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)	
157.0										
Comp Date		11/17/57	Level		Ouv'p	Type	Use			
Operating?		Lift. Device	Gravel Pack ϕ (mm)							
N.P. ab. Ground (m)		Static WL (mbmp)		111.00	HSL	349.00				

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	
5.2	A	SOFT ADOBE STONE			
22.0	A	ADOBE			
38.1	SE	SAND ROCK			
44.5	R	HARD ROCK			
49.4	C	STICKY CLAY (YELLOW)			
64.0	A	ADOBE			
79.3	A	SOFT ADOBE STONE			
95.6	C =	SANDY CLAY			
100.3	C	YELLOW CLAY			
157.0	SE	SAND ROCK			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Elev (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		Drawd.	Recov.
Duration (min)	0		Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)	0.50		OBSERVATION WELL NO.		
Total Drawdown (m)	1.80		Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)	0.2		Leakage (s-1*10 ⁻¹⁰)		
Well Potential			Trans. (m ² /sec*10 ⁻³)		

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ S/cm	Mg++	Zn++	NO2-	BZS
Temp °C	Mn++	Cu++	CO3-	CH4
Turbidity	Fe++	HCO3-	PO4m	O2
Alkalinity	Na+	SO4-	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (N.P.)		N.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31622-0080

SCREEN 1: LOCATION

PGDB No	31622-0080	Source	MMMB	Local No	
Other No		Basin			
Longitude	120°57'50" E	X MY	460.5	X PTM	496.101
Latitude	16°08'44" N	Y MY	322.3	Y PTM	1564.276
Prov. Code	CAV CAVITE	Gr. Elev	520.00	Accu.	MR
Addr/Owner	MALABAG		BWP		
Mun. Code	SIL SILANG	Year	1990	Pop	93,790
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)
91.4									
Comp Date	/ /	Level	Dev't	Type	Use				
Operating?	Lift. Device	Gravel Pack (mm)							
N.P. ab. Ground (m)	Static WL (mbmp)	54.86	MSL	465.14					

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
3.1	C	BROWN CLAY	
9.1	C	BLUE SANDY CLAY	
13.7	C	YELLOW BROWN CLAY WITH MINOR SAND	
21.3	C	RED SANDY CLAY	
27.4	A	HARD BLACK ADOBE	
35.1	C	SOFT BROWN SANDY CLAY	
42.7	SS	SANDSTONE	
48.8	C	SANDY CLAY	
57.9	SS	SANDSTONE	
62.3	C	BROWN SOFT CLAY WITH MINOR SAND	
68.6	S	GRAVELLY SAND, REDDISH GRAVEL	
71.6	C	SANDY CLAY WITH MEDIUM COARSE SAND	
76.2	C	BROWN SOFT CLAY	
79.2	C	SANDY CLAY W/ MEDIUM COARSE SAND	
86.9	SS	SANDSTONE	
91.4	C	SANDY CLAY WITH MEDIUM COARSE SAND	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Elow (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (a-1*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MH4+	NO3-	CO2
Cond. µS/cm	Mg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3-	CH4
Turbidity	Fe++	HCO3-	PO4w	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)	SWLT	GW Level MSL	Date	GW Level BHP (m)	SWLT	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

20722

31622-0063

20722

SCREEN 1: LOCATION

PCDB No	31622-0063	Source	MWRB	Local No	20722
Other No		Basin			
Longitude	120°54'30	X MY	340.9	X PTM	490.102
Latitude	14°06'44	Y MY	248.5	Y PTM	1560.590
Basin Area					
Loc. Method	OAL				
Prov. Code	CAV CAVITE	Gr. Elev	594.00	Accu.	MR
Add/Owner	PATUTONG MALAKI	BPN			
Mun. Code	TAG TAGAYTAY CITY	Year	1990	Pop	23,739
Reg. Code				Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type Part	Slot (mm)	Top (mbg)	Bot (mbg)
Comp Date	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack ϕ (mm)						
H.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
	Code	Brief Description of Penetrated Strata		
4.3	C	BROWN CLAY		
13.7	C #	SANDY CLAY		
16.8	S1	FINE SAND		
24.4	C #	SANDY CLAY		
35.1	C #	BROWN SANDY CLAY		
47.2	C #	SANDY CLAY		
61.0	C	STICKY YELLOW CLAY		
70.1	S1	FINE SAND		
79.3	C #	SANDY CLAY		
100.6	S	SAND		
114.3	A	ADOBE		
131.1	C	BLUE STICKY CLAY		
137.2	C	BROWN STICKY CLAY		
166.2	A	ADOBE		
179.9	SS	SAND ROCK		
186.0	C	YELLOW STICKY CLAY		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ sw (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	Drawds.	Recov.
Duration (min)		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

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

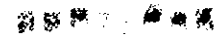
SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31632-0510

SCREEN 1: LOCATION

PGDB No	31632-0510	Source	BRS	Local No	
Other No		Basin			
Longitude	X MM	X PTM		Basin Area	
Latitude	Y MM	Y PTM		Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Addr/Owner	CONCHU		BWP		
Mun. Code	TRE TRECE MARTIRES CITY		Year	1990	Pop 15,686
Reg. Code					Pop 0

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)
61.0	50	UV	0.00	0.0					
Comp Date	/ /	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack ϕ (mm)							
H.P. ab. Ground (m)	Static WL (mbmp)	28.96	MSL	-28.96					

SCREEN 3: STRATA LOG DATA

Driller		Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	Brief Description of Penetrated Strata	Perm. Class
3.0	S1			GRAY FINE SAND	U
7.6	C			BROWN STICKY CLAY	I
12.2	A			ADORE ROCK	I
18.3	C #3			GRAVEL WITH COARSE SAND	U
32.0	C #			SANDY GRAVEL	U
61.0	SS			SANDSTONE	C

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. H ₂ O (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date		pH		TDS		TSS		ODOR	
Color		Ca ⁺⁺		NH ₄ ⁺		NO ₃ ⁻		CO ₂	
Cond. μ S/cm		Hg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		H ₂ S	
Temp °C		Na ⁺⁺		Cu ⁺⁺		CO ₃ ⁼		CH ₄	
Turbidity		Fe ⁺⁺		HCO ₃ ⁻		PO ₄ ⁿ		O ₂	
Alkalinity		Na ⁺		SO ₄ ⁼		F ⁻		B	
T. Hardness		K ⁺		Cl ⁻		SiO ₂		Pb	

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0511

SCREEN 1: LOCATION

FGDB No	31632-0511	Source	BRS	Local No	
Other No		Basin			
Longitude	X NY	X PTM		Basin Area	
Latitude	Y NY	Y PTM		Loc. Method	
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	AGUADO	BWP			
Mun. Code	TRE TRECE MARTIRES CITY	Year	1990	Pop	15,686
Rgy. Code		Pop			0

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)
61.0	50	UN	0.00	0.0					
Comp Date	/ /	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	22.86	MSL				-22.86	

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	EA	SANDY SOIL		U
7.6	S1	FINE SAND		U
12.2	C s	SANDY CLAY		S
21.3	S g	GRAVELLY SAND		U
29.0	S sh	SHALEY SAND		U
32.0	G a	SANDY GRAVEL		U
61.0	SS	SANDSTONE		C

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. Drawn (m)		Aquifer Loss Coef. B(sec/m ²)
Specific Capacity (l/s/m)		Well Loss Coef. C(sec ² /m ⁵)

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	By	Drawn.	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 ($n \cdot 10^{-10}$)	
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++	MN4+	NO3-	CO2
Cond. $\mu S/cm$	Hg++	Zn++	NO2-	N2S
Temp °C	Na++	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	GW Level BWP (m)	SWL?	GW Level MSL	Date	GW Level BWP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31623-0004

SCREEN 1: LOCATION

PCDD No	31623-0004	Source	BRS	Local No	
Other No		Basin			
Longitude	120°44'52" X MM	533.4	X PTM	472.771	Basin Area
Latitude	14°09'16" Y MM	340.7	Y PTM	1565.212	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	134.00	Accu.	YR
Addr/Owner	PULONG IPOT, BENDITA	DPWR			
Mun. Code	MAG MAGALLANES	Year	1990	Pop	12,556
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)
54.9									

Comp Date	/ /	Level	Own'p	Type	Use
Operating?		Lift. Device	Gravel Pack (mm)		
M.P. ab. Ground (m)		Static WL (mbg)		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		
3.1	C	CLAY		
9.1	X	BUGA?		
18.3	A	LIGHT GRAY ADOBE		
30.5	A	GRAY ADOBE		
42.7	A	DARK GRAY ADOBE		
54.9	R	HARD STONE		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. Elev (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	Drawda.	Recov.
Duration (min)		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Temp °C	pH	TDS	TSS	ODOR
Turbidity	Ca ⁺⁺	Mg ⁺⁺	NO3-	CO2
Alkalinity	Mn ⁺⁺	Zn ⁺⁺	NO2-	N2S
	Fe ⁺⁺	Cu ⁺⁺	CO3=	CH4
	Hs ⁺	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)	SWL?	GW Level MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31624-0002

176113

SCREEN 1: LOCATION

PGDB No	31624-0002	Source	NRRB	Local No	176113
Other No	Basin				
Longitude	120°44'58	X MY	505.9	X PTM	472.956
Latitude	14°11'48	Y MY	66.4	Y PTM	1569.944
Prov. Code	CAV CAVITE		Gr. Elev	165.00	Accu. YR
Addr/Owner	BALIWAG		BPW		
Mun. Code	MAG MAGALLANES		Year	1990	Pop
Reg. Code					Pop

SCREEN 4: STEP DRAWDOWN PUMPING TEST

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

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing φ (mm)	Type	Top (m)	Bot (m)	Screen Type/Perf	Slot (mm)	Top (m)	Bot (m)
38.1								
Comp Date	04/03/61	Level		Own'p	Type		Use	
Operating?		Lift. Device		Gravel Pack φ (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	13.72	MSL	151.28			

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

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

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

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

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by
Depth to Underside of Layer (m)	Form.	F. Area
	Logs	
	Code	Brief Description of Penetrated Strata
7.6	C	BROWN CLAY
18.3	A	ADobe ROCK
24.4	C s	SANDY CLAY
28.1	A	ADobe ROCK
29.6	C s	SANDY CLAY
35.1	A	ADobe ROCK
38.1	SS	SANDY ROCK
		Perm. Class

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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31624-0008

16016

SCREEN 1: LOCATION

PCDE No	31624-0008	Source	MAR	Local No	16016		
Other No	Basin						
Longitude	120°43'50	X NM	467.6	X PTM	470.926	Basin Area	
Latitude	14°16'18	Y NM	227.6	Y PTM	1577.998	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	10.00	Accu.	HR		
Addr/Owner	PINAGSAMUAN		BPW				
Mun. Code	MAR MARAGONDON	Year	1990	Pop	22,814		
Rgy. Code				Pop	0		

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)
48.2								
Comp Date		09/21/57	Level		Own'p	Type		Use
Operating?		Lift. Device		Gravel Pack ϕ (mm)				
M.P. ab. Ground (m)			Static WL (mbmp)	15.85	MSL		-5.85	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Lugs	Perm. Class
	Code	Brief Description of Penetrated Strata		
2.7	C	RED CLAY		
6.1	SSb	SAND ROCK WITH BOULDERS		
32.0	SS	SAND ROCK		
41.5	A	RED ADOBE		
43.3	S	SAND		
45.7	A	ADOBE		
48.2	R	ROCK		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ av (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Hg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁺⁺	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁺⁺	O ₂
Alkalinity	Na ⁺	SO ₄ ⁺⁺	F ⁻	B
T. Hardness	X ⁺	Cl ⁻	SiO ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31624-0048

16014

SCREEN 1: LOCATION

PWID No	31624-0048	Source	MWRB	Local No	16014	
Other No	Basin					
Longitude	120°43'55" X NW	470.4	X PTM	471.078	Basin Area	
Latitude	14°17'00" Y NW	258.3	Y PTM	1579.534	Loc. Method	OLM
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	BALAYUNGAN	BPM				
Mun. Code	MAR MARACONDON	Year	1990	Pop	22,814	
Egy. Code		Pop	0			

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)
81.1									
Comp Date	09/20/57	Level		Own'p	Type	Use			
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
N.P. ab. Ground (m)		Static WL (mbmp)	19.82	HSL	-19.82				

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	GROUT SEAL CLAY		
54.9	A	ADOBE ROCK		
81.1	A	YELLOW ADOBE		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. 256w (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)	0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	0.95	OBSERVATION WELL NO.	
Total Drawdown (m)	0.61	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	1.5	Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ S/cm	Mg++	Zn++	NO2-	NIS
Temp °C	Na++	Cu++	CO3-	CH4
Turbidity	Fe++	NO3-	PO4n	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 MSL	Date	GW Level BMP (m)	SWL?	GW Level MSL

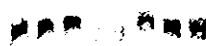
SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31624-0013

SCREEN 1: LOCATION

PCDB No	31624-0013	Source	MRRB	Local No		
Other No		Basin				
Longitude	120°44'15" X MM	481.7	X PTM	471.681	Basin Area	
Latitude	14°18'40" Y MM	319.8	Y PTM	1582.607	Loc. Method	OAL
Prov. Code	CAY CAVITE	Gr. Elev	2.00	Accu.	HR	
Addr/Owner	LABAC					
Mun. Code	NAI MAIC	Year	1990	Pop	51,629	
Qty. Code				Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf (mm)	Slot (mm)	Top (mbg)	Bot (mbg)
124.1									

Comp Date	07/03/57	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbmg)		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	S1		FINE SAND	
6.1	S C		SAND AND GRAVEL WITH SHELLS	
9.1	S C		SAND AND GRAVEL	
18.3	C		CLAY	
27.4	S		SAND	
48.8	A		ADOBE	
91.5	C		CLAY	
109.8	C a		ADOBE CLAY	
124.1	A		ADOBE ROCK	

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. E_{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 ⁺⁺		NH ₄ ⁺		NO ₃ ⁻		CO ₂	
Cond. $\mu S/cm$		Mg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		H ₂ S	
Temp °C		Mn ⁺⁺		Cu ⁺⁺		CO ₃ ⁼		CH ₄	
Turbidity		Fe ⁺⁺		HCO ₃ ⁻		PO ₄ ⁼		O ₂	
Alkalinity		Na ⁺		SO ₄ ⁼		F ⁻		B	
T. Hardness		K ⁺		Cl ⁻		SiO ₂		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31624-0016

5628

SCREEN 1: LOCATION

PCDB No	31624-0016	Source	WARS	Local No	5628
Other No					
Longitude	120°43'10" X MM	445.0	X PTM	469.730	Basin Area
Latitude	14°17'40" Y MM	282.9	Y PTM	1580.765	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	1.00	Accu.	PK
Addr/Owner	PLAZA POBLACION	BPM			
Mun. Code	TER TERMATE	Year	1990	Pop	11,981
Reg. 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)
106.7								

Comp Date	01/15/73	Level		Own'p		Type		Use
Operating		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	2.44	MSL			-1.44	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by
Depth to Underneath of Layer (m)	Form	F. Area
	Code	Logs
	Brief Description of Penetrated Strata	
21.3	C	BROWN CLAY
36.6	C a	ADOBE CLAY
56.4	SS	SAND ROCK
76.2	C a	BLUE SANDY CLAY
82.3	S	QUICK SAND
91.5	C a	SANDY CLAY
103.6	R	SOLID ROCK
106.7	S C	SAND AND GRAVEL

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. Elev (m)		Aquifer Loss Coef. W(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)	0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	1.19	OBSERVATION WELL NO.	
Total Drawdown (m)	0.44	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	2.7	Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

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

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31624-0018

16090

SCREEN 1: LOCATION

PCDB No	31624-0018	Source	MWB	Local No	16090
Other No	Basin				
Longitude	120°42'55" X MW	436.6	X PTM	469.280	Basin Area
Latitude	14°17'15" Y MW	267.5	Y PTM	1579.997	Loc. Method
Prov. Code	CAY CAVITE		Gr. Elev	2.00	Accu. MR
Addr/Owner	POBLACION		IPW		
Mun. Code	TER TERNATE		Year	1990	Pop. 11,981
Reg. Code			Pop.	0	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

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

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)
104.6									
Comp Date	04/09/57	Level	Own'p	Type	Use				
Operating?	Lift. Device	Gravel Pack ϕ (mm)							
M.P. ab. Ground (m)	Static WL (mbmp)		4.26	HSL	-2.26				

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

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

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

Samp. Date	pH	TDS	TSS	DOOR
Color	Ca ⁺⁺	Mg ⁺⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Mn ⁺⁺	Cu ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Fe ⁺⁺	CO ₃ ⁼	PO ₄ ⁼	CH ₄
Turbidity	NH ₄ ⁺	SO ₄ ⁼	F ⁻	B
Alkalinity	K ⁺	Cl ⁻	SI0 ₂	Pb
T. Hardness				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
11.3	C	CLAY		
12.2	G	GRAVEL		
18.3	A	ADOBE		
41.2	A	ADOBE STONE		
67.1	C	CLAY		
80.8	G	GRAVEL		
97.6	R	HARD ROCK		
104.6	S	SAND		

SCREEN 7: GROUNDWATER LEVELS HISTORY

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

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31624-0023

16039

SCREEN 1: LOCATION

PCDB No	31624-0023	Source	MARB	Local No	16039	
Other No	Basin					
Longitude	120°41'55" X NY	402.8	X PTM	467.481	Basin Area	
Latitude	14°17'00" Y NY	258.3	Y PTM	1579.539	Loc. Method	OLM
Prov. Code	CAV CAVITE		Gr. Elev	70.00	Accu.	HR
Addr/Owner	SAPANG		BFW			
Ym. Code	TER TERNATE	Year	1990	Pop	11,981	
Reg. Code				Pop	0	

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)
40.9									
Comp Date		05/02/57	Level		Own'p		Type		Use
Operating?			Lift. Device		Gravel Pack ϕ (mm)				
H.P. ab. Ground (m)			Static WL (mbmp)		3.04	MSL	66.96		

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	
6.1	C	CLAY
18.3	C	BLACK CLAY
30.5	A	YELLOW ADOBE
40.9	R	ROCK
		Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ sw (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	Drawn. Recov.
Duration (min)	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	OBSERVATION WELL NO.	
Total Drawdown (m)	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential	Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	Mg++	NO3-	CO2
Cond. μ S/cm	Na++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3-	CN4
Turbidity	Fe++	HCO3-	PO4m	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 MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31624-0030

16038

SCREEN 1: LOCATION

FCOB No	31624-0030	Source	MWRB	Local No	16038
Other No	Basia				
Longitude	120°43'55" X 101	470.4	X 101	471.080	Basia Area
Latitude	14°18'10" Y 101	301.4	Y 101	1581.685	Loc. Method OAL
Prov. Code	CAV CAVITE	Gr. Elev	2.00	Accu.	HR
Addr/Owner	SAN JUAN II	BPW			
Mun. Code	TEA TERRAHE	Year	1990	Pop	11,981
Reg. Code		Pop	0		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Khw (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (a-1*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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)
47.9									
Comp Date	04/13/57	Level		Owa'p	Type		Use		
Operating?		Lift. Device		Gravel Pack φ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)		MSL					

SCREEN 6: WATER QUALITY ANALYSIS (PPH 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			
4.0	S G	SAND AND GRAVEL		
6.1	C = X	SANDY CLAY WITH GRAVEL		
18.6	A	ADOBE ROCK		
47.9	A	ADOBE STONE		

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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM 1

31624-0045

SCREEN 1: LOCATION

FGWB No	31624-0045	Source	NWRB/PM 9188		Local No	
Other No		Basin				
Longitude	120°38'37" X PM	291.2	X PTN	461.544	Basin Area	
Latitude	14°16'01" Y PM	222.0	Y PTN	1577.734	Loc. Method	OLM
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	TERMATE		HARBELLA CLUB (MANILA) INC.			
Mun. Code	TER TERMATE		Year	1990	Pop	11,981
Rgy. 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)
107.3									
Comp Date	01/09/81	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	15.24	MSL					-15.24

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
5.0	C g	CLAY WITH GRAVEL			
6.4	L	LIMESTONE, HARD			
10.7	C = g	CLAY WITH SAND AND GRAVEL			
14.9	R	ROCK			
19.5	L R	LIMESTONE, ROCK			
36.6	R	ROCK			
37.2	S	SAND			
42.4	L R	LIMESTONE, ROCK			
48.8	R	ROCK			
49.4	C	CLAY			
67.4	R	ROCK			
75.0	SS	SANDSTONE			
76.2	L R	LIMESTONE, ROCK			
81.4	SS	SANDSTONE			
107.3	L	LIMESTONE, HARD			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. (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	Drawd.	Recov.
Duration (min)		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.F.)		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0262

31632-0262

SCREEN 1: LOCATION

PUB No	31632-0262	Source	DMRA	Local No		
Other No	Basin					
Longitude	120°56'38" X MW	368.8	X PTM	493.947	Basin Area	
Latitude	14°20'46" Y MW	28.3	Y PTM	1586.463	Loc. Method	OLC
Prov. Code	CAV CAVITE		Gr. Elev	60.00	Accu.	MR
Addr/Owner	SALITRAM (HOMETOWN DEVELOPMENT)					
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556
Egy. Code					Pop	0

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)
183.0	200	UN	0.00	177.0	UN		0.0	79.0
					UN		79.0	110.0
					UN		116.0	134.0
					UN		140.0	152.0
					UN		158.0	177.0

Comp Date	07/26/82	Level		Ow'p		Type		Use
Operating?		Lift. Device		Gravel Pack ϕ (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	18.00	HSL	42.00			

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
13.7	A		ADOBE	I
16.7	C		YELLOW CLAY	I
24.3	A		ADOBE, HARD	S
27.4	A c		ADOBE W/ CLAY	I
50.3	C SE		GRAVEL AND SANDSTONE	U
56.4	K		BOULDER ROCK	C
57.9	C		CLAY	I
60.9	S C C		SAND, GRAVEL AND CLAY	U
71.6	C S		CLAY AND SAND	S
73.0	S c		SAND W/ YELLOW CLAY	U
82.3	C		YELLOW CLAY	I
83.8	C c		CLAY W/ SAND	S
92.9	SS		SANDSTONE	C
94.3	S c		SAND W/ YELLOW CLAY	U
100.6	C c		CLAY W/ SAND	S
106.7	SS		SANDSTONE	C
108.2	S c		SAND W/ YELLOW CLAY	U
112.8	C c		CLAY W/ SAND	S
118.9	C S E		CLAY W/ SAND AND GRAVEL	S
123.4	G S		GRAVEL AND SAND	U
155.4	B c e		BOULDER W/ CLAY, GRAVEL AND SAND	U
158.5	SH		SHALE	I
176.8	SS		SANDSTONE	C
183.0	G SE		GRAVEL AND SHALE	S

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ sw (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	07/26/82	By		Drawdn.	Recov.
Duration (min)		1440		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		8.33		OBSERVATION WELL NO.	
Total Drawdown (m)		12.00		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		0.6		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

SCREEN 6: WATER QUALITY ANALYSIS (PPM OR MG/L)

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ 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. (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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0318

SCREEN 1: LOCATION

PGDB No	31632-0318	Source	BRS	Local No	
Other No	048-1289-108-88	Basin			
Longitude	120°58'51" X NY	439.0	X PTM	497.933	Basin Area
Latitude	14°21'39" Y NY	60.9	Y PTM	1588.091	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	70.00	Accu.	NR
Addr/Owner	SALAMAC	DPWN			
Mun. Code	DAS DASHARIMAS	Year	1990	Pop	136,556
Reg. Code				Pop	0

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)
67.1	50	UM	0.00	48.8					
Comp Date	11/28/88	Level		Own'p	Type		Use		
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbop)	32.00	HSL			38.00		

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
4.6	EA	TOP SOIL		U
9.1	C	CLAY		I
15.2	G	SANDY GRAVEL		U
22.9	S	SANDY		U
33.5	A	BROWN ADOBE		I
41.4	A	BLACK-BROWN ADOBE		I
48.8	A	BLACK ADOBE		I
57.9	R	HARD ROCK		I
67.1	SS	SANDSTONE		C

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. 24hr (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (a-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	MH ⁴⁺	NO ₃ ⁻	CO ₂
Cond. μ S/CM	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	NH ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SI0 ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0258

9338

SCREEN 1: LOCATION

PDB# No	31632-0258	Source	NWRB	Local No	9338
Other No		Basin			
Longitude	120°55'30	X NY	332.9	X PTM	491.910
Latitude	14°20'46	Y NY	28.3	Y PTM	1586.464
Prov. Code	CAV CAVITE	Gr. Elev	62.00	Accu.	MR
Addr/Owner	SARANG	BPW			
Mun. Code	DAS DASHARINAS	Year	1990	Pop	136,556
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)
64.0									
Comp Date	11/30/55	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbgp)	9.15	MSL	52.85				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underlie of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
0.9	C	STICKY CLAY		I
9.2	SS	SAND ROCK		C
12.2	C	STICKY CLAY		I
14.3	A	HARD ADOBE ROCK		S
24.1	SS	SAND ROCK		C
45.7	A	ADOBE ROCK		S
64.0	SS	SAND ROCK		C

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. H ₂ O (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.	Recor.
Duration (min)		0		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		0.95		OBSERVATION WELL NO.	
Total Drawdown (m)		0.91		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		1.0		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0222

C-7

SCREEN 1: LOCATION

PCPB No	31632-0222	Source	MWRB/MIA	Local No	C-7
Other No	Basin				
Longitude	120°52'32" X MW	238.8	X PTH	486.578	Basin Area
Latitude	14°22'06" Y MW	77.5	Y PTH	1588.925	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	16.86	Accu.	UM
Addr/Owner	SAN JUAN	NIA			
Man. Code	TRI GEN. TRIAS	Year	1990	Pop	52,888
By. Code		Pop			0

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Slot (mm)	Top (m)	Bot (m)
98.0	200	UM	0.00	90.0	UM		18.0	56.0
					UM		72.0	90.0

Comp Date	03/29/76	Level		Own'p		Type		Use
Operating?		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	7.18	MSL			9.68	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by	
Depth to Underside of Layer (m)	Form.	F. Area	Logs	Perm. Class
8.0	C	CLAY		I
14.0	C	GRAVEL		U
18.0	C	CLAY		I
44.0	C	GRAVEL		U
46.0	C	CLAY		I
64.0	S	SAND		I
70.0	C	CLAY		I
75.0	T	VOLCANIC TUFF		S
78.0	C	CLAY		I
86.0	T	VOLCANIC TUFF		S
98.0	V	VOLCANIC ASH		S

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	03/24/76	By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (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	03/24/76	By		Drawdn.	Recov.
Duration (min)	0			Trans. (m ² /sec*10 ⁻³)	2.45
Discharge (l/s)	16.72	OBSERVATION WELL NO.			
Total Drawdown (m)	5.29	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	3.1	Leakage (u-1*10 ⁻¹⁰)			
Well Potential	MEDIUM	Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	03/24/76	pH	8.70	IDS	450.00	TSS		ODOR
Color		Ca++	39.0	MN4+		NO3-		CO2
Cond. (µS/cm)	570	Mg++	10.0	Zn++		NO2-		N25
Temp °C	30.5	Mn++		Cu++		CO3-	14.10	CH4
Turbidity		Fe++		HCO3-	300	PO4m		O2
Alkalinity		Na+	50.1	SO4-	5.76	F-		B
T. Hardness		K+	16.8	Cl-	15	SI02		Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Date	Measuring Pt. (H.P.)		M.P. ab. Ground		0.00	Period. m.	No
	GW Level BHP (m)	SWL	GW Level MSL	Date			
04/05/76	7.25	No	9.61	01/15/78	6.58	No	10.28
04/20/76	7.35	No	9.51	02/22/78	6.77	No	10.09
05/10/76	7.21	No	9.65	03/20/78	6.80	No	10.06
06/05/76	6.59	No	10.27	04/19/78	6.94	No	9.92
07/20/76	6.72	No	10.14	05/25/78	6.94	No	9.92
08/02/76	6.29	No	10.57	06/28/78	5.35	No	11.51
08/25/76	5.95	No	10.91	07/25/78	6.15	No	10.71
09/05/76	6.10	No	10.76	10/25/78	5.28	No	11.58
11/15/76	6.35	No	10.51	11/23/78	5.37	No	11.49
12/15/76	6.25	No	10.61	12/25/78	5.80	No	11.06
01/17/77	6.37	No	10.49	01/15/79	5.97	No	10.89
02/22/77	6.85	No	10.01	02/21/79	6.38	No	10.48
03/25/77	7.10	No	9.76	03/25/79	6.55	No	10.31
04/25/77	7.30	No	9.56	04/25/79	6.78	No	10.08
05/25/77	7.45	No	9.41	05/25/79	6.65	No	10.21
06/25/77	7.07	No	9.79	06/27/79	6.22	No	10.64
07/26/77	5.48	No	11.38	07/18/79	5.36	No	11.50

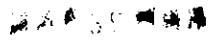
SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31632-0224

C-9

SCREEN 1: LOCATION

PCDB No	31632-0224	Source	MRRS/NIA	Local No	C-9	
Other No		Basin				
Longitude	120°54'08" X MM	289.5	X PTM	489.453	Basin Area	
Latitude	14°21'04" Y MM	39.4	Y PTM	1587.018	Loc. Method	OLC
Prov. Code	CAV CAVITE	Gr. Elev	55.36	Accu.	UM	
Addr/Owner	SANTIAGO	NIA				
Mun. Code	TRI GEN. TRIAS	Year	1990	Pop	52,888	
Egy. Code				Pop	0	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. S _{draw} (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	05/03/76	By		Drawdn.	Recov.
Duration (min)	1440	Trans. (m ² /sec*10 ⁻³)		5.38	
Discharge (l/s)	19.05	OBSERVATION WELL NO.			
Total Drawdown (m)	4.27	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	4.4	Leakage (a-1*10 ⁻¹⁰)			
Well Potential	GOOD	Trans. (m ² /sec*10 ⁻³)			

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
40.0	308	310	UM	0.00	30.0	UM	UP	30.0	66.0
200.0	381	200	UM	30.0	144.0	UM	UP	78.0	108.0
						UM	UP	120.0	144.0

Comp Date	05/03/76	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
H.P. ab. Ground (m)		Static HL (mbmp)	4.23	MSL	51.13				

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

Samp. Date	05/03/76	pH	8.18	TDS	360.00	TSS		ODOR	
Color		Ca++	16.0	MH4+		NO3-		CO2	
Cond. μS/cm	440	Hg++	14.0	Zn++		NO2-		N2S	
Temp °C	20.0	Mn++		Cu++		CO3=		CH4	
Turbidity		Fe++		HCO3-	268	PO4m		O2	
Alkalinity		Na+	43.0	SO4=	0.96	F-		B	
T. Hardness		K+	9.0	Cl-	9	SiO2		Pb	

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
7.0	C	RESIDUAL CLAY			I
10.0	G	GRAVEL			U
24.0	S	SAND			U
60.0	C	GRAVEL			U
63.0	C	RESIDUAL CLAY			I
70.0	G	GRAVEL			U
112.0	C	RESIDUAL CLAY			I
116.0	S	SAND			U
123.0	C	RESIDUAL CLAY			I
139.0	G	GRAVEL			U
140.0	C	CLAY			I
200.0	S	SAND			U

SCREEN 7: GROUNDWATER LEVELS HISTORY

Date	Measuring Pt. (M.P.)		H.P. ab. Ground		0.00	Period. m.	No
	GW Level BMP (m)	SWL?	GW Level MSL	Date			
05/10/76	3.75	No	51.61	06/25/78	2.89	No	52.47
08/05/76	3.85	No	51.51	07/25/78	2.81	No	52.55
08/25/76	2.95	No	52.41	10/18/78	2.49	No	52.87
11/15/76	2.75	No	52.61	11/22/78	2.58	No	52.78
12/15/76	2.65	No	52.71	12/25/78	2.65	No	52.71
01/18/77	2.68	No	52.68	01/18/79	2.78	No	52.58
02/22/77	2.85	No	52.51	02/20/79	2.78	No	52.61
03/24/77	2.95	No	52.41	03/21/79	2.91	No	52.45
04/25/77	3.15	No	52.21	04/26/79	3.01	No	52.35
05/25/77	3.28	No	52.08	05/23/79	2.95	No	52.41
06/25/77	3.09	No	52.27	06/27/79	2.93	No	52.43
07/25/77	2.89	No	52.47	07/18/79	2.87	No	52.49
09/15/77	2.67	No	52.69	08/28/79	2.54	No	52.82
10/15/77	2.65	No	52.71	09/28/79	2.46	No	52.90
11/25/77	2.59	No	52.77	10/23/79	2.31	No	53.05
12/19/77	3.05	No	52.31	11/26/79	2.43	No	52.93
01/15/78	2.89	No	52.47	12/27/79	2.56	No	52.80

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0321

SCREEN 1: LOCATION

PCDS No	31632-0321	Source	ARS	Local No		
Other No	048-1289-47-88	Basin				
Longitude	120°52'57" X MM	252.0	X PTH	487.329	Basin Area	
Latitude	14°24'25" Y MM	163.0	Y PTH	1593.196	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	6.00	Accu.	NR	
Addr/Owner	BACAO II	DPWH				
Mun. Code	TRI GEN. TRIAS	Year	1990	Pop	52,888	
Reg. Code		Pop			0	

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)
48.8	50	UN	0.00	18.3					
Comp Date	08/30/88	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbwp)		3.05	MSL			2.95	

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		
3.0	IC	LOAM		U
7.0	EA	FINE SOIL		U
11.6	C	CLAY		I
18.3	S	SAND		U
23.8	SS	SANDSTONE		C
28.9	A	ADOBE		I
34.4	S a	GRAVELLY SAND		U
40.5	R	HARD ROCK		
48.8	SS	SANDSTONE		C

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. x6sw (m)				Aquifer Loss Coef. B(sec/m ²)	
Specific Capacity (l/s/m)				Well Loss Coef. -C(sec ² /m ⁵)	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date		By		Drawda.	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 ($a \cdot 10^{-10}$)	
Well Potential				Trans. ($m^2/sec \cdot 10^{-3}$)	

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

Temp °C		pH		TDS		TSS		ODOR	
Color		Cu++		NH4+		NO3-		CO2	
Cond. $\mu S/cm$		Mg++		Zn++		NO2-		N2S	
Turbidity		Mn++		Cu++		CO3=		CH4	
Alkalinity		Fe++		HCO3-		PO4=		O2	
T. Hardness		Na+		SO4=		F-		B	
		K+		Cl-		SiO2		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31632-0003

16018

SCREEN 1: LOCATION

PCDB No	31632-0003	Source	MAR	Local No	16018	
Other No	Basin					
Longitude	120°47'00" X NY	63.4	X PTM	476.628	Basin Area	
Latitude	14°20'13" Y NY	8.0	Y PTM	1585.459	Loc. Method	OAL
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	TIMALAN	SPW				
Mun. Code	MAI MAIC	Year	1990	Pop	51,629	
Egy. Code		Pop	0			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. X6w (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		Drawn	Recov.
Duration (min)				Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (a-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ 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 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	A	GRUY SEAL ADOBE	I
20.3	A	YELLOW ADOBE	I
89.7	SS	SAND ROCK	S
88.7	S	QUICK SAND	U
93.2	C	SANDY GRAVEL	U

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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0234

PH 20 20 20

C-4

SCREEN 1: LOCATION

PCDB No	31632-0234	Source	NWRB/NIA	Local No	C-4
Other No	Basin				
Longitude	120°48'28" X MM	109.9	X PTM	479.267	Basin Area
Latitude	14°21'48" Y MM	66.4	Y PTM	1588.377	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	12.06	Accu.	UN
Addr/Owner	CALIBUTO	NIA			
Mun. Code	TAN TANZA	Year	1990	Pop	61,785
Reg. 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)
100.0	200	UN	0.00	60.0	UN			11.5	55.5
Comp Date	01/08/76	Level		Dev'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)	0.50	Static WL (mbmp)		4.60	MSL			7.96	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by		
Depth to Underside of Layer (m)	Form	F. Area	Logs	SP RS	
Code	Brief Description of Penetrated Strata			Perm. Class	
5.0	C a g	CLAY-SOME FINE SAND AND GRAVEL, SILTY			S
10.0	S g t	SAND-F-MED. GRAIN, SOME F. GRAVEL, TUFF			S
14.0	C a g	CLAY AND SANDY (F. GRAIN), SOME F. GRAVE			S
17.0	G a c	GRAVEL-PEBBLY, SOME SAND AND CLAY			U
21.0	C a g	CLAY, LITTLE GRAVEL AND SAND			I
24.0	C a g	CLAY-SANDY (F-MED. GRAIN), L. F. GRAVEL			S
55.0	T a	VOLCANIC TUFF, LAPILLATIC, SANDY			S
75.0	T a	VOLCANIC TUFF-SANDY			S
85.0	V	VOLCANIC ASH			S
100.0	T a	VOLCANIC TUFF-SANDY			S

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Elev (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	12/08/75	By		Drawda.	Recon.
Duration (min)	1740	Trans. (m ² /sec*10 ⁻³)		0.57	
Discharge (l/s)	9.50	OBSERVATION WELL NO.			
Total Drawdown (m)	9.07	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	1.0	Leakage (a-1*10 ⁻¹⁰)			
Well Potential	POOR	Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	12/08/75	pH	8.50	TDS	320.00	TSS		ODOR	
Color		Ca++	37.7	MN++		NO3-		CO2	
Cond. µS/cm	451	Hg++	13.4	Zn++		NO2-		H2S	
Temp °C	28.8	Mn++		Cu++		CO3=	4.80	CR4	
Turbidity		Fe++		HCO3-	246	PO4=		O2	
Alkalinity		Nat	28.5	SO4=	14.89	F-		B	
T. Hardness		K+	9.4	Cl-	11	SiO2		Pb	

SCREEN 7: GROUNDWATER LEVELS HISTORY

Date	Measuring Pt. (M.P)		M.P. ab. Ground		0.00		Period. m.	No
	GW Level BMP (m)	SWLI	GW Level NSL	Date	GW Level BMP (m)	SWLI		
02/20/76	5.05	No	7.01	01/19/78	5.45	No	6.61	
04/05/76	5.70	No	6.36	02/20/78	5.94	No	6.12	
05/11/76	5.92	No	6.14	03/15/78	6.10	No	5.96	
06/03/76	6.02	No	6.04	04/18/78	7.22	No	4.84	
06/12/76	5.93	No	6.11	05/25/78	6.35	No	5.71	
07/20/76	5.55	No	6.51	06/25/78	6.13	No	5.91	
08/25/76	5.35	No	6.71	07/25/78	6.67	No	5.39	
09/05/76	5.15	No	6.91	10/25/78	4.75	No	7.31	
11/05/76	5.24	No	6.82	11/25/78	4.37	No	7.69	
12/20/76	5.39	No	6.87	12/20/78	4.40	No	7.66	
01/20/77	5.48	No	6.58	01/12/79	4.65	No	7.41	
02/22/77	5.56	No	6.50	02/20/79	5.15	No	6.91	
03/27/77	6.24	No	5.82	03/21/79	5.37	No	6.69	
04/30/77	6.48	No	5.58	04/25/79	5.80	No	6.26	
05/25/77	5.59	No	6.47	05/23/79	5.85	No	6.21	
06/25/77	6.65	No	5.41	06/26/79	5.45	No	6.61	
07/25/77	6.47	No	5.59	07/18/79	5.08	No	6.98	

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

31632-0244

C-2

SCREEN 1: LOCATION

PCDB No	31632-0244	Source	MAR/NIA	Local No	C-2	
Other No	Basin					
Longitude	120°47'12" X NH	69.7	X PTM	476.989	Basin Area	
Latitude	14°21'22" Y NH	50.4	Y PTM	1587.580	Loc. Method	OLM
Prov. Code	CAV CAVITE	Cr. Elev	32.91	Accu.	UN	
Addr/Owner	PUNIA NIA					
Mun. Code	TAN TANZA	Year	1990	Pop	61,783	
Reg. Code		Pop			0	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. X6aw (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	07/02/76	By		Drawdn.	Recov.
Duration (min)	1440	Trans. (m ² /sec*10 ⁻³)		6.26	
Discharge (l/s)	15.60	OBSERVATION WELL NO.			
Total Drawdown (m)	4.33	Storage (%10 ⁻³)			
Sp. Cap. End Test (l/s/m)	3.6	Leakage (a ⁻¹ *10 ⁻¹⁰)			
Well Potential	GOOD	Trans. (m ² /sec*10 ⁻³)			

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Parf	Slot (mm)	Top (mbg)	Bot (mbg)
200.0	305	UN	0.00	46.0	UN	UP		46.0	35.0
	200	UN	46.0	163.0	UN	UP		61.0	64.0
					UN	UP		76.0	85.0
					UN	UP		91.0	109.0
					UN	UP		118.0	121.0
					UN	UP		130.0	151.0
					UN	UP		160.0	163.0

Comp Date	07/02/76	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	9.40	MSL					23.51

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

Samp. Date	10/28/75	pH	8.35	TDS	420.00	TSS		ODOR	
Color		Ca++	39.7	NH4+		NO3-		CO2	
Cond. µS/cm	609	Mg++	23.0	Zn++		NO2-		N2S	
Temp °C	29.5	Mn++		Cu++		CO3-	4.80	CH4	
Turbidity		Fe++		HCO3-	349	PO4n		O2	
Alkalinity		Na+	38.2	SO4n	20.17	F-		B	
T. Hardness		K+	10.2	Cl-	17	SiO2		Pb	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	Perm. Class
3.0	C			I
9.0	S			U
20.0	C			I
47.0	C			U
57.0	C			I
60.0	T			S
72.0	SM			I
90.0	SS			C
108.0	SM			I
116.0	C			U
130.0	V			S
133.0	T			S
138.0	V			S
142.0	T			S
145.0	V			S
154.0	T			S
158.0	SM			I
200.0	V			S

SCREEN 7: GROUNDWATER LEVELS HISTORY

Date	Measuring Pt. (M.P.)		M.P. ab. Ground		0.00	Period. m.	No
	GW Level BMP (m)	SWL?	GW Level MSL	Date			
05/18/76	10.20	No	22.71	04/18/78	10.12	No	22.79
07/20/76	10.10	No	22.81	05/25/78	10.19	No	22.72
08/10/76	9.65	No	23.26	06/23/78	9.93	No	22.98
08/20/76	9.45	No	23.46	07/25/78	9.84	No	23.07
09/02/76	9.51	No	23.40	10/28/78	9.95	No	22.96
11/12/76	9.44	No	23.47	11/25/78	9.09	No	23.82
12/13/76	9.42	No	23.49	12/25/78	9.29	No	23.62
02/12/77	9.43	No	23.48	01/15/79	9.45	No	23.46
02/23/77	9.55	No	23.36	02/25/79	9.47	No	23.44
03/25/77	10.05	No	22.86	03/22/79	9.64	No	23.27
04/22/77	10.50	No	22.41	04/25/79	9.78	No	23.13
05/22/77	10.54	No	22.37	05/25/79	9.76	No	23.15
06/21/77	10.37	No	22.54	06/25/79	9.65	No	23.26
07/25/77	10.18	No	22.73	07/20/79	9.60	No	23.31
09/15/77	9.67	No	23.24	08/29/79	9.37	No	23.34
10/15/77	9.56	No	23.35	09/15/79	9.29	No	23.42
11/25/77	9.53	No	23.38	10/12/79	9.29	No	23.62

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PH 88-01-001

31632-0384

SCREEN 1: LOCATION

PGPB No	31632-0384			Source	WHRB	Local No	
Other No							
Longitude	120°51'13	X NW	197.1	X PTM	484.213	Basin Area	
Latitude	14°23'39	Y NW	134.7	Y PTM	1591.784	Loc. Method	OAL
Prov. Code	CAY CAVITE			Gr. Elev	10.02	Accu.	UN
Addr/Owner	MUNICIPAL GROUND			TANZA WATER DISTRICT			
Mun. Code	TAN TANZA			Year	1990	Pop	61,785
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)
115.0	350	SS	0.00	35.0	SS	WW		35.0	41.0
	250	SS			SS	WW		44.0	47.0
	200	SS	35.0	115.0	SS	WW		53.0	56.0
					SS	WW		61.0	64.0
					SS	WW		68.0	71.0
					SS	WW		82.0	85.0
					SS	WW		87.0	93.0
					SS	WW		95.0	98.0
					SS	WW		103.0	111.0

Comp Date	10/27/90	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
H.P. ab. Ground (m)	1.15	Static WL (mbmp)	4.33	MSL	6.84				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
7.0	S 1		SILTY SAND	U
11.0	SH 1		SANDY SILTY SHALE	S
13.0	SHg		SHALE WITH GRAVEL	S
22.0	SSt 1		TUFFAC. SANDSTONE, SILTY SHALE WITH GRAVEL	C
26.0	S sbg		SHALEY SILTY WITH GRAVEL	S
33.0	SSt 1		TUFFAC. SANDSTONE, SILTY SHALE WITH GRAVEL	C
37.0	G c ss		CLAYEY GRAVEL WITH TUFFAC. SANDSTONE	U
45.0	SSt 1		TUFFAC. SANDSTONE, GRAVELLY SILT	G
46.0	SSt g		GRAVELLY TUFACEOUS SANDSTONE	C
54.0	SSt 1		TUFFAC. SANDSTONE, SILTY WITH GRAVEL	C
57.0	C sbss		SHALEY CLAY WITH TUFF. SANDSTONE	I
62.0	S12ss		FINE TO MED. SAND, TUFFAC. SANDSTONE	U
67.0	S SSt		F. TO M. SAND, TUFFAC. SANDSTONE WITH CLAY	U
75.0	SSt c		TUFFAC. SANDSTONE WITH SILTY CLAY	C
77.0	C		STICKY CLAY	I
90.0	C sbg		SHALEY CLAY WITH GRAVEL	I
94.0	S 1 c		F. TO MED. SAND, LIMESTONE CHIPS, SILTY CLAY	U
98.0	C sbg		SHALEY CLAY WITH GRAVEL AND SHELLS	S
115.0	S g c		MED. TO COARSE SAND W. GRAVEL, SHALEY CLAY	U

SCREEN 4: STEP DRANDOM PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. K _{av} (m)		Aquifer Loss Conf. B(sec/m ²)	
Specific Capacity (l/s/m)		Well Loss Const.-C(sec ² /m ⁵)	

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	10/27/90	By		Drawda.	Recov.
Duration (min)	2020	Trans. (m ² /sec*10 ⁻³)		3.94	
Discharge (l/s)	28.63	OBSERVATION WELL NO.			
Total Drawdown (m)	14.15	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	2.0	Leakage (*10 ⁻¹⁰)			
Well Potential	MEDIUM	Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	10/30/90	pH	7.30	TDS	330.00	TSS		ODOR	
Color	5	Ca ⁺⁺	28.0	MH4 ⁺		NO3 ⁻		CO2	
Cond. μS/cm	521	Hg ⁺⁺	15.0	Zn ⁺⁺		NO2 ⁻		H2S	
Temp °C	25.0	Mn ⁺⁺	0.20	Cu ⁺⁺		CO3 ⁻		CH4	
Turbidity	3.20	Fe ⁺⁺		NO3 ⁻	274	PO4 ⁼		O2	
Alkalinity	224.0	Na ⁺		SO4 ⁼	14.00	F ⁻		B	
T. Hardness		K ⁺		Cl ⁻	20	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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. 1 (REV. 1988)

31632-0251

C-11

SCREEN 1: LOCATION

PCDS No	31632-0251	Source	MWB	Local No	C-11
Other No	Basin				
Longitude	120°49'28" X MM	141.6 X PTM	481.063	Basin Area	
Latitude	14°20'12" Y MM	7.4 Y PTM	1585.425	Loc. Method	
Prov. Code	CAY CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	TRES CRUZES	NIA			
Mun. Code	TAM TANZA	Year	1990	Pop	61,785
Reg. 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)
250.0	305	UM	0.00	42.0	UN			30.0	42.0
	204	UM	42.0	204.0	UN			48.0	54.0
					UN			60.0	66.0
					UN			84.0	96.0
					UN			132.0	144.0
					UN			150.0	174.0
					UN			180.0	204.0

Comp Date	/ /	Level	Own'p	Type	Use
Operating	Lift. Device	Gravel Pack (mm)			
M.P. ab. Ground (m)	Static WL (mbmp)	12.52	MSL	-12.52	

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

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. R _{60w} (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (a*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μS/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁻	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ^m	O ₂
Alkalinity	Na ⁺	SO ₄ ^m	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SI0 ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0227

16032

SCREEN 1: LOCATION

PGDB No	31632-0227	Source	NWRB	Local No	16032	
Other No						
Longitude	120°49'56" X NM	156.4	X PTM	481.906	Basin Area	
Latitude	14°23'08" Y NM	115.6	Y PTM	1590.833	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	5.00	Accu.	MR
Addr/Owner	AMAYA		BPW			
Mun. Code	TAN TANZA		Year	1990	Pop	61,785
Rgy. Code			Pop	0		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. X _{50%} (m)	Aquifer Loss Conf. 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	Drawda.	Recov.
Duration (min)	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)	OBSERVATION WELL NO.		
Total Drawdown (m)	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)	Leakage (s ⁻¹ *10 ⁻¹⁰)		
Well Potential	Trans. (m ² /sec*10 ⁻³)		

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing φ (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
131.7									

Comp Date	08/12/57	Level		Ova'p	Type	Use
Operating?		Lift. Device		Gravel Pack φ (mm)		
M.P. ab. Ground (m)		Static ML (m)		MSL		

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

Temp °C	pH	IDS	TSS	DOOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μS/CM	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Turbidity	Na ⁺⁺	Cu ⁺⁺	CO ₃ ⁻	CH ₄
Alkalinity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁻	O ₂
T. Hardness	Na ⁺	SO ₄ ⁻	F ⁻	B
	K ⁺	Cl ⁻	SIO ₂	Pb

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by	
Depth to Underside of Layer (m)	Form.	F. Area	
	Code	Logs	
	Brief Description of Penetrated Strata		
		Perm. Class	
6.1	C	GROUT SEAL (CLAY)	I
12.2	SS	SAND ROCK	C
18.3	S	SAND	U
48.7	A	ADOBE ROCK	I
70.1	A	ADOBE	I
91.4	SS	SAND ROCK	C
103.6	A	ADOBE	I
115.8	A	BLACK ADOBE	I
121.9	A	ADOBE	I
131.7	SS	SAND ROCK	C

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

PH 10 1988

31632-0238

16027

SCREEN 1: LOCATION

PCDB No	31632-0238	Source	MWB	Local No	16027		
Other No	Basin						
Longitude	120°50'40	X NW	179.6	X PTN	483.225	Basin Area	
Latitude	14°24'18	Y NW	158.7	Y PTN	1592.983	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	1.00	Accu.	HR	
Addr/Owner	NULUGAN		BPM				
Mun. Code	TAM TANZA		Year	1990	Pop	61,785	
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)
70.1									
Comp Date	08/17/57	Level		Own'p		Type			Use
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	1.52	MSL					-0.52

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	X		GROUT SEAL	I
12.2	C		CLAY	U
15.2	C		SANDY GRAVEL	
70.1	A		ADOBE	I

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. H _{sw} (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. µS/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31632-0245

16034

SCREEN 1: LOCATION

PGDR No	31632-0245	Source	NWRB	Local No	16034
Other No	Basin				
Longitude	120°50'10" X NH	163.8 X PTH	482.324	Basin Area	
Latitude	14°22'20" Y NW	86.1 Y PTH	1589.358	Loc. Method	OLC
Prov. Code	CAV CAVITE	Cr. Elev	10.00	Accu.	HR
Addr/Owner	SANGA MAYOR	BPW			
Mun. Code	TAN TANZA	Year	1990	Pop	61,785
Egy. Code		Pop	0		

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)	
129.6										
Comp Date		08/19/57	Level		Own'p	Type	Use			
Operating?		Lift. Device	Gravel Pack ϕ (mm)							
H.P. ab. Ground (m)		Static WL (mbmp)		10.67	HSL	-0.67				

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		
12.2	C	CLAY		I
18.2	A	ADOBE		S
24.3	A	HARD ADOBE		S
32.0	A	ADOBE		I
50.9	A	ADOBE ROCK		S
57.6	S	QUICKSAND		U
73.1	C	CLAY		I
94.5	A	ADOBE		I
120.4	A	ADOBE ROCK		S
129.5	A	BLACK ADOBE ROCK		S

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. x ₁₀ w (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)	0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	0.94	OBSERVATION WELL NO.	
Total Drawdown (m)	0.61	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	1.5	Leakage (a-1*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	Mg ⁺⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Mn ⁺⁺	Cu ⁺⁺	NO ₂ ⁻	N ₂ S
Temp °C	Fe ⁺⁺	MO ₃ ⁻	PO ₄ ⁼	CH ₄
Turbidity	NH ₄ ⁺	SO ₄ ⁼	F ⁻	B
Alkalinity	Cl ⁻	SI ₀₂	Pb	
T. Hardness				

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (N.P.)	H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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. 10-80

31632-0336

SCREEN 1: LOCATION

PCDR No	31632-0336	Source	BRS	Local No	
Other No	Basin				
Longitude	120°51'16" X NY	198.7 X PTH	484.301	Basin Area	
Latitude	14°22'26" Y NY	89.8 Y PTH	1589.541	Loc. Method	OAL
Prov. Code	CAY CAVITE		Gr. Elev	18.00	Accu. YR
Addr/Owner	SANJA MAYOR B		DPWH		
Mun. Code	TAN TANZA	Year	1990	Pop	61,785
Reg. Code				Pop	0

SCREEN 4: STEP DRAWDOWN PUMPING TEST

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

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)
36.6	50	UM	0.00	18.3				
Comp Date	/ /	Level		Own'p	Type			Use
Operating?		Lift. Device		Gravel Pack ϕ (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	2.44	MSL				15.56

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

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

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

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

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by	
Depth to Underside of Layer (mbg)	Form. Code	Brief Description of Penetrated Strata	Perm. Class
5.5	EA	LOAM SOIL	U
9.1	C	BROWN CLAY	I
18.3	S	SAND	U
30.5	A	BLACK ADOBE	I
36.6	R	HARD ROCK	I

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

32624-0028

20717

SCREEN 1: LOCATION

PCDB No	32624-0028	Source	MWRA	Local No	20717		
Other No.	Basin						
Longitude	121°01'45	X MM	59.2	X PTM	503.147	Basin Area	
Latitude	14°18'55	Y MM	329.0	Y PTM	1583.052	Loc. Method	OAL
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Addr/Owner	SAM GABRIEL (AREA F)		BFW				
Man. Code	CAR CARMONA		Year	1990	Pop	28,247	
Rgy. Code			Year		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)	
118.0									
Comp Date		/ /	Level		Own'p	Type	Use		
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbop)		64.02	MSL	-64.02			

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
12.2	A	BROWN ADOBE			
61.0	A	BLACK ADOBE			
79.2	S	FINE SAND			
152.4	SS	SANDSTONE			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. X _{50w} (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)	0	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)	0.63	OBSERVATION WELL NO.		
Total Drawdown (m)	1.54	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)	0.4	Leakage (s-1*10 ⁻¹⁰)		
Well Potential		Trans. (m ² /sec*10 ⁻³)		

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. µS/cm	Hg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Hn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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

32624-0069

177304

SCREEN 1: LOCATION

PCRB No	32624-0069	Source	NWRB	Local No	177304
Other No		Basin			
Longitude	121°01'21	X NY	45.6	X PTM	502.427
Latitude	14°18'35	Y NY	316.7	Y PTM	1582.437
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	SAN GABRIEL	BPW			
Mun. Code	CAR CARMONA	Year	1990	Pop	28,247
Egy. Code				Pop	0

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)
194.5									
Comp Date	03/31/73	Level		Own'p		Type			Use
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
H.P. ab. Ground (m)		Static WL (mbwp)				HSL			

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	Described by	
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perw. Class
4.6	C	STICKY CLAY			
18.6	C a	ADOBE CLAY			
30.5	S G c	SAND AND GRAVEL WITH CLAY			
41.2	C	STICKY CLAY			
53.4	C a	ADOBE CLAY			
61.0	SS	SAND ROCK			
73.2	C a	SANDY CLAY			
83.8	C	STICKY CLAY			
100.6	C a	ADOBE CLAY			
109.8	R	SOLID ROCK			
118.9	C	STICKY CLAY			
122.0	C a	ADOBE CLAY			
128.1	C	CLAY			
135.7	SS	SAND ROCK			
141.8	C a	ADOBE CLAY			
152.5	SS	SAND ROCK			
158.6	C a	ADOBE CLAY			
164.7	SS	SAND ROCK			
173.3	C	CLAY			
177.8	SS	SAND ROCK			
183.4	C a	ADOBE CLAY			
194.5	SS	SANDSTONE			

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 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. ($m^2/sec \cdot 10^{-3}$)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage ($\cdot 10^{-3}$)	
Sp. Cap. End Test (l/s/m)				Leakage ($s \cdot 10^{-10}$)	
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 ⁺⁺		NH ₄ ⁺		NO ₃ ⁻		CO ₂	
Cond. $\mu S/cm$		Hg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		H ₂ S	
Temp °C		Mn ⁺⁺		Cu ⁺⁺		CO ₃ ⁼		CH ₄	
Turbidity		Fe ⁺⁺		HCO ₃ ⁻		PO ₄ ⁼		O ₂	
Alkalinity		Na ⁺		SO ₄ ⁼		F ⁻		B	
T. Hardness		K ⁺		Cl ⁻		SiO ₂		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

32624-0082

BH3

SCREEN 1: LOCATION

PGDB No	32624-0082	Source	PCC	Local No	BH3
Other No	PCC3	Basin			
Longitude	121°01'25 X NM	47.9 X PTH	502.548	Basin Area	
Latitude	14°15'46 Y NM	212.8 Y PTH	1577.244	Loc. Method	OLM
Prov. Code	CAV CAVITE	Gr. Elev	171.00	Accu.	UN
Addr/Owner	CARMONA LANDFILL				
Mun. Code	CAR CARMONA	Year	1990	Pop	28,247
Reg. 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)
40.0	100	UM	0.00	40.0				

Comp Date	/ /	Level	Own'p	Type	ABD	Use
Operating		Lift. Device	Gravel Pack (mm)			
M.F. ab. Ground (m)		Static ML (mbmp)	8.20	HSL	162.80	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
2.0	C 1	SILTY CLAY		I
8.0	C 1	GRAVEL AND SAND		U
12.0	S v C	TUFFACEOUS SAND AND GRAVEL		U
17.0	S	SAND		U
18.0	C 1	GRAVEL AND SAND		U
19.0	V	VOLCANIC ASH		S
22.5	A	SILTY TUFF		S
39.0	V	COARSE-GRAINED TUFF		C
40.0	C 1	GRAVEL AND SAND		U

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Rsw (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (a-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date		pH		TDS		TSS		ODOR
Color		Ca ⁺⁺		MH ⁴⁺		NO ₃ ⁻		CO ₂
Cond. μS/cm		Mg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		H ₂ S
Temp °C		Mn ⁺⁺		Cu ⁺⁺		CO ₃ ⁼		CR ₄
Turbidity		Fe ⁺⁺		HCO ₃ ⁻		PO ₄ ⁼		O ₂
Alkalinity		Na ⁺		SO ₄ ⁼		F ⁻		B
T. Hardness		K ⁺		Cl ⁻		SiO ₂		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

Date: _____

32624-0048

SCREEN 1: LOCATION

PGDB No	32624-0048	Source	MWRB/PM 11694	Local No		
Other No		Basin				
Longitude	121°02'22" X MW	80.0	X PTM	504.255	Basin Area	
Latitude	14°19'20" Y MW	344.4	Y PTM	1583.820	Loc. Method	OLM
Prov. Code	CAVAYITE		Gr. Elev	0.00	Accu.	
Addr/Owner	SUNSHINE HOMES		ASIATIC DEVELOPMENT CORP.			
Mun. Code	GEN. GEN. M. ALVAREZ		Year	1990	Pop	65,977
Reg. Code					Pop	0

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)
152.4	152	UM	0.00	152.4	UM			79.2	146.3
Comp Date	/ /	Level	Own'p	Type	Use				
Operating?		Lift. Device	Gravel Pack ϕ (mm)						
M.P. ab. Ground (m)		Static WL (mbmp)	82.32	MSL	-82.32				

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by	
Depth to Underole of Layer (mbg)	Form. Code	Brief Description of Penetrated Strata	Perm. Class
17.2	A	BROWN ADOBE	
61.0	A	BLACK ADOBE	
79.3	S1	FINE SAND	
152.4	SS	SANDSTONE	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. 286w (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*10 ⁻³)
Discharge (l/s)		OBSERVATION WELL NO.
Total Drawdown (m)		Storage (*10 ⁻³)
Sp. Cap. End Test (l/s/m)		Leakage (s ⁻¹ *10 ⁻¹⁰)
Well Potential		Trans. (m ² /sec*10 ⁻³)

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

Samp. Date	pH	TDS	TSS	DOOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Na ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Mn ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

32624-0013

9491

SCREEN 1: LOCATION

PQDB No	32624-0013	Source	MWRB	Local No	9491
Other No	Basin				
Longitude	121°01'45" X MM	59.2	X PTM	503.148	Basin Area
Latitude	14°12'55" Y MM	107.6	Y PTM	1571.989	Loc. Method
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Add/Owner	PUSING KANoy		BFW		
Mun. Code	SIL SILANG		Year	1990	Pop
Bgy. Code			Pop	93,790	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
100.0								
Comp Date	06/19/57	Level		Own'p	Type	Use		
Operating?		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)	57.01	MSL	-57.01			

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area
	Code	Brief Description of Penetrated Strata
1.8	ZA	TOP SOIL
10.7	A	ADOBE
20.1	A	DECAYED ADOBE
28.1	C	BROWN CLAY
38.4	A	ADOBE
42.1	SS	SAND ROCK
48.2	C	RED STICKY CLAY
56.7	C	YELLOW STICKY CLAY
61.9	A	DECAYED ADOBE
72.6	C #	CLAY WITH SAND
83.5	C #	CLAY WITH GRAVEL
86.6	C # #	CLAY WITH GRAVEL AND SAND
87.8	S3	COARSE SAND
100.0	SS	SANDSTONE

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. E _{10w} (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	Drawds.	Recor.
Duration (min)	0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)	0.38	OBSERVATION WELL NO.	
Total Drawdown (m)	1.52	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)	0.2	Leakage (u*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Temp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	MH ⁴⁺	MO ³⁻	CO ²
Cond. µS/cm	Hg ⁺⁺	Zn ⁺⁺	NO ²⁻	NO ³⁻
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ³⁻	CH ⁴
Turbidity	Fe ⁺⁺	HCO ³⁻	PO ⁴⁻	O ²
Alkalinity	Na ⁺	SO ⁴⁻	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ²	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

32624-0008

SCREEN 1: LOCATION

FGDB No	32624-0008	Source	MWRB	Local No	
Other No		Basin			
Longitude	121°00'45" X NW	25.4	X PTM	501.349	Basin Area
Latitude	14°11'10" Y NW	43.1	Y PTM	1568.762	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	OAL
Addr/Owner	LUMIL	BWP			
Mun. Code	SIL SILANG	Year	1990	Pop	93,790
Reg. Code		Pop			0

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)
106.7	100	UN	0.00	106.7					

Comp Date	10/30/84	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	67.06	MSL				-67.06	

SCREEN 3: STRATA LOG DATA

Driller	Drill. Method	Described by

Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
3.1	EA		TOP SOIL	
15.2	C		RED CLAY	
27.4	B		BOULDER	
36.6	A		ADOBE	
45.7	C		BROWN CLAY	
51.8	A		ADOBE	
64.0	C a		SANDY CLAY	
79.2	C		BROWN CLAY	
106.7	C a		SANDY CLAY	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ saw (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)		8640		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		1.50		OBSERVATION WELL NO.	
Total Drawdown (m)		17.68		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		0.0		Leakage (a-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ 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. (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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0601

SCREEN 1: LOCATION

PCDB No	31621-0601	Source	LMUA			Local No	
Other No	WELL #2		Basin				
Longitude	120°57'57" X MM	464.4	X P3M	496.313	Basin Area		
Latitude	14°16'23" Y MM	235.5	Y P7M	1578.381	Loc. Method		
Prov. Code	CAV CAVITE			Gr. Elev	184.00	Accu.	
Addr/Owner	MALINTA, DASHARINAS			DASHARINAS WATER DISTRICT			
Mun. Code	DAS DASHARINAS			Year	1990	Pop	136,556
Bgy. Code				Pop	0		

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slor (mm)	Top (mbg)	Bot (mbg)
102.0	400	ST	0.00	99.0	SS WW	1.5	70.0	76.0
188.0	350	ST	99.0	188.0	SS WW	1.5	85.0	91.0
					SS WW	1.5	102.0	108.0
					SS WW	1.5	114.0	117.0
					SS WW	1.5	122.0	125.0
					SS WW	1.5	127.0	130.0
					SS WW	1.5	139.0	145.0
					SS WW	1.5	148.0	154.0
					SS WW	1.5	158.0	164.0
					SS WW	1.5	178.0	184.0

Comp Date	12/21/86	Level		Own'p	PUB	Type	DW	Use
Operating?		Lift. Device	SP	Gravel Pack (mm)			3.0	5.0
M.P. ab. Ground (m)	1.00	Static WL (mbag)		52.40	MSL		132.60	

SCREEN 3: STRATA LOG DATA

Driller	CERTEZA		Drill. Method	RD	Described by	CS
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	PE SP RS		
	Code	Brief Description of Penetrated Strata				Perm. Class
6.0	C a	BROWN SANDY CLAY				
11.0	SSc	SANDSTONE WITH CLAY				
25.0	SSpuc	SANDSTONE WITH VOLCANIC PUMICE AND CLAY				
49.0	AGC	FINE TO COARSE GRAINED TUFFACEOUS AGGLOMERATES				
80.5	S1S2t	DARK GRAY FINE TO MED. SAND WITH TUFF				
92.5	S2S3t	MEDIUM TO COARSE SAND WITH TUFF				
121.0	S1S3t	FINE TO COARSE SAND WITH TUFF AND MUDSTONE				
136.0	S1S2t	DARK GRAY FINE TO MED. GRAINED SAND WITH TUFF				
146.0	S1S2t	FN. TO MED. DARK GRAY SAND W/ TUFF & MUDSTONE				
163.0	K t	TUFFACEOUS CONGLOMERATE AND MUDSTONE				
191.5	S t c	DARK GRAY FN TO CRS SAND AND WITH TUFF & CLAY				
200.0	S1S2C	FINE TO MEDIUM SAND AND CLAY WITH MUDSTONE				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	12/11/86	By	DR	No Steps / Duration (min)	5/00
Q Max (l/s)		20.00	Transmissiv. (m ² /sec*10 ⁻³)		
Total Spec. Drawd. Estw (m)		9.04	Aquifer Loss Coef. B(sec/m ²)		
Specific Capacity (l/s/m)		2.21	Well Loss Const.-C(sec ² /m ⁵)		
			0		

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	12/17/86	By	DR	Drawdn.	Recov.
Duration (min)		2880	Trans. (m ² /sec*10 ⁻³)		2.60 3.20
Discharge (l/s)		18.18	OBSERVATION WELL NO.		
Total Drawdown (m)		7.43	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)		2.4	Leakage (s ⁻¹ *10 ⁻¹⁰)		
Well Potential		MEDIUM	Trans. (m ² /sec*10 ⁻³)		

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

Samp. Date	01/14/87	pH	6.62	TDS	256.00	TSS		ODOR
Color	15	Ca ⁺⁺	40.4	MN ⁴⁺		NO ₃ ⁻		CO ₂
Cond. µS/cm		Mg ⁺⁺	7.3	Zn ⁺⁺		NO ₂ ⁻		H ₂ S
Temp °C		Mn ⁺⁺	0.60	Cu ⁺⁺		CO ₃ ⁻		CH ₄
Turbidity	24.40	Fe ⁺⁺	0.02	HCO ₃ ⁻	189	PO ₄ ^m		O ₂
Alkalinity	155.0	Na ⁺	36.0	SO ₄ ⁻	9.00	F ⁻		B
T. Hardness	131	K ⁺		Cl ⁻	18	SiO ₂		Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.F)	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)
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SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)
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62 SUPPLEMENTARY WELLS



PHILIPPINE GROUNDWATER DATABASE WELL RECORD

44 R. 1. 1. 1. 1. 1.

31621-0615

SCREEN 1: LOCATION

IGDB No	31621-0615	Source		Local No	
Other No	WELL NO.2	Basin			
Longitude	120°55'49" X MM	387.9	X PTM	492.478	Basin Area
Latitude	14°18'31" Y MM	314.3	Y PTM	1582.315	Loc. Method
Prov. Code	CAY CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	LANCAAAN, DASHARINAS	CITY HOMES RESORT VILLE			
Mun. Code	DAS DASHARINAS	Year	1990	Pop	136,556
Rgy. Code	005 Langkaan	U	Pop	3,206	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
182.0	300		0.00	182.0	UN			92.0	104.0
					UN			110.0	122.0
					UN			134.0	158.0
					UN			170.0	176.0

Comp Date	11/28/93	Level		Ovn'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	16.46	HSL	-16.46				

SCREEN 3: STRATA LOG DATA

Driller	ROSS MAN	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP RS	
Code	Brief Description of Penetrated Strata				Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (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	11/28/93	By	DR	Drawdn.	Recov.
Duration (min)			1440	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)			13.25	OBSERVATION WELL NO.	
Total Drawdown (m)			13.4	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)			0.9	Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)		M.P. ab. Ground		Period. m.			
Date	CW Level BHP (m)	SWL7	CW Level HSL	Date	CW Level BHP (m)	SWL7	CW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0608

SCREEN 1: LOCATION

FGDB No	31621-0608	Source	AQUA-DYNE			Local No	
Other No	Basin						
Longitude	120°55'56" X MM	392.1	X PTM	492.688	Basin Area		
Latitude	14°18'27" Y MM	311.8	Y PTM	1582.192	Loc. Method		
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Addr/Owner	SOLAR NOMES						
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556	
Egy. Code					Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE									
Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
213.0	200		0.00	213.0	UN			117.0	123.0
					UN			129.0	135.0
					UN			147.0	150.0
					UN			156.0	159.0
					UN			171.0	174.0
					UN			186.0	192.0
					UN			198.0	207.0

Comp Date	07/10/93	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)		HSL					

SCREEN 3: STRATA LOG DATA

AQUA-DYNE									
Driller	Drill. Method			Described by					
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP	RS	Perm. Class			
Code	Brief Description of Penetrated Strata								

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Hex (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. 15aw (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	ISS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4m	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0604

SCREEN 1: LOCATION

PCRB No	31621-0604	Source	POWER SUPPLY WHG		Local No	
Other No	WELL #2	Basin				
Longitude	120°57'44" X MM	456.6	X PTH	495.924	Basin Area	
Latitude	14°16'56" Y MM	255.8	Y PTH	1579.395	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accur.	
Addr/Owner	BGY. BUCAL, DASHMARINAS		IGLESIA NI CRISTO			
Mun. Code	DAS DASHMARINAS		Year	1990	Pop	136,556
Reg. 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)
183.0	300	BI	0.00	183.0	UN			45.0	63.0
					UN			69.0	75.0
					UN			78.0	96.0
					UN			102.0	108.0
					UN			117.0	123.0
					UN			126.0	132.0
					UN			141.0	147.0
					UN			159.0	171.0

Comp Date	03/09/92	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack # (mm)					
M.P. ab. Ground (m)	0.70	Static WL (mbmp)	32.25	HSL					-31.55

SCREEN 3: STRATA LOG DATA

Driller	PSWMC	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs
Code	Brief Description of Penetrated Strata		Pccm. Class
3.0	EAC	TOP SOIL BROWNISH CLAY	
9.1	SSK 1	CONGLOMERATE SANDSTONE WITH VOL. CINDER SILTY	
12.0	S SSt	MED. TO CRS. SAND W/ GRAVELLY TUFF. SANDSTONE	
30.5	S S	MED. TO CRS. SAND W/ GRAVEL CHIPS VOL. CINDER	
34.0	C	DARK GRAY PLASTIC CLAY	
37.0	V g c	GRAVELLY VOL. CINDER WITH SILTY CLAY	
43.0	V g i	GRAVELLY VOLCANIC CINDER SILTY	
55.0	S v g	MED. TO CRS. SAND WITH GRAVELLY VOL. CINDER	
92.0	S v	MED. TO CRS. SAND WITH VOLCANIC CINDER	
122.0	C i T	SILTY CLAY, SANDY VOLCANIC TUFF	
131.0	S v	MED. TO CRS. SAND WITH VOLCANIC CINDER	
134.0	SSpuv	PUMICEOUS SANDSTONE WITH VOLCANIC CINDER SILTY	
146.0	C i T	SILTY CLAY WITH GRAVELLY VOLCANIC TUFF	
156.0	SSt 1	SHALY TUFFACEOUS SANDSTONE SILTY	
162.0	S v	MED. TO CRS. SAND W/ VOL. CINDER TRA. OF SHALE	
168.0	S v	FINE TO MED. SAND WITH VOLCANIC CINDER	
171.0	C i v	SILTY CLAY WITH VOLCANIC CINDER	
183.0	SSt	HARD SHALE WITH GRAVELLY TUFFACEOUS SANDSTONE	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Edaw (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	03/07/92	By	DR	Drawdn.	Recov.
Duration (min)	1975	Trans. (m ² /sec*10 ⁻³)		3.48	3.82
Discharge (l/s)	16.11	OBSERVATION WELL NO.			
Total Drawdown (m)	19.58	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	0.8	Leakage (s ⁻¹ *10 ⁻¹⁰)			
Well Potential	MEDIUM	Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	pH	TDS	TSS	ODOR
	7.03	200.00		
Color	Ca++ 34.0	MH4+	NO3-	CO2
Cond. µS/cm	Mg++ 430	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++ 0.10	HCO3-	PO4=	O2
Alkalinity	Na+ 294.0	SO4=	13.00	F-
T. Hardness	K+ 146	Cl-	2	SI02
				Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)	H.P. ab. Ground		Period. m.				
	GW Level BMP (m)	SWL?	GW Level HSL	Date			
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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0605

SCREEN 1: LOCATION

PGDB No	31621-0605	Source	LMUA		Local No	
Other No	MHA WELL #5		Basin			
Longitude	120°57'30 X MM	648.3	X PTM	495.505	Basin Area	
Latitude	14°19'49 Y MM	362.2	Y PTM	1584.711	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Add/Owner	BCY. BUKOL II, DBB		DASHMARINAS WATER DISTRICT			
Mun. Code	DAS DASHMARINAS		Year	1990	Pop	136,556
Egy. Code	020 Butol		U	Pop	7,104	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth	Casing # (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
91.5	200		0.00	91.5	UN			65.5	67.1
182.9	150		91.5	182.9	UN			70.1	71.6
					UN			73.2	74.7
					UN			80.8	85.4
					UN			100.6	103.7
					UN			105.2	106.7
					UN			108.2	109.8
					UN			117.4	123.5
					UN			135.7	138.7
					UN			146.3	147.9
Comp Date	02/08/81	Level		Own'p	Type			Use	
Operating?	Y	Lift. Device		Gravel Pack # (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	31.10	MSL					-31.10

SCREEN 3: STRATA LOG DATA

Driller	SHAMROCK	Drill. Method		Described by	GS
Depth to Under Side of Layer (mbg)	Form.	F. Area	Logs	SP RS	
	Code	Brief Description of Penetrated Strata			Perm. Class
9.1	T g	GRAVELLY TUFF (MED)			
15.2	G t	CHIPS OF GRAVEL WITH GRAVEL TUFF CRS.			
21.3	G c i	CHIPS OF GRAVEL (CRS.) WITH SILTY CLAY			
24.4	G c s	CHIPS OF GRAVEL (MED.) W/ SOME SANDY CLAY			
27.4	C s	SANDY CLAY			
39.6	C	CLAY			
42.7	C s g	SANDY CLAY W/ SOME GRAVEL			
51.8	T v g	VOLCANIC TUFF (MED) W/ CHIPS OF GRAVEL			
57.9	T v c	VOLCANIC TUFF (MED) WITH SILTY CLAY			
61.0	C g	CLAY WITH SOME CHIPS OF GRAVEL (MED.)			
67.1	C	CLAY			
70.1	Sst	TUFFACEOUS SANDSTONE			
73.2	C s	SANDY CLAY			
76.2	G c s	CHIPS OF GRAVEL W/SANDY CLAY			
79.3	G	CHIPS OF GRAVEL			
85.4	C	CLAY			
97.6	C	CLAY			
100.6	C s	SANDY CLAY			
115.8	C t s	CLAY WITH SANDY TUFF			
118.9	T	TUFF			
125.0	G s	CHIPS OF GRAVEL WITH SAND			
128.0	C i	SILTY CLAY			
158.5	C	CLAY			
161.6	C i	SILTY CLAY			
164.6	C	CLAY			
167.7	G	CHIPS OF GRAVEL			
170.7	G c s	CHIPS OF GRAVEL WITH SANDY CLAY			
173.8	C	CLAY			
176.8	C	CHIPS OF GRAVEL			
182.9	C	CLAY			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Elev (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	02/08/81	By	DR		Drawdn.	Recov.
Duration (min)		1440	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)		22.40	OBSERVATION WELL NO.			
Total Drawdown (m)		5.79	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)		3.8	Leakage (a-1*10 ⁻¹⁰)			
Well Potential			Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	08/18/93	pH		TDS	261.00	TSS		ODOR	
Color		Ca++	32.0	MH4+		NO3-		CO2	
Cond. µS/cm	408	Hgt+	17.0	Zn++		NO2-		N2S	
Temp °C	27.0	Mn++		Cu++		CO3=		CH4	
Turbidity	0.80	Fe++	0.30	HCO3-	210	PO4=		O2	
Alkalinity	172.0	Na+		SO4=	12.00	F-		B	
T. Hardness	149	K+		Cl-	32	SiO2		Pb	

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)		H.P. ab. Ground		Period. m.			
Date	GW Level BHP (m)	SWL7	GW Level MSL	Date	GW Level BHP (m)	SWL7	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)
02/08/81	85.20						
05/14/93	78.00						
07/16/93	80.00						
09/18/93	68.30						

SCREEN 9: CHLORIDE CONTENT HISTORY

Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)	Date	CL (ppm)
09/18/93	2						

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0622

SCREEN 1: LOCATION

PGDR No	31621-0622	Source	PIWDC		Local No	
Other No	WELL #2	Basin				
Longitude	120°58'30" X MH	484.1	X PTM	497.303	Basin Area	
Latitude	14°17'40" Y MH	282.9	Y PTM	1580.747	Loc. Method	
Prov. Code	CAY CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	PALIPARAN, DASHARINAS		MANILA MEMORIAL PARK			
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,536
Bgy. Code	008 Paliparan		U	Pop	3,760	

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)
244.0	400	250	0.00	244.0	UN			102.0	114.0
					UN			120.0	123.0
					UN			132.0	141.0
					UN			144.0	150.0
					UN			159.0	165.0
					UN			177.0	189.0
					UN			222.0	234.0
Comp Date	/ /	Level	Ouv'p	Type	Use				
Operating?	Lift. Device		Gravel Pack ϕ (mm)						
M.P. ab. Ground (m)	Static WL (mbmp)		35.06	MSL	-35.06				

SCREEN 3: STRATA LOG DATA

Driller	PIWDC	Drill. Method	Described by		
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs		
Code	Brief Description of Penetrated Strata			Perm. Class	
30.5	T a	SANDY TUFF			
67.1	S t	TUFFACEOUS SAND			
91.5	S i	SILTY SAND			
128.0	S	SAND			
158.5	S C	ALTERNATING SAND AND CLAY			
195.1	S i	SILTY SAND			
219.5	C i	SILTY CLAY			
244.0	I s	SANDY SILT			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. E _{ssw} (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)	0	Trens. (m ² /sec*10 ⁻³)			
Discharge (l/s)	20.82	OBSERVATION WELL NO.			
Total Drawdown (m)	21.60	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	0.9	Leakage (a-1*10 ⁻¹⁰)			
Well Potential		Trens. (m ² /sec*10 ⁻³)			

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

Temp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	NO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SI0 ₂	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0607

SCREEN 1: LOCATION

PGDB No	31621-0607	Source	PIWDC	Local No	
Other No	WELL #3	Basin			
Longitude	120°58'37" X <i>PM</i>	488.3	X <i>PTM</i>	497.513	Basin Area
Latitude	14°17'45" Y <i>PM</i>	286.0	Y <i>PTM</i>	1580.900	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	PALIPARAN, DASHMARINAS		MANILA MEMORIAL PARK		
Mun. Code	DAS DASHMARINAS	Year	1990	Pop	136,556
Bgy. Code	008 Paliparan		U	Pop	3,760

SCREEN 2: WELL CONSTRUCTION DATA

PIWDC

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
244.0	400	250	0.00	244.0	UN		63.0	72.0
					UN		78.0	87.0
					UN		90.0	93.0
					UN		99.0	108.0
					UN		114.0	117.0
					UN		126.0	135.0
					UN		141.0	144.0
					UN		162.0	165.0
					UN		180.0	183.0
					UN		195.0	201.0

Comp Date	/ /	Level	Own'p	Type	Use
Operating?		Lift. Device		Gravel Pack ϕ (mm)	-
H.P. ab. Ground (m)		Static WL (mbmp)	29.52	MSL	-29.52

SCREEN 3: STRATA LOG DATA

PIWDC

Driller	PIWDC	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs SP RS
	Code	Brief Description of Penetrated Strata	
40.0	T #	SANDY TUFF	
90.0	S	SAND	
99.0	C #	SANDY CLAY	
138.0	S	SAND	
195.0	S C	ALTERNATING SAND AND CLAY	
215.0	S i	SILTY SAND	
244.0	I #	SANDY SILT	
			Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ sw (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

PIWDC

Date	/ /	By	DR	Drawdn.	Recov.
Duration (min)		0		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		23.16		OBSERVATION WELL NO.	
Total Drawdown (m)		41.31		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		0.5		Leakage (a-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Hg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	N ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.P.)		H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0603

SCREEN 1: LOCATION

PCDB No	31621-0603	Source	PIWDC	Local No	
Other No	WELL #4	Basin			
Longitude	120°58'35" X	487.1	X PTM	497.453	Basin Area
Latitude	14°17'35" Y	279.8	Y PTM	1580.593	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	PALIPARAN, DASHARINAS	MANILA MEMORIAL PARK			
Mun. Code	DAS DASHARINAS	Year	1990	Pop	136,556
Rgy. Code	008 Paliparan	U	Pop	3,760	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth # (mm)	Casing # (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
240.0	400	250	0.00	240.0	UN			84.0	93.0
					UN			102.0	117.0
					UN			129.0	141.0
					UN			150.0	156.0
					UN			171.0	183.0
					UN			216.0	234.0

Comp Date	/ /	Level	Own'p	Type	Use
Operating?		Lift. Device		Gravel Pack # (mm)	-
H.P. ab. Ground (m)		Static WL (mbmp)	43.24	HSL	-43.24

SCREEN 3: STRATA LOG DATA

Driller	PIWDC	Drill. Method	Described by	GS
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP RS
Code	Brief Description of Penetrated Strata			
30.0	I #	SANDY TUFF		
120.0	S	SAND		
160.0	I #	SANDY SILT		
210.0	S	SHALY SAND		
240.0	S2S3	SAND MEDIUM TO COARSE GRAINED		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Effav (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	DK	Drawdn.	Recov.
Duration (min)		0	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)		20.82	OBSERVATION WELL NO.		
Total Drawdown (m)		18.37	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)		1.1	Leakage (s-1*10 ⁻¹⁰)		
Well Potential			Trans. (m ² /sec*10 ⁻³)		

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0609

SCREEN 1: LOCATION

PGDB No	31621-0609	Source	AQUA-DYNE			Local No	
Other No	WELL NO. 1		Basin				
Longitude	120°57'35" X NM	451.2	X PTM	495.655	Basin Area		
Latitude	14°18'25" Y NM	310.6	Y PTM	1582.130	Loc. Method		
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Addr/Owner	CITY HOMES, BAGUMBAYAN			CONFEDERATION PROPERTIES			
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556	
Bgy. Code						Pop	0

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE										
Borehole Depth	Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
182.0	350	200		0.00	182.0	UN			112.0	124.0
						UN			130.0	136.0
						UN			142.0	156.0
						UN			161.0	167.0
						UN			170.0	176.0

Comp Date	10/18/92	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)		HSL					

SCREEN 3: STRATA LOG DATA

AQUA-DYNE										
Driller	Drill. Method			Described by						
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP	RS					
Code	Brief Description of Penetrated Strata					Perm. Class				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. B _{50w} (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date		pH		TDS		TSS		ODOR	
Color		Ca ⁺⁺		NH ₄ ⁺		NO ₃ ⁻		CO ₂	
Cond. µS/cm		Mg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		N ₂ S	
Temp °C		Mn ⁺⁺		Cu ⁺⁺		CO ₃ ⁻		CH ₄	
Turbidity		Fe ⁺⁺		HCO ₃ ⁻		PO ₄ ⁻		O ₂	
Alkalinity		Na ⁺		SO ₄ ⁻		F ⁻		B	
T. Hardness		K ⁺		Cl ⁻		SiO ₂		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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0610

SCREEN 1: LOCATION

PCIDB No	31621-0610	Source	AQUA-DYNE			Local No	
Other No	DEEPWELL # 2	Basin					
Longitude	120°57'42" X MM	455.4	X PTM	495.864	Basin Area		
Latitude	14°18'30" Y MM	313.7	Y PTM	1582.284	Loc. Method		
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Addr/Owner	CITY HOMES BAGONG BAYAN		CONFEDERATION PROPERTIES				
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556	
Reg. Code					Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
182.0	300	200	0.00	182.0	UN			92.0	98.0
					UN			104.0	116.0
					UN			122.0	128.0
					UN			134.0	158.0
					UN			164.0	176.0

Comp Date	03/24/93	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
M.P. ab. Ground (m)		Static WL (mbgp)		MSL					

SCREEN 3: STRATA LOG DATA

AQUA-DYNE

Driller	ROSSMAN WELL DRILL'NG		Drill. Method	Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP	RS
	Code	Brief Description of Penetrated Strata			Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Edw (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (a-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Hg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁺	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ^m	O ₂
Alkalinity	Na ⁺	SO ₄ ^m	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SI0 ₂	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)		H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

* * *

31621-0611

SCREEN 1: LOCATION

PGWS No	31621-0611		Source	AQUA-DYNE		Local No	
Other No	DEEPWELL #1		Basin				
Longitude	120°55'48	X MM	387.3	X PTM	492.448	Basin Area	
Latitude	14°18'40	Y MM	319.8	Y PTM	1582.592	Loc. Method	
Prov. Code	CAY CAVITE		Gr. Elev	0.00	Accu.		
Addr/Owner	LANGKAAN, DASHARINAS		CITY HOMES RESORT VILLE				
Mun. Code	DAS DASHARINAS		Year	1990	Pop	135,556	
Bgy. Code	005 Langkaan		U	Pop	3,206		

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
182.0	300	200	0.00	182.0	UN			86.0	92.0
					UN			104.0	116.0
					UN			128.0	152.0
					UN			158.0	176.0

Comp Date	09/13/93	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
H.P. sb. Ground (m)		Static WL (mbmp)		MSL					

SCREEN 3: STRATA LOG DATA

AQUA-DYNE

Driller	Drill. Method		Described by		
Form.	F. Area	Logs	SP	RS	
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. 16sw (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*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s ⁻¹ *10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.P.)			H.P. sb. 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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0612

SCREEN 1: LOCATION

PGDB No	31621-0612	Source	AQUA-DYNE			Local No	
Other No		Basin					
Longitude	120°55'37" X MM	380.7	X PTM	492.119	Basin Area		
Latitude	14°19'58" Y MM	367.8	Y PTM	1584.989	Loc. Method		
Prov. Code	CAV CAVITE			Gr. Elev	0.00	Accu.	
Addr/Owner	SAM JOSE, DASHARINAS			FLESTA HOMES			
Mun. Code	DAS DASHARINAS			Year	1990	Pop	136,556
Rgy. Code	015 San Jose			U	Pop	3,390	

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
136.0	350	200	0.00	136.0	UN	UN		58.0	70.0
					UN	UN		78.0	82.0
					UN	UN		88.0	100.0
					UN	UN		106.0	130.0

Comp Date	01/30/92	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack ϕ (mm)					
H.P. ab. Ground (m)		Static WL (mbmg)		MSL					

SCREEN 3: STRATA LOG DATA

AQUA-DYNE

Driller	Drill. Method	Described by				
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP	RS	Perm. Class

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. Σ sw (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 (*10-3)	
Sp. Cap. End Test (l/s/m)				Leakage ($\alpha \cdot 10^{-10}$)	
Well Potential				Trans. ($m^2/sec \cdot 10^{-3}$)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	NH4+	NO3-	CO2
Cond. μ S/cm	Hg++	Zn++	NO2-	H2S
Temp °C	Mn++	Cu++	CO3=	CH4
Turbidity	Fe++	HCO3-	PO4=	O2
Alkalinity	N=	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 HSL	Date	GW Level BHP (m)	SWL?	GW Level HSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m 3 /h)	Date	Q (m 3 /h)	Date	Q (m 3 /h)	Date	Q (m 3 /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0613

SCREEN 1: LOCATION

PCDB No	31621-0613	Source	AQUA-DYNE			Local No	
Other No		Basin					
Longitude	120°56'52	X MM	425.3	X PTM	494.366	Basin Area	
Latitude	14°19'12	Y MM	339.3	Y PTM	1583.575	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00		Accu.	
Addr/owner	SOUTHCREST VILLAGE		STATELAND DEV. CORP.				
Mun. Code	DAS DASMARINAS		Year	1990	Pop	136,356	
Bgy. Code	014 San Agustin		U	Pop	5,149		

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE									
Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
182.0	300	200	0.00	182.0	UN			101.0	104.0
					UN			110.0	116.0
					UN			134.0	137.0
					UN			140.0	146.0
					UN			158.0	164.0
					UN			170.0	176.0

Comp Date	06/08/93	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

AQUA-DYNE										
Driller	Form.	F. Area	Logs	SP	RS	Described by				
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata				Perm. Class				
7.0	X	UNKNOWN								
19.0	T	TUFP								
75.0	SSt	TUFACEOUS SANDSTONE								
90.0	C i	SILTY CLAY, MEDIUM GRAY								
100.0	SHc #	SILTSTONE SLIGHTLY CLAYEY SANDY								
107.0	C i	SILTY CLAY								
123.0	SSi	SANDSTONE VERY SILTY FINE GRAINED								
129.0	C i	CLAY, SILTY								
142.0	SH# c	SILTSTONE, VERY SANDY SLIGHTLY CLAYEY								
153.0	C i	CLAY, SILTY								
175.0	SH#	SILTSTONE, VERY SANDY								
182.0	C i	SILTY CLAY								

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. 28aw (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		Drawds.	Recov.
Duration (min)				Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca++	MH4+	NO3-	CO2
Cond. µS/cm	Hg++	Zn++	NO2-	N2S
Temp °C	Mn++	Cu++	CO3-	CH4
Turbidity	Fe++	NC03-	PO4#	O2
Alkalinity	Na+	SO4#	F-	S
T. Hardness	K+	Cl-	SI02	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0614

31621-0614

SCREEN 1: LOCATION

PCDB No	31621-0614	Source	AQUA-DYNE		Local No	
Other No		Basin				
Longitude	120°57'48 X MM	459.0	X PIM	496.044	Basin Area	
Latitude	14°18'06 Y MM	298.9	Y PTH	1581.546	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr./Owner	ST. CHARBEL VILLAGE					
Mun. Code	DAS DASMARINAS	Year	1990	Pop	136,556	
Rgy. Code				Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

AQUA-DYNE

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Sint (mm)	Top (mbg)	Bot (mbg)
152.0	200		0.00	152.0	UN	UN		84.0	96.0
					UN	UN		116.0	128.0
					UN	UN		134.0	146.0
Comp Date	02/14/92	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

AQUA-DYNE

Driller	AQUA-MAUS	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs SP RS
Code	Brief Description of Penetrated Strata		Perm. Class

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (m ⁻¹ *10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Swmp. Date	pH	TDS	TSS	ODOR
Color	Cu ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Ni ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁻	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ^w	O ₂
Alkalinity	Nu ⁺	SO ₄ ^w	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

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

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0602

SCREEN 1: LOCATION

PCNB No	31621-0602	Source	P. I. WELL DRILLING		Local No
Other No	Basin				
Longitude	120°56'53	X MM	426.1	X PTM	494.396
Latitude	14°18'08	Y MM	300.1	Y PTM	1581.608
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.
Add/Owner	DASHARINAS PLANT		REYNOLDS PHILIPPINES CORP.		
Mun. Code	DAS DASHARINAS		Year	1990	Pop
Egy. Code			Pop	136,556	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
152.4	400	BI	0.00	152.4	UN			30.5	36.6
					UN			42.7	61.0
					UN			79.3	91.5
					UN			103.7	152.4

Comp Date	09/22/84	Level		Own'p		Type		Use
Operating?		Lift. Device		Gravel Pack (mm)				
M.P. ab. Ground (m)		Static WL (mbmp)		HSL				

SCREEN 3: STRATA LOG DATA

Driller	Form.	F. Area	Logs	SP RS	Described by	GS
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata				Perm. Class
3.0	EA	WEATHERED TOP SOIL				
9.1	Shr 1	SILTY TUFFACEOUS SHALE				
33.5	SS	SANDSTONE				
36.6	C 1	SILTY CLAY				
61.0	S	ARENACEOUS SAND				
82.3	S	ARENACEOUS SAND				
88.4	SS	SANDSTONE				
97.6	S	LUTACEOUS SAND				
100.6	S 1	SILTY SAND				
103.7	Sst 1	TUFFACEOUS SILTY SANDSTONE				
112.8	SS	TUFFACEOUS SHALY SANDSTONE				
122.0	S	LUTACEOUS SAND				
125.0	S c 1	CLAYEY SILTY SAND				
134.1		VOLCANOGENIC				
149.4	SS	SANDSTONE				
152.4	SS	SHALY SANDSTONE				

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. 155w (m)				Aquifer Loss Conf. 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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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=	CN4
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 MSL	Date	GW Level BHP (m)	SWL?	GW Level MSL

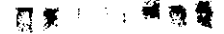
SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31621-0616

SCREEN 1: LOCATION

PCDB No	31621-0616	Source		Local No	
Other No		Basin			
Longitude	120°56'50	X MM	424.3	X PTM	494.306
Latitude	14°18'15	Y MM	304.4	Y PTM	1581.823
Prov. Code	CAVAVITE		Gr. Elev	0.00	Accu.
Addr/Owner	REYNOLDS PHILS. CORP.				
Mun. Code	DAS DASHARINAS		Year	1990	Pop
				136,556	
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)
152.4	300		0.00	152.4	UN			48.8	73.2
					UN			79.3	91.5
					UN			115.9	140.2
Comp Date	09/04/77	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
H.P. ab. Ground (m)		Static WL (mbmp)	19.21	MSL					-19.21

SCREEN 3: STRATA LOG DATA

Driller	SHAMROCK	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perf. Class	
3.0	C #	BROWNISH SANDY CLAY			
9.1	SH#	BROWNISH SANDY SHALE			
12.2	SS	DARK GRAY FINE SANDSTONE			
15.2	C t #	BROWNISH CLAY W/SANDY TUFF			
21.3	S1	GRAYISH FINE SAND			
24.4	SS	MED-COARSE GRAINED SANDSTONE			
27.4	SH#	BROWNISH SANDY SHALE			
33.5	T	CHIPS OF COARSE CONGLOMERATE TUFF			
39.6	T #	DARK GRAY MED. TO COARSE GRAINED SANDY TUFF			
45.7	T	ANG. CHIPS OF DARK GRAY CONGLOMERATE TUFF			
48.8	T #	DARK GRAY MED. TO COARSE GRAINED SANDY TUFF			
51.8	T1#	OLIVE GRAY FINE SANDY TUFF			
54.9	T3#	DARK GRAY MED. TO COARSE GRAINED SANDY TUFF			
67.1	T3#	DARK GRAY COARSE GRAINED SANDY TUFF			
76.2	T2T3#	DARK GRAY MED. TO COARSE GRAINED SANDY TUFF			
94.5	S1S2	GRAYISH FINE TO MEDIUM GRAINED SAND			
96.0	T #	BROWN SHALY SANDY TUFF			
97.6	T #	SANDY TUFF			
100.6	SH#	LIGHT GRAY SANDY SHALE			
102.1	S2	MEDIUM GRAINED SAND			
105.2	T2#	ANGULAR CHIPS OF MED. GRAINED SANDY TUFF			
108.2	SS	BROWNISH CONGLOMERATE SANDSTONE			
109.8	T2#	LIGHT GRAY MEDIUM GRAINED SANDY TUFF			
112.8	T #	LIGHT GRAY SANDY TUFF			
114.3	S2	DARK GRAY MEDIUM GRAINED SAND			
115.9	T #	ANGULAR CHIPS OF LIGHT GRAY SHALY SANDY TUFF			
119.0	S1S2	LIGHT GRAY FINE TO MEDIUM GRAINED SHALY SAND			
120.4	T #	SHALY SANDY TUFF			
137.2	S2	LIGHT GRAY TO MED. GRAINED SAND			
140.2	T	LIGHT BROWN SHALY TUFF			
152.4	C	LIGHT GRAY STICKY CLAY			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (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	09/04/77	By	DR	Drawdn.	Recov.
Duration (min)			0	Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)			41.60	OBSERVATION WELL NO.	
Total Drawdown (m)			10.10	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)			4.1	Leakage (*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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-	PO4m	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	SiO2	Fb

SCREEN 7: GROUNDWATER LEVELS HISTORY

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

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0617

SCREEN 1: LOCATION

PGDB No	31621-0617	Source	LMUA		Local No	
Other No	SUMMERWIND IV P.S.		Basin			
Longitude	120°57'12	X NM	437.5	X PTM	494.966	Basin Area
Latitude	14°19'26	Y NM	348.1	Y PTM	1584.005	Loc. Method
Prov. Code	CAV CAVITE		Cr. Elev	0.00	Accu.	
Addr/Owner	CAMERINO AVE. DASHARINAS, CAV		DASHARINAS WD			
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556
Bgy. Code	020 BuroI		U	Pop	7,104	

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Sint Perf (mm)	Top (mbg)	Bot (mbg)
170.0								

Comp Date	08/19/92	Level	Own'p	Type	Use
Operating?	Y	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
5.0	Siv		VERY FINE SAND W/VOLCANICS CINDERS	
15.0	SNSSc		HARD SHALE, TUFFACEOUS SANDSTONE	
30.0	Siv t		FINE SAND W/VOL. CINDER & TUFFACEOUS W/SHALE	
45.0	T v		VOLCANIC TUFF W/HARD SHALE	
65.0	Sit v		FINE SAND W/VOLCANIC TUFF & SHALE	
75.0	SSt s		CLAYEY TUFFACEOUS SANDSTONE W/FINE SAND & SHALE	
95.0	Siv c		FINE SAND, VOLCANIC CINDER W/CLAY	
110.0	C		BROWNISH STICKY CLAY	
140.0	Siv		FINE SAND WITH VOLCANIC CINDER	
170.0	C i v		SILTY CLAY WITH VOLCANIC CINDER	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (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*10 ⁻³)	
Discharge (l/s)				OBSERVATION WELL NO.	
Total Drawdown (m)				Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)				Leakage (s-1*10 ⁻¹⁰)	
Well Potential				Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	08/18/83	pH		TDS	263.00	TSS		ODOR
Color		Ca ⁺⁺	32.0	NH ₄ ⁺		NO ₃ ⁻		CO ₂
Cond. µS/cm	411	Mg ⁺⁺	19.0	Zn ⁺⁺		NO ₂ ⁻		H ₂ S
Temp °C	25.0	Mn ⁺⁺	0.10	Cu ⁺⁺		CO ₃ ⁼		CH ₄
Turbidity	0.70	Fe ⁺⁺	0.70	HCO ₃ ⁻	166	PO ₄ ⁼		O ₂
Alkalinity	179.0	Na ⁺		SO ₄ ⁼	10.00	F ⁻		B
T. Hardness	158	K ⁺		Cl ⁻	28	SiO ₂		Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Date	Measuring Pt. (H.P.)		H.P. ab. Ground		Period. m.		
	GW Level BMP (m)	SWL7	GW Level MSL	Date	GW Level BMP (m)	SWL7	GW Level MSL

SCREEN 8: GROUNDWATER DISCHARGE HISTORY

Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

123

31621-0618

SCREEN 1: LOCATION

PCDS No	31621-0618			Source				Local No			
Other No				Basin							
Longitude	120°57'42	X NM	435.4	X PTM	495.865			Basin Area			
Latitude	14°19'38	Y NM	367.8	Y PTM	1584.988			Loc. Method			
Prov. Code	CAY CAVITE			Gr. Elev	0.00			Accu.			
Addr/Owner	BAGONG BAYAN, AREA-H			DASHARINAS WD							
Mun. Code	DAS DASHARINAS			Year	1990		Pop	136,556			
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)
91.5	200		0.00	91.5	UN		70.0	73.0
183.0	150		91.5	183.0	UN		76.0	79.0
					UN		82.0	88.0
					UN		96.0	99.0
					UN		114.0	117.0
					UN		123.0	126.0
					UN		147.0	145.0
					UN		163.0	169.0

Comp Date	/ /	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	DCA	Drill. Method	Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	Perm. Class
	Code	Brief Description of Penetrated Strata		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)
Total Spec. Drawd. (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	Drawn.	Recov.
Duration (min)		Trans. (m ² /sec*10 ⁻³)	
Discharge (l/s)		OBSERVATION WELL NO.	
Total Drawdown (m)		Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)		Leakage (s-1*10 ⁻¹⁰)	
Well Potential		Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. µS/CM	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SiO ₂	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 (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0619

SCREEN 1: LOCATION

PGWB No	31621-0619	Source	HOLDEX REALTY, INC.		Local No	
Other No	WELL MO.1	Basin				
Longitude	120°56'49" X MM	423.7	X PTM	494.276	Basin Area	
Latitude	14°18'08" Y MM	300.1	Y PTM	1581.608	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	METROGATE, DASHARINAS		HOLDEX REALTY, INC.			
Mun. Code	DAS DASHARINAS		Year	1990	Pop	136,556
Rgy. Code			Pop	0		

SCREEN 2: WELL CONSTRUCTION DATA

HOLDEX REALTY, INC.

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
200.0	400	250	ST	0.00	200.0	ST	MP	42.7	91.5
						ST	MP	97.6	109.8
						ST	MP	122.0	158.5
						ST	MP	164.6	170.7
						ST	MP	182.9	195.1

Comp Date	03/02/92	Level		Own'p	PRI	Type	DW	Use
Operating?		Lift. Device	SP	Gravel Pack ϕ (mm)				
H.P. ab. Ground (m)		Static WL (mbmp)	35.06	MSL	-35.06			

SCREEN 3: STRATA LOG DATA

HOLDEX REALTY, INC

Driller	PIWDC	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs PE SP RS
	Code	Brief Description of Penetrated Strata	
14.0	T #	SANDY TUFF	
61.0	S t	TUFFACEOUS SAND	
84.0	S	SAND	
112.0	S i	SILTY SAND	
122.0	T c #	CLAYEY SANDY TUFF	
147.0	S	SAND	
159.0	S i	SILTY SAND	
168.0	S t	TUFFACEOUS SAND	
179.0	C i	SILTY CLAY	
200.0	S i	SILTY SAND	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Hex (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ ssw (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

HOLDEX REALTY, INC.

Date	03/02/92	By	DR	Drawdn.	Recov.
Duration (min)	0	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)	25.24	OBSERVATION WELL NO.			
Total Drawdown (m)	7.49	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	3.3	Leakage (s-1*10 ⁻¹⁰)			
Well Potential		Trans. (m ² /sec*10 ⁻³)			

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

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

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /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. 1 (REV. 10/88)

31621-0620

SCREEN 1: LOCATION

FCDA No	31621-0620	Source	HOLDEX REALTY, INC.		Local No	
Other No	WELL NO. 2	Basin				
Longitude	120°56'40" X MM	418.4	X PTM	494.006	Basin Area	
Latitude	14°18'07" Y MM	299.5	Y PTM	1581.577	Loc. Method	
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	METROGATE DASHMARINAS		HOLDEX REALTY, INC.			
Mun. Code	DAS DASHMARINAS	Year	1990	Pop	136,556	
Reg. Code		Pop			0	

SCREEN 2: WELL CONSTRUCTION DATA

HOLDEX REALTY, INC.

Borehole Depth # (mm)	Casing # (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
200.0	400	250	ST	0.00	200.0	ST	MP	51.0	87.0
						ST	MP	96.0	123.0
						ST	MP	132.0	150.0
						ST	MP	156.0	168.0
						ST	MP	171.0	192.0

Comp Date	03/23/93	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack # (mm)					
M.P. ab. Ground (m)		Static WL (mbmp)	24.39	MSL	-24.39				

SCREEN 3: STRATA LOG DATA

HOLDEX REALTY, INC.

Driller	PIWDC	Drill. Method	Described by	GS
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP RS
	Code	Brief Description of Penetrated Strata		Perm. Class
20.0	T #	SANDY TUFF		
46.0	S t	TUFFACEOUS SAND		
70.0	S	SAND		
102.0	S 1	SILTY SAND		
140.0	T #	SANDY TUFF		
170.0	S 1	SILTY SAND		
200.0	S t	TUFFACEOUS SAND		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)	
Q Max (l/s)		Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. X6aw (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

HOLDEX REALTY, INC.

Date	03/20/93	By	DR	Drawdn.	Recor.
Duration (min)	4320	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)	28.26	OBSERVATION WELL NO.			
Total Drawdown (m)	9.32	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	3.0	Leakage (a-1*10 ⁻¹⁰)			
Well Potential		Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	pH	TDS	TSS	OPOR
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-	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

No. 125

31621-0621

SCREEN 1: LOCATION

PGDB No	31621-0621	Source	GMA WATER DISTRICT			Local No	
Other No	Basin						
Longitude	120°59'58 X MM	536.7	X PTM	499.940	Basin Area		
Latitude	14°17'07 Y MM	262.6	Y PTM	1579.733	Loc. Method		
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.		
Addr/Owner	AREA K		GMA WATER DISTRICT				
Mun. Code	GEN GEN. M. ALVAREZ		Year	1990	Pop	65,977	
Egy. Code	024 San Gabriel (Area K)		U	Pop	1,996		

SCREEN 2: WELL CONSTRUCTION DATA

GMA WD

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
122.0	200		0.00	122.0	UN			79.0	114.0
183.0	150		122.0	183.0	UN			122.0	171.0

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

SCREEN 3: STRATA LOG DATA

GMA WD

Driller	Form.	F. Area	Logs	Described by	
	Code	Brief Description of Penetrated Strata			Perm. Class
6.0	C t	YELLOW BROWN SANDY TUFF CLAY			
27.0	C t	BLuish GRAY TUFFACEOUS CLAY			
55.0	A	BLACK ADOBE STONE			
67.0	K	ANG. TO SUB-ANG. CHIPS CONGLOMERATE			
73.0	C t	GRAY TUFFACEOUS CLAY			
116.0	SS	DARK GRAY FINE SANDSTONE			
146.0	A	BLACK ADOBE STONE			
155.0	C	STICKY CLAY			
183.0	SS	ANG. TO SUB-ANG. CRIPS OF FINE SANDSTONE			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	By	No Steps / Duration (min)
Q Max (l/s)	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Estw (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*10 ⁻³)		
Discharge (l/s)	OBSERVATION WELL NO.		
Total Drawdown (m)	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)	Leakage (-m*10 ⁻¹⁰)		
Well Potential	Trans. (m ² /sec*10 ⁻³)		

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μ S/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	N ₂ S
Temp °C	Mn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Ni ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	SI0 ₂	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD



31621-0606

SCREEN 1: LOCATION

PCDB No	31621-0606	Source	GMA WATER DISTRICT			Local No	
Other No		Basin					
Longitude	120°59'57 X MM	536.1	X PTH	499.910	Basin Area		
Latitude	14°16'58 Y MM	257.1	Y PTH	1579.456	Loc. Method	ALL	
Prov. Code	CAV CAVITE			Gr. Elev	0.00	Accu.	
Addr/Owner				GMA WATER DISTRICT			
Mun. Code	GEN GEN. H. ALVAREZ			Year	1990	Pop	65,977
Bgy. Code				Pop		0	

SCREEN 2: WELL CONSTRUCTION DATA

GMA WD

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
122.0	200		0.00	122.0	UN			51.8	54.9
213.4	150		122.0	213.4	UN			57.9	67.1
					UN			73.2	82.3
					UN			85.4	94.5
					UN			103.7	109.8
					UN			112.8	118.9
					UN			128.0	134.1
					UN			146.3	149.4
					UN			155.5	164.6
					UN			176.8	182.9

Comp Date	/ /	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack (mm)					
M.P. ab. Ground (m)		Static WL (mamp)	49.21	MSL	-49.21				

SCREEN 3: STRATA LOG DATA

GMA WD

Driller	HYDRO-WELLS		Drill. Method	Described by	
Depth to Underlie of Layer (mbg)	Form.	F. Area	Logs	SP RS	
	Code	Brief Description of Penetrated Strata			Perm. Class
4.6	EASHSI	TOP SOIL, BROWNISH SILTY SHALE, FINE SAND			
13.7	SHs	SANDY SHALE			
32.0	SSt G	TUFF. SANDSTONE, SANDY GRAVEL W/ TRA. OF SHELL			
39.6	SSt i	TUFACEOUS SANDSTONE WITH SANDY SILT			
54.9	ICSSg	SILTY CLAY WITH TUFF. SANDSTONE, SANDY GRAVEL			
62.5	S3t SS	COARSE GRAINED SAND W/GRAVELLY TUFF, SANDSTONE			
73.2	ICSSt	SILTY CLAY W/ TUFACEOUS SANDSTONE			
85.4	SSt g	TUFACEOUS SANDSTONE W/ SANDY, SILTY GRAVEL			
88.4	SSv S	VOL. TUFACEOUS SANDSTONE, FINE GRAVELLY SAND			
103.7	C SSg	CLAY W/VOL. TUFACEOUS SANDSTONE W/GRAVEL CHIPS			
112.8	S1SSg	FINE GRAINED SAND W/TUFACEOUS SANDSTONE			
117.4	ICs	SILTY CLAY W/ SAND			
144.8	S t SS	SAND W/GRAVELLY TUFF. SANDSTONE, SILTY CLAY			
166.0	S g i	GRAVELLY SAND, SILTY			
186.0	SSt g	CLAYEY TUFACEOUS SANDSTONE, SANDY GRAVEL			
213.4	S8c s	CLAYEY SHALE W/ GRAVELLY SAND			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Edw (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

GMA WD

Date	/ /	By	DR		Drawdn.	Recov.
Duration (min)			0	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)		7.71	OBSERVATION WELL NO.			
Total Drawdown (m)		32.67	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)		0.2	Leakage (-*10 ⁻¹⁰)			
Well Potential			Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	pH	TDS	TSS	ODOR
	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
	Hg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
	Na ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
	Na ⁺	SO ₄ ⁼	F ⁻	B
	K ⁺	Cl ⁻	SiO ₂	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0623

31621-0623

SCREEN 1: LOCATION

PCDB No	31621-0623	Source	PSWMC		Local No	
Other No	PUMPING WELL #4		Basin			
Longitude	120°54'57" X MW	356.8	X PTM	490.918	Basin Area	
Latitude	14°16'07" Y MW	225.7	Y PTM	1577.890	Loc. Method	
Prov. Code	CAV CAVITE		Gr. Elev	0.00	Accu.	
Addr/Owner	BGY. JAVALERA, GEN. TRIAS		GATEWAY PROPERTY HOLDINGS, INC			
Mun. Code	TRI GEN. TRIAS		Year	1990	Pop	52,888
Bgy. Code	014 Javalera		R		Pop	1,891

SCREEN 2: WELL CONSTRUCTION DATA

PSWMC

Borehole Depth (mm)	Casing (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type/Perf	Slot (mm)	Top (mbg)	Bot (mbg)
86.0	350	BI	0.00	84.0	ST WW		59.0	71.0
200.0	300	BI	84.0	194.0	ST WW		86.0	92.0
					ST WW		95.0	98.0
					ST WW		107.0	110.0
					ST WW		116.0	125.0
					ST WW		170.0	176.0
					ST WW		182.0	188.0

Comp Date	05/15/92	Level		Own'p	PRI	Type	DN	Use
Operating?		Lift. Device		Gravel Pack (mm)	2.0 - 4.0			
M.P. ab. Ground (m)	0.89	Static WL (mbmp)	15.61	MSL	-14.72			

SCREEN 3: STRATA LOG DATA

PSWMC

Driller	Form.	F. Area	Logs	Described by	PE SP RS
Depth to Underside of Layer (mbg)	Code	Brief Description of Penetrated Strata			Perm. Class
3.0	EASHg	TOP SOIL, GRAVELLY SHALE			
7.5	SHg	GRAVELLY SHALE WITH FINE TO COARSE SAND			
21.0	C s v	FINE GRAVEL WITH SAND, SHALE AND VOL. CINDER			
28.5	S SSt	SAND WITH TUFFACEOUS SANDSTONE			
30.0	SHc 51	CLAYEY SHALE WITH FINE SAND, SILTY			
39.0	SSt a	TUFF. SANDSTONE W/ SAND AND PUM. SANDSTONE			
70.5	S11	FINE SAND, SILTY			
79.5	S1c 1	FINE SAND WITH CLAY AND SILT			
124.5	SSa v	TUFF. SANDSTONE WITH SHALE, SAND & VOL. CINDER			
139.5	C SBSS	BROWNISH CLAY WITH SHALE AND TUFF. SANDSTONE			
160.5	S11	FINE SAND, SILTY			
184.5	S1c SS	FINE SAND WITH TUFF. SANDSTONE AND VOL. CINDER			
200.0	S11	FINE SAND, SILTY			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

PSWMC

Date	05/03/92	By	DR	No Steps / Duration (min)	5/00
Q Max (l/s)			10.30	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. (m)			7.98	Aquifer Loss Coef. B(sec/m ²)	250.00
Specific Capacity (l/s/m)			1.29	Well Loss Const. -C(sec ² /m ⁵)	27000

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

PSWMC

Date	04/28/92	By	DR	Drawdn.	Recov.
Duration (min)			4320	Trans. (m ² /sec*10 ⁻³)	3.70
Discharge (l/s)			10.30	OBSERVATION WELL NO.	
Total Drawdown (m)			8.25	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)			1.2	Leakage (-1*10 ⁻¹⁰)	
Well Potential			MEDIUM	Trans. (m ² /sec*10 ⁻³)	

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

PSWMC

Samp. Date	05/06/92	pH	7.30	TDS		TSS		ODOR	
Color	5	Ca ⁺⁺		NH ₄ ⁺		NO ₃ ⁻		CO ₂	8.80
Cond. µS/cm		Hg ⁺⁺		Zn ⁺⁺		NO ₂ ⁻		N ₂ S	
Temp °C		Mn ⁺⁺		Cu ⁺⁺		CO ₃ ⁼		CH ₄	
Turbidity	1.70	Fe ⁺⁺	0.10	HCO ₃ ⁻	262	PO ₄ m		O ₂	
Alkalinity	214.8	Na ⁺		SO ₄ ⁼		F ⁻		B	
T. Hardness	152	K ⁺		Cl ⁻	5	SiO ₂		Pb	

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

03/29/90

31621-0624

SCREEN 1: LOCATION

PCDB No	31621-0624	Source	LWUA	Local No	
Other No	Basin				
Longitude	120°43'33 X MM	19.7 X PTM	474.014	Basin Area	
Latitude	14°16'30 Y MM	239.9 Y PTM	1578.609	Loc. Method	OLM
Prov. Code	CAV CAVITE		Gr. Elev	20.00	Accu.
Addr/Owner	BCY. BUCAL IV, MARACONDON		BUCAL RWSA		
Mun. Code	MAR MARACONDON		Year	1990	Pop
					22,814
Rgy. Code	005 Bucal IV		R	Pop	1,360

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth (m)	Casing (mm)	Type	Top (m)	Bot (m)	Screen Type	Perf	Slot (mm)	Top (m)	Bot (m)
70.0	350	ST	0.00	70.0	SS	WW		27.0	30.0
					SS	WW		33.0	39.0
					SS	WW		42.0	45.0
					SS	WW		48.0	51.0
					SS	WW		52.0	58.0
					SS	WW		64.0	67.0
Comp Date	03/22/90	Level		Own'p	Type	DW	Use		
Operating?		Lift. Device		Gravel Pack (mm)			4.0 - 7.0		
H.P. ab. Ground (m)	0.30	Static WL (mbmp)		22.39	MSL		-2.09		

SCREEN 3: STRATA LOG DATA

Driller	ACOJE	Drill. Method	Described by
Depth to Underside of Layer (m)	Form.	F. Area	Logs PE SP RS
Code	Brief Description of Penetrated Strata		
Perm. Class			
1.0	EA	TOP SOIL	
3.0	C a p	SANDY CLAY WITH PEBBLES	
4.0	S1S3c	FINE TO COARSE SAND WITH CLAY	
5.0	S1S2c	FINE TO MEDIUM SAND WITH CLAY	
6.0	S1c	FINE SAND WITH CLAY	
7.0	S1	FINE SAND	
9.0	S1S3SM	FINE TO COARSE SAND WITH SHALE	
10.0	S SHp	FINE TO COARSE SAND WITH SHALE AND PEBBLES	
12.0	S2S3p	MEDIUM TO COARSE SAND WITH PEBBLES	
13.0	S2S3p	MEDIUM TO COARSE SAND AND PEBBLES	
14.0	C S2S3	CLAY WITH MEDIUM TO COARSE SAND	
23.0	SS	SANDSTONE	
24.0	S1S2c	FINE TO MEDIUM SAND WITH CLAY	
25.0	S1S2	FINE TO MEDIUM SAND	
26.0	S1S3p	FINE TO COARSE SAND WITH PEBBLES	
27.0	S1S3p	FINE TO COARSE SAND AND PEBBLES	
28.0	S1S3	FINE TO COARSE SAND	
29.0	S1S3p	FINE TO COARSE SAND WITH PEBBLES	
31.0	S P c	FINE TO COARSE SAND AND PEBBLES WITH CLAY	
32.0	S1S3p	FINE TO COARSE SAND WITH PEBBLES	
34.0	SS	SANDSTONE	
35.0	S1S3p	FINE TO COARSE SAND WITH PEBBLES	
36.0	S1S2	FINE TO MEDIUM SAND	
37.0	SS	SANDSTONE	
38.0	S1S2	FINE TO MEDIUM SAND	
39.0	SS	SANDSTONE	
42.0	S1S3c	FINE TO COARSE SAND WITH CLAY	
44.0	SS	SANDSTONE	
45.0	S1S3c	FINE TO COARSE SAND WITH CLAY	
47.0	S1S2c	FINE TO MEDIUM SAND WITH CLAY	
48.0	S1S3c	FINE TO COARSE SAND WITH CLAY	
50.0	S1S3	FINE TO COARSE SAND	
52.0	S1S2	FINE TO MEDIUM SAND	
59.0	SS	SANDSTONE	
62.0	S1S2	FINE TO MEDIUM SAND	
65.0	S2S3c	MEDIUM TO COARSE SAND WITH CLAY	
67.0	S1S3	FINE TO COARSE SAND	
69.0	S1S3c	FINE TO COARSE SAND WITH CLAY	
70.0	S3c	COARSE SAND WITH CLAY	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	03/14/90	By	DR	No Steps / Duration (min)	5/300
Q Max (l/s)			18.00	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. E _{ssw} (m)			12.33	Aquifer Loss Coef. B(sec/m ²)	585.00
Specific Capacity (l/s/m)			1.46	Well Loss Const. -C(sec ² /m ³)	4000

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	03/15/90	By	DR	Drawdn.	Recov.
Duration (min)	1500	Trans. (m ² /sec*10 ⁻³)	1.13	1.96	
Discharge (l/s)	16.00	OBSERVATION WELL NO.			
Total Drawdown (m)	12.55	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	1.2	Leakage (s-1*10 ⁻¹⁰)			
Well Potential	MEDIUM	Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	03/27/90	pH	6.80	TDS	205.00	TSS		ODOR	
Color		Ca++	26.0	MN4+		MO3-		CO2	
Cond. µS/cm	320	Mg++	16.0	Zn++		MO2-		H2S	
Temp °C	26.0	Mn++	0.50	Cu++		CO3=		CH4	
Turbidity	1.95	Fe++	0.50	NO3-	153	PO4=		O2	
Alkalinity	125.0	NH+		SO4=	10.00	F-		B	
T. Hardness	114	K+		CL-	18	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM 130

31621-0625

SCREEN 1: LOCATION

PCDB No	31621-0625		Source	LWUA		Local No	
Other No	PUMPING STATION #4		Basin				
Longitude	120°58'19" X NW	477.5	X PTM	496.972	Basin Area		
Latitude	14°13'37" Y NW	133.5	Y PTM	1573.279	Loc. Method	FLO	
Prov. Code	CAV CAVITE		Gr. Elev	317.00	Accu.	AL	
Addr/Owner	MONTIYA COR. DEL PILAR, POB.		SILANG WATER DISTRICT				
Mun. Code	SIL SILANG		Year	1990	Pop	93,790	
Egy. Code	032 Barangay 1 (Pob.)		U	Pop	764		

SCREEN 2: WELL CONSTRUCTION DATA

Borehole Depth ϕ (mm)	Casing ϕ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf (mm)	Top (mbg)	Bot (mbg)
99.5	450	ST	0.00	99.0	ST	MP	4.0	48.0
191.0	350	ST	99.0	188.0	ST	MP	4.0	63.0
					ST	MP	4.0	82.5
					ST	MP	4.0	91.5
					ST	MP	3.0	102.5
					ST	MP	3.0	113.0
					ST	MP	3.0	131.0
					ST	MP	3.0	158.0

Comp Date	12/16/86	Level		Own'p	PUB	Type	DW	Use
Operating?		Lift. Device	SP	Gravel Pack ϕ (mm)			3.0	5.0
M.P. ab. Ground (m)	0.60	Static WL (mbmp)			60.47	MSL		257.13

SCREEN 3: STRATA LOG DATA

Driller	LWUA	Drill. Method	RD	Described by
				FE SP RS
Depth to Underdrift of Layer (mbg)	Code	Brief Description of Penetrated Strata		Perm. Class
1.0	EA	TOP SOIL		
3.0	EAc	CLAYEY SOIL WITH SAND AND GRAVEL		
12.3	S1S3G	FINE TO COARSE SAND AND GRAVEL		
17.3	C t #	CEMENTED TUFACEOUS CLAY WITH SAND AND GRAVEL		
22.3	S3g c	COARSE SAND WITH GRAVEL AND CLAY		
25.3	C # g	CLAY WITH SAND AND GRAVEL		
32.3	S3G b	COARSE SAND AND GRAVEL WITH BOULDERS		
34.0	S3c G	CLAYEY COARSE SAND AND GRAVEL		
39.0	S3G p	COARSE SAND AND GRAVEL WITH QUARTZ & PEBBLES		
40.3	C t S3	TUFACEOUS CLAY W/COARSE SAND AND GRAVEL		
43.0	S1S3c	FINE TO COARSE SAND WITH CLAY		
48.5	S c	SAND WITH SLICKY BROWN CLAY		
50.0	T #	SANDY TUFF		
57.5	S3G c	COARSE SAND AND GRAVEL WITH CLAY & ROCK CHIPS		
58.3	T c #	CLAYEY TUFF WITH SAND		
60.3	S3G c	COARSE SAND AND GRAVEL WITH CLAY		
65.3	C # g	CLAY WITH SAND, GRAVEL & CEMENTED TUFF PEBBLES		
70.0	C S1S3	CLAY AND FINE TO COARSE SAND		
74.3	S1S3c	FINE TO COARSE SAND WITH CLAY		
77.3	C S1S3	CLAY WITH FINE TO COARSE SAND		
81.0	T #	SANDY TUFF		
84.3	S1S3C	FINE TO COARSE SAND AND CLAY		
86.0	C #	SANDY CLAY		
99.3	C t #	TUFACEOUS CLAY WITH SAND		
100.3	C #	SANDY CLAY WITH CEMENTED PYROCLASTICS		
108.3	S G c	SEMI-ANG. SAND AND GRAVEL W/ CLAY & ROCK CHIPS		
113.0	C S G	CLAY, SAND, GRAVEL WITH BASALT ROCK CHIPS		
125.0	S G c	FINE TO COARSE SAND AND GRAVEL WITH CLAY		
129.0	C # g	TUFACEOUS CLAY WITH SAND AND GRAVEL		
142.3	C i #	CLAY WITH SILT AND SAND		
144.0	S G c	ANG. CHIPS OF BLACK SAND AND GRAVEL WITH CLAY		
145.3	S c G	CLAYEY SAND AND GRAVEL		
148.0	C t #	TUFACEOUS CLAY WITH SAND		
152.0	C #	CLAY WITH SAND AND GRAVEL		
157.0	C #	SANDY CLAY		
160.3	I S c	SILT AND SAND WITH CLAY AND GRAVEL		
171.0	C # g	CLAY WITH SAND AND GRAVEL W/ PYROCLASTICS		
173.3	S3G i	COARSE SAND AND GRAVEL WITH SILT		
194.0	C # g	CLAY WITH SAND AND GRAVEL		
196.3	C # g	CLAY WITH LESSER AMOUNT OF SAND AND GRAVEL		
199.3	C i	STICKY CLAY WITH SILT		
201.0	C # i	CLAY WITH FINE TO COARSE SAND AND SILT		

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date	12/14/86	By		No Steps / Duration (min)	5/00
Q Max (l/s)			10.00	Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. L66w (m)			36.49	Aquifer Loss Coef. B(sec/m ²)	
Specific Capacity (l/s/m)			0.27	Well Loss Const.-C(sec ² /m ⁵)	0

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

Date	12/09/86	By		Drawdn.	Recov.
Duration (min)			2880	Trans. (m ² /sec*10 ⁻³)	0.83 0.70
Discharge (l/s)			9.33	OBSERVATION WELL NO.	
Total Drawdown (m)			43.83	Storage (*10 ⁻³)	
Sp. Cap. End Test (l/s/m)			0.2	Leakage (s-1*10 ⁻¹⁰)	
Well Potential			POOR	Trans. (m ² /sec*10 ⁻³)	

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

Samp. Date	01/06/87	pH	6.93	TDS	250.00	TSS		ODOR
Color		Ca++	27.0	NH4+		NO3-	6.0	CO2
Cond. μ S/cm	395	Mg++	16.3	Zn++		NO2-		N2S
Temp °C		Hx++		Ca++		CO3-		CH4
Turbidity	6.80	Fe++	0.03	HCO3-	209	PO4=		O2
Alkalinity	171.0	Na+	20.0	SO4=	6.00	F-		B
T. Hardness	135	K+	7.3	Cl-	18	SiO2		Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (M.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

131

31621-0626

SCREEN 1: LOCATION

PCDB No	31621-0626	Source	LWUA	Local No	
Other No		Basin			
Longitude	120°58'13" X MM	473.9	X PTM	496.792	Basin Area
Latitude	14°12'58" Y MM	109.5	Y PTM	1572.081	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	BLUMENTRITT ST., TURUAN	SILANG WD (GABRIELA PS)			
Mxm. Code	SIL SILANG	Year	1990	Pop	93,790
Rgy. Code	D47 Tubuan	U	Pop	3,136	

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)
108.0	250		0.00	108.0	UN		113.0	128.0
204.0	200		108.0	204.0	UN		135.0	150.0
					UN		175.0	184.0
					UN		196.0	199.0

Comp Date	11/30/92	Level		Own'p		Type		Use
Operating?		Lift. Device		Gravel Pack ϕ (mm)				
M.P. ab. Ground (m)		Static WL (mbwp)	70.80	MSL	-70.80			

SCREEN 3: STRATA LOG DATA

Driller	HYDRO-WELLS	Drill. Method	Described by
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs PE SP RS
	Code	Brief Description of Penetrated Strata	
1.0	EAC 1	TOP SOIL, BLACK SILTY CLAY	
3.0	C 1 g	BROWNISH SILTY CLAY W/ GRAVEL CHIPS	
6.0	SHSSc	YELLOWISH HARD SHALE W/TUFFACEOUS SANDSTONE	
8.0	G c	UNCONSOLIDATED GRAVEL W/ BROWNISH CLAY	
11.0	SHG e	BROWNISH TO YELLOWISH HARD SHALE, SANDY GRAVEL	
14.0	SSv t	VOLCANIC TUFFACEOUS SANDSTONE	
22.0	S 1 SS	SILTY SAND W/ VOLCANIC TUFFACEOUS SANDSTONE	
26.0	SH1 g	SILTY SHALE WITH GRAVEL CHIPS	
30.0	SSG n	VOLCANIC TUFFACEOUS SANDSTONE, SANDY GRAVEL	
32.0	C 1 n	SILTY CLAY WITH SAND	
36.0	SSg 1	VOLCANIC TUFFACEOUS SANDSTONE W/ SILTY GRAVEL	
38.0	SH1	YELLOWISH SILTY SHALE	
44.0	SSg 1	VOLCANIC TUFFACEOUS SANDSTONE W/ SILTY GRAVEL	
47.0	C 1 SS	SILTY CLAY, VOLCANIC TUFFACEOUS SANDSTONE	
49.0	SHn SS	SANDY SHALE W/ GRAVEL TUFFACEOUS SANDSTONE	
52.0	C 1 SS	SILTY CLAY W/ VOLCANIC TUFFACEOUS SANDSTONE	
61.0	SSg n	VOLCANIC TUFFACEOUS SANDSTONE W/ SANDY GRAVEL	
72.0	S1S2SM	FINE TO MEDIUM GRAINED SAND W/TUFFACEOUS SHALE	
81.0	SSpav	PUMICEOUS SANDSTONE W/ VOLCANIC CINDEERS	
87.0	C 1 g	SILTY CLAY W/TRACES OF SANDY GRAVEL	
91.0	SHSSv	HARD SHALE W/VOLCANIC TUFFACEOUS SANDSTONE	
124.0	S 1 SS	SILTY SAND W/VOLCANIC TUFFACEOUS SANDSTONE	
129.0	S1S2	FINE TO MEDIUM GRAINED SAND	
131.0	C 1 SS	SILTY CLAY W/VOLCANIC TUFFACEOUS SANDSTONE	
132.0	S1	FINE GRAINED SAND	
134.0	SHSSv	HARD SHALE W/VOLCANIC TUFFACEOUS SANDSTONE	
144.0	S1S2SS	FINE TO MED. GRMD. SAND W/TUFFACEOUS SANDSTONE	
153.0	S 1 SS	SILTY SAND W/VOLCANIC TUFFACEOUS SANDSTONE	
161.0	S 1 c	SILTY SAND WITH TRACES OF CLAY	
171.0	SHn SS	SANDY SHALE W/ TUFFACEOUS VOLCANIC SANDSTONE	
173.0	C	BROWNISH CLAY	
178.0	SSn t	SANDY TUFFACEOUS SANDSTONE	
184.0	C n SS	SANDY CLAY W/ VOLCANIC TUFFACEOUS SANDSTONE	
189.0	SHn SS	SANDY SHALE W/ VOLCANIC TUFFACEOUS SANDSTONE	
199.0	C	BROWNISH PLASTIC CLAY	
205.0	SSv c	VOLCANIC TUFFACEOUS SANDSTONE W/TRACES OF CLAY	
221.0	C SSv	CLAY W/VOLCANIC TUFFACEOUS SANDSTONE	

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Σ hw (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	11/17/92	By		Drawdn.	Recov.
Duration (min)	2880	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)	16.39	OBSERVATION WELL NO.			
Total Drawdown (m)	29.47	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	0.5	Leakage (n*10 ⁻¹⁰)			
Well Potential		Trans. (m ² /sec*10 ⁻³)			

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

Sampl. Date	pH	TDS	TSS	ODOR
Color	Ca++	MH4+	NO3-	CO2
Cond. μ S/CM	Hg++	Zn++	NO2-	H2S
Temp °C	Na++	Cu++	CO3=	CH4
Turbidity	Fe++	NCO3-	PO4=	O2
Alkalinity	Na+	SO4=	F-	B
T. Hardness	K+	Cl-	S1O2	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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

31621-0627

SCREEN 1: LOCATION

PCDB No	31621-0627	Source	HOLDEX REALTY, INC.		Local No	
Other No	WELL NO. 1	Basin				
Longitude	120°58'17" X MM	476.3	X PTM	496.912	Basin Area	
Latitude	14°14'26" Y MM	163.6	Y PTM	1574.785	Loc. Method	
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.		
Addr/Owner	METROGATE SILANG	HOLDEX REALTY, INC.				
Mun. Code	SIL SILANG	Year	1990	Pop	93,790	
Bgy. Code				Pop	0	

SCREEN 2: WELL CONSTRUCTION DATA

HOLDEX REALTY, INC.

Borehole Depth	Casing φ (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
210.0	350	200	0.00	210.0	ST	MP		66.0	84.0
					ST	MP		90.0	129.0
					ST	MP		138.0	159.0
					ST	MP		165.0	201.0

Comp Date	08/06/92	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack φ (mm)					
H.P. ab. Ground (m)		Static WL (mbmp)	34.50	MSL					-34.50

SCREEN 3: STRATA LOG DATA

HOLDEX REALTY, INC.

Driller	PI WELL DRILLING	Drill. Method	Described by	GS
Depth to Underside of Layer (mbg)	Form. Code	F. Area	Logs	PE SP RS
Brief Description of Penetrated Strata				
6.0	S t			
48.0	S i			
83.0	S			
95.0	S SR			
160.0	S			
198.0	S i			
210.0	SHs			

SCREEN 4: STEP DRAWDOWN PUMPING TEST

Date		By		No Steps / Duration (min)	
Q Max (l/s)				Transmissiv. (m ² /sec*10 ⁻³)	
Total Spec. Drawd. Xssw (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

HOLDEX REALTY, INC.

Date	09/03/92	By	DR	Drawdn.	Recov.
Duration (min)	4320	Trans. (m ² /sec*10 ⁻³)			
Discharge (l/s)	14.80	OBSERVATION WELL NO.			
Total Drawdown (m)	47.30	Storage (*10 ⁻³)			
Sp. Cap. End Test (l/s/m)	0.3	Leakage (s ⁻¹ *10 ⁻¹⁰)			
Well Potential		Trans. (m ² /sec*10 ⁻³)			

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

Samp. Date	pH	TDS	TSS	ODOR
Color	Ca ⁺⁺	NH ₄ ⁺	NO ₃ ⁻	CO ₂
Cond. μS/cm	Mg ⁺⁺	Zn ⁺⁺	NO ₂ ⁻	H ₂ S
Temp °C	Hn ⁺⁺	Cu ⁺⁺	CO ₃ ⁼	CH ₄
Turbidity	Fe ⁺⁺	HCO ₃ ⁻	PO ₄ ⁼	O ₂
Alkalinity	Na ⁺	SO ₄ ⁼	F ⁻	B
T. Hardness	K ⁺	Cl ⁻	S102	Pb

SCREEN 7: GROUNDWATER LEVELS HISTORY

Measuring Pt. (H.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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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

PHILIPPINE GROUNDWATER DATABASE WELL RECORD

FORM 133

31621-0628

SCREEN 1: LOCATION

PCDB No	31621-0628	Source	LWUA	Local No	
Other No		Basin			
Longitude	120°58'30 X MM	484.1	X PTM	497.302	Basin Area
Latitude	14°15'00 Y MM	184.5	Y PTM	1575.830	Loc. Method
Prov. Code	CAV CAVITE	Gr. Elev	0.00	Accu.	
Addr/Owner	BCY. BIGA I, SILANG		SILANG WATER DISTRICT		
Mun. Code	SIL SILANG	Year	1990	Pop	93,790
Egy. Code	007 Biga		U	Pop	4,103

SCREEN 4: STEP DRAWDOWN PUMPING TEST

LWUA

Date	01/05/94	By		No Steps / Duration (min)	5/00
Q Max (l/s)		16.00	Transmissiv. (m ² /sec*10 ⁻³)		
Total Spec. Drawd. X _{6sw} (m)		8.67	Aquifer Loss Conf. B(sec/m ²)		
Specific Capacity (l/s/m)		1.85	Well Loss Const. -C(sec ² /m ⁵)		0

SCREEN 2: WELL CONSTRUCTION DATA

LWUA

Sorehole Depth # (mm)	Casing # (mm)	Type	Top (mbg)	Bot (mbg)	Screen Type	Perf	Slot (mm)	Top (mbg)	Bot (mbg)
101.0	400	250	ST	0.00	101.0	ST	MP	93.0	99.0
225.0	350	200	ST	101.0	225.0	ST	MP	103.0	110.0
						ST	MP	115.0	126.0
						ST	MP	130.0	158.0
						ST	MP	188.0	194.0
						ST	MP	210.0	220.0

Comp Date	01/09/94	Level		Own'p		Type		Use	
Operating?		Lift. Device		Gravel Pack # (mm)	4.0		7.0		
M.P. ab. Ground (m)		Static WL (mbmp)	64.84	MSL	-64.84				

SCREEN 3: STRATA LOG DATA

LWUA

Driller	LWUA	Drill. Method		Described by	
Depth to Underside of Layer (mbg)	Form.	F. Area	Logs	SP RS	Perm. Class
	Code	Brief Description of Penetrated Strata			

SCREEN 5: CONSTANT DISCHARGE PUMPING TEST

LWUA

Date	01/06/94	By		Drawdn.	Recov.
Duration (min)		4320	Trans. (m ² /sec*10 ⁻³)		
Discharge (l/s)		16.07	OBSERVATION WELL NO.		
Total Drawdown (m)		9.47	Storage (*10 ⁻³)		
Sp. Cap. End Test (l/s/m)		1.7	Leakage (α-1*10 ⁻¹⁰)		
Well Potential			Trans. (m ² /sec*10 ⁻³)		

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

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

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 ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)	Date	Q (m ³ /h)

SCREEN 9: CHLORIDE CONTENT HISTORY

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