

DATA 5

TEST BOREHOLE DRILLING SURVEY

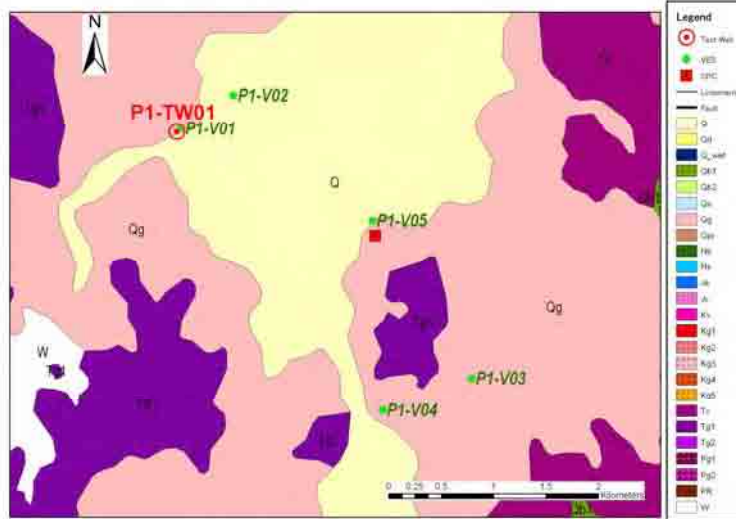
DATA 5 TEST BOREHOLE DRILLING SURVEY

5.1 Results of the Drilling, Well Construction and Geophysical Logging in Borehole

Results of the drilling well construction and geophysical logging in borehole are tabulated in borehole log well location map, schematic diagram of well structure and logging diagram, respectively.

P-1: Xuan Phuoc (1/2)

Boring Location Map

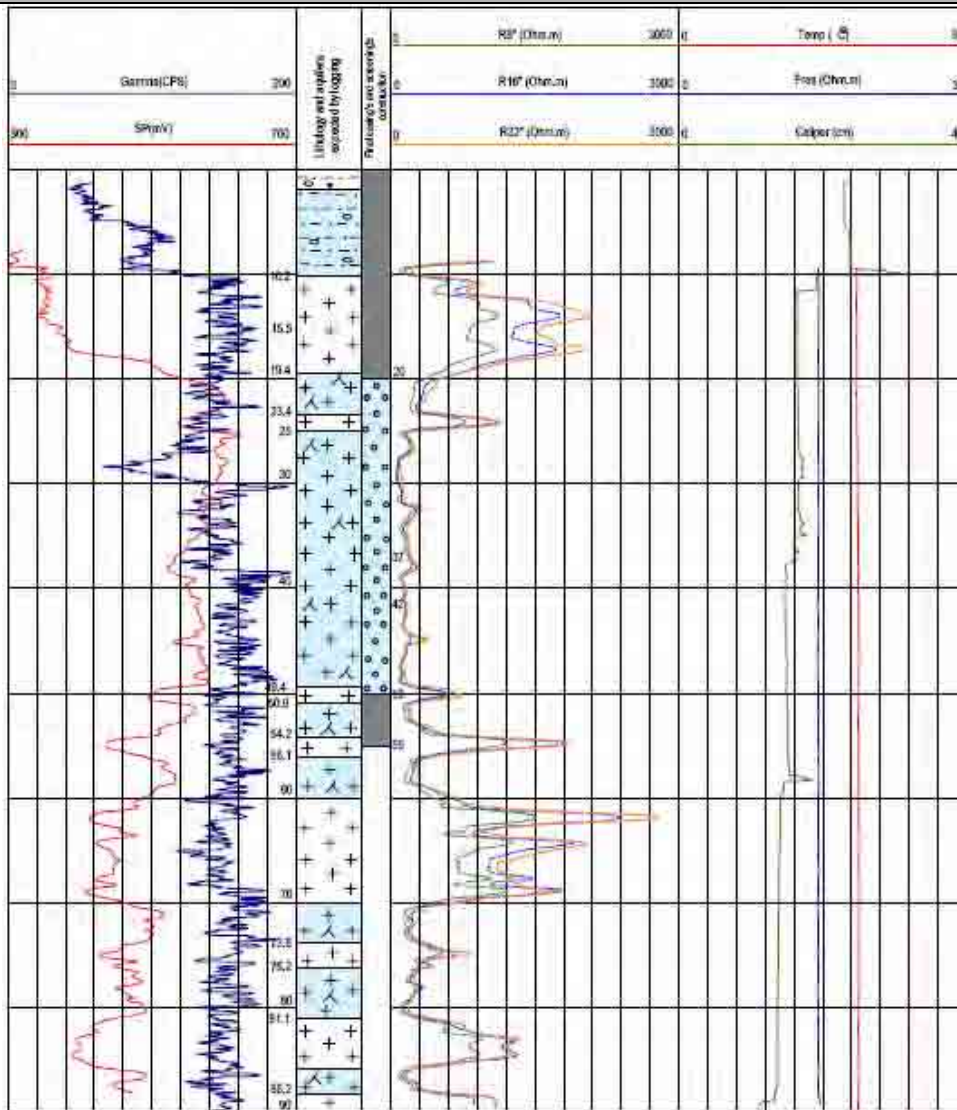


Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	amQ ₁ ³	10.0	10.0	40	[Symbol: dots and dashes]	Sand, clay, gravel
10						
15	GSy/T ₂ vC ₂	20.0	10.0	90	[Symbol: +]	Granit
20						
25						
30						
35						
40						
45						
50						
55						
60						
65	[Symbol: +]	50.0	30.0	80.0	[Symbol: +]	Granit, fracture
70						
80						
90						
100		100.0	50.0	95	[Symbol: +]	Granit

Logging Diagram

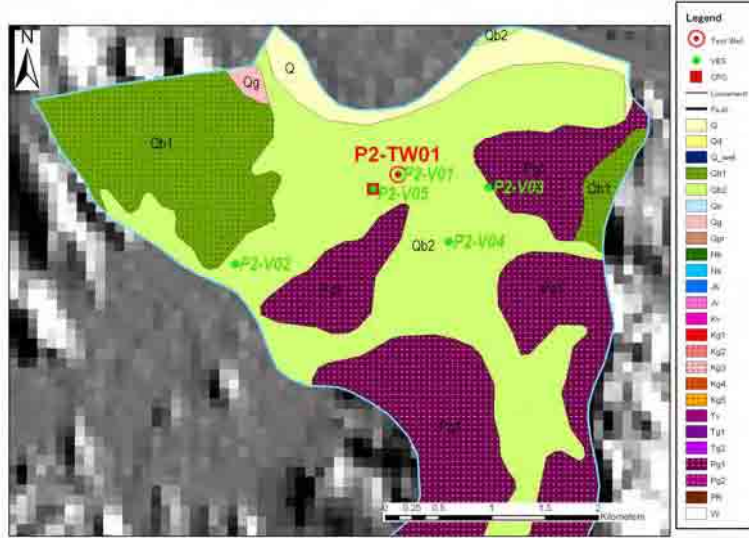


LEGEND

- Unconsolidated sediments:
 Sand and clay associated
 with grit and gravels
- Granit with structure
 strongly fissured
- Granit with compact
 structure
- Expected zones of water
 bearing by logging
- Final construction
 of casing and screening

P-2: An Dinh (1/2)

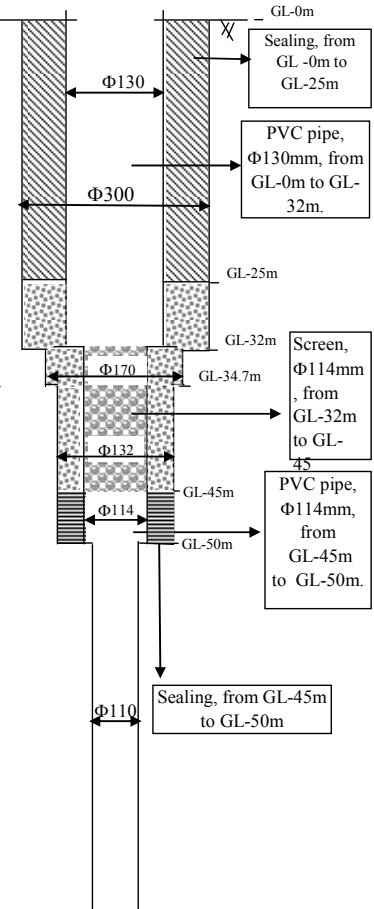
Boring Location Map



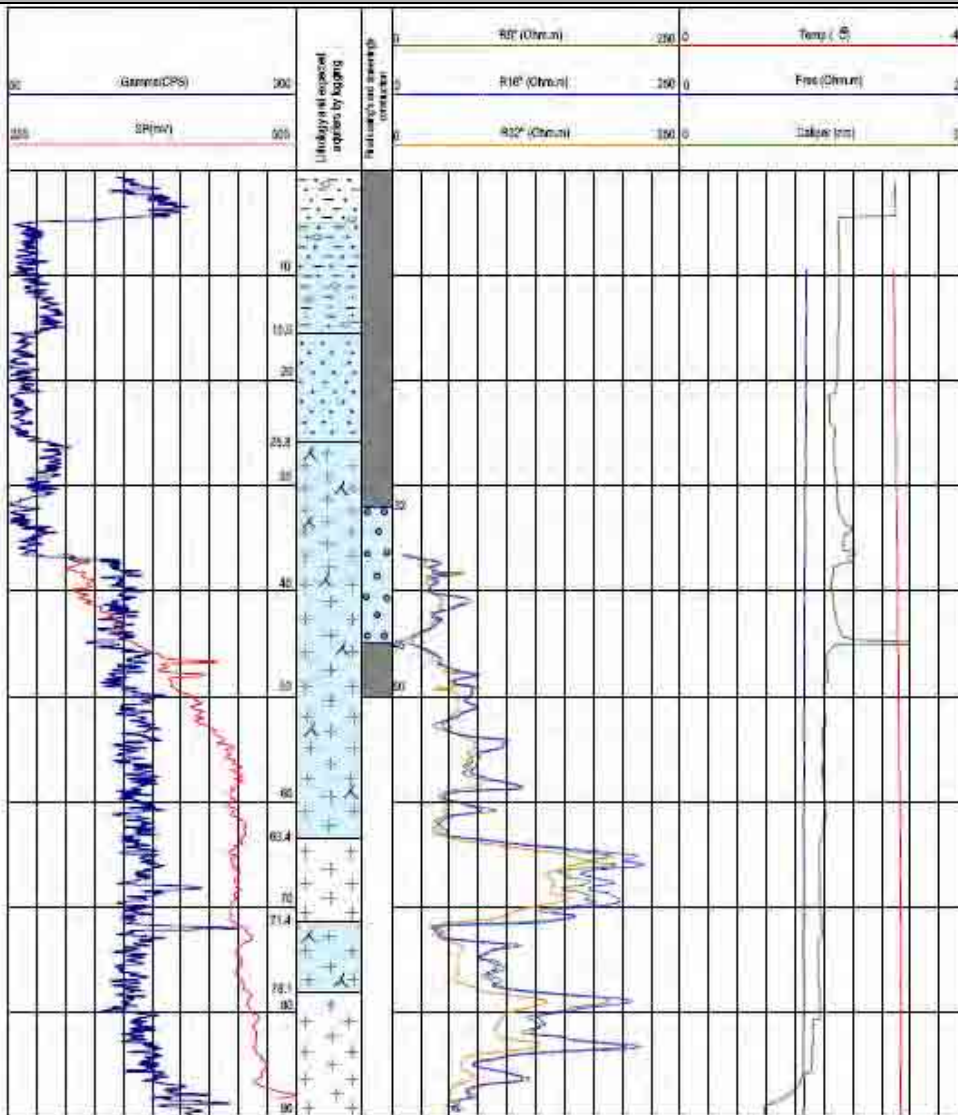
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	mbQ ₂ ²⁻³	10.0	10.0	40	[Symbol: Dotted]	Sand, clay
10		15.0	5.0	10	[Symbol: Wavy]	Mud, black colour
15		25.0	10.0	40	[Symbol: Dotted]	Fine sand
20	mQ ₁ ³	35.0	10.0	35	[Symbol: Cobble]	Cobble, gravel, sand, clay
25		45.0	10.0	50.0	[Symbol: Plus]	Granit, fracture
30	GSy/K ₂ d ₂				[Symbol: Plus]	
35					[Symbol: Plus]	
40					[Symbol: Plus]	
45					[Symbol: Plus]	
50					[Symbol: Plus]	
55					[Symbol: Plus]	
60					[Symbol: Plus]	
65				[Symbol: Plus]		
70				[Symbol: Plus]		
75				[Symbol: Plus]		
80				[Symbol: Plus]		
85				[Symbol: Plus]		
90				[Symbol: Plus]		
95				[Symbol: Plus]		
100		100.0	55.0	95	[Symbol: Plus]	Granit



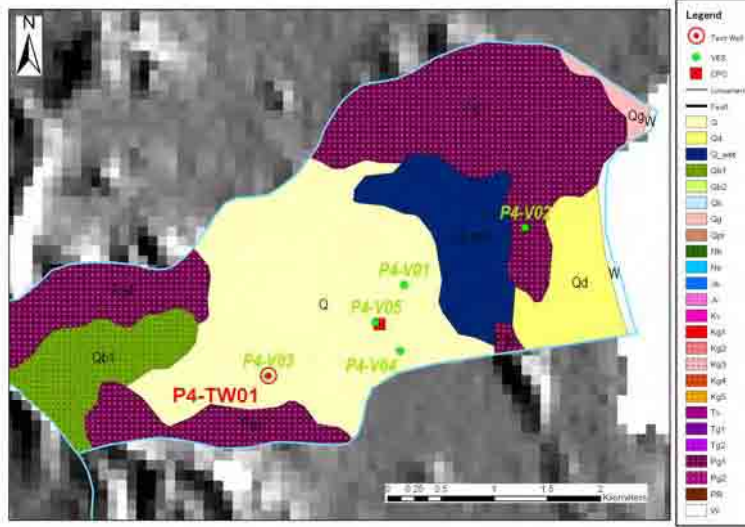
Logging Diagram



LEGEND

- Unconsolidated sediments
Sand and clay associated
with grit and gravels
- Sand layer by different
sizes of grains
- Granite with structure
strongly fissured
- Granite with compact
structure
- Expected zones of water
bearing by logging
- Final construction of casing
and screening

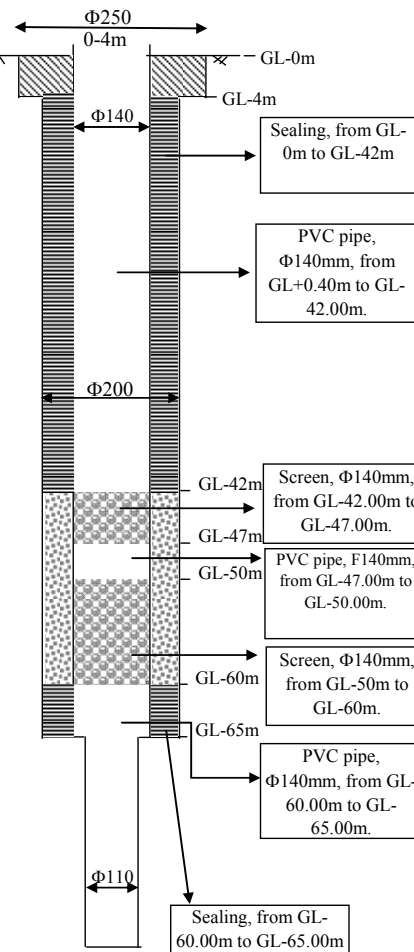
Boring Location Map



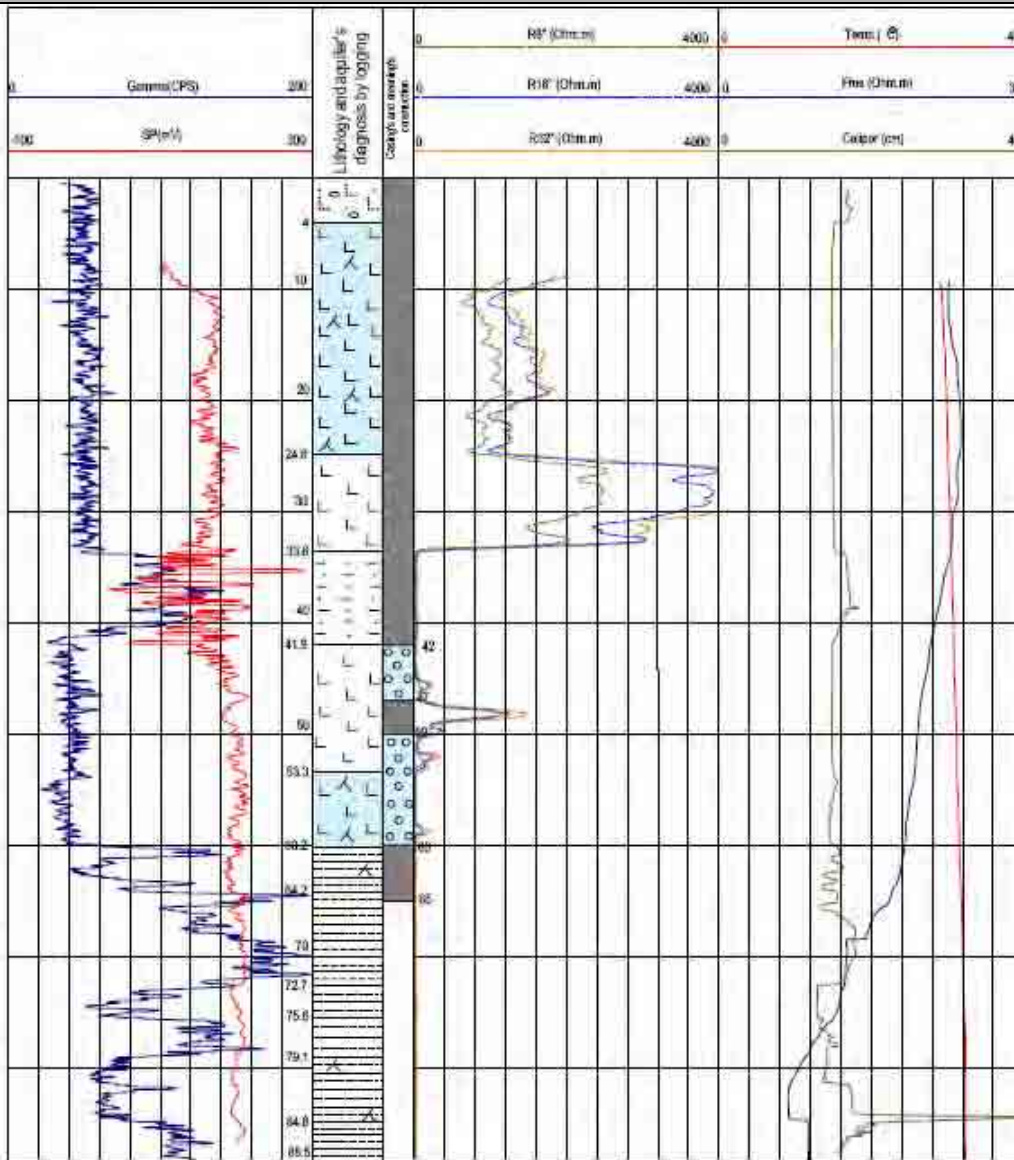
Boring Log

Well Structure


Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	B/N ₁ ³ dn	3.5	3.5	60.0		Bolder, cobble
10						Basalt
15						
20						Basalt
25						
30						Basalt
35						
36.0		32.5	85.0			Basalt
40						
41.0		5.0	90.0			Clay stone
45						Basalt, fracture
50						
55						Basalt, fracture
60						
62.0		21.0	90.0			Basalt, fracture
65						
70						Clay stone, silt stone
80						
90						
100		100.0	38.0	100.0		



Logging Diagram

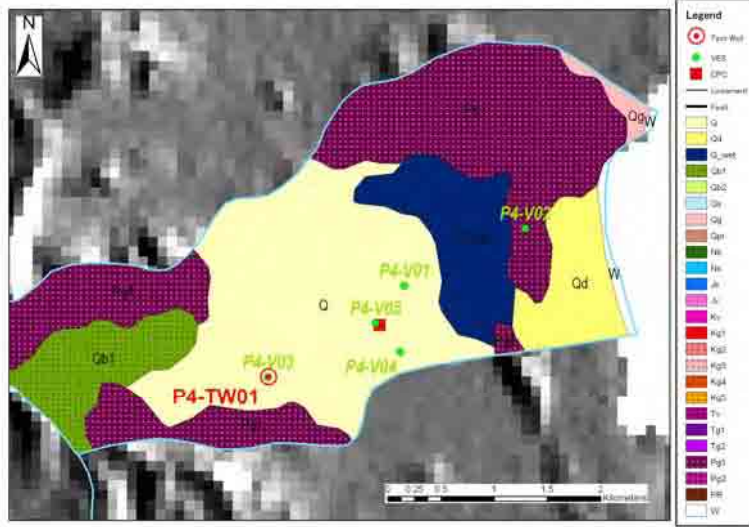


LEGEND

- | | | | | | | | |
|---|---|---|--|--|--|---|--|
|  | Basalt completely weathered in clay, associated with grit and gravels |  | Compact basalt with small grade of fissuring |  | Basalt, strongly compacted |  | Unconsolidated layer composed by silt |
|  | Siltstone, fissured |  | Claystone |  | Expected zones of water bearing by logging |  | Final construction of casing and screening |

P-4: An My (1/2)

Boring Location Map



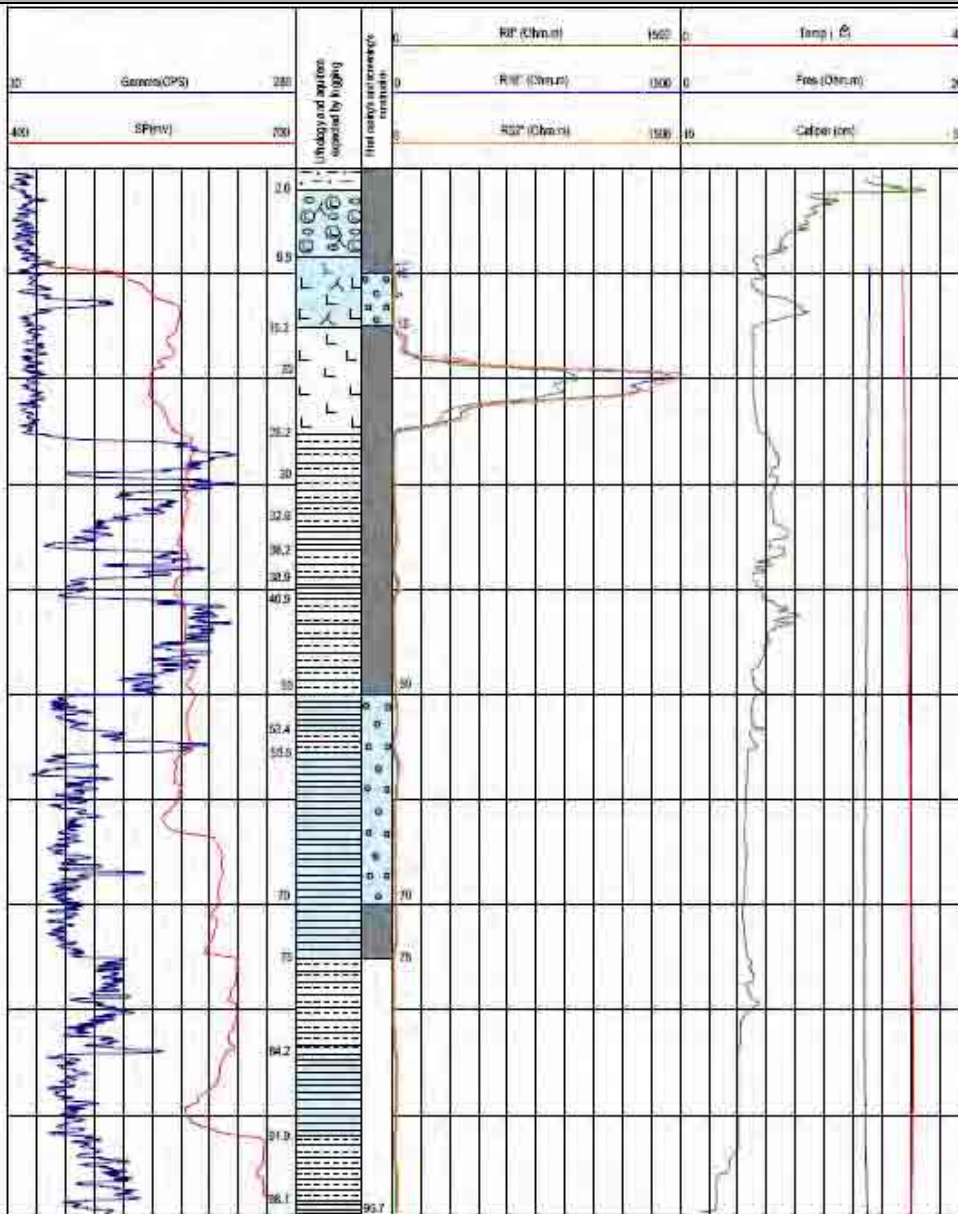
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	dQmQ ₁ ²	8.0	8.0	80.0		Clay, cobble, sand
10	B/N ₁ ³ dh	10.0	2.0	80.0		Basalt weathering
15		26.0	18.0	75.0		Basalt
20						
25	50.0	24.0	80		Silt-clay stone	
30						
35						
40	74.0	24.0	80		Cobble-sand stone	
45						
50						
55	80.0	6.0	80		Clay stone	
60						
65						
70	100.0	20.0	80		Sand stone	
75						
80						
85						
90						
95						
100						

The well structure diagram shows a vertical well with the following components from top to bottom:
 - Surface casing: Φ250, 0-10m depth.
 - Sealing: from GL-0m to GL-10m.
 - Screen: Φ140mm, from GL-10m to GL-15m.
 - PVC pipe: Φ140mm, from GL-15m to GL-50m.
 - Gravel packing: between GL-15m and GL-50m.
 - Screen: Φ140mm, from GL-50m to GL-70m.
 - PVC pipe: Φ140mm, from GL-70m to GL-75m.
 - Sealing: from GL-70m to GL-75m.
 - Bottom casing: Φ110, starting from GL-75m.

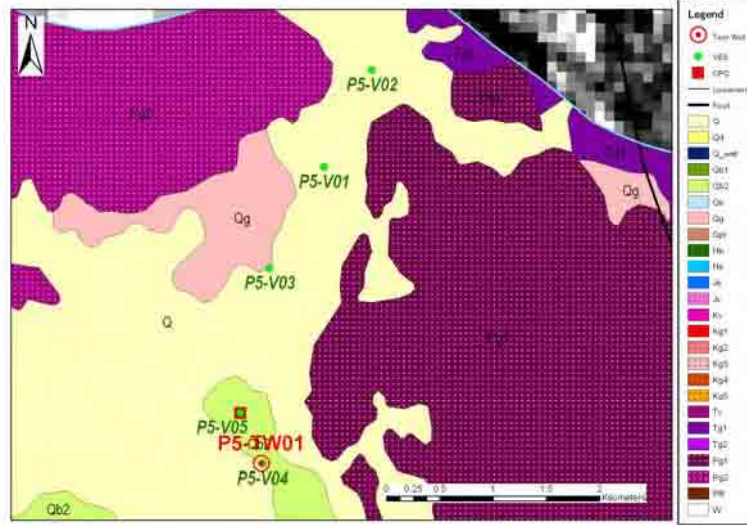
Logging Diagram



LEGEND

- Too salt Clay associated with sand
- Senti-weathered zone of basaltic rock
- Fresh basalt, highly fissured
- Basalt with compact structure and very low degree of fissuration
- Claystone
- Siltstone
- Sandstone with low degree of consolidation
- Expected zones of water bearing by logging

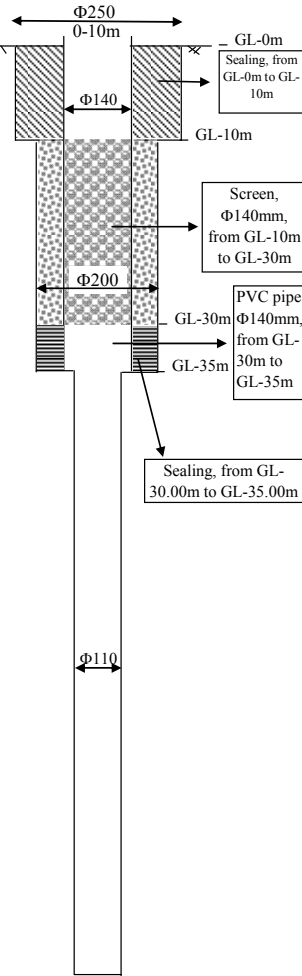
Boring Location Map



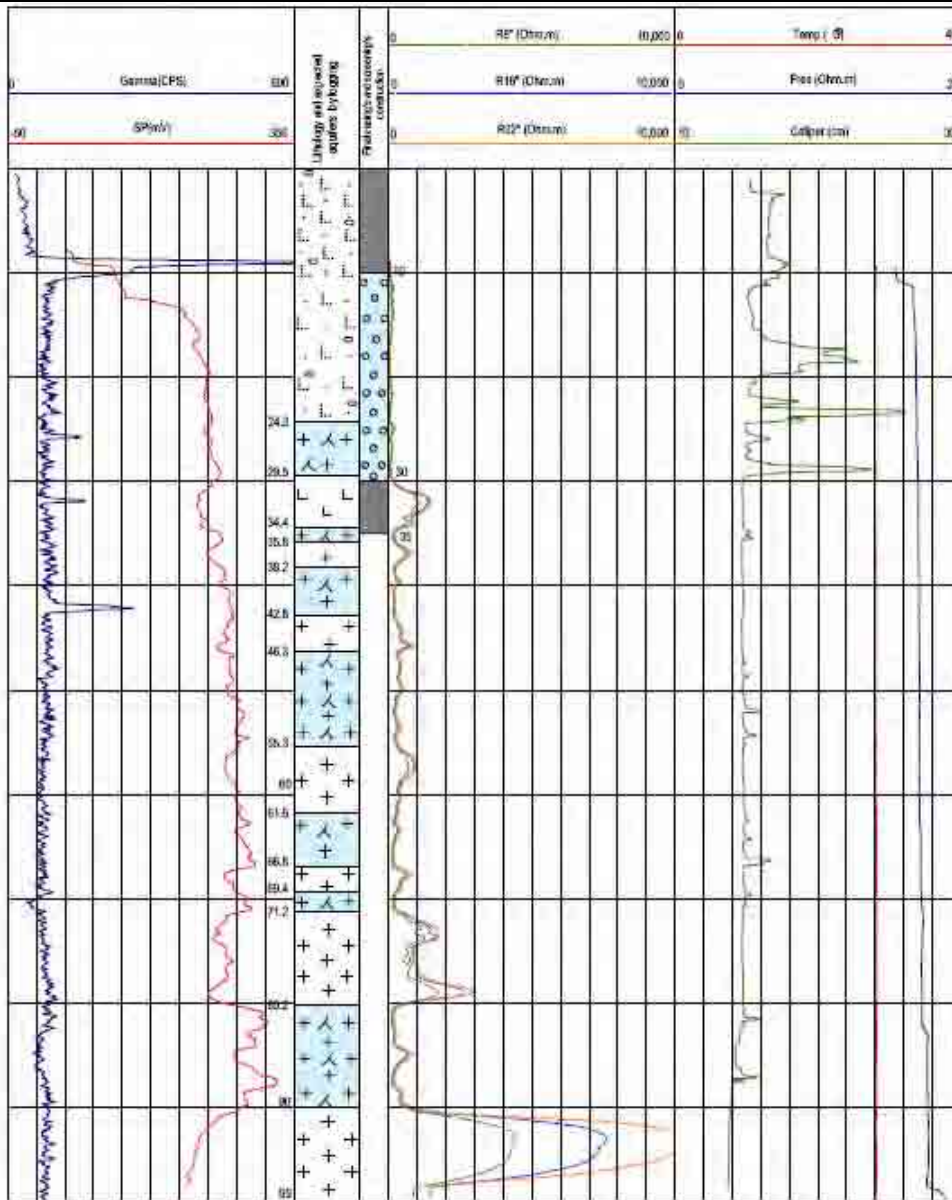
Boring Log

Well Structure


Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
0-5	dQ	1.0	1.0	100	—	Clay, gravel
5-10	B/N ₁ /dn	10.0	9.0	85	L L L L	Basalt
10-20		23.0	13.0	<5	L L L L L L	Basalt, weathering, fracture
20-30	Gb/K ₁ /dq	30.0	7.0	60	L L L L	Granit, fracture
30-40					+ +	
40-50					+ +	
50-60				+ +		
60-70				+ +		
70-80				+ +		
80-90				+ +		
90-95				+ +		
95-100		100.0	70.0	100	+ +	Granit





Logging Diagram





LEGEND

- 

Basalt completely weathered in clay, associated with grit and gravels
- 

Granite with fissured structure
- 

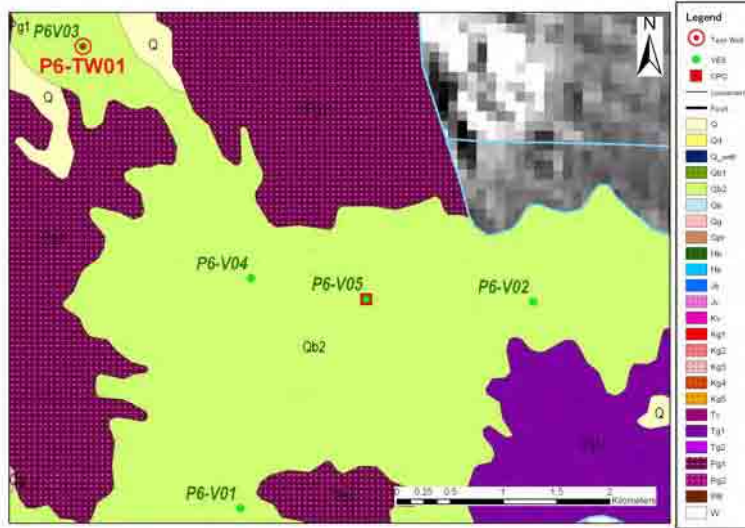
Granite, no fissured
- 

Expected zones of water bearing by logging
- 

Final construction of casing and screening

P-6: Ea Cha Rang (1/2)

Boring Location Map

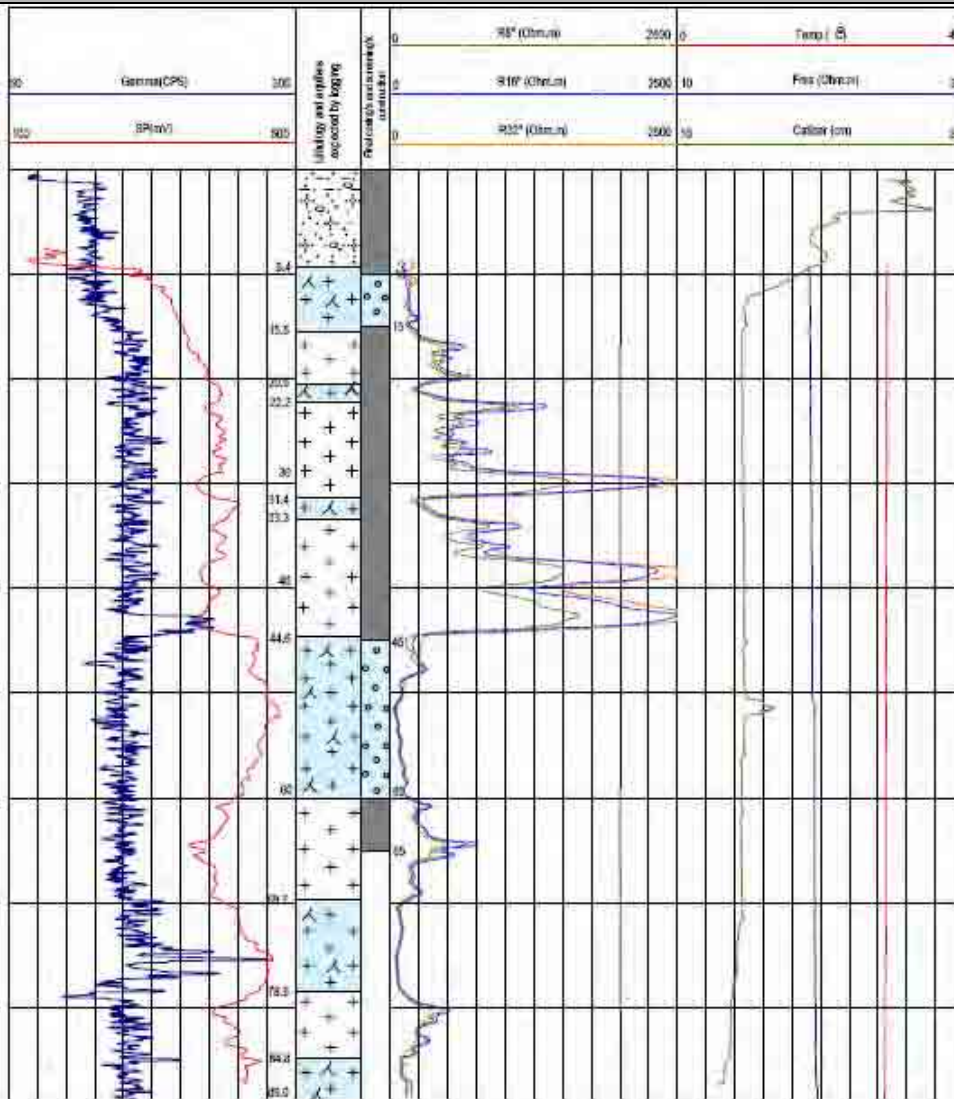


Boring Log






Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe	Well Structure	
5	edQ	4.0	4.0	60.0	[Symbol]	Sand, clay, gravel	GL-0m	Sealing, from GL -0m to GL-10 m
10		10.0	6.0	60.0	[Symbol]	Granit, weathering	GL-10m	Screen, $\Phi 140$ mm, from GL-10m to GL-15m
15	GD ₁ /PZ ₃ bg-gs	15.0	5.0	65	[Symbol]	Granit, fracture	GL-15m	PVC pipe, $\Phi 140$ mm, from GL-15m to GL-45m
20					[Symbol]			Gravel packing
25					[Symbol]			
30					[Symbol]			
35				[Symbol]				
40				[Symbol]				
45		45.0	30.0	85	[Symbol]	Granit	GL-45m	Screen, $\Phi 140$ mm, from GL-45m to GL-60m
50					[Symbol]			
55					[Symbol]	Granit, fracture	GL-60m	PVC pipe, $\Phi 140$ mm, from GL-60m to GL-65m.
60		60.0	15.0	70	[Symbol]		GL-65m	Sealing, from GL-60m to GL-65m
65					[Symbol]			
70					[Symbol]			
75					[Symbol]			
80					[Symbol]			
85					[Symbol]			
90					[Symbol]			
95					[Symbol]			
100		100.0	40.0	95	[Symbol]	Granit		

Logging Diagram

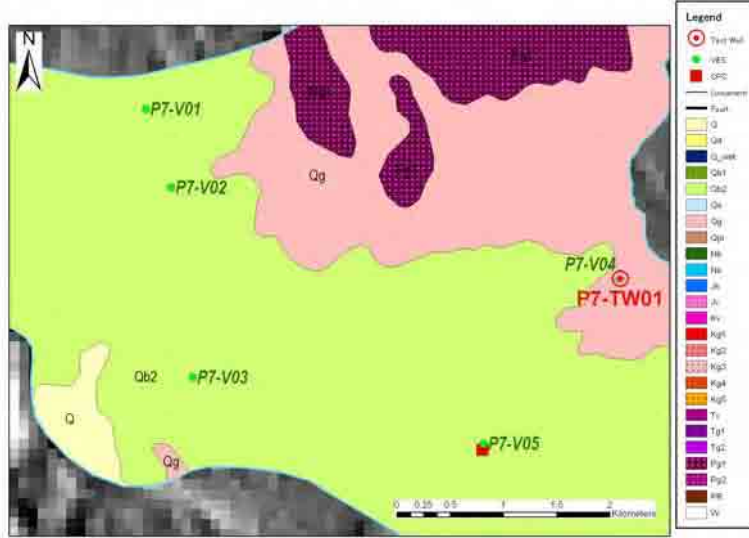


LEGEND

-  Weathered zone of granitic rock or sands by different size of grains associated with gravels
-  Granitic with structure highly fissured
-  Granitic with compact structure
-  Expected zones of water-bearing by logging
-  Final construction of casing and screening

P-7: Suoi Bac (1/2)

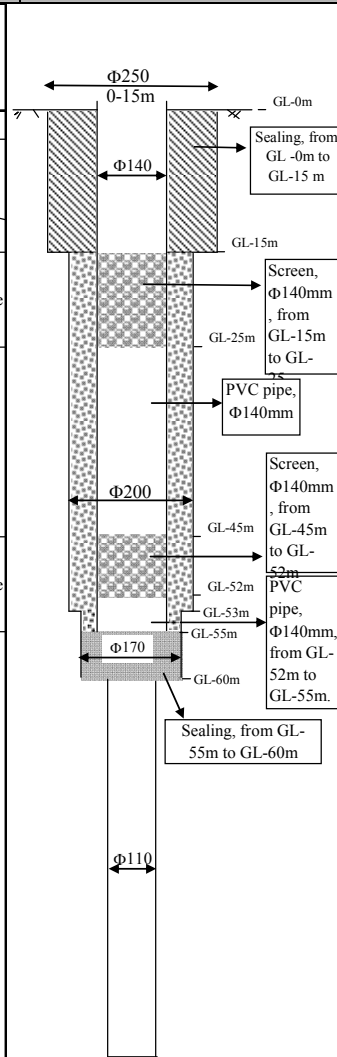
Boring Location Map



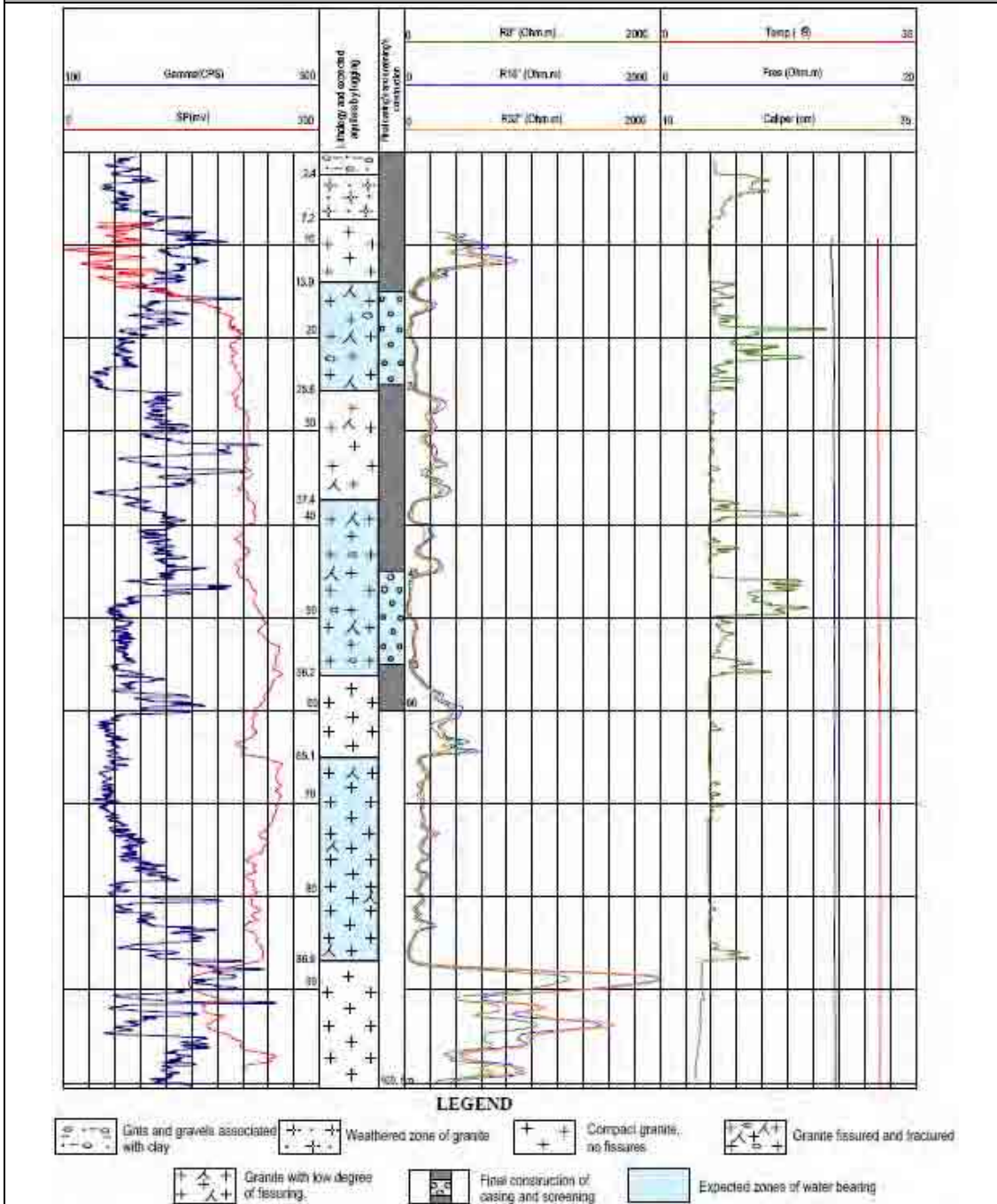
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	pdQ	2.5	2.5	80.0	[Symbol]	Clay
10	GD ₁ /PZ ₃ bg-qs	7.0	4.5	80.0	[Symbol]	Granit, weathering
15		15.0	8.0	95	[Symbol]	Granit
20		25.0	10.0	43	[Symbol]	Granit, fracture
30					[Symbol]	
35					[Symbol]	
45		45.0	20.0	80	[Symbol]	Granit
50					[Symbol]	Granit, fracture
55		55.0	10.0	60	[Symbol]	
60					[Symbol]	
65					[Symbol]	
70					[Symbol]	
75					[Symbol]	
80					[Symbol]	
85					[Symbol]	
90					[Symbol]	
95					[Symbol]	
100		100.0	45.0	95	[Symbol]	Granit

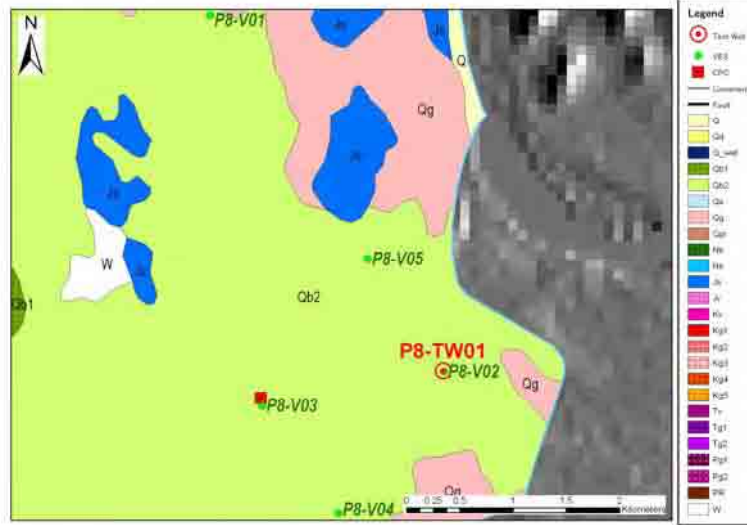


Logging Diagram



P-8: Son Thanh Dong (1/2)

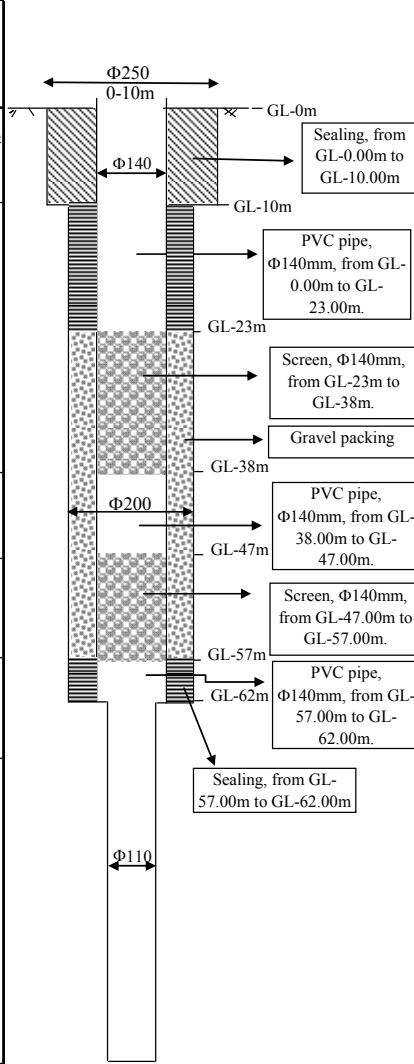
Boring Location Map



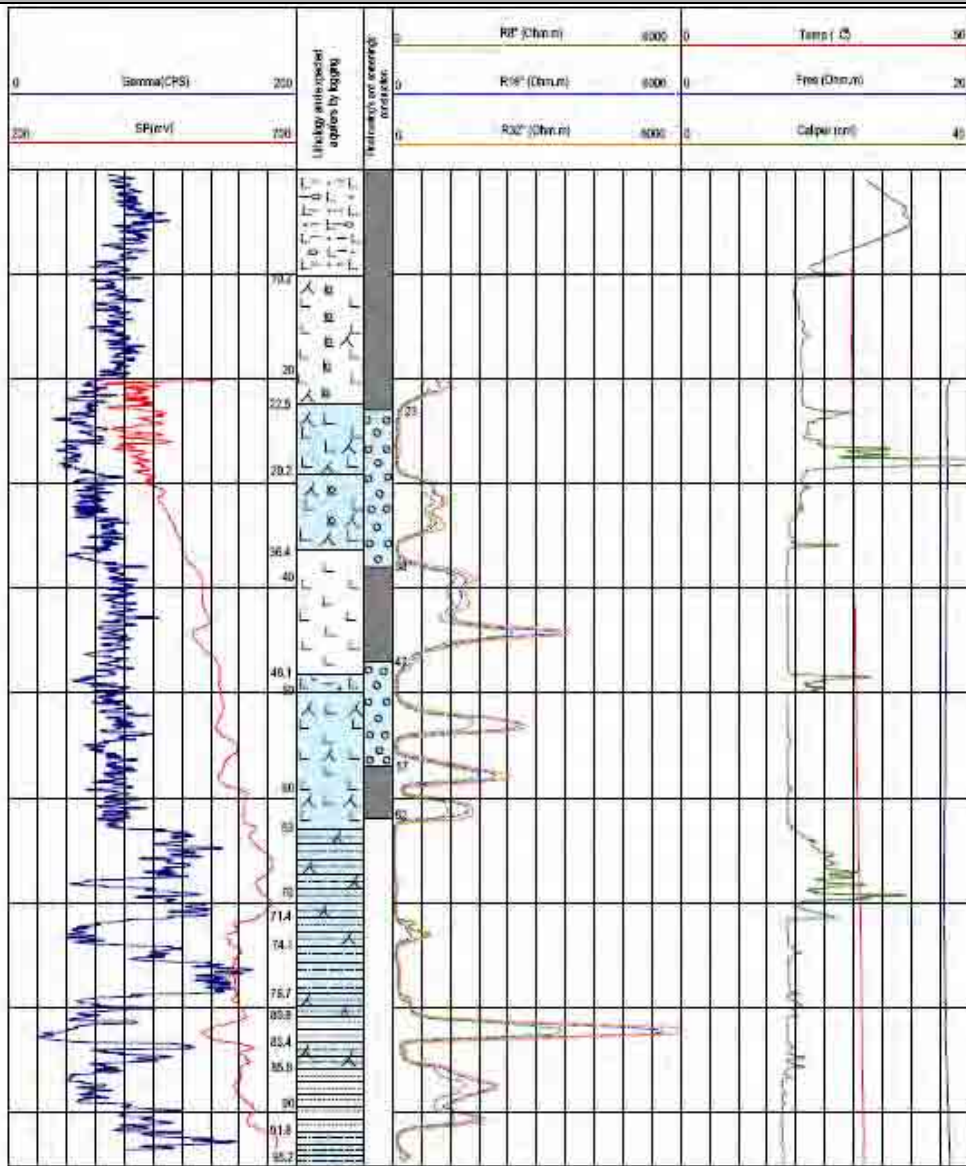
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom (m)	Thickness (m)	Sample rate, %	Stratification	Describe
5	B/N ₁ dn	9.5	9.5	78.0		Clay (Basalt strong weathering)
10						Basalt, fracture
15						Basalt, fracture
20						Basalt, fracture
25						Basalt, fracture
30						
35						
40		38	28.5	63		Basalt, fracture
45		47.0	9.0	70		Basalt
50						Basalt, fracture
55		57.0	10.0	64.0		Basalt
60						Basalt
65		68.0	11.0	75.0		Basalt
70	I ₃ dI					
75						
80						
85						
90						
95						
100		100.0	32.0	100.0		Andesit



Logging Diagram

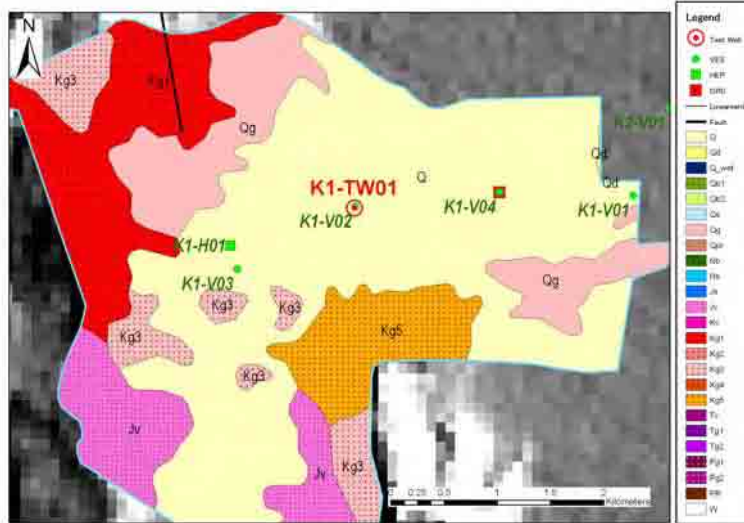


LEGEND

- | | | | |
|--|--|--|--|
| | | | |
| | | | |

K-1: Cam An Bac (1/2)

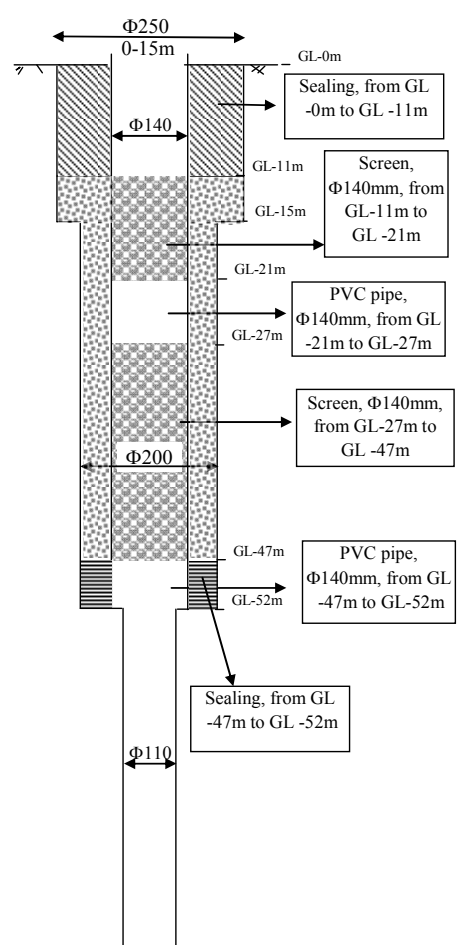
Boring Location Map



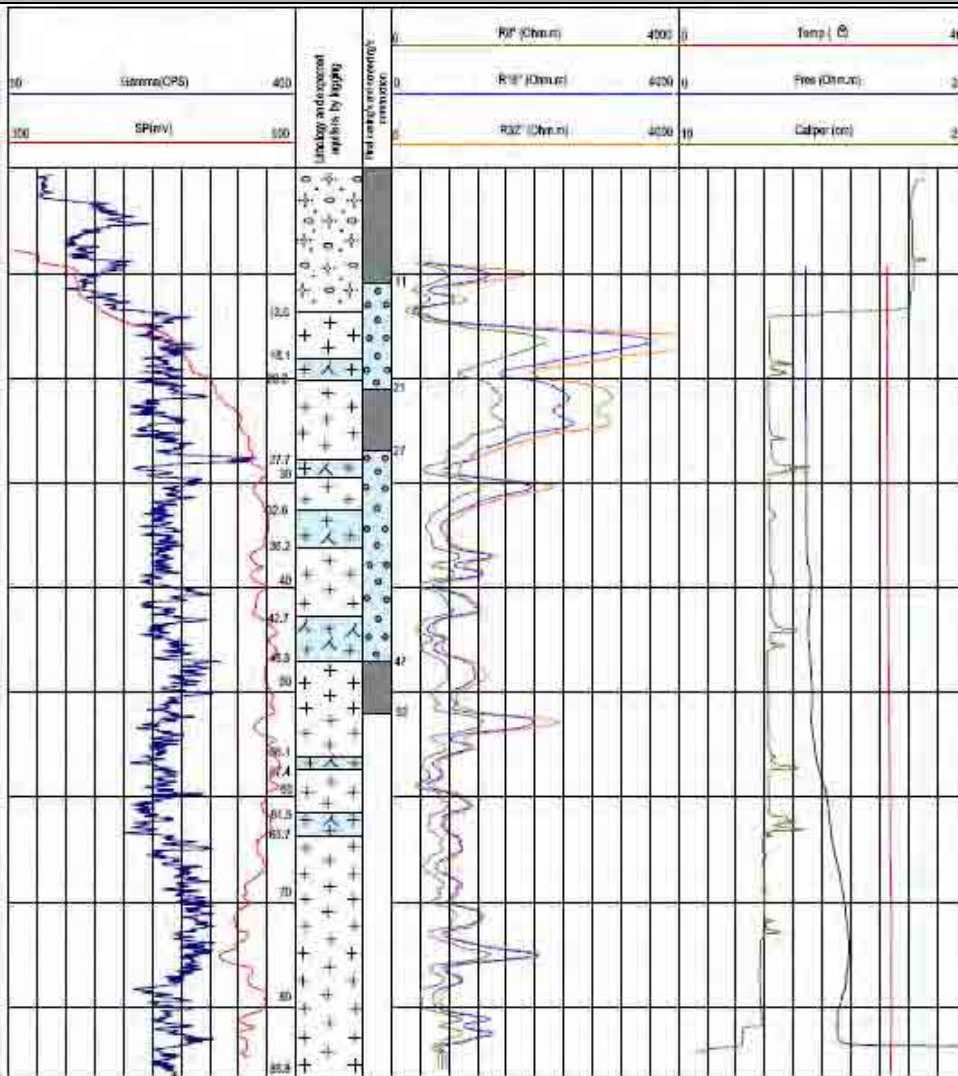
Boring Log

Well Structure




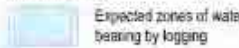

Scale ruler (m)	Geological age	Depth to layer bottom (m)	Thickness (m)	Sample rate, %	Stratification	Describe
5	aQ ₂	11.0	11.0	50		Clay, sand, gravel
10						
15						
20	GSy/Kd ₃	21.0	10.0	75		Granit, weathering, fracture
25						
30						
35						
40	47.0	20.0	75		Granit, fracture	
45						
50						
55						
60						
65						
70	100.0	53.0	95		Granit	
75						
80						
85						
90						
95						
100						



Logging Diagram

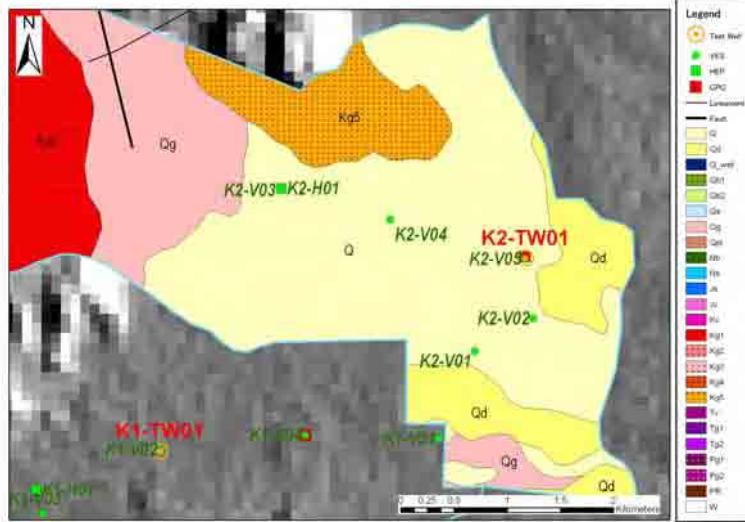


LEGEND

-  Weathered zone granitic rock in sands by different size of grains associated with gravels
-  Granit with structure highly fissured
-  Granit with compact structure
-  Expected zones of water bearing by logging
-  Final construction of casing and screening

K-2: Cam Hiep Nam (1/2)

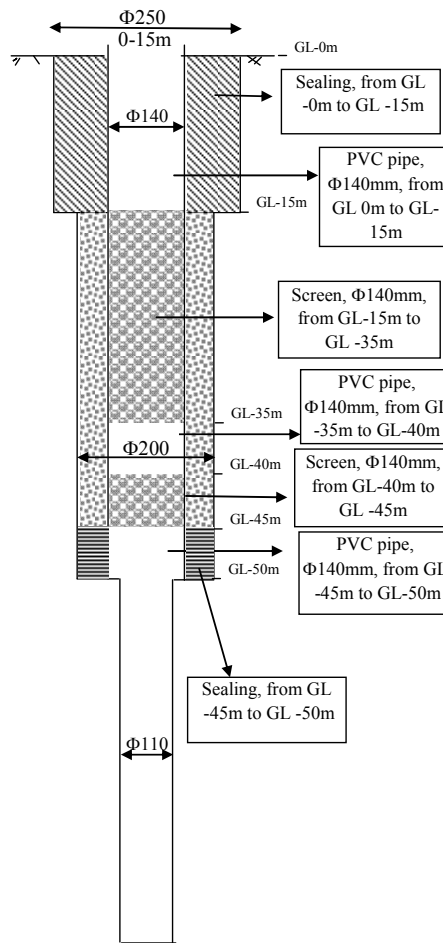
Boring Location Map



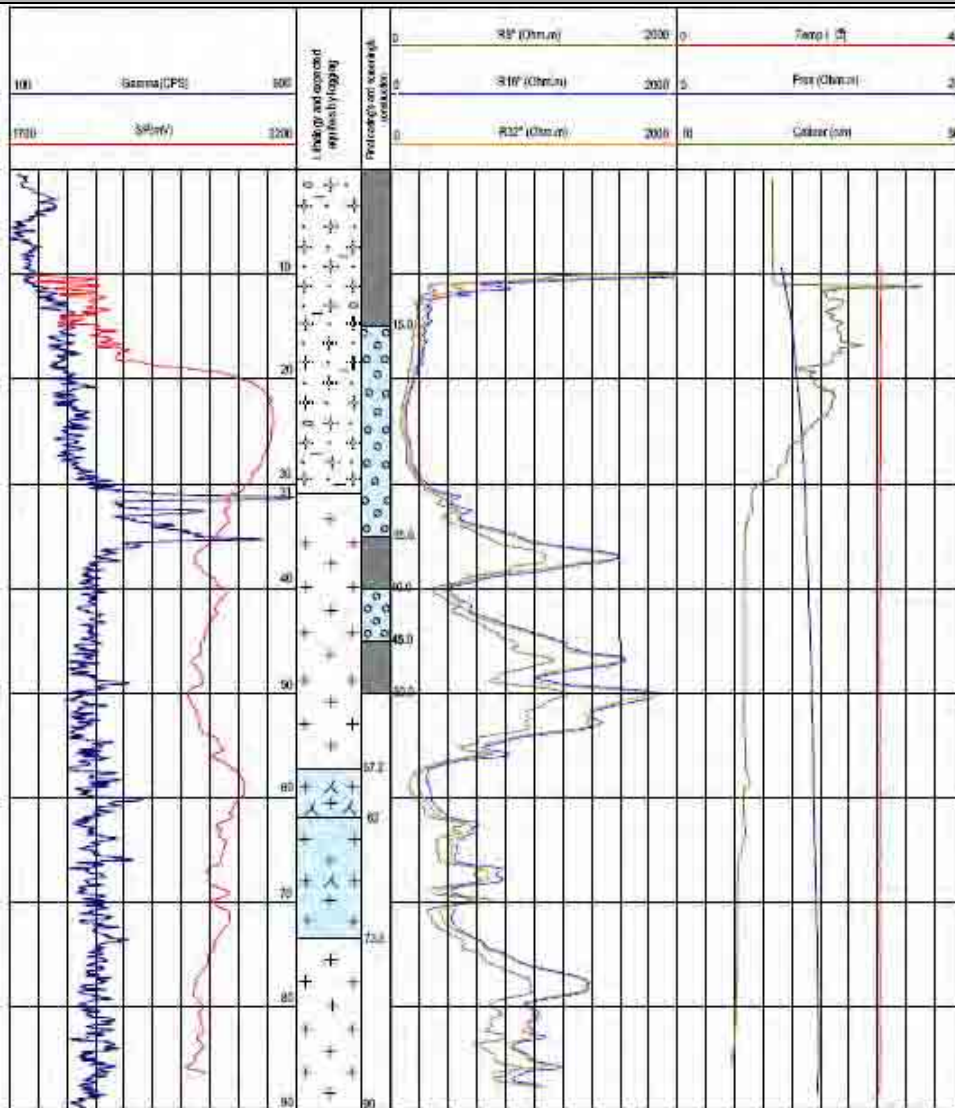
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom (m)	Thickness (m)	Sample rate, %	Stratification	Describe
5	eQ	15.0	15.0	65		Clay, sand, gravel
10						
15						
20	G/K ₂ cn ₂	31.0	16.0	40		Granit, weathering
25						
30						
35						
40						
45		40.0	5.0	85		Granit
50						
55						
60						
65						
70		45.0	5.0	75		Granit, fracture
75						
80						
85						
90						
100		100.0	55.0	95		Granit



Logging Diagram



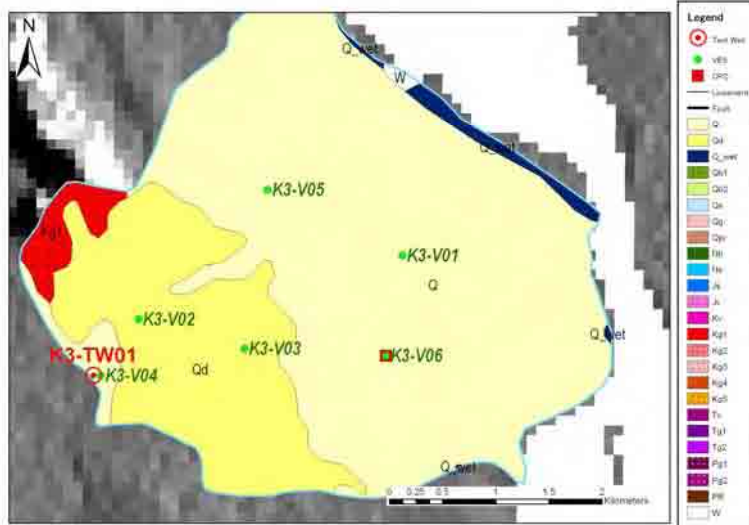
LEGEND

- Granite weathered in sands associated with clay
 - Granite with compact structure, no fissured
 - Granite with compact structure, strongly fissured
 - Granite with compact structure, less fissured
- Expected zones of water bearing in hard rock by logging

 Final construction of casing and screening

K-3: Cam Hai Tay (1/2)

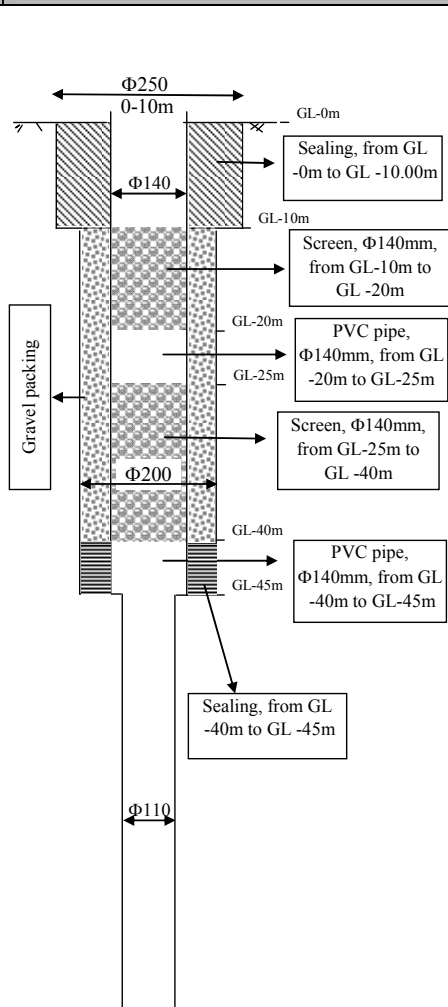
Boring Location Map



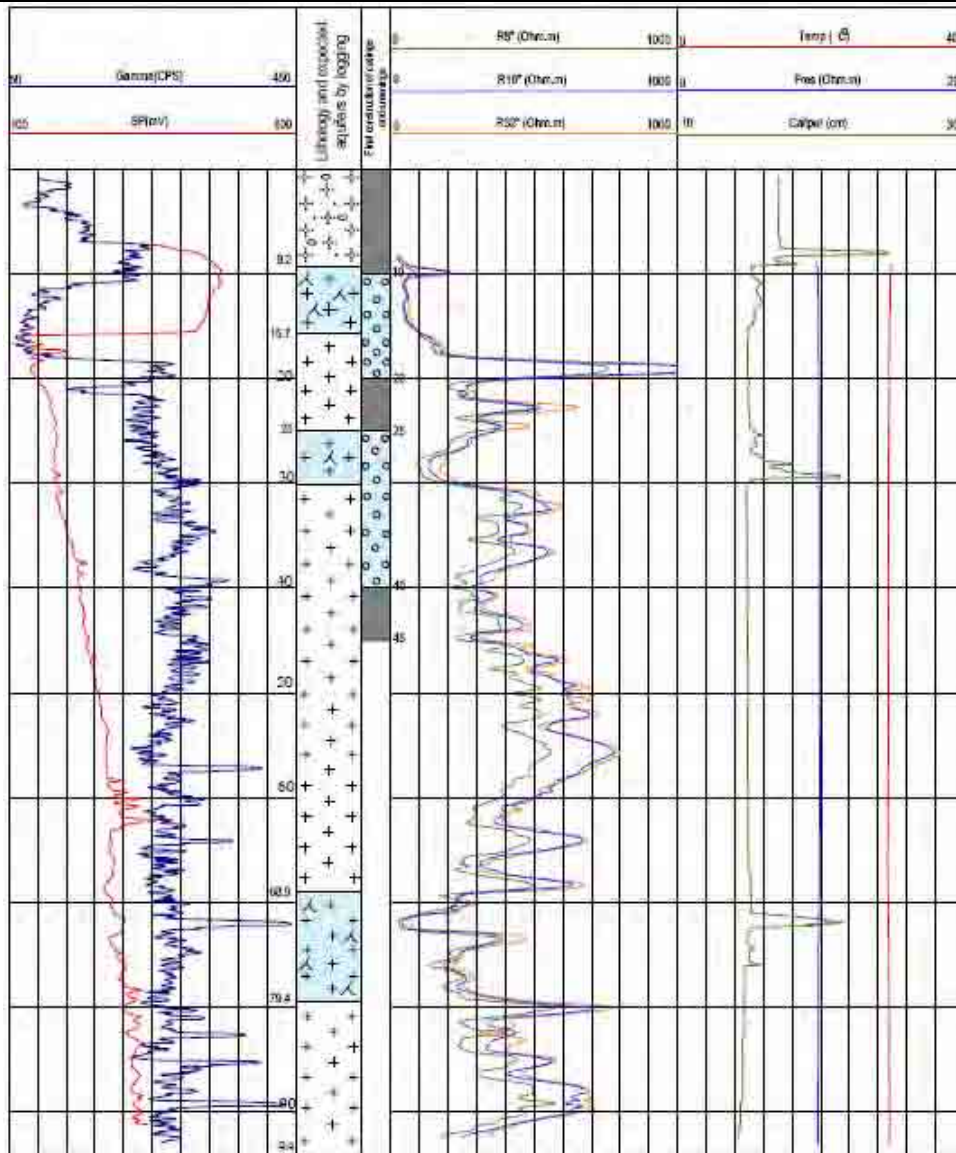
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom (m)	Thickness (m)	Sample rate, %	Stratification	Describe
5	apQ	10.0	10.0	75		Clay, gravel
10						
15	G ₁ /K ₂ cn ₂	20.0	10.0	65		Andesite
20						
25		25.0	5.0	95	+	Granit
30						
35						Granit, fracture
40		40.0	15.0	70	+	
45					+	
50					+	
55					+	
60					+	
65					+	
70					+	
75					+	
80					+	
85					+	
90					+	
95					+	
100		100.0	60.0	95	+	Granit



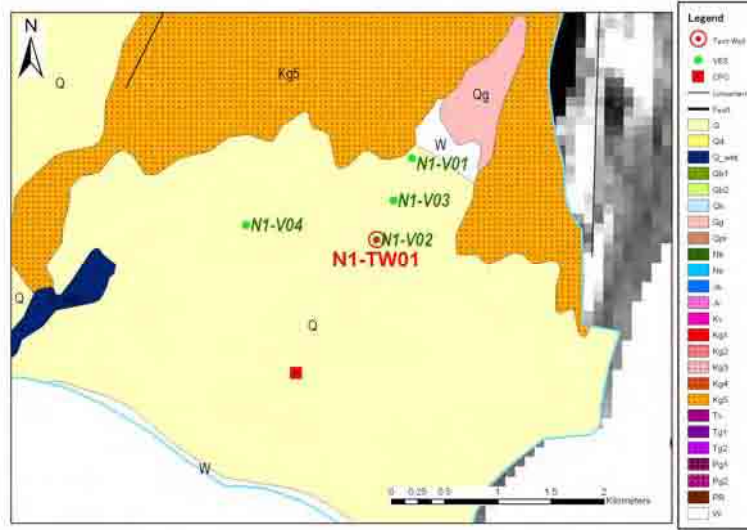
Logging Diagram



LEGEND

-  Completed weathered zone of granite
-  Fissured zone of granitic rock
-  Compact granite
-  Expected water bearing zones in hard rock by logging
-  Final construction of casing and screening

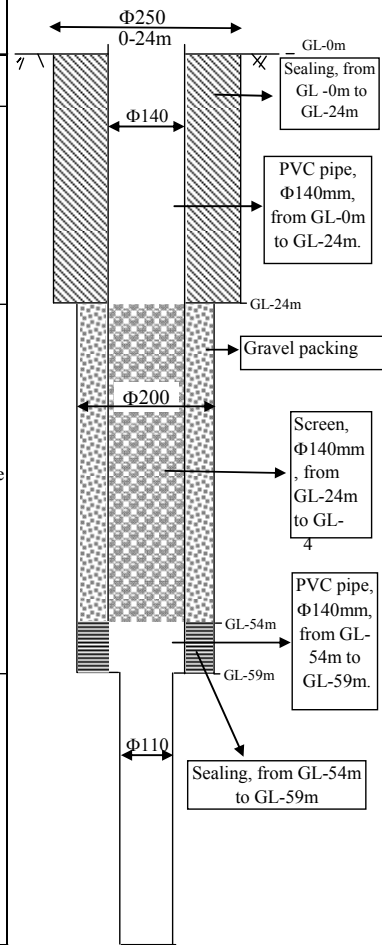
Boring Location Map



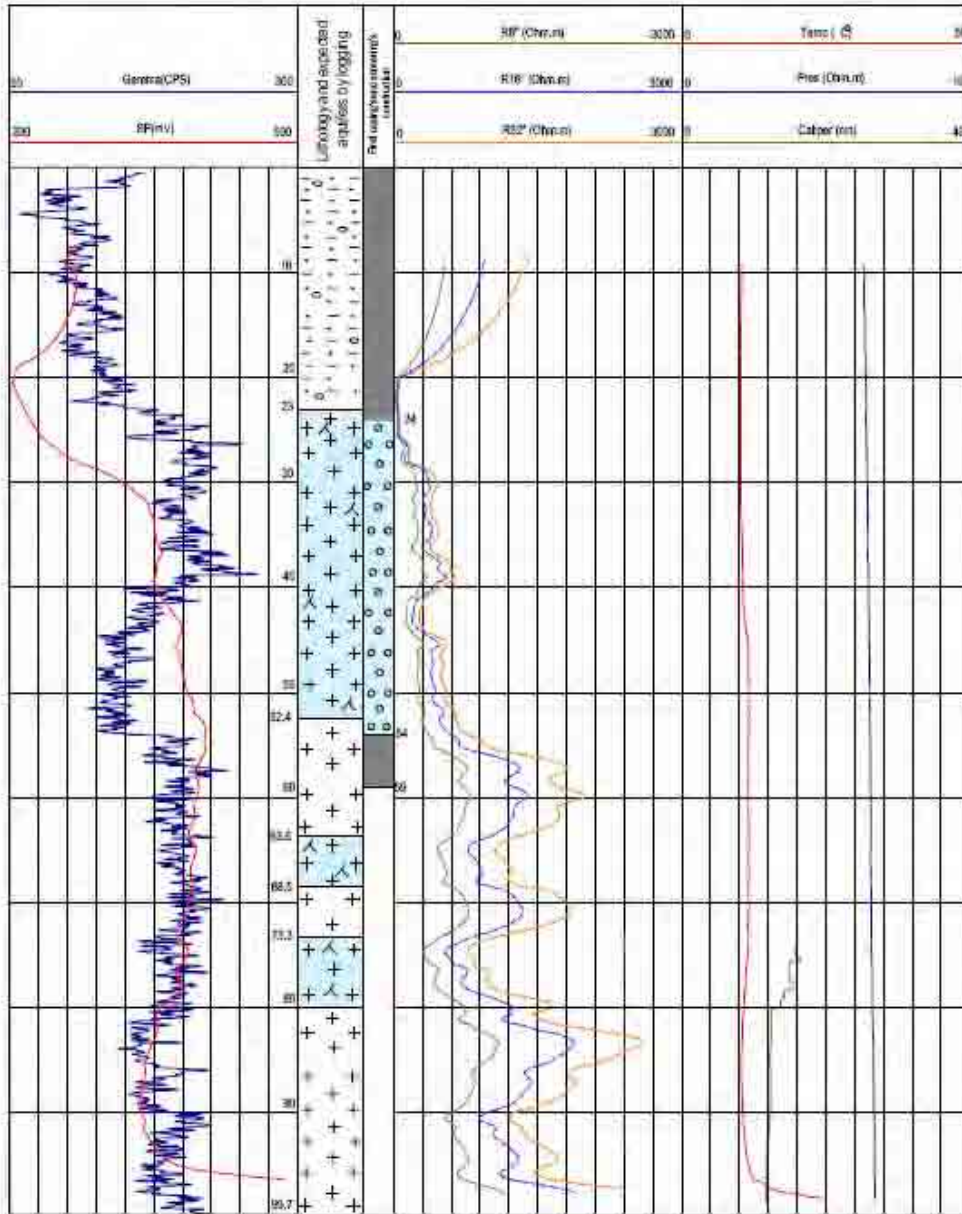
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	mQ_1^3	5.0	5.0	70.0		Sand, clay, gravel
10		24.0	24.0	70		Granite, weathering
15						
20	GSy/K_2dC_2	59.0	35.0	80.0		Granit, fracture
25						
30						
35						
40		100.0	41.0	95		Granit
45						
50						
55						
60						
65						
70						Granit
75						
80						
85						
90						Granit
95						
100						Granit



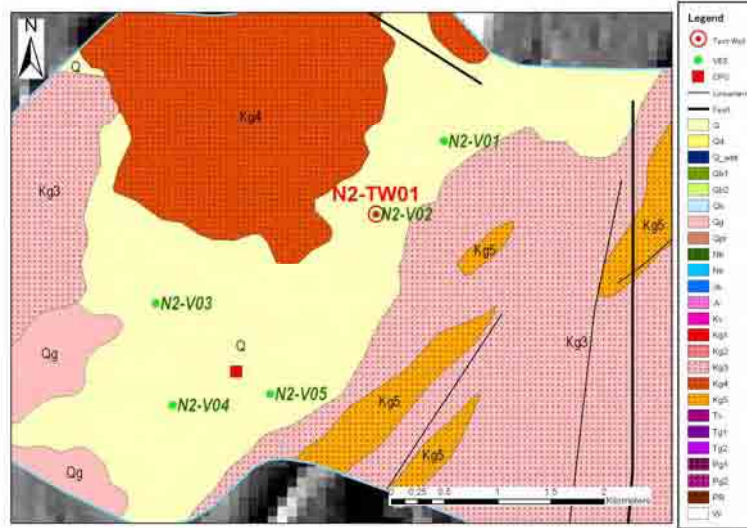
Logging Diagram



LEGEND

- Unconsolidated sediment
Sands and clays
 - Granite with very compact
structure, no fissures
 - Granite with compact
structure, less fissures
 - Expected zones of water
bearing in hard rock
forecasting by logging
- Final construction of
casing and screening

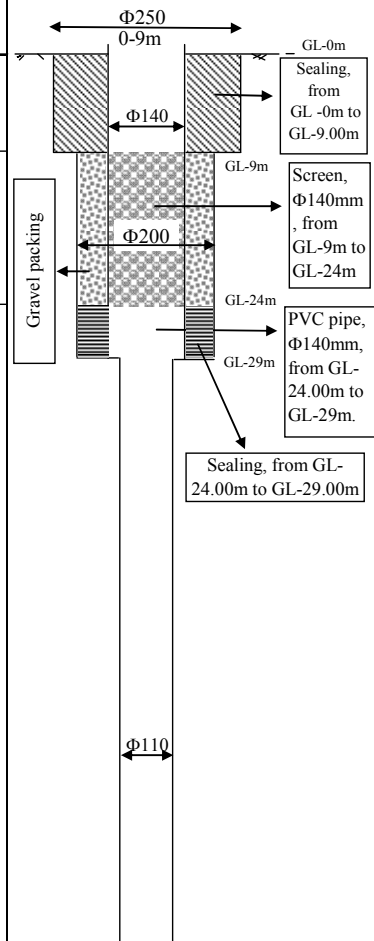
Boring Location Map



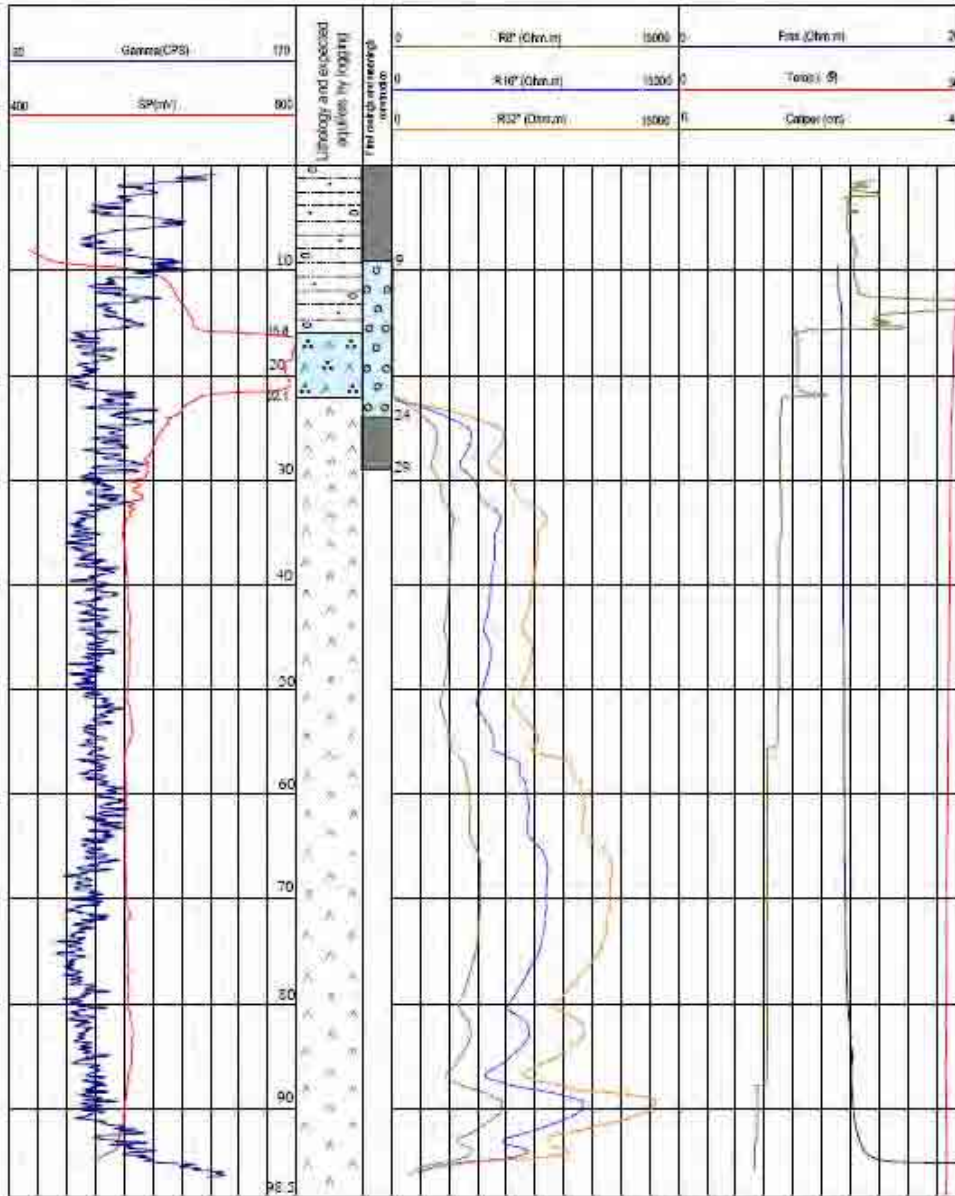
Boring Log

Well Structure






Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	amQ ₂	8.7	8.7	75		Sand, clay, cobble
10	J ₃ db1	24.0	15.3	70		Andesite, fracture
15						
20						
25	J ₃ db1					
30						
35						
40						
45						
50						
55	J ₃ db1					
60						
65						
70						
75						
80	J ₃ db1					
85						
90	J ₃ db1					
95						
100	J ₃ db1	100.0	76.0	95		Andesite



Logging Diagram

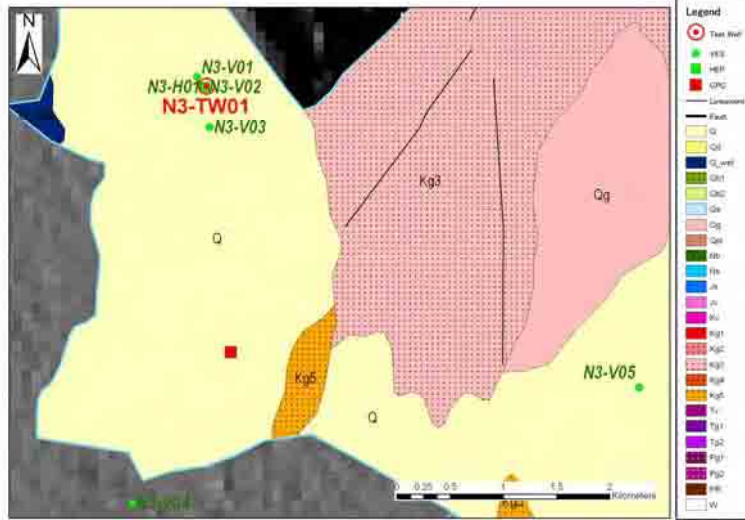


LEGEND

-  Covered layer: Clayed sand associated with grits and gravels
-  Weathered zone of eruptive rock
-  Very compact eruptive rock; no fissures, no capacity of water bearing
-  Expected zone of water bearing in hard rock by logging
-  Final construction of casing and screening

N-3: Bac Son (1/2)

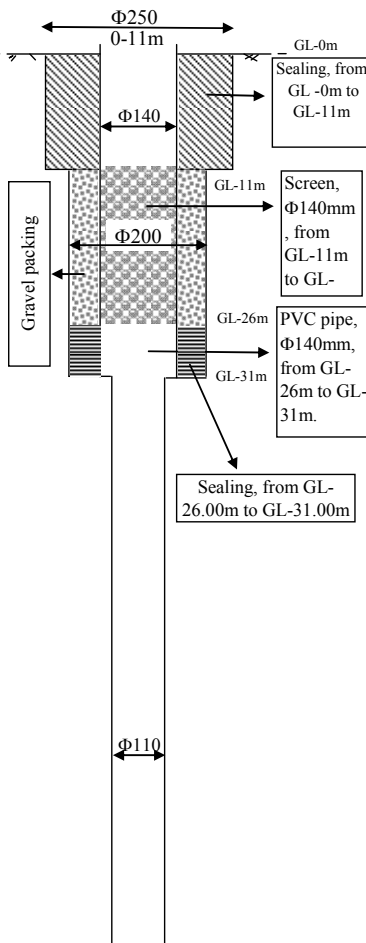
Boring Location Map



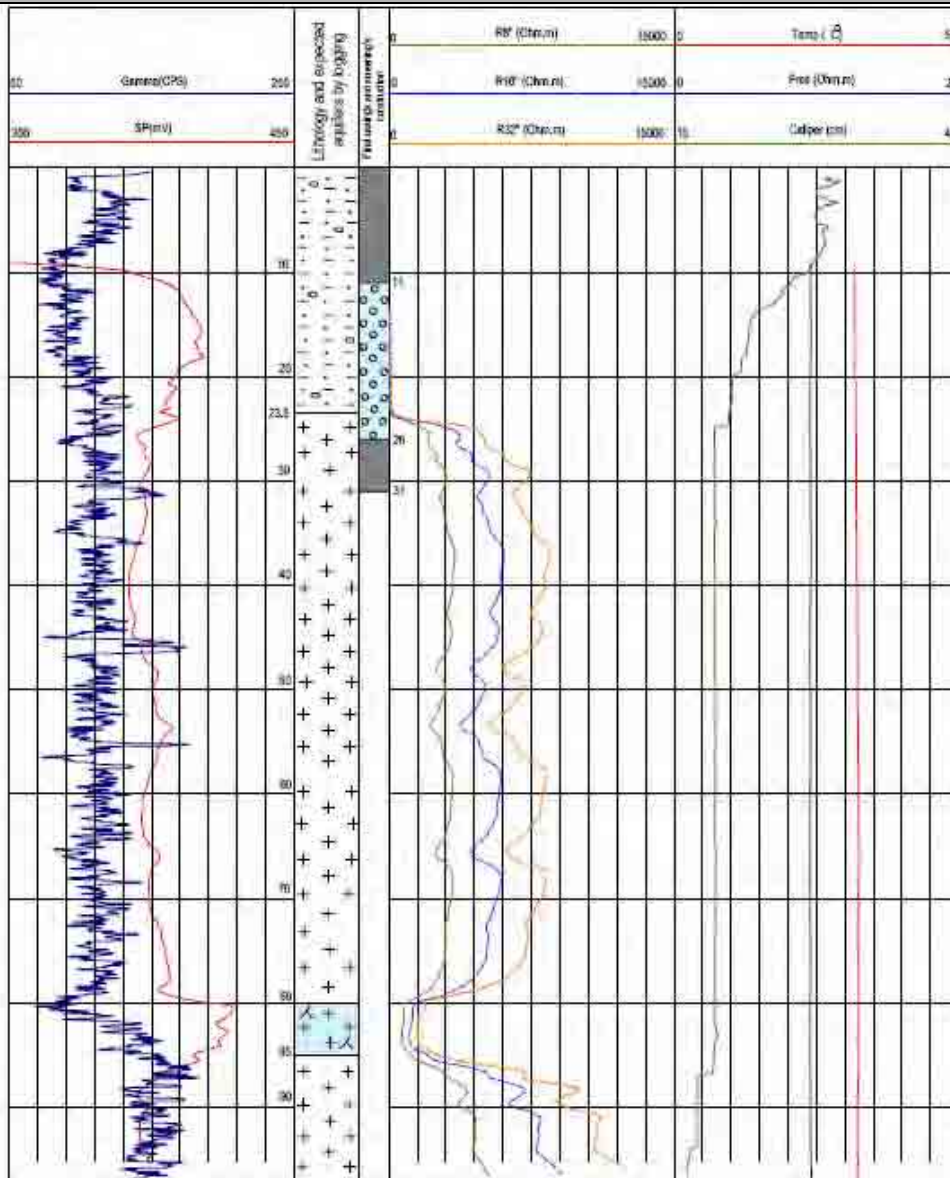
Boring Log

Well Structure



Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	G ₁ /K ₂ /dq	5.0	5.0	50	(+)	Sand, clay
10		11.0	6.0	50	(+)	Granit, weathering
15					(+)	Granit, fracture
20					(+)	
25		25.0	14.0	65	(+)	
30					(+)	Granit
35					(+)	
40					(+)	
45					(+)	
50					(+)	
55					(+)	
60					(+)	
65					(+)	
70					(+)	
80					(+)	
90					(+)	
100		100.0	75.0	95	(+)	



Logging Diagram

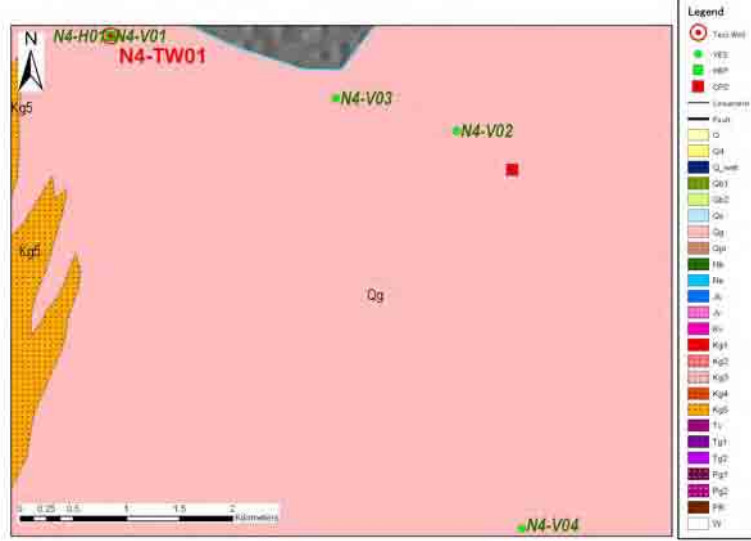


LEGEND

-  Unconsolidated sediment: Sands and clays
-  Granite with very compact structure, no fissures
-  Granite with compact structure, less fissures
-  Expected zones of water bearing in hard rock, forecasting by logging
-  Final construction of casing and screening

N-4: Phuoc Minh (1/2)

Boring Location Map

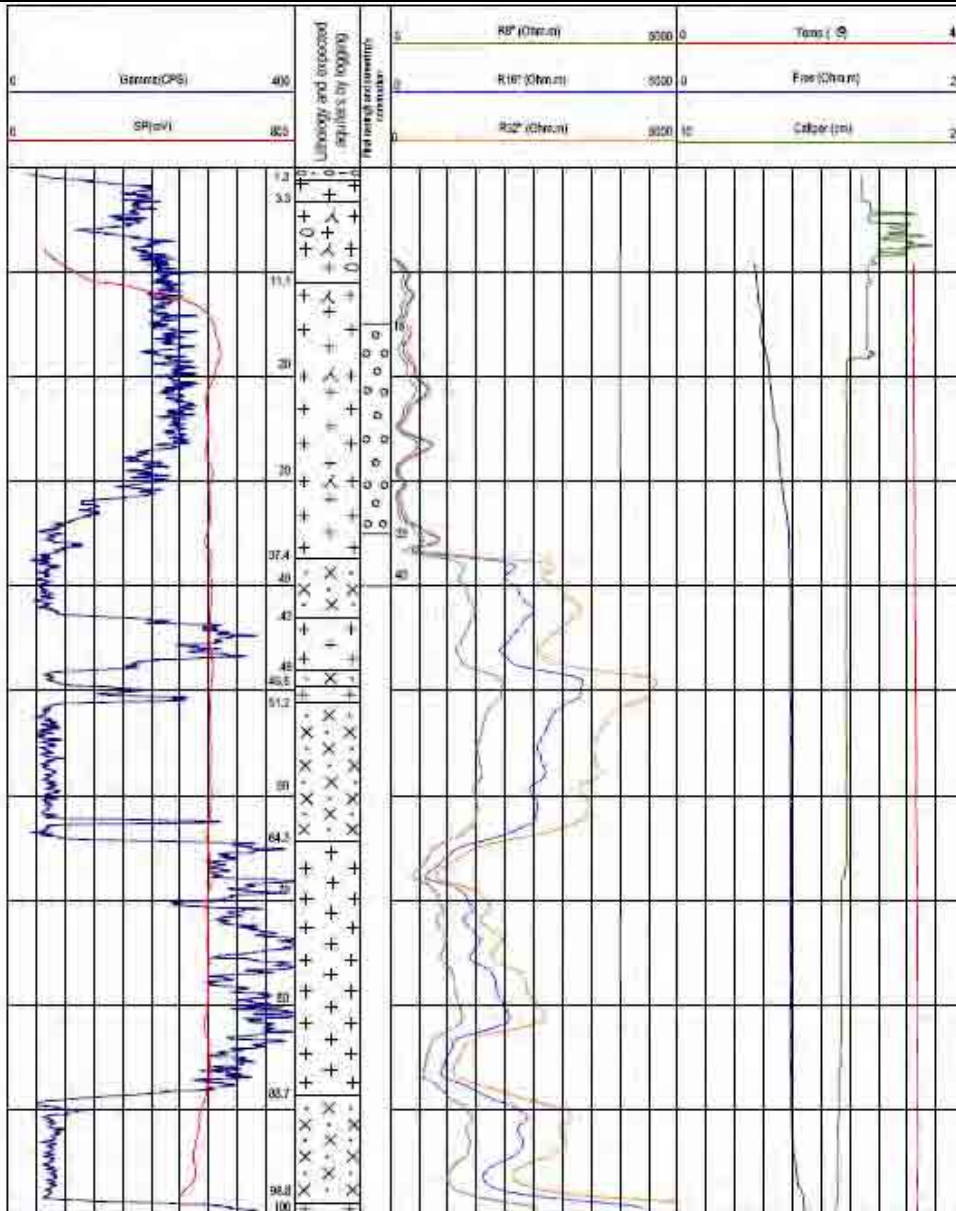


Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe	Well Structure	
							Well Diameter	Well Description
0-5	G _{Sy} /K ₂ d _{c1}	2.0	2.0	80.0	+	Sand, clay	Φ250	Sealing, from GL -0m to GL-15 m
5-10		15.0	13.0	90	+	Granit	Φ140	
10-15					+			
15-20					+			
20-25					+	Granit, fracture		
25-30					+			
30-35					+			
35-40					+			
40-45					+			
45-50					+			
50-55				+				
55-60				+				
60-65				+				
65-70				+				
70-75				+				
75-80				+				
80-85				+				
85-90				+				
90-95				+				
95-100				+				
100		100.0	65.0	95	+	Granit	Φ110	

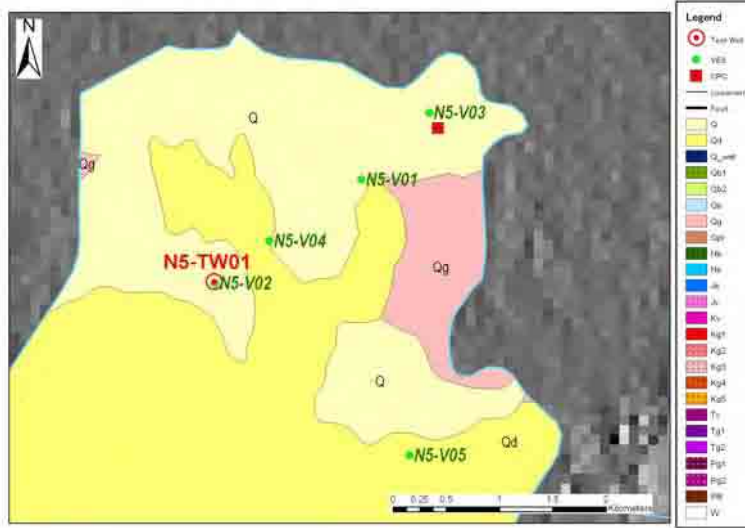
Logging Diagram



LEGEND

- Units and gravels associated with clay
- + granite with compact structure
- x Granite strongly fissured and fractured
- + Granite with low degree of fissuration
- x The veinstone rock
- Expected water bearing zone in hard rock by logging
- x Final construction of casing and screening

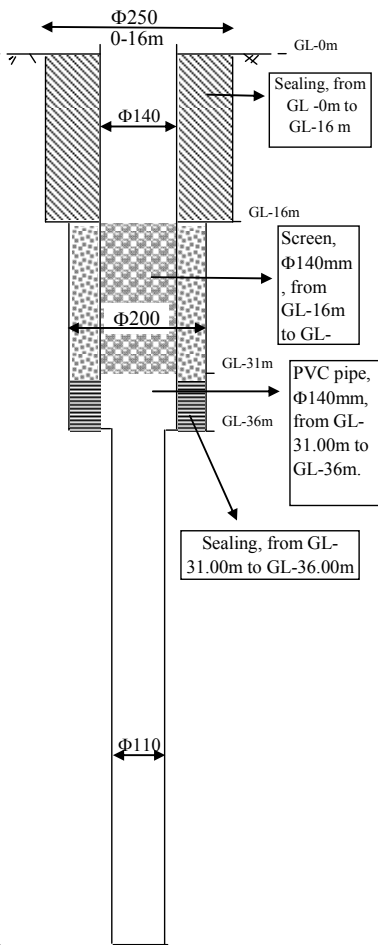
Boring Location Map



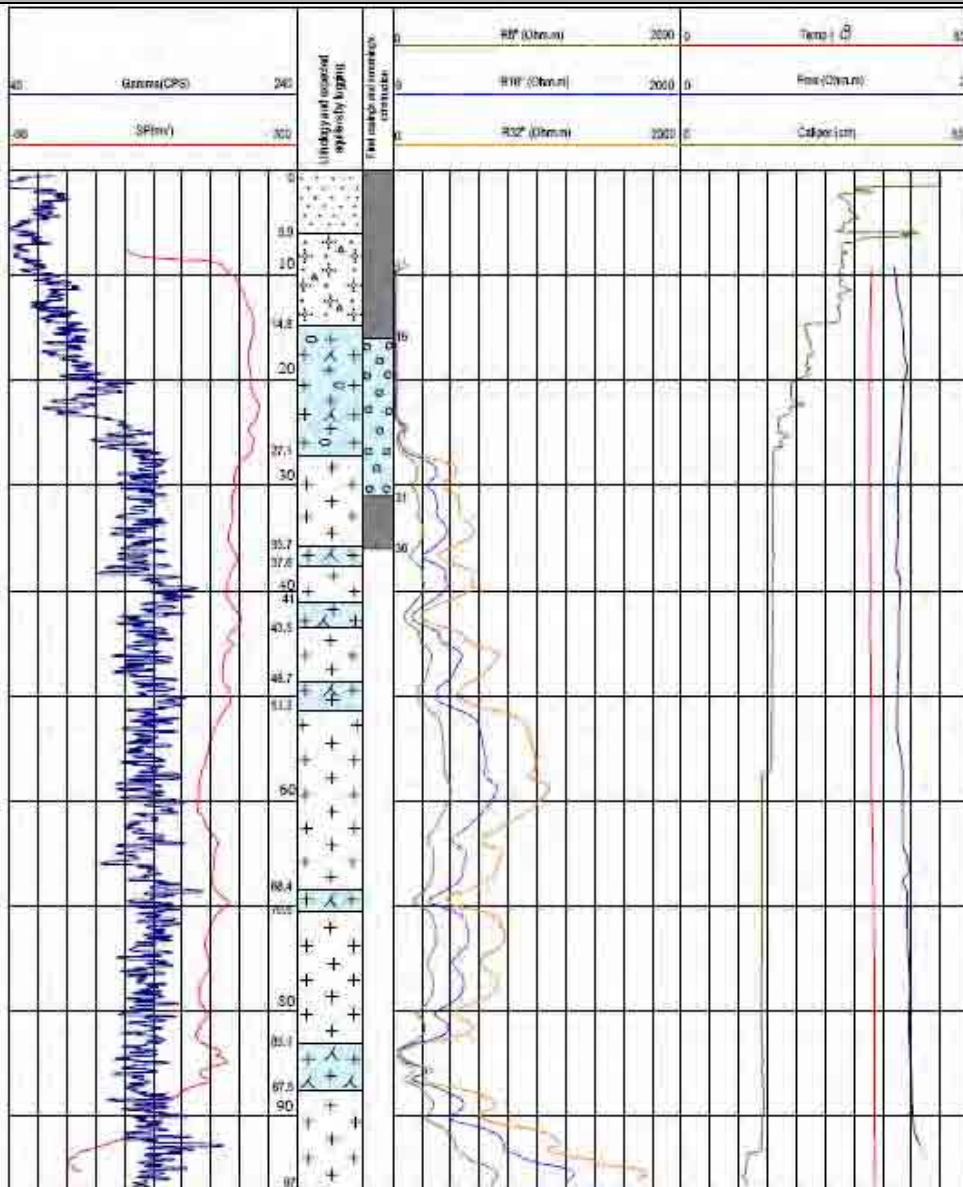
Boring Log

Well Structure


Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	mQ ₁ ³	8.0	8.0	75		Sand, clay, cobble
10		16.0	8.0	75		Granit, weathering
15	GSy/K ₁ d ₁	30.5	14.5	60		Granit, fracture
20						
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100		100.0	69.5	95		Granit





Logging Diagram





LEGEND


- 


Unconsolidated sand by medium grains associated with gravels and clay
- 

Strong weathered zone of granite in sands associated with grills and clay
- 

Granite with compact structure; no fissured
- 

Fissured and fractured zone of granite
- 

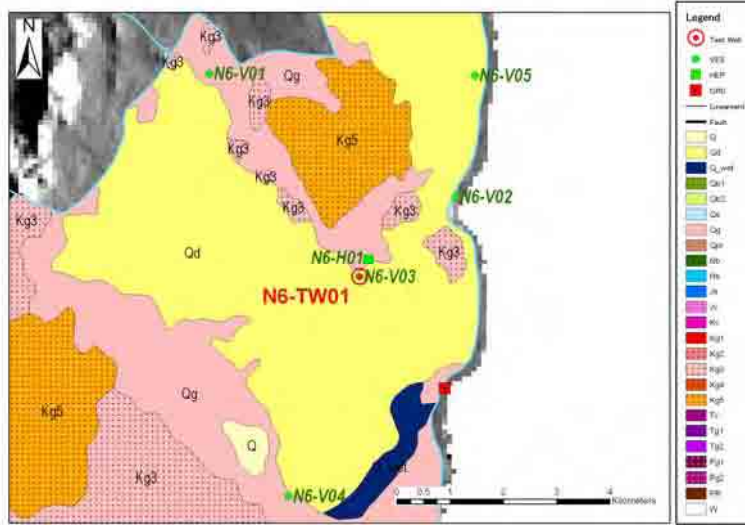
Granite with low degree of fissuration, Very low capacity of water bearing
- 

Final construction of casing and screening
- 

Diagnosis zones with very low capacity of water bearing by logging

N-6: Phuoc Dinh (1/2)

Boring Location Map



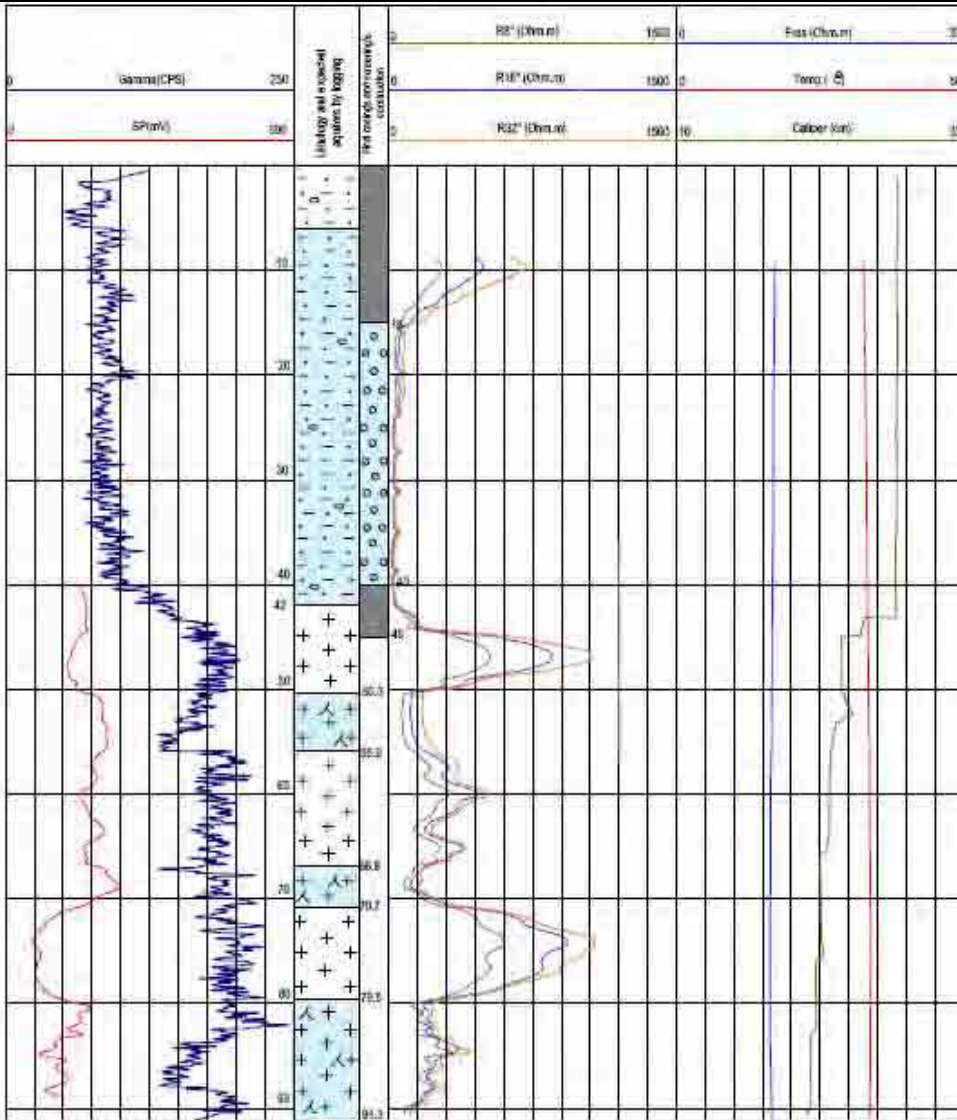
Boring Log

Well Structure


Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	mQ ₁ ² /p1/N ₂ mv	15.0	15.0	35	[Stratification symbols]	Sand, clay
10						
15	GSy/K ₂ dC ₂	43.0	28.0	40	[Stratification symbols]	Granite, weathering
20						
25						
30						
35	GSy/K ₂ dC ₂	100.0	57.0	95	[Stratification symbols]	Granit
40						
45						
50						
55						
60						
65	GSy/K ₂ dC ₂	100.0	57.0	95	[Stratification symbols]	Granit
70						
75						
80						
85	GSy/K ₂ dC ₂	100.0	57.0	95	[Stratification symbols]	Granit
90						
95	GSy/K ₂ dC ₂	100.0	57.0	95	[Stratification symbols]	Granit
100						


Well Structure
0-45m: Sealing, from GL-0m to GL-15m. Diameter: Φ300.
GL-15m: Screen, Φ140mm, from GL-15m to GL-40m. Diameter: Φ300.
GL-40m: PVC pipe, Φ140mm, from GL-40m to GL-45m. Diameter: Φ140.
GL-45m: Sealing, from GL-40.00m to GL-45.00m. Diameter: Φ130.
GL-68m: Diameter: Φ110.


Logging Diagram





LEGEND

- 

Unconsolidated deposit:
Gravels, sands associated
with clay
 - 

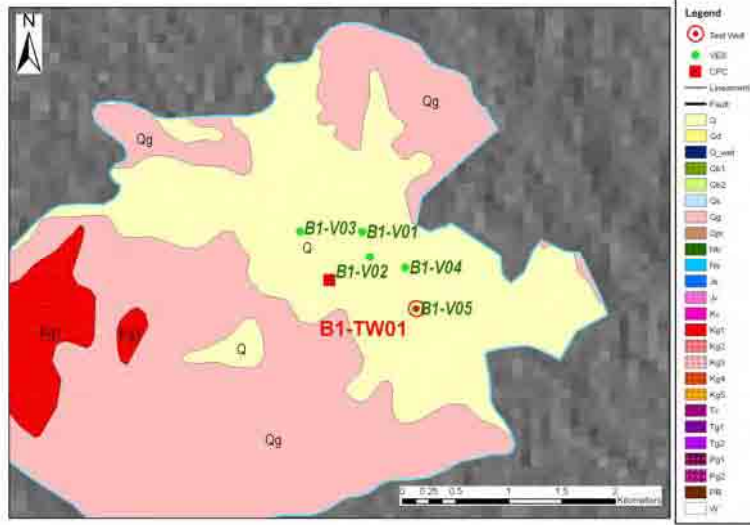
Granite with compact
structure, no fissures
 - 

granite with compact
structure, less fissures
 - 

Final construction of
casing and screening
- 
 Expected zones of water bearing
in hard rock, forecasting by logging

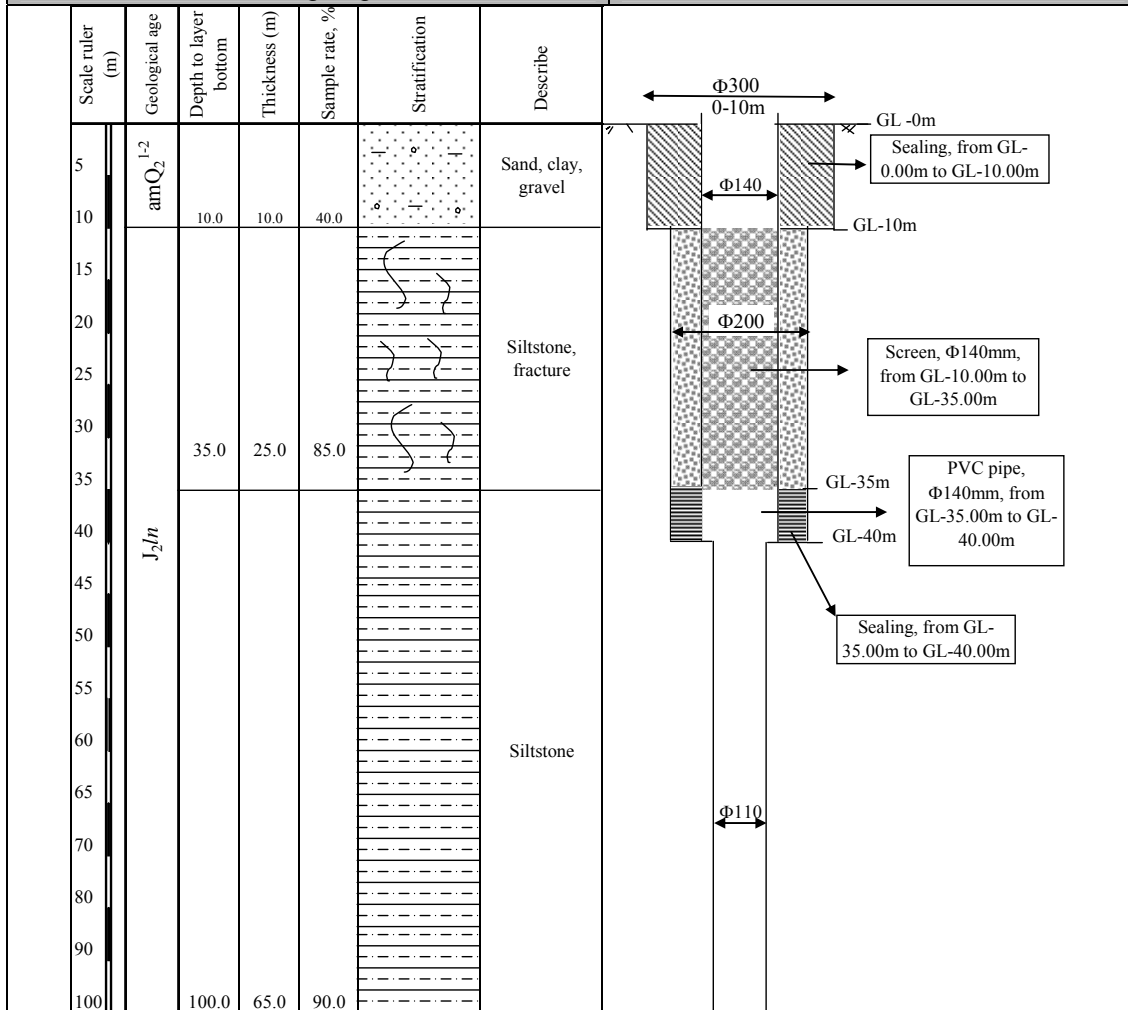
B-1: Muong Man (1/2)

Boring Location Map

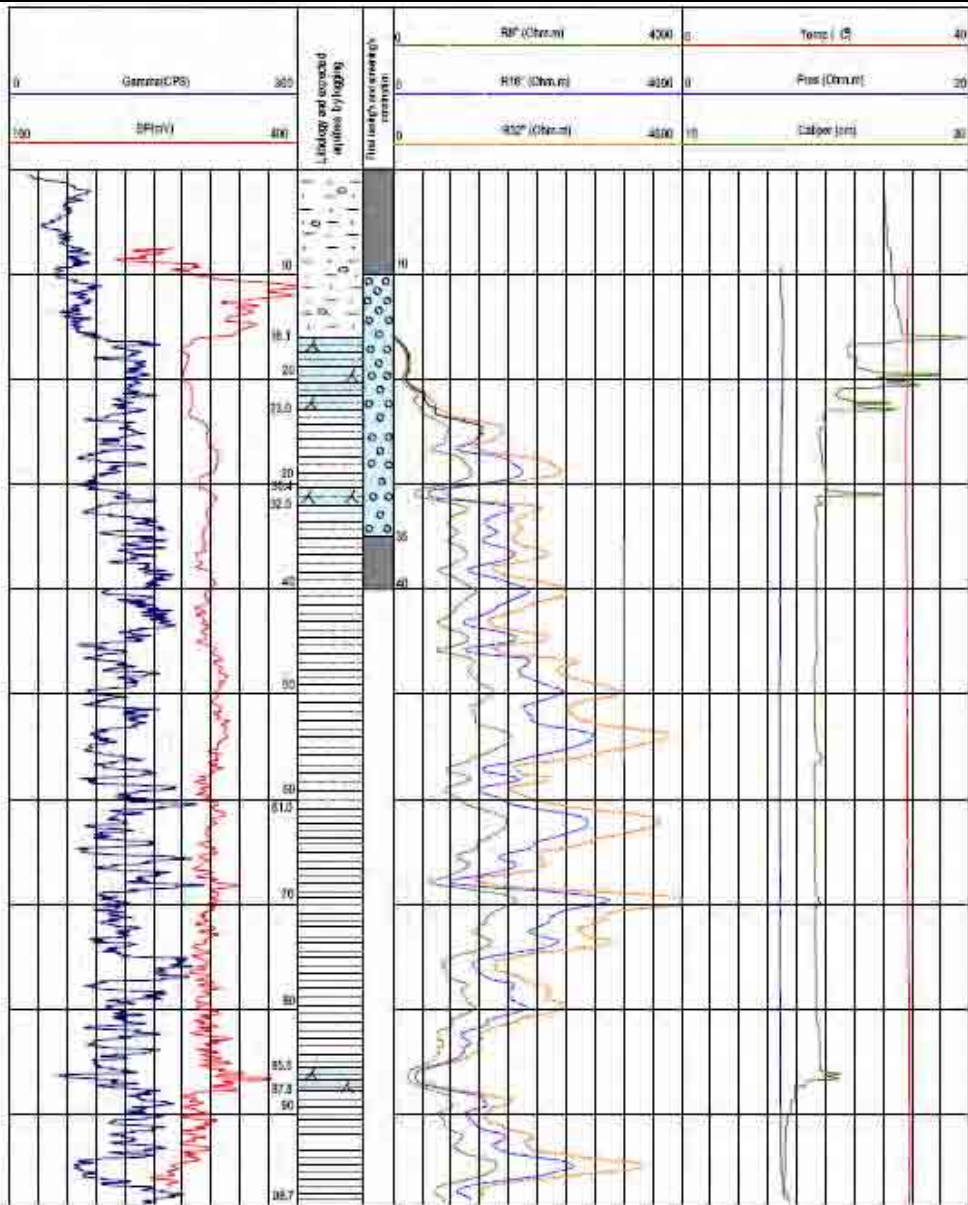


Boring Log








Well Structure



Logging Diagram

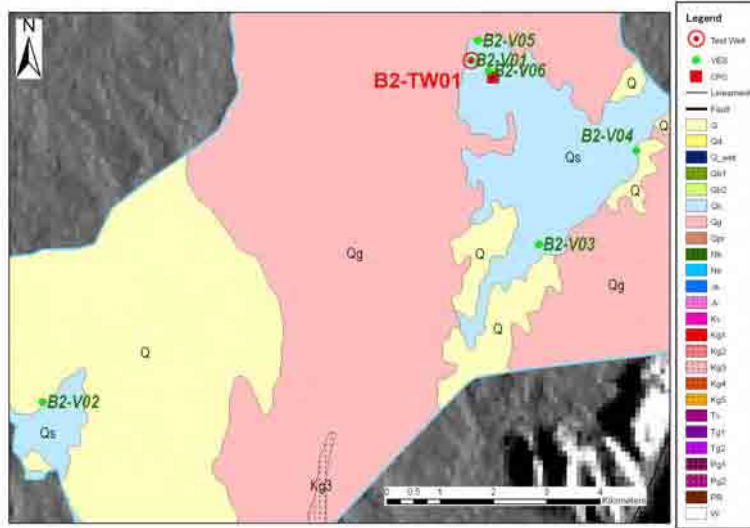


LEGEND

- 
 Unconsolidated sediments and the weathered cover of hardrock.
- 
 Siltstone, strongly fissured
- 
 Siltstone, no fissured
- 
 Sandstone, fissured
- 
 Sandstone, no fissured
- 
 Expected zones of water bearing in hardrock by logging
- 
 Final construction of casing and screening

B-2: Gia Huynh (1/2)

Boring Location Map



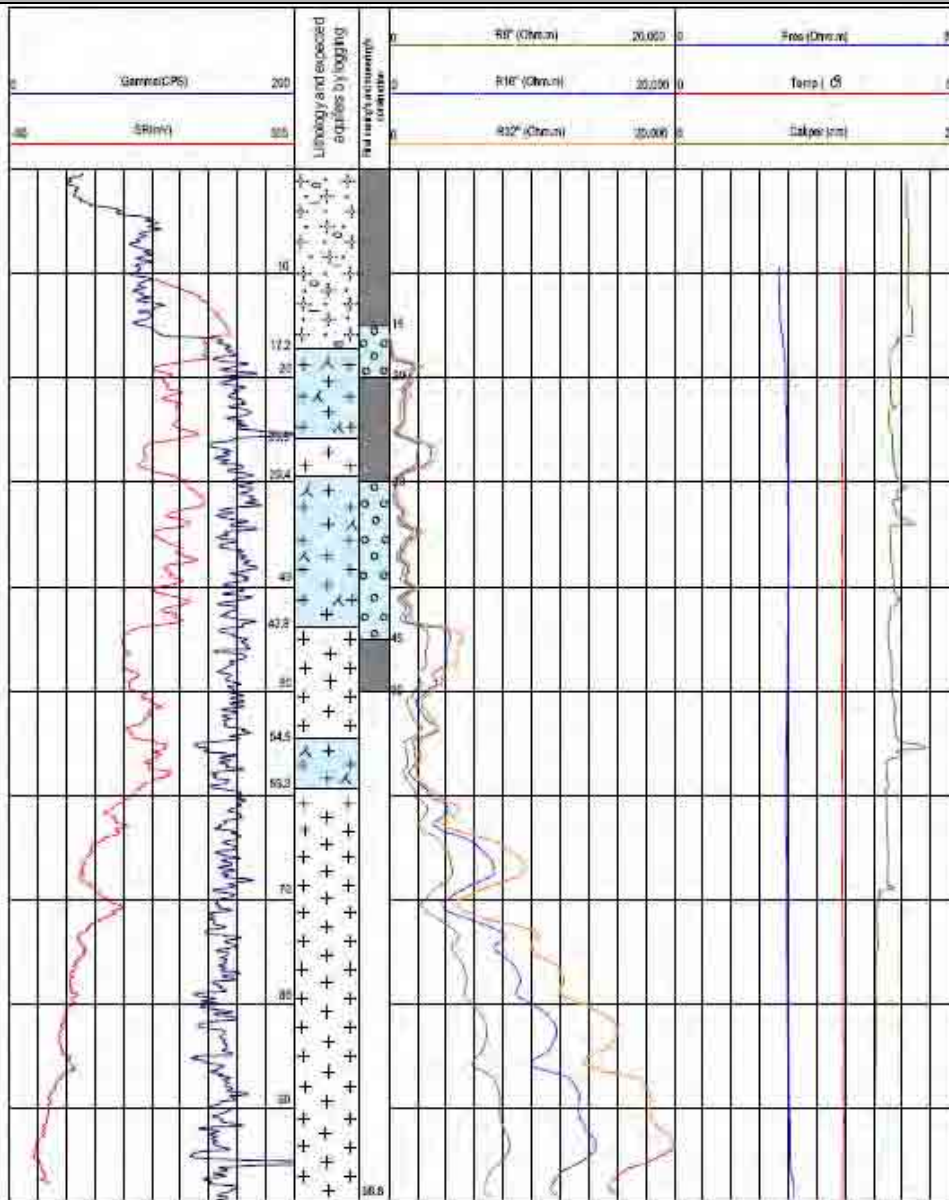
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	alQ ₁ ²⁻³	5.7	5.7	70.0	[Symbol]	Sand, clay, gravel
10					[Symbol]	Granite, weathering
15	GD ₁ /K ₁ d ₁ q ₂	15.0	9.3	70.0	[Symbol]	Granite, fracture
20		20.0	5.0	75.0	[Symbol]	Granit
30		30.0	10.0	85.0	[Symbol]	Granite, fracture
35	GD ₁ /K ₁ d ₁ q ₂				[Symbol]	Granit
40					[Symbol]	Granite, fracture
45		45.0	15.0	80.0	[Symbol]	Granit
50					[Symbol]	Granit
60					[Symbol]	Granit
70					[Symbol]	Granit
80					[Symbol]	Granit
90					[Symbol]	Granit
100		100.0	55.0	95.0	[Symbol]	Granit

Well Structure
<ul style="list-style-type: none"> GL- 0m Sealing, from GL-0m to GL-15m PVC pipe, Φ140mm, from GL+0.4m to GL-15m GL-15m Screen, Φ140mm, from GL-15m to GL-20m GL-20m PVC pipe, Φ140mm, from GL-20m to GL-30m GL-30m Screen, Φ140mm, from GL-30m to GL-45m GL-45m PVC pipe, Φ140mm, from GL-45m to GL-50m GL-50m Sealing, from GL-45.00m to GL-50.00m

Logging Diagram



LEGEND

- + o +
 - - +
 o

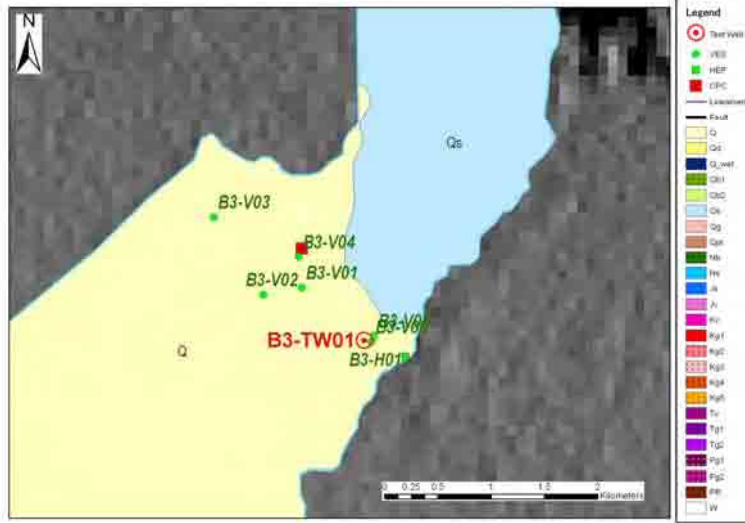
 Weathered and transitional zone of granite
- + x +
 + + x

 granite with compact structure less fissures
- + +

 Granite with compact structure, no fissures
- Expected zones of water bearing in hard rock, forecasting by logging
- Final construction of casing and screening

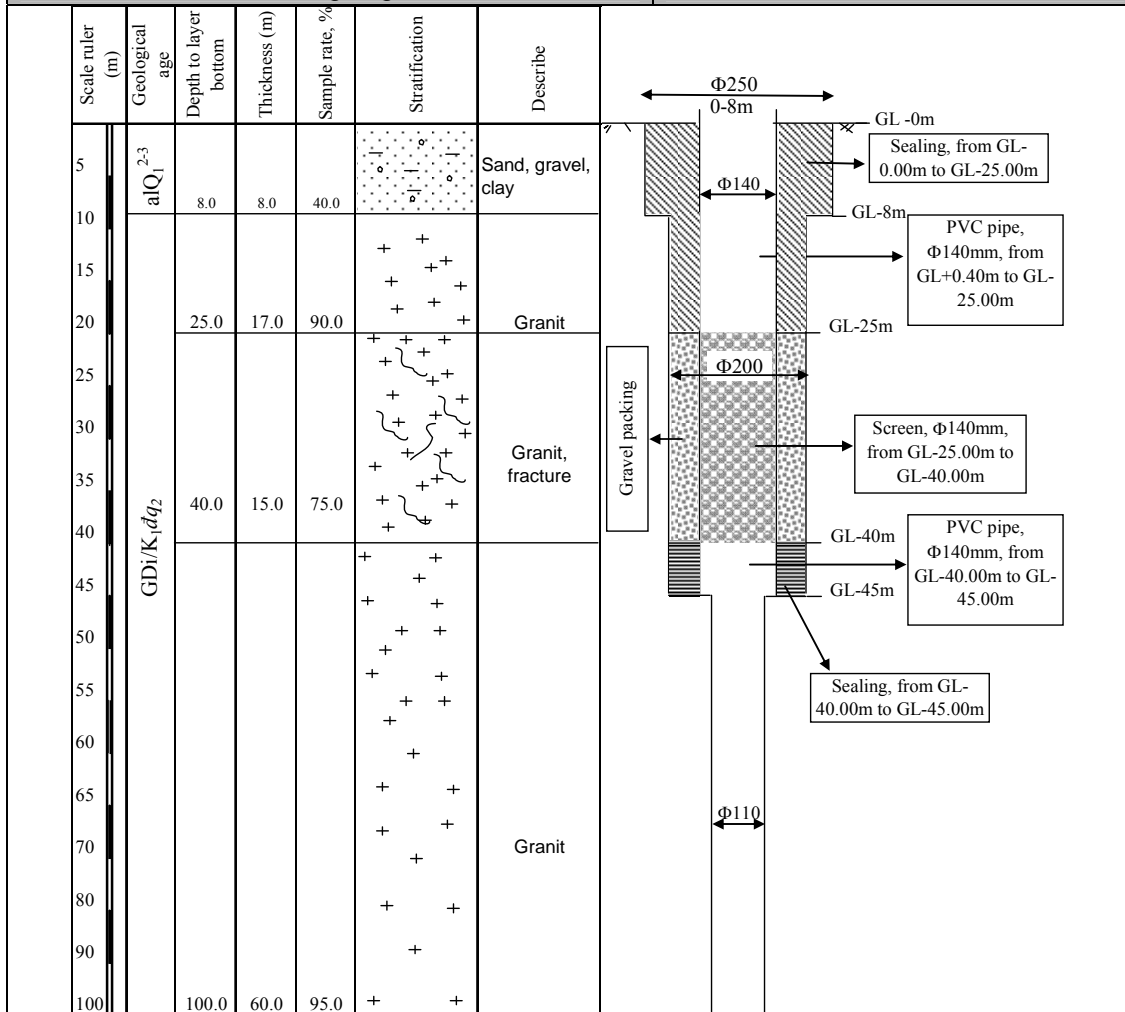
B-3: Nghi Duc (1/2)

Boring Location Map

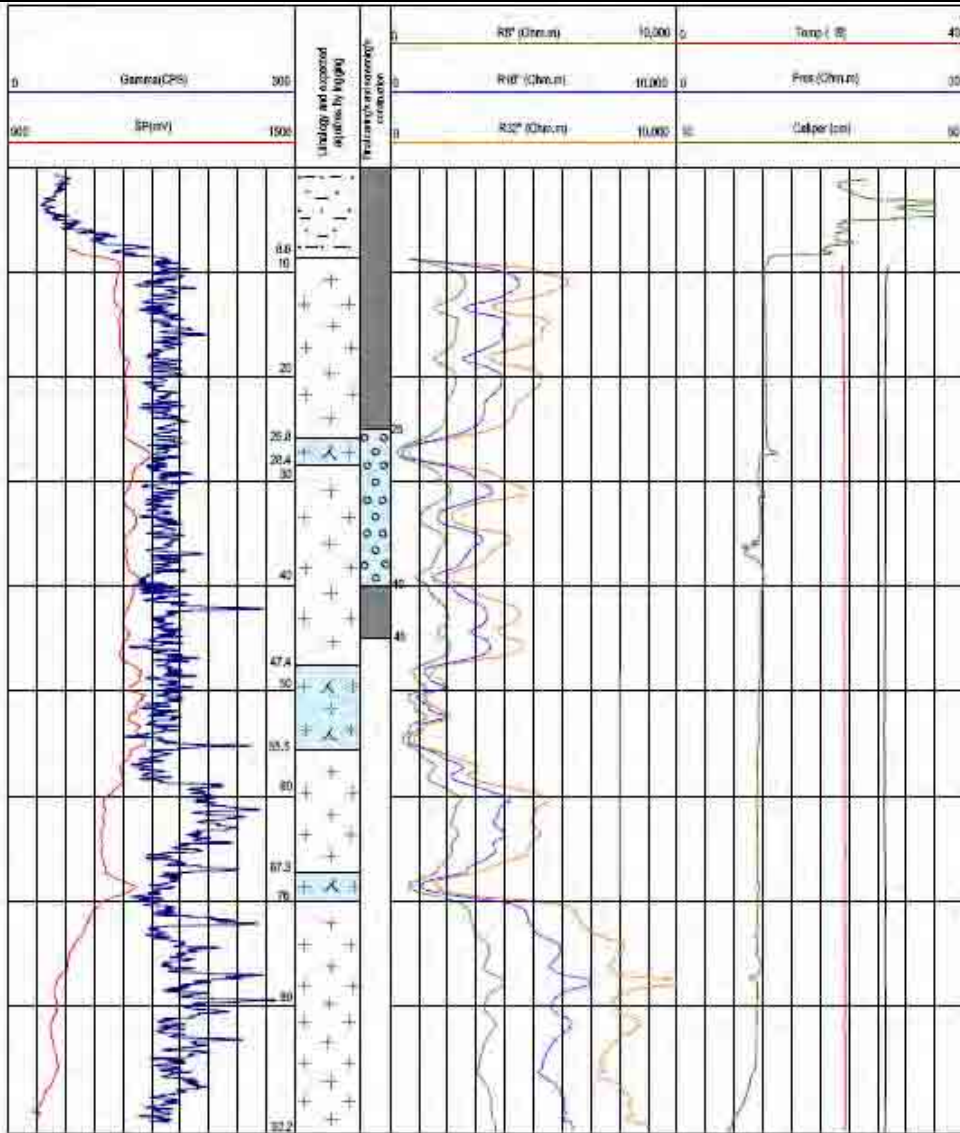


Boring Log

Well Structure



Logging Diagram

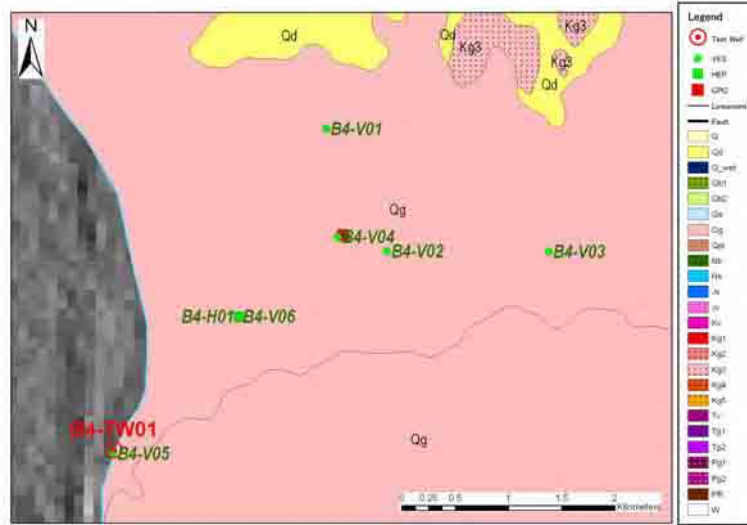


LEGEND

- - - Weathered zone of granite
- + + Granite with compact structure
- + / + Granite, fissured
- [] Final construction of casing and screening
- Expected zones of water bearing in hard rock by logging

B-4: Tan Duc (1/2)

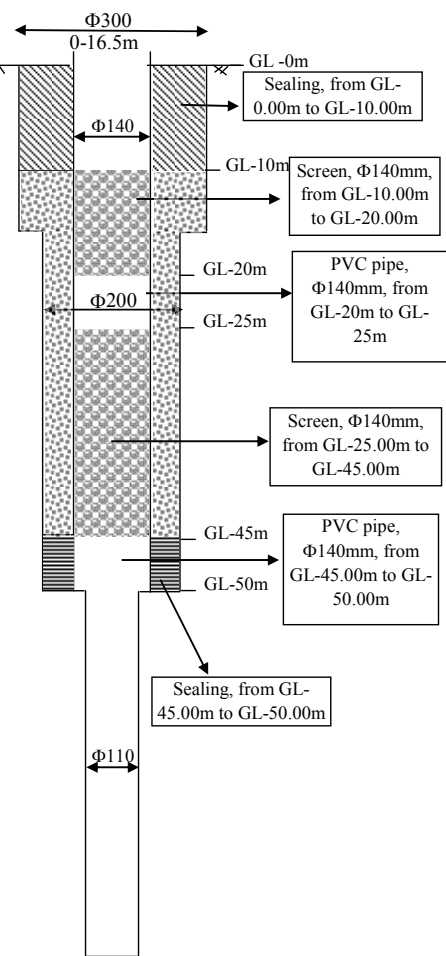
Boring Location Map



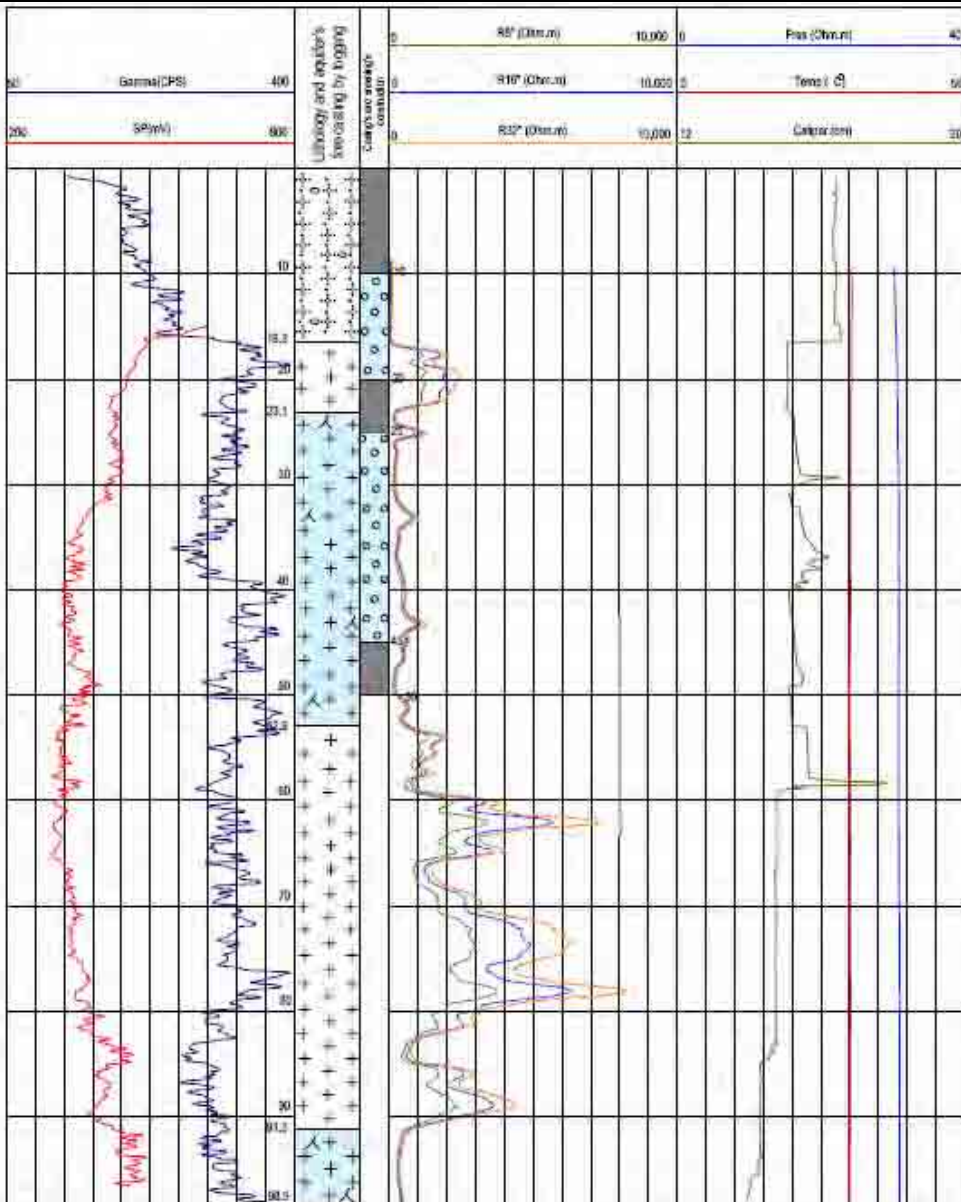
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	mQ ₁ ²⁻³	10.0	10.0	65.0		Sand, clay
10						
15	GD ₁ /K ₁ d ₁ q ₂	20.0	10.0	70.0		Granit weathering, fracture
20						
25		25.0	5.0	85.0		Granit
30						
35						Granit, fracture
40						
45		45.0	20.0	80.0		
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100		100.0	55.0	95.0		Granit



Logging Diagram

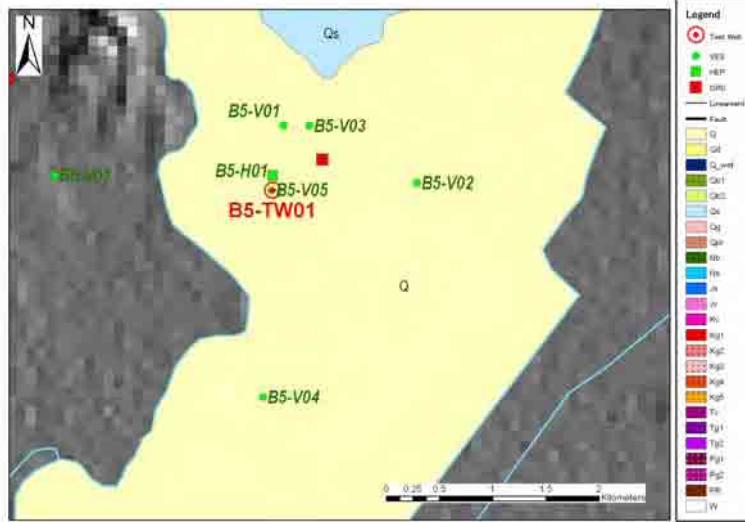


LEGEND

- Weathered and transitional zone of granite
- granite with compact structure, less fissures
- Granite with compact structure, no fissures
- Expected zones of water bearing in hard rock, forecasting by logging
- Final construction of casing and screening

B-5: Me Pu (1/2)

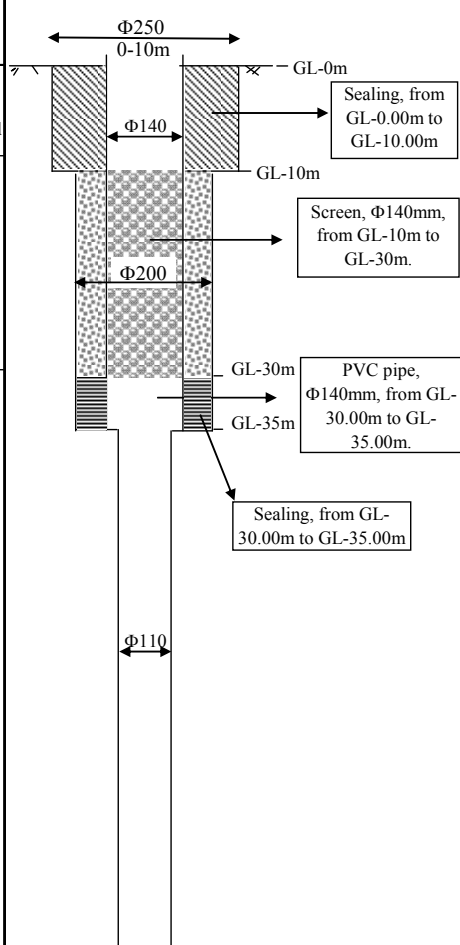
Boring Location Map



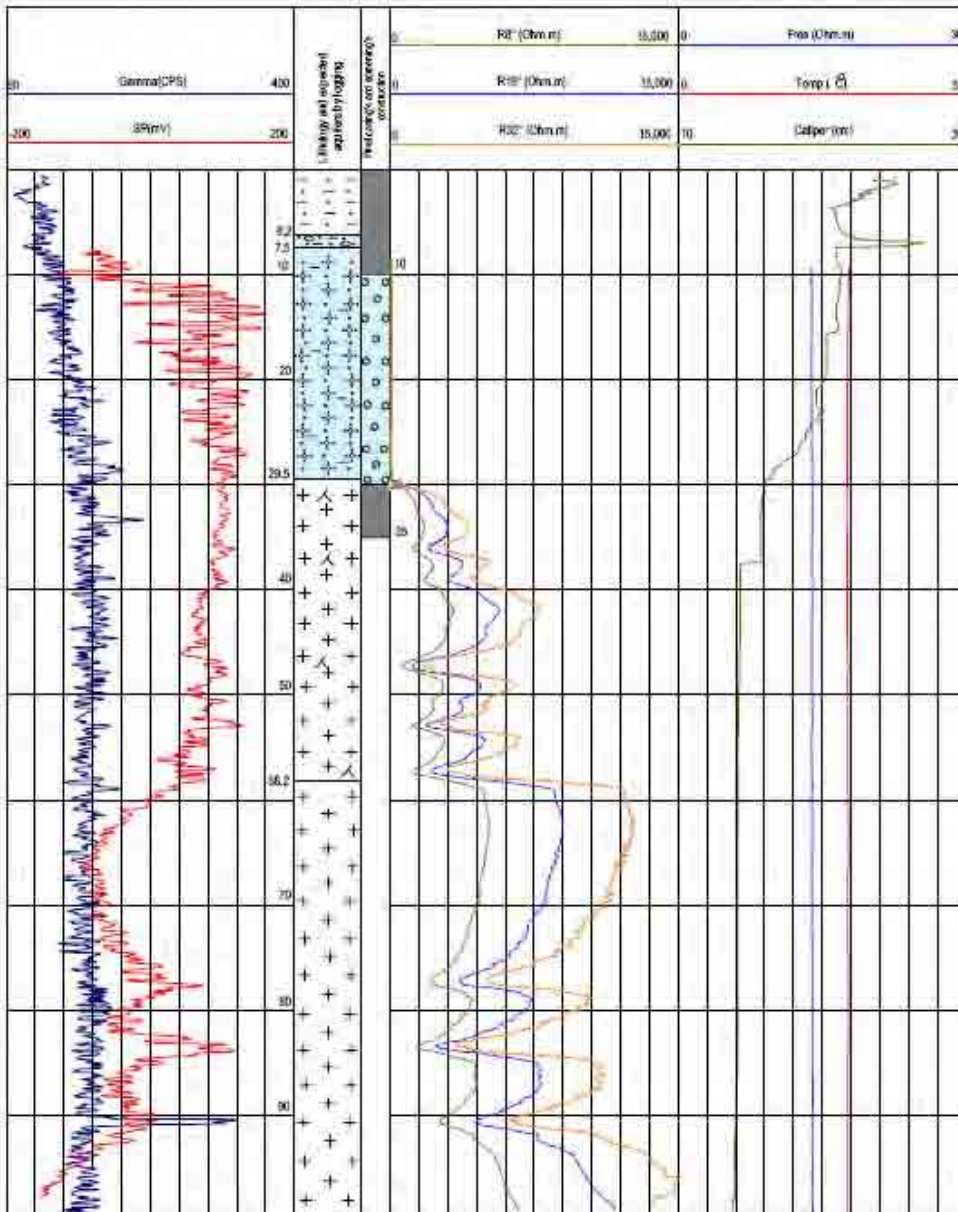
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe	
5	alQ ₁ ^{2,3}	8.0	8.0	70.0	[Stratification symbols]	Clay, gravel, sand	
10							
15	GD ₁ /K ₁ d ₁ q ₂	29.0	21.0	62.0	[Stratification symbols]	Granit, weathering	
20							
25							
30					+		
35							
40							
45							
50							
55							
60							
65					+		
70							
80							
90							
100		100.0	71.0	95.0	+	+	Granit



Logging Diagram

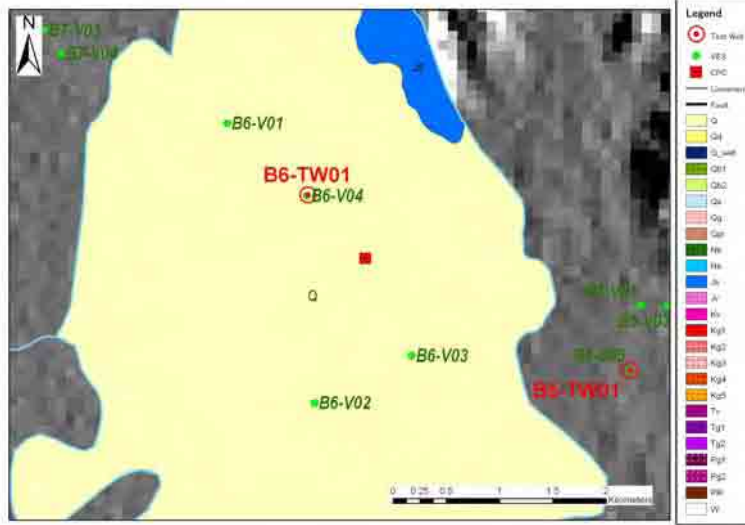


LEGEND

- Unconsolidated sediment: Sands and clays
- Coarse-grained layer: Sands and gravels associated with rills
- Granite with compact structure, less fissures
- Granite with compact structure, no fissures
- Expected zones of water bearing in unconsolidated rock, forecasting by logging
- Final construction of casing and screening

B-6: Sung Nhon (1/2)

Boring Location Map

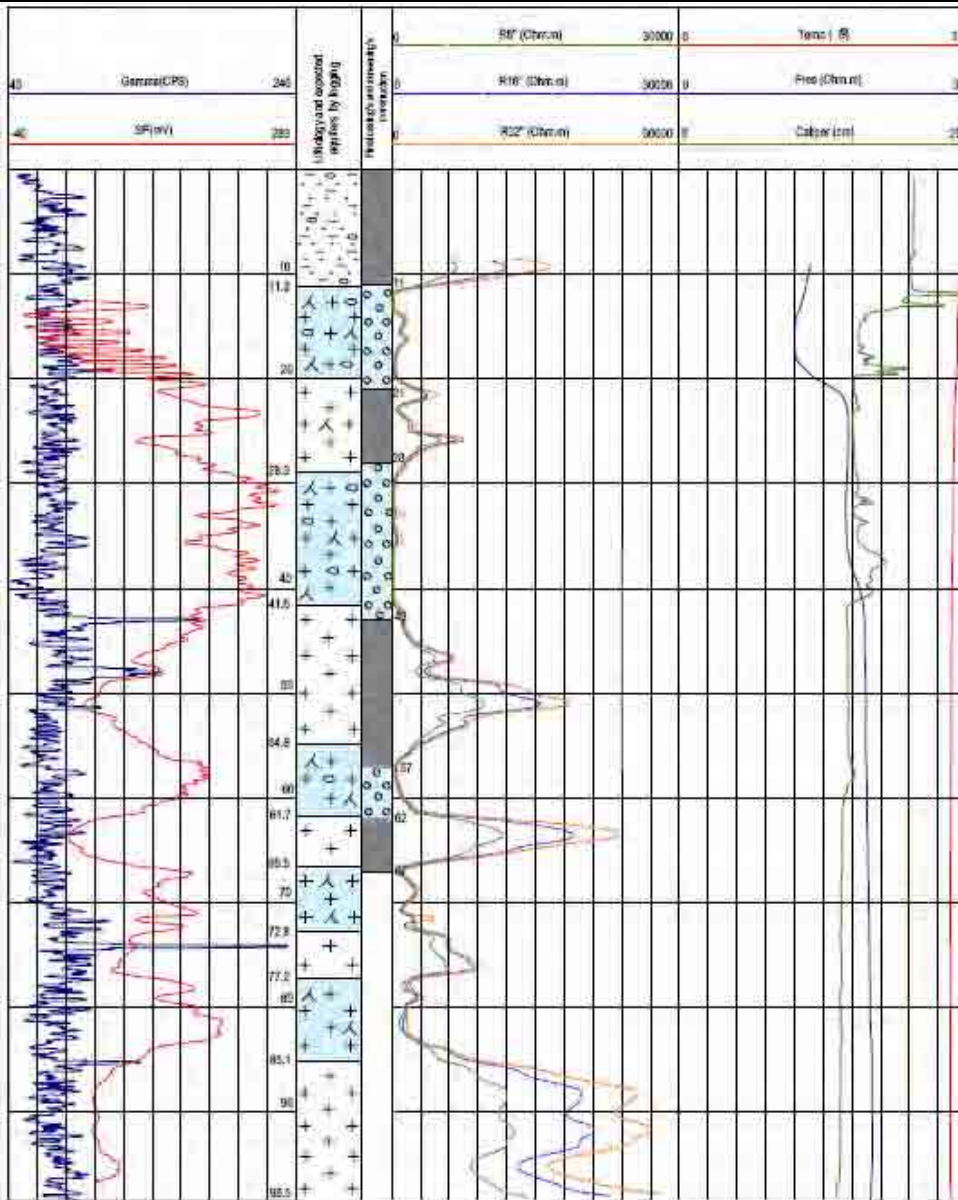


Boring Log





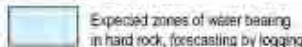

Well Structure

Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
atQ ₁ ²⁻³	8.0	8.0	75.0	(+)	Clay, gravel, sand
	11.0	3.0	75.0	(+)	Granit, weathering
GD ₁ /K ₁ dq ₂	21.0	10.0	80.0	(+)	Granit, fracture
	28.0	7.0	95.0	(+)	Granit
	43.0	15.0	80.0	(+)	Granit, fracture
	57.0	14.0	95.0	(+)	Granit
	62.0	5.0	75.0	(+)	Granit, fracture
	100.0	52.0	100.0	(+)	Granit

Logging Diagram



LEGEND

-  Gneiss and gravels associated with clay
-  Fractured and fractured zones of granite
-  Granite with low degree of fissuration
-  Granite with compact structure
-  Expected zones of water bearing in hard rock, forecasting by logging
-  Final construction of casing and screening

B-7: Da Kai (1/2)

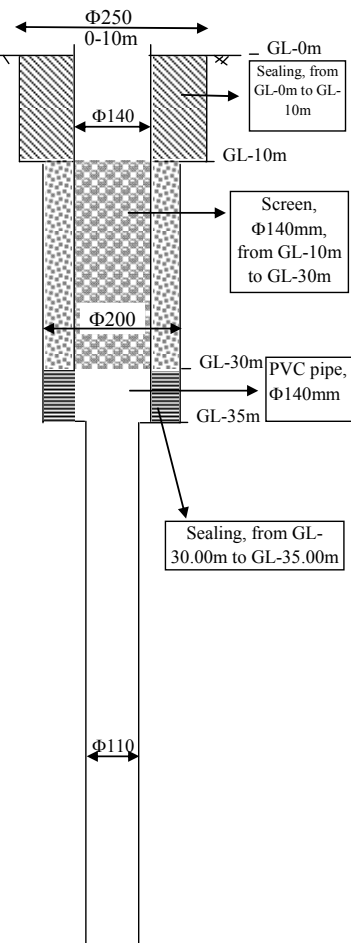
Boring Location Map



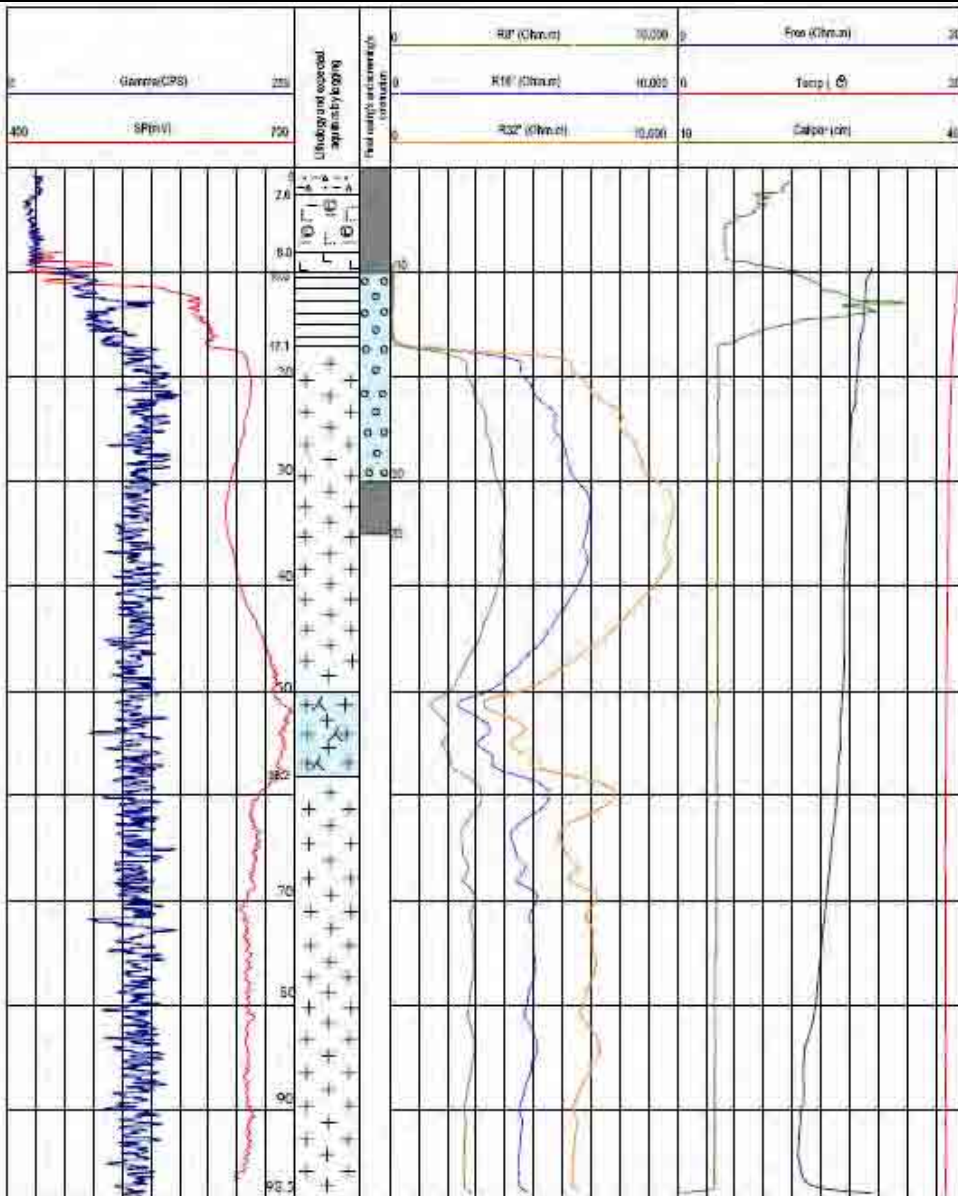
Boring Log

Well Structure

Scale ruler (m)	Geological age	Depth to layer bottom	Thickness (m)	Sample rate, %	Stratification	Describe
5	B/N ₂ 'tr	3.0	3.0	75.0		Clay, gravel
10		10.0	7.0	100.0		Basalt
15	GD ₁ /K ₁ /dq ₂	18.0	8.0	75.0		Granite, alteration
20		30.0	12.0	75.0		Granite, fracture
25	GD ₁ /K ₁ /dq ₂					
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100		100.0	70.0	100.0		Granit



Logging Diagram



LEGEND

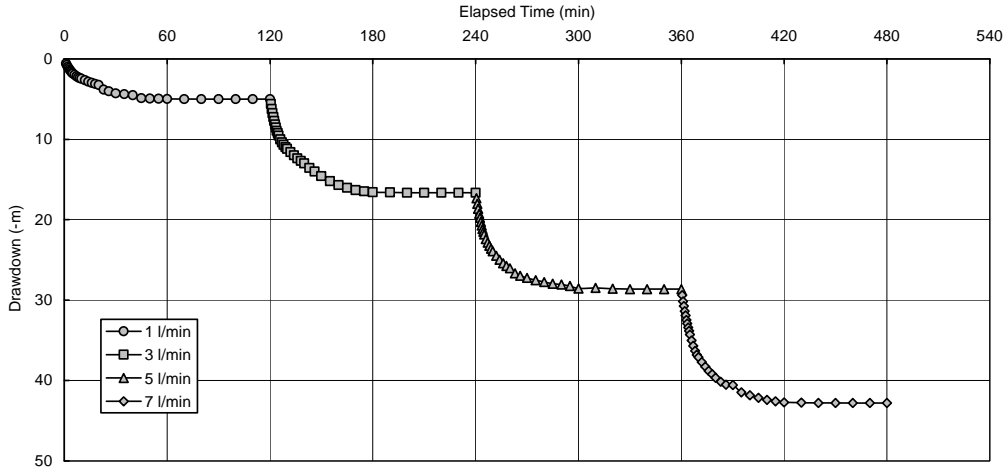
- | | | | | | | | |
|--|---|--|---|--|--|--|--|
| | Grns and gravels associated with clay | | Weathered zone of basalt | | Compact basalt | | Clay associated with siliceous sand |
| | Granit with very compact structure, no fissures, no capacity of water bearing | | Granit with small degree of fissuration. Very low capacity of water bearing | | Expected zones of water bearing in hard rock, forecasting by logging | | Final construction of casing and screening |

5.2 Results of Pumping Test by each Test Borehole

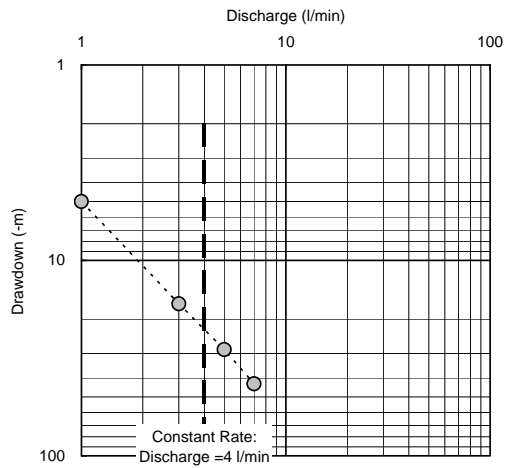
Results of pumping test by each test borehole are summarized by 3 graphs, which are relationship between time versus drawdown and discharge versus drawdown of the step drawdown test, and relationship between time versus drawdown of constant rate test / recovery test, from next page.

P-1: Xuan Phuoc

Step Drawdown Test: Relationship between 'Time and Drawdown'

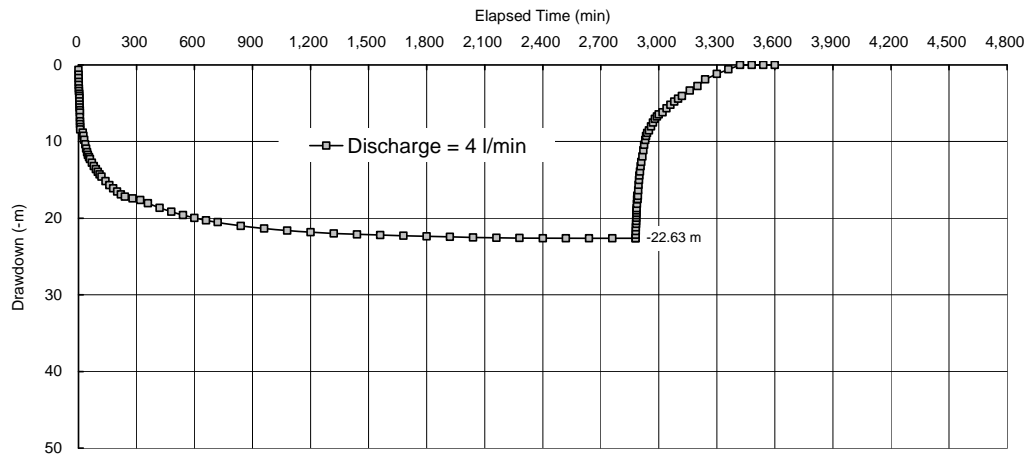


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



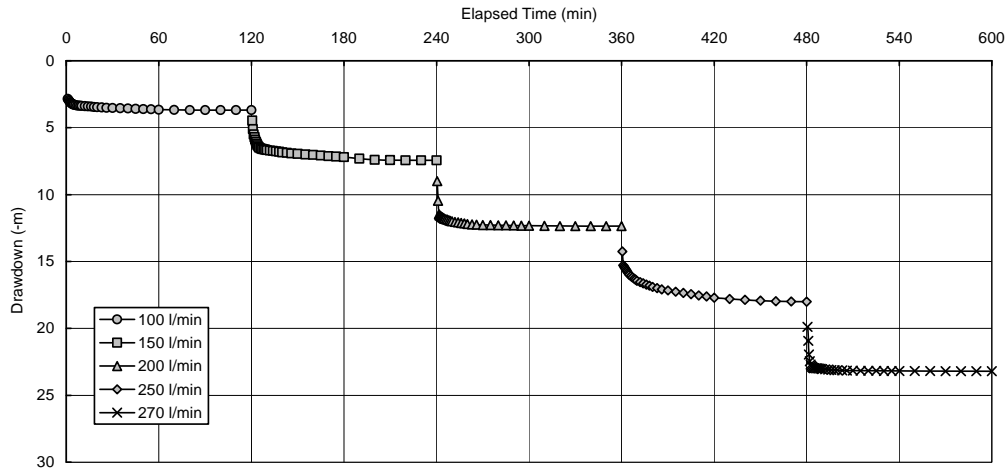
	Discharge (l/min)	Drawdown (m)
1 Step	1	5.00
2 Step	3	16.66
3 Step	5	28.62
4 Step	7	42.80

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

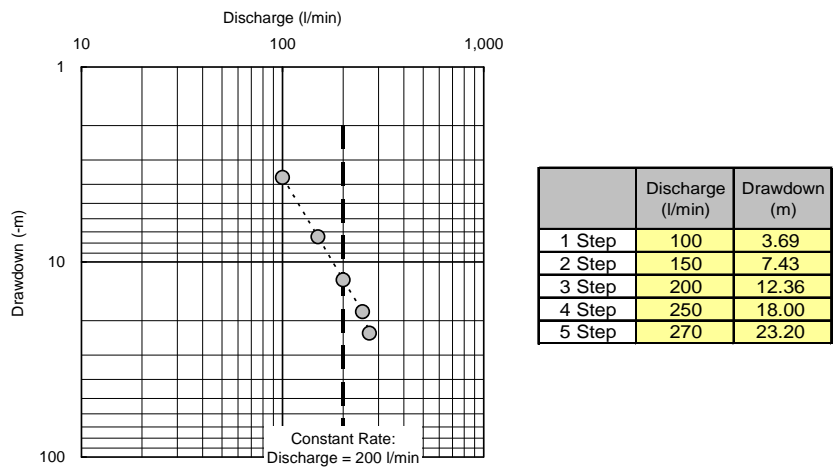


P-2: An Dinh

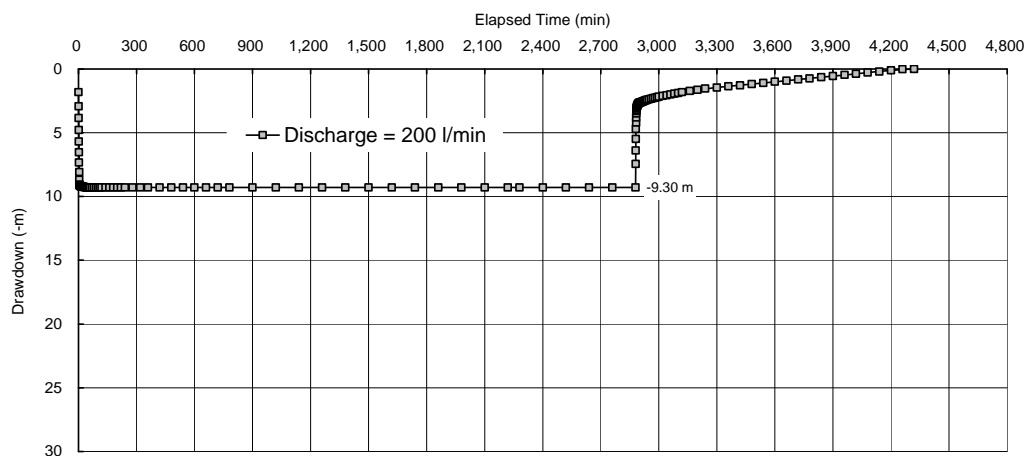
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

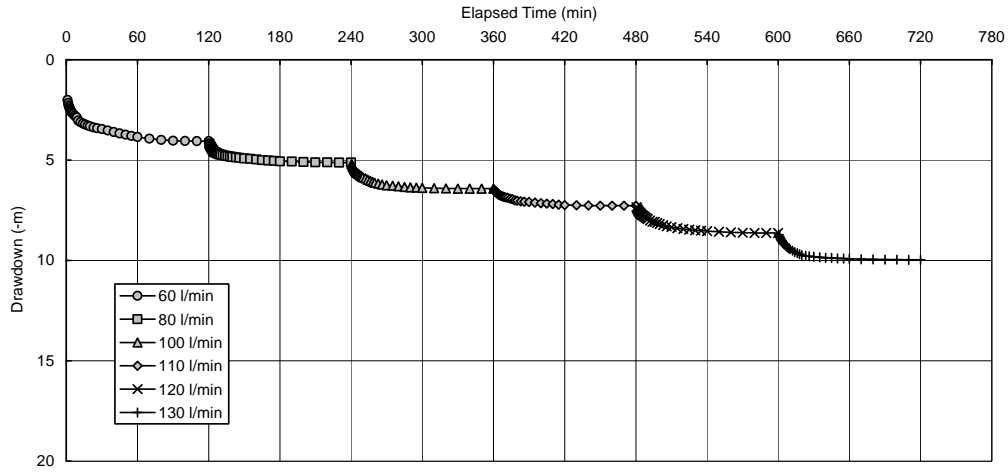


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

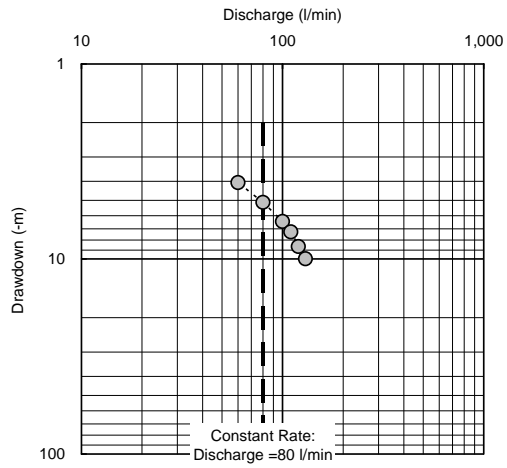


P-3: An Tho

Step Drawdown Test: Relationship between 'Time and Drawdown'

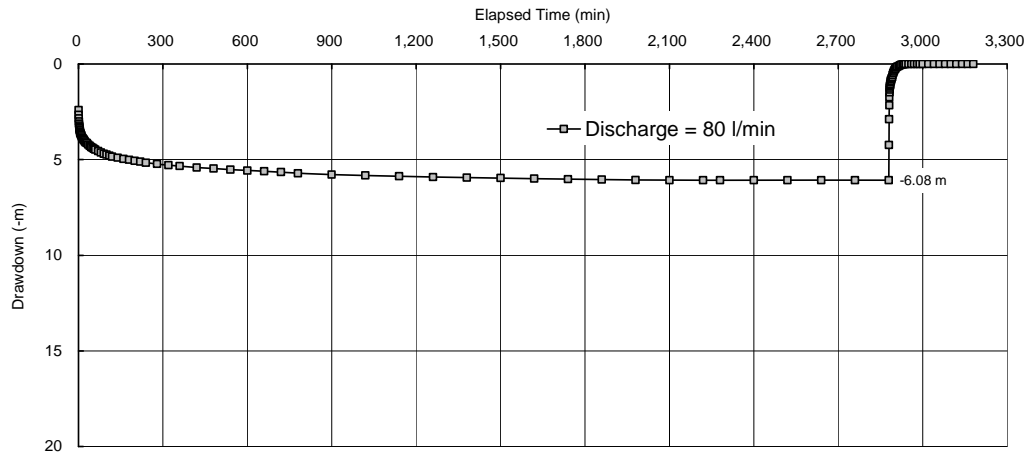


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



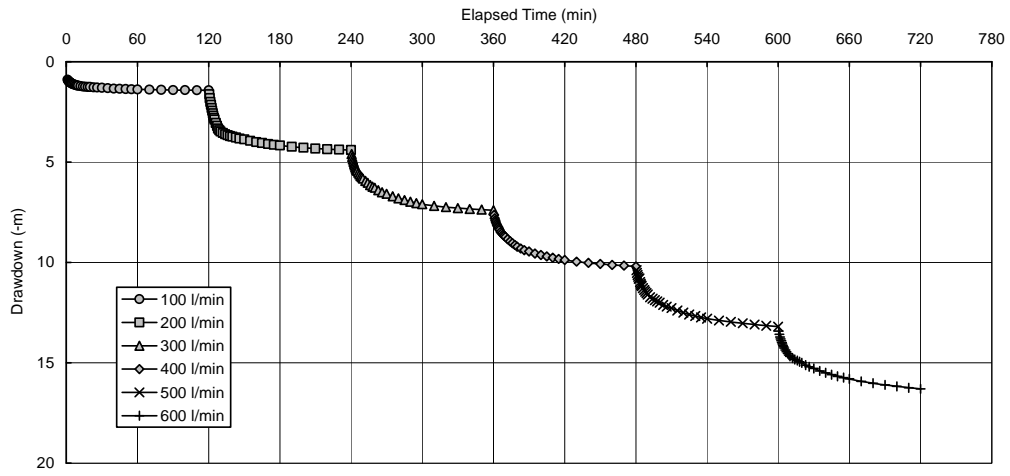
	Discharge (l/min)	Drawdown (m)
1 Step	60	4.06
2 Step	80	5.12
3 Step	100	6.42
4 Step	110	7.27
5 Step	120	8.63
6 Step	130	9.97

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

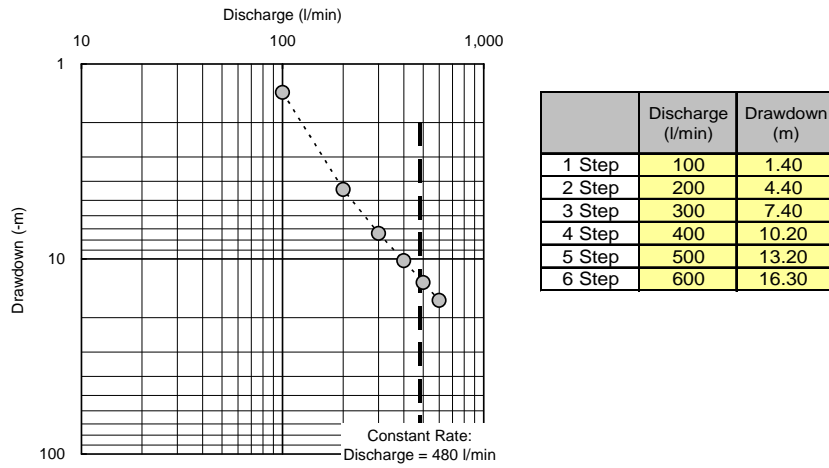


P-4: An My

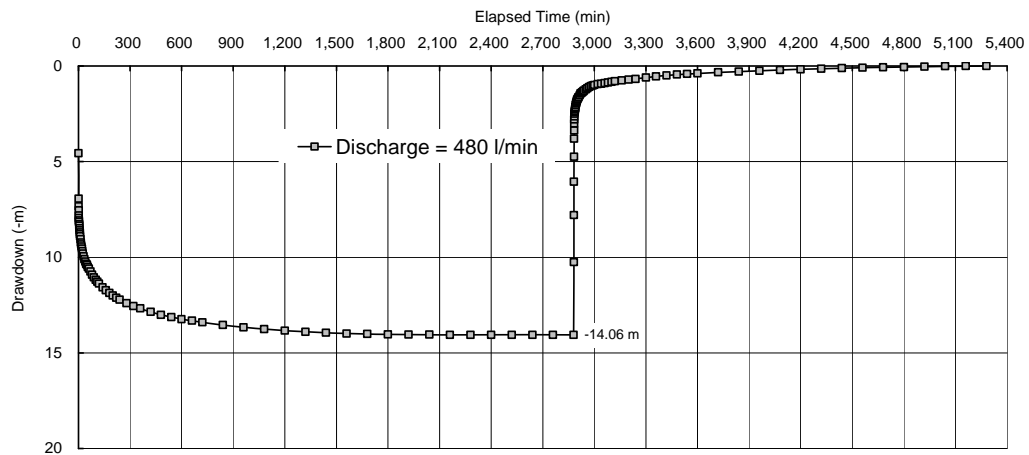
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

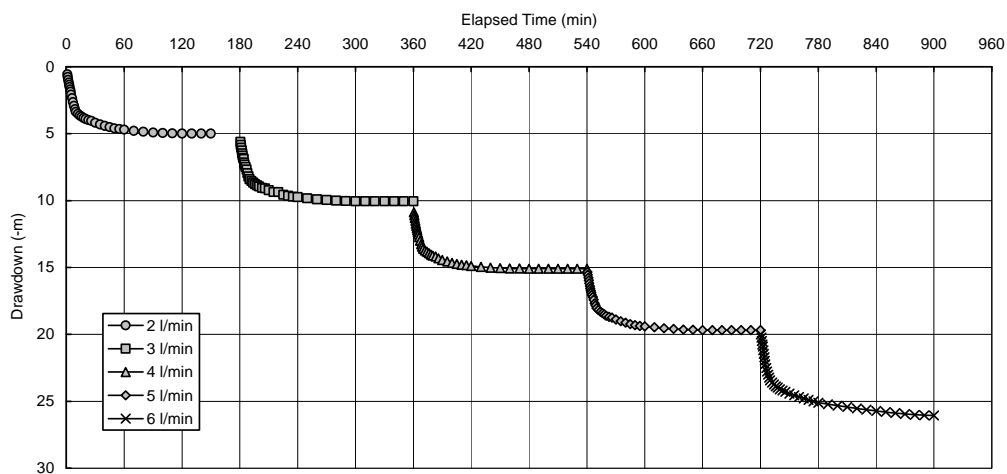


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

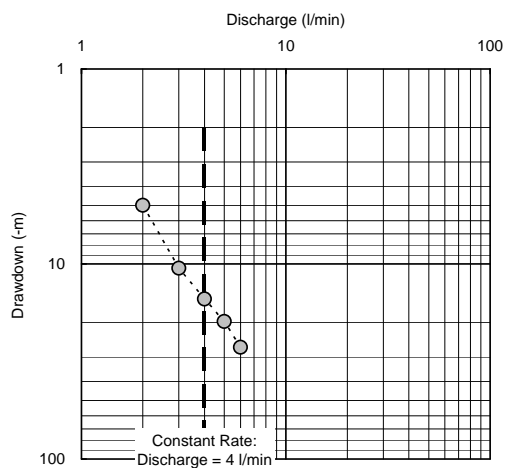


P-5: Son Phuoc

Step Drawdown Test: Relationship between 'Time and Drawdown'

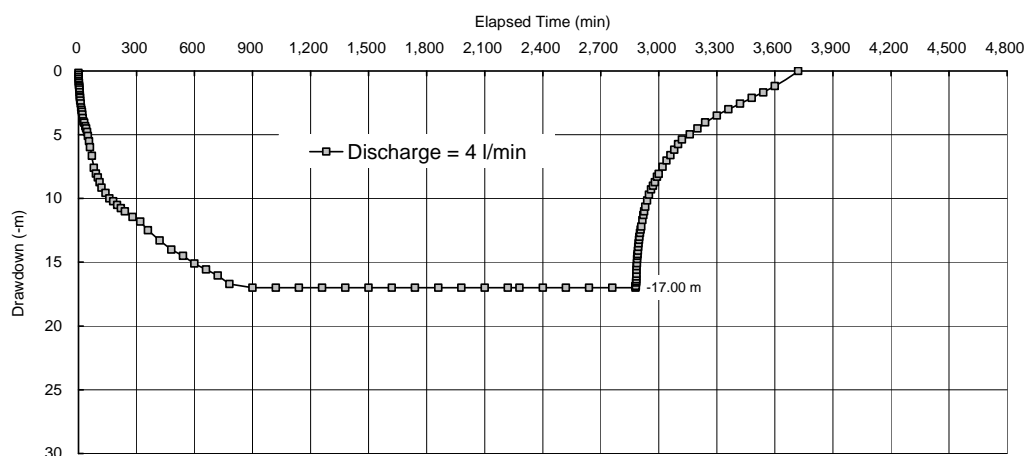


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



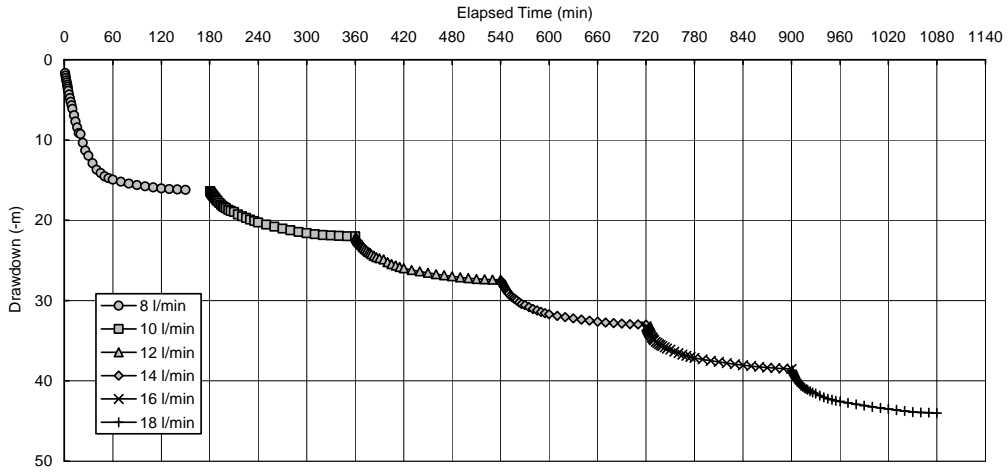
	Discharge (l/min)	Drawdown (m)
1 Step	2	5.00
2 Step	3	10.50
3 Step	4	15.10
4 Step	5	19.68
5 Step	6	26.70

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

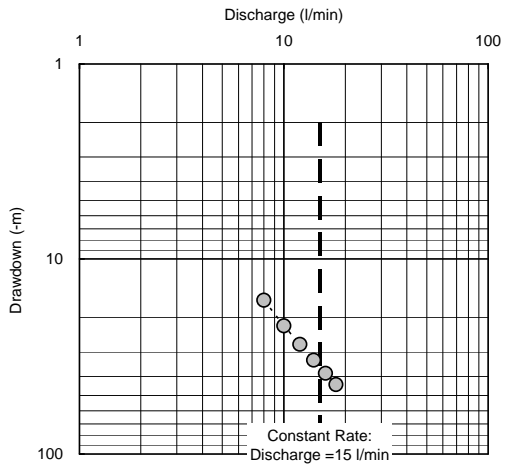


P-6: Ea Cha Rang

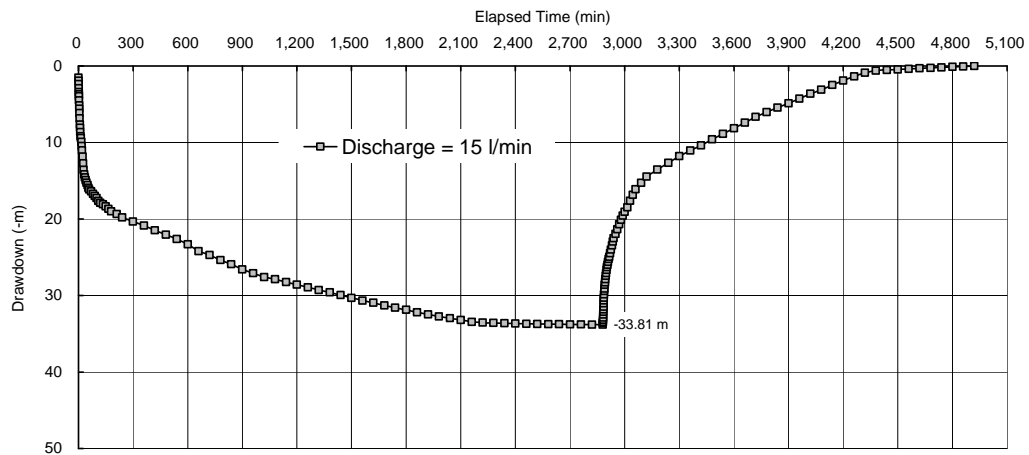
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

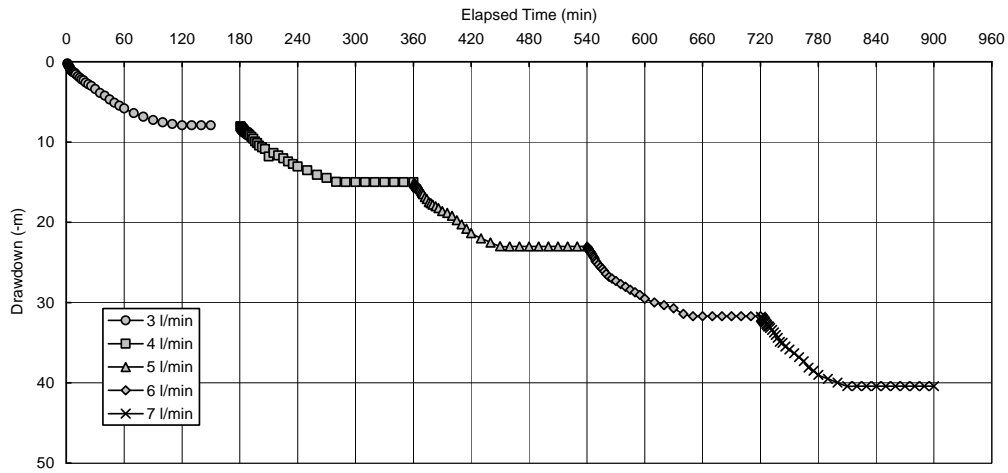


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

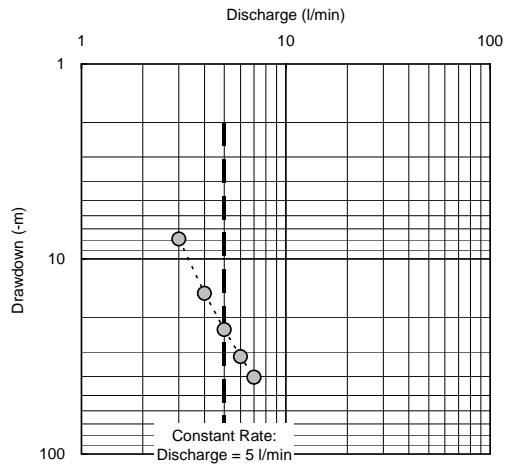


P-7: Suoi Bac

Step Drawdown Test: Relationship between 'Time and Drawdown'

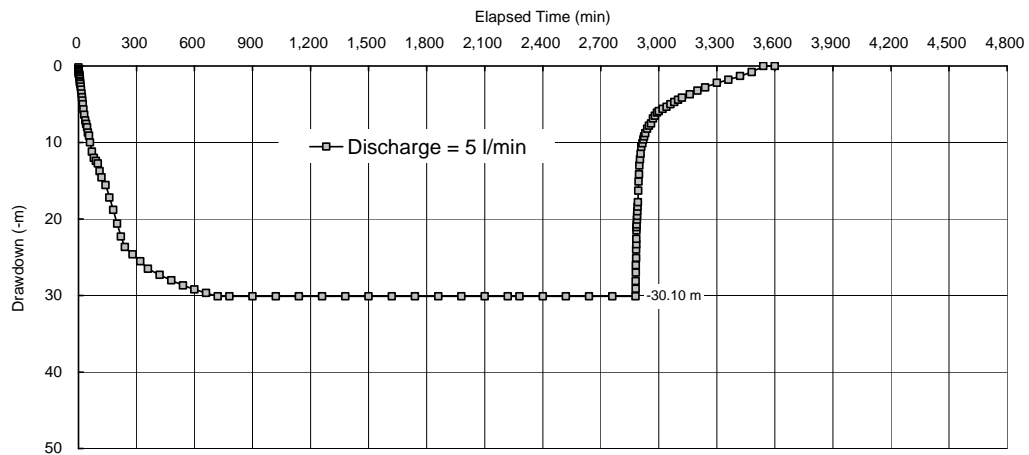


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



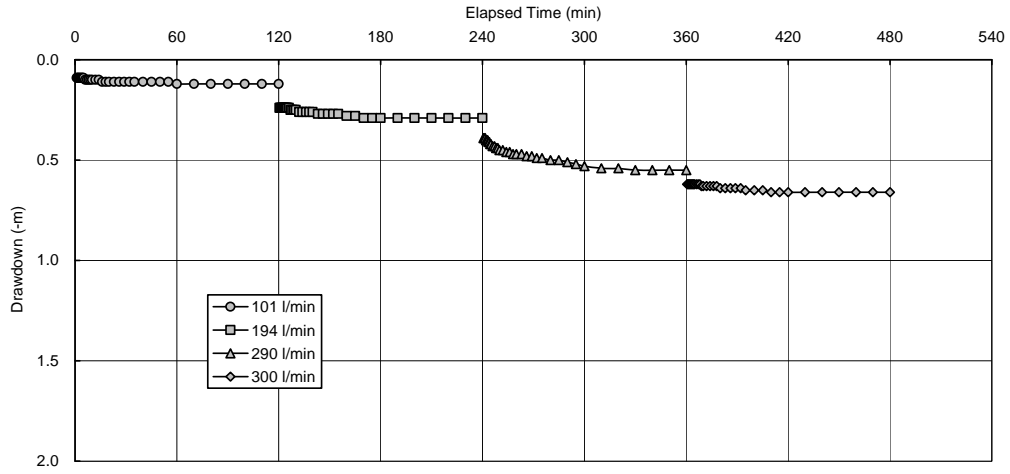
	Discharge (l/min)	Drawdown (m)
1 Step	3	7.90
2 Step	4	15.00
3 Step	5	23.00
4 Step	6	31.70
5 Step	7	40.40

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

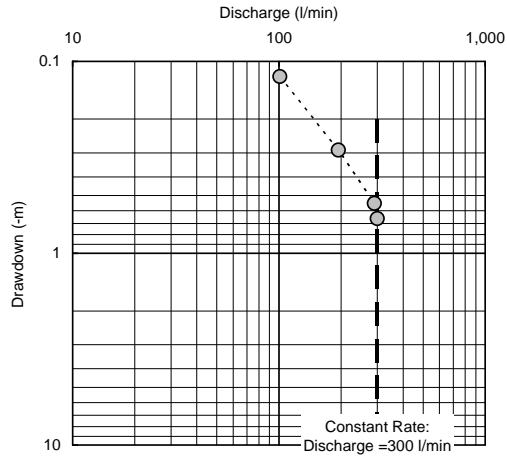


P-8: Son Thanh Dong

Step Drawdown Test: Relationship between 'Time and Drawdown'

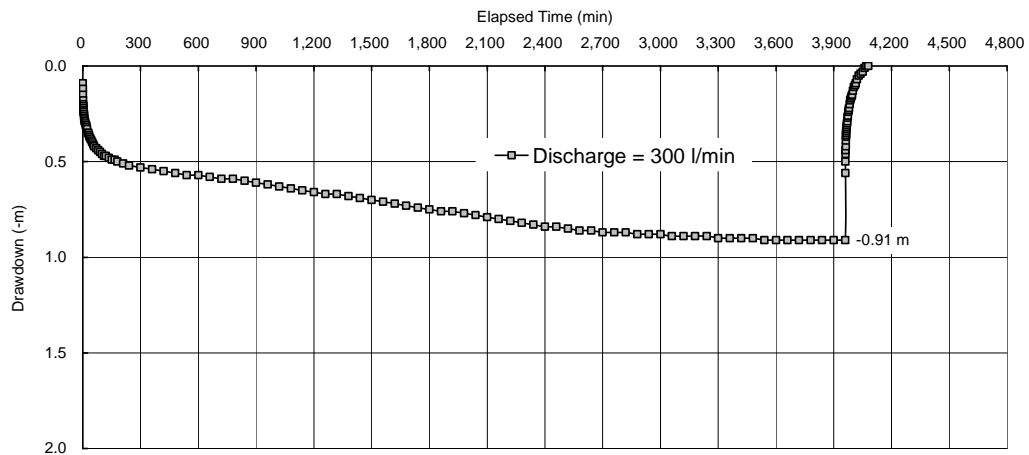


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



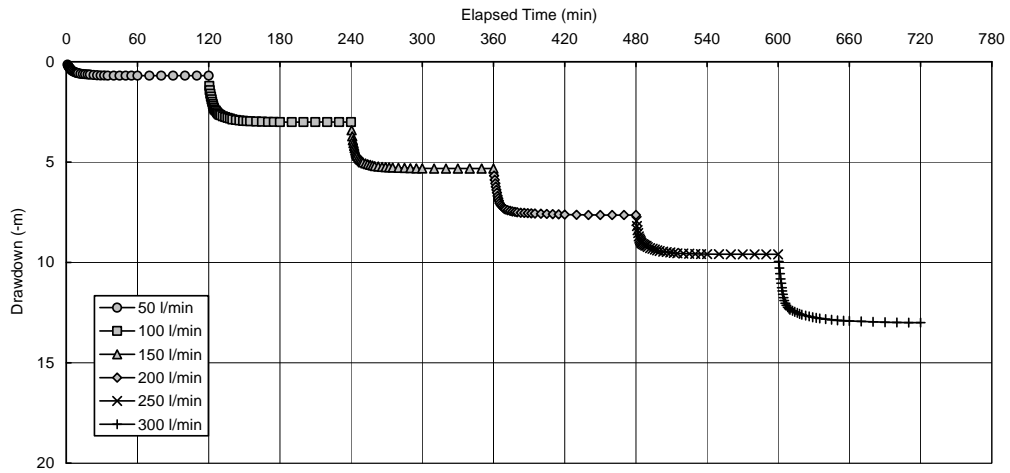
	Discharge (l/min)	Drawdown (m)
1 Step	101	0.12
2 Step	194	0.29
3 Step	290	0.55
4 Step	300	0.66

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

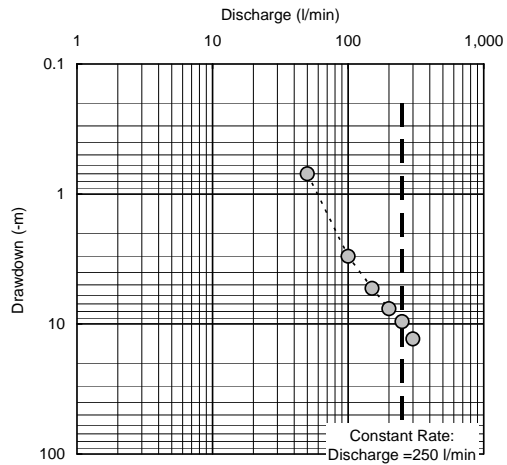


K-1: Cam An Bac

Step Drawdown Test: Relationship between 'Time and Drawdown'

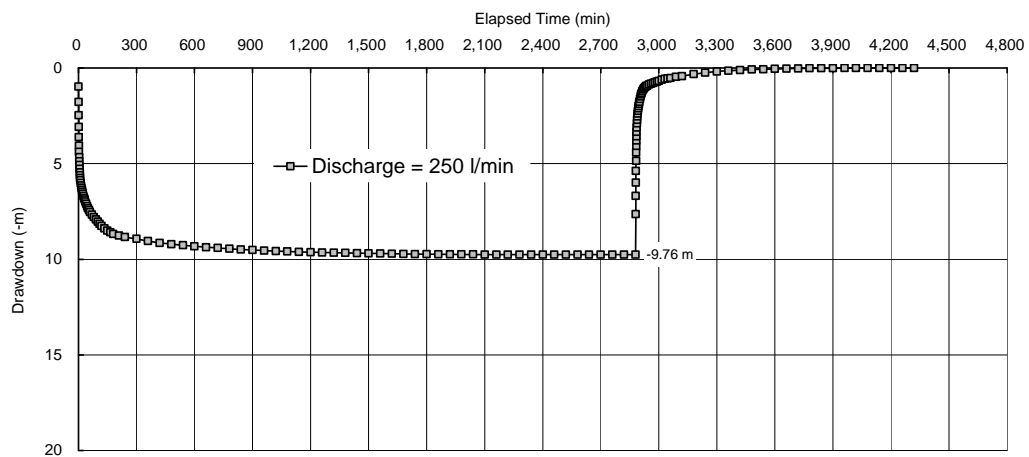


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



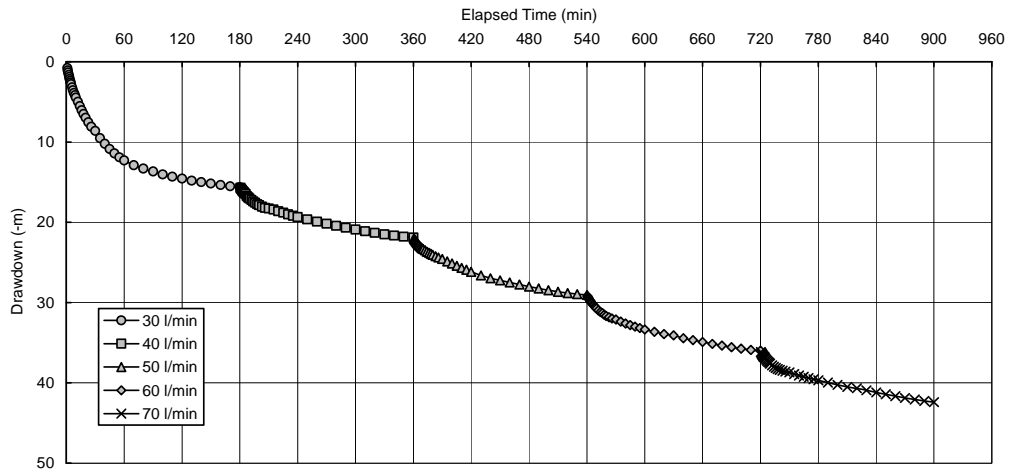
	Discharge (l/min)	Drawdown (m)
1 Step	50	0.70
2 Step	100	3.01
3 Step	150	5.32
4 Step	200	7.63
5 Step	250	9.60
6 Step	300	13.00

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

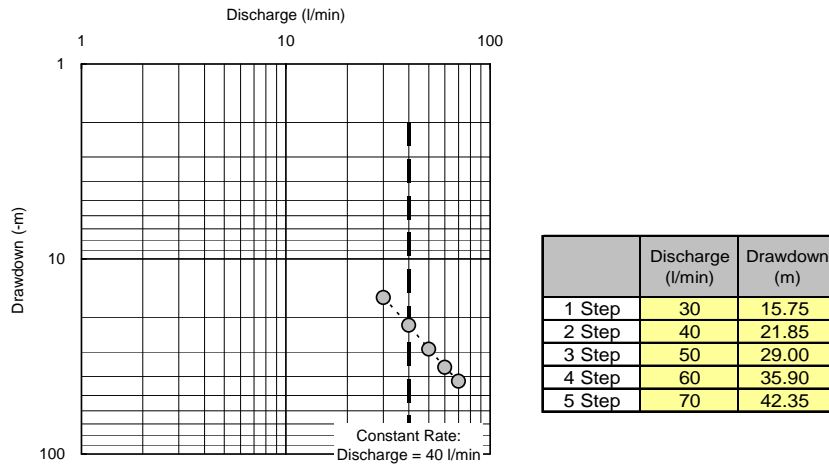


K-2: Cam Hiep Nam

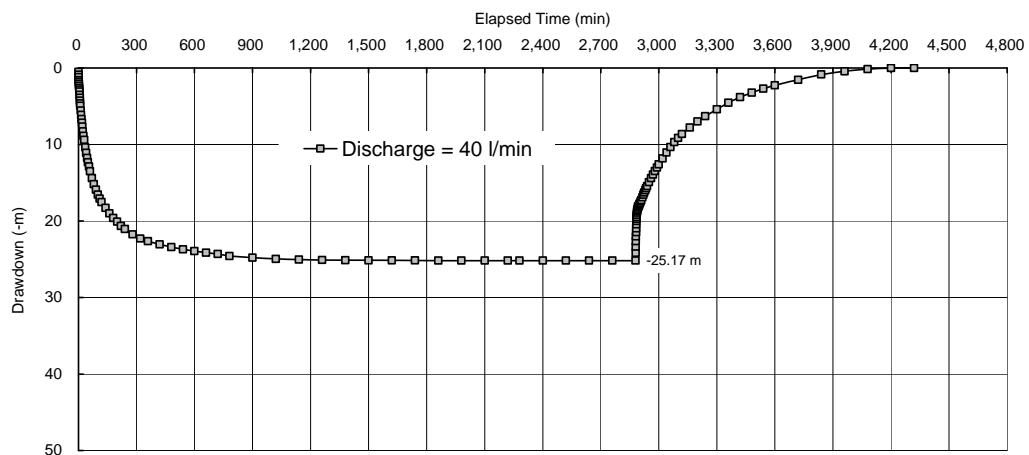
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

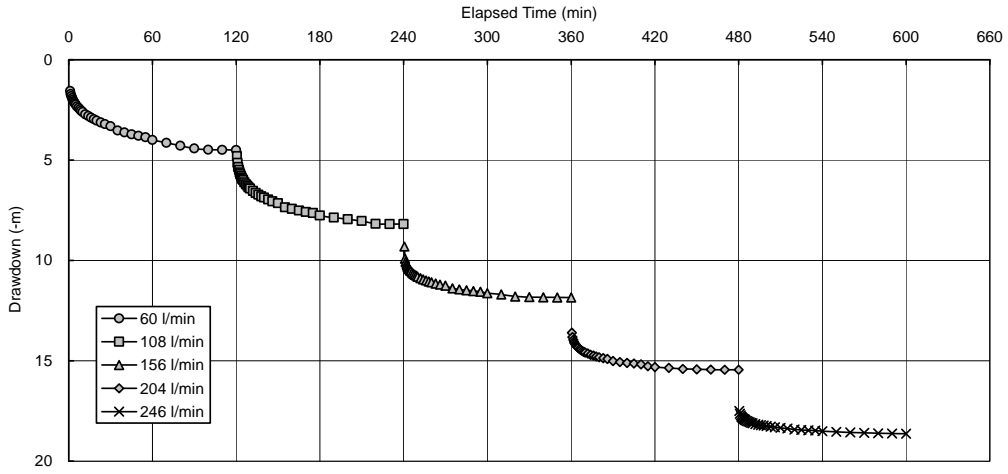


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

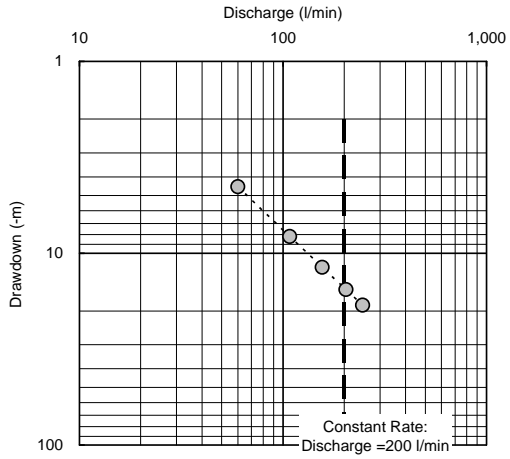


K-3: Cam Hai Tay

Step Drawdown Test: Relationship between 'Time and Drawdown'

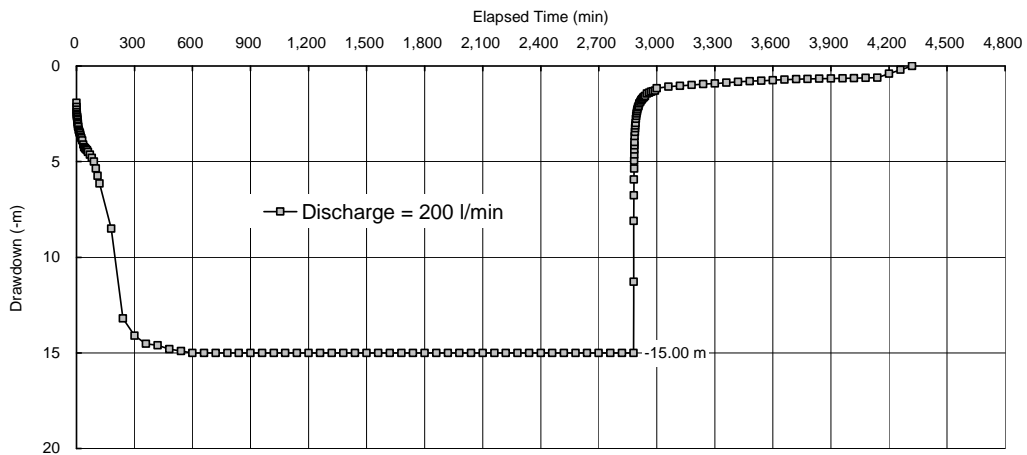


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



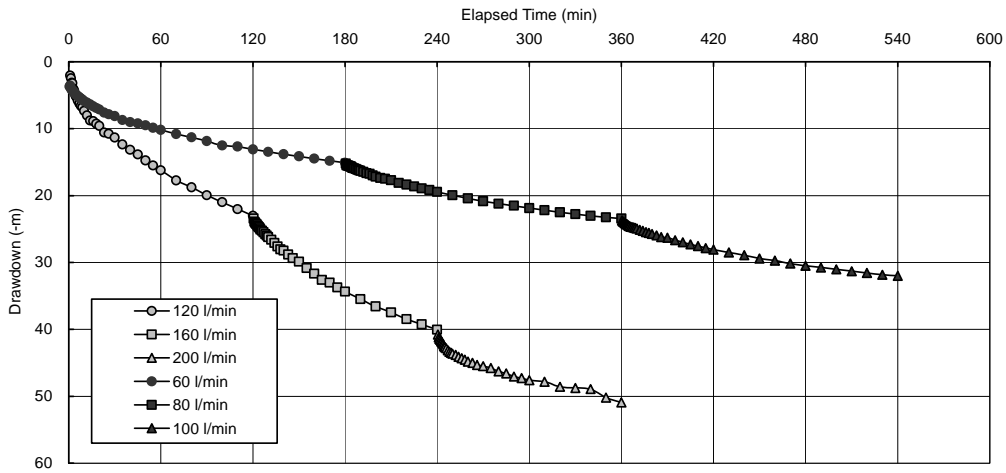
	Discharge (l/min)	Drawdown (m)
1 Step	60	4.50
2 Step	108	8.18
3 Step	156	11.85
4 Step	204	15.45
5 Step	246	18.63

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

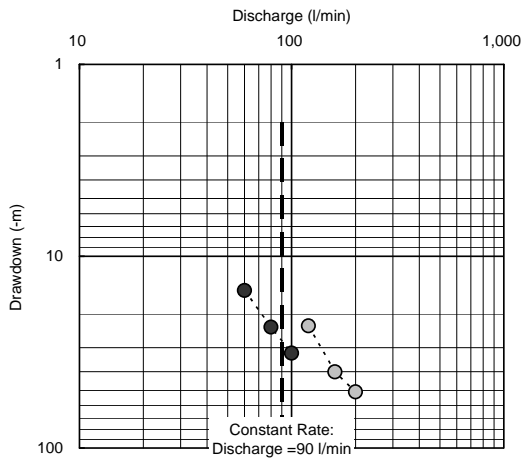


N-1: Nhon Hai

Step Drawdown Test: Relationship between 'Time and Drawdown'



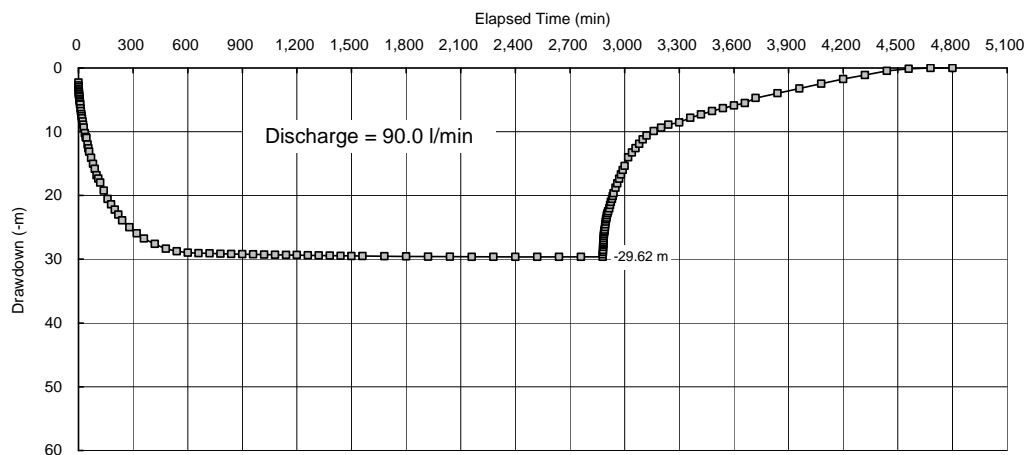
Step Drawdown Test: Relationship between 'Discharge and Drawdown'



Note: Step drawdown test from 120 l/min to 200 l/min (gray color) was carried out. However, it was judged that 120 l/min exceeded the critical yield after getting the results from the local contractor. Hence,

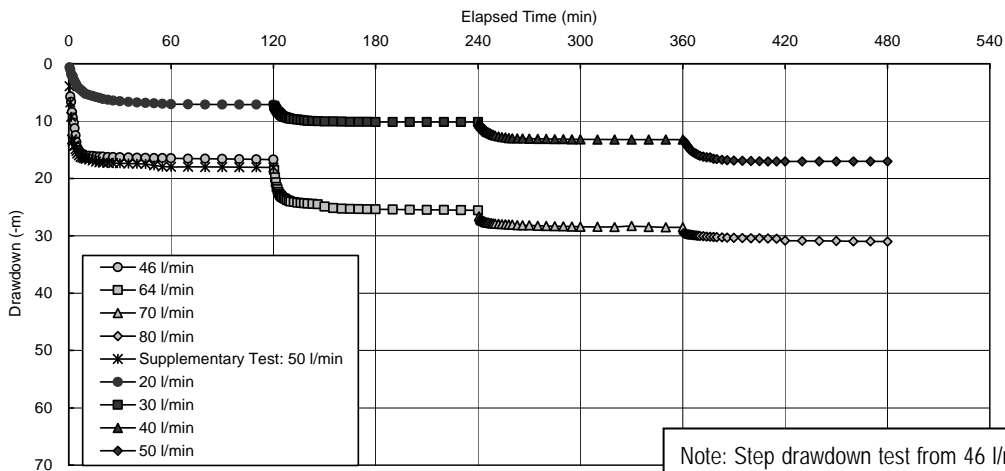
	Discharge (l/min)	Drawdown (m)
1' Step	60.0	15.10
2' Step	80.0	23.44
3' Step	100.0	32.00
1 Step	120.0	23.04
2 Step	160.0	40.04
3 Step	200.0	50.90

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'



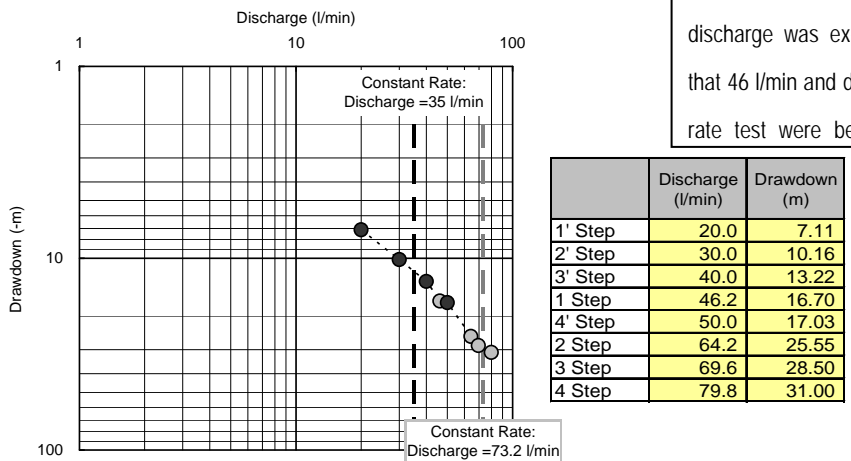
N-2: Cong Hai

Step Drawdown Test: Relationship between 'Time and Drawdown'

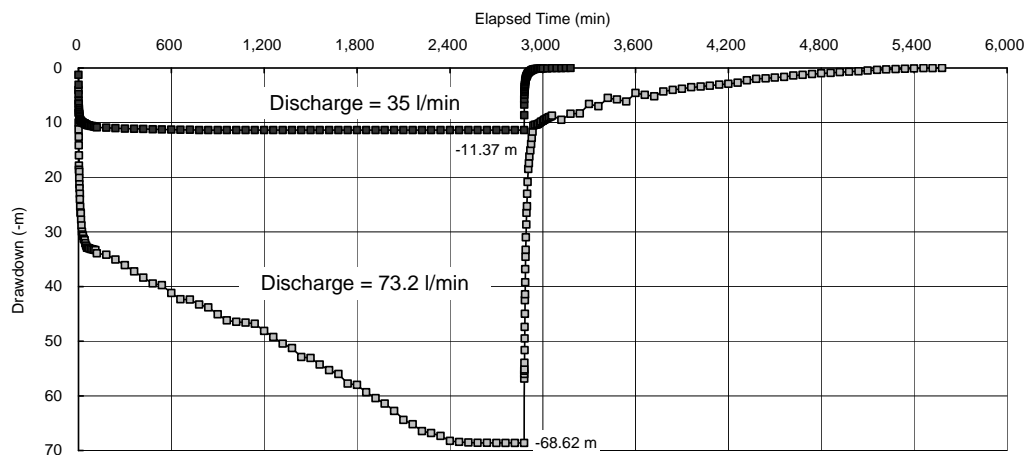


Note: Step drawdown test from 46 l/min to 80 l/min (gray color) was carried out, and then constant rate test by maximum discharge was executed. It was judged that 46 l/min and discharge of the constant rate test were beyond the critical yield.

Step Drawdown Test: Relationship between 'Discharge and Drawdown'

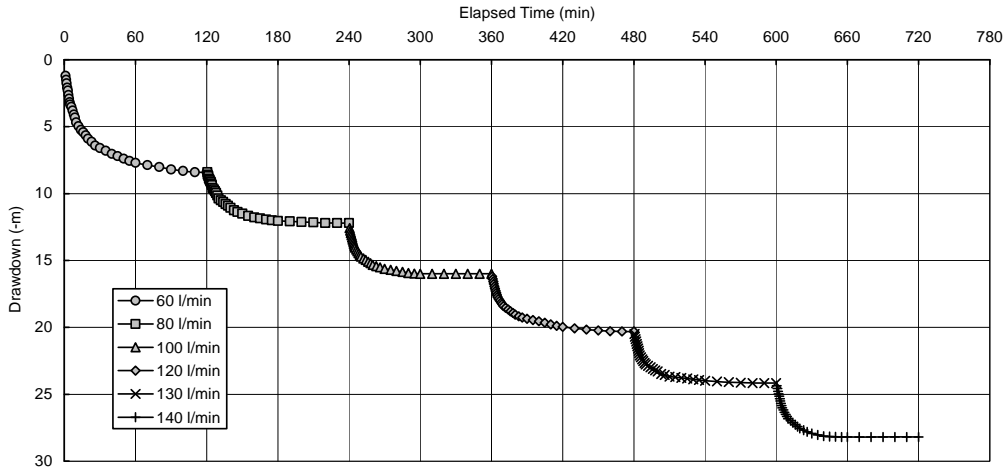


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

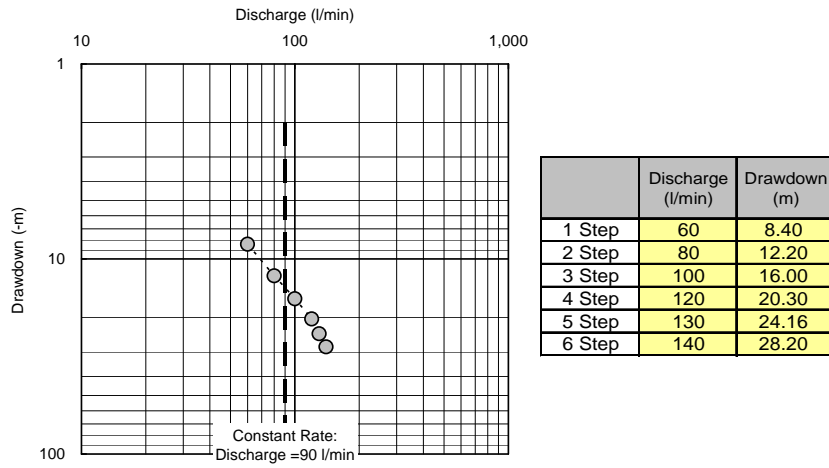


N-3: Bac Son

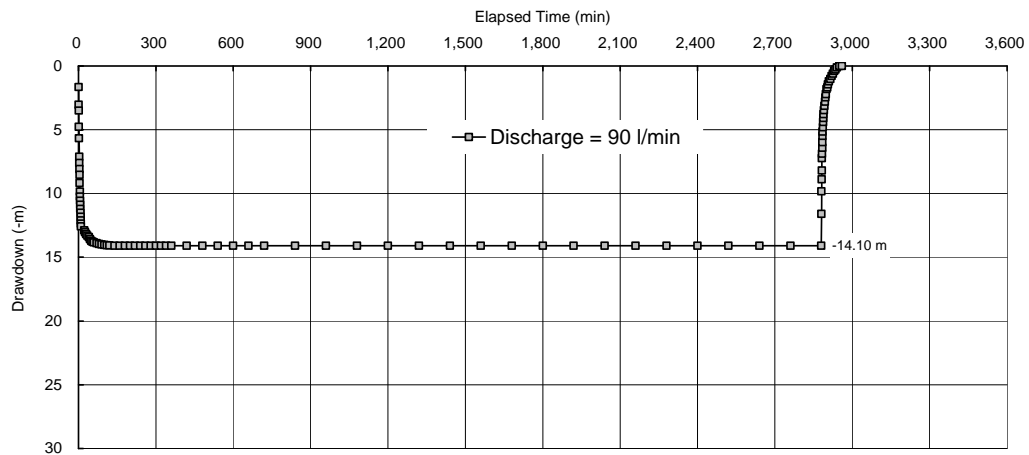
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

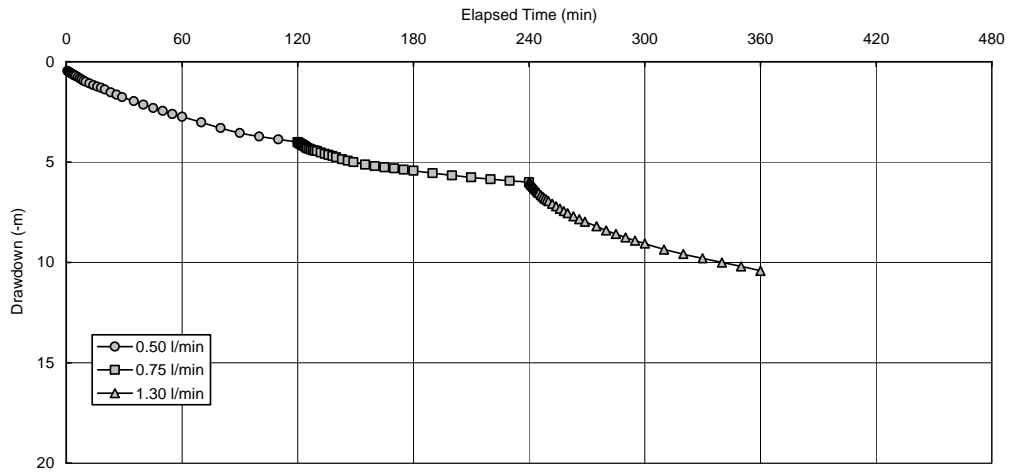


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

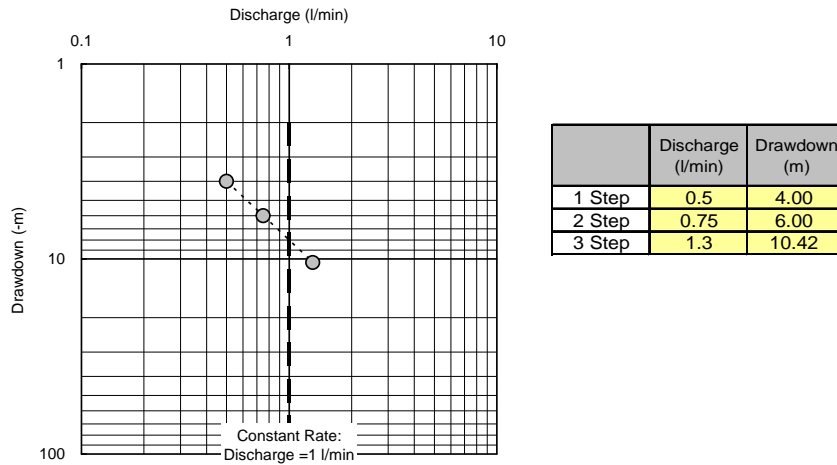


N-4: Phuoc Minh

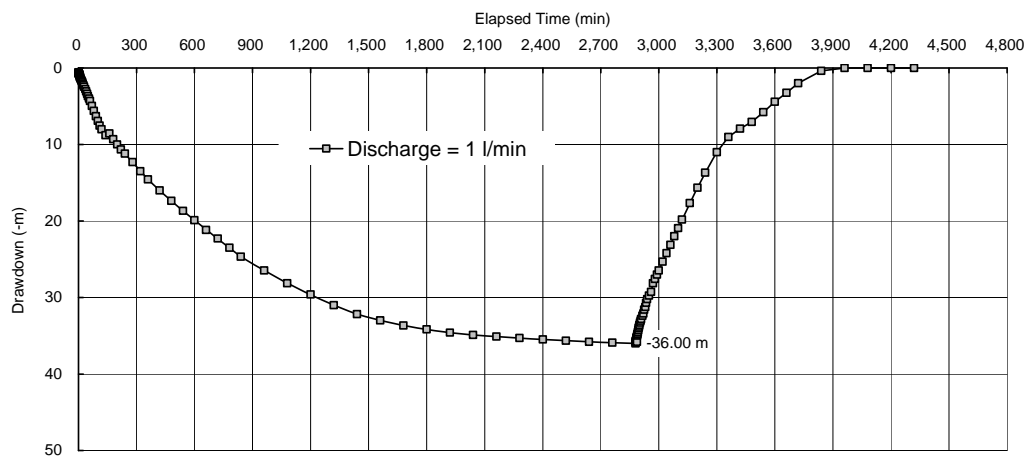
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

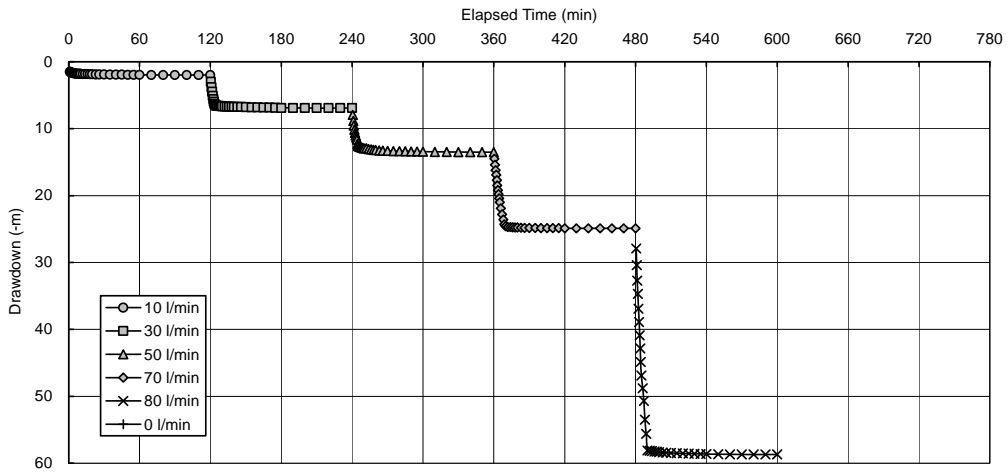


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

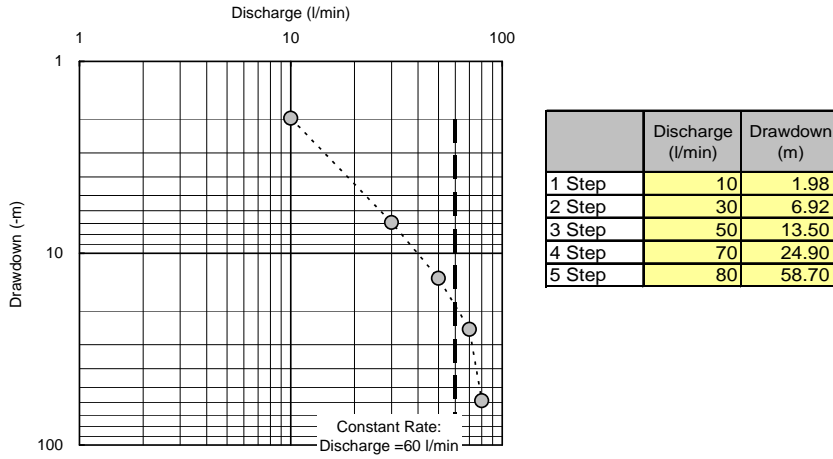


N-5: Phuoc Hai

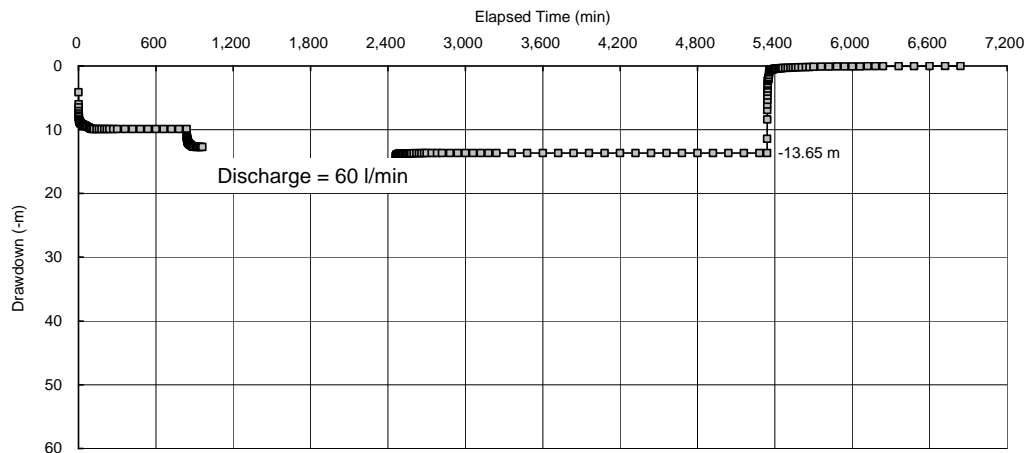
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

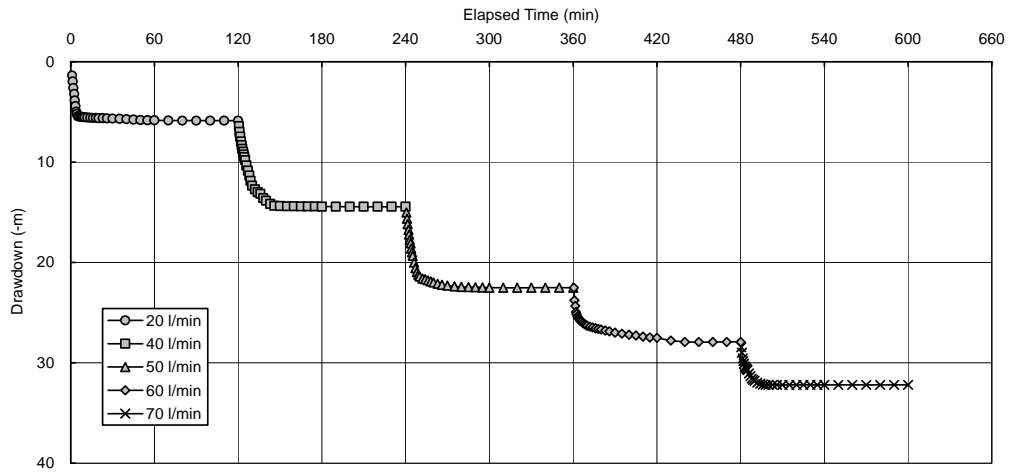


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

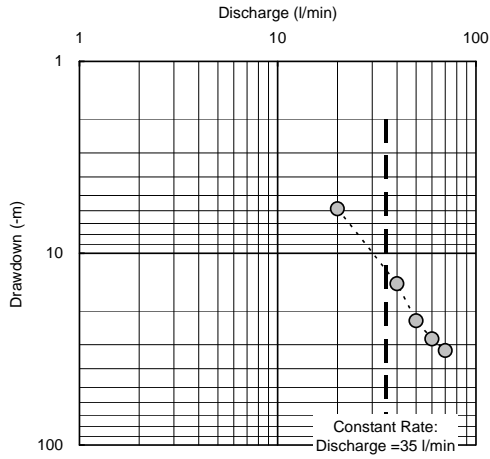


N-6: Phuoc Dinh

Step Drawdown Test: Relationship between 'Time and Drawdown'

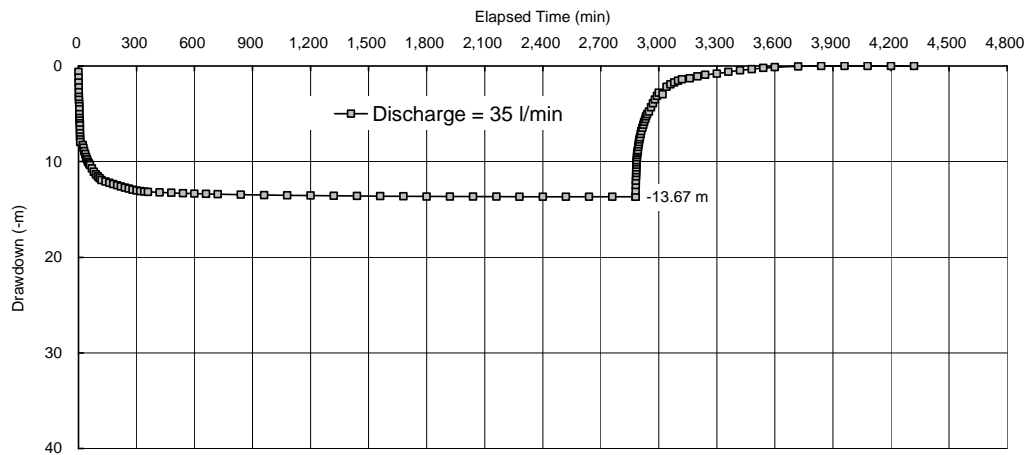


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



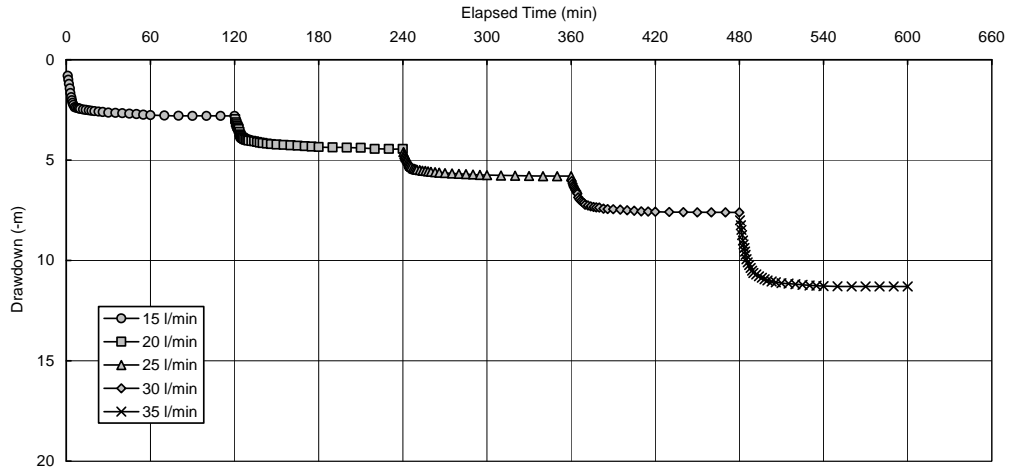
	Discharge (l/min)	Drawdown (m)
1 Step	20	5.87
2 Step	40	14.43
3 Step	50	22.52
4 Step	60	27.93
5 Step	70	32.20

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

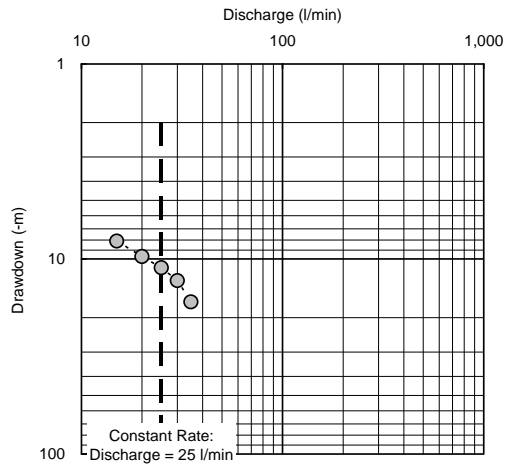


B-1: Muong Man

Step Drawdown Test: Relationship between 'Time and Drawdown'

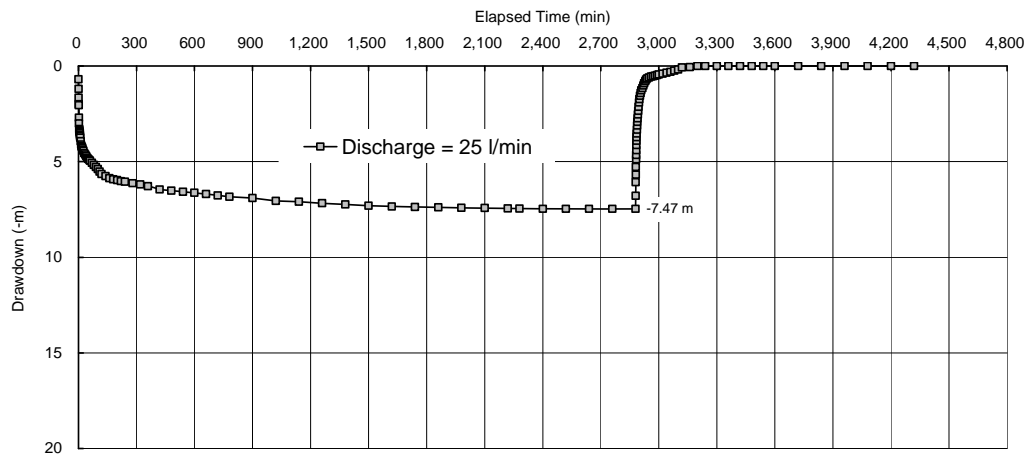


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



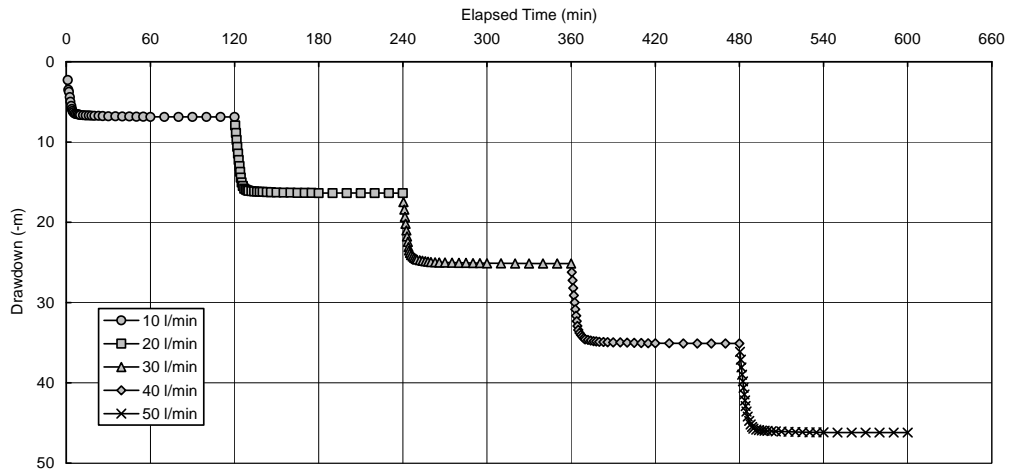
	Discharge (l/min)	Drawdown (m)
1 Step	15	8.10
2 Step	20	9.70
3 Step	25	11.10
4 Step	30	12.90
5 Step	35	16.60

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

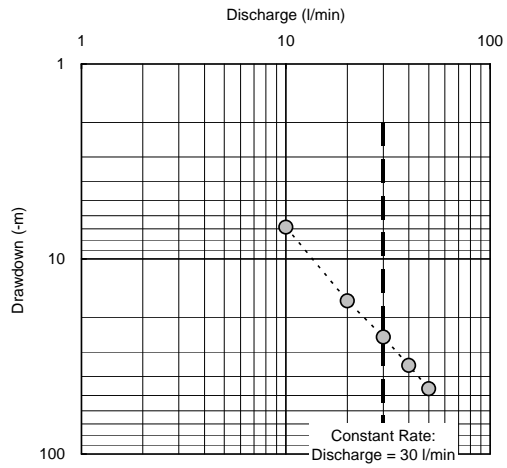


B-2: Gia Huynh

Step Drawdown Test: Relationship between 'Time and Drawdown'

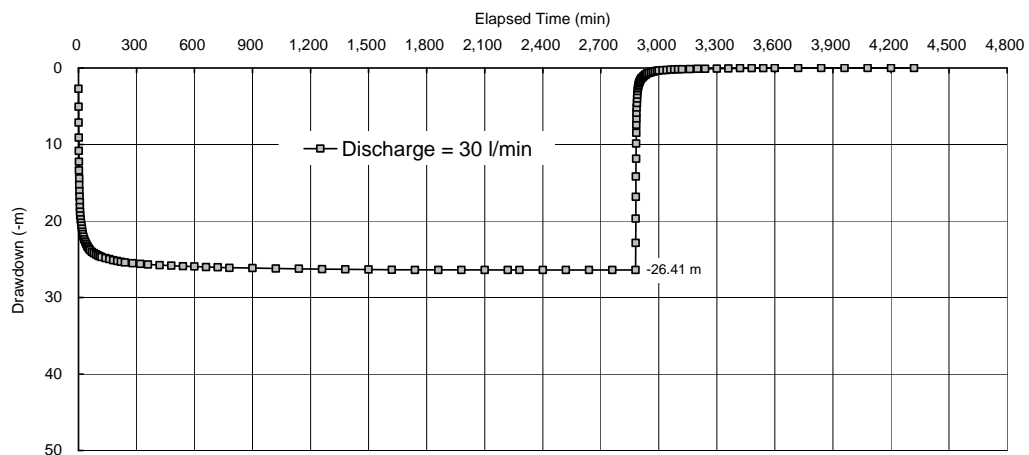


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



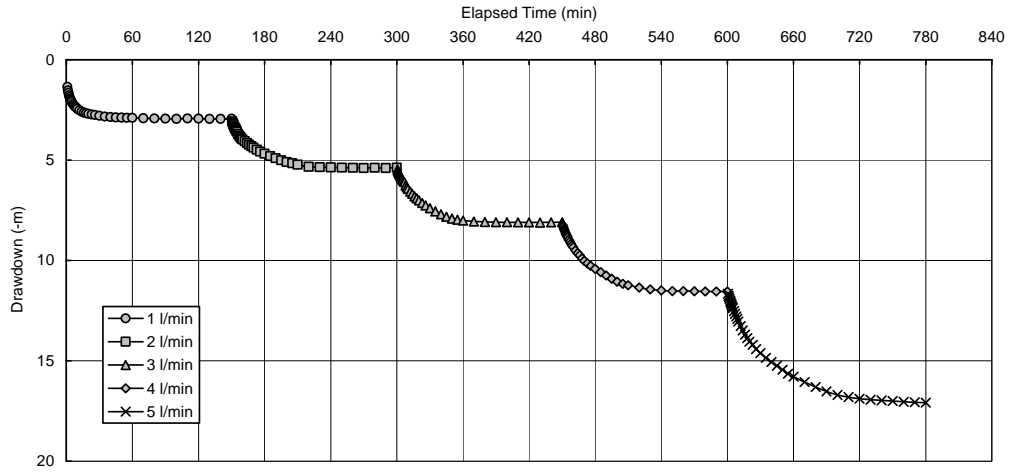
	Discharge (l/min)	Drawdown (m)
1 Step	10	6.87
2 Step	20	16.37
3 Step	30	25.13
4 Step	40	35.10
5 Step	50	46.20

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

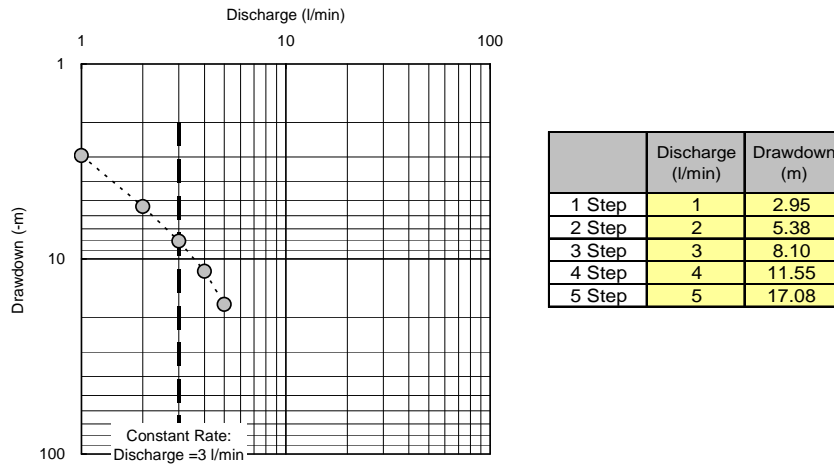


B-3: Nghi Duc

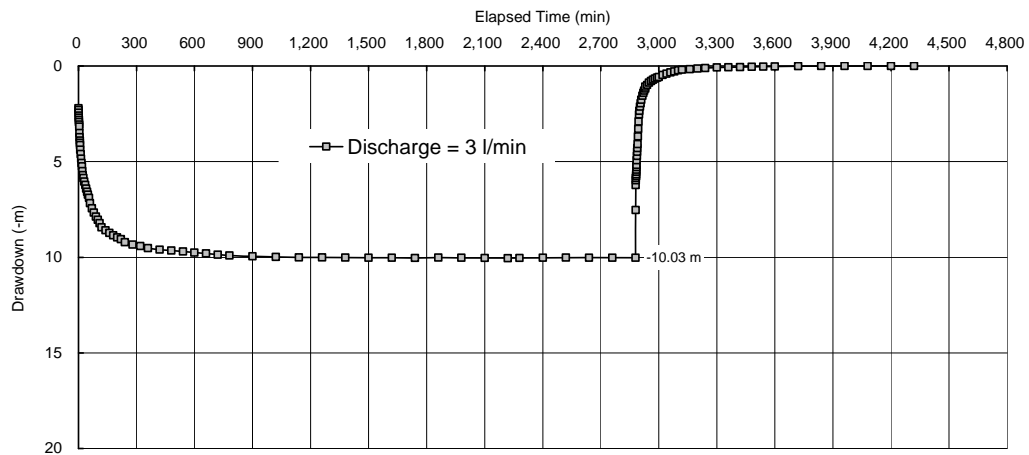
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

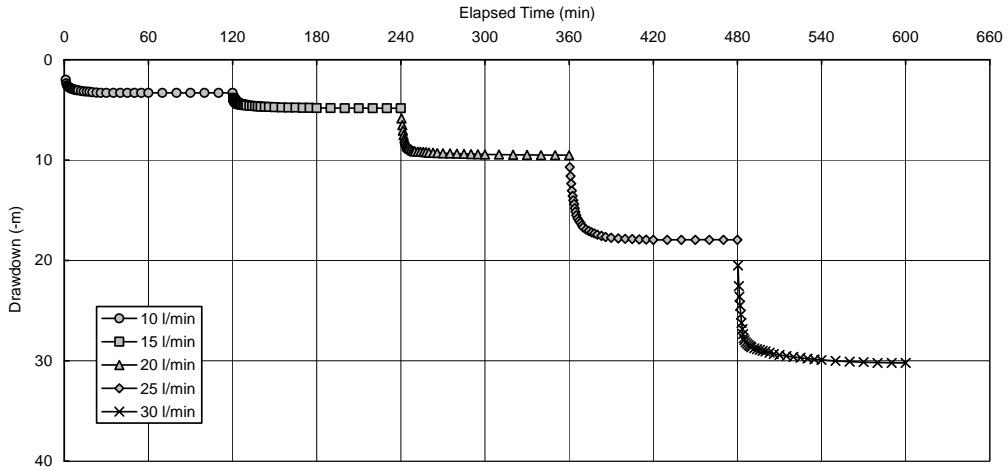


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

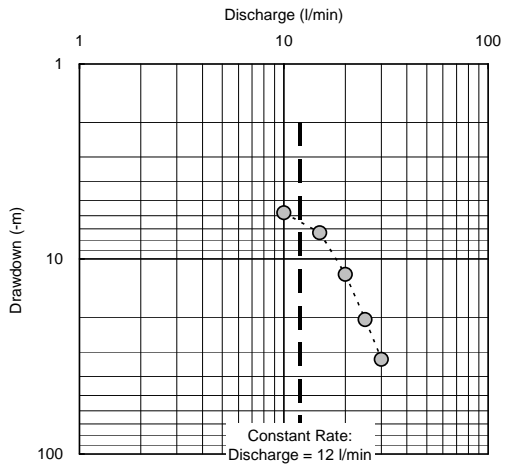


B-4: Tan Duc

Step Drawdown Test: Relationship between 'Time and Drawdown'

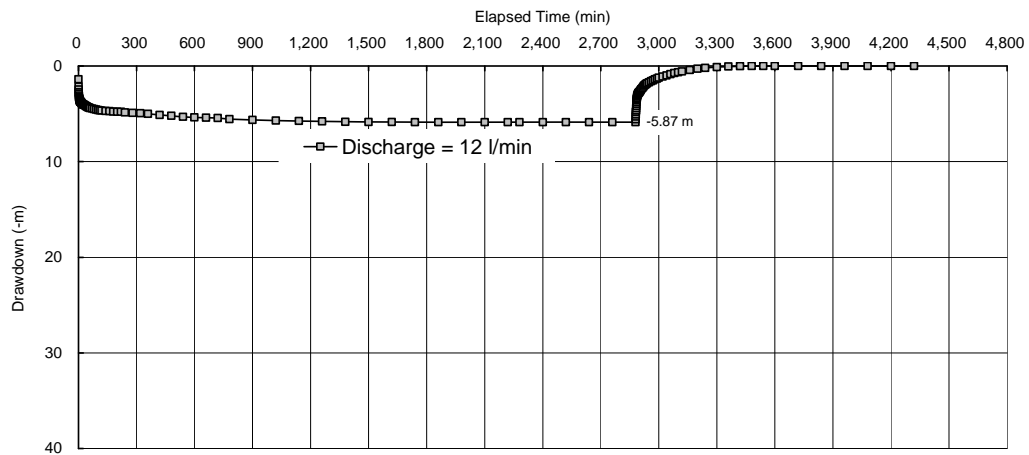


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



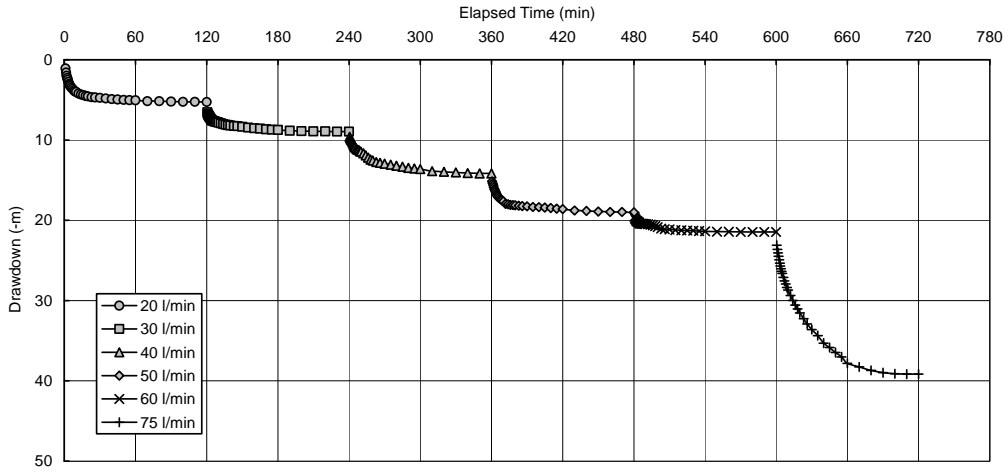
	Discharge (l/min)	Drawdown (m)
1 Step	10	5.80
2 Step	15	7.34
3 Step	20	12.00
4 Step	25	20.45
5 Step	30	32.70

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

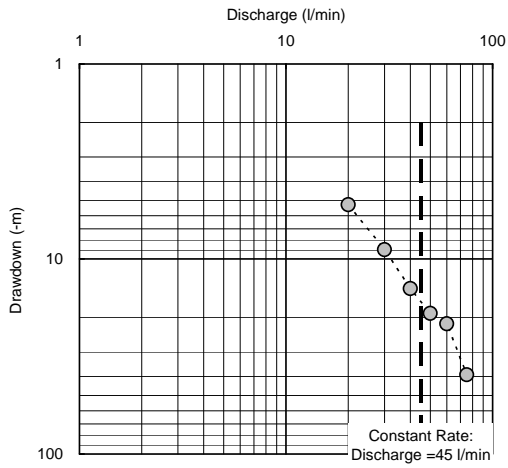


B-5: Me Pu

Step Drawdown Test: Relationship between 'Time and Drawdown'

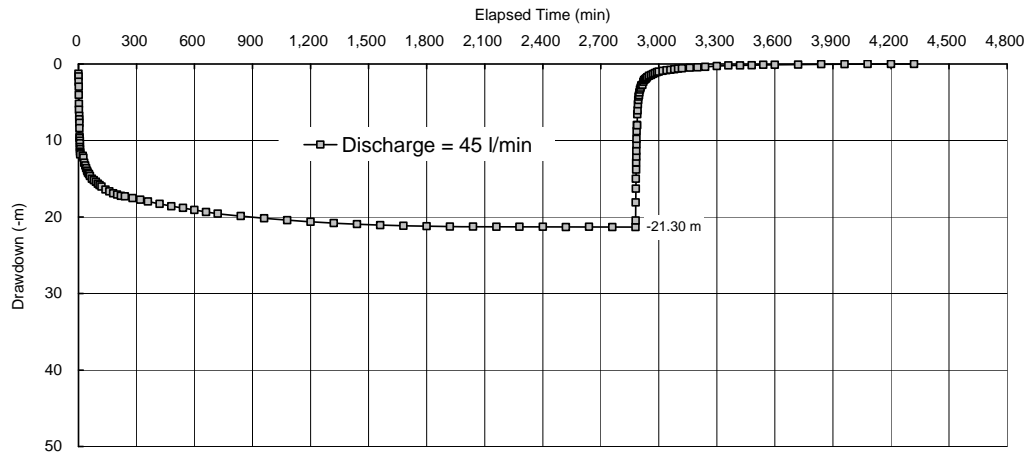


Step Drawdown Test: Relationship between 'Discharge and Drawdown'



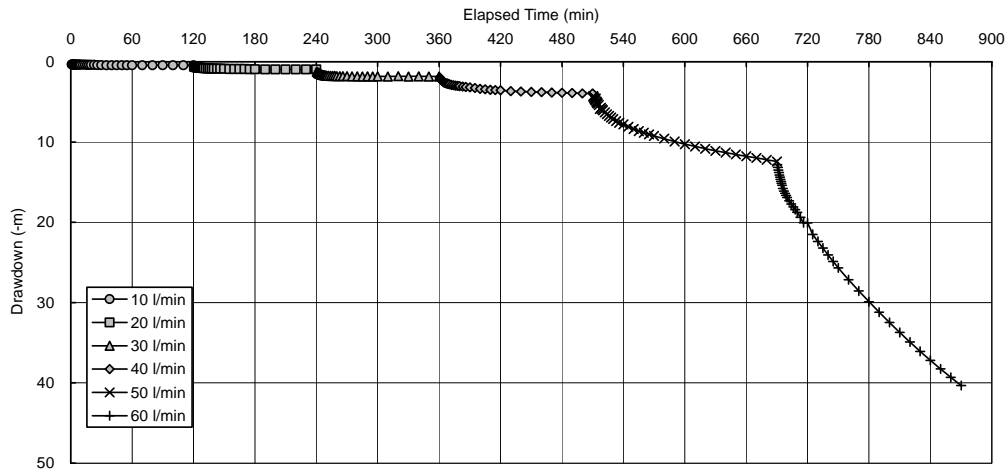
	Discharge (l/min)	Drawdown (m)
1 Step	20	5.26
2 Step	30	8.96
3 Step	40	14.17
4 Step	50	19.00
5 Step	60	21.46
6 Step	75	39.17

Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

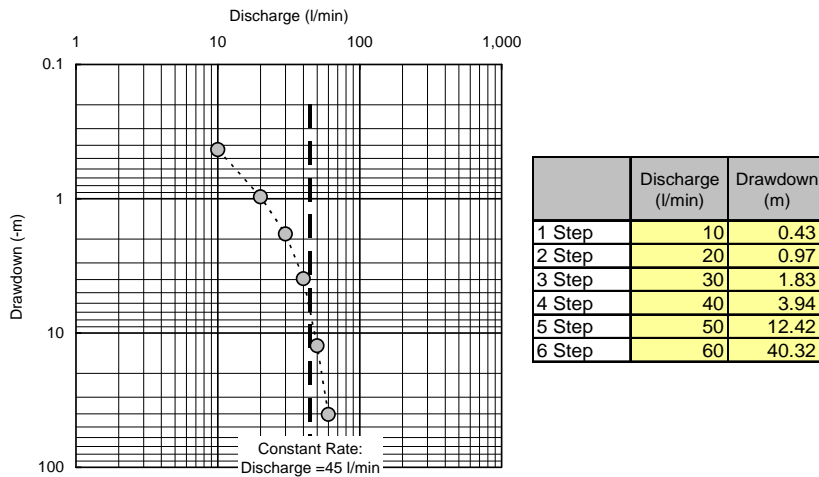


B-6: Dung Nhon

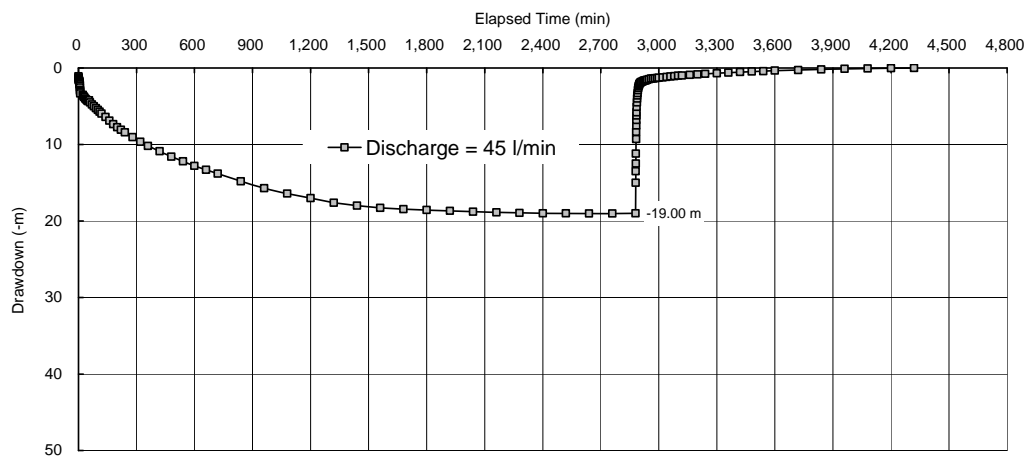
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'

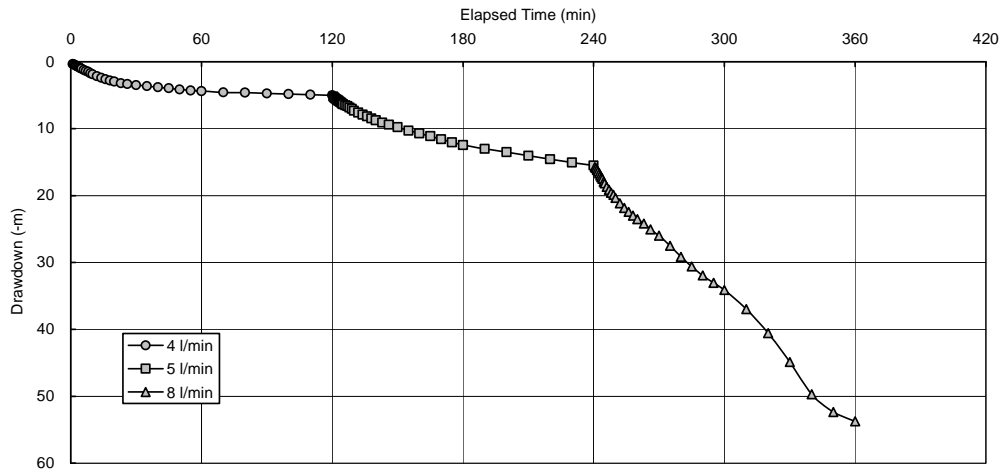


Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'

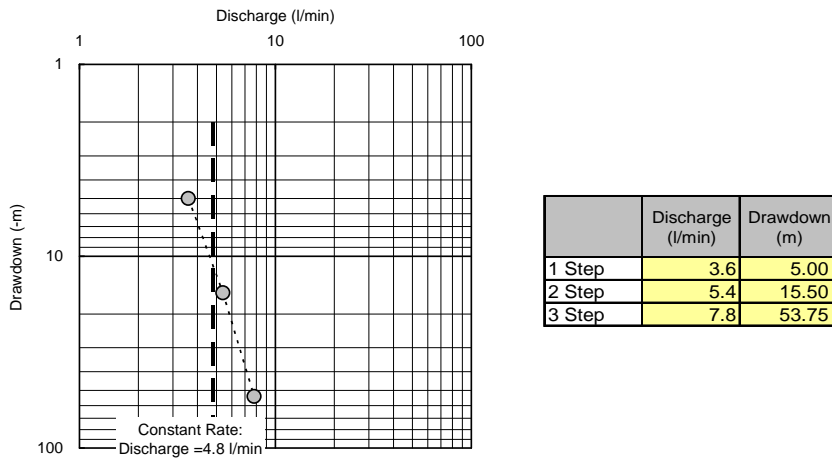


B-7: Da Kai

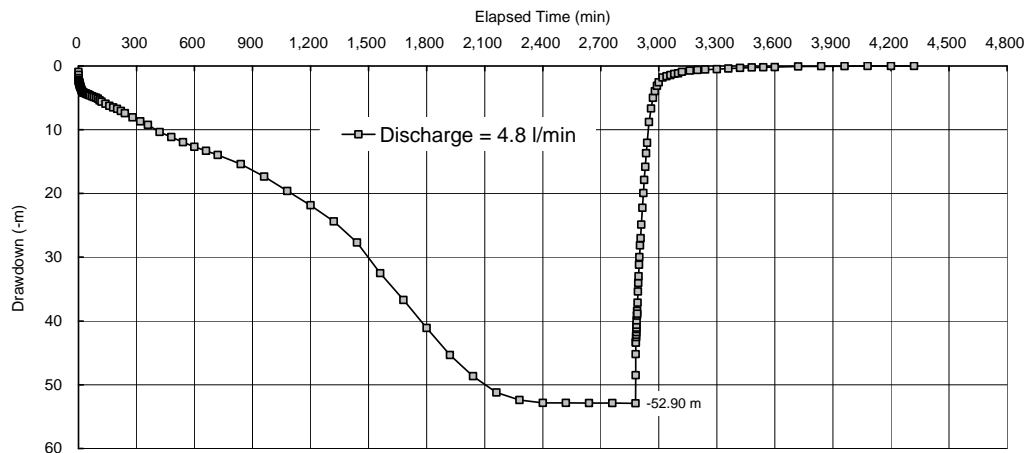
Step Drawdown Test: Relationship between 'Time and Drawdown'



Step Drawdown Test: Relationship between 'Discharge and Drawdown'



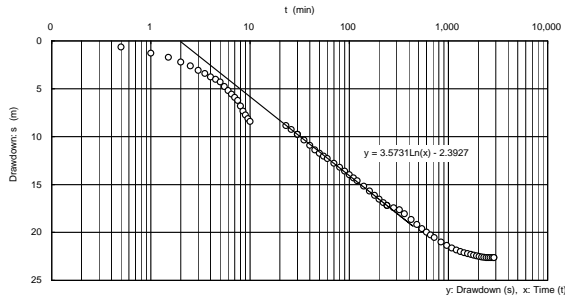
Constant Rate Test and Recovery Test: Relationship between 'Time and Drawdown'



2.3 Results of the Calculation by each 24 Test Boreholes

Results of the calculation by each 24 test boreholes are shown from the next page.

Constant Rate Test: P-1



Transmissivity

$$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$$

$$Q_p = 4.0E-03 \text{ m}^3/\text{min}$$

$$\Delta s' = 8.23 \text{ m}$$

$$T = \underline{8.9E-05} \text{ m}^2/\text{min}$$

Storage Coefficient

$$S = 2.25 T (t_0 / r^2)$$

$$t_0 = 1.95 \text{ min}$$

$$r = 0.07 \text{ m}$$

$$S = \underline{8.0E-02}$$

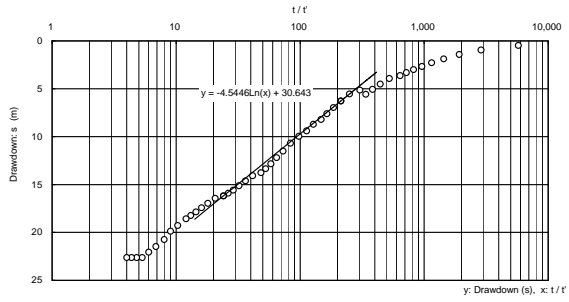
Permeability Coefficient

$$k = \frac{100}{60} \left(\frac{T}{D} \right)$$

$$D = 30.0 \text{ m}$$

$$k = \underline{4.9E-06} \text{ cm/sec}$$

Recovery Test: P-1



Transmissivity

$$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$$

$$Q_p = 4.0E-03 \text{ m}^3/\text{min}$$

$$\Delta s' = 10.46 \text{ m}$$

$$T = \underline{7.0E-05} \text{ m}^2/\text{min}$$

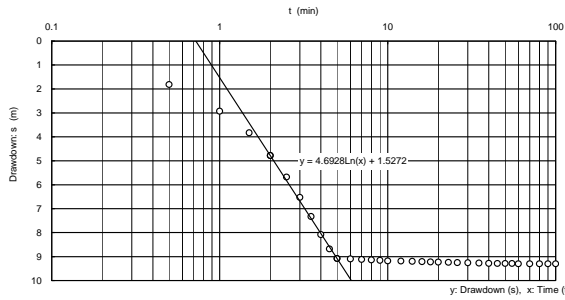
Permeability Coefficient

$$k = \frac{100}{60} \left(\frac{T}{D} \right)$$

$$D = 30.0 \text{ m}$$

$$k = \underline{3.9E-06} \text{ cm/sec}$$

Constant Rate Test: P-2



Transmissivity

$$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$$

$$Q_p = 2.0E-01 \text{ m}^3/\text{min}$$

$$\Delta s' = 10.81 \text{ m}$$

$$T = \underline{3.4E-03} \text{ m}^2/\text{min}$$

Storage Coefficient

$$S = 2.25 T (t_0 / r^2)$$

$$t_0 = 0.72 \text{ min}$$

$$r = 0.057 \text{ m}$$

$$S = \underline{1.7E+00}$$

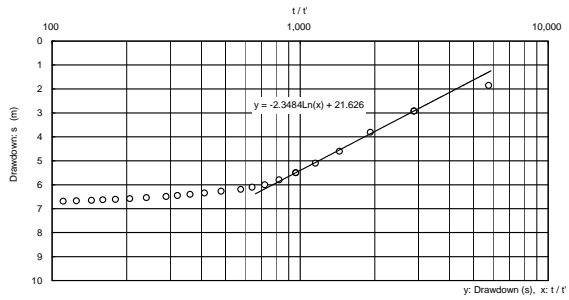
Permeability Coefficient

$$k = \frac{100}{60} \left(\frac{T}{D} \right)$$

$$D = 7.0 \text{ m}$$

$$k = \underline{8.1E-04} \text{ cm/sec}$$

Recovery Test: P-2



Transmissivity

$$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$$

$$Q_p = 2.0E-01 \text{ m}^3/\text{min}$$

$$\Delta s' = 5.41 \text{ m}$$

$$T = \underline{6.8E-03} \text{ m}^2/\text{min}$$

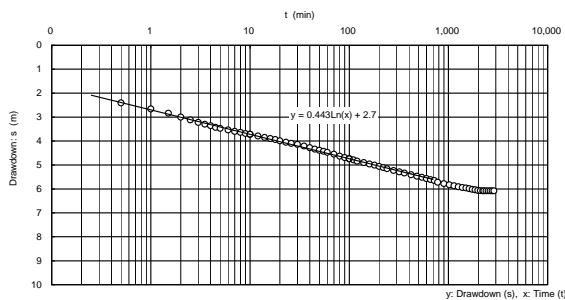
Permeability Coefficient

$$k = \frac{100}{60} \left(\frac{T}{D} \right)$$

$$D = 7.0 \text{ m}$$

$$k = \underline{1.6E-03} \text{ cm/sec}$$

Constant Rate Test: P-3



Transmissivity

$$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$$

$$Q_p = 8.0E-02 \text{ m}^3/\text{min}$$

$$\Delta s' = 1.02 \text{ m}$$

$$T = \underline{1.4E-02} \text{ m}^2/\text{min}$$

Storage Coefficient

$$S = 2.25 T (t_0 / r^2)$$

$$t_0 = 0.002 \text{ min}$$

$$r = 0.07 \text{ m}$$

$$S = \underline{1.5E-02}$$

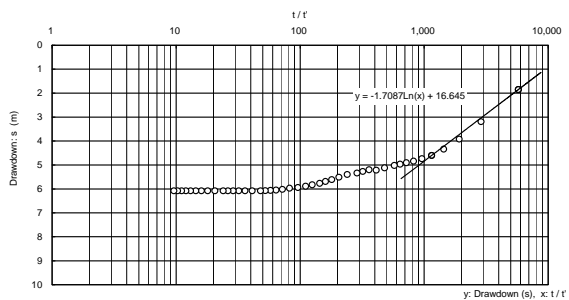
Permeability Coefficient

$$k = \frac{100}{60} \left(\frac{T}{D} \right)$$

$$D = 15.0 \text{ m}$$

$$k = \underline{1.6E-03} \text{ cm/sec}$$

Recovery Test: P-3



Transmissivity

$$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$$

$$Q_p = 8.0E-02 \text{ m}^3/\text{min}$$

$$\Delta s' = 3.93 \text{ m}$$

$$T = \underline{3.7E-03} \text{ m}^2/\text{min}$$

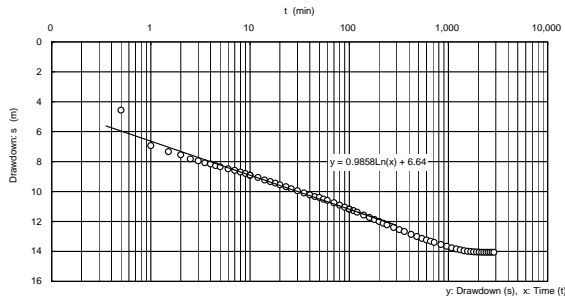
Permeability Coefficient

$$k = \frac{100}{60} \left(\frac{T}{D} \right)$$

$$D = 15.0 \text{ m}$$

$$k = \underline{4.1E-04} \text{ cm/sec}$$

Constant Rate Test: P-4

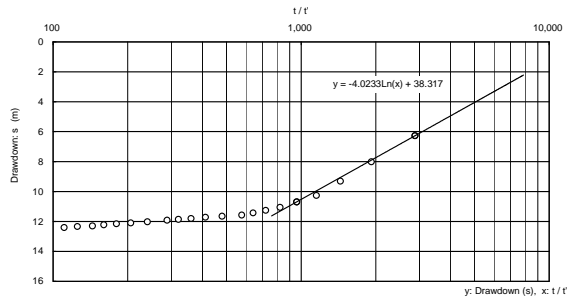


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 4.8E-01 \text{ m}^3/\text{min}$ $\Delta s' = 2.27 \text{ m}$ $T = 3.9E-02 \text{ m}^2/\text{min}$

Storage Coefficient $S = 2.25 T (t_0 / r^2)$ $t_0 = 0.001 \text{ min}$ $r = 0.07 \text{ m}$ $S = 2.1E-02$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 25.0 \text{ m}$ $k = 2.6E-03 \text{ cm/sec}$

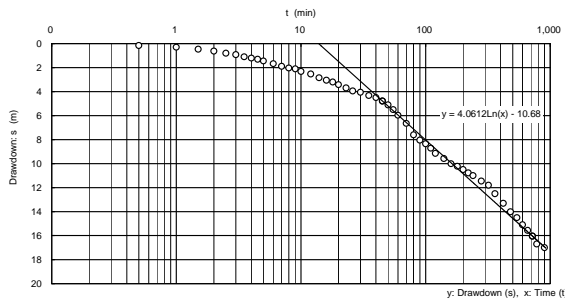
Recovery Test: P-4



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 4.8E-01 \text{ m}^3/\text{min}$ $\Delta s' = 9.26 \text{ m}$ $T = 9.5E-03 \text{ m}^2/\text{min}$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 25.0 \text{ m}$ $k = 6.3E-04 \text{ cm/sec}$

Constant Rate Test: P-5

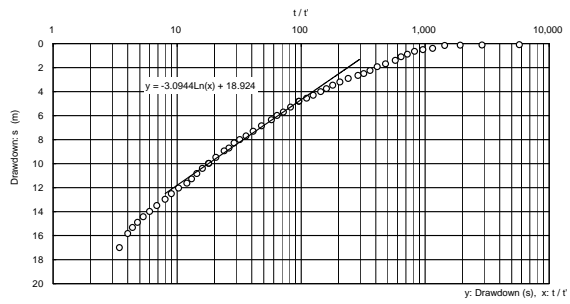


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 4.0E-03 \text{ m}^3/\text{min}$ $\Delta s' = 9.35 \text{ m}$ $T = 7.8E-05 \text{ m}^2/\text{min}$

Storage Coefficient $S = 2.25 T (t_0 / r^2)$ $t_0 = 13.87 \text{ min}$ $r = 0.07 \text{ m}$ $S = 5.0E-01$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 20.0 \text{ m}$ $k = 6.5E-06 \text{ cm/sec}$

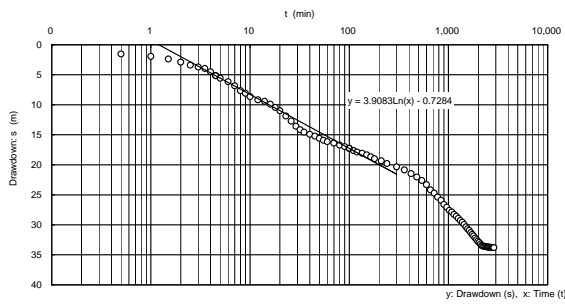
Recovery Test: P-5



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 4.0E-03 \text{ m}^3/\text{min}$ $\Delta s' = 7.13 \text{ m}$ $T = 1.0E-04 \text{ m}^2/\text{min}$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 20.0 \text{ m}$ $k = 8.6E-06 \text{ cm/sec}$

Constant Rate Test: P-6

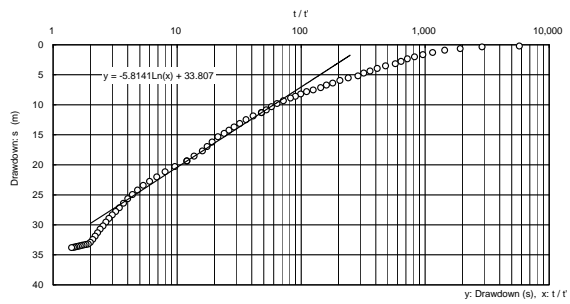


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 1.5E-02 \text{ m}^3/\text{min}$ $\Delta s' = 9.00 \text{ m}$ $T = 3.1E-04 \text{ m}^2/\text{min}$

Storage Coefficient $S = 2.25 T (t_0 / r^2)$ $t_0 = 1.20 \text{ min}$ $r = 0.07 \text{ m}$ $S = 1.7E-01$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 20.0 \text{ m}$ $k = 2.5E-05 \text{ cm/sec}$

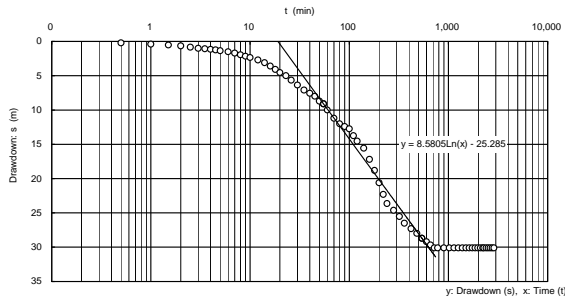
Recovery Test: P-6



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 1.5E-02 \text{ m}^3/\text{min}$ $\Delta s' = 13.39 \text{ m}$ $T = 2.1E-04 \text{ m}^2/\text{min}$

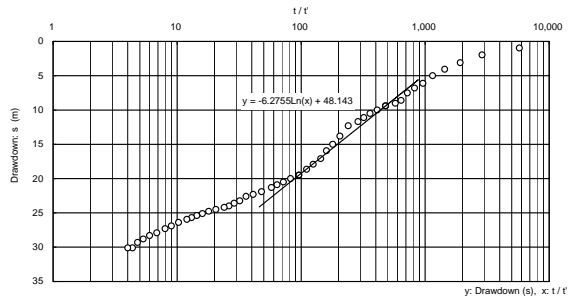
Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 20.0 \text{ m}$ $k = 1.7E-05 \text{ cm/sec}$

Constant Rate Test: P-7



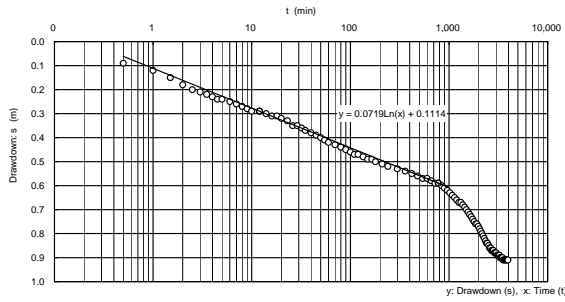
Transmissivity	Storage Coefficient	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$S = 2.25 T (t_0 / r^2)$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 5.0E-03 \text{ m}^3/\text{min}$	$t_0 = 19.04 \text{ min}$	$D = 17.0 \text{ m}$
$\Delta s' = 19.76 \text{ m}$	$r = 0.07 \text{ m}$	$k = 4.5E-06 \text{ cm/sec}$
$T = 4.6E-05 \text{ m}^2/\text{min}$	$S = 4.1E-01$	

Recovery Test: P-7



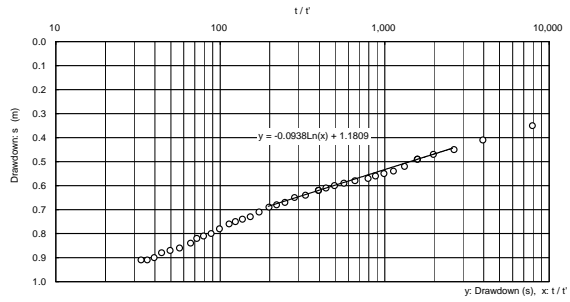
Transmissivity	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 5.0E-03 \text{ m}^3/\text{min}$	$D = 17.0 \text{ m}$
$\Delta s' = 14.45 \text{ m}$	$k = 6.2E-06 \text{ cm/sec}$
$T = 6.3E-05 \text{ m}^2/\text{min}$	

Constant Rate Test: P-8



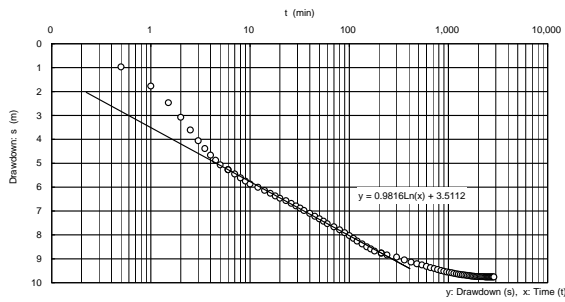
Transmissivity	Storage Coefficient	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$S = 2.25 T (t_0 / r^2)$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 3.0E-01 \text{ m}^3/\text{min}$	$t_0 = 0.21 \text{ min}$	$D = 25.0 \text{ m}$
$\Delta s' = 0.17 \text{ m}$	$r = 0.07 \text{ m}$	$k = 2.2E-02 \text{ cm/sec}$
$T = 3.3E-01 \text{ m}^2/\text{min}$	$S = 3.2E+01$	

Recovery Test: P-8



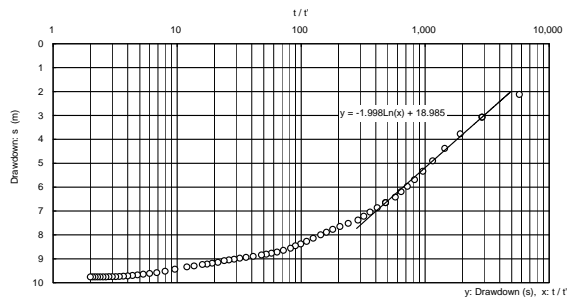
Transmissivity	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 3.0E-01 \text{ m}^3/\text{min}$	$D = 25.0 \text{ m}$
$\Delta s' = 0.22 \text{ m}$	$k = 1.7E-02 \text{ cm/sec}$
$T = 2.5E-01 \text{ m}^2/\text{min}$	

Constant Rate Test: K-1



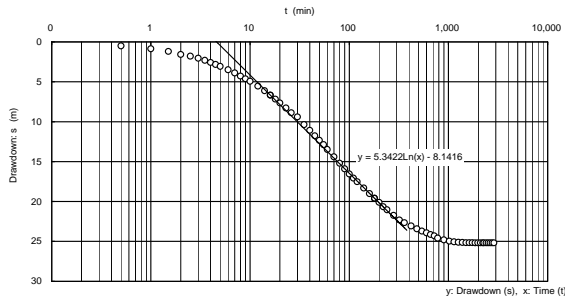
Transmissivity	Storage Coefficient	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$S = 2.25 T (t_0 / r^2)$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 2.5E-01 \text{ m}^3/\text{min}$	$t_0 = 0.03 \text{ min}$	$D = 30.0 \text{ m}$
$\Delta s' = 2.26 \text{ m}$	$r = 0.07 \text{ m}$	$k = 1.1E-03 \text{ cm/sec}$
$T = 2.0E-02 \text{ m}^2/\text{min}$	$S = 2.6E-01$	

Recovery Test: K-1



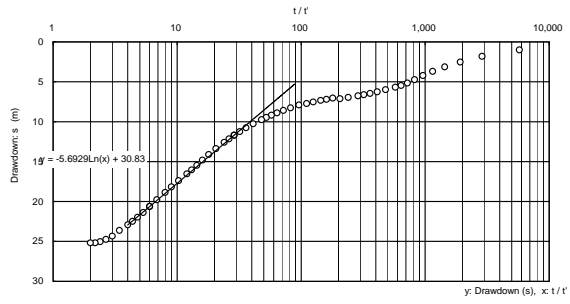
Transmissivity	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 2.5E-01 \text{ m}^3/\text{min}$	$D = 30.0 \text{ m}$
$\Delta s' = 4.60 \text{ m}$	$k = 5.5E-04 \text{ cm/sec}$
$T = 9.9E-03 \text{ m}^2/\text{min}$	

Constant Rate Test: K-2



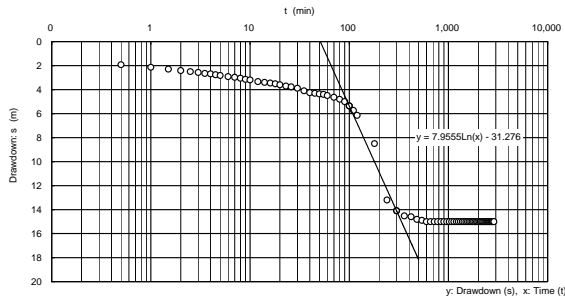
Transmissivity	Storage Coefficient	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$S = 2.25 T (t_0 / r^2)$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 4.0E-02 \text{ m}^3/\text{min}$	$t_0 = 4.59 \text{ min}$	$D = 25.0 \text{ m}$
$\Delta s' = 12.30 \text{ m}$	$r = 0.07 \text{ m}$	$k = \underline{4.0E-05} \text{ cm/sec}$
$T = \underline{6.0E-04} \text{ m}^2/\text{min}$	$S = \underline{1.3E+00}$	

Recovery Test: K-2



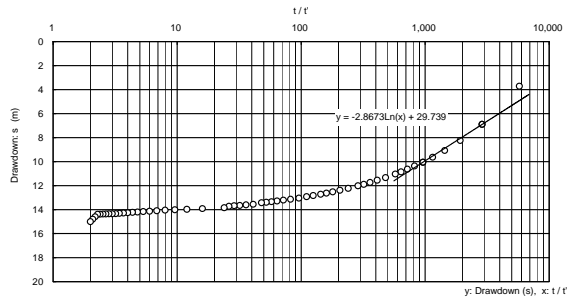
Transmissivity	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 4.0E-02 \text{ m}^3/\text{min}$	$D = 25.0 \text{ m}$
$\Delta s' = 13.11 \text{ m}$	$k = \underline{3.7E-05} \text{ cm/sec}$
$T = \underline{5.6E-04} \text{ m}^2/\text{min}$	

Constant Rate Test: K-3



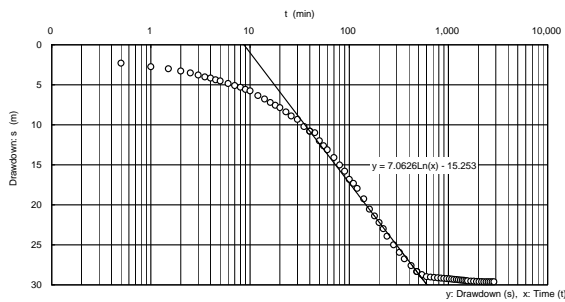
Transmissivity	Storage Coefficient	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$S = 2.25 T (t_0 / r^2)$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 2.5E-01 \text{ m}^3/\text{min}$	$t_0 = 50.98 \text{ min}$	$D = 25.0 \text{ m}$
$\Delta s' = 18.32 \text{ m}$	$r = 0.07 \text{ m}$	$k = \underline{1.7E-04} \text{ cm/sec}$
$T = \underline{2.5E-03} \text{ m}^2/\text{min}$	$S = \underline{5.8E+01}$	

Recovery Test: K-3



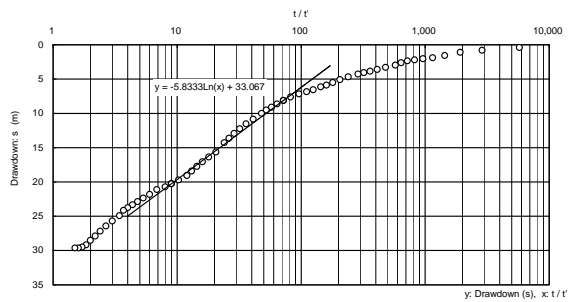
Transmissivity	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 2.5E-01 \text{ m}^3/\text{min}$	$D = 25.0 \text{ m}$
$\Delta s' = 6.60 \text{ m}$	$k = \underline{4.6E-04} \text{ cm/sec}$
$T = \underline{6.9E-03} \text{ m}^2/\text{min}$	

Constant Rate Test: N-1



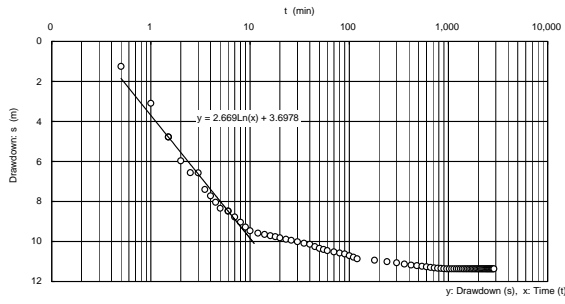
Transmissivity	Storage Coefficient	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$S = 2.25 T (t_0 / r^2)$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 9.0E-02 \text{ m}^3/\text{min}$	$t_0 = 8.67 \text{ min}$	$D = 30.0 \text{ m}$
$\Delta s' = 16.26 \text{ m}$	$r = 0.07 \text{ m}$	$k = \underline{5.6E-05} \text{ cm/sec}$
$T = \underline{1.0E-03} \text{ m}^2/\text{min}$	$S = \underline{4.0E+00}$	

Recovery Test: N-1



Transmissivity	Permeability Coefficient
$T = \frac{2.3 Q_p}{4 \pi \Delta s'}$	$k = \frac{100}{60} \left(\frac{T}{D} \right)$
$Q_p = 9.0E-02 \text{ m}^3/\text{min}$	$D = 30.0 \text{ m}$
$\Delta s' = 13.43 \text{ m}$	$k = \underline{6.8E-05} \text{ cm/sec}$
$T = \underline{1.2E-03} \text{ m}^2/\text{min}$	

Constant Rate Test: N-2

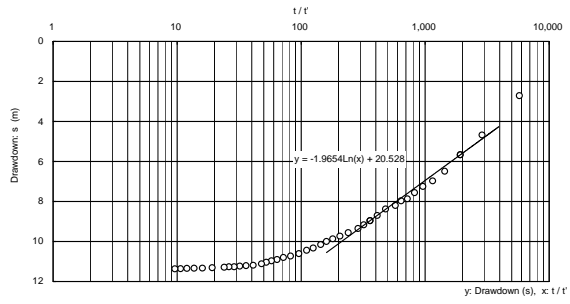


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 3.5E-02 \text{ m}^3/\text{min}$ $t_0 = 0.25 \text{ min}$ $D = 15.0 \text{ m}$
 $\Delta s' = 6.15 \text{ m}$ $r = 0.07 \text{ m}$ $k = 1.2E-04 \text{ cm/sec}$

$T = 1.0E-03 \text{ m}^2/\text{min}$ $S = 1.2E-01$

Recovery Test: N-2

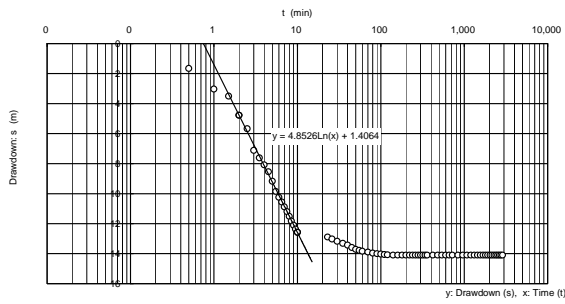


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 3.5E-02 \text{ m}^3/\text{min}$ $D = 15.0 \text{ m}$
 $\Delta s' = 4.53 \text{ m}$ $k = 1.6E-04 \text{ cm/sec}$

$T = 1.4E-03 \text{ m}^2/\text{min}$

Constant Rate Test: N-3

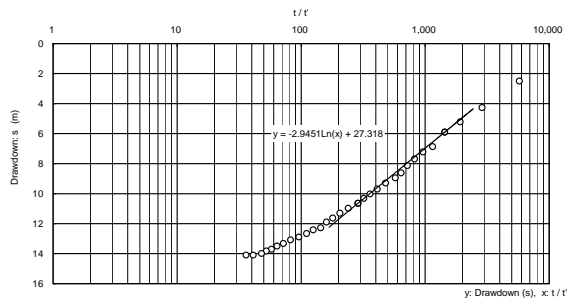


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 9.0E-02 \text{ m}^3/\text{min}$ $t_0 = 0.75 \text{ min}$ $D = 15.0 \text{ m}$
 $\Delta s' = 11.17 \text{ m}$ $r = 0.07 \text{ m}$ $k = 1.6E-04 \text{ cm/sec}$

$T = 1.5E-03 \text{ m}^2/\text{min}$ $S = 5.1E-01$

Recovery Test: N-3

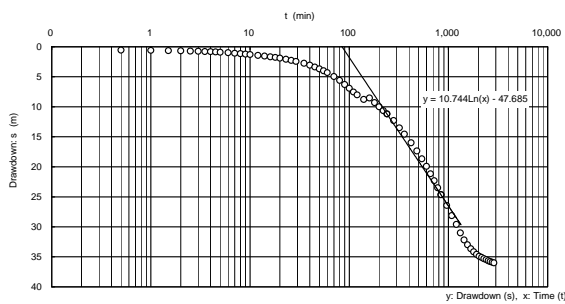


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 9.0E-02 \text{ m}^3/\text{min}$ $D = 15.0 \text{ m}$
 $\Delta s' = 6.78 \text{ m}$ $k = 2.7E-04 \text{ cm/sec}$

$T = 2.4E-03 \text{ m}^2/\text{min}$

Constant Rate Test: N-4

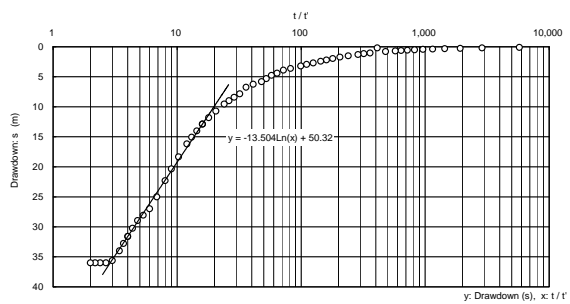


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 1.0E-03 \text{ m}^3/\text{min}$ $t_0 = 84.62 \text{ min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 24.74 \text{ m}$ $r = 0.07 \text{ m}$ $k = 6.2E-07 \text{ cm/sec}$

$T = 7.4E-06 \text{ m}^2/\text{min}$ $S = 2.9E-01$

Recovery Test: N-4

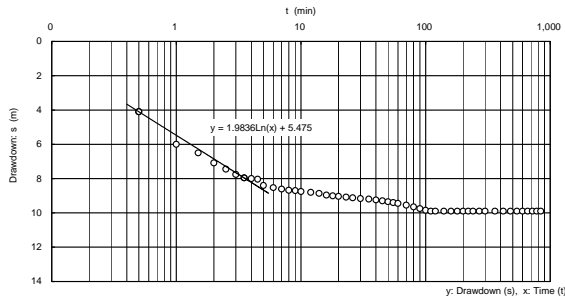


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 1.0E-03 \text{ m}^3/\text{min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 31.09 \text{ m}$ $k = 4.9E-07 \text{ cm/sec}$

$T = 5.9E-06 \text{ m}^2/\text{min}$

Constant Rate Test: N-5

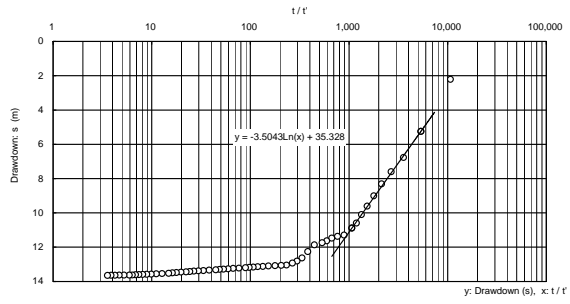


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 6.0E-02 \text{ m}^3/\text{min}$ $\Delta s' = 4.57 \text{ m}$ $T = 2.4E-03 \text{ m}^2/\text{min}$

Storage Coefficient $S = 2.25 T (t_0 / r^2)$ $t_0 = 0.06 \text{ min}$ $r = 0.07 \text{ m}$ $S = 7.0E-02$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 15.0 \text{ m}$ $k = 2.7E-04 \text{ cm/sec}$

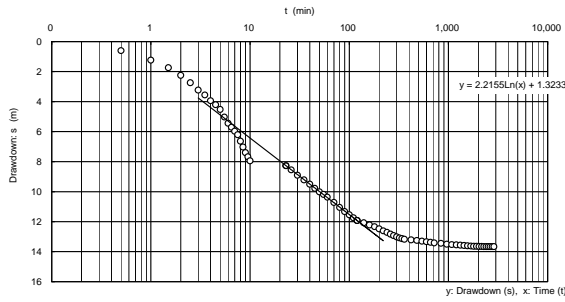
Recovery Test: N-5



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 6.0E-02 \text{ m}^3/\text{min}$ $\Delta s' = 8.07 \text{ m}$ $T = 1.4E-03 \text{ m}^2/\text{min}$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 15.0 \text{ m}$ $k = 1.5E-04 \text{ cm/sec}$

Constant Rate Test: N-6

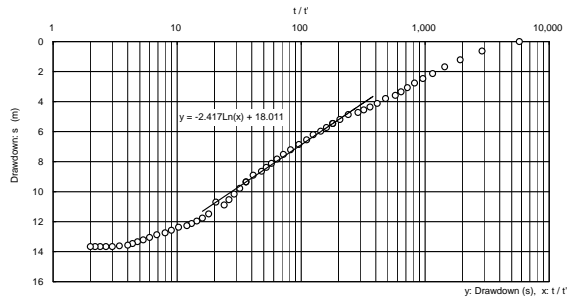


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 3.5E-02 \text{ m}^3/\text{min}$ $\Delta s' = 5.10 \text{ m}$ $T = 1.3E-03 \text{ m}^2/\text{min}$

Storage Coefficient $S = 2.25 T (t_0 / r^2)$ $t_0 = 0.55 \text{ min}$ $r = 0.07 \text{ m}$ $S = 3.2E-01$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 25.0 \text{ m}$ $k = 8.4E-05 \text{ cm/sec}$

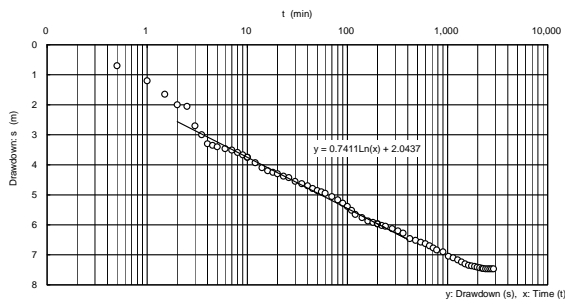
Recovery Test: N-6



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 3.5E-02 \text{ m}^3/\text{min}$ $\Delta s' = 5.57 \text{ m}$ $T = 1.2E-03 \text{ m}^2/\text{min}$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 25.0 \text{ m}$ $k = 7.7E-05 \text{ cm/sec}$

Constant Rate Test: B-1

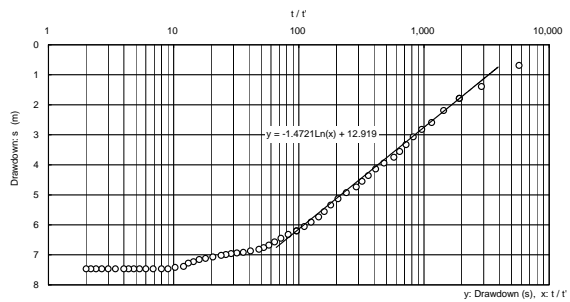


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 2.5E-02 \text{ m}^3/\text{min}$ $\Delta s' = 1.71 \text{ m}$ $T = 2.7E-03 \text{ m}^2/\text{min}$

Storage Coefficient $S = 2.25 T (t_0 / r^2)$ $t_0 = 0.06 \text{ min}$ $r = 0.07 \text{ m}$ $S = 7.8E-02$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 25.0 \text{ m}$ $k = 1.8E-04 \text{ cm/sec}$

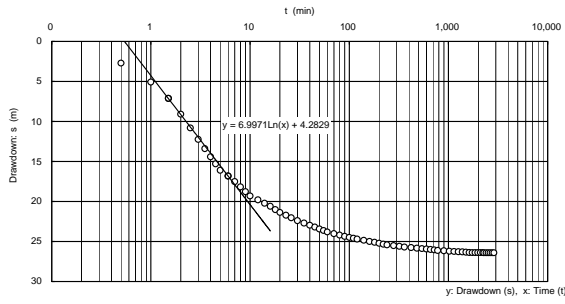
Recovery Test: B-1



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ $Q_p = 2.5E-02 \text{ m}^3/\text{min}$ $\Delta s' = 3.39 \text{ m}$ $T = 1.3E-03 \text{ m}^2/\text{min}$

Permeability Coefficient $k = \frac{100}{60} \left(\frac{T}{D} \right)$ $D = 25.0 \text{ m}$ $k = 9.0E-05 \text{ cm/sec}$

Constant Rate Test: B-2

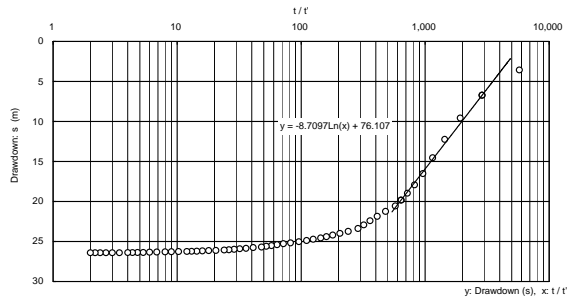


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 3.0E-02 \text{ m}^3/\text{min}$ $t_0 = 0.54 \text{ min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 16.11 \text{ m}$ $r = 0.07 \text{ m}$ $k = 2.8E-05 \text{ cm/sec}$

$T = 3.4E-04 \text{ m}^2/\text{min}$ $S = 8.5E-02$

Recovery Test: B-2

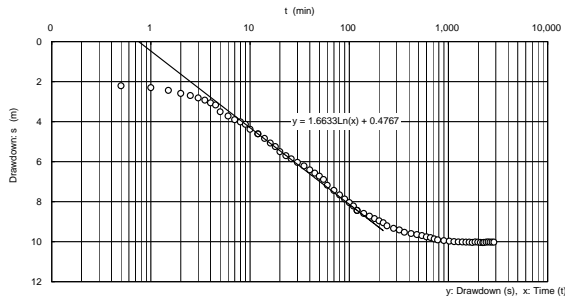


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 3.0E-02 \text{ m}^3/\text{min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 20.05 \text{ m}$ $k = 2.3E-05 \text{ cm/sec}$

$T = 2.7E-04 \text{ m}^2/\text{min}$

Constant Rate Test: B-3

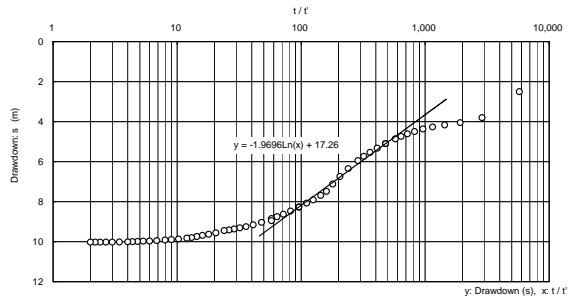


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 3.0E-03 \text{ m}^3/\text{min}$ $t_0 = 0.75 \text{ min}$ $D = 15.0 \text{ m}$
 $\Delta s' = 3.83 \text{ m}$ $r = 0.07 \text{ m}$ $k = 1.6E-05 \text{ cm/sec}$

$T = 1.4E-04 \text{ m}^2/\text{min}$ $S = 4.9E-02$

Recovery Test: B-3

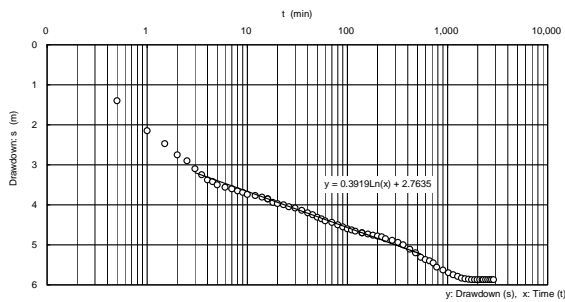


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 3.0E-03 \text{ m}^3/\text{min}$ $D = 15.0 \text{ m}$
 $\Delta s' = 4.54 \text{ m}$ $k = 1.3E-05 \text{ cm/sec}$

$T = 1.2E-04 \text{ m}^2/\text{min}$

Constant Rate Test: B-4

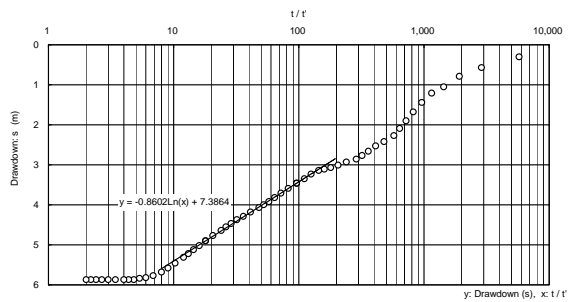


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 1.2E-02 \text{ m}^3/\text{min}$ $t_0 = 0.001 \text{ min}$ $D = 30.0 \text{ m}$
 $\Delta s' = 0.90 \text{ m}$ $r = 0.07 \text{ m}$ $k = 1.4E-04 \text{ cm/sec}$

$T = 2.4E-03 \text{ m}^2/\text{min}$ $S = 9.7E-04$

Recovery Test: B-4

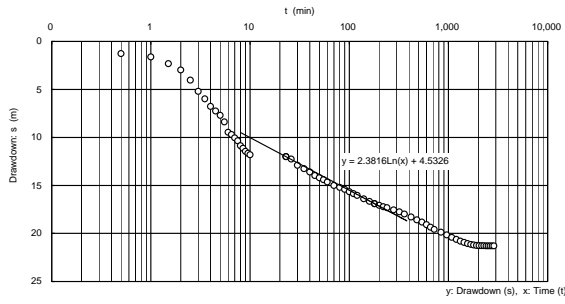


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 1.2E-02 \text{ m}^3/\text{min}$ $D = 30.0 \text{ m}$
 $\Delta s' = 1.98 \text{ m}$ $k = 6.2E-05 \text{ cm/sec}$

$T = 1.1E-03 \text{ m}^2/\text{min}$

Constant Rate Test: B-5

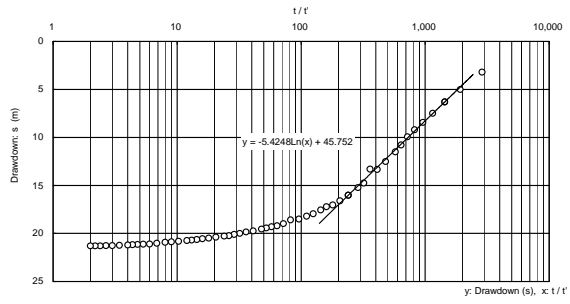


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 4.5E-02 \text{ m}^3/\text{min}$ $t_0 = 0.15 \text{ min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 5.48 \text{ m}$ $r = 0.07 \text{ m}$ $k = 1.3E-04 \text{ cm/sec}$

$T = 1.5E-03 \text{ m}^2/\text{min}$ $S = 1.0E-01$

Recovery Test: B-5

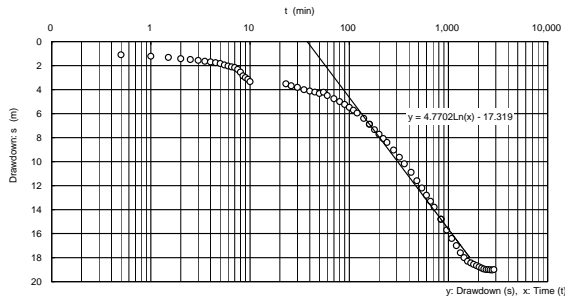


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 4.5E-02 \text{ m}^3/\text{min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 12.49 \text{ m}$ $k = 5.5E-05 \text{ cm/sec}$

$T = 6.6E-04 \text{ m}^2/\text{min}$

Constant Rate Test: B-6

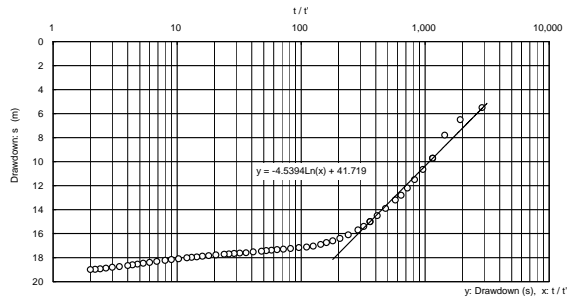


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 4.5E-02 \text{ m}^3/\text{min}$ $t_0 = 37.74 \text{ min}$ $D = 30.0 \text{ m}$
 $\Delta s' = 10.98 \text{ m}$ $r = 0.07 \text{ m}$ $k = 4.2E-05 \text{ cm/sec}$

$T = 7.5E-04 \text{ m}^2/\text{min}$ $S = 1.3E+01$

Recovery Test: B-6

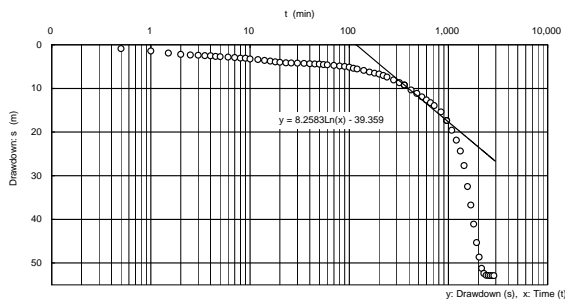


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 4.5E-02 \text{ m}^3/\text{min}$ $D = 30.0 \text{ m}$
 $\Delta s' = 10.45 \text{ m}$ $k = 4.4E-05 \text{ cm/sec}$

$T = 7.9E-04 \text{ m}^2/\text{min}$

Constant Rate Test: B-7

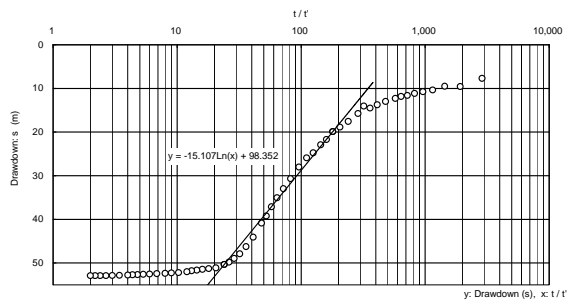


Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Storage Coefficient** $S = 2.25 T (t_0 / r^2)$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 4.8E-03 \text{ m}^3/\text{min}$ $t_0 = 117.45 \text{ min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 19.02 \text{ m}$ $r = 0.07 \text{ m}$ $k = 3.9E-06 \text{ cm/sec}$

$T = 4.6E-05 \text{ m}^2/\text{min}$ $S = 2.5E+00$

Recovery Test: B-7



Transmissivity $T = \frac{2.3 Q_p}{4 \pi \Delta s'}$ **Permeability Coefficient** $k = \frac{100}{60} \left(\frac{T}{D} \right)$

$Q_p = 4.8E-03 \text{ m}^3/\text{min}$ $D = 20.0 \text{ m}$
 $\Delta s' = 34.79 \text{ m}$ $k = 2.1E-06 \text{ cm/sec}$

$T = 2.5E-05 \text{ m}^2/\text{min}$

DATA 6

WATER QUALITY SURVEY

Nha Trang, February 1, 2008

RESULT OF WATER SAMPLE TEST

Client : **JICA Study Team of Tokyo Engineering Consultants Co. LTD**

Name of project : **THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES**

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 47,50

Place of sampling : Xuan Phuoc Commune, Dong Xuan District, Phu Yen Province

Date of sampling : January 25, 2008

Date of starting test : January 26, 2008

Date of finishing test : February 1, 2008

Location : **P - 1**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,37	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	<0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,16	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	17,73	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	5	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,408	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,193	0,5	TCVN 6002-1995
15	pH	-	7,49	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	2,00	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	60,01	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	136	1000	TCVN 6053-1995
19	Turbidity	NTU	4,05	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,018	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, February 1, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 36,00

Place of sampling : An Dinh Commune, Tuy An District, Phu Yen Province

Date of sampling : January 28, 2008

Date of starting test : January 28, 2008

Date of finishing test : February 1, 2008

Location : **P - 2**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	1,67	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	<0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,48	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	960,78	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	10	15	TCVN 6185-1996
11	Odour, taste	-	Saltish	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,152	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,158	0,5	TCVN 6002-1995
15	pH	-	8,05	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,60	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	150,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	2328	1000	TCVN 6053-1995
19	Turbidity	NTU	2,02	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,020	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,02	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, December 25, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 49,58

Place of sampling : An Tho Commune, Tuy An District, Phu Yen Province

Date of sampling : December 8, 2007

Date of starting test : December 10, 2007

Date of finishing test : December 20, 2007

Location : **P - 3**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,04	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	<0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	<0,01	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	138,27	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,207	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,012	0,5	TCVN 6002-1995
15	pH	-	7,51	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	5,20	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	265,04	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	642	1000	TCVN 6053-1995
19	Turbidity	NTU	0,50	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,170	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, February 1, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 13,26

Place of sampling : An My Commune, Tuy An District, Phu Yen Province

Date of sampling : January 20, 2008

Date of starting test : January 21, 2008

Date of finishing test : February 1, 2008

Location : **P - 4**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	0,002	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,11	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	<0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,01	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	42,54	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,125	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,073	0,5	TCVN 6002-1995
15	pH	-	7,68	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	2,00	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	215,03	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	264	1000	TCVN 6053-1995
19	Turbidity	NTU	1,22	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,098	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, January 7, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 23,00

Place of sampling : Son Phuoc Commune, Son Hoa District, Phu Yen Province

Date of sampling : December 23, 2007

Date of starting test : December 24, 2007

Date of finishing test : January 4, 2008

Location : **P - 5**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,006	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	2,48	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,01	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,03	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	21,27	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,066	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,158	0,5	TCVN 6002-1995
15	pH	-	7,98	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,60	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	80,01	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	392	1000	TCVN 6053-1995
19	Turbidity	NTU	2,35	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	1,002	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, February 1, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 42,00

Place of sampling : Ea cha Rang Commune, Son Hoa District, Phu Yen Province

Date of sampling : January 29, 2008

Date of starting test : January 29, 2008

Date of finishing test : February 1, 2008

Location : **P - 6**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,20	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,47	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,002	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	118,77	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	5	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	<0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,193	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,504	0,5	TCVN 6002-1995
15	pH	-	7,44	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,80	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	295,05	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	556	1000	TCVN 6053-1995
19	Turbidity	NTU	1,24	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,058	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, January 16, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 37,10

Place of sampling : Suoi Bac Commune, Son Hoa District, Phu Yen Province

Date of sampling : January 4, 2008

Date of starting test : January 5, 2008

Date of finishing test : January 14, 2008

Location : **P - 7**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	12,44	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,02	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,03	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	85,09	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,185	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,085	0,5	TCVN 6002-1995
15	pH	-	8,03	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,60	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	155,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	490	1000	TCVN 6053-1995
19	Turbidity	NTU	11,30	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,697	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,02	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996



Nha Trang, December 01, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 13,61
 Place of sampling : Son Thanh Dong Commune, Tay Hoa District, Phu Yen Province
 Date of sampling : November 26, 2007
 Date of starting test : November 27, 2007
 Date of finishing test : November 30, 2007
 Location : P - 8

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	0,001	0,07	TCVN 6181-1996
3	Fluoride	mg/l	0,62	0,7 + 1,5	TCVN 4568-1988
4	Lead	mg/l	0,002	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	2,57	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl)	mg/l	10,64	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	0,003	1,0	TCVN 4572-1988
13	Iron	mg/l	0,012	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,083	0,5	TCVN 6002-1995
15	pH	-	7,15	6,0 + 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,60	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	88,01	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	156	1000	TCVN 6053-1995
19	Turbidity	NTU	1,16	5	TCVN 6184-1996
20	Zinc	mg/l	0,141	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, November 30, 2007

RESULT OF MICROBIOLOGICAL TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co.,LTD.
Sampled by : Nguyen Van Phu.
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from 13.61m borehole's depth.
Place of sampling : P-8, Commune Son Thanh Dong, District Tay Hoa,
Province PHU YEN.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 08:45, 26/11/2007.
Date of receiving sample : 14:30, 26/11/2007.
Date of starting test : 17:30, 26/11/2007.
Date of finishing test : 16:30, 30/11/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of
the Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	16,8 x 10 ³	< 2,2
Thermotolerant coliforms	CFU /100ml	4,25 x 10 ³	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality.



DIRECTOR

Bùi Trọng Chiến

CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBILITY FOR LAB

Lê Hồng Hạnh

Nha Trang, February 1, 2008

RESULT OF WATER SAMPLE TEST

Client : **JICA Study Team of Tokyo Engineering Consultants Co. LTD**

Name of project : **THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES**

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 11,36

Place of sampling : Cam An Bac Commune, Cam Lam District, Khanh Hoa Province

Date of sampling : January 23, 2008

Date of starting test : January 23, 2008

Date of finishing test : February 1, 2008

Location : **K - 1**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,48	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,01	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	49,63	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,714	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,585	0,5	TCVN 6002-1995
15	pH	-	7,29	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,60	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	232,54	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	394	1000	TCVN 6053-1995
19	Turbidity	NTU	2,36	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,062	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, January 16, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 31,87

Place of sampling : Cam Hiep Nam Commune, Cam Lam District, Khanh Hoa Province

Date of sampling : January 2, 2008

Date of starting test : January 4, 2008

Date of finishing test : January 14, 2008

Location : **K - 2**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,002	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,16	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,002	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,02	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,03	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	95,72	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	20	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	1,075	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,265	0,5	TCVN 6002-1995
15	pH	-	6,45	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,20	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	45,01	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	232	1000	TCVN 6053-1995
19	Turbidity	NTU	8,14	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	6,115	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,03	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996



Nha Trang, November 21, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 44,00
 Place of sampling : Cam Hai Tay Commune, Cam Lam District, Khanh Hoa Province
 Date of sampling : November 07, 2007
 Date of starting test : November 08, 2007
 Date of finishing test : November 19, 2007
 Location : K - 3

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QD (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride	mg/l	1,05	0,7 + 1,5	TCVN 4568-1988
4	Lead	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	<0,01	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	86,86	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron	mg/l	0,215	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,492	0,5	TCVN 6002-1995
15	pH	-	7,34	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,2	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	200,03	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	411	1000	TCVN 6053-1995
19	Turbidity	NTU	0,06	5	TCVN 6184-1996
20	Zinc	mg/l	0,095	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, November 09, 2007

RESULT OF MICROBIOLOGICAL TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co.LTD
Sampled by : LÊ Thanh Hải.
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from borehole, 44m depth,
Place of sampling : K- 3, Commune Cam Hai Tay, District Cam Lam,
Province KHANH HOA.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 12:00, 07/11/2007.
Date of receiving sample : 15:15, 08/11/2007.
Date of starting test : 15:30, 08/11/2007.
Date of finishing test : 08:00, 12/11/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of the
Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	8×10^3	< 2.2
Thermotolerant coliforms	CFU /100ml	$2,3 \times 10^3$	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality



Nguyễn Thị Thanh Quế

CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBLE FOR LAB

Lê Hồng Hạnh

Nha Trang, January 7, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 33,62

Place of sampling : Nhon Hai Commune, Ninh Hai District, Ninh Thuan Province

Date of sampling : December 16, 2007

Date of starting test : December 18, 2007

Date of finishing test : January 4, 2008

Location : **N - 1**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	1,05	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	1,62	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,19	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	510,52	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,012	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,515	0,5	TCVN 6002-1995
15	pH	-	7,34	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,30	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	370,06	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	1258	1000	TCVN 6053-1995
19	Turbidity	NTU	1,02	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,331	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,03	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996



Nha Trang, November 21, 2007

RESULT OF WATER SAMPLE TEST .

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES
 OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 72,12
 Place of sampling : Cong Hai Commune, Thuan Bac District, Ninh Thuan Province
 Date of sampling : October 18, 2007
 Date of starting test : October 22, 2007
 Date of finishing test : October 29, 2007
 Location : N - 2

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002:BYT/QD (mg/l)	Testing Method
1	Arsenic	mg/l	0,006	0,01	TCVN 6182-1996
2	Cyanide	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride	mg/l	0,99	0,7 - 1,5	TCVN 4568-1988
4	Lead	mg/l	0,003	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	0,02	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	180,81	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	<0,001	1,0	TCVN 4572-1988
13	Iron	mg/l	0,112	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,094	0,5	TCVN 6002-1995
15	pH	-	7,40	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	2,0	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	105,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	642	1000	TCVN 6053-1995
19	Turbidity	NTU	1,02	5	TCVN 6184-1996
20	Zinc	mg/l	0,003	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, October 23, 2007

RESULT OF MICROBIOLOGICAL TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co.LTD
Sampled by : Mr. Nguyễn Văn Trinh, Mobilephone: 0975 523 277.
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from borehole, 72,12 m depth.
Place of sampling : N-2, Commune Cong Hai, District Thuan Bac,
Province NINH THUAN.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 10: 00, 18/10/2007.
Date of receiving sample : 13:45, /10/2007.
Date of starting test : 16:00, 21/10/2007.
Date of finishing test : 15:00, 23/10/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of
the Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	8×10^5	2,2
Thermotolerant coliforms	CFU /100ml	$1,15 \times 10^4$	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality.



CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBLE FOR LAB

Lê Hồng Hạnh

Nha Trang, December 27, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 16,60

Place of sampling : Bac Son Commune, Thuan Bac District, Ninh Thuan Province

Date of sampling : December 3, 2007

Date of starting test : December 4, 2007

Date of finishing test : December 20, 2007

Location : **N - 3**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	0,003	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,003	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,07	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,85	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,02	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	2339,90	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Salty	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,002	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	1,953	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	1,046	0,5	TCVN 6002-1995
15	pH	-	6,75	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	2,00	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	2080,33	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	3802	1000	TCVN 6053-1995
19	Turbidity	NTU	0,40	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,012	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, December 27, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 40,00

Place of sampling : Phuoc Minh Commune, Ninh Phuoc District, Ninh Thuan Province

Date of sampling : December 1, 2007

Date of starting test : December 3, 2007

Date of finishing test : December 20, 2007

Location : **N - 4**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	0,002	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,004	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	1,59	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	<0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,66	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	0,02	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	703,74	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	10	15	TCVN 6185-1996
11	Odour, taste	-	Saltish	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,021	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,025	0,5	TCVN 6002-1995
15	pH	-	7,98	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	2,40	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	270,04	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	1766	1000	TCVN 6053-1995
19	Turbidity	NTU	1,00	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,017	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996



Nha Trang, November 21, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES
 OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 43,00
 Place of sampling : Phuoc Hai Commune, Ninh Phuoc District, Ninh Thuan Province
 Date of sampling : October 27, 2007
 Date of starting test : October 29, 2007
 Date of finishing test : November 9, 2007
 Location : N - 5

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QD (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	0,002	0,07	TCVN 6181-1996
3	Fluoride	mg/l	0,03	0,7 ÷ 1,5	TCVN 4568-1988
4	Lead	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	0,35	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	19180,1	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	10	15	TCVN 6185-1996
11	Odour, taste	-	Salty	Non	TCVN 2653-1978
12	Copper	mg/l	<0,001	1,0	TCVN 4572-1988
13	Iron	mg/l	0,236	0,5	TCVN 6177-1996
14	Manganese	mg/l	3,107	0,5	TCVN 6002-1995
15	pH	-	7,05	6,0 ÷ 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	45,6	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	8101,30	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	32402	1000	TCVN 6053-1995
19	Turbidity	NTU	0,30	5	TCVN 6184-1996
20	Zinc	mg/l	0,028	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, November 22, 2007

RESULT OF MICROBIOLOGICAL TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co.LTD
Sampled by : Nguyễn Văn Phú.
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from borehole, 75 m depth,
Place of sampling : N-5, Commune Phước Hải, District Ninh Phước,
Province NINH THUAN.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 07:00, 27/10/2007.
Date of receiving sample : 16:00, 29/10/2007.
Date of starting test : 16:00, 06/11/2007.
Date of finishing test : 15:00, 22/11/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of the
Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	35×10^4	< 2,2
Thermotolerant coliforms	CFU /100ml	17	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality.



Nguyễn Thị Thanh Quốc

CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBLE FOR LAB

Lê Hồng Hạnh



Nha Trang, December 01, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES
 OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 20,47
 Place of sampling : Phuoc Dinh Commune, Ninh Phuoc District, Ninh Thuan Province
 Date of sampling : November 24, 2007
 Date of starting test : November 25, 2007
 Date of finishing test : November 30, 2007
 Location : N - 6

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QD (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	<0,001	0,07	TCVN 6181-1996
3	Fluoride	mg/l	2,23	0,7 ÷ 1,5	TCVN 4568-1988
4	Lead	mg/l	0,002	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ , by N Composition)	mg/l	7,74	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ , by N Composition)	mg/l	0,02	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₃ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl)	mg/l	340,02	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron	mg/l	0,253	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,109	0,5	TCVN 6002-1995
15	pH	-	7,60	6,0 ÷ 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	7,50	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	155,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	862	1000	TCVN 6053-1995
19	Turbidity	NTU	1,42	5	TCVN 6184-1996
20	Zinc	mg/l	0,003	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,02	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, November 28, 2007

RESULT OF MICROBIOLOGICAL TEST

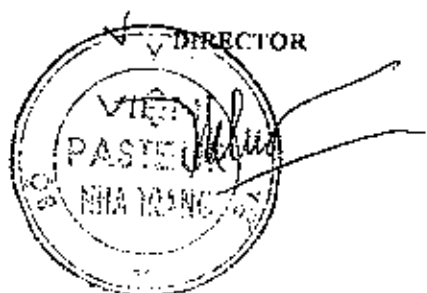
Client : **JICA Study Team of Tokyo Engineering Consultants Co.,LTD.**
 Sampled by : **Le Ngoc Toan.**
 Bottle for sampling : **Sterilized bottle, supplied by Nha Trang Pasteur Institute.**
 Description of sample : **Groundwater from 20. 47 m sample's depth. (100 m boreholes depth).**
 Place of sampling : **N-6, Commune Phuoc Dinh, District Ninh Phuoc, Province NINH THUAN.**
 Transportation of sampling : **Ice-box.**
 Sample storage in Laboratory : **Refrigerator at 3°C.**
 Date of sampling : **09:45, 24/11/2007.**
 Date of receiving sample : **09:00, 26/11/2007.**
 Date of starting test : **11:00, 26/11/2007.**
 Date of finishing test : **08:00, 28/11/2007.**
 Testing methods : **ISO 9308 /1 - 1990.**
 Name of Project : **The Study on Groundwater Development in the Rural Provinces of the Southern Coastal Zone in the Socialist Republic of Vietnam.**

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	9×10^6	< 2,2
Thermotolerant coliforms	CFU /100ml	2×10^4	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality.



Nguyễn Thị Thanh Quế

CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBLE FOR LAB

Lê Hồng Hạnh

Nha Trang, January 16, 2008

RESULT OF WATER SAMPLE TEST

Client : **JICA Study Team of Tokyo Engineering Consultants Co. LTD**

Name of project : **THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES**

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 50,00

Place of sampling : Muong Man Commune, Ham Thuan Nam District, Binh Thuan Province

Date of sampling : December 31, 2007

Date of starting test : January 2, 2008

Date of finishing test : January 14, 2008

Location : **B - 1**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,40	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,03	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	131,18	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,258	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,379	0,5	TCVN 6002-1995
15	pH	-	7,11	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,20	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	295,05	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	626	1000	TCVN 6053-1995
19	Turbidity	NTU	1,22	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,015	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, January 7, 2008

RESULT OF WATER SAMPLE TEST

Client : **JICA Study Team of Tokyo Engineering Consultants Co. LTD**

Name of project : **THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES**

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 28,05

Place of sampling : Gia Huynh Commune, Tanh Linh District, Binh Thuan Province

Date of sampling : December 19, 2007

Date of starting test : December 20, 2007

Date of finishing test : January 4, 2008

Location : **B - 2**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,002	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,05	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	<0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,02	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	14,18	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,225	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,338	0,5	TCVN 6002-1995
15	pH	-	7,29	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	0,40	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	140,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	224	1000	TCVN 6053-1995
19	Turbidity	NTU	4,03	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,035	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,02	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, January 7, 2008

RESULT OF WATER SAMPLE TEST

Client : **JICA Study Team of Tokyo Engineering Consultants Co. LTD**

Name of project : **THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES**

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 63,00

Place of sampling : Nghi Duc Commune, Tanh Linh District, Binh Thuan Province

Date of sampling : December 19, 2007

Date of starting test : December 21, 2007

Date of finishing test : January 4, 2008

Location : **B - 3**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,001	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,48	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,001	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,03	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	14,18	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	5	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,010	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,162	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,322	0,5	TCVN 6002-1995
15	pH	-	7,55	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	0,80	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	155,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	260	1000	TCVN 6053-1995
19	Turbidity	NTU	9,87	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,004	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,03	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, January 7, 2008

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD

Name of project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES

OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM

Description of sample : Groundwater

Depth of sampling (m) : 46,00

Place of sampling : Tan Duc Commune, Ham Tan District, Binh Thuan Province

Date of sampling : December 24, 2007

Date of starting test : December 25, 2007

Date of finishing test : January 4, 2008

Location : **B - 4**

No.	Parameter	Unit	Amount	Allowable Limit by TCNV 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic (As)	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide (CN ⁻)	mg/l	0,004	0,07	TCVN 6181-1996
3	Fluoride (F)	mg/l	0,46	0,7 - 1,5	TCVN 4568-1988
4	Lead (Pb)	mg/l	0,010	0,01	TCVN 4573-1988
5	Nitrate Ion (NO ₃ ⁻ , by N composition)	mg/l	0,02	10,0	TCVN 6180-1996
6	Nitrite Ion (NO ₂ ⁻ , by N composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	99,27	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	non	TCVN 2653-1978
12	Copper (Cu)	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron (Fe)	mg/l	0,081	0,5	TCVN 6177-1996
14	Manganese (Mn)	mg/l	0,393	0,5	TCVN 6002-1995
15	pH	-	7,25	6,0 - 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	2,00	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	365,06	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	528	1000	TCVN 6053-1995
19	Turbidity	NTU	2,02	5	TCVN 6184-1996
20	Zinc (Zn)	mg/l	0,024	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,02	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996



Nha Trang, December 01, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES
 OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 23,19
 Place of sampling : Mc Pu Commune, Duc Linh District, Binh Thuan Province
 Date of sampling : November 20, 2007
 Date of starting test : November 21, 2007
 Date of finishing test : November 30, 2007
 Location : B - 5

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QD (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	0,003	0,07	TCVN 6181-1996
3	Fluoride	mg/l	<0,01	0,7 + 1,5	TCVN 4568-1988
4	Lead	mg/l	0,002	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	<0,01	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	8,86	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	0,001	1,0	TCVN 4572-1988
13	Iron	mg/l	0,160	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,195	0,5	TCVN 6002-1995
15	pH	-	7,24	6,0 + 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,20	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	110,02	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	212	1000	TCVN 6053-1995
19	Turbidity	NTU	1,87	5	TCVN 6184-1996
20	Zinc	mg/l	0,030	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, November 26, 2007

RESULT OF MICROBIOLOGICAL TEST

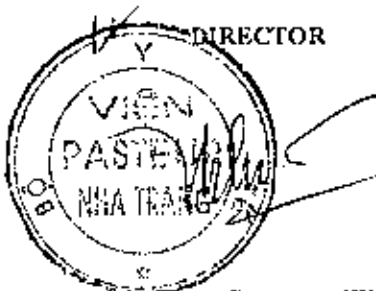
Client : JICA Study Team of Tokyo Engineering Consultants Co.LTD
Sampled by : Pham Cong Ha.
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from borehole, 23,19 m depth,
Place of sampling : B-5, Commune Mepu, District Duc Linh,
Province BINH THUAN.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 20/11/2007.
Date of receiving sample : 14:40, 20/11/2007.
Date of starting test : 16:40, 20/11/2007.
Date of finishing test : 10:30, 26/11/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of
the Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	11×10^4	< 2,2
Thermotolerant coliforms	CFU /100ml	24×10^2	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality



Nguyễn Thị Thanh Quế

DIRECTOR

CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBLE FOR LAB

Lê Hồng Hạnh



Nha Trang, November 21, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES
 OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 17,00
 Place of sampling : Sung Nhon Commune, Duc Linh District, Binh Thuan Province
 Date of sampling : October 29, 2007
 Date of starting test : October 31, 2007
 Date of finishing test : November 9, 2007
 Location : B - 6

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	0,001	0,07	TCVN 6181-1996
3	Fluoride	mg/l	<0,01	0,7 ÷ 1,5	TCVN 4568-1988
4	Lead	mg/l	0,002	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	0,02	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	31,91	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	8	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	<0,001	1,0	TCVN 4572-1988
13	Iron	mg/l	0,265	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,181	0,5	TCVN 6002-1995
15	pH	-	7,12	6,0 ÷ 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	0,8	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	45,01	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	134	1000	TCVN 6053-1995
19	Turbidity	NTU	1,95	5	TCVN 6184-1996
20	Zinc	mg/l	0,020	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	<0,01	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

N^o: 51/10-2007/IPN/ VSMT

Nha Trang, November 09, 2007

RESULT OF MICROBIOLOGICAL TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co.LTD
Sampled by : Mr. Hà
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from borehole, 17 m depth,
Place of sampling : B-6, Commune Sung Nhon, District Đức Linh,
Province BÌNH THUAN.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 29/10/2007.
Date of receiving sample : 16:25, 29/10/2007.
Date of starting test : 10:00, 31/10- 6/11/2007.
Date of finishing test : 08:00, 09/11/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of
the Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	200	2,2
Thermotolerant coliforms	CFU /100ml	60	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality



CHIEF OF THE DEPARTMENT

Dương Trọng Phi

RESPONSIBLE FOR LAB

Lê Hồng Hạnh



Nha Trang, November 21, 2007

RESULT OF WATER SAMPLE TEST

Client : JICA Study Team of Tokyo Engineering Consultants Co. LTD
 Name of Project : THE STUDY ON GROUNDWATER DEVELOPMENT IN THE RURAL PROVINCES
 OF THE SOUTHERN COASTAL ZONE IN THE SOCIALIST REPUBLIC OF VIETNAM
 Description of sample : Groundwater - Depth of sampling (m) : 58,40
 Place of sampling : Da Kai Communc, Duc Linh District, Binh Thuan Province
 Date of sampling : October 22, 2007
 Date of starting test : October 23, 2007
 Date of finishing test : October 29, 2007
 Location : B - 7

No	Parameter	Unit	Amount	Allowable Limit by TCVN 5502-2003 & 1329/2002/BYT/QĐ (mg/l)	Testing Method
1	Arsenic	mg/l	<0,001	0,01	TCVN 6182-1996
2	Cyanide	mg/l	0,005	0,07	TCVN 6181-1996
3	Fluoride	mg/l	<0,01	0,7 + 1,5	TCVN 4568-1988
4	Lead	mg/l	0,004	0,01	TCVN 4573-1988
5	Nitrate (NO ₃ ⁻ , by N Composition)	mg/l	0,72	10,0	TCVN 6180-1996
6	Nitrite (NO ₂ ⁻ , by N Composition)	mg/l	<0,01	1,0	TCVN 6178-1996
7	Total Mercury (Hg)	mg/l	<0,001	0,001	TCVN 4580-1988
8	Ammonia (NH ₄ ⁺ , by N Composition)	mg/l	<0,01	3,0	TCVN 5988-1995
9	Chloride Ion (Cl ⁻)	mg/l	10,64	250	TCVN 6194-1996
10	Color	mg/l Pt-Co	0	15	TCVN 6185-1996
11	Odour, taste	-	Non	Non	TCVN 2653-1978
12	Copper	mg/l	<0,001	1,0	TCVN 4572-1988
13	Iron	mg/l	0,098	0,5	TCVN 6177-1996
14	Manganese	mg/l	0,290	0,5	TCVN 6002-1995
15	pH	-	6,65	6,0 + 8,5	TCVN 6492-1996
16	Level of oxygenization KMnO ₄	mg/l	1,2	2,0	TCVN 4565-1988
17	Hardness (by CaCO ₃ Composition)	mg/l	80,01	300	TCVN 6224-1996
18	Total dissolved solid (TDS)	mg/l	156	1000	TCVN 6053-1995
19	Turbidity	NTU	6,72	5	TCVN 6184-1996
20	Zinc	mg/l	0,006	3,0	TCVN 4575-1988
21	Hydrogen sulphide	mg/l	0,02	0,05	TCVN 4567-1988
22	Phenol	mg/l	<0,001	0,01	TCVN 6216-1996

Nha Trang, November 08, 2007

RESULT OF MICROBIOLOGICAL TEST

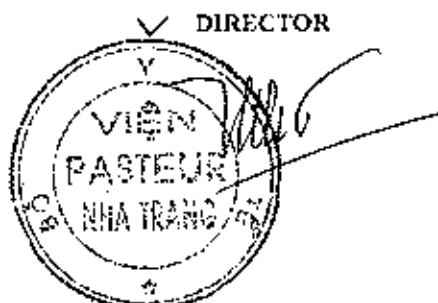
Client : JICA Study Team of Tokyo Engineering Consultants Co.LTD
Sampled by : Mr. Hà
Bottle for sampling : Sterilized bottle, supplied by Nha Trang Pasteur Institute.
Description of sample : Groundwater from borehole, 17 m depth,
Place of sampling : B- 7, Commune Da Kai, District Đức Linh,
Province BÌNH THUẬN.
Transportation of sampling : Ice-box.
Sample storage in Laboratory : Refrigerator at 3°C.
Date of sampling : 10:00, 22/10/2007.
Date of receiving sample : 16:25, 23/10/2007.
Date of starting test : 10:00, 24/10/2007.
Date of finishing test : 08:00, 08/11/2007.
Testing methods : ISO 9308 /1 - 1990.
Name of Project : The Study on Groundwater Development in the Rural Provinces of
the Southern Coastal Zone in the Socialist Republic of Vietnam.

PARAMETERS		RESULTS	LIMITS TCVN 5502: 2003
Total coliforms	CFU /100ml	138 x 10 ⁴	2,2
Thermotolerant coliforms	CFU /100ml	460	0

- CFU: Colony Forming Unit
- TCVN : Vietnamese Standard.

CONCLUSION :

The Water Quality does not meet the Standard Values of TCVN 5502-2003 for Water Quality.



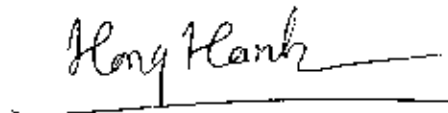
Nguyễn Thị Thanh Quốc

CHIEF OF THE DEPARTMENT



Dương Trọng Phi

RESPONSIBLE FOR LAB



Lê Hồng Hạnh

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commun	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO3)mg/l	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
P1-01	Phu Yen	Xuan Phuoc	109.06468	13.29807	24.1	2007/9/18	29.9	49.6	0.020	6.9	34.1	8.5	1.8	120.0	45.8	49.6	19.1	<0.01	195.3	0.0	3.1*10 ⁴	Dugwell
						2007/12/13	26.0	52.6	0.030	7.8	48.1	10.9	3.1	165.0	35.0	42.5	6.4	0.01	228.8	0.0	1.5*10 ⁴	
						Av.	28.0	51.1	0.025	7.4	41.1	9.7	2.5	142.5	40.4	46.1	12.7	0.01	212.0	0.0		
P1-TW	Phu Yen	Xuan Phuoc	109.04726	13.30599	17.2	2008/3/16	27.2	17.9	0.010	7.5	12.0	1.2	2.1	35.0	14.2	14.2	1.4	<0.01	61.0	0.0	10*10 ³	Drilled Well
						2008/6/26	28.8	13.7	0.010	7.6	12.0	2.4	1.4	40.0	18.0	14.2	1.6	<0.01	64.1	0.0		
						2008/9/11	28.6	15.7	0.010	7.5	12.0	3.7	4.0	45.0	16.9	17.7	4.7	<0.01	67.1	0.0		
						Av.	28.2	15.8	0.010	7.5	12.0	2.4	3.0	40.0	15.5	16.0	3.1	<0.01	64.1	0.0		
P1-02	Phu Yen	Xuan Phuoc	109.06242	13.30003	21.0	2007/9/18	29.2	18.5	0.010	6.2	16.0	6.1	1.4	65.0	12.5	17.7	(1.00	<0.01	88.5	0.0	1.35*10 ⁴	Dugwell
						2007/12/13	26.9	44.2	0.020	7.8	36.1	10.9	2.1	135.0	19.1	63.8	14.4	<0.01	100.7	0.0	6.0*10 ⁴	
						2008/3/16	26.9	25.7	0.010	6.4	24.1	7.3	2.5	90.0	19.1	23.0	16.9	<0.01	109.8	0.0	0.56*10 ⁴	
						2008/6/26	28.7	14.3	0.010	6.7	12.0	3.7	2.9	45.0	11.7	14.2	2.5	<0.01	67.1	0.0		
						2008/9/11	29.3	12.6	0.010	6.7	12.0	3.7	1.6	45.0	10.6	12.4	4.4	<0.01	64.1	0.0		
Av.	28.2	23.1	0.012	6.7	14.0	4.9	1.5	55.0	11.5	15.1	2.2	<0.01	76.3	0.0								
P1-03	Phu Yen	Xuan Phuoc	109.06695	13.29937	19.6	2007/9/18	27.9	101.7	0.050	7.2	40.1	18.2	1.8	175.0	128.1	124.1	12.8	<0.01	360.0	0.0	0.045*10 ⁴	Drilled Well
						2007/12/13	29.2	98.6	0.050	7.8	42.1	17.0	2.3	175.0	129.8	120.5	20.8	<0.01	338.6	0.0	1.0*10 ⁴	
						2008/3/16	27.5	99.1	0.050	7.5	38.1	19.5	3.1	175.0	128.7	120.5	21.0	<0.01	341.7	0.0	0.25*10 ⁴	
						2008/6/26	31.4	97.0	0.050	7.6	42.1	17.0	3.1	175.0	124.8	109.9	30.5	<0.01	341.7	0.0		
						2008/9/11	28.9	95.1	0.050	7.8	40.1	19.5	1.8	180.0	122.0	109.9	19.8	<0.01	344.8	0.0		
Av.	29.0	98.3	0.050	7.6	40.1	18.8	1.8	177.5	125.1	117.0	16.3	<0.01	352.4	0.0								
P2-01	Phu Yen	An Dinh	109.17555	13.30655	9.5	2007/9/18	28.5	16.5	0.010	6.7	14.0	4.9	2.5	55.0	11.4	16.0	2.1	<0.01	82.4	0.0	1.5*10 ⁴	River
						2007/12/13	28.4	20.0	0.010	7.8	16.0	7.3	1.2	70.0	8.9	17.7	<1.00	<0.01	91.5	0.0	5.2*10 ⁴	
						2008/3/16	26.7	15.1	0.010	7.4	16.0	4.9	5.2	60.0	10.8	14.2	2.1	<0.01	82.4	0.0	2.5*10 ³	
						2008/6/26	29.8	12.9	0.010	7.8	12.0	6.1	3.1	55.0	7.7	12.4	1.8	0.05	70.2	0.0		
						2008/9/11	31.2	14.3	0.010	7.8	14.0	6.1	2.3	60.0	7.3	14.2	3.3	<0.01	73.2	0.0		
Av.	28.9	15.7	0.010	7.5	14.0	5.5	2.4	57.5	9.3	15.1	2.7	0.00	77.8	0.0								
P2-02	Phu Yen	An Dinh	109.18502	13.31715	8.4	2007/9/18	27.4	48.6	0.020	6.3	52.1	7.3	5.0	160.0	32.7	55.0	6.1	<0.01	207.5	0.0	2.45*10 ⁴	Dugwell
						2007/12/13	28.0	40.3	0.020	7.7	42.1	9.7	2.5	145.0	27.2	35.5	32.2	<0.01	155.6	0.0	2.0*10 ⁴	
						2008/3/16	25.8	45.5	0.020	6.7	48.1	13.4	2.5	175.0	30.0	42.5	35.3	0.01	189.2	0.0	11*10 ³	
						2008/6/26	28.3	52.3	0.030	7.1	72.1	4.9	2.1	200.0	25.0	47.9	9.4	<0.01	228.8	0.0		
						2008/9/11	28.7	53.5	0.030	7.2	48.1	18.2	5.0	195.0	30.5	53.2	12.8	<0.01	231.9	0.0		
Av.	27.6	48.0	0.024	7.0	50.1	12.8	5.0	177.5	31.6	54.1	9.4	0.0	219.7	0.0								
P2-03	Phu Yen	An Dinh	109.18360	13.30678	19.9	2007/9/18	27.4	68.0	0.030	5.2	24.1	12.2	22.8	110.0	59.9	117.0	12.1	0.01	18.3	0.0	12.25*10 ⁴	Dugwell
						2007/12/13	28.3	21.6	0.010	7.8	12.0	3.7	12.1	45.0	15.5	31.9	2.1	<0.01	51.9	0.0	10.0*10 ⁴	
						2008/3/16	26.8	49.8	0.020	6.3	22.0	8.5	21.2	90.0	48.3	85.1	64.1	0.01	24.4	0.0	11.6*10 ⁴	
						2008/6/26	27.4	46.6	0.020	5.9	20.0	8.5	20.4	85.0	43.3	76.2	75.1	0.01	27.5	0.0		
						2008/9/11	27.5	44.4	0.020	6.0	20.0	6.1	21.8	75.0	28.9	78.0	18.5	0.01	36.6	0.0		
Av.	27.5	46.4	0.021	6.4	19.6	7.8	19.7	81.0	39.2	77.6	34.4	0.01	31.7	0.0								
P2-TW	Phu Yen	An Dinh	109.18602	13.31728	9.0	2008/3/16	27.7	402.0	0.210	8.8	16.0	15.8	22.5	105.0	815.8	836.7	156.5	<0.01	567.5	93.1	55*10 ³	Drilled Well
						2008/6/26	29.4	392.0	0.210	9.0	20.0	7.3	27.8	80.0	804.5	822.5	162.5	0.31	698.6	39.0		
						2008/9/11	29.9	395.0	0.200	9.0	20.0	6.1	27.3	75.0	798.6	801.2	156.5	0.18	695.6	18.0		
						Av.	29.0	396.3	0.207	8.9	18.7	9.7	25.9	86.7	806.3	820.1	158.5	0.25	653.9	50.0		
P2-04	Phu Yen	An Dinh	109.18378	13.30800	11.9	2007/9/17	27.8	25.8	0.010	5.1	10.0	6.1	10.0	50.0	21.6	53.2	3.3	0.02	18.3	0.0	2.5*10 ³	Dugwell
						2007/12/13	28.3	24.2	0.010	7.8	32.1	4.9	16.5	100.0	32.2	63.8	16.2	<0.01	94.6	0.0	1.4*10 ⁴	
						Av.	28.1	25.0	0.010	6.4	21.0	5.5	13.3	75.0	26.9	58.5	9.8	0.02	56.4	0.0		
P3-01	Phu Yen	An Tho	109.23440	13.18358	81.6	2007/9/17	28.5	190.5	0.100	6.9	130.3	59.6	3.5	570.1	161.9	248.2	7.1	0.01	683.4	0.0	1.2*10 ⁴	Dugwell
						2007/12/14	25.3	115.8	0.060	7.8	72.1	43.8	9.2	360.1	81.8	173.7	30.2	<0.01	360.0	0.0	33.6*10 ⁴	
						Av.	26.9	153.2	0.080	7.4	101.2	51.7	6.4	465.1	121.9	210.9	18.7	0.01	521.7	0.0		
P3-TW	Phu Yen	An Tho	109.23581	13.18415	84.2	2008/3/18	30.6	171.2	0.090	7.5	64.1	75.4	7.2	470.1	148.7	304.9	37.3	<0.01	445.4	0.0	4.5*10 ³	Drilled Well
						2008/6/26	31.1	171.5	0.090	7.5	76.2	58.4	11.3	430.1	144.2	354.5	29.1	0.01	305.1	0.0		
						2008/9/10	30.8	179.0	0.090	7.3	90.2	40.1	16.8	390.1	153.1	397.1	13.7	<0.01	299.0	0.0		
						Av.	30.8	173.9	0.090	7.5	76.8	57.9	11.7	430.1	148.7	352.2	26.7	0.01	349.8	0.0		
P3-02	Phu Yen	An Tho	109.23617	13.18427	85.7	2007/9/17	28.2	224.0	0.110	7.3	120.2	91.2	1.6	675.1	177.5	347.4	28.8	<0.01	631.5	0.0	1.7*10 ⁴	Dugwell
						2007/12/14	26.3	239.0	0.120	7.8	140.3	105.8	1.2	785.1	158.1	407.7	74.4	<0.01	640.7	0.0	6.0*10 ⁴	
						2008/3/18	25.8	255.0	0.130	7.4	92.2	148.3	2.1	840.1	191.4	475.1	99.5	0.01	646.8	0.0	1.25*10 ³	
						2008/6/26	28.2	219.0	0.110	7.5	130.3	108.2	2.9	770.1	194.1	390.0	186.9	0.01	585.8	0.0		
						2008/9/10	27.6	212.0	0.110	7.4	120.2	94.8	0.4	690.1	139.8	361.6	33.7	<0.01	591.9	0.0		
Av.	27.2	229.8	0.116	7.5	120.6	109.6	1.6	752.1	172.2	396.4	84.6	0.01	619.3	0.0								
P3-03	Phu Yen	An Tho	109.23938	13.18990	83.4	2007/9/17	28.7	76.1	0.040	6.9	56.1	35.3	2.1	285.1	35.5	85.1	7.7	0.01	314.2	0.0	1.85*10 ⁴	Dugwell
						2007/12/14	27.9	91.4	0.040	7.8	68.1	43.2	4.8	347.6	50.8	106.4	29.3	0.01	366.1	0.0	12.0*10 ⁴	
						2008/3/18	26.2	83.3	0.040	7.2	68.1	37.7	2.7	325.1	44.4	92.2	28.1	0.01	341.7	0.0	3*10 ³	
						2008/6/26	28.6	66.7	0.030	7.4	56.1	29.2	3.1	260.0	36.6	51.4	8.2	0.03	335.6	0.0		
						2008/9/10	27.9	68.0	0.030	7.1	56.1	29.2	1.2	260.0	32.2	56.7	11.0	0.01	305.1</			

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commune	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO ₃ mg/l)	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
P4-01	Phu Yen	An My	109.27956	13.20757	4.8	Av.	29.0	54.4	0.028	7.3	66.9	11.2	4.6	213.0	24.0	56.0	5.4	0.02	227.6	0.0		
						2007/9/17	31.8	44.8	0.020	8.4	44.1	17.0	11.3	180.0	99.8	180.8	7.0	<0.01	225.8	9.0	17.6*10 ⁴	Swamp
						2007/12/13	27.4	54.9	0.030	7.8	32.1	8.5	51.1	115.0	41.0	85.1	29.8	0.28	155.6	0.0	10.4*10 ⁴	
						2008/3/18	30.6	71.8	0.040	8.5	28.1	9.7	6.7	110.0	40.5	74.5	1.6	0.02	128.1	0.0	2.5*10 ³	
						2008/6/25	32.1	61.1	0.030	7.8	32.1	9.7	8.7	120.0	63.2	120.5	<1	0.01	140.3	0.0		
						2008/9/11	30.2	15.8	0.010	7.3	14.0	6.1	3.1	60.0	10.3	14.2	4.2	<0.01	73.2	0.0		
P4-02	Phu Yen	An My	109.22298	13.20003	324.8	Av.	30.4	49.7	0.026	8.0	30.1	10.2	16.2	117.0	51.0	95.0	10.7	0.10	144.6	1.8		
						2007/9/17	30.0	17.4	0.020	6.7	12.0	4.9	2.9	50.0	10.3	16.0	<1.00	<0.01	82.4	0.0	4*10 ⁴	Dugwell
						2007/12/13	28.3	45.4	0.020	7.7	46.1	9.7	0.6	155.0	36.6	39.0	5.5	0.01	192.2	0.0	0.6*10 ⁴	
P4-TW	Phu Yen	An My	109.26448	13.19961	12.5	Av.	29.2	31.4	0.020	7.2	29.1	7.3	1.7	102.5	23.4	27.5	5.5	0.01	137.3	0.0		
						2008/3/18	30.7	85.6	0.040	7.4	48.1	23.1	9.5	215.0	88.8	42.5	5.2	0.40	439.3	0.0	5*10 ³	Drilled Well
						2008/6/26	31.5	76.8	0.040	7.7	44.1	18.2	10.2	185.0	82.1	46.1	9.1	<0.01	384.4	0.0		
						2008/9/11	31.2	73.6	0.040	7.8	28.1	24.3	11.6	170.0	82.1	46.1	9.1	<0.01	366.1	0.0		
P4-03	Phu Yen	An My	109.27615	13.20277	5.6	Av.	31.1	81.2	0.040	7.5	40.1	21.9	10.4	190.0	84.3	44.9	7.8	0.40	396.6	0.0		
						2007/9/17	31.0	376.0	0.190	7.5	170.3	91.2	23.3	800.1	303.7	964.3	15.5	<0.01	384.4	0.0	1*10 ⁴	Drilled Well
						2007/12/13	27.9	214.0	0.110	7.8	98.2	54.7	20.7	470.1	163.7	439.6	74.4	0.02	225.8	0.0	1.7*10 ⁴	
						2008/3/18	31.2	337.0	0.170	7.2	136.3	87.5	19.1	700.1	416.2	865.1	39.9	<0.01	439.3	0.0	27.5*10 ³	
						2008/6/25	31.1	333.0	0.170	7.2	132.3	87.5	19.9	690.1	361.8	836.7	10.1	0.21	424.1	0.0		
						2008/9/11	29.9	32.0	0.170	7.3	140.3	82.7	20.4	690.1	361.8	815.4	20.5	<0.01	421.0	0.0		
P4-04	Phu Yen	An My	109.28717	13.21227	11.4	Av.	30.2	316.8	0.162	7.4	135.5	80.7	20.7	670.1	321.4	784.2	32.1	0.12	378.9	0.0		
						2007/9/17	29.8	82.3	0.040	7.4	76.2	10.9	58.2	235.0	30.0	70.9	19.1	0.02	265.4	0.0	1*10 ⁴	Drilled Well
						2007/12/13	28.3	63.7	0.030	7.7	52.1	8.5	29.9	165.0	47.4	60.3	44.4	0.01	183.1	0.0	0.5*10 ⁴	
						2008/3/18	27.9	84.0	0.040	7.4	80.2	17.0	51.9	270.0	39.9	81.5	60.3	0.03	256.3	0.0	11.3*10 ³	
						2008/6/25	32.6	93.6	0.050	7.9	88.2	6.1	69.2	245.0	35.0	88.6	58.5	0.21	253.2	0.0		
						2008/9/11	29.6	86.1	0.040	7.8	80.2	5.5	74.4	222.5	45.8	85.1	56.4	0.02	256.3	0.0		
P4-05	Phu Yen	An My	109.28003	13.21958	24.4	Av.	29.6	81.9	0.040	7.6	75.4	9.6	56.7	227.5	29.6	77.3	47.7	0.06	242.8	0.0		
						2007/9/17	29.6	41.1	0.020	6.5	36.1	14.6	1.6	150.0	31.4	33.7	1.9	<0.01	192.3	0.0	1.05*10 ⁴	Dugwell
						2007/12/13	28.1	85.4	0.040	7.7	86.2	6.1	7.2	240.0	36.1	81.5	19.0	0.01	177.0	0.0	3.0*10 ⁴	
						2008/3/18	28.7	43.7	0.020	6.5	48.1	10.9	2.5	165.0	31.1	21.3	2.8	<0.01	250.2	0.0	1.25*10 ³	
						2008/6/24	29.3	43.1	0.020	6.9	44.1	13.4	1.8	165.0	19.4	33.7	2.1	0.03	204.4	0.0		
						2008/9/11	28.6	38.2	0.020	6.8	44.1	7.9	0.6	142.5	22.5	31.9	1.4	<0.01	180.0	0.0		
P4-06	Phu Yen	An My	109.27673	13.21897	10.8	Av.	28.9	50.3	0.024	6.9	51.7	10.6	2.7	172.5	26.1	40.4	5.4	0.02	200.8	0.0		
						2007/9/17	29.1	46.2	0.020	6.7	40.1	12.2	2.7	150.0	23.8	39.0	3.9	<0.01	201.4	0.0	2*10 ⁴	Dugwell
						2007/12/13	27.6	77.9	0.040	7.8	54.1	10.9	58.2	180.0	49.1	56.7	22.4	0.01	85.4	0.0	8.6*10 ⁴	
						2008/3/18	28.4	45.2	0.020	6.8	44.1	10.9	2.1	155.0	26.1	42.5	3.8	<0.01	192.2	0.0	1.4*10 ³	
						2008/6/25	29.1	39.3	0.020	7.0	36.1	12.2	2.1	140.0	20.8	35.5	1.8	<0.01	177.0	0.0		
						2008/9/11	28.5	43.5	0.020	7.0	48.1	7.3	2.3	150.0	32.7	39.0	4.6	<0.01	195.3	0.0		
P5-01	Phu Yen	Son Phuoc	108.95057	13.15437	158.2	Av.	28.5	50.4	0.024	7.0	44.5	10.7	13.5	155.0	30.5	42.5	7.3	0.01	170.2	0.0		
						2007/9/17	27.8	35.5	0.020	6.4	36.1	8.5	2.3	125.0	20.8	19.5	<1.00	<0.01	192.2	0.0	2*10 ⁴	Dugwell
						2007/12/16	26.9	70.9	0.030	6.5	74.2	17.0	1.0	255.0	32.7	109.9	6.4	<0.01	201.4	0.0	8.0*10 ⁴	
						2008/3/17	26.9	51.1	0.020	6.5	56.1	10.9	1.8	185.0	25.5	53.2	6.2	<0.01	192.2	0.0		
						2008/6/27	27.4	39.1	0.020	6.8	44.1	9.7	1.2	150.0	15.8	26.6	2.7	<0.01	186.1	0.0		
						2008/9/12	27.3	35.8	0.020	6.6	40.1	7.3	1.2	130.0	23.6	19.5	3.5	0.01	177.0	0.0		
P5-TW	Phu Yen	Son Phuoc	108.94888	13.13784	145.5	Av.	27.3	46.5	0.022	6.6	50.1	10.7	1.5	169.0	23.7	45.7	4.7	0.01	189.8	0.0		
						2008/3/17	28.3	59.3	0.030	7.8	56.1	24.3	2.1	240.0	24.4	31.9	6.2	<0.01	320.3	0.0	3*10 ³	Drilled Well
						2008/6/27	28.2	60.9	0.030	7.2	60.1	28.0	2.9	265.0	17.5	37.2	1.6	<0.01	323.4	0.0		
						2008/9/12	28.1	60.0	0.030	7.5	64.1	21.3	1.4	247.5	28.9	37.2	4.2	<0.01	320.3	0.0		
P5-02	Phu Yen	Son Phuoc	108.96025	13.17125	166.2	Av.	26.0	15.2	0.010	6.8	13.0	4.6	1.0	51.3	11.9	14.2	3.8	<0.01	29.3	0.0		
						2007/9/17	27.9	17.2	0.010	7.0	14.0	3.7	0.8	50.0	13.6	14.2	<1.00	<0.01	91.5	0.0	0.17*10 ⁴	Dugwell
						2007/12/16	24.0	13.1	0.010	6.7	12.0	5.5	1.2	52.5	10.3	14.2	3.8	<0.01	67.1	0.0	0.03*10 ⁴	
P6-01	Phu Yen	Ea Cha Rang	108.88990	13.09890	150.8	Av.	26.9	8.3	0.002	6.3	5.4	1.6	1.5	20.0	8.5	11.0	5.3	<0.01	29.9	0.0		
						2007/9/17	27.5	8.2	0.000	5.6	4.0	1.2	1.0	15.0	7.5	10.6	13.6	<0.01	21.4	0.0	6.5*10 ⁴	Spring
						2007/12/16	26.2	11.6	0.010	6.8	6.0	1.2	1.2	20.0	10.8	10.6	4.6	<0.01	30.5	0.0	0.3*10 ⁴	
						2008/3/17	26.0	8.1	0.000	6.1	8.0	1.2	2.5	25.0	8.9	12.4	4.2	<0.01	33.6	0.0	10*10 ³	
						2008/6/27	26.9	6.6	0.000	6.5	4.0	2.4	1.6	20.0	4.0	10.6	1.8	<0.01	27.5	0.0		
						2008/9/12	27.7	6.9	0.000	6.5	5.0	1.8	1.4	20.0	11.1	10.6	2.5	<0.01	36.6	0.0		
P6-02	Phu Yen	Ea Cha Rang	108.88815	13.09132	171.3	Av.	26.9	8.3	0.002	6.3	5.4	1.6	1.5	20.0	8.5	11.0	5.3	<0.01	29.9	0.0		
						2007/9/17	27.8	35.8	0.020	6.8	36.1	15.8	0.6	155.0	13.3	16.0	<1.00	<0.01	213.6	0.0	2*10 ⁴	Dugwell
						2007/12/16	27.1	36.9	0.020	7.0	23.7	17.0	1.6	160.0	16.6	7.1	2.7	<0.01	219.7	0.0	4.4*10 ⁴	
P6-TW	Phu Yen	Ea Cha Rang	108.86508	13.11597	182.8	Av.	27.5	36.4	0.020	6.9	29.9	16.4	1.1	157.5	15.0	11.5	2.7	<0.01	216.6	0.0		
						2008/3/17	27.7	72.1	0.040	7.1	52.1	12.2	6.1	180.0	79.9	85.1	24.1	<0.01	274.6	0.0	3*10 ³	Drilled Well
						2008/6/27	29.4</															

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commun	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO3)mg/l	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
P6-04	Phu Yen	Ea Cha Rang	108.86477	13.11593	182.3	2008/9/12	28.2	63.6	0.030	7.5	72.1	26.1	1.8	287.6	28.9	16.0	2.8	0.01	402.7	0.0		
						Av.	27.1	46.1	0.024	7.1	48.9	21.0	1.5	208.5	22.3	14.2	4.7	0.02	293.5	0.0		
						2007/9/17	28.4	106.8	0.050	6.7	120.2	10.9	16.8	345.1	41.6	101.0	17.7	0.01	149.5	0.0	2.05*10 ⁴	Dugwell
						2007/12/16	27.1	64.7	0.030	7.0	84.2	8.5	21.2	245.0	32.7	31.9	53.5	0.02	231.9	0.0	0.8*10 ⁴	
						2008/3/17	27.1	96.0	0.050	7.1	116.2	8.5	6.9	325.1	43.8	95.7	56.7	0.03	228.8	0.0	5.5*10 ³	
						2008/6/27	28.9	88.5	0.040	6.9	96.2	14.0	11.6	297.6	34.4	99.3	52.4	0.01	219.7	0.0		
P7-01	Phu Yen	Suoi Bac	108.96688	13.09322	96.8	2008/9/12	29.4	83.6	0.040	6.8	68.1	12.2	8.4	220.0	73.2	102.8	57.4	0.04	225.8	0.0		
						Av.	28.2	87.9	0.042	6.9	97.0	10.8	13.0	286.5	45.2	86.2	47.5	0.02	211.1	0.0		
						2007/9/17	33.0	30.3	0.010	7.8	32.1	31.6	3.1	210.0	18.0	19.5	3.9	<0.01	170.9	0.0	14.4*10 ⁴	Pond
						2007/12/16	27.2	19.0	0.010	8.5	16.0	6.1	2.1	65.0	21.4	14.2	6.8	0.01	109.8	0.0	3.6*10 ⁴	
						2008/3/17	30.5	30.3	0.010	8.2	40.1	4.9	1.8	120.0	22.7	14.2	7.3	<0.01	170.9	0.0	3*10 ³	
						2008/6/27	33.1	26.4	0.010	8.5	26.1	6.1	2.7	90.0	20.8	16.0	5.8	0.01	143.4	0.0		
P7-02	Phu Yen	Suoi Bac	108.99072	13.09727	62.4	2008/9/12	34.4	29.7	0.010	7.7	28.1	6.7	4.4	97.5	22.2	24.8	10.7	0.19	134.2	0.0		
						Av.	31.6	27.1	0.010	8.1	28.5	11.1	2.8	116.5	21.0	17.7	6.9	0.07	145.8	0.0		
						2007/9/17	27.3	31.3	0.020	7.9	28.1	8.5	2.7	105.0	19.7	26.6	1.7	<0.01	167.8	0.0	2.25*10 ⁴	River
						2007/12/16	25.9	22.3	0.010	7.2	20.0	6.1	2.1	75.0	24.1	10.6	1.6	<0.01	115.9	0.0	0.5*10 ⁴	
						2008/3/17	26.0	25.3	0.010	8.0	28.1	4.9	1.6	90.0	17.5	17.7	7.1	<0.01	128.1	0.0	5*10 ³	
						2008/6/27	33.6	30.2	0.010	8.2	28.1	8.5	1.8	105.0	16.6	23.0	4.6	<0.01	146.4	0.0		
P7-03	Phu Yen	Suoi Bac	108.95118	13.09665	134.0	2008/9/12	28.8	30.1	0.010	7.9	32.1	4.9	3.1	100.0	23.8	23.0	6.7	<0.01	149.5	0.0		
						Av.	28.3	27.8	0.012	7.9	27.3	6.6	2.3	95.0	20.4	20.2	4.4	<0.01	141.6	0.0		
						2007/9/17	28.6	115.1	0.060	7.3	90.2	58.4	13.8	465.1	39.1	125.9	11.0	<0.01	488.1	0.0	0.9*10 ⁴	Dugwell
						2007/12/16	26.6	119.1	0.060	7.4	92.2	51.1	12.6	440.1	76.3	173.7	41.0	0.02	381.4	0.0	0.3*10 ⁴	
						Av.	27.6	117.1	0.060	7.3	91.2	54.7	15.2	452.6	57.7	149.8	26.0	0.02	434.8	0.0		
						2008/3/17	28.6	160.8	0.080	7.5	84.2	12.2	3.1	260.0	241.2	152.5	179.5	<0.01	472.9	0.0	5*10 ³	Drilled Well
P7-04	Phu Yen	Suoi Bac	108.95087	13.09807	136.4	2008/6/27	28.8	182.2	0.090	7.5	100.0	17.0	2.7	320.1	232.9	175.5	190.1	<0.01	475.9	0.0		
						Av.	28.8	147.0	0.073	7.6	73.4	11.8	2.9	231.7	209.8	145.9	51.6	<0.01	407.8	0.0		
						2007/9/17	28.3	122.8	0.060	7.9	80.2	74.2	7.2	505.1	41.6	102.8	9.0	0.02	537.0	0.0	1.35*10 ⁴	Dugwell
						2007/12/16	26.7	108.9	0.090	7.9	100.2	119.1	5.7	740.1	104.8	255.3	64.3	0.03	479.0	0.0	0.5*10 ⁴	
						2008/3/17	27.0	109.7	0.050	7.5	92.2	53.5	4.6	450.1	44.4	109.9	42.2	0.01	469.8	0.0	7.5*10 ³	
						2008/6/27	28.3	97.3	0.050	8.2	72.1	63.2	5.5	440.1	24.4	58.5	8.2	<0.01	530.9	0.0		
P7-05	Phu Yen	Suoi Bac	108.99033	13.08817	59.2	2008/9/12	28.2	370.0	0.190	7.7	190.4	76.6	4.8	790.1	439.3	338.6	670.5	0.01	579.7	0.0	3*10 ⁴	Dugwell
						Av.	27.7	109.1	0.060	7.9	84.2	73.7	5.5	513.1	53.7	124.4	27.7	0.02	501.0	0.0		
						2007/9/18	28.2	370.0	0.190	7.7	190.4	76.6	4.8	790.1	439.3	338.6	670.5	0.01	579.7	0.0	3*10 ⁴	
						2007/12/16	28.0	335.0	0.170	7.9	106.2	68.1	5.0	545.1	565.8	326.2	499.6	0.01	701.7	0.0	1.82*10 ⁴	
						2008/3/17	26.9	400.0	0.210	7.5	172.3	90.0	2.7	800.1	599.2	407.7	710.3	<0.01	689.5	0.0	5*10 ³	
						2008/6/27	28.6	441.0	0.230	7.3	184.4	90.0	1.8	830.1	590.7	436.1	761.0	0.02	683.4	0.0		
P8-01	Phu Yen	Son Thanh Dong	109.09205	12.99002	56.0	2008/9/12	28.4	435.0	0.230	7.6	190.4	81.5	2.9	810.1	590.7	443.2	778.2	<0.01	671.2	0.0		
						Av.	28.0	396.2	0.206	7.6	168.7	81.2	3.5	755.1	557.1	390.3	683.9	0.01	665.1	0.0		
						2007/9/18	28.6	18.3	0.010	6.5	18.0	4.9	2.3	65.0	3.9	16.0	1.1	<0.01	76.3	0.0	3.5*10 ⁴	Dugwell
						2007/12/17	28.0	19.0	0.010	6.0	14.0	6.1	0.8	60.0	16.6	26.6	1.6	0.01	51.9	0.0	0.2*10 ⁴	
						Av.	28.3	18.6	0.010	6.3	16.0	5.5	1.5	62.5	10.2	21.3	1.3	0.01	64.1	0.0		
						2008/3/19	29.0	31.6	0.020	7.3	32.1	14.6	3.8	140.0	12.2	10.6	<1	<0.01	186.1	0.0	2*10 ³	Drilled Well
P8-02	Phu Yen	Son Thanh Dong	109.10895	12.98628	51.3	2008/6/28	30.0	30.3	0.010	7.3	30.1	13.4	3.3	130.0	10.3	10.6	3.9	<0.01	177.0	0.0	2*10 ⁴	
						Av.	29.7	30.5	0.013	7.3	32.7	12.0	3.8	130.9	13.1	10.0	3.8	<0.01	177.0	0.0		
						2007/9/18	29.1	18.8	0.010	6.8	18.0	3.7	2.3	60.0	3.9	14.2	1.0	<0.01	85.4	0.0	3.8*10 ⁴	Dugwell
						2007/12/17	27.5	13.2	0.010	6.1	10.0	5.5	2.3	47.5	14.2	17.7	<1.00	0.01	51.9	0.0	0.4*10 ⁴	
						2008/3/19	26.4	22.1	0.010	6.3	16.0	9.7	4.2	80.0	5.8	21.3	<1	<0.01	79.3	0.0	2*10 ⁴	
						2008/6/28	29.4	23.8	0.010	7.2	26.1	6.1	4.0	90.0	4.4	21.3	1.3	0.01	94.6	0.0		
K1-01	Khanh Hoa	Cam An Bac	109.08685	12.00962	67.8	2008/9/12	28.1	23.1	0.010	6.8	24.1	6.1	3.1	85.0	12.2	19.5	2.2	<0.01	94.6	0.0		
						Av.	28.1	20.2	0.010	6.6	18.6	6.2	3.2	72.5	15.2	15.2	1.5	0.01	81.2	0.0		
						2007/9/13	28.6	163.2	0.080	6.6	160.3	42.6	130.3	575.1	382.7	616.9	55.8	0.08	396.6	0.0	0.24*10 ⁴	Drilled Well
						2007/12/10	31.1	143.8	0.070	7.7	76.2	18.2	66.1	265.0	109.5	244.6	73.1	0.02	213.6	0.0	0.5*10 ⁴	
						2008/3/26	26.3	167.9	0.080	6.8	96.2	13.4	104.8	295.1	119.8	308.4	52.0	<0.01	210.5	0.0	24.5*10 ³	
						2008/6/24	28.1	212.0	0.110	6.7	128.3	17.0	133.8	390.1	130.4	375.8	81.2	<0.01	238.0	0.0		
K1-02	Khanh Hoa	Cam An Bac	109.08487	12.00975	68.0	2008/9/9	28.1	199.5	0.100	6.7	108.2	28.0	97.5	385.1	137.6	347.4	64.9	0.01	244.1	0.0		
						Av.	28.4	177.3	0.088	6.9	113.8	23.8	106.5	382.1	176.0	378.6	65.4	0.04	260.5	0.0		
						2007/9/13	28.9	48.6	0.020	6.3	35.1	6.1	6.1	112.5	54.9	63.8	15.4	<0.01	131.2	0.0	0.35*10 ⁴	Dugwell
						2007/12/10	31.5	77.6	0.040	7.7	56.1	13.4	4.6	195.0	83.2	92.2	16.7	<0.01	289.8	0.0	0.5*10 ⁴	
						Av.	30.2	63.1	0.030	7.0	45.6	9.7	5.3	153.8	69.1	78.0	16.1		210.5	0.0		
						2008/3/26	28.0	69.2	0.030	7.0	84.2	7.3	2.1	240.0	51.6	49.6	4.2	<0.01	357.0	0.0	66*10 ³	Drilled Well
K1-03	Khanh Hoa	Cam An Bac	109.08628	12.01170	71.2	2008/6/24	28.6	69.2	0.030	7.1	76.2	12.2	1.8	240.0	48.3	49.6	1.0	<0.01	350.9	0.0		
						Av.	28.4	69.2	0.030	7.0	80.2	14.6	1.0	260.0	36.							

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commun	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO3)mg/l	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
K1-04	Khanh Hoa	Cam An Bac	109.11500	12.01878	46.0	2008/6/24	28.4	33.7	0.020	6.3	20.0	7.3	4.2	80.0	31.6	42.5	9.5	<0.01	103.7	0.0		Dugwell
						2008/9/9	28.9	43.0	0.020	6.7	22.0	6.1	3.5	80.0	31.6	35.5	9.8	0.01	115.9	0.0		
						Av.	28.7	41.2	0.020	6.7	26.7	6.8	5.1	94.5	37.1	47.5	9.4	0.01	124.5	0.0		
						2007/9/13	29.1	70.3	0.030	7.1	60.1	3.7	8.4	165.0	76.4	90.4	11.4	<0.01	241.0	0.0	0.24*10 ⁴	
						2007/12/10	32.5	32.8	0.020	7.7	24.1	6.1	1.2	85.0	24.1	37.2	2.6	<0.01	119.0	0.0	0.43*10 ⁴	
K1-05	Khanh Hoa	Cam An Bac	109.08503	12.01145	73.0	2008/3/26	27.6	57.7	0.030	7.2	60.1	1.8	11.8	157.5	37.2	76.2	5.8	<0.01	180.0	0.0	82.5*10 ³	Dugwell
						2008/6/24	28.6	59.7	0.030	7.3	56.1	3.7	12.1	155.0	44.1	74.5	7.3	<0.01	195.3	0.0		
						2008/9/9	30.6	57.9	0.030	7.5	50.1	6.1	11.6	150.0	41.6	70.9	6.8	0.02	189.2	0.0		
						Av.	29.7	55.7	0.028	7.4	50.1	4.3	9.0	142.5	44.7	69.8	6.8	0.02	184.9	0.0		
						2007/9/13	29.6	33.9	0.020	6.3	24.1	2.4	4.1	70.0	42.2	51.4	11.9	<0.01	125.1	0.0	0.4*10 ⁴	
K1-06	Khanh Hoa	Cam An Bac	109.11587	12.01308	40.8	2007/12/10	31.4	31.3	0.010	7.7	16.0	3.7	1.2	55.0	33.8	42.5	1.3	<0.01	94.6	0.0	0.4*10 ⁴	Dugwell
						2008/3/26	26.6	29.7	0.010	6.3	20.0	6.1	1.8	75.0	29.4	39.0	3.4	<0.01	106.8	0.0	11*10 ³	
						2008/6/24	27.9	29.7	0.010	6.4	22.0	3.7	3.8	70.0	31.6	44.3	4.8	<0.01	100.7	0.0		
						2008/9/9	28.1	30.8	0.010	6.5	20.0	6.1	1.8	75.0	31.6	42.5	4.3	0.01	103.7	0.0		
						Av.	28.7	31.1	0.012	6.6	20.4	4.4	2.6	69.0	33.7	44.0	5.1	0.01	106.2	0.0		
K2-01	Khanh Hoa	Cam Hiep Nam	109.12790	12.02252	29.9	2007/9/13	29.4	329.0	0.170	6.5	190.4	47.4	2.5	670.1	415.9	794.2	86.4	0.01	445.4	0.0	19.6*10 ⁴	Dugwell
						2007/12/10	30.5	258.0	0.130	7.7	140.3	49.8	46.4	555.1	216.3	588.5	75.9	0.03	195.3	0.0	1.01*10 ⁴	
						2008/3/26	28.0	137.3	0.070	6.9	56.1	20.7	49.3	225.0	137.8	244.6	32.3	0.01	280.7	0.0	1*10 ³	
						2008/6/24	30.7	118.1	0.060	6.8	42.1	13.4	44.0	160.0	128.7	211.0	34.0	<0.01	207.5	0.0		
						2008/9/9	30.3	141.3	0.070	7.0	44.1	18.2	51.1	185.0	139.8	283.6	35.9	0.01	207.5	0.0		
K2-02	Khanh Hoa	Cam Hiep Nam	109.12485	12.02478	35.0	Av.	29.8	196.7	0.100	7.0	94.6	29.9	38.7	359.1	207.7	424.4	52.9	0.02	267.3	0.0		
						2007/9/13	34.5	41.4	0.020	8.7	22.0	3.7	5.2	70.0	59.9	72.7	39.3	0.01	85.4	12.0	2.5*10 ⁴	
						2007/12/10	31.1	25.1	0.010	7.7	14.0	4.9	3.5	55.0	20.2	26.6	4.1	0.01	79.3	0.0	1.18*10 ⁴	
						2008/3/26	33.9	34.7	0.020	7.4	24.1	3.0	13.6	72.5	33.3	42.5	4.9	<0.01	125.1	0.0	2.7*10 ³	
						2008/6/24	28.6	36.6	0.020	7.5	20.0	4.9	5.7	70.0	37.2	49.6	5.2	0.01	106.8	0.0		
K2-03	Khanh Hoa	Cam Hiep Nam	109.12867	12.03590	44.5	2008/9/9	32.5	37.4	0.020	7.8	20.0	6.1	4.8	75.0	37.7	56.7	5.5	0.01	103.7	0.0		Dugwell
						Av.	32.1	35.0	0.018	7.8	20.0	4.5	6.6	68.5	37.7	49.6	11.8	0.01	100.1	2.4		
						2007/9/13	29.1	93.9	0.050	6.3	54.1	5.5	13.1	157.5	135.4	159.5	60.6	<0.01	201.4	0.0	1.6*10 ⁴	
						2007/12/10	30.9	160.4	0.080	7.7	82.2	12.2	10.0	255.0	173.0	276.5	35.4	0.01	250.2	0.0	1.2*10 ⁴	
						2008/3/26	28.2	63.9	0.030	6.9	32.1	7.3	22.0	110.0	64.1	81.5	36.0	0.01	164.8	0.0	60.8*10 ³	
K2-TW	Khanh Hoa	Cam Hiep Nam	109.12833	12.03166	43.2	2008/6/24	28.7	84.7	0.040	6.5	36.1	7.3	20.7	120.0	95.7	136.5	36.7	0.01	152.5	0.0		Dugwell
						2008/9/9	29.5	97.4	0.050	6.7	46.1	10.9	17.3	160.0	95.4	163.1	32.3	0.01	170.9	0.0		
						Av.	29.3	100.1	0.050	6.8	50.1	8.6	16.6	160.5	112.7	163.4	40.2	0.01	187.9	0.0		
						2007/9/13	29.6	58.0	0.030	7.9	36.1	2.4	5.2	100.0	76.5	108.1	24.1	<0.01	125.1	0.0	1*10 ⁴	
						2007/12/10	29.4	61.0	0.030	7.8	44.1	4.9	9.7	130.0	55.8	102.8	5.6	<0.01	143.4	0.0	0.5*10 ⁴	
K3-01	Khanh Hoa	Cam Hai Tay	109.14737	12.08743	20.0	2008/3/26	28.4	52.5	0.030	6.3	44.1	2.4	10.8	120.0	50.8	95.7	6.8	<0.01	131.2	0.0	67.5*10 ³	Dugwell
						2008/6/24	29.7	62.2	0.030	8.5	44.1	3.0	10.5	122.5	57.7	109.9	8.9	<0.01	106.8	18.0		
						2008/9/9	33.0	57.8	0.030	7.0	36.1	4.9	8.9	110.0	56.6	109.9	4.4	0.01	112.9	0.0		
						Av.	30.0	58.3	0.030	7.5	40.9	3.5	9.0	116.5	59.5	105.3	10.0	0.01	123.9	3.6		
						2007/9/14	29.4	288.0	0.150	6.7	287.6	41.9	9.5	890.1	159.2	733.9	20.5	<0.01	259.3	0.0	0.016*10 ⁴	
K3-02	Khanh Hoa	Cam Hai Tay	109.14772	12.08793	20.0	2007/12/10	27.4	149.5	0.070	7.8	116.2	9.7	5.5	330.1	122.0	372.3	12.7	0.01	109.8	0.0	760	Dugwell
						2008/3/26	30.4	299.0	0.150	7.1	332.7	29.2	10.5	950.2	149.5	787.1	22.9	<0.01	244.1	0.0	2*10 ³	
						2008/6/24	31.5	300.0	0.150	7.1	340.7	14.6	7.8	910.2	166.4	787.1	32.7	<0.01	231.9	0.0		
						2008/9/8	30.3	324.0	0.170	7.1	380.8	17.0	10.5	1020.2	174.7	865.1	27.9	<0.01	241.0	0.0		
						Av.	29.8	272.1	0.138	7.1	291.6	22.5	8.7	820.1	154.4	709.1	23.4	0.01	217.2	0.0		
K3-03	Khanh Hoa	Cam Hai Tay	109.15298	12.09990	10.4	2007/9/14	28.2	30.6	0.010	5.1	2.0	1.2	1.8	10.0	39.9	56.7	5.7	<0.01	9.2	0.0	0.2*10 ⁴	Dugwell
						2007/12/10	25.5	63.2	0.030	7.8	68.1	6.1	8.9	195.0	41.0	55.0	17.6	0.01	250.2	0.0	755	
						2008/3/26	27.5	71.4	0.030	7.2	68.1	6.1	9.2	195.0	46.6	60.3	20.7	<0.01	259.3	0.0	2*10 ³	
						2008/6/24	28.1	77.9	0.040	7.3	68.1	4.9	7.6	190.0	66.6	78.0	24.2	<0.01	280.7	0.0		
						2008/9/8	28.3	78.1	0.040	7.4	80.2	2.4	10.0	210.0	62.4	81.5	24.5	<0.01	274.6	0.0		
K3-TW	Khanh Hoa	Cam Hai Tay	109.13242	12.07145	19.9	2008/3/26	29.1	73.4	0.040	7.0	76.2	6.1	4.8	215.0	58.2	81.5	6.3	<0.01	292.9	0.0	16.5*10 ³	Dugwell
						2008/6/24	29.0	73.2	0.040	7.0	70.1	8.5	4.2	210.0	58.8	83.3	8.7	<0.01	289.8	0.0		
						2008/9/8	29.5	75.1	0.040	7.1	66.1	8.5	5.0	200.0	64.1	81.5	8.7	<0.01	286.8	0.0		
						Av.	29.2	73.9	0.040	7.1	70.8	7.7	4.7	208.4	60.4	82.1	7.9	<0.01	289.8	0.0		
						2007/9/14	29.8	143.1	0.070	6.0	68.1	17.0	13.4	240.0	141.7	319.1	47.4	0.01	94.6	0.0	0.224*10 ⁴	

Table 6.13 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commun	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO ₃ mg/l)	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
K3-04	Khanh Hoa	Cam Hai Tay	109.15483	12.09942	5.0	2007/9/14	29.3	148.9	0.070	6.4	92.2	18.2	24.4	305.1	134.0	274.8	56.2	0.14	192.2	0.0	0.5*10 ⁴	Dugwell
						2007/12/10	28.8	119.4	0.060	7.7	88.2	9.7	25.2	260.0	96.5	193.2	14.3	0.21	286.8	0.0	0.2*10 ⁴	
						Av.	29.1	134.2	0.065	7.1	90.2	14.0	24.8	282.5	115.2	234.0	35.3	0.18	239.5	0.0		
N1-01	Ninh Thuan	Nhon Hai	109.11342	11.58748	7.8	2007/9/13	28.4	615.0	0.330	8.0	210.4	65.6	461.1	795.1	707.0	1,084.9	283.5	0.17	598.0	0.0	5*10 ⁴	Dugwell
						2007/12/10	26.6	354.0	0.180	7.9	124.3	24.3	279.8	410.1	409.2	517.6	283.0	0.14	604.1	0.0	1.1*10 ⁴	
						2008/3/24	27.7	440.0	0.230	7.9	136.3	43.8	283.3	520.1	491.0	709.1	285.5	0.01	543.1	0.0	32*10 ³	
						2008/6/22	28.0	469.0	0.240	8.1	155.3	39.5	288.5	550.1	491.0	780.0	288.5	0.02	585.8	0.0		
						2008/9/7	28.4	525.0	0.270	8.0	164.3	66.9	319.9	685.1	499.2	886.3	288.6	0.03	671.2	0.0		
Av.	27.8	480.6	0.250	8.0	158.1	48.0	326.5	592.1	519.5	795.6	285.8	0.07	600.4	0.0								
N1-02	Ninh Thuan	Nhon Hai	109.11618	11.59817	16.7	2007/9/13	31.1	147.2	0.070	7.5	30.1	13.4	5.7	130.0	230.1	260.6	47.9	0.01	335.6	0.0	6*10 ⁴	Dugwell
						2007/12/10	28.0	195.8	0.100	7.4	96.2	20.7	4.8	325.1	241.3	397.1	128.3	0.01	204.4	0.0	1.05*10 ⁴	
						2008/3/25	28.6	185.6	0.090	7.3	80.2	24.3	4.4	300.1	194.1	372.3	59.3	0.01	207.5	0.0	20*10 ³	
						2008/6/22	30.3	201.0	0.100	7.4	110.2	17.0	3.8	345.1	202.4	390.0	68.9	0.03	164.8	0.0		
						2008/9/7	30.8	183.4	0.090	7.2	84.2	24.3	3.1	310.1	174.7	351.0	46.3	0.04	167.8	0.0		
Av.	29.8	182.6	0.072	7.4	80.2	19.9	4.3	282.0	208.6	354.2	70.1	0.02	216.0	0.0								
N1-TW	Ninh Thuan	Nhon Hai	109.11866	11.59964	17.2	2008/3/25	29.3	1,217.0	0.060	7.2	190.4	127.6	304.2	165.0	2,356.7	3,616.2	682.5	0.01	1055.6	0.0	22*10 ³	Drilled Well
						2008/6/22	30.7	123.6	0.060	7.0	30.1	7.3	1.6	105.0	199.7	216.3	25.7	<0.01	262.4	0.0		
						2008/9/7	31.8	121.5	0.060	7.2	28.1	12.2	2.1	120.0	177.5	212.7	14.4	<0.01	256.3	0.0		
Av.	30.6	487.4	0.060	7.1	82.8	49.0	102.6	130.0	911.3	1,348.4	240.8	0.01	524.7	0.0								
N1-03	Ninh Thuan	Nhon Hai	109.12238	11.60672	29.0	2007/9/13	30.0	200.0	0.100	7.5	62.1	23.1	3.5	250.0	320.3	304.9	50.4	0.01	659.0	0.0	0.25*10 ⁴	Dugwell
						2007/12/10	26.4	216.0	0.110	8.3	72.1	28.0	5.7	295.1	355.0	404.2	100.3	<0.01	518.6	9.0	7.8*10 ⁴	
						Av.	28.2	208.0	0.105	7.9	67.1	25.5	4.6	272.5	337.6	354.5	75.4	0.01	588.8	4.5		
N1-04	Ninh Thuan	Nhon Hai	109.10340	11.59328	3.5	2007/9/13	31.3	1,579.0	0.890	7.5	210.4	125.2	309.5	1,040.2	2,966.0	3,970.7	860.0	<0.01	909.2	0.0	2*10 ⁴	Dugwell
						2007/12/10	27.3	380.0	0.200	7.7	92.2	23.1	86.5	325.1	707.0	687.8	401.8	<0.01	811.5	0.0	2.2*10 ⁴	
						2008/3/24	28.9	1,429.0	0.790	7.7	190.4	127.6	304.2	1,000.2	2,356.7	3,616.2	682.5	0.01	1055.6	0.0	28*10 ³	
						2008/6/22	30.1	1,817.0	1.040	7.6	230.5	169.0	13.4	1,270.2	3,410.4	4,715.3	1,214.2	0.04	1025.1	0.0		
						2008/9/7	30.9	2,170.0	1.250	7.9	260.5	240.7	314.7	1,640.3	3,550.2	6,027.0	782.5	<0.01	994.6	0.0		
Av.	29.7	1,475.0	0.834	7.7	196.8	137.1	205.7	1,055.2	2,598.1	3,803.4	788.2	0.03	659.2	0.0								
N2-01	Ninh Thuan	Cong Hai	109.10167	11.80165	6.6	2007/9/13	33.3	48.3	0.020	7.3	40.1	10.9	2.1	145.0	194.1	127.6	152.0	0.01	320.3	0.0	2.35*10 ⁴	Dugwell
						2007/12/10	27.2	71.9	0.040	7.7	32.1	9.7	3.5	120.0	113.2	67.4	86.4	0.01	241.0	0.0	0.2*10 ⁴	
						2008/3/25	29.3	99.7	0.050	7.1	44.1	9.7	3.3	150.0	122.1	109.9	37.0	<0.01	292.9	0.0	35*10 ³	
						2008/6/22	31.5	105.5	0.050	7.0	48.1	9.7	3.1	160.0	158.1	124.1	72.3	0.01	311.2	0.0		
						2008/9/7	32.0	86.1	0.040	7.1	40.1	14.6	2.7	160.0	94.3	95.7	24.7	<0.01	259.3	0.0		
Av.	30.7	82.3	0.040	7.2	40.1	10.9	2.9	147.0	136.3	104.9	74.5	0.01	285.0	0.0								
N2-02	Ninh Thuan	Cong Hai	109.08083	11.77968	13.0	2007/9/13	30.2	631.0	0.340	8.0	40.1	10.9	4.4	145.0	547.6	393.5	179.6	0.21	918.3	0.0	2.3*10 ⁴	Dugwell
						2007/12/10	26.6	229.0	0.120	7.7	76.2	7.3	16.5	220.0	432.6	297.8	164.4	0.04	768.8	0.0	4.2*10 ⁴	
						2008/3/25	28.1	263.0	0.130	7.6	44.1	9.7	5.0	150.0	540.8	351.0	144.4	0.04	890.9	0.0	54*10 ³	
						2008/6/22	29.4	248.0	0.130	7.4	48.1	9.7	9.2	160.0	486.0	297.8	126.5	0.03	823.7	0.0		
						2008/9/7	30.0	248.0	0.130	7.6	32.1	12.2	3.3	130.0	443.6	297.8	45.3	0.01	823.7	0.0		
Av.	28.9	323.8	0.170	7.6	48.1	10.0	7.7	161.0	490.1	327.6	132.0	0.07	845.0	0.0								
N2-03	Ninh Thuan	Cong Hai	109.08060	11.77803	14.4	2007/9/13	30.3	152.9	0.080	6.7	56.1	14.6	10.0	200.0	87.4	145.4	91.1	0.01	210.5	0.0	1.35*10 ⁴	Dugwell
						2007/12/10	27.0	100.5	0.050	7.7	100.2	15.8	13.1	315.1	73.2	99.3	98.9	0.01	299.0	0.0	40.0*10 ³	
						2008/3/25	28.0	83.6	0.040	6.8	60.1	18.2	10.0	225.0	86.0	117.0	98.0	<0.01	207.5	0.0	25*10 ⁴	
						2008/6/22	30.7	86.8	0.040	7.0	72.1	12.2	13.1	230.0	77.7	113.5	64.1	0.01	231.9	0.0		
						2008/9/7	30.3	84.4	0.040	6.6	52.1	29.2	11.3	250.0	55.8	120.5	45.0	0.01	207.5	0.0		
Av.	29.5	101.6	0.050	6.9	68.1	18.0	11.5	244.0	76.0	119.1	79.4	0.01	231.3	0.0								
N2-TW	Ninh Thuan	Cong Hai	109.09243	11.79183	10.2	2008/3/25	28.6	112.8	0.060	7.4	24.1	8.5	4.2	95.0	194.1	152.5	12.1	<0.01	390.5	0.0	78*10 ²	Drilled Well
						2008/6/22	29.1	109.8	0.050	7.2	14.0	7.3	3.8	65.0	208.1	145.4	17.8	0.01	390.5	0.0		
						2008/9/7	29.3	105.6	0.050	7.4	14.0	13.4	4.2	90.0	191.4	127.6	18.9	<0.01	396.6	0.0		
Av.	29.0	109.4	0.053	7.3	17.4	9.7	4.0	83.3	197.9	141.8	16.3	0.01	392.5	0.0								
N2-04	Ninh Thuan	Cong Hai	109.07765	11.77322	14.8	2007/9/13	30.9	94.3	0.050	6.8	6.0	14.6	2.7	75.0	47.7	83.3	45.0	<0.01	21.4	0.0	1.2*10 ⁴	Dugwell
						2007/12/10	26.6	40.1	0.020	7.7	16.0	3.7	8.9	55.0	51.6	67.4	55.2	<0.01	33.6	0.0	10.2*10 ⁴	
						Av.	28.8	67.2	0.035	7.2	11.0	9.1	5.8	65.0	49.6	75.3	50.1	<0.01	27.5	0.0		
N3-01	Ninh Thuan	Bac Son	109.06320	11.68398	19.2	2007/9/13	33.6	110.0	0.050	6.8	36.0	4.9	12.3	100.0	73.2	95.7	34.0	0.04	149.5	0.0	45*10 ³	Drilled Well
						2007/12/11	28.1	82.6	0.040	7.7	10.0	8.5	8.4	60.0	157.2	138.3	73.9	<0.01	192.2	0.0	4.7*10 ⁴	
						2008/3/24	27.9	91.2	0.040	7.7	16.0	3.7	12.6	55.0	135.4	148.9	4.7	<0.01	201.4	0.0	35*10 ³	
						2008/6/22	29.9	44.9	0.020	7.1	16.0	6.1	10.5	65.0	64.1	70.9	17.7	<0.01	97.6	0.0		
						2008/9/7	30.7	51.6	0.030	7.3	22.0	9.7	16.5	95.0	50.8	70.9	8.8	0.05	152.5	0.0		
Av.	30.0	76.1	0.036	7.3	20.0	6.6	12.1	75.0	96.1	104.9	27.8	0.04	158.6	0.0								
N3-02	Ninh Thuan	Bac Son	109.06302	11.68077	20.4	2007/9/13	30.2	30.1	0.015	7.3	28.1	2.4	10.0	81.0	35.0	37.2	18.2	0.01	146.4	0.0	0.12*10 ⁴	Dugwell
						2007/12/11	28.5	41.2	0.020	7.7	28.1	4.9	12.3	90.0	39.4	42						

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commune	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO3)mg/l	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
						2008/6/22	29.8	863.0	0.460	7.2	280.6	90.0	236.0	1,070.2	1,015.2	1,985.4	360.8	0.15	512.5	0.0		
						2008/9/7	29.6	941.0	0.510	7.2	308.6	134.9	309.6	1,325.2	1,065.1	2,162.6	368.6	0.10	588.8	0.0		
						Av.	28.8	924.0	0.500	7.1	296.2	112.3	257.3	1,201.2	1,181.0	2,155.5	349.8	0.28	564.4	0.0		
N3-TW	Ninh Thuan	Bac Son	109.06321	11.68137	18.6	2008/3/24	28.3	490.0	0.260	7.9	130.3	113.1	35.1	790.1	652.1	1,432.3	30.8	<0.01	353.9	0.0	2*10 ³	Drilled Well
						2008/6/22	30.1	416.0	0.210	8.2	60.1	65.6	34.1	420.1	676.8	1,226.7	27.6	0.01	134.2	0.0		
						2008/9/7	30.6	405.0	0.210	7.9	48.1	51.1	29.4	330.1	623.9	1,177.0	16.2	<0.01	128.1	0.0		
N3-04	Ninh Thuan	Bac Son	109.10042	11.65622	40.6	2007/9/13	29.6	35.1	0.020	5.4	40.1	8.5	4.2	135.0	58.2	47.9	18.5	0.01	256.3	0.0	22*10 ⁴	Dugwell
						2007/12/11	27.0	65.3	0.030	7.7	20.0	12.2	2.9	100.0	50.8	81.5	18.1	0.03	97.6	0.0	1.3*10 ⁴	
						Av.	28.3	50.2	0.025	6.5	30.1	10.3	3.5	117.5	54.5	64.7	18.3	0.02	177.0	0.0		
N4-01	Ninh Thuan	Phuoc Minh	108.89020	11.43862	30.9	2007/9/13	31.0	64.0	0.030	7.6	12.0	7.3	10.2	60.0	65.7	102.8	111.6	0.01	115.9	0.0	0.3*10 ⁴	Dugwell
						2007/12/10	25.2	54.3	0.030	7.8	16.0	9.1	18.1	77.5	76.5	95.7	14.4	0.01	137.3	0.0	22.7*10 ⁴	
						2008/3/24	26.6	44.1	0.020	7.3	16.0	2.4	10.0	50.0	65.5	88.6	11.8	<0.01	109.8	0.0	5.0*10 ⁴	
						2008/6/21	29.5	55.6	0.290	8.3	24.1	8.5	12.9	95.0	141.5	166.6	78.1	0.02	152.5	0.0		
						2008/9/6	31.9	80.7	0.040	8.0	16.0	7.3	10.5	70.0	148.1	187.9	72.2	<0.01	97.6	0.0		
N4-02	Ninh Thuan	Phuoc Minh	108.88998	11.43457	33.0	2007/9/13	29.9	345.0	0.200	7.0	64.1	29.2	21.8	280.0	1,145.6	1,531.6	202.1	<0.01	460.7	0.0	1*10 ⁴	Dugwell
						2007/12/10	27.1	438.0	0.230	8.0	52.1	19.5	18.6	210.0	865.1	1,134.5	192.6	0.01	408.8	0.0	7.0*10 ⁴	
						2008/3/24	27.7	556.0	0.290	8.2	70.1	25.5	19.1	280.0	943.0	1,325.9	205.4	<0.01	451.5	0.0	7.5*10 ⁴	
						2008/6/21	30.3	831.0	0.400	7.8	68.1	17.0	19.9	240.0	1,048.4	1,333.0	220.6	0.01	390.5	15.0		
						2008/9/6	30.0	630.0	0.330	8.3	72.1	31.6	14.2	310.1	964.8	1,403.9	160.1	0.03	402.7	24.0		
N4-TW	Ninh Thuan	Phuoc Minh	108.85868	11.44328	40.5	2007/9/13	29.9	560.0	0.290	7.9	65.3	24.6	18.7	264.0	993.4	1,345.8	196.2	0.02	422.8	7.8		
						2008/3/24	29.9	1,042.0	0.570	7.5	290.6	295.4	17.3	1,940.3	1,231.2	3,190.8	122.7	0.22	482.0	0.0	7.5*10 ⁴	Drilled Well
						2008/6/21	31.9	971.0	0.530	7.5	260.5	260.1	17.3	1,720.3	1,264.4	2,995.8	66.4	0.38	445.4	0.0		
						2008/9/6	32.1	906.0	0.490	7.4	240.5	248.0	8.9	1,620.3	1,150.7	2,765.3	57.3	0.15	396.6	0.0		
						Av.	31.3	973.0	0.530	7.4	263.9	267.8	14.5	1,760.3	1,215.4	2,984.0	82.1	0.25	441.4	0.0		
N4-03	Ninh Thuan	Phuoc Minh	108.88957	11.39038	11.0	2007/9/13	29.8	909.0	0.490	6.9	36.1	10.9	14.2	135.0	238.4	315.5	208.8	0.04	238.0	0.0	2.5*10 ⁴	Dugwell
						2007/12/10	26.9	137.4	0.070	6.6	32.1	14.6	16.3	140.0	208.0	244.6	73.8	0.05	241.0	0.0	0.3*10 ⁴	
						Av.	28.4	523.2	0.280	6.8	34.1	12.8	15.2	137.5	223.2	280.1	47.3	0.05	239.5	0.0	17.5*10 ⁴	
N4-04	Ninh Thuan	Phuoc Minh	108.89443	11.40153	21.1	2007/9/13	30.5	56.0	0.030	7.2	32.1	13.4	6.5	135.0	120.6	184.4	11.8	0.05	161.7	0.0	1*10 ⁴	Dugwell
						2007/12/10	28.4	64.5	0.030	6.5	14.0	9.7	7.4	75.0	110.9	127.6	33.1	0.03	82.4	0.0	22.5*10 ⁴	
						2008/3/24	28.6	145.7	0.070	6.7	60.1	29.2	11.0	270.0	148.7	347.4	33.8	0.03	122.0	0.0		
						2008/6/21	29.4	1,177.0	0.650	7.7	220.4	245.6	43.3	1,560.3	1,830.5	3,687.1	321.0	<0.01	115.9	0.0		
						2008/9/6	31.9	3,510.0	2.130	7.3	601.2	869.2	43.3	5,075.8	4,879.6	11,770.4	786.7	0.01	61.0	0.0		
N5-01	Ninh Thuan	Phuoc Dinh	108.97533	11.51518	6.8	2007/9/13	29.8	990.6	0.582	7.1	185.6	233.4	22.3	1,423.2	1,418.1	3,223.4	237.3	0.03	108.6	0.0		
						2007/12/10	24.1	166.2	0.000	8.0	96.2	40.1	14.4	405.1	185.8	616.9	63.0	0.03	192.2	9.0	0.2*10 ⁴	Dugwell
						2008/3/23	27.0	218.1	0.070	8.1	82.2	43.8	18.2	385.1	273.8	379.4	91.2	0.13	207.5	0.0	2.64*10 ⁴	
						2008/6/21	29.1	504.0	3.170	7.1	1,723.4	923.9	94.6	8,101.3	8,318.8	18,719.2	1,059.7	0.02	323.4	0.0	4*10 ²	Drilled Well
						2008/9/6	31.1	508.0	3.200	7.1	1,683.4	923.9	70.3	8,001.3	9,205.2	18,435.6	2,173.4	0.02	317.3	0.0		
N5-02	Ninh Thuan	Phuoc Dinh	108.96870	11.50670	10.9	2007/9/13	30.6	75.7	0.040	8.9	32.1	8.5	36.7	115.0	65.5	140.0	11.3	0.06	45.8	6.0	2*10 ⁴	Dugwell
						2007/12/10	26.5	124.5	0.060	7.8	60.1	20.7	86.5	235.0	86.6	195.0	60.2	0.03	106.8	0.0	2.44*10 ⁴	
						2008/3/23	31.7	92.6	0.050	8.2	44.1	10.9	48.8	155.0	70.7	191.5	51.0	0.02	67.1	0.0	36.6*10 ⁵	
						2008/6/21	30.9	116.1	0.060	8.7	56.1	12.2	45.6	190.0	77.7	230.4	22.7	0.06	42.7	12.0		
						2008/9/6	30.7	106.4	0.050	7.4	46.1	19.5	42.5	195.0	83.2	216.3	47.1	0.06	61.0	0.0		
N5-03	Ninh Thuan	Phuoc Dinh	108.96143	11.52262	10.0	2007/9/13	30.9	71.0	0.030	7.7	48.1	9.7	27.8	160.0	68.2	83.3	13.0	0.01	186.1	0.0	24*10 ⁴	Dugwell
						2007/12/10	29.6	88.8	0.040	7.6	52.1	14.6	29.4	190.0	83.2	127.6	44.7	0.03	210.5	0.0	1.32*10 ⁴	
						2008/3/23	29.9	87.9	0.040	7.7	60.1	10.9	33.0	195.0	63.2	120.5	41.7	0.03	195.3	0.0	10*10 ⁴	
						2008/6/21	30.4	82.9	0.040	7.6	52.1	9.7	28.9	170.0	65.5	117.0	17.8	0.01	183.1	0.0		
						2008/9/6	30.7	86.8	0.040	7.7	56.1	13.4	21.8	195.0	67.7	152.5	18.7	0.01	170.9	0.0		
N5-04	Ninh Thuan	Phuoc Dinh	108.97595	11.53327	5.0	2007/9/13	29.5	84.2	0.040	7.3	52.1	21.9	2.9	220.0	87.6	55.0	20.3	<0.01	402.7	0.0	0.5*10 ⁴	Dugwell
						2007/12/10	26.0	77.9	0.040	7.7	48.1	23.1	4.8	215.0	92.1	56.7	52.2	0.01	369.2	0.0	1.0*10 ⁴	
						2008/3/23	27.5	85.5	0.040	7.7	64.1	16.4	4.8	227.5	92.1	56.7	57.6	0.01	378.3	0.0	36.6*10 ⁵	
						2008/6/21	29.1	81.8	0.040	7.7	60.1	15.2	4.4	212.5	79.9	60.3	20.6	<0.01	366.1	0.0		
						2008/9/6	29.3	86.4	0.040	7.8	62.1	17.0	4.0	225.0	89.8	62.0	22.2	0.01	396.6	0.0		
N6-01	Ninh Thuan	Phuoc Hai	109.00540	11.41337	6.4	2007/9/13	30.5	180.1	0.090	8.1	84.2	29.2	37.2	330.1	195.2	223.4	57.4	0.02	299.0	9.0	4.1*10 ⁴	Drilled Well
						2007/12/10	29.3	182.5	0.090	7.7	104.2	26.7	48.0	370.1	216.3	248.2	205.2	0.04	341.7	0.0	25.0*10 ⁴	
						2008/3/23	29.6	161.7	0.080	7.8	76.2	62.0	63.0	445.1	195.2	354.5	172.6	0.01	323.4	0.0	35*10 ⁴	
						2008/6/21	30.6	131.9	0.070	7.7	64.1	15.8	26.2	255.0	138.7	173.0	58.4	0.03	299.0	0.0		
						2008/9/6	30.7	136.4	0.070	8.4	72.1	17.0	23.1	250.0	117.6	180.8	66.2	0.01	235.2	24.0		
N6-02	Ninh Thuan	Phuoc Hai	109.00270	11.41633	21.2	2007/9/13	32.7	44.6	0.020	7.4	6.0	2.4	6.5	25.0	65.7	42.5	14.0	0.01	128.1	0.0	0.4*10 ⁴	Drilled Well
						2007/12/10	30.6	45.3	0.020	7.9	8.0	3.7	7.4									

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commune	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO3/mg/l)	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
N6-03	Ninh Thuan	Phuoc Hai	109.01028	11.46720	6.6	2008/3/23	32.5	42.4	0.020	7.8	16.0	3.7	13.1	55.0	46.0	35.5	19.2	<0.01	131.2	0.0	2.5*10 ⁴	Dugwell
						2008/6/21	31.9	40.2	0.020	7.8	10.0	2.4	7.6	35.0	66.6	42.5	18.6	<0.01	128.1	0.0	0.0	
						2008/9/6	30.5	43.7	0.020	8.1	14.0	3.7	6.7	50.0	59.1	42.5	24.9	0.01	128.1	0.0	0.0	
						Av.	31.6	43.2	0.020	7.8	10.8	3.2	8.3	40.0	62.6	41.1	24.5	0.01	128.8	0.0	0.0	
						2007/9/14	30.5	105.4	0.050	8.5	44.1	41.3	15.5	280.0	89.8	113.5	41.6	0.05	292.9	21.0	0.4*10 ⁴	
2007/12/10	30.3	118.8	0.060	7.6	60.1	30.4	49.6	275.0	76.5	102.8	57.0	0.01	283.7	0.0	2.9*10 ⁴							
2008/3/23	29.1	103.6	0.050	8.0	48.1	48.6	13.1	320.1	58.2	106.4	70.7	0.01	286.8	0.0	25*10 ⁴							
2008/6/21	29.2	102.3	0.050	8.2	40.1	47.4	14.4	320.1	73.5	109.9	52.2	<0.01	302.0	0.0	0.0							
2008/9/6	30.3	107.3	0.050	8.2	48.1	48.6	12.3	320.1	73.2	117.0	59.6	0.01	311.2	0.0	0.0							
Av.	29.9	107.5	0.052	8.1	48.1	43.3	21.0	298.0	74.3	109.9	56.2	0.02	295.3	4.2	0.0							
N6-TW	Ninh Thuan	Phuoc Hai	108.99058	11.43236	58.0	2008/3/23	30.1	149.4	0.070	7.5	32.1	15.8	9.5	145.0	199.6	297.8	31.0	0.01	183.1	0.0	37.5*10 ⁴	Drilled Well
						2008/6/21	31.1	152.8	0.000	7.5	28.1	18.2	8.4	145.0	203.9	304.9	38.2	0.04	180.0	0.0	0.0	
						2008/9/6	31.1	144.1	0.070	7.5	32.1	12.2	6.9	130.0	196.9	283.6	46.5	0.01	170.9	0.0	0.0	
						Av.	30.8	148.8	0.047	7.5	30.7	15.4	8.3	140.0	200.2	295.4	38.6	0.02	178.0	0.0	0.0	
N6-04	Ninh Thuan	Phuoc Hai	109.00728	11.44528	7.6	2007/9/14	31.4	32.3	0.020	7.9	6.0	1.2	1.4	20.0	57.4	33.7	8.1	<0.01	106.8	0.0	0.3*10 ⁴	Drilled Well
						2007/12/10	28.1	92.0	0.050	8.1	56.1	14.6	66.1	200.0	106.8	184.4	57.8	<0.01	201.4	0.0	0.1*10 ⁴	
						Av.	29.8	62.2	0.035	8.0	31.1	7.9	33.7	110.0	82.1	109.0	33.0	<0.01	154.1	0.0	0.0	
B1-01	Binh Thuan	Muong Man	108.00657	10.97270	21.4	2007/9/11	28.9	332.0	0.170	7.2	50.1	29.2	11.0	245.0	599.0	464.4	170.1	<0.01	799.3	0.0	1.26*10 ⁴	Dugwell
						2007/12/4	25.0	244.0	0.120	7.4	56.1	19.5	15.5	220.0	388.3	304.9	51.0	0.02	741.4	0.0	1.2*10 ⁴	
						2008/3/4	29.5	363.0	0.190	7.4	78.2	49.8	2.5	400.1	624.5	531.8	133.4	<0.01	976.3	0.0	16.8*10 ³	
						2008/6/19	29.3	361.0	0.190	7.4	48.1	55.9	7.4	350.1	599.2	524.7	203.1	0.01	845.1	0.0	0.0	
						2008/9/4	29.1	328.0	0.170	7.4	70.1	47.4	5.9	370.1	532.5	475.1	181.6	<0.01	842.0	0.0	0.0	
Av.	28.4	325.0	0.168	7.4	60.5	40.4	8.4	317.1	548.7	460.2	147.8	0.02	840.8	0.0	0.0							
B1-02	Binh Thuan	Muong Man	107.98630	10.98132	27.2	2007/9/11	28.3	106.9	0.050	7.4	92.2	32.8	2.1	365.1	77.7	78.0	138.2	<0.01	405.8	0.0	1.0*10 ⁴	Drilled Well
						2007/12/4	25.0	159.3	0.080	7.5	14.0	3.7	2.7	50.0	321.8	127.6	26.0	0.01	640.7	0.0	0.6*10 ⁴	
						Av.	26.7	133.1	0.065	7.5	53.1	18.2	2.4	207.5	199.7	102.8	82.1	0.01	523.2	0.0	0.0	
B1-TW	Binh Thuan	Muong Man	108.00755	10.96756	19.5	2008/3/4	29.2	105.5	0.050	6.8	70.1	29.2	3.3	295.1	86.6	127.6	31.3	<0.01	360.0	0.0	2.5*10 ³	Drilled Well
						2008/6/19	30.7	109.4	0.050	7.5	64.1	31.6	2.9	290.1	87.6	125.9	20.1	<0.01	353.9	0.0	0.0	
						2008/9/4	30.6	100.0	0.050	8.0	60.1	29.2	2.9	270.0	81.0	127.6	52.5	<0.01	265.4	12.0	0.0	
						Av.	30.2	105.0	0.050	7.4	64.8	30.0	3.0	285.0	85.1	127.0	34.6	<0.01	326.4	4.0	0.0	
B1-03	Binh Thuan	Muong Man	108.00373	10.97168	22.4	2007/9/11	29.4	91.9	0.050	7.8	38.1	10.3	4.8	137.5	120.6	95.7	57.1	<0.01	326.4	0.0	19.5*10 ⁴	Dugwell
						2007/12/4	25.0	118.5	0.060	7.5	76.2	28.0	2.3	305.1	108.2	140.0	341.7	<0.01	341.7	0.0	0.84*10 ⁴	
						2008/4/3	31.9	111.2	0.050	7.2	86.2	34.0	1.8	355.1	89.9	109.9	18.8	0.01	479.0	0.0	37.5*10 ³	
						2008/6/19	30.2	117.5	0.060	6.8	68.1	45.0	3.1	355.1	97.6	120.5	17.6	<0.01	469.8	0.0	0.0	
						2008/9/4	29.3	111.9	0.060	6.8	78.2	40.1	1.6	360.1	84.3	111.7	19.5	<0.01	448.5	0.0	0.0	
Av.	29.2	110.2	0.056	7.2	69.3	31.5	2.7	302.6	100.1	115.6	26.0	0.01	413.1	0.0	0.0							
B1-04	Binh Thuan	Muong Man	108.00442	10.97362	22.9	2007/9/11	29.7	182.0	0.090	6.6	172.3	55.9	1.4	660.1	99.8	262.4	45.9	<0.01	662.0	0.0	1.5*10 ⁴	Drilled Well
						2007/12/4	25.0	175.2	0.090	7.5	140.3	43.8	1.2	530.1	111.5	235.8	17.6	<0.01	646.8	0.0	96	
						2008/3/4	28.6	187.3	0.090	7.3	151.3	63.8	2.1	640.1	122.1	262.4	26.2	<0.01	665.1	0.0	33.8*10 ³	
						2008/6/19	31.1	74.3	0.000	9.0	4.0	1.2	3.3	15.0	4.6	3.6	2.1	<0.01	33.6	0.0	0.0	
						2008/9/4	29.4	181.9	0.090	7.3	138.3	72.9	1.2	645.1	104.0	257.0	20.2	0.01	616.3	0.0	0.0	
Av.	28.8	160.1	0.072	7.5	121.2	47.5	1.8	498.1	88.4	204.2	22.4	0.01	524.7	0.0	0.0							
B2-01	Binh Thuan	Gia Huynh	107.61702	11.04813	124.8	2007/9/11	28.6	15.0	0.010	6.4	22.0	1.8	1.2	62.5	3.9	14.2	2.1	<0.01	85.4	0.0	0.09*10 ⁴	Dugwell
						2007/12/4	25.0	11.7	0.010	7.4	12.0	3.7	1.0	45.0	3.7	10.6	1.1	<0.01	61.0	0.0	0.05*10 ⁴	
						2008/3/4	27.6	11.9	0.010	6.4	16.0	6.1	2.9	65.0	2.9	10.6	1.2	<0.01	73.2	0.0	34.3*10 ³	
						2008/6/18	28.4	9.5	0.000	5.7	12.0	1.8	3.1	37.5	4.4	10.6	1.0	<0.01	48.8	0.0	0.0	
						2008/9/4	27.9	15.9	0.010	6.2	25.1	2.4	1.8	72.5	4.8	12.4	2.1	<0.01	82.4	0.0	0.0	
Av.	27.5	12.8	0.008	6.4	17.4	3.2	2.0	56.5	3.9	11.7	1.5	<0.01	70.2	0.0	0.0							
B2-02	Binh Thuan	Gia Huynh	107.54193	10.98575	118.1	2007/9/11	28.4	30.7	0.010	6.3	30.1	1.8	5.0	82.5	21.6	35.5	6.5	<0.01	106.8	0.0	3.75*10 ⁴	Dugwell
						2007/12/4	25.0	27.7	0.010	7.5	26.1	3.7	4.4	80.0	18.3	31.9	1.7	<0.01	100.7	0.0	7.5*10 ⁴	
						2008/3/4	29.0	20.8	0.010	6.2	18.0	3.7	4.2	60.0	17.2	31.9	1.7	<0.01	79.3	0.0	6.3*10 ³	
						2008/6/18	28.4	24.2	0.010	6.0	19.0	1.8	6.5	55.0	22.7	33.7	11.6	0.01	64.1	0.0	0.0	
						2008/9/4	27.4	27.8	0.010	5.9	23.1	1.2	6.1	62.5	23.0	37.2	8.2	<0.01	70.2	0.0	0.0	
Av.	27.6	26.2	0.010	6.4	23.2	2.4	5.2	68.0	20.6	34.0	5.9	0.01	84.2	0.0	0.0							
B2-TW	Binh Thuan	Gia Huynh	107.61388	11.04980	123.4	2008/3/4	28.2	35.7	0.020	7.2	44.1	7.3	6.5	140.0	18.0	8.9	1.4	<0.01	219.7	0.0	16.5*10 ³	Drilled Well
						2008/6/18	29.3	34.8	0.020	7.1	48.1	4.3	6.3	137.5	21.6	12.4	1.0	<0.01	213.6	0.0	0.0	
						2008/9/4	28.4	31.6	0.020	6.9	38.1	6.7	5.9	122.5	18.6	8.9	3.2	0.01	192.2	0.0	0.0	
						Av.	28.6	34.0	0.020	7.1	43.4	6.1	6.2	133.4	19.4	10.0	1.9	0.01	208.5	0.0	0.0	
B2-03	Binh Thuan	Gia Huynh	107.61527	11.05293	120.0	2007/9/11	28.3	28.0	0.010	6.3	27.1	1.8	5.9	75.0	22.2	31.9	15.9	<0.01	112.9	0.0	3*10 ⁴	Dugwell
						2007/12/4	25.0	21.9	0.010	7.4	18.0	3.7	4.4	60.0	16.9	21.3	1.2	<0.01	94.6	0.0	1.5*10 ⁴	
						Av.	26.7	25.0	0.010	6.8	22.5	2.7	5.1	67.5	19.6	26.6	8.6	<0.01	103.7	0.0	0.0	
B2-04	Binh Thuan	Gia Huynh	107.61777	11.01295	138.2	2007/9/11	26.8	15.9														

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commune	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO ₃ mg/l)	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
						2007/12/9	28.2	12.0	0.010	6.2	8.0	2.4	1.0	30.0	10.8	7.1	3.7	0.01	64.1	0.0	1.14*10 ⁴	
						2008/3/1	28.2	11.8	0.010	6.0	10.0	2.4	3.8	35.0	8.6	7.1	1.3	<0.01	64.1	0.0	33.6*10 ³	
						2008/6/19	29.1	12.3	0.010	5.8	10.0	1.8	2.3	32.5	12.2	8.9	1.3	<0.01	67.1	0.0		
						2008/9/3	28.6	12.6	0.010	5.9	12.0	1.2	1.6	35.0	11.7	8.9	3.1	<0.01	61.0	0.0		
						Av.	28.4	12.1	0.010	6.0	9.5	2.1	2.1	33.0	10.9	8.9	2.4	0.01	65.0	0.0		
B3-02	Binh Thuan	Nghie Duc	107.67555	11.22590	132.7	2007/9/11	28.9	13.9	0.010	6.4	15.0	2.4	3.1	47.5	10.8	8.9	<1.00	<0.01	91.5	0.0	0.04*10 ⁴	Drilled Well
						2007/12/9	28.3	13.4	0.010	6.2	10.0	7.3	2.3	55.0	9.2	7.1	3.3	0.01	85.4	0.0	0.17*10 ⁴	
						2008/3/3	28.3	13.3	0.010	6.4	14.0	4.9	5.5	55.0	8.6	7.1	<1	<0.01	85.4	0.0	56*10 ³	
						2008/6/19	28.7	13.0	0.010	6.3	12.0	3.7	2.1	45.0	11.1	7.1	2.5	<0.01	82.4	0.0		
						2008/9/3	28.6	13.2	0.010	6.1	12.0	3.7	2.7	45.0	10.6	7.1	2.9	<0.01	73.2	0.0		
B3-03	Binh Thuan	Nghie Duc	107.66885	11.22522	132.2	2007/9/11	29.6	7.6	0.000	5.0	2.0	0.6	2.7	7.5	11.4	19.5	1.1	<0.01	9.2	0.0	0.06*10 ⁴	Dugwell
						2007/12/9	29.0	7.3	0.000	5.2	2.0	1.8	2.3	12.5	10.8	17.7	5.7	0.01	12.2	0.0	0.35*10 ⁴	
						2008/3/3	28.5	7.6	0.000	5.3	2.0	1.2	4.4	10.0	7.7	16.0	1.1	<0.01	12.2	0.0	3.1*10 ³	
						2008/6/19	29.6	8.9	0.000	4.6	2.0	0.6	2.1	7.5	11.1	17.7	1.1	<0.01	12.2	0.0		
						2008/9/3	29.7	11.2	0.010	4.9	2.0	1.2	2.1	10.0	8.9	16.0	1.9	<0.01	6.1	0.0		
B3-TW	Binh Thuan	Nghie Duc	107.67623	11.22192	128.1	2007/9/11	29.3	8.5	0.002	5.0	2.0	1.1	2.7	9.5	10.0	17.4	2.2	0.01	10.4	0.0		Drilled Well
						2008/3/3	28.8	40.1	0.020	7.1	44.1	11.6	6.1	157.5	23.3	10.6	1.5	0.07	256.3	0.0	21.8*10 ³	
						2008/6/19	30.1	39.4	0.020	7.1	46.1	10.9	4.2	160.0	24.4	10.6	1.5	0.42	253.2	0.0		
						2008/9/3	29.5	39.6	0.020	7.1	52.1	8.5	2.9	165.0	23.8	10.6	1.9	<0.01	250.2	0.0		
						Av.	29.5	39.7	0.020	7.1	47.4	10.3	4.4	160.9	23.8	10.6	1.6	0.25	253.2	0.0		
B3-04	Binh Thuan	Nghie Duc	107.66422	11.23117	132.5	2007/9/11	28.4	9.2	0.000	4.9	3.0	0.6	2.9	10.0	13.9	24.8	1.6	<0.01	12.2	0.0	0.04*10 ⁴	Dugwell
						2007/12/9	27.6	9.8	0.000	5.1	3.0	1.8	2.9	15.0	12.5	21.3	7.3	0.01	12.2	0.0	0.15*10 ⁴	
						Av.	28.0	9.5	0.000	5.0	3.0	1.2	2.9	12.5	13.2	23.0	4.5	0.01	12.2	0.0		
B4-01	Binh Thuan	Tan Duc	107.58357	10.83532	66.7	2007/9/11	28.8	133.1	0.070	6.9	70.1	8.5	6.5	210.0	35.8	72.7	54.7	<0.01	219.7	0.0	0.2*10 ⁴	Dugwell
						2007/12/4	25.0	155.9	0.080	7.4	76.2	14.6	38.8	250.0	194.1	184.4	47.1	0.01	494.2	0.0	0.5*10 ⁴	
						2008/3/4	27.9	138.8	0.070	7.2	96.2	10.9	18.4	285.1	158.1	148.9	16.1	<0.01	530.9	0.0	33.6*10 ³	
						2008/6/19	29.4	143.1	0.070	7.0	80.2	15.8	27.8	265.0	188.6	182.6	86.8	0.01	439.3	0.0		
						2008/9/4	28.8	143.6	0.070	7.1	56.1	18.2	32.0	215.0	196.9	161.3	117.6	<0.01	414.9	0.0		
B4-02	Binh Thuan	Tan Duc	107.59533	10.84170	61.0	2007/9/11	28.0	125.6	0.060	6.9	88.2	13.4	1.4	275.0	166.4	67.4	27.8	<0.01	720.0	0.0	15.75*10 ⁴	Drilled Well
						2007/12/4	25.0	145.3	0.070	7.3	68.1	18.2	19.7	245.0	199.7	106.4	683.4	0.0	683.4	0.0	3.0*10 ⁴	
						Av.	27.5	135.5	0.065	7.1	78.2	15.8	10.5	260.0	183.1	86.9	22.0	0.1	701.7	0.0		
						2008/3/4	29.9	81.5	0.040	6.4	92.2	14.6	4.6	290.1	48.3	85.1	16.4	<0.01	329.5	0.0	1.5*10 ³	
						2008/6/19	30.7	81.0	0.040	6.9	84.2	19.5	2.1	209.1	47.1	85.1	24.3	<0.01	314.2	0.0		
B4-03	Binh Thuan	Tan Duc	107.59600	10.84065	57.4	2007/9/11	27.9	127.0	0.060	7.8	24.1	24.3	3.1	160.0	196.9	67.4	22.1	<0.01	726.1	0.0	1.41*10 ⁴	Dugwell
						2007/12/4	25.0	115.3	0.060	7.4	28.1	20.7	5.2	155.0	196.9	53.2	8.3	<0.01	646.8	0.0	1.0*10 ⁴	
						2008/3/4	28.1	164.0	0.080	7.6	68.1	21.9	6.1	260.0	305.2	88.6	19.2	0.01	921.4	0.0	1*10 ³	
						2008/6/19	28.7	73.3	0.040	8.2	36.1	12.2	19.4	140.0	85.4	44.3	52.5	0.01	283.7	0.0		
						2008/9/4	28.7	89.4	0.040	7.8	52.1	18.2	17.3	205.0	102.6	31.9	49.7	0.01	448.5	0.0		
B4-04	Binh Thuan	Tan Duc	107.58143	10.83398	70.2	2007/9/11	27.7	113.8	0.056	7.7	41.7	19.5	10.2	184.0	177.4	57.1	30.4	0.01	605.3	0.0		Drilled Well
						2007/12/4	27.8	64.8	0.030	7.5	54.1	15.8	48.8	200.0	160.9	159.5	99.0	<0.01	360.0	0.0	54*10 ⁴	
						2008/3/4	25.0	80.1	0.040	7.4	80.2	9.7	2.5	240.0	49.1	109.9	21.5	0.01	195.3	0.0	0.08*10 ⁴	
						2008/6/19	27.7	78.1	0.040	6.8	80.2	9.7	4.8	240.0	53.3	113.5	24.4	<0.01	195.3	0.0	1.3*10 ³	
						2008/9/4	29.0	61.1	0.030	6.8	60.1	7.3	4.4	180.0	39.4	81.5	25.5	0.01	158.6	0.0		
B5-01	Binh Thuan	Me Pu	107.61893	11.22787	120.2	2007/9/11	27.3	15.0	0.010	5.2	4.0	1.2	1.0	15.0	18.0	31.9	<1.00	<0.01	18.3	0.0	85*10 ⁴	Dugwell
						2007/12/9	26.3	13.6	0.010	5.2	4.0	1.2	1.2	15.0	19.7	31.9	2.6	0.01	9.2	0.0	0.12*10 ⁴	
						2008/3/3	26.5	16.1	0.010	5.2	4.0	1.2	4.4	15.0	18.9	31.9	<1	<0.01	18.3	0.0	37.5*10 ³	
						2008/6/18	29.2	15.5	0.010	4.9	5.0	1.2	1.8	17.5	21.1	33.7	1.0	0.01	15.3	0.0		
						2008/9/3	26.8	9.5	0.000	5.3	3.0	0.6	6.3	10.0	9.2	16.0	2.7	<0.01	15.3	0.0		
B5-02	Binh Thuan	Me Pu	107.62808	11.23762	119.6	2007/9/11	28.1	12.0	0.010	6.2	14.0	1.2	0.8	40.0	7.1	14.2	5.1	<0.01	58.0	0.0	7.5*10 ⁴	Dugwell
						2007/12/9	27.1	7.5	0.000	6.0	6.0	2.4	0.4	25.0	6.3	10.6	1.9	0.01	33.6	0.0	0.16*10 ⁴	
						2008/3/3	29.6	17.6	0.010	5.7	12.0	2.4	4.0	40.0	13.6	28.4	1.0	<0.01	36.6	0.0	62.5*10 ³	
						2008/6/18	28.6	12.6	0.010	6.0	11.0	2.4	1.2	37.5	10.8	17.7	2.6	0.05	48.8	0.0		
						2008/9/3	27.6	9.2	0.000	5.9	8.0	1.8	0.4	27.5	6.5	10.6	4.2	<0.01	33.6	0.0		
B5-TW	Binh Thuan	Me Pu	107.61547	11.23679	123.4	2008/3/3	29.2	37.5	0.020	7.2	28.1	4.9	9.2	90.0	16.6	7.1	1.3	<0.01	158.6	0.0	12.5*10 ³	Drilled Well
						2008/6/17	29.3	24.9	0.010	7.5	23.1	6.7	7.8	85.0	17.5	7.1	1.4	0.01	152.5	0.0		
						2008/9/3	28.6	25.5	0.010	6.9	24.1	8.5	4.8	95.0	19.1	8.9	3.3	<0.01	158.6	0.0		
						Av.	29.0	29.3	0.013	7.2	25.1	6.7	7.3	90.0	17.8	7.7	2.0	0.01	156.6	0.0		
						2007/9/11	27.7	9.3	0.000	5.1	3.0	0.6	5.9	10.0	10.6	21.3	2.5	<0.01	18.3	0.0	6.75*10 ⁴	
B5-03	Binh Thuan	Me Pu	107.61640	11.24230	128.0	2007/12/9	26.8	6.9	0.000	5.2	1.0	1.2	3.5	7.5	7.7	14.2	<1.00	<0.01	12.2	0.0	0.16*10 ⁴	Dugwell
						Av.	27.3	8.1	0.000	5.2	2.0	0.9	4.7	8.8	9.1	17.7	2.5	<0.01	15.3	0.0		

Table 6.1.3 Results of Water Quality Test on Existing Wells in 24 Target Communes

Point No.	Province	Commun	Longitude	Latitude	Altitude (m)	Sampling date	Temperature (°C)	EC (mS/m)	Salinity (%)	pH	Ca ²⁺ (mg/l)	Mg ²⁺ (mg/l)	K ⁺ (mg/l)	Hardness (CaCO ₃ mg/l)	Na ⁺ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	NO ₂ ⁻ (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	E.coli (CFU/100mL)	Type
B5-04	Binh Thuan	Me Pu	107.61540	11.23680	123.4	2007/9/11	28.3	34.5	0.020	4.3	9.0	4.3	17.6	40.0	27.8	67.4	2.7	<0.01	6.1	0.0	0.8*10 ⁴	Dugwell
						2007/12/9	27.6	41.1	0.020	4.4	7.0	6.7	21.8	45.0	33.3	76.2	1.2	<0.01	9.2	0.0	0.05*10 ⁴	
						2008/3/3	27.9	37.5	0.020	4.6	12.0	2.4	20.7	40.0	30.0	70.9	1.4	<0.01	12.2	0.0	10*10 ³	
						2008/6/18	29.0	45.9	0.020	4.1	12.0	3.7	21.0	45.0	31.1	76.2	1.9	0.01	6.1	0.0	0.0	
						2008/9/3	29.0	49.3	0.020	4.2	12.0	7.3	29.4	60.0	30.0	81.5	3.3	<0.01	0.0	0.0	0.0	
Av.	28.4	41.7	0.020	4.3	10.4	4.9	22.1	46.0	30.4	74.5	2.1	0.01	6.7	0.0	0.0							
B6-01	Binh Thuan	Sung Nhon	107.58078	11.25790	120.2	2007/9/11	28.2	30.4	0.010	5.6	16.0	3.7	10.0	55.0	26.1	51.4	8.3	<0.01	27.5	0.0	0.24*10 ⁴	Dugwell
						2007/12/9	27.2	20.8	0.010	5.5	6.0	4.9	6.5	35.0	19.4	40.8	1.2	<0.01	30.5	0.0	0.25*10 ⁴	
						Av.	27.7	25.6	0.010	5.5	11.0	4.3	8.2	45.0	22.7	46.1	4.8	<0.01	29.0	0.0	0.0	
B6-TW	Binh Thuan	Sung Nhon	107.58761	11.25144	117.4	2008/3/3	29.0	8.7	0.000	6.2	6.0	2.4	3.5	25.0	2.9	10.6	2.6	0.02	30.5	0.0	42.5*10 ³	Drilled Well
						2008/6/17	29.8	9.5	0.000	6.2	5.0	1.8	2.7	20.0	2.7	7.1	2.5	<0.01	24.4	0.0	0.0	
						2008/9/3	28.1	5.7	0.000	6.4	6.0	2.4	3.1	25.0	3.1	7.1	1.2	<0.01	27.5	0.0	0.0	
						Av.	29.0	7.9	0.000	6.3	5.7	2.2	3.1	23.3	2.9	8.3	2.1	0.02	27.5	0.0	0.0	
B6-02	Binh Thuan	Sung Nhon	107.58352	11.25592	118.0	2007/9/11	27.6	23.9	0.010	5.6	8.0	4.9	8.4	40.0	22.7	51.4	11.5	<0.01	24.4	0.0	1.8*10 ⁴	Dugwell
						2007/12/9	25.5	18.8	0.010	6.0	3.0	5.5	5.7	30.0	20.2	44.3	2.0	0.01	24.4	0.0	1.1*10 ⁴	
						2008/3/3	25.7	23.3	0.010	5.6	10.0	3.7	6.5	40.0	23.3	56.7	<1	<0.01	24.4	0.0	20*10 ³	
						2008/6/18	27.3	23.5	0.010	5.3	7.0	4.9	6.3	37.5	23.0	58.5	4.8	0.01	18.3	0.0	0.0	
						2008/9/3	27.2	22.2	0.010	5.8	8.0	4.9	8.4	40.0	20.5	55.0	1.3	<0.01	18.3	0.0	0.0	
Av.	26.7	22.3	0.010	5.7	7.2	4.7	7.1	37.5	22.0	53.2	4.9	0.01	22.0	0.0	0.0							
B6-03	Binh Thuan	Sung Nhon	107.58847	11.23347	119.9	2007/9/11	28.8	7.9	0.000	5.1	3.0	0.6	1.0	10.0	10.0	21.3	1.4	<0.01	12.2	0.0	0.088*10 ⁴	Dugwell
						2007/12/9	27.4	8.8	0.000	5.7	1.0	0.6	0.6	5.0	9.4	14.2	1.8	<0.01	9.2	0.0	1.54*10 ⁴	
						2008/3/3	26.9	6.3	0.000	5.5	2.0	1.2	2.1	10.0	6.1	14.2	1.4	<0.01	9.2	0.0	40*10 ³	
						2008/6/18	26.7	6.9	0.000	5.6	2.0	1.2	1.2	10.0	8.6	14.2	2.5	<0.01	9.2	0.0	0.0	
						2008/9/3	26.5	8.3	0.000	5.4	3.0	2.4	3.1	17.5	9.7	17.7	1.1	<0.01	12.2	0.0	0.0	
Av.	27.3	7.6	0.000	5.4	2.2	1.2	1.6	10.5	8.8	16.3	1.6	<0.01	10.4	0.0	0.0							
B6-04	Binh Thuan	Sung Nhon	107.59620	11.23733	120.6	2007/9/11	28.4	6.3	0.000	4.8	4.0	0.6	0.4	12.5	5.0	14.2	1.0	<0.01	9.2	0.0	0.62*10 ⁴	Dugwell
						2007/12/9	28.6	4.7	0.000	5.1	3.0	1.2	0.6	12.5	5.4	10.6	1.0	<0.01	12.2	0.0	0.45*10 ⁴	
						2008/3/3	26.2	5.4	0.000	5.7	2.0	1.8	1.2	12.5	5.6	12.4	1.8	<0.01	12.2	0.0	82.5*10 ³	
						2008/6/18	30.1	5.6	0.000	5.1	2.0	1.2	1.0	10.0	7.5	12.4	2.7	0.01	9.2	0.0	0.0	
						2008/9/3	28.4	5.6	0.000	4.8	3.0	0.6	0.6	10.0	4.6	8.9	1.9	<0.01	6.1	0.0	0.0	
Av.	28.3	5.5	0.000	5.1	2.8	1.1	0.7	11.5	5.6	11.7	1.7	0.01	9.8	0.0	0.0							
B7-01	Binh Thuan	Da Kai	107.55435	11.27343	125.8	2007/9/11	29.1	4.1	0.000	5.1	3.0	1.8	0.4	15.0	2.1	14.2	<1.00	<0.01	9.2	0.0	3*10 ⁴	Dugwell
						2007/12/9	28.3	4.4	0.000	5.6	3.0	1.2	0.4	12.5	1.6	8.9	1.1	<0.01	9.2	0.0	40	
						2008/3/3	27.8	4.8	0.000	6.3	4.0	1.2	0.6	15.0	2.0	7.1	1.6	<0.01	12.2	0.0	70*10 ³	
						2008/6/17	28.3	5.4	0.000	5.5	4.0	1.2	0.6	15.0	4.0	7.1	2.0	<0.01	12.2	0.0	0.0	
						2008/9/3	28.5	4.2	0.000	5.2	3.0	1.8	0.6	15.0	1.6	7.1	2.0	<0.01	9.2	0.0	0.0	
Av.	28.4	4.6	0.000	5.5	3.4	1.5	0.5	14.5	2.3	8.9	1.7	<0.01	10.4	0.0	0.0							
B7-02	Binh Thuan	Da Kai	107.52523	11.26733	119.6	2007/9/11	27.7	5.0	0.000	5.2	3.0	1.2	1.2	12.5	4.4	17.7	1.5	<0.01	18.3	0.0	8*10 ⁴	Drilled Well
						2007/12/9	28.1	5.1	0.000	5.3	2.0	1.2	0.8	10.0	5.0	10.6	1.4	<0.01	15.3	0.0	400	
						2008/3/3	27.7	5.1	0.000	6.3	2.0	2.4	1.2	15.0	3.9	10.6	2.2	<0.01	15.3	0.0	5.5*10 ³	
						2008/6/18	27.5	6.3	0.000	5.1	4.0	2.4	1.0	20.0	5.8	12.4	1.4	<0.01	15.3	0.0	0.0	
						2008/9/3	27.7	5.8	0.000	5.0	3.0	1.8	1.0	15.0	4.0	10.6	2.2	<0.01	15.3	0.0	0.0	
Av.	27.7	5.5	0.000	5.4	2.8	1.8	1.0	14.5	4.6	12.4	1.7	<0.01	15.9	0.0	0.0							
B7-03	Binh Thuan	Da Kai	107.53157	11.27605	119.7	2007/9/11	28.8	9.5	0.000	6.1	6.0	1.8	3.3	22.5	9.4	7.1	2.4	<0.01	51.9	0.0	2.25*10 ⁴	Drilled Well
						2007/12/9	28.3	7.6	0.000	6.2	4.0	3.0	3.3	22.5	10.0	5.3	1.6	<0.01	54.9	0.0	600	
						2008/3/3	28.4	8.7	0.000	6.1	6.0	2.4	3.3	25.0	10.0	5.3	1.7	<0.01	54.9	0.0	1.8*10 ³	
						2008/6/18	26.8	24.3	0.010	5.7	10.0	2.4	4.6	35.0	16.1	16.0	1.0	0.15	54.9	0.0	0.0	
						2008/9/3	32.0	11.3	0.010	6.0	10.0	3.0	5.5	37.5	13.1	12.4	3.1	0.22	64.1	0.0	0.0	
Av.	28.9	12.3	0.004	6.0	7.2	2.6	4.0	28.5	11.7	9.2	1.9	0.19	56.1	0.0	0.0							
B7-04	Binh Thuan	Da Kai	107.56305	11.26657	128.8	2007/9/11	28.4	16.3	0.010	6.1	5.0	1.2	1.0	17.5	21.6	26.6	1.2	<0.01	42.7	0.0	7.5*10 ⁴	Drilled Well
						2007/12/9	24.8	25.7	0.010	5.4	15.0	4.3	1.8	55.0	28.3	37.2	6.8	0.01	76.3	0.0	0.66*10 ⁴	
						Av.	26.6	21.0	0.010	5.7	10.0	2.7	1.4	36.3	25.0	31.9	4.0	0.01	59.5	0.0	0.0	
B7-TW	Binh Thuan	Da Kai	107.53850	11.27367	122.6	2008/3/3	30.2	14.9	0.010	6.5	16.0	7.9	1.8	72.5	4.0	14.2	3.2	0.01	73.2	0.0	12.5*10 ³	Drilled Well
						2008/6/17	30.1	14.1	0.010	6.3	16.0	3.7	3.1	55.0	5.4	14.2	2.0	<0.01	58.0	0.0	0.0	
						2008/9/3	29.8	11.2	0.010	5.9	11.0	4.3	1.0	45.0	4.0	12.4	2.1	<0.01	45.8	0.0	0.0	
						Av.	30.0	13.4	0.010	6.2	14.4	5.3	2.0	57.5	4.5	13.6	2.4	0.01	59.0	0.0	0.0	

DATA 7

SEAWATER INTRUSION SURVEY

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
1	PY_001	10-Aug-07	13.62403	109.22858	Phú Yên	Thôn 3 - Xuân Hải - Sông Cầu	-999.0	13.0	0.50	0.17	-999.000	29.6	13.1	0.01	6.3	Drill
2	PY_002	10-Aug-07	13.62429	109.22858	Phú Yên	Thôn 3 - Xuân Hải - Sông Cầu	-999.0	13.0	0.40	0.20	-999.000	28.3	10.1	0.00	7.1	Drill
3	PY_003	10-Aug-07	13.62021	109.23545	Phú Yên	Thôn 5 - Xuân Hải - Sông Cầu	-999.0	15.0	0.40	0.20	-999.000	29.2	5.9	0.00	5.2	Drill
4	PY_004	10-Aug-07	13.60159	109.23583	Phú Yên	Thôn 5 - Xuân Hải - Sông Cầu	-999.0	15.0	0.40	0.20	-999.000	29.7	5.9	0.00	6.1	Drill
5	PY_005	10-Aug-07	13.60532	109.21981	Phú Yên	Diên Trường - Sông Cầu	3.7	4.5	0.45	0.50	0.035	29.8	5.0	0.00	5.9	Dug
6	PY_006	10-Aug-07	13.60540	109.22011	Phú Yên	Diên Trường - Sông Cầu	-999.0	-999.0	-999.00	-999.00	-999.000	29.6	6.3	0.01	8.2	Drill
7	PY_007	10-Aug-07	13.58610	109.20953	Phú Yên	Bình Thành - Sông Cầu	3.0	4.0	0.45	0.64	0.035	29.2	16.6	0.01	6.4	Dug
8	PY_008	10-Aug-07	13.58635	109.20954	Phú Yên	Thọ Lộc - Sông Cầu	-999.0	-999.0	-999.00	-999.00	-999.000	28.4	12.4	0.01	5.8	Drill
9	PY_009	10-Aug-07	13.60503	109.19333	Phú Yên	Mỹ Lộc - Sông Cầu	1.4	4.0	0.55	0.65	0.040	28.1	92.4	0.05	6.1	Dug
10	PY_010	10-Aug-07	13.60490	109.19321	Phú Yên	Mỹ Lộc - Sông Cầu	2.5	4.1	0.40	0.55	0.035	28.8	269.0	0.14	6.5	Dug
11	PY_011	11-Aug-07	13.56196	109.20489	Phú Yên	Bình Thành Nam - Sông Cầu	4.3	7.2	0.80	0.70	0.020	28.2	27.1	0.01	6.4	Dug
12	PY_012	11-Aug-07	13.56164	109.20456	Phú Yên	Bình Thành Nam - Sông Cầu	5.3	8.0	0.50	0.60	0.030	28.6	79.6	0.04	7.0	Dug
13	PY_013	10-Aug-07	13.64102	109.18243	Phú Yên	Long Thành - Sông Cầu	5.0	15.0	0.03	0.60	0.020	27.8	19.6	0.01	5.6	Dug
14	PY_014	10-Aug-07	13.64088	109.18295	Phú Yên	Long Thành - Sông Cầu	-999.0	7.0	0.40	0.20	-999.000	27.9	12.5	0.01	5.7	Dug
15	PY_015	10-Aug-07	13.52154	109.24481	Phú Yên	Hoà Hiệp - Sông Cầu	7.9	10.3	0.40	0.55	0.030	30.3	40.3	0.02	6.2	Dug
16	PY_016	10-Aug-07	13.52151	109.24470	Phú Yên	Hoà Hiệp - Sông Cầu	-999.0	10.0	0.40	0.20	-999.000	28.3	87.1	0.04	8.2	Drill
17	PY_017	10-Aug-07	13.51415	109.26771	Phú Yên	Phủ Dương - Sông Cầu	-999.0	7.0	0.50	0.10	-999.000	27.6	23.6	0.01	6.7	Drill
18	PY_018	10-Aug-07	13.51286	109.26950	Phú Yên	Phủ Dương - Sông Cầu	1.9	4.0	0.50	0.62	0.020	28.9	26.4	0.01	6.3	Dug
19	PY_019	10-Aug-07	13.49017	109.28398	Phú Yên	Phủ Dương - Sông Cầu	3.8	6.2	0.80	0.82	0.020	29.6	25.4	0.01	6.0	Dug
20	PY_020	10-Aug-07	13.49018	109.28399	Phú Yên	Phủ Dương - Sông Cầu	2.1	4.5	1.00	0.82	0.020	28.5	30.3	0.01	6.5	Dug
21	PY_021	10-Aug-07	13.45330	109.22051	Phú Yên	Long Hải Nam - Sông Cầu	4.0	6.3	0.30	0.60	0.020	28.5	85.9	0.04	6.8	Dug
22	PY_022	10-Aug-07	13.45389	109.21957	Phú Yên	Long Hải Nam - Sông Cầu	2.8	4.3	0.35	1.50	0.050	28.5	103.5	0.05	7.3	Dug
23	PY_023	10-Aug-07	13.46156	109.20657	Phú Yên	Long Bình - Sông Cầu	5.3	7.2	0.35	0.60	0.035	28.3	25.9	0.01	7.0	Dug
24	PY_024	10-Aug-07	13.46137	109.20515	Phú Yên	Long Bình - Sông Cầu	3.6	5.7	0.30	0.70	0.040	27.5	23.0	0.01	7.0	Dug
25	PY_025	10-Aug-07	13.46953	109.18868	Phú Yên	Bình Đông - Sông Cầu	6.5	8.2	0.35	0.65	0.020	27.9	43.5	0.02	6.7	Dug
26	PY_026	10-Aug-07	13.47036	109.18840	Phú Yên	Bình Đông - Sông Cầu	1.8	6.5	0.45	0.40	0.020	29.0	13.9	0.01	5.8	Dug
27	PY_027	10-Aug-07	13.41441	109.21359	Phú Yên	Chánh Nam - Sông Cầu	2.2	4.3	0.65	0.72	0.020	28.9	131.3	0.07	6.5	Dug
28	PY_028	10-Aug-07	13.41425	109.21311	Phú Yên	Chánh Nam - Sông Cầu	3.4	5.5	0.75	0.55	0.020	29.5	98.3	0.05	7.2	Dug
29	PY_029	10-Aug-07	13.39378	109.21313	Phú Yên	Tân Thành - Sông Cầu	2.0	4.8	0.80	0.70	0.020	29.0	450.0	0.24	7.2	Dug
30	PY_030	10-Aug-07	13.39441	109.21342	Phú Yên	Tân Thành - Sông Cầu	2.1	3.5	0.35	0.65	0.020	29.0	173.0	0.09	6.8	Dug
31	PY_031	10-Aug-07	13.38260	109.23782	Phú Yên	An Thạnh - Sông Cầu	1.9	2.5	0.01	1.60	0.500	28.2	35.3	0.02	6.4	Dug
32	PY_032	10-Aug-07	13.38248	109.23780	Phú Yên	An Thạnh - Sông Cầu	2.2	3.0	0.01	1.00	0.450	28.6	34.3	0.02	6.4	Dug
33	PY_033	10-Aug-07	13.37897	109.23289	Phú Yên	Mỹ Lương - Sông Cầu	1.3	3.5	0.35	0.65	0.020	28.2	63.5	0.03	6.7	Dug
34	PY_034	10-Aug-07	13.37853	109.23282	Phú Yên	Mỹ Lương - Sông Cầu	5.4	7.5	0.70	1.00	0.025	27.0	53.4	0.03	7.3	Dug
35	PY_035	10-Aug-07	13.34237	109.26533	Phú Yên	Thôn 5 - An Ninh Đông	2.3	4.2	1.00	0.57	0.020	28.1	172.5	0.09	7.1	Dug
36	PY_036	10-Aug-07	13.34231	109.26537	Phú Yên	Thôn 5 - An Ninh Đông	2.5	4.6	0.70	0.70	0.040	29.2	234.0	0.12	7.1	Dug
37	PY_037	10-Aug-07	13.33781	109.24070	Phú Yên	Thôn 1 - An Ninh Tây	2.7	5.5	0.45	0.82	0.060	28.4	83.8	0.04	6.5	Dug
38	PY_038	10-Aug-07	13.33764	109.24036	Phú Yên	Thôn 1 - An Ninh Tây	2.0	6.1	0.40	0.70	0.020	28.4	39.6	0.02	6.5	Dug
39	PY_039	10-Aug-07	13.33155	109.21889	Phú Yên	Hội Tân - An Thạnh	2.8	5.1	0.58	0.60	0.020	29.8	27.1	0.01	6.4	Dug
40	PY_040	10-Aug-07	13.33159	109.21890	Phú Yên	Hội Tân - An Thạnh	4.1	5.5	0.55	0.60	0.020	29.0	18.1	0.01	6.5	Dug
41	PY_041	10-Aug-07	13.31979	109.21599	Phú Yên	Trường Xuân - Tuy An	3.1	4.6	1.00	0.60	0.020	29.0	158.7	0.08	6.5	Dug
42	PY_042	10-Aug-07	13.31911	109.21519	Phú Yên	Trường Xuân - Tuy An	1.8	5.0	0.80	0.62	0.020	28.1	75.0	0.04	6.7	Dug
43	PY_043	9-Aug-07	13.29525	109.22837	Phú Yên	Chí Đức - Chí Thiện	1.2	3.6	0.65	0.97	0.070	30.3	177.3	0.09	7.3	Dug
44	PY_044	9-Aug-07	13.29563	109.22793	Phú Yên	Chí Đức - Chí Thiện	2.1	4.2	0.80	0.87	0.040	29.5	347.0	0.18	7.5	Dug
45	PY_045	9-Aug-07	13.31253	109.19958	Phú Yên	Hầu - Tuy An	3.6	4.6	0.70	0.80	0.020	29.3	31.5	0.02	5.7	Dug
46	PY_046	9-Aug-07	13.31188	109.19914	Phú Yên	Hầu - Tuy An	10.0	11.0	0.50	0.80	0.020	28.8	21.5	0.01	5.5	Dug
47	PY_047	9-Aug-07	13.29727	109.19754	Phú Yên	Phong Thành - Chí Thiện	1.1	3.3	0.65	0.75	0.037	29.2	24.5	0.01	6.3	Dug
48	PY_048	9-Aug-07	13.29708	109.19765	Phú Yên	Phong Thành - Chí Thiện	1.8	2.7	0.75	0.76	0.030	29.5	14.1	0.01	5.6	Dug
49	PY_049	9-Aug-07	13.31768	109.18481	Phú Yên	Định Trung 2 - Tuy An	9.8	13.0	0.50	0.80	0.035	28.0	106.0	0.05	6.7	Dug
50	PY_050	9-Aug-07	13.31768	109.18498	Phú Yên	Định Trung 2 - Tuy An	7.3	9.8	0.25	0.70	0.025	29.5	67.5	0.03	6.7	Dug
51	PY_051	9-Aug-07	13.30131	109.16142	Phú Yên	Trung Lương 1 - Tuy An	2.2	6.2	0.75	0.76	0.025	29.7	407.0	0.21	7.3	Dug
52	PY_052	9-Aug-07	13.30094	109.16149	Phú Yên	Trung Lương 1 - Tuy An	2.6	7.5	0.95	0.74	0.025	29.4	77.5	0.04	7.0	Dug
53	PY_053	9-Aug-07	13.34094	109.15291	Phú Yên	Tân Vinh - Xuân Sơn Nam	1.6	3.2	0.80	0.70	0.020	29.3	48.1	0.02	6.4	Dug
54	PY_054	9-Aug-07	13.34071	109.15300	Phú Yên	Tân Vinh - Xuân Sơn Nam	1.1	4.1	0.60	0.70	0.035	28.0	86.4	0.04	6.7	Dug
55	PY_055	9-Aug-07	13.39144	109.10598	Phú Yên	Long Bình - La Hai	3.2	9.0	0.55	0.80	0.030	29.3	72.0	0.04	6.0	Dug
56	PY_056	9-Aug-07	13.39116	109.10584	Phú Yên	Long Bình - La Hai	3.4	8.5	0.65	0.70	0.030	29.0	20.4	0.01	5.9	Dug
57	PY_057	9-Aug-07	13.34843	109.09249	Phú Yên	Phước Lộc - Xuân Quang 3	1.4	8.0	0.37	0.97	0.065	29.8	43.8	0.02	6.8	Dug
58	PY_058	9-Aug-07	13.34857	109.09271	Phú Yên	Phước Lộc - Xuân Quang 3	2.8	7.9	0.65	0.95	0.020	28.3	72.1	0.03	7.0	Dug
59	PY_059	9-Aug-07	13.30044	109.07110	Phú Yên	Phước Hoà - Xuân Phước	3.2	7.4	0.55	1.00	0.030	28.7	94.5	0.05	7.7	Dug
60	PY_060	9-Aug-07	13.30089	109.07141	Phú Yên	Phước Hoà - Xuân Phước	3.8	8.2	0.65	0.70	0.025	29.0	100.1	0.05	7.4	Dug
61	PY_061	11-Aug-07	13.23173	109.28512	Phú Yên	Tân An - Tuy An	2.8	5.8	0.50	0.65	0.030	29.1	128.8	0.06	7.1	Dug
62	PY_062	11-Aug-07	13.23148	109.28518	Phú Yên	Tân An - Tuy An	2.8	4.0	0.00	1.20	0.020	30.5	498.0	0.26	7.3	Dug
63	PY_063	11-Aug-07	13.19197	109.28682	Phú Yên	Phủ Phong - Tuy An	1.4	4.0	0.35	0.70	0.040	29.3	164.5	0.08	7.5	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
64	PY_064	11-Aug-07	13.19190	109.28657	Phú Yên	Phú Phong - Tuy An	1.8	3.9	0.45	0.35	0.015	28.9	125.6	0.06	7.4	Dug
65	PY_065	11-Aug-07	13.16532	109.28837	Phú Yên	Xuân Dục - Tuy An	2.8	7.2	0.35	0.80	0.030	29.0	58.6	0.02	6.8	Dug
66	PY_066	11-Aug-07	13.16499	109.28833	Phú Yên	Xuân Dục - Tuy An	2.8	6.0	0.45	0.60	0.030	29.0	57.8	0.03	7.2	Dug
67	PY_067	11-Aug-07	13.21203	109.28688	Phú Yên	Giới Sơn - Tuy An	4.2	6.5	0.60	0.50	0.025	29.8	55.1	0.03	6.6	Dug
68	PY_068	11-Aug-07	13.21184	109.28693	Phú Yên	Giới Sơn - Tuy An	4.3	6.5	0.70	0.50	0.030	30.0	95.6	0.05	6.9	Dug
69	PY_069	11-Aug-07	13.21110	109.26802	Phú Yên	Hoà Đa - Tuy An	3.6	5.5	0.35	1.20	0.030	28.7	82.1	0.04	7.0	Dug
70	PY_070	11-Aug-07	13.21161	109.26761	Phú Yên	Hoà Đa - Tuy An	4.5	6.7	0.30	1.80	0.025	29.1	55.1	0.03	6.8	Dug
71	PY_071	11-Aug-07	13.24212	109.25679	Phú Yên	Phong Phú - Tuy An	2.3	4.5	0.55	0.50	0.030	29.5	336.0	0.17	7.1	Dug
72	PY_072	11-Aug-07	13.24612	109.25556	Phú Yên	Mỹ Phú 2 - Tuy An	3.3	7.5	0.40	2.00	0.035	28.8	135.9	0.07	7.5	Dug
73	PY_073	6-Aug-07	13.11484	109.29422	Phú Yên	P9- Liên Trì	6.5	8.0	0.40	0.85	0.060	25.0	247.0	0.01	7.4	Dug
74	PY_074	6-Aug-07	13.11467	109.29601	Phú Yên	P9- Liên Trì	5.4	6.3	0.90	0.95	0.060	26.7	33.2	0.02	6.6	Dug
75	PY_075	6-Aug-07	13.11001	109.24673	Phú Yên	Hòa Kiến	2.1	8.0	0.87	1.00	0.110	27.5	172.0	0.09	7.0	Dug
76	PY_076	6-Aug-07	13.11011	109.24689	Phú Yên	Hòa Kiến	2.5	4.0	0.67	0.83	0.040	28.3	127.8	0.06	7.0	Dug
77	PY_077	6-Aug-07	13.13434	109.21906	Phú Yên	Hòa Kiến	3.9	5.2	0.60	0.70	0.040	28.0	31.3	0.02	6.2	Dug
78	PY_078	6-Aug-07	13.13435	109.21976	Phú Yên	Hòa Kiến	7.9	9.0	0.73	1.05	0.090	27.8	99.0	0.05	6.8	Dug
79	PY_079	6-Aug-07	13.08384	109.28250	Phú Yên	Hòa Trì	6.0	8.0	0.03	0.06	-999.000	28.5	65.3	0.03	6.3	Drill
80	PY_080	6-Aug-07	13.08359	109.28221	Phú Yên	Hòa Trì	6.0	8.0	0.03	0.06	-999.000	29.0	64.3	0.03	6.0	Drill
81	PY_081	6-Aug-07	13.08464	109.25083	Phú Yên	Hòa Trì	1.9	3.7	0.73	1.08	0.070	29.0	127.0	0.06	6.8	Dug
82	PY_082	6-Aug-07	13.08443	109.25091	Phú Yên	Hòa Trì	1.8	9.0	0.63	0.80	0.080	29.4	143.9	0.07	6.8	Dug
83	PY_083	6-Aug-07	13.08151	109.21231	Phú Yên	Hòa Quang Bắc	5.4	5.8	0.43	0.80	0.050	29.0	18.2	0.01	7.1	Dug
84	PY_084	6-Aug-07	13.08243	109.21027	Phú Yên	Hòa Quang Bắc	3.3	4.4	0.40	0.80	0.040	29.5	22.0	0.01	5.8	Dug
85	PY_085	5-Aug-07	13.07613	109.28495	Phú Yên	Hòa An	6.1	7.5	0.50	1.00	0.060	25.0	43.2	0.02	6.8	Dug
86	PY_086	5-Aug-07	13.07584	109.28497	Phú Yên	Hòa An	8.0	9.5	0.55	0.85	0.040	27.3	77.3	0.04	6.2	Dug
87	PY_087	5-Aug-07	13.04936	109.24827	Phú Yên	Hòa Thắng	14.0	22.0	-999.000	-999.000	-999.000	25.7	91.1	0.04	6.6	Drill
88	PY_088	5-Aug-07	13.04928	109.24831	Phú Yên	Hòa Thắng	8.0	9.0	0.12	0.06	-999.000	25.1	31.0	0.01	6.4	Dug
89	PY_089	5-Aug-07	13.02534	109.22194	Phú Yên	Hòa Đình Đông	3.9	5.0	0.82	0.90	0.050	27.2	64.8	0.03	6.2	Dug
90	PY_090	5-Aug-07	13.02538	109.22173	Phú Yên	Hòa Đình Đông	3.6	5.0	0.90	1.10	0.180	25.2	31.0	0.01	6.3	Dug
91	PY_091	5-Aug-07	13.01337	109.14455	Phú Yên	Phú Sang Đông	2.9	4.5	0.65	0.89	0.040	27.1	14.2	0.01	5.7	Dug
92	PY_092	5-Aug-07	13.01353	109.14417	Phú Yên	Phú Sang Đông	3.9	5.0	0.92	0.72	0.050	27.4	14.8	0.01	5.7	Dug
93	PY_093	5-Aug-07	13.04227	109.09982	Phú Yên	Phong Hậu	4.8	10.7	0.67	0.94	0.070	24.9	80.6	0.04	6.6	Dug
94	PY_094	5-Aug-07	13.04241	109.09965	Phú Yên	Phong Hậu	6.5	10.8	0.80	0.94	0.060	26.4	150.6	0.07	6.8	Dug
95	PY_095	9-Aug-07	13.05498	109.31219	Phú Yên	Phú Lâm	7.7	11.0	0.47	0.96	0.080	29.1	44.6	0.02	6.4	Dug
96	PY_096	9-Aug-07	13.05512	109.31209	Phú Yên	Phú Lâm	7.8	10.0	0.77	1.05	0.100	28.8	55.9	0.03	5.6	Dug
97	PY_097	8-Aug-07	13.02281	109.27862	Phú Yên	Hòa Bình 1	3.0	5.0	0.55	1.07	0.110	28.1	47.0	0.02	6.7	Dug
98	PY_098	8-Aug-07	13.02272	109.27832	Phú Yên	Hòa Bình 1	2.2	5.0	0.50	95.00	0.110	28.5	42.9	0.02	6.8	Dug
99	PY_099	8-Aug-07	13.00346	109.23010	Phú Yên	Hòa Bình 2	3.2	6.0	0.70	0.97	0.080	28.0	102.5	0.05	6.8	Dug
100	PY_100	8-Aug-07	13.00360	109.22913	Phú Yên	Hòa Bình 2	2.1	4.0	0.63	0.83	0.120	28.0	101.8	0.05	7.0	Dug
101	PY_101	8-Aug-07	12.99338	109.19022	Phú Yên	Hòa Phong	1.7	3.6	0.63	0.87	0.040	29.0	38.5	0.02	6.7	Dug
102	PY_102	8-Aug-07	12.99303	109.18884	Phú Yên	Hòa Phong	1.9	4.0	0.63	1.00	0.120	27.1	72.7	0.04	7.0	Dug
103	PY_103	7-Aug-07	12.98044	109.15640	Phú Yên	Hòa Phú	2.5	7.8	0.80	1.05	0.100	28.1	194.4	0.10	6.9	Dug
104	PY_104	7-Aug-07	12.98029	109.15567	Phú Yên	Hòa Phú	2.0	8.0	0.70	0.95	0.100	28.7	42.3	0.02	6.9	Dug
105	PY_105	7-Aug-07	12.98321	109.09670	Phú Yên	Sơn Thành Đông	17.1	18.5	0.70	1.30	0.120	28.3	18.7	0.01	6.9	Dug
106	PY_106	7-Aug-07	12.98274	109.09481	Phú Yên	Sơn Thành Đông	16.6	20.0	0.57	1.37	0.120	28.1	14.8	0.01	8.1	Dug
107	PY_107	7-Aug-07	12.98746	109.23293	Phú Yên	Hòa Đông	2.2	4.0	0.62	0.84	0.100	27.5	25.8	0.01	6.1	Dug
108	PY_108	7-Aug-07	12.98679	109.23254	Phú Yên	Hòa Đông	2.3	4.0	0.60	0.90	0.100	28.0	34.9	0.02	6.2	Dug
109	PY_109	7-Aug-07	12.96537	109.21486	Phú Yên	Hòa Mỹ Đông	2.7	5.0	0.60	0.90	0.100	29.3	19.2	0.01	7.0	Dug
110	PY_110	7-Aug-07	12.96513	109.21424	Phú Yên	Hòa Mỹ Đông	2.8	4.5	0.50	0.90	0.040	27.9	70.3	0.03	6.5	Dug
111	PY_111	9-Aug-07	12.99810	109.32729	Phú Yên	Hòa Vinh	2.9	7.0	0.36	0.90	0.060	28.3	64.7	0.03	7.4	Dug
112	PY_112	9-Aug-07	12.99960	109.32867	Phú Yên	Hòa Vinh	3.0	9.0	0.90	0.92	0.050	28.3	93.4	0.05	7.5	Dug
113	PY_113	8-Aug-07	12.99654	109.25969	Phú Yên	Hòa Tân Tây	1.7	4.5	0.67	0.70	0.170	29.6	41.4	0.02	6.5	Dug
114	PY_114	8-Aug-07	12.99650	109.25781	Phú Yên	Hòa Tân Tây	2.5	6.0	0.70	0.93	0.070	29.2	22.3	0.01	7.4	Dug
115	PY_115	7-Aug-07	12.92580	109.23808	Phú Yên	Hòa Thịnh	1.3	3.0	0.05	0.90	0.050	28.5	62.0	0.03	7.7	Dug
116	PY_116	7-Aug-07	12.92916	109.23971	Phú Yên	Hòa Thịnh	1.3	4.0	0.04	0.90	0.050	29.0	43.5	0.02	7.4	Dug
117	PY_117	7-Aug-07	12.89635	109.23527	Phú Yên	Hòa Thịnh	4.3	5.3	0.60	0.60	0.040	27.1	9.0	0.00	6.0	Dug
118	PY_118	7-Aug-07	12.89640	109.23534	Phú Yên	Hòa Thịnh	2.3	4.0	0.48	0.65	0.100	29.7	8.4	0.00	6.3	Dug
119	PY_119	7-Aug-07	12.95443	109.18857	Phú Yên	Hòa Mỹ Tây	3.6	5.0	0.66	0.85	0.040	27.3	12.7	0.01	6.3	Dug
120	PY_120	7-Aug-07	12.95423	109.18851	Phú Yên	Hòa Mỹ Tây	3.8	4.7	0.77	0.83	0.100	26.8	7.3	0.00	6.1	Dug
121	PY_121	7-Aug-07	12.93360	109.15549	Phú Yên	Hòa Mỹ Tây	5.5	7.0	0.90	1.03	0.080	28.2	7.6	0.00	6.6	Dug
122	PY_122	7-Aug-07	12.93310	109.15571	Phú Yên	Hòa Mỹ Tây	6.0	7.0	0.80	0.92	0.100	29.2	7.3	0.00	6.5	Dug
123	PY_123	8-Aug-07	13.01861	109.35391	Phú Yên	Hòa Bắc	6.0	12.0	0.09	0.04	-999.000	30.7	12.0	0.01	6.7	Drill
124	PY_124	8-Aug-07	13.01846	109.35371	Phú Yên	Hòa Bắc	8.0	13.0	0.00	0.04	-999.000	29.7	28.7	0.01	6.8	Drill
125	PY_125	8-Aug-07	12.99303	109.37064	Phú Yên	Hòa Hiệp Trung	7.0	9.0	0.70	1.10	0.090	28.8	16.7	0.01	6.6	Dug
126	PY_126	8-Aug-07	12.99307	109.37066	Phú Yên	Hòa Hiệp Trung	8.1	10.0	0.75	1.07	0.100	27.9	31.3	0.02	7.1	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
127	PY_127	8-Aug-07	12.96425	109.39928	Phú Yên	Hòa Hiệp Nam	9.0	10.0	0.70	0.96	0.080	30.0	18.1	0.01	6.6	Dug
128	PY_128	8-Aug-07	12.96420	109.39911	Phú Yên	Hòa Hiệp Nam	9.0	10.0	0.52	1.00	0.070	28.6	19.8	0.01	6.6	Dug
129	PY_129	8-Aug-07	12.93379	109.42078	Phú Yên	Hòa Tân	5.3	7.0	0.78	0.90	0.040	28.2	7.6	0.00	6.4	Dug
130	PY_130	8-Aug-07	12.93387	109.42077	Phú Yên	Hòa Tân	4.0	5.0	0.50	1.00	0.060	26.5	31.3	0.02	7.1	Dug
131	PY_131	9-Aug-07	12.95916	109.35042	Phú Yên	Hòa Sơn Đông	3.0	5.0	0.88	0.90	0.120	28.3	101.3	0.05	7.2	Dug
132	PY_132	9-Aug-07	12.95922	109.35056	Phú Yên	Hòa Sơn Đông	3.0	7.0	0.20	0.05	-999.000	28.7	73.3	0.04	7.3	Drill
133	PY_133	9-Aug-07	12.90258	109.38363	Phú Yên	Hòa Sơn Nam	1.9	4.0	0.67	0.72	0.030	27.8	53.1	0.03	7.1	Dug
134	PY_134	9-Aug-07	12.90271	109.38367	Phú Yên	Hòa Sơn Nam	1.8	4.3	0.67	0.72	0.030	27.8	38.2	0.02	7.0	Dug
135	KH_001	6-Aug-07	12.77616	109.30948	Khánh Hòa	Tân Phước	-999.0	21.0	-999.00	-999.00	-999.000	28.6	67.7	0.03	7.0	Drill
136	KH_002	6-Aug-07	12.77523	109.30762	Khánh Hòa	Tân Phước	-999.0	25.0	-999.00	-999.00	-999.000	28.5	74.1	0.04	7.9	Drill
137	KH_003	6-Aug-07	12.72896	109.26569	Khánh Hòa	Vạn Thắng	2.0	5.0	0.65	1.45	0.100	28.3	21.5	0.01	6.0	Dug
138	KH_004	6-Aug-07	12.72820	109.26593	Khánh Hòa	Vạn Thắng	7.1	7.5	0.30	1.10	0.050	27.6	129.0	0.06	7.2	Dug
139	KH_005	6-Aug-07	12.72129	109.23465	Khánh Hòa	Vạn Bình	1.6	3.6	0.80	0.70	0.030	27.7	32.1	0.02	6.3	Dug
140	KH_006	6-Aug-07	12.72055	109.23584	Khánh Hòa	Vạn Bình	0.6	6.0	0.30	0.80	0.050	28.7	31.5	0.02	6.6	Dug
141	KH_007	6-Aug-07	12.70568	109.23743	Khánh Hòa	Vạn Thắng	4.5	5.0	1.00	0.80	0.050	28.0	200.0	0.10	7.3	Dug
142	KH_008	6-Aug-07	12.70593	109.23729	Khánh Hòa	Vạn Thắng	2.0	3.1	0.75	0.80	0.050	27.0	75.5	0.04	7.3	Dug
143	KH_009	6-Aug-07	12.68001	109.21430	Khánh Hòa	Vạn Lương	2.1	6.0	0.60	1.10	0.100	28.6	83.8	0.04	7.6	Dug
144	KH_010	6-Aug-07	12.68041	109.21371	Khánh Hòa	Vạn Lương	2.3	4.5	0.40	0.85	0.040	30.0	71.7	0.04	7.0	Dug
145	KH_011	7-Aug-07	12.68954	109.19763	Khánh Hòa	Vạn Lương	1.3	2.5	0.50	1.00	0.230	28.1	115.2	0.06	7.2	Dug
146	KH_012	7-Aug-07	12.68903	109.19861	Khánh Hòa	Vạn Lương	1.5	6.5	1.00	1.00	0.150	29.3	256.0	0.13	7.5	Dug
147	KH_013	7-Aug-07	12.65757	109.20283	Khánh Hòa	Vạn Hưng	2.8	5.0	0.80	1.00	0.030	29.3	310.0	0.16	7.1	Dug
148	KH_014	7-Aug-07	12.65696	109.20242	Khánh Hòa	Vạn Hưng	3.8	9.0	0.65	1.40	0.100	28.5	487.0	0.25	7.1	Dug
149	KH_015	7-Aug-07	12.67059	109.14981	Khánh Hòa	Xuân Sơn	-999.0	12.0	-999.00	-999.00	-999.000	32.0	119.5	0.06	8.1	Drill
150	KH_016	7-Aug-07	12.67013	109.15159	Khánh Hòa	Xuân Sơn	2.2	4.0	1.00	0.80	0.050	28.3	87.7	0.04	7.5	Dug
151	KH_017	8-Aug-07	12.53259	109.18712	Khánh Hòa	Ninh Thọ	5.3	10.0	0.80	1.25	0.150	30.0	83.5	0.04	7.5	Dug
152	KH_018	8-Aug-07	12.53639	109.18722	Khánh Hòa	Ninh Thọ	5.0	5.5	0.80	1.20	0.150	28.6	26.6	0.01	7.7	Dug
153	KH_019	8-Aug-07	12.55230	109.21755	Khánh Hòa	Ninh Diên	6.0	10.0	0.50	1.20	0.100	30.6	196.9	0.10	6.5	Dug
154	KH_020	8-Aug-07	12.55200	109.21787	Khánh Hòa	Ninh Diên	6.2	9.0	0.80	1.20	0.150	28.9	210.0	0.11	6.9	Dug
155	KH_021	7-Aug-07	12.55447	109.16618	Khánh Hòa	Ninh An	1.4	5.0	0.15	1.40	0.150	28.3	169.3	0.08	6.2	Dug
156	KH_022	7-Aug-07	12.55347	109.16581	Khánh Hòa	Ninh An	1.5	13.0	0.80	1.05	0.100	27.8	131.1	0.06	7.5	Dug
157	KH_023	7-Aug-07	12.60223	109.13293	Khánh Hòa	Ninh Sơn	7.8	9.0	1.00	1.00	0.100	28.8	46.8	0.02	6.8	Dug
158	KH_024	7-Aug-07	12.60206	109.13339	Khánh Hòa	Ninh Sơn	7.5	8.0	0.80	1.10	0.150	28.1	51.0	0.02	6.2	Dug
159	KH_025	8-Aug-07	12.53452	109.13342	Khánh Hòa	Ninh Đông	2.0	3.0	0.80	1.00	0.050	29.8	57.5	0.03	6.6	Dug
160	KH_026	8-Aug-07	12.53339	109.13532	Khánh Hòa	Ninh Đông	4.0	5.0	0.90	1.00	0.050	29.7	37.5	0.02	6.4	Dug
161	KH_027	8-Aug-07	12.50489	109.14901	Khánh Hòa	Ninh Đa	5.0	8.0	0.80	1.20	0.150	29.6	546.0	0.29	8.2	Dug
162	KH_028	8-Aug-07	12.50479	109.14931	Khánh Hòa	Ninh Đa	2.1	12.0	0.80	1.40	0.150	30.2	260.0	0.13	8.1	Dug
163	KH_029	11-Aug-07	12.47099	109.13715	Khánh Hòa	Ninh Hà	2.0	3.5	0.75	1.20	0.150	29.4	362.0	0.18	7.1	Dug
164	KH_030	11-Aug-07	12.47131	109.13599	Khánh Hòa	Ninh Hà	1.5	2.5	0.70	1.20	0.150	30.0	89.5	0.04	6.6	Dug
165	KH_031	12-Aug-07	12.43689	109.12439	Khánh Hòa	Ninh Lộc	2.5	3.0	0.60	1.20	0.150	30.4	121.1	0.06	7.6	Dug
166	KH_032	12-Aug-07	12.43736	109.12466	Khánh Hòa	Ninh Lộc	2.0	3.0	0.80	1.20	0.150	31.1	746.0	0.39	8.0	Dug
167	KH_033	8-Aug-07	12.50316	109.10673	Khánh Hòa	Ninh Phụng	1.8	4.0	0.75	1.20	0.150	30.8	145.7	0.07	6.8	Dug
168	KH_034	8-Aug-07	12.50315	109.10655	Khánh Hòa	Ninh Phụng	2.0	8.0	0.80	1.00	0.150	30.1	84.5	0.04	6.7	Dug
169	KH_035	11-Aug-07	12.54508	109.10104	Khánh Hòa	Ninh Trung	2.5	3.5	0.80	1.20	0.250	29.5	197.9	0.10	7.5	Dug
170	KH_036	11-Aug-07	12.54491	109.10095	Khánh Hòa	Ninh Trung	2.5	3.5	0.80	1.00	0.200	28.8	175.7	0.09	7.1	Dug
171	KH_037	10-Aug-07	12.56549	109.07231	Khánh Hòa	Ninh Thuận	2.0	10.0	1.00	1.20	0.200	31.3	117.2	0.06	7.2	Dug
172	KH_038	10-Aug-07	12.56478	109.07177	Khánh Hòa	Ninh Thuận	2.9	5.0	0.80	1.20	0.100	29.1	165.0	0.08	7.4	Dug
173	KH_039	10-Aug-07	12.59789	109.04949	Khánh Hòa	Ninh Trang	-999.0	18.0	-999.00	-999.00	-999.000	29.9	22.6	0.01	6.3	Drill
174	KH_040	10-Aug-07	12.59811	109.04963	Khánh Hòa	Ninh Trang	5.6	8.0	0.80	1.00	0.150	29.5	23.7	0.01	7.3	Dug
175	KH_041	11-Aug-07	12.46359	109.10036	Khánh Hòa	Ninh Luân	2.0	3.5	0.60	1.20	0.250	29.8	235.0	0.12	7.2	Dug
176	KH_042	11-Aug-07	12.46401	109.10065	Khánh Hòa	Ninh Luân	-999.0	11.0	-999.00	-999.00	-999.000	28.7	66.8	0.03	6.9	Drill
177	KH_043	11-Aug-07	12.45347	109.04565	Khánh Hòa	Ninh Tân	3.5	6.5	1.00	1.20	0.100	28.3	249.0	0.12	7.1	Dug
178	KH_044	11-Aug-07	12.45315	109.04599	Khánh Hòa	Ninh Tân	3.0	8.5	0.80	1.20	0.200	30.0	62.6	0.03	6.9	Dug
179	KH_045	10-Aug-07	12.50575	109.07503	Khánh Hòa	Ninh Xuân	5.4	8.0	0.80	1.25	0.050	29.9	20.3	0.01	6.9	Dug
180	KH_046	10-Aug-07	12.50591	109.07434	Khánh Hòa	Ninh Xuân	4.3	7.0	1.00	1.00	0.050	30.2	17.6	0.01	6.5	Dug
181	KH_047	10-Aug-07	12.52495	109.03528	Khánh Hòa	Ninh Xuân	8.0	8.5	0.80	1.00	0.100	30.5	96.1	0.05	6.8	Dug
182	KH_048	10-Aug-07	12.52521	109.03491	Khánh Hòa	Ninh Xuân	7.1	9.0	0.80	1.00	0.100	30.4	105.7	0.05	7.2	Dug
183	KH_049	10-Aug-07	12.54225	109.01215	Khánh Hòa	Ninh sim	2.0	6.5	0.80	1.20	0.050	30.6	204.0	0.10	7.4	Dug
184	KH_050	10-Aug-07	12.54181	109.01103	Khánh Hòa	Ninh Sim	4.1	6.5	1.00	1.00	0.100	31.8	215.0	0.11	7.5	Dug
185	KH_051	12-Aug-07	12.07674	109.17204	Khánh Hòa	Cam Hải Tây	3.3	5.0	0.50	3.80	0.150	31.5	78.1	0.04	6.1	Dug
186	KH_052	12-Aug-07	12.07688	109.17169	Khánh Hòa	Cam Hải Tây	4.0	8.0	0.50	1.20	0.050	30.7	162.9	0.08	7.1	Dug
187	KH_053	12-Aug-07	12.12270	109.10494	Khánh Hòa	Cam Tân	3.5	5.5	1.20	1.00	0.100	28.7	59.0	0.03	5.6	Dug
188	KH_054	12-Aug-07	12.12314	109.10679	Khánh Hòa	Cam Tân	4.0	7.0	0.50	1.20	0.050	29.6	131.7	0.06	5.2	Dug
189	KH_055	12-Aug-07	12.10875	109.13372	Khánh Hòa	Cam Hòa	3.0	10.0	1.00	1.20	0.050	29.5	137.1	0.07	6.9	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
190	KH_056	12-Aug-07	12.10931	109.13430	Khánh Hòa	Cam Hòa	8.0	10.0	0.70	1.20	0.050	31.7	99.6	0.05	7.3	Dug
191	KH_057	12-Aug-07	12.07631	109.16805	Khánh Hòa	Cam Hải Tây	4.0	7.0	0.50	1.20	0.050	28.3	92.6	0.04	7.7	Dug
192	KH_058	12-Aug-07	12.07612	109.16801	Khánh Hòa	Cam Hải Tây	10.0	11.0	0.40	1.40	0.050	29.9	210.0	0.11	7.6	Dug
193	KH_059	12-Aug-07	12.07736	109.15661	Khánh Hòa	Cam Hải Tây	8.4	13.0	1.30	1.20	0.050	29.5	37.7	0.02	8.1	Dug
194	KH_060	12-Aug-07	12.07611	109.15672	Khánh Hòa	Cam Hải Tây	12.0	15.0	1.30	1.40	0.050	30.0	372.0	0.19	7.1	Dug
195	KH_061	12-Aug-07	12.05083	109.16130	Khánh Hòa	Cam Đức	11.0	14.0	0.50	1.20	0.050	33.7	134.9	0.07	5.5	Dug
196	KH_062	12-Aug-07	12.05200	109.16059	Khánh Hòa	Cam Đức	10.0	12.0	1.20	1.20	0.050	30.0	315.0	0.18	5.6	Dug
197	KH_063	5-Aug-07	12.25470	109.16100	Khánh Hòa	Vinh Hiep-Nha Trang	1.7	3.9	0.50	1.60	0.200	26.9	81.6	0.04	7.3	Dug
198	KH_064	5-Aug-07	12.25495	109.16113	Khánh Hòa	Vinh Hiep-Nha Trang	2.0	4.0	0.56	1.30	0.200	27.6	195.2	0.10	7.4	Dug
199	KH_065	5-Aug-07	12.25774	109.11360	Khánh Hòa	Dien An - DienKhanh	1.2	5.2	1.10	1.25	0.070	27.0	72.5	0.04	7.3	Dug
200	KH_066	5-Aug-07	12.25737	109.11262	Khánh Hòa	Dien An - DienKhanh	3.5	6.0	0.60	1.20	0.100	27.6	97.1	0.05	7.2	Dug
201	KH_067	8-Aug-07	12.25856	109.06497	Khánh Hòa	Thanh Minh-Dien Lac-DK	6.0	9.0	0.40	1.20	0.100	29.0	34.7	0.02	6.4	Dug
202	KH_068	8-Aug-07	12.25826	109.06536	Khánh Hòa	941 Thanh Minh-Dien Lac-DK	5.5	8.0	0.75	1.60	0.100	30.0	54.7	0.03	6.9	Dug
203	KH_069	7-Aug-07	12.23686	109.04987	Khánh Hòa	My Loc-Dien Loc-Dien Khanh	1.7	5.0	0.85	1.40	0.100	30.8	330.0	0.17	7.3	Dug
204	KH_070	7-Aug-07	12.23688	109.04979	Khánh Hòa	My Loc-Dien Loc-Dien Khanh	1.4	4.5	0.85	1.20	0.100	31.6	141.3	0.07	7.0	Dug
205	KH_071	8-Aug-07	12.20210	109.04370	Khánh Hòa	Xuan Phu 2-Suoi Tien-DK	5.5	6.0	0.10	0.05	0.002	28.2	11.8	0.01	6.1	Dug
206	KH_072	8-Aug-07	12.20281	109.04397	Khánh Hòa	Xuan Phu 2-Suoi Tien-DK	1.2	3.2	0.65	1.05	0.090	27.9	17.8	0.01	6.7	Dug
207	KH_073	7-Aug-07	12.23950	108.99631	Khánh Hòa	Cay Sung-DienTan-Dien Khanh	7.0	8.5	0.80	1.20	0.100	31.0	111.9	0.06	7.2	Dug
208	KH_074	7-Aug-07	12.23931	108.99596	Khánh Hòa	Cay Sung-DienTan-Dien Khanh	6.0	10.0	0.70	1.00	0.100	29.3	130.0	0.06	7.0	Dug
209	KH_075	7-Aug-07	12.26497	109.02839	Khánh Hòa	Phuoc Luong-Dien Tho-DK	6.5	10.0	0.80	1.60	0.100	29.0	23.8	0.01	5.7	Dug
210	KH_076	7-Aug-07	12.26497	109.02775	Khánh Hòa	Phuoc Luong-Dien Tho-DK	5.5	8.0	0.70	1.60	0.100	28.5	11.4	0.01	5.9	Dug
211	KH_077	7-Aug-07	12.28285	108.98458	Khánh Hòa	Phu Tho-Dien Tho-Dien Khanh	4.0	10.0	0.70	1.00	0.050	27.0	160.5	0.08	7.5	Dug
212	KH_078	7-Aug-07	12.28255	108.98174	Khánh Hòa	Phu Tho-Dien Tho-Dien Khanh	1.5	4.0	1.00	1.00	0.050	30.0	43.6	0.02	6.7	Dug
213	KH_079	7-Aug-07	12.28357	108.94800	Khánh Hòa	Thon Dong-Song Cau-Khanh Vinh	2.7	10.0	0.90	1.30	0.100	28.7	60.3	0.03	6.8	Dug
214	KH_080	7-Aug-07	12.28381	108.94663	Khánh Hòa	Thon Dong-Song Cau-Khanh Vinh	9.0	10.0	1.20	1.00	0.600	27.3	94.3	0.05	7.4	Dug
215	KH_081	5-Aug-07	12.28982	109.14762	Khánh Hòa	Thon Trung-Vinh Phuong-NT	9.0	10.0	0.60	1.16	0.100	27.5	144.8	0.07	7.3	Dug
216	KH_082	5-Aug-07	12.28985	109.14762	Khánh Hòa	Thon Trung-Vinh Phuong-NT	4.0	7.0	0.80	1.40	0.100	27.2	116.2	0.06	6.4	Dug
217	KH_083	5-Aug-07	12.27402	109.14634	Khánh Hòa	Thon Nhu Xuan-VinhPhuong-NT	4.0	4.9	0.67	1.00	0.080	27.0	38.2	0.02	6.3	Dug
218	KH_084	5-Aug-07	12.27381	109.14628	Khánh Hòa	Thon Nhu Xuan-VinhPhuong-NT	3.1	4.2	0.60	1.30	0.200	24.7	44.6	0.02	8.5	Dug
219	KH_085	5-Aug-07	12.27608	109.11794	Khánh Hòa	Phu Cap-Dien Phu-Dien Khanh	2.3	8.3	0.60	2.80	0.100	26.8	66.0	0.02	6.6	Dug
220	KH_086	5-Aug-07	12.27610	109.11845	Khánh Hòa	Phu Cap-Dien Phu-Dien Khanh	2.3	4.9	0.75	1.50	0.100	27.0	47.2	0.02	6.4	Dug
221	KH_087	8-Aug-07	12.26519	109.08121	Khánh Hòa	Thon Tay 3-Dien Son-Dien Khanh	4.3	8.0	0.60	1.20	0.100	30.0	6.8	0.00	6.4	Dug
222	KH_088	8-Aug-07	12.26530	109.08140	Khánh Hòa	Thon Tay 3-Dien Son-Dien Khanh	3.3	6.0	0.50	0.90	0.100	29.0	16.9	0.01	6.1	Dug
223	KH_089	6-Aug-07	12.29762	109.00654	Khánh Hòa	Khanh Xuan-Dien Lam-DK	1.9	8.5	0.80	1.40	0.100	28.5	41.1	0.02	5.8	Dug
224	KH_090	6-Aug-07	12.29640	109.00520	Khánh Hòa	Khanh Xuan-Dien Lam-DK	9.0	11.2	0.80	1.40	0.100	29.0	33.2	0.02	6.5	Dug
225	KH_091	6-Aug-07	12.31442	108.98053	Khánh Hòa	Xom Nam-Xuan Dong-Dien Xuan-DK	12.0	15.0	0.75	1.20	0.100	27.0	49.0	0.02	6.7	Dug
226	KH_092	6-Aug-07	12.31450	108.98033	Khánh Hòa	Xom Nam-Xuan Dong-Dien Xuan-DK	11.0	14.0	0.80	1.20	0.120	32.2	36.4	0.02	6.6	Dug
227	KH_093	6-Aug-07	12.22905	109.15311	Khánh Hòa	Dat Lanh- Vinh Thai-Nha Trang	2.3	5.0	0.50	1.00	0.050	28.0	96.6	0.05	6.3	Dug
228	KH_094	6-Aug-07	12.22998	109.15260	Khánh Hòa	Dat Lanh- Vinh Thai-Nha Trang	1.5	4.2	0.65	1.00	0.100	27.0	52.0	0.03	6.4	Dug
229	KH_095	6-Aug-07	12.20878	109.14535	Khánh Hòa	Phuoc Thuong-Phuoc Dong-NT	3.9	6.5	0.60	1.00	0.060	28.8	557.0	0.29	6.9	Dug
230	KH_096	6-Aug-07	12.20865	109.14537	Khánh Hòa	Phuoc Thuong-Phuoc Dong-NT	4.8	12.0	1.00	1.00	0.060	30.0	130.8	0.72	7.1	Dug
231	KH_097	6-Aug-07	12.19011	109.16479	Khánh Hòa	Phuoc Tan-Phuoc Dong-NT	2.5	8.8	0.20	1.00	0.020	27.8	34.4	0.02	5.9	Dug
232	KH_098	6-Aug-07	12.18853	109.16525	Khánh Hòa	Phuoc Tan-Phuoc Dong-NT	2.0	5.5	0.80	0.95	0.070	28.4	33.6	0.02	5.0	Dug
233	KH_099	9-Aug-07	12.22706	109.08408	Khánh Hòa	Thuy Xuong-Suoi Hiep-Dien Khanh	3.5	8.0	0.60	1.25	0.100	28.2	51.5	0.03	5.9	Dug
234	KH_100	9-Aug-07	12.22675	109.08380	Khánh Hòa	Thuy Xuong-Suoi Hiep-Dien Khanh	3.7	5.5	0.67	1.70	0.100	28.8	41.2	0.02	4.3	Dug
235	KH_101	9-Aug-07	12.21171	109.07372	Khánh Hòa	Hoi Xuong-SuoiHiep-DK	3.8	6.0	0.60	1.10	0.050	28.9	71.8	0.04	6.0	Dug
236	KH_102	9-Aug-07	12.21170	109.07410	Khánh Hòa	Hoi Xuong-SuoiHiep-DK	4.0	5.0	0.65	1.20	0.040	28.6	39.6	0.04	6.1	Dug
237	KH_103	8-Aug-07	12.19043	109.06486	Khánh Hòa	Tan Xuong-SuoiCat-Dien Khanh	2.1	9.0	0.60	2.22	0.100	28.2	10.3	0.00	6.3	Dug
238	KH_104	8-Aug-07	12.19029	109.06479	Khánh Hòa	Tan Xuong-SuoiCat-Dien Khanh	1.8	4.0	0.00	0.10	0.002	28.4	7.5	0.00	5.9	Dug
239	KH_105	8-Aug-07	12.15680	109.07921	Khánh Hòa	Dong Cau-Suoi Tan-Dien Khanh	1.6	3.4	0.55	1.20	0.100	27.2	217.0	0.11	5.9	Dug
240	KH_106	8-Aug-07	12.15673	109.07927	Khánh Hòa	Dong Cau-Suoi Tan-Dien Khanh	3.0	5.0	0.00	1.00	0.050	27.6	102.9	0.05	6.0	Dug
241	KH_107	9-Aug-07	12.02801	109.18388	Khánh Hòa	Tan Phu-Cam Thanh Bac-Cam Ranh	2.0	5.5	0.50	1.00	0.050	30.5	385.0	0.20	6.7	Dug
242	KH_108	9-Aug-07	12.02728	109.18411	Khánh Hòa	Tan Phu-Cam Thanh Bac-Cam Ranh	2.0	4.3	0.50	1.00	0.250	29.7	677.0	0.36	7.1	Dug
243	KH_109	9-Aug-07	11.98858	109.19150	Khánh Hòa	Nguyen Cong Tru-Cam Nghia-CR	1.2	3.8	0.50	1.00	0.100	27.7	677.0	0.36	7.2	Dug
244	KH_110	9-Aug-07	11.98758	109.19129	Khánh Hòa	Nguyen Cong Tru-Cam Nghia-CR	0.7	4.3	0.60	1.00	0.100	28.0	711.0	0.38	7.6	Dug
245	KH_111	9-Aug-07	11.99111	109.15859	Khánh Hòa	Quang Phuc-Cam Thanh Dong-CR	5.0	6.0	0.65	1.20	0.050	28.5	352.0	0.18	8.3	Dug
246	KH_112	9-Aug-07	11.99118	109.15871	Khánh Hòa	Quang Phuc-Cam Thanh Dong-CR	2.7	3.5	0.50	1.20	0.050	29.4	60.9	0.03	6.6	Dug
247	KH_113	10-Aug-07	11.96275	109.19009	Khánh Hòa	Ly Thuong Kiet-Hoa Gia-Cam phuc Bac	2.8	4.6	0.50	1.00	0.100	27.5	512.0	0.27	6.9	Dug
248	KH_114	10-Aug-07	11.96525	109.18974	Khánh Hòa	Ly Thuong Kiet-Hoa Gia-Cam phuc Bac	1.9	3.9	0.65	1.00	0.050	28.9	745.0	0.40	6.8	Dug
249	KH_115	10-Aug-07	11.94599	109.18017	Khánh Hòa	Xuan Ninh-Cam Phuc Nam-CR	20.0	25.0	0.10	0.40	0.002	28.9	210.0	0.11	6.7	Dug
250	KH_116	10-Aug-07	11.94616	109.18017	Khánh Hòa	Xuan Ninh-Cam Phuc Nam-CR	3.0	5.5	0.70	1.00	0.050	28.7	232.0	0.12	7.4	Dug
251	KH_117	10-Aug-07	11.93488	109.11891	Khánh Hòa	Tan Hiep-Cam phuc Dong-CR	2.0	4.5	0.20	1.00	0.050	29.4	38.8	0.02	6.3	Dug
252	KH_118	10-Aug-07	11.93444	109.11950	Khánh Hòa	Tan Hiep-Cam phuc Dong-CR	3.3	8.0	0.40	1.00	0.050	28.9	50.0	0.02	6.3	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
253	KH_119	10-Aug-07	11.96446	109.09023	Khánh Hòa	Van Thuy 1-Cam Phuoc Tay-CR	0.5	4.0	0.40	1.00	0.050	28.0	263.0	0.13	8.1	Dug
254	KH_120	10-Aug-07	11.96461	109.09110	Khánh Hòa	Van Thuy 1-Cam Phuoc Tay-CR	2.1	6.0	0.30	1.40	0.100	28.0	406.0	0.21	7.6	Dug
255	KH_121	10-Aug-07	11.88073	109.11171	Khánh Hòa	Hoa Diem-Cam Thanh Dong-CR	1.9	3.0	0.63	1.00	0.050	28.5	369.0	0.19	7.5	Dug
256	KH_122	10-Aug-07	11.88091	109.11176	Khánh Hòa	Hoa Diem-Cam Thanh Dong-CR	1.2	2.5	0.70	1.00	0.050	29.0	705.0	0.37	7.5	Dug
257	KH_123	10-Aug-07	11.86091	109.08361	Khánh Hòa	Xom1-Song Can Dong-CR	3.5	5.5	0.80	1.00	0.050	29.9	846.0	0.46	7.3	Dug
258	KH_124	10-Aug-07	11.86104	109.08406	Khánh Hòa	Xom1-Song Can Dong-CR	3.3	8.0	0.50	1.10	0.050	29.2	292.0	0.15	7.2	Dug
259	KH_125	10-Aug-07	11.81842	109.10825	Khánh Hòa	Cam Thinh Dong-CR	3.1	6.0	0.45	0.04	0.002	29.0	281.0	0.14	6.4	Dug
260	KH_126	10-Aug-07	11.81814	109.10815	Khánh Hòa	Cam Thinh Dong-CR	2.5	16.0	0.60	0.04	0.002	28.0	234.0	0.12	8.0	Dug
261	NT_001	6-Aug-07	11.79901	109.09770	Ninh Thuận	Cong Hai	3.6	5.6	1.00	0.90	0.050	27.9	67.3	0.03	7.1	Dug
262	NT_002	6-Aug-07	11.79873	109.09773	Ninh Thuận	Cong Hai	4.0	6.0	0.70	1.12	0.120	27.4	75.6	0.04	7.4	Dug
263	NT_003	6-Aug-07	11.78137	109.08097	Ninh Thuận	Cong Hai	2.0	3.0	0.60	0.20	0.050	28.7	986.0	0.50	7.3	Dug
264	NT_004	6-Aug-07	11.78016	109.08100	Ninh Thuận	Cong Hai	1.8	8.0	0.65	0.90	0.130	29.8	259.0	0.13	7.6	Dug
265	NT_005	6-Aug-07	11.75582	109.07303	Ninh Thuận	Lai Hai	6.2	13.0	0.40	0.85	0.050	28.8	38.3	0.02	6.6	Dug
266	NT_006	6-Aug-07	11.75611	109.07452	Ninh Thuận	Lai Hai	4.5	5.5	0.50	0.80	0.040	27.9	669.0	0.36	6.1	Dug
267	NT_007	6-Aug-07	11.71789	109.05340	Ninh Thuận	Lai Hai	2.3	4.0	0.60	1.15	0.050	28.7	278.0	0.14	7.5	Dug
268	NT_008	7-Aug-07	11.60524	109.04449	Ninh Thuận	Tan Hai	3.3	4.0	0.45	0.85	0.050	29.1	301.0	0.15	7.6	Dug
269	NT_009	7-Aug-07	11.60429	109.04481	Ninh Thuận	Tan Hai	3.0	4.5	0.70	0.80	0.040	29.4	356.0	0.18	7.7	Dug
270	NT_010	7-Aug-07	11.58878	109.09877	Ninh Thuận	Nhon Hai	3.5	5.6	0.65	1.30	0.170	28.5	359.0	0.18	7.6	Dug
271	NT_011	7-Aug-07	11.58922	109.10044	Ninh Thuận	Nhon Hai	3.5	4.0	0.50	0.90	0.070	29.0	69.4	0.03	7.8	Dug
272	NT_012	7-Aug-07	11.58815	109.12551	Ninh Thuận	Tan Hai	3.8	4.5	0.30	2.40	0.100	28.7	369.0	0.19	7.6	Dug
273	NT_013	7-Aug-07	11.58484	109.12537	Ninh Thuận	Thanh Hai	3.6	4.0	0.45	1.00	0.070	29.7	358.0	0.18	7.5	Dug
274	NT_014	7-Aug-07	11.58938	109.10988	Ninh Thuận	Mỹ Tường 1	2.3	3.0	0.50	1.00	0.090	28.2	523.0	0.27	8.1	Dug
275	NT_015	7-Aug-07	11.58766	109.11217	Ninh Thuận	Mỹ Tường 1	1.5	3.3	0.50	0.95	0.060	29.2	1387.0	0.77	7.6	Dug
276	NT_016	7-Aug-07	11.61483	109.14629	Ninh Thuận	Vinh Hai	4.8	5.7	0.05	1.20	0.100	35.0	83.0	0.04	8.3	Dug
277	NT_017	7-Aug-07	11.61463	109.14753	Ninh Thuận	Vinh Hai	3.4	3.8	0.35	1.00	0.050	29.3	313.0	0.16	7.5	Dug
278	NT_018	7-Aug-07	11.65735	109.16504	Ninh Thuận	Vinh Hai	1.0	5.5	0.03	2.85	0.070	30.5	72.1	0.04	7.4	Dug
279	NT_019	7-Aug-07	11.65626	109.16524	Ninh Thuận	Vinh Hai	2.8	6.0	0.40	5.20	0.050	30.2	85.4	0.04	7.2	Dug
280	NT_020	7-Aug-07	11.63413	109.04481	Ninh Thuận	Phuong Hai	2.7	4.0	0.30	0.80	0.050	30.4	315.0	0.16	7.2	Dug
281	NT_021	7-Aug-07	11.63363	109.04604	Ninh Thuận	Phuong Hai	1.0	3.5	0.60	0.85	0.050	28.8	117.6	0.09	7.5	Dug
282	NT_022	7-Aug-07	11.64784	109.05972	Ninh Thuận	Bac Son	1.6	5.5	0.80	0.85	0.030	29.4	368.0	0.19	7.0	Dug
283	NT_023	7-Aug-07	11.64751	109.05867	Ninh Thuận	Bac Son	2.4	4.0	0.80	2.10	0.050	28.0	51.4	0.03	7.0	Dug
284	NT_024	7-Aug-07	11.70171	109.05771	Ninh Thuận	Lai Hai	2.2	3.6	0.58	1.50	0.100	31.2	82.5	0.04	6.6	Dug
285	NT_025	6-Aug-07	11.70171	109.05835	Ninh Thuận	Lai Hai	2.4	4.0	0.50	1.20	0.100	31.4	66.4	0.30	6.6	Dug
286	NT_026	6-Aug-07	11.67494	109.03265	Ninh Thuận	Bac Phong	1.0	2.0	0.60	0.80	0.070	31.1	192.2	0.10	6.6	Dug
287	NT_027	6-Aug-07	11.67506	109.03248	Ninh Thuận	Bac Phong	1.1	3.0	0.40	0.75	0.040	29.7	221.0	0.11	6.7	Dug
288	NT_028	9-Aug-07	11.64123	109.00464	Ninh Thuận	ho hai	0.6	4.0	0.45	0.75	0.180	27.6	110.9	0.05	8.1	Dug
289	NT_029	9-Aug-07	11.64612	109.00516	Ninh Thuận	ho hai	1.4	2.5	0.50	0.85	0.040	27.1	145.9	0.07	7.2	Dug
290	NT_030	9-Aug-07	11.64758	109.00780	Ninh Thuận	ho hai	1.7	3.5	0.40	0.70	0.030	28.4	241.0	0.12	7.1	Dug
291	NT_031	9-Aug-07	11.64431	108.98526	Ninh Thuận	Xuan Hai	1.0	3.0	0.40	0.85	0.040	30.1	1.0	0.00	7.7	Dug
292	NT_032	9-Aug-07	11.64663	108.97275	Ninh Thuận	Xuan Hai	2.5	3.0	0.35	0.75	0.040	29.7	682.0	0.36	7.3	Dug
293	NT_033	9-Aug-07	11.64624	108.97463	Ninh Thuận	Xuan Hai	2.4	4.5	0.70	0.85	0.040	29.2	1099.0	0.60	7.6	Dug
294	NT_034	8-Aug-07	11.58080	109.02095	Ninh Thuận	49/54 NTMKhai	5.4	8.0	0.30	2.50	0.100	29.7	1171.0	0.64	7.6	Dug
295	NT_035	8-Aug-07	11.58147	109.02085	Ninh Thuận	Ntminh Khai	4.7	8.5	0.30	2.70	0.100	29.9	1144.0	0.63	7.5	Dug
296	NT_036	8-Aug-07	11.54947	109.02395	Ninh Thuận	Dong Hai	1.5	2.0	0.50	0.80	0.030	28.7	1060.0	0.58	7.1	Dug
297	NT_037	8-Aug-07	11.54897	109.02384	Ninh Thuận	Phuong Lan Ong	2.2	3.0	0.50	0.80	0.030	29.8	316.0	0.16	7.1	Dug
298	NT_038	8-Aug-07	11.54160	108.99494	Ninh Thuận	An Hai	3.5	5.5	0.80	0.80	0.050	29.1	95.1	0.05	6.9	Dug
299	NT_039	8-Aug-07	11.54174	108.99439	Ninh Thuận	An Hai	3.0	6.0	0.30	0.80	0.030	29.2	74.5	0.04	6.6	Dug
300	NT_040	8-Aug-07	11.54328	108.99609	Ninh Thuận	An Hai	-999.0	20.0	-999.00	-999.00	-999.000	27.9	62.7	0.03	8.4	Dug
301	NT_041	8-Aug-07	11.54652	108.95873	Ninh Thuận	Phuoc Dan	2.6	6.0	0.70	0.75	0.030	29.8	491.0	0.26	7.8	Dug
302	NT_042	8-Aug-07	11.54898	108.95903	Ninh Thuận	Phuoc Dan	3.1	7.5	0.65	0.88	0.050	28.6	120.4	0.06	7.1	Dug
303	NT_043	8-Aug-07	11.54946	108.95848	Ninh Thuận	Phuoc Dan	3.4	6.0	0.95	0.80	0.030	28.1	116.7	0.06	7.0	Dug
304	NT_044	9-Aug-07	11.60514	108.99155	Ninh Thuận	Thanh Hai	1.5	2.5	0.58	0.75	0.050	28.7	111.2	0.06	7.2	Dug
305	NT_045	10-Aug-07	11.52361	108.92453	Ninh Thuận	Phước Dần	0.4	4.4	0.20	0.95	0.060	27.0	330.0	0.17	7.2	Dug
306	NT_046	10-Aug-07	11.52331	108.92423	Ninh Thuận	Phước Dần	0.4	7.2	0.25	0.85	0.050	29.2	397.0	0.20	7.6	Dug
307	NT_047	10-Aug-07	11.54013	108.95774	Ninh Thuận	Phước dần	2.0	4.5	0.50	0.76	0.040	29.0	349.0	0.18	7.7	Dug
308	NT_048	10-Aug-07	11.54126	108.95953	Ninh Thuận	Phước dần	2.2	6.1	0.78	0.80	0.050	29.2	188.1	0.09	7.7	Dug
309	NT_049	10-Aug-07	11.52018	108.95918	Ninh Thuận	Phước Hải	1.1	4.9	0.40	1.12	0.600	29.0	419.0	0.22	7.3	Dug
310	NT_050	10-Aug-07	11.52053	108.95941	Ninh Thuận	Phước Hải	2.8	5.0	0.59	2.10	0.070	27.7	202.0	0.10	8.7	Dug
311	NT_051	10-Aug-07	11.46608	109.01093	Ninh Thuận	Phước Dinh	4.3	4.6	0.45	0.80	0.050	29.2	227.0	0.11	7.6	Dug
312	NT_052	10-Aug-07	11.46676	109.01086	Ninh Thuận	Phước Dinh	4.3	5.0	0.50	0.80	0.050	29.3	1575.0	0.08	7.8	Dug
313	NT_053	11-Aug-07	11.44527	109.00765	Ninh Thuận	Phước Dinh	4.1	6.7	0.49	1.20	0.130	28.7	164.9	0.08	7.7	Dug
314	NT_054	11-Aug-07	11.44517	109.00777	Ninh Thuận	Phước Dinh	3.3	3.9	0.40	0.78	0.050	30.0	169.2	0.08	7.6	Dug
315	NT_055	11-Aug-07	11.50027	108.91409	Ninh Thuận	Phước Dinh	2.3	5.8	0.40	0.95	0.060	29.1	133.2	0.07	7.4	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
316	NT_056	11-Aug-07	11.50019	108.91396	Ninh Thuận	Phước Dinh	2.8	5.0	0.75	0.88	0.060	29.8	128.4	0.06	7.4	Dug
317	NT_057	11-Aug-07	11.50566	108.88188	Ninh Thuận	Phước Hữu	2.2	5.7	0.40	0.90	0.050	30.4	353.0	0.18	7.4	Dug
318	NT_058	11-Aug-07	11.50582	108.88226	Ninh Thuận	Phước Hữu	1.9	7.5	0.50	0.90	0.060	29.2	1291.0	0.71	7.6	Dug
319	NT_059	10-Aug-07	11.53916	108.89540	Ninh Thuận	Phước Hữu	1.5	4.7	0.05	0.82	0.100	30.2	604.0	0.32	7.6	Dug
320	NT_060	10-Aug-07	11.53908	108.89573	Ninh Thuận	Phước Hữu	1.6	4.3	0.95	0.93	0.060	29.3	579.0	0.31	7.6	Dug
321	NT_061	9-Aug-07	11.58024	108.89159	Ninh Thuận	Phước Thái	1.3	3.0	0.30	0.73	0.050	29.0	7.5	0.04	7.4	Dug
322	NT_062	10-Aug-07	11.58043	108.89120	Ninh Thuận	Phước Thái	1.3	4.1	0.65	1.10	0.100	29.0	227.0	0.11	7.9	Dug
323	NT_063	9-Aug-07	11.61558	108.86611	Ninh Thuận	Phước Vinh	1.8	6.9	0.20	1.05	0.040	30.4	165.1	0.08	7.7	Dug
324	NT_064	9-Aug-07	11.61742	108.86678	Ninh Thuận	Phước Vinh	2.4	6.0	1.15	0.40	0.040	29.4	344.0	0.18	7.1	Dug
325	NT_065	9-Aug-07	11.63264	108.84971	Ninh Thuận	Phước Vinh	3.3	7.0	0.00	0.95	0.050	31.0	279.0	0.01	7.8	Dug
326	NT_066	9-Aug-07	11.63245	108.84824	Ninh Thuận	Phước Vinh	5.2	7.4	0.30	0.90	0.050	29.3	1075.0	0.59	7.0	Dug
327	NT_067	9-Aug-07	11.60697	108.93358	Ninh Thuận	THÁP CHÀM	4.4	6.0	0.50	1.15	0.080	27.0	210.0	0.11	7.6	Dug
328	NT_068	9-Aug-07	11.60710	108.93380	Ninh Thuận	Tháp Chàm	4.3	6.1	0.70	0.84	0.080	29.2	329.0	0.17	7.2	Dug
329	NT_069	9-Aug-07	11.63049	108.89350	Ninh Thuận	Nhon Sơn	-999.0	14.0	0.70	0.06	0.010	31.7	90.0	0.04	7.7	Drill
330	NT_070	9-Aug-07	11.62988	108.89397	Ninh Thuận	Nhon Sơn	1.5	3.3	0.65	0.92	0.650	30.0	300.0	0.15	7.5	Dug
331	NT_071	9-Aug-07	11.67058	108.86439	Ninh Thuận	Mỹ Sơn	7.0	8.4	0.58	0.90	0.050	29.0	304.0	0.15	7.8	Dug
332	NT_072	9-Aug-07	11.67049	108.86486	Ninh Thuận	Mỹ Sơn	6.5	8.3	0.37	0.87	0.050	29.7	177.9	0.09	7.6	Dug
333	NT_073	11-Aug-07	11.41548	109.00661	Ninh Thuận	Phước Dinh	3.1	3.7	0.25	1.30	0.050	28.1	223.0	0.11	7.7	Dug
334	NT_074	12-Aug-07	11.41535	109.00671	Ninh Thuận	Phước Dinh	3.8	4.2	0.65	1.15	0.080	28.9	320.0	0.16	7.5	Dug
335	NT_075	12-Aug-07	11.34113	108.87776	Ninh Thuận	Phước Diêm	3.9	5.1	0.75	0.78	0.040	29.2	272.0	0.14	7.2	Dug
336	NT_076	12-Aug-07	11.34111	108.87763	Ninh Thuận	Phước Diêm	4.2	4.8	0.56	0.77	0.050	26.4	361.0	0.18	8.2	Dug
337	NT_077	12-Aug-07	11.33689	108.89295	Ninh Thuận	Phước Diêm	3.2	4.1	0.20	0.78	0.080	27.3	535.0	0.28	7.7	Dug
338	NT_078	12-Aug-07	11.33658	108.89356	Ninh Thuận	Phước Diêm	3.7	4.5	0.45	0.75	0.040	28.7	623.0	0.33	7.7	Dug
339	NT_079	12-Aug-07	11.38603	108.88803	Ninh Thuận	Phước Minh	3.5	4.8	0.75	0.92	0.070	27.5	257.0	0.13	7.1	Dug
340	NT_080	12-Aug-07	11.38489	108.88718	Ninh Thuận	Phước Minh	3.9	4.2	0.80	0.90	0.060	29.4	253.0	0.13	6.9	Dug
341	NT_081	12-Aug-07	11.41090	108.88943	Ninh Thuận	Phước Minh	2.5	3.1	0.85	2.70	0.080	25.3	97.9	0.05	7.8	Dug
342	NT_082	12-Aug-07	11.40600	108.89390	Ninh Thuận	Phước Minh	3.8	4.0	0.55	0.85	0.040	28.3	142.8	0.07	7.2	Dug
343	NT_083	11-Aug-07	11.43222	108.89419	Ninh Thuận	Phước Minh	3.5	13.0	0.45	1.90	0.200	26.6	56.8	0.03	7.3	Dug
344	NT_084	11-Aug-07	11.43282	108.89333	Ninh Thuận	Phước Minh	5.0	15.8	0.60	1.60	0.090	26.1	286.0	0.14	7.7	Dug
345	BT_001	6-Aug-07	11.32296	108.81795	Bình Thuận	Vĩnh Tân	0.9	2.2	0.00	2.70	0.015	28.0	148.4	0.07	7.0	Dug
346	BT_002	6-Aug-07	11.32416	108.81807	Bình Thuận	Vĩnh Tân	3.0	4.4	1.00	4.00	0.015	29.3	100.7	0.05	7.3	Dug
347	BT_003	6-Aug-07	11.31965	108.78179	Bình Thuận	Vĩnh Tân	1.2	2.4	0.40	0.85	0.050	29.3	39.0	0.02	6.5	Dug
348	BT_004	6-Aug-07	11.31963	108.78180	Bình Thuận	Vĩnh Tân	1.9	2.2	0.00	0.90	0.050	29.1	63.2	0.03	6.7	Dug
349	BT_005	6-Aug-07	11.31317	108.75408	Bình Thuận	Vĩnh Hào	2.2	3.2	0.75	2.25	0.150	28.6	76.2	0.04	7.1	Dug
350	BT_006	6-Aug-07	11.31347	108.75347	Bình Thuận	Vĩnh Hào	3.7	5.8	0.80	1.08	0.150	30.2	58.3	0.03	6.8	Dug
351	BT_007	6-Aug-07	11.33709	108.73897	Bình Thuận	Vĩnh Hào	1.6	3.7	0.80	5.06	0.010	29.7	43.7	0.02	7.3	Dug
352	BT_008	6-Aug-07	11.33844	108.73923	Bình Thuận	Vĩnh Hào	2.9	3.8	0.70	4.40	0.100	29.2	40.3	0.02	7.1	Dug
353	BT_009	7-Aug-07	11.27494	108.74679	Bình Thuận	Phước Thế	0.2	1.1	0.00	1.50	0.005	25.5	14.0	0.01	6.5	Dug
354	BT_010	7-Aug-07	11.27460	108.74670	Bình Thuận	Phước Thế	0.4	1.2	0.00	1.50	0.005	26.0	8.8	0.00	6.6	Dug
355	BT_011	7-Aug-07	11.23399	108.73941	Bình Thuận	Phước Thế	2.0	4.2	0.25	1.60	0.200	29.0	567.0	0.30	6.8	Dug
356	BT_012	7-Aug-07	11.23399	108.73941	Bình Thuận	Phước Thế	2.6	5.0	0.20	0.85	0.010	29.5	346.0	0.18	6.7	Dug
357	BT_013	7-Aug-07	11.23542	108.71023	Bình Thuận	Phú Lạc	3.2	6.0	0.70	0.85	0.150	29.7	850.0	0.46	8.4	Dug
358	BT_014	7-Aug-07	11.23639	108.71082	Bình Thuận	Phú Lạc	3.0	5.1	0.48	0.90	0.020	30.0	524.0	0.27	7.4	Dug
359	BT_015	7-Aug-07	11.26090	108.67600	Bình Thuận	Phong Phú	4.0	4.4	0.20	1.10	0.020	28.3	93.4	0.05	7.6	Dug
360	BT_016	7-Aug-07	11.26050	108.67740	Bình Thuận	Phong Phú	2.9	4.0	0.50	1.10	0.150	28.1	83.3	0.04	7.1	Dug
361	BT_017	7-Aug-07	11.27151	108.65263	Bình Thuận	Phong Phú	2.4	3.6	0.20	0.90	0.015	30.0	96.9	0.05	7.0	Dug
362	BT_018	7-Aug-07	11.27159	108.65262	Bình Thuận	Phong Phú	4.0	5.9	0.90	0.90	0.015	28.9	451.0	0.23	7.2	Dug
363	BT_019	7-Aug-07	11.18082	108.70256	Bình Thuận	Bình Thạnh	1.2	4.8	0.60	1.10	0.015	29.7	143.3	0.07	7.5	Dug
364	BT_020	7-Aug-07	11.18083	108.70258	Bình Thuận	Bình Thạnh	1.1	3.7	0.60	0.90	0.015	29.3	109.0	0.05	7.7	Dug
365	BT_021	7-Aug-07	11.18427	108.61490	Bình Thuận	Chí Công	1.3	2.4	0.43	0.90	0.100	28.0	234.0	0.12	7.3	Dug
366	BT_022	7-Aug-07	11.18422	108.61491	Bình Thuận	Chí Công	0.5	1.9	0.85	0.90	0.015	27.0	297.0	0.15	7.1	Dug
367	BT_023	7-Aug-07	11.19300	108.58674	Bình Thuận	Hòa Minh	1.4	2.6	0.45	1.10	0.150	27.2	332.0	0.17	3.0	Dug
368	BT_024	7-Aug-07	11.19297	108.58722	Bình Thuận	Hòa Minh	1.2	2.1	0.25	0.85	0.100	27.3	160.0	0.08	6.7	Dug
369	BT_025	7-Aug-07	11.22918	108.61607	Bình Thuận	Phong Phú	1.5	2.3	0.55	1.60	0.200	28.3	24.8	0.01	6.3	Dug
370	BT_026	7-Aug-07	11.22966	108.61403	Bình Thuận	Phong Phú	1.1	1.7	0.45	1.85	0.300	27.5	28.5	0.01	6.4	Dug
371	BT_027	8-Aug-07	11.16533	108.55679	Bình Thuận	Hòa Phú	1.1	4.6	0.55	0.70	0.050	29.7	459.0	0.24	7.5	Dug
372	BT_028	8-Aug-07	11.16576	108.55687	Bình Thuận	Hòa Phú	1.2	5.2	0.80	0.75	0.015	29.6	539.0	0.28	7.8	Dug
373	BT_029	8-Aug-07	11.15557	108.52711	Bình Thuận	Hòa Phú	0.9	3.9	0.40	0.70	0.050	30.6	47.6	0.02	7.9	Dug
374	BT_030	8-Aug-07	11.15572	108.52740	Bình Thuận	Hòa Phú	0.9	4.6	0.85	0.70	0.015	30.9	38.9	0.02	8.1	Dug
375	BT_031	8-Aug-07	11.19697	108.54858	Bình Thuận	Phan Rí Thành	1.7	5.6	0.60	1.50	0.200	28.2	113.5	0.06	7.1	Dug
376	BT_032	8-Aug-07	11.19828	108.54962	Bình Thuận	Phan Rí Thành	0.5	6.0	0.00	0.02	0.000	30.0	555.0	0.29	6.2	Dug
377	BT_033	8-Aug-07	11.22148	108.51012	Bình Thuận	Chợ Lầu	4.3	6.6	0.85	1.00	0.150	30.5	303.0	0.15	7.9	Dug
378	BT_034	8-Aug-07	11.22145	108.51006	Bình Thuận	Chợ Lầu	5.7	7.7	0.60	0.90	0.020	30.6	338.0	0.17	7.9	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
379	BT_035	9-Aug-07	11.20090	108.48773	Bình Thuận	Hồng Thái	3.5	4.7	0.50	0.80	0.050	28.0	251.0	0.13	7.4	Dug
380	BT_036	9-Aug-07	11.20100	108.48777	Bình Thuận	Hồng Thái	2.9	4.1	0.50	0.80	0.050	28.8	332.0	0.17	7.2	Dug
381	BT_037	9-Aug-07	11.22125	108.46933	Bình Thuận	Hồng Thái	3.0	6.2	0.75	1.00	0.150	29.0	165.9	0.08	7.2	Dug
382	BT_038	9-Aug-07	11.22124	108.46940	Bình Thuận	Hồng Thái	2.7	5.8	0.70	0.95	0.150	28.9	128.8	0.06	7.4	Dug
383	BT_039	9-Aug-07	11.19953	108.46059	Bình Thuận	Hồng Thái	3.9	9.6	0.65	0.80	0.100	29.4	178.5	0.09	5.8	Dug
384	BT_040	9-Aug-07	11.20022	108.46005	Bình Thuận	Hồng Thái	3.3	6.6	0.80	0.90	0.040	29.7	235.0	0.12	6.4	Dug
385	BT_041	9-Aug-07	11.21758	108.43506	Bình Thuận	Hồng Thái	0.9	7.2	0.75	0.90	0.100	30.4	455.0	0.24	7.1	Dug
386	BT_042	9-Aug-07	11.21957	108.43473	Bình Thuận	Hồng Thái	0.9	5.9	0.75	0.80	0.050	30.3	878.0	0.47	7.4	Dug
387	BT_043	9-Aug-07	11.21547	108.40676	Bình Thuận	Hồng Thái	1.5	2.3	0.40	1.10	0.120	29.5	30.2	0.01	6.1	Dug
388	BT_044	9-Aug-07	11.21559	108.40688	Bình Thuận	Hồng Thái	1.3	1.6	0.20	0.90	0.060	29.6	18.0	0.01	7.0	Dug
389	BT_045	9-Aug-07	11.19139	108.38088	Bình Thuận	Lương Sơn	2.0	6.2	0.70	0.90	0.100	27.7	57.5	0.03	8.1	Dug
390	BT_046	9-Aug-07	11.19131	108.38109	Bình Thuận	Lương Sơn	2.1	6.0	0.30	0.80	0.040	29.8	56.6	0.03	7.2	Dug
391	BT_047	8-Aug-07	11.26051	108.50015	Bình Thuận	Hải Ninh	2.3	3.8	0.80	0.80	0.020	28.7	165.1	0.08	6.9	Dug
392	BT_048	8-Aug-07	11.26050	108.50016	Bình Thuận	Hải Ninh	5.6	6.8	0.35	0.90	0.015	28.9	130.1	0.06	7.3	Dug
393	BT_049	8-Aug-07	11.28324	108.50231	Bình Thuận	Phan Điền	17.0	2.9	0.50	0.90	0.020	28.6	27.9	0.01	6.2	Dug
394	BT_050	8-Aug-07	11.28348	108.50440	Bình Thuận	Phan Điền	1.7	4.0	0.45	0.80	0.040	29.3	160.2	0.08	6.5	Dug
395	BT_051	9-Aug-07	11.28773	108.49867	Bình Thuận	Phan Điền	1.7	2.9	0.80	0.80	0.050	27.9	33.2	0.02	7.4	Dug
396	BT_052	9-Aug-07	11.29191	108.50168	Bình Thuận	Phan Điền	3.4	6.5	0.45	0.90	0.060	29.3	7.7	0.00	6.2	Dug
397	BT_053	8-Aug-07	11.29971	108.44544	Bình Thuận	Bình An	2.5	3.8	0.70	0.80	0.100	29.3	53.2	0.03	6.9	Dug
398	BT_054	8-Aug-07	11.30490	108.44973	Bình Thuận	Bình An	1.9	3.7	0.65	0.80	0.100	28.9	30.9	0.01	6.6	Dug
399	BT_055	9-Aug-07	10.96111	108.32773	Bình Thuận	P. Mũi Né	1.3	3.1	0.75	0.65	0.060	28.9	51.9	0.03	7.5	Dug
400	BT_056	9-Aug-07	10.96110	108.32791	Bình Thuận	P. Mũi Né	1.4	6.0	0.00	0.03	0.001	30.8	28.3	0.01	6.7	Dug
401	BT_057	10-Aug-07	10.93605	108.28701	Bình Thuận	P. Mũi Né	2.2	3.2	0.60	1.25	0.100	27.6	80.6	0.04	7.6	Dug
402	BT_058	10-Aug-07	10.93648	108.28791	Bình Thuận	P. Mũi Né	1.5	1.9	0.55	1.10	0.060	27.2	188.6	0.09	6.9	Dug
403	BT_059	10-Aug-07	10.95470	108.25056	Bình Thuận	P. Hàm Tiên	0.7	0.8	0.05	0.65	0.040	31.0	15.4	0.01	5.9	Dug
404	BT_060	10-Aug-07	10.95330	108.24993	Bình Thuận	P. Hàm Tiên	1.0	2.2	0.46	0.80	0.050	27.6	13.3	0.01	6.8	Dug
405	BT_061	10-Aug-07	10.97422	108.24841	Bình Thuận	Thiện Nghiệp	1.7	5.7	0.65	1.00	0.100	27.3	33.6	0.02	7.6	Dug
406	BT_062	10-Aug-07	10.97466	108.24827	Bình Thuận	Thiện Nghiệp	1.6	4.0	0.25	1.20	0.100	27.6	31.6	0.02	7.1	Dug
407	BT_063	10-Aug-07	10.72442	107.90228	Bình Thuận	Tân Thuận	1.3	3.0	0.90	1.30	0.080	27.3	137.5	0.07	6.7	Dug
408	BT_064	10-Aug-07	10.72445	107.90224	Bình Thuận	Tân Thuận	1.3	2.5	0.27	0.80	0.040	28.0	129.1	0.06	6.7	Dug
409	BT_065	10-Aug-07	10.72182	107.94339	Bình Thuận	Tân Thành	5.7	6.2	0.25	3.15	0.080	28.3	99.9	0.05	8.4	Dug
410	BT_066	10-Aug-07	10.72208	107.94526	Bình Thuận	Tân Thành	0.5	1.0	0.45	0.90	0.040	27.2	23.4	0.01	7.8	Dug
411	BT_067	10-Aug-07	10.72077	107.96506	Bình Thuận	Tân Thành	1.3	2.0	0.47	1.95	0.080	26.8	54.9	0.03	6.9	Dug
412	BT_068	10-Aug-07	10.72177	107.96521	Bình Thuận	Tân Thành	0.8	1.2	0.15	1.00	0.100	26.9	30.2	0.01	7.0	Dug
413	BT_069	10-Aug-07	10.70217	107.98904	Bình Thuận	Kê Gà	1.1	3.1	0.25	0.90	0.040	29.1	62.3	0.02	7.5	Dug
414	BT_070	10-Aug-07	10.70365	107.98952	Bình Thuận	Kê Gà	1.4	3.0	1.20	0.90	0.050	28.2	33.3	0.02	7.6	Dug
415	BT_071	10-Aug-07	10.73797	107.93810	Bình Thuận	Tân Thành	3.8	4.1	0.77	1.15	0.100	28.2	28.4	0.01	6.6	Dug
416	BT_072	10-Aug-07	10.73818	107.93778	Bình Thuận	Tân Thành	2.4	2.9	0.35	1.20	0.100	28.7	23.3	0.01	7.0	Dug
417	BT_073	10-Aug-07	10.75267	107.88155	Bình Thuận	Tân Thuận	2.8	3.7	0.50	1.10	0.120	27.7	107.6	0.05	9.6	Dug
418	BT_074	10-Aug-07	10.75219	107.88127	Bình Thuận	Tân Thuận	2.6	3.9	0.65	1.25	0.120	27.9	200.0	0.10	6.7	Dug
419	BT_075	10-Aug-07	10.72599	107.87079	Bình Thuận	Tân Hải	2.1	4.7	0.75	1.10	0.100	28.6	76.5	0.04	6.2	Dug
420	BT_076	10-Aug-07	10.72573	107.87081	Bình Thuận	Tân Hải	1.9	3.2	0.47	1.20	0.110	28.0	141.5	0.07	6.1	Dug
421	BT_077	10-Aug-07	10.71091	107.83649	Bình Thuận	Tân Tiến	2.5	3.2	0.60	1.30	0.100	27.6	22.7	0.01	6.6	Dug
422	BT_078	10-Aug-07	10.71089	107.83647	Bình Thuận	Tân Tiến	1.1	2.3	0.70	0.75	0.040	27.7	33.1	0.02	6.3	Dug
423	BT_079	10-Aug-07	10.70211	107.78545	Bình Thuận	Tân Bình	10.0	15.0	0.00	0.05	0.005	27.2	45.1	0.02	6.2	Dug
424	BT_080	10-Aug-07	10.70240	107.78566	Bình Thuận	Tân Bình	2.1	4.2	0.13	0.70	0.050	28.6	12.3	0.01	6.6	Dug
425	BT_081	10-Aug-07	10.67035	107.77639	Bình Thuận	Tân Bình	8.3	10.0	0.40	1.10	0.100	28.3	179.4	0.09	7.0	Dug
426	BT_082	10-Aug-07	10.67056	107.77618	Bình Thuận	Tân Bình	12.0	13.0	0.00	0.05	0.005	28.1	129.2	0.06	6.8	Dug
427	BT_083	7-Aug-07	10.95780	108.14360	Bình Thuận	Thị trấn Phú Long	-999.0	10.0	-999.00	-999.00	-999.000	28.8	423.0	0.22	6.9	Dug
428	BT_084	7-Aug-07	10.95799	108.14447	Bình Thuận	Thị trấn Phú Long	1.2	6.0	0.75	1.30	0.250	27.0	266.0	0.14	6.8	Dug
429	BT_085	7-Aug-07	10.98568	108.15157	Bình Thuận	Thị trấn Phú Long	-999.0	18.0	-999.00	-999.00	-999.000	30.0	197.4	0.10	7.6	Dug
430	BT_086	7-Aug-07	10.98518	108.15282	Bình Thuận	Thị trấn Phú Long	1.3	4.0	0.60	1.70	0.180	28.4	179.1	0.09	7.1	Dug
431	BT_087	7-Aug-07	11.00917	108.15948	Bình Thuận	Hàm Đức	2.1	5.5	0.40	1.10	0.050	29.0	260.0	0.33	7.7	Dug
432	BT_088	7-Aug-07	11.00935	108.16045	Bình Thuận	Hàm Đức	-999.0	7.0	-999.00	-999.00	-999.000	29.7	266.0	0.13	7.4	Drill
433	BT_089	11-Aug-07	11.03943	108.16484	Bình Thuận	Hàm Đức	-999.0	22.0	-999.00	-999.00	-999.000	28.5	577.0	0.30	7.0	Drill
434	BT_090	6-Aug-07	11.04057	108.16488	Bình Thuận	Hàm Đức	-999.0	16.0	-999.00	-999.00	-999.000	29.0	260.0	0.33	7.7	Drill
435	BT_091	6-Aug-07	11.03796	108.21091	Bình Thuận	Hàm Đức	-999.0	6.0	-999.00	-999.00	-999.000	30.0	46.9	0.02	5.4	Drill
436	BT_092	6-Aug-07	11.03784	108.21132	Bình Thuận	Hàm Đức	1.7	4.2	0.70	1.00	0.050	28.4	11.9	0.01	6.7	Dug
437	BT_093	6-Aug-07	11.06238	108.19635	Bình Thuận	Hàm Đức	1.2	2.8	0.70	0.80	0.050	26.9	344.0	0.18	7.4	Dug
438	BT_094	6-Aug-07	11.06195	108.19561	Bình Thuận	Hàm Đức	1.5	2.7	0.70	1.10	0.100	27.7	120.8	0.06	7.2	Dug
439	BT_095	7-Aug-07	10.97047	108.11094	Bình Thuận	Hàm Chính	1.0	3.6	0.60	1.20	0.060	27.0	142.5	0.07	7.9	Dug
440	BT_096	7-Aug-07	10.97051	108.11049	Bình Thuận	Hàm Chính	0.7	4.0	0.40	1.30	0.070	26.3	163.6	0.08	7.5	Dug
441	BT_097	7-Aug-07	10.99085	108.11701	Bình Thuận	Hàm Chính	1.3	3.5	0.50	0.80	0.050	29.7	465.0	0.24	7.2	Dug

Overall Seawater Intrusion Survey (1st Survey Aug. 2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
442	BT_098	7-Aug-07	10.99061	108.11663	Bình Thuận	Hàm Chính	0.8	3.5	0.50	0.80	0.050	26.5	643.0	0.34	7.3	Dug
443	BT_099	7-Aug-07	11.01395	108.12503	Bình Thuận	Hàm Chính	1.1	12.0	0.80	1.30	0.150	28.1	238.0	0.12	7.4	Dug
444	BT_100	7-Aug-07	11.01345	108.12473	Bình Thuận	Hàm Chính	0.9	4.0	0.50	1.00	0.050	27.6	164.3	0.08	7.3	Dug
445	BT_101	7-Aug-07	11.03746	108.12765	Bình Thuận	Hàm Chính	3.2	7.4	0.60	1.60	0.110	28.5	258.0	0.13	7.4	Dug
446	BT_102	7-Aug-07	11.03734	108.12761	Bình Thuận	Hàm Chính	3.2	5.8	0.70	1.30	0.130	28.4	308.0	0.16	7.1	Dug
447	BT_103	7-Aug-07	11.06234	108.12926	Bình Thuận	Hàm Chính	2.8	8.5	0.80	1.60	0.120	27.1	73.0	0.04	7.8	Dug
448	BT_104	7-Aug-07	11.06245	108.12833	Bình Thuận	Ma Lâm	3.8	10.0	0.70	1.10	0.050	28.4	216.0	0.11	7.0	Dug
449	BT_105	8-Aug-07	10.95188	108.08911	Bình Thuận	Phong Nậm -TP. Phan Thiết	1.8	4.1	0.60	1.40	0.100	26.5	400.0	0.21	7.4	Dug
450	BT_106	8-Aug-07	10.95231	108.08955	Bình Thuận	Phong Nậm -TP. Phan Thiết	1.4	6.0	0.55	2.00	0.080	27.2	84.4	0.04	7.1	Dug
451	BT_107	8-Aug-07	10.97220	108.08270	Bình Thuận	Hàm Liêm	2.4	5.0	0.90	2.00	0.100	27.4	102.7	0.05	7.4	Dug
452	BT_108	8-Aug-07	10.97114	108.08117	Bình Thuận	Hàm Liêm	0.7	3.6	0.40	2.00	0.100	28.9	49.6	0.02	6.2	Dug
453	BT_109	8-Aug-07	10.98339	108.05934	Bình Thuận	Hàm Liêm	1.4	5.5	0.55	2.50	0.100	27.3	37.5	0.02	7.0	Dug
454	BT_110	8-Aug-07	10.98346	108.05867	Bình Thuận	Hàm Liêm	0.9	5.0	0.50	2.50	0.100	28.1	70.6	0.03	5.0	Dug
455	BT_111	8-Aug-07	10.95028	108.06788	Bình Thuận	Hàm Hiệp	2.2	8.0	0.35	2.00	0.090	27.0	165.1	0.08	7.6	Dug
456	BT_112	8-Aug-07	10.95043	108.06764	Bình Thuận	Hàm Hiệp	2.4	8.0	0.20	2.00	0.100	27.6	254.0	0.13	7.1	Dug
457	BT_113	8-Aug-07	10.92690	108.06832	Bình Thuận	Tiền Lợi	1.9	8.0	0.90	1.00	0.050	27.1	276.0	0.14	7.8	Dug
458	BT_114	8-Aug-07	10.92693	108.06822	Bình Thuận	Tiền Lợi	2.2	6.5	0.90	1.00	0.050	28.1	350.0	0.18	7.6	Dug
459	BT_115	9-Aug-07	10.92538	108.04632	Bình Thuận	Hàm Mỹ	0.4	2.6	0.20	1.00	0.050	27.4	132.3	0.07	7.8	Dug
460	BT_116	9-Aug-07	10.92551	108.04626	Bình Thuận	Hàm Mỹ	-999.0	18.0	-999.00	-999.00	-999.000	29.5	974.0	0.53	6.8	Drill
461	BT_117	8-Aug-07	10.94984	108.05277	Bình Thuận	Hàm Hiệp	1.3	5.4	0.30	2.00	0.100	28.1	76.1	0.04	6.7	Dug
462	BT_118	8-Aug-07	10.94996	108.05322	Bình Thuận	Hàm Hiệp	-999.0	8.0	-999.00	-999.00	-999.000	28.1	59.4	0.03	6.3	Drill
463	BT_119	8-Aug-07	10.97193	108.04640	Bình Thuận	Hàm Hiệp	1.3	8.9	0.90	4.00	0.100	28.4	138.3	0.07	6.0	Dug
464	BT_120	8-Aug-07	10.97254	108.04765	Bình Thuận	Hàm Hiệp	1.4	9.5	0.30	2.50	0.150	27.1	15.3	0.01	6.8	Dug
465	BT_121	9-Aug-07	10.96287	108.01032	Bình Thuận	Mương Mán	1.6	22.0	1.00	2.00	0.800	26.6	213.0	0.10	8.2	Dug
466	BT_122	9-Aug-07	10.96248	108.00847	Bình Thuận	Mương Mán	3.3	20.0	0.50	2.00	0.170	28.7	730.0	0.39	7.1	Dug
467	BT_123	9-Aug-07	10.97939	107.99308	Bình Thuận	Mương Mán	4.7	10.0	0.20	1.20	0.050	27.2	222.0	0.11	7.3	Dug
468	BT_124	9-Aug-07	10.97883	107.99287	Bình Thuận	Mương Mán	-999.0	17.0	-999.00	-999.00	-999.000	29.1	124.5	0.06	7.0	Drill
469	BT_125	9-Aug-07	10.92231	108.00453	Bình Thuận	Hàm Kiềm	5.0	13.0	0.80	1.50	0.200	27.8	343.0	0.17	7.7	Dug
470	BT_126	9-Aug-07	10.92261	108.00431	Bình Thuận	Hàm Kiềm	1.3	10.0	0.70	1.00	0.050	28.2	230.0	0.12	7.4	Dug
471	BT_127	9-Aug-07	10.90722	107.96526	Bình Thuận	Hàm Cương	-999.0	40.0	-999.00	-999.00	-999.000	27.4	44.4	0.02	6.5	Drill
472	BT_128	9-Aug-07	10.90712	107.96545	Bình Thuận	Hàm Cương	4.3	25.0	0.50	2.00	0.200	28.8	103.7	0.05	7.0	Dug
473	BT_129	9-Aug-07	10.88841	108.06516	Bình Thuận	Tiền Thành	-999.0	12.0	-999.00	-999.00	-999.000	27.6	15.5	0.01	7.1	Drill
474	BT_130	9-Aug-07	10.88833	108.06510	Bình Thuận	Tiền Thành	3.2	4.0	0.60	0.80	0.050	29.8	27.3	0.01	6.4	Dug
475	BT_131	11-Aug-07	10.76908	107.89288	Bình Thuận	Tân Thuận	1.3	6.0	0.90	3.00	0.060	28.0	44.3	0.02	6.5	Dug
476	BT_132	11-Aug-07	10.76897	107.89328	Bình Thuận	Tân Thuận	1.2	4.5	0.80	3.50	0.100	28.1	47.7	0.02	6.4	Dug
477	BT_133	11-Aug-07	10.80539	107.86571	Bình Thuận	Thị Trấn Thuận Nam	7.0	12.0	0.05	1.20	0.800	25.8	375.0	0.19	7.6	Dug
478	BT_134	11-Aug-07	10.80543	107.86506	Bình Thuận	Thị Trấn Thuận Nam	4.0	10.0	1.00	1.20	0.100	26.7	397.0	0.20	7.3	Dug
479	BT_135	10-Aug-07	10.83638	107.86253	Bình Thuận	Thị Trấn Thuận Nam	-999.0	18.0	-999.00	-999.00	-999.000	26.7	54.5	0.03	7.3	Drill
480	BT_136	10-Aug-07	10.83635	107.86144	Bình Thuận	Thị Trấn Thuận Nam	-999.0	15.5	-999.00	-999.00	-999.000	28.3	175.6	0.09	6.8	Drill
481	BT_137	10-Aug-07	10.68498	107.74933	Bình Thuận	Tân An	-999.0	10.0	-999.00	-999.00	-999.000	24.6	50.6	0.02	5.8	Drill
482	BT_138	10-Aug-07	10.68524	107.74909	Bình Thuận	Tân An	-999.0	9.0	-999.00	-999.00	-999.000	24.1	153.3	0.08	5.5	Drill
483	BT_139	10-Aug-07	10.71376	107.72700	Bình Thuận	Tân Xuân	0.6	6.0	0.30	3.00	0.200	27.5	94.3	0.05	6.5	Dug
484	BT_140	10-Aug-07	10.71344	107.72653	Bình Thuận	Tân Xuân	2.3	5.0	0.80	0.90	0.050	27.6	61.6	0.03	6.8	Dug
485	BT_141	10-Aug-07	10.67142	107.73619	Bình Thuận	Tân Phước	1.0	4.0	0.80	1.00	0.050	26.6	52.0	0.03	7.2	Dug
486	BT_142	10-Aug-07	10.67167	107.73640	Bình Thuận	Tân Phước	1.3	5.2	1.00	0.80	0.050	0.0	24.4	0.01	6.5	Dug
487	BT_143	10-Aug-07	10.64833	107.73040	Bình Thuận	Tân Phước	-999.0	8.0	-999.00	-999.00	-999.000	24.0	22.3	0.01	5.7	Drill
488	BT_144	10-Aug-07	10.64843	107.72996	Bình Thuận	Tân Phước	1.0	3.0	0.50	0.60	0.050	26.8	116.2	0.06	6.3	Dug
489	BT_145	10-Aug-07	10.65968	107.69110	Bình Thuận	Sơn Mỹ	14.6	18.0	0.80	2.00	0.150	28.7	11.0	0.01	5.5	Dug
490	BT_146	10-Aug-07	10.65964	107.69067	Bình Thuận	Sơn Mỹ	15.0	20.0	1.00	1.00	0.050	29.0	23.4	0.01	6.0	Dug
491	BT_147	10-Aug-07	10.63825	107.66862	Bình Thuận	Tân Phước	5.3	9.0	0.80	1.00	0.050	28.7	29.3	0.01	6.6	Dug
492	BT_148	10-Aug-07	10.63865	107.66907	Bình Thuận	Sơn Mỹ	5.7	9.0	1.10	0.80	0.050	27.2	17.6	0.01	6.5	Dug
493	BT_149	10-Aug-07	10.61812	107.64897	Bình Thuận	Tân Thắng	0.8	2.8	0.60	0.60	0.050	26.9	64.3	0.03	6.8	Dug
494	BT_150	10-Aug-07	10.61848	107.64831	Bình Thuận	Tân Thắng	1.3	3.5	1.00	1.00	0.050	26.7	265.0	0.13	7.3	Dug
495	BT_151	10-Aug-07	10.60774	107.62435	Bình Thuận	Tân Thắng	0.9	3.5	0.50	1.00	0.050	27.2	38.5	0.02	6.4	Dug
496	BT_152	10-Aug-07	10.60782	107.62421	Bình Thuận	Tân Thắng	0.8	3.5	0.50	1.00	0.050	26.6	54.6	0.03	6.7	Dug
497	BT_153	10-Aug-07	10.60144	107.59714	Bình Thuận	Tân Thắng	1.0	3.8	0.80	1.00	0.050	27.1	49.3	0.02	6.9	Dug
498	BT_154	10-Aug-07	10.60185	107.59762	Bình Thuận	Tân Thắng	1.0	3.5	0.80	1.00	0.050	27.6	25.4	0.01	6.2	Dug
499	BT_155	10-Aug-07	10.64452	107.64746	Bình Thuận	Tân Thắng	1.0	8.0	0.80	1.00	0.050	27.9	86.0	0.04	6.5	Dug
500	BT_156	10-Aug-07	10.64481	107.64710	Bình Thuận	Tân Thắng	1.0	10.0	0.80	1.00	0.050	26.0	51.1	0.03	6.6	Dug

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
1	PY_001	2-Nov-07	13.62403	109.22858	Phú Yên	Thôn 3 - Xuân Hải - Sông Cầu	-999.0	13.0	0.50	0.02	-999.00	30.1	12.1	0.01	6.2	Drill
2	PY_002	2-Nov-07	13.62429	109.22858	Phú Yên	Thôn 3 - Xuân Hải - Sông Cầu	-999.0	13.0	0.40	0.20	-999.00	28.5	9.1	0.00	7.1	Drill
3	PY_003	2-Nov-07	13.60201	109.23545	Phú Yên	Thôn 5 - Xuân Hải - Sông Cầu	-999.0	15.0	0.40	0.20	-999.00	28.5	6.2	0.00	5.3	Drill
4	PY_004	2-Nov-07	13.60159	109.23583	Phú Yên	Thôn 5 - Xuân Hải - Sông Cầu	-999.0	15.0	0.40	0.20	-999.00	30.0	6.7	0.00	6.7	Drill
5	PY_005	2-Nov-07	13.60532	109.21981	Phú Yên	Diên Trường - Sông Cầu	2.7	4.5	0.45	0.50	0.04	29.0	6.2	0.00	5.9	Dud
6	PY_006	2-Nov-07	13.60540	109.22011	Phú Yên	Diên Trường - Sông Cầu	-999.0	4.5	0.40	0.20	-999.00	28.5	6.4	0.01	8.0	Drill
7	PY_007	2-Nov-07	13.58610	109.20953	Phú Yên	Bình Thạnh - Sông Cầu	2.3	4.0	0.45	0.64	0.04	29.5	15.4	0.01	6.5	Dud
8	PY_008	2-Nov-07	13.58635	109.20954	Phú Yên	Thọ Lộc - Sông Cầu	-999.0	4.0	0.40	0.20	-999.00	29.0	11.7	0.01	5.8	Drill
9	PY_009	2-Nov-07	13.60503	109.19333	Phú Yên	Mỹ Lộc - Sông Cầu	1.1	4.0	0.55	0.65	0.04	28.5	90.1	0.05	6.2	Dud
10	PY_010	2-Nov-07	13.60490	109.19321	Phú Yên	Mỹ Lộc - Sông Cầu	2.0	4.1	0.40	0.55	0.04	29.0	251.0	0.10	6.3	Dud
11	PY_011	2-Nov-07	13.56196	109.20489	Phú Yên	Bình Thạnh Nam - Sông Cầu	3.5	7.2	0.80	0.70	0.02	28.5	29.2	0.01	6.4	Dud
12	PY_012	2-Nov-07	13.56164	109.20456	Phú Yên	Bình Thạnh Nam - Sông Cầu	4.6	8.0	0.50	0.60	0.03	29.3	76.8	0.03	7.1	Dud
13	PY_013	2-Nov-07	13.64102	109.18243	Phú Yên	Long Thành - Sông Cầu	4.0	15.0	0.03	0.60	0.02	28.0	17.4	0.01	5.7	Dud
14	PY_014	2-Nov-07	13.64088	109.18295	Phú Yên	Long Thành - Sông Cầu	-999.0	7.0	0.40	0.20	-999.00	27.9	14.2	0.01	5.7	Drill
15	PY_015	2-Nov-07	13.52154	109.24481	Phú Yên	Hoà Hiệp - Sông Cầu	6.8	10.3	0.40	0.55	0.03	30.0	39.3	0.02	6.3	Dud
16	PY_016	2-Nov-07	13.52151	109.24470	Phú Yên	Hoà Hiệp - Sông Cầu	-999.0	10.0	0.40	0.20	-999.00	28.5	85.9	0.04	8.0	Drill
17	PY_017	2-Nov-07	13.51415	109.26771	Phú Yên	Phú Dương - Sông Cầu	-999.0	7.0	0.50	0.10	-999.00	27.4	26.8	0.01	6.8	Drill
18	PY_018	2-Nov-07	13.51286	109.26950	Phú Yên	Phú Dương - Sông Cầu	1.5	4.0	0.50	0.62	0.02	29.0	27.7	0.01	6.4	Dud
19	PY_019	2-Nov-07	13.49017	109.28398	Phú Yên	Phú Dương - Sông Cầu	3.1	6.2	0.80	0.82	0.02	30.0	24.6	0.01	6.3	Dud
20	PY_020	2-Nov-07	13.49018	109.28399	Phú Yên	Phú Dương - Sông Cầu	1.6	4.5	1.00	0.82	0.02	29.5	28.8	0.01	6.7	Dud
21	PY_021	3-Nov-07	13.45330	109.22051	Phú Yên	Long Hải Nam - Sông Cầu	3.2	6.3	0.30	0.60	0.02	28.0	82.6	0.04	7.0	Dud
22	PY_022	3-Nov-07	13.45389	109.21957	Phú Yên	Long Hải Nam - Sông Cầu	2.1	4.3	0.35	1.50	0.05	28.8	100.6	0.04	7.2	Dud
23	PY_023	3-Nov-07	13.46156	109.20657	Phú Yên	Long Bình - Sông Cầu	4.1	7.2	0.35	0.60	0.04	28.6	27.6	0.01	7.1	Dud
24	PY_024	3-Nov-07	13.46137	109.20515	Phú Yên	Long Bình - Sông Cầu	2.8	5.7	0.30	0.70	0.04	28.0	25.4	0.01	7.1	Dud
25	PY_025	3-Nov-07	13.46953	109.18868	Phú Yên	Bình Đông - Sông Cầu	5.6	8.2	0.35	0.65	0.02	28.6	45.7	0.02	6.8	Dud
26	PY_026	3-Nov-07	13.47036	109.18840	Phú Yên	Bình Đông - Sông Cầu	1.3	6.5	0.45	0.40	0.02	29.0	14.4	0.01	5.8	Dud
27	PY_027	3-Nov-07	13.41441	109.21359	Phú Yên	Chánh Nam - Sông Cầu	1.6	4.3	0.65	0.72	0.02	29.5	126.3	0.06	6.5	Dud
28	PY_028	3-Nov-07	13.41425	109.21311	Phú Yên	Chánh Nam - Sông Cầu	2.7	5.5	0.75	0.55	0.02	29.5	96.7	0.05	7.1	Dud
29	PY_029	3-Nov-07	13.39378	109.21313	Phú Yên	Tân Thạnh - Sông Cầu	1.6	4.8	0.80	0.70	0.02	29.5	460.0	0.21	7.2	Dud
30	PY_030	3-Nov-07	13.39441	109.21342	Phú Yên	Tân Thạnh - Sông Cầu	1.8	3.5	0.35	0.65	0.02	29.5	169.0	0.08	6.8	Dud
31	PY_031	3-Nov-07	13.38260	109.23782	Phú Yên	An Thạnh - Sông Cầu	1.5	2.5	0.01	1.60	0.50	28.6	42.3	0.02	6.6	Dud
32	PY_032	3-Nov-07	13.38248	109.23780	Phú Yên	An Thạnh - Sông Cầu	1.7	3.0	0.01	1.00	0.45	29.0	36.1	0.02	6.3	Dud
33	PY_033	3-Nov-07	13.37897	109.23289	Phú Yên	Mỹ Lương - Sông Cầu	1.0	3.5	0.35	0.65	0.02	28.5	65.4	0.03	6.7	Dud
34	PY_034	3-Nov-07	13.37853	109.23282	Phú Yên	Mỹ Lương - Sông Cầu	4.3	7.5	0.70	1.00	0.03	27.5	51.9	0.03	7.3	Dud
35	PY_035	3-Nov-07	13.34237	109.26533	Phú Yên	Thôn 5 - An Ninh Đông	1.6	4.2	1.00	0.57	0.02	28.5	167.4	0.08	7.1	Dud
36	PY_036	3-Nov-07	13.34231	109.26537	Phú Yên	Thôn 5 - An Ninh Đông	1.7	4.6	0.70	0.64	0.04	29.5	237.0	0.11	7.1	Dud
37	PY_037	3-Nov-07	13.33781	109.24070	Phú Yên	Thôn 1 - An Ninh Tây	1.8	5.5	0.45	0.82	0.06	29.0	84.2	0.04	6.7	Dud
38	PY_038	3-Nov-07	13.33764	109.24036	Phú Yên	Thôn 1 - An Ninh Tây	1.4	6.1	0.40	0.70	0.02	29.5	37.8	0.02	6.6	Dud
39	PY_039	3-Nov-07	13.33155	109.21889	Phú Yên	Hội Tín - An Thạnh	2.1	5.1	0.58	0.60	0.02	29.0	29.8	0.01	6.3	Dud
40	PY_040	3-Nov-07	13.33159	109.21890	Phú Yên	Hội Tín - An Thạnh	3.2	5.5	0.55	0.60	0.02	29.5	18.7	0.01	6.5	Dud
41	PY_041	3-Nov-07	13.31979	109.21599	Phú Yên	Trường Xuân - Tuy An	2.3	4.6	1.00	0.60	0.02	30.0	28.0	0.01	6.4	Dud
42	PY_042	3-Nov-07	13.31911	109.21519	Phú Yên	Trường Xuân - Tuy An	1.0	5.0	0.80	0.62	0.02	29.0	19.3	0.01	6.6	Dud
43	PY_043	3-Nov-07	13.29525	109.22837	Phú Yên	Chí Đức - Chí Thạnh - Tuy An	0.9	3.6	0.65	0.97	0.07	30.0	168.0	0.09	7.4	Dud
44	PY_044	3-Nov-07	13.29563	109.22793	Phú Yên	Chí Đức - Chí Thạnh - Tuy An	1.2	4.2	0.80	0.87	0.04	29.0	342.0	0.12	7.5	Dud
45	PY_045	4-Nov-07	13.31253	109.19958	Phú Yên	Hậu - Tuy An	2.3	4.6	0.70	0.80	0.02	29.0	30.5	0.02	5.8	Dud
46	PY_046	4-Nov-07	13.31188	109.19914	Phú Yên	Hậu - Tuy An	8.0	11.0	0.50	0.80	0.02	29.5	22.7	0.01	5.5	Dud
47	PY_047	4-Nov-07	13.29727	109.19754	Phú Yên	Phong Thạnh - Chí Thạnh	0.8	3.3	0.65	0.75	0.04	29.5	26.1	0.01	6.3	Dud
48	PY_048	4-Nov-07	13.29708	109.19765	Phú Yên	Phong Thạnh - Chí Thạnh	1.1	2.7	0.75	0.76	0.03	29.0	15.1	0.01	5.6	Dud
49	PY_049	4-Nov-07	13.31768	109.18481	Phú Yên	Định Trung 2 - Tuy An	8.1	13.0	0.50	0.80	0.04	28.5	102.0	0.04	6.7	Dud
50	PY_050	4-Nov-07	13.31768	109.18498	Phú Yên	Định Trung 2 - Tuy An	6.1	9.8	0.25	0.70	0.03	29.0	62.7	0.03	6.7	Dud
51	PY_051	4-Nov-07	13.30131	109.16142	Phú Yên	Trung Lương 1 - Tuy An	1.1	6.2	0.75	0.76	0.03	29.5	402.0	0.19	7.4	Dud
52	PY_052	4-Nov-07	13.30094	109.16149	Phú Yên	Trung Lương 1 - Tuy An	1.4	7.5	0.95	0.74	0.03	28.6	76.8	0.04	7.0	Dud
53	PY_053	4-Nov-07	13.34094	109.15291	Phú Yên	Tân Vinh - Xuân Sơn Nam	0.7	3.2	0.80	0.70	0.02	28.9	49.7	0.02	6.5	Dud
54	PY_054	4-Nov-07	13.34071	109.15300	Phú Yên	Tân Vinh - Xuân Sơn Nam	1.0	4.1	0.60	0.70	0.04	28.5	87.3	0.04	6.8	Dud
55	PY_055	4-Nov-07	13.39144	109.10598	Phú Yên	Long Bình - La Hai	1.8	9.0	0.55	0.80	0.03	29.0	78.0	0.04	6.2	Dud
56	PY_056	4-Nov-07	13.39116	109.10584	Phú Yên	Long Bình - La Hai	2.3	8.5	0.65	0.70	0.03	28.7	21.3	0.01	5.7	Dud
57	PY_057	4-Nov-07	13.34843	109.09249	Phú Yên	Phước Lộc - Xuân Quang 3	0.9	8.0	0.37	0.97	0.07	30.0	42.9	0.02	6.9	Dud
58	PY_058	4-Nov-07	13.34857	109.09271	Phú Yên	Phước Lộc - Xuân Quang 3	1.9	7.9	0.65	0.95	0.02	28.7	73.6	0.03	7.2	Dud
59	PY_059	4-Nov-07	13.30044	109.07110	Phú Yên	Phước Hoà - Xuân Phước	2.6	7.4	0.55	1.00	0.03	28.9	93.7	0.05	7.8	Dud
60	PY_060	4-Nov-07	13.30089	109.07141	Phú Yên	Phước Hoà - Xuân Phước	2.6	8.2	0.65	0.70	0.03	29.5	101.7	0.05	7.5	Dud
61	PY_061	4-Nov-07	13.23173	109.28512	Phú Yên	Tân An - Tuy An	1.3	5.8	0.50	0.65	0.03	29.5	124.9	0.06	7.2	Dud
62	PY_062	4-Nov-07	13.23148	109.28518	Phú Yên	Tân An - Tuy An	1.6	4.0	0.01	1.20	0.02	30.6	487.0	0.25	7.3	Dud

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
63	PY_063	4-Nov-07	13.19197	109.28682	Phú Yên	Phú Phong - Tuy An	0.7	4.0	0.35	0.70	0.04	29.5	157.4	0.06	7.4	Dud
64	PY_064	4-Nov-07	13.19190	109.28657	Phú Yên	Phú Phong - Tuy An	0.7	3.9	0.45	0.35	0.02	29.0	123.4	0.05	7.2	Dud
65	PY_065	4-Nov-07	13.16532	109.28837	Phú Yên	Xuân Dục - Tuy An	1.7	7.2	0.35	0.80	0.03	29.5	59.5	0.02	6.9	Dud
66	PY_066	4-Nov-07	13.16499	109.28833	Phú Yên	Xuân Dục - Tuy An	1.9	6.0	0.45	0.60	0.03	29.6	58.7	0.03	7.3	Dud
67	PY_067	5-Nov-07	13.21203	109.28688	Phú Yên	Giai Sơn - Tuy An	3.2	6.5	0.60	0.50	0.03	30.0	56.4	0.03	6.7	Dud
68	PY_068	5-Nov-07	13.21184	109.28693	Phú Yên	Giai Sơn - Tuy An	3.4	6.5	0.70	0.50	0.03	30.5	97.8	0.05	7.1	Dud
69	PY_069	5-Nov-07	13.21110	109.26802	Phú Yên	Hoà Đa - Tuy An	2.1	5.5	0.35	1.20	0.03	30.0	82.9	0.04	7.2	Dud
70	PY_070	5-Nov-07	13.21161	109.26761	Phú Yên	Hoà Đa - Tuy An	3.3	6.7	0.30	1.80	0.03	29.5	55.7	0.03	6.8	Dud
71	PY_071	5-Nov-07	13.24212	109.25679	Phú Yên	Phong Phú - Tuy An	1.2	4.5	0.55	0.50	0.03	29.0	327.0	0.16	7.3	Dud
72	PY_072	5-Nov-07	13.24612	109.25556	Phú Yên	Mỹ Phú 2 - Tuy An	2.1	7.5	0.40	2.00	0.04	29.0	137.1	0.06	7.6	Dud
73	PY_073	29-Oct-07	13.11484	109.29422	Phú Yên	P9- Liên Trì	4.8	8.0	0.40	0.85	0.06	28.0	248.6	0.02	7.4	Dud
74	PY_074	29-Oct-07	13.11467	109.29601	Phú Yên	P9- Liên Trì	4.0	6.3	0.90	0.95	0.06	27.8	33.6	0.01	7.0	Dud
75	PY_075	29-Oct-07	13.11001	109.24673	Phú Yên	Hòa Kiến- Phú Hoà	1.5	8.0	0.87	1.00	0.11	28.1	168.0	0.03	7.1	Dud
76	PY_076	29-Oct-07	13.11011	109.24689	Phú Yên	Hòa Kiến- Phú Hoà	7.0	4.0	0.67	0.83	0.04	28.0	125.0	0.04	7.2	Dud
77	PY_077	29-Oct-07	13.13434	109.21906	Phú Yên	Hòa Kiến- Phú Hoà	4.0	5.2	0.60	0.70	0.04	27.0	38.0	0.02	6.5	Dud
78	PY_078	29-Oct-07	13.13435	109.21976	Phú Yên	Hòa Kiến- Phú Hoà	6.1	9.0	0.73	1.05	0.09	27.5	104.0	0.03	6.9	Dud
79	PY_079	29-Oct-07	13.08384	109.28250	Phú Yên	Hòa Trì - Phú Hoà	2.1	8.0	0.03	0.06	-999.00	27.0	47.9	0.02	7.2	Drill
80	PY_080	29-Oct-07	13.08359	109.28221	Phú Yên	Hòa Trì - Phú Hoà	3.5	8.0	0.03	0.06	-999.00	27.0	65.3	0.03	7.0	Drill
81	PY_081	29-Oct-07	13.08464	109.25083	Phú Yên	Hòa Trì - Phú Hoà	1.9	3.7	0.73	1.08	0.07	28.0	264.0	0.14	7.1	Dud
82	PY_082	29-Oct-07	13.08443	109.25091	Phú Yên	Hòa Trì - Phú Hoà	2.1	9.0	0.63	0.80	0.08	30.0	129.0	0.05	6.9	Dud
83	PY_083	29-Oct-07	13.08151	109.21231	Phú Yên	Hòa Quang Bắc- Phú Hoà	2.0	5.8	0.43	0.80	0.05	27.5	121.0	0.05	6.8	Dud
84	PY_084	29-Oct-07	13.08243	109.21027	Phú Yên	Hòa Quang Bắc- Phú Hoà	3.1	4.4	0.40	0.80	0.04	27.9	18.1	0.01	7.1	Dud
85	PY_085	30-Oct-07	13.07613	109.28495	Phú Yên	Hòa An - Phú Hoà	4.5	7.5	0.50	1.00	0.06	28.0	50.9	0.01	7.0	Dud
86	PY_086	30-Oct-07	13.07584	109.28497	Phú Yên	Hòa An - Phú Hoà	3.2	1.0	0.55	0.85	0.04	27.6	31.0	0.01	5.9	Dud
87	PY_087	30-Oct-07	13.04936	109.24827	Phú Yên	Hòa Thăng- Phú Hoà	1.8	22.0	-999.00	-999.00	-999.00	27.0	60.0	0.04	6.9	Drill
88	PY_088	30-Oct-07	13.04928	109.24831	Phú Yên	Hòa Thăng- Phú Hoà	4.8	9.0	0.12	0.06	-999.00	29.0	12.0	0.03	6.8	Drill
89	PY_089	30-Oct-07	13.02534	109.22194	Phú Yên	Hòa Đình Đông- Phú Hoà	3.6	5.0	0.82	0.90	0.05	26.7	51.0	0.02	6.7	Dud
90	PY_090	30-Oct-07	13.02538	109.22173	Phú Yên	Hòa Đình Đông- Phú Hoà	3.1	5.0	0.90	1.10	0.18	27.9	63.8	0.04	6.3	Dud
91	PY_091	30-Oct-07	13.01337	109.14455	Phú Yên	Hoà Định Tây- Phú Hoà	1.9	4.5	0.65	0.89	0.04	27.0	18.0	0.01	5.5	Dud
92	PY_092	30-Oct-07	13.01353	109.14417	Phú Yên	Hoà Định Tây- Phú Hoà	2.3	5.0	0.92	0.72	0.05	27.7	15.1	0.01	5.7	Dud
93	PY_093	30-Oct-07	13.04227	109.09982	Phú Yên	Hoà Hội - Hoà Phú	1.9	10.7	0.67	0.94	0.07	28.0	127.1	0.05	7.3	Dud
94	PY_094	30-Oct-07	13.04241	109.09965	Phú Yên	Hoà Hội - Hoà Phú	3.4	10.8	0.80	0.94	0.06	27.5	141.0	0.06	6.9	Dud
95	PY_095	30-Oct-07	13.05498	109.31219	Phú Yên	Phú Lâm	3.6	11.0	0.47	0.96	0.08	28.5	48.0	0.02	6.5	Dud
96	PY_096	30-Oct-07	13.05512	109.31209	Phú Yên	Phú Lâm	4.1	10.0	0.77	1.05	0.10	27.9	56.1	0.03	5.8	Dud
97	PY_097	30-Oct-07	13.02281	109.27862	Phú Yên	Hòa Bình 1- Tây Hoà	2.1	5.0	0.55	1.07	0.11	28.0	45.0	0.02	7.2	Dud
98	PY_098	30-Oct-07	13.02272	109.27832	Phú Yên	Hòa Bình 1- Tây Hoà	1.9	5.0	0.50	0.95	0.11	27.0	48.0	0.01	6.8	Dud
99	PY_099	30-Oct-07	13.00346	109.23010	Phú Yên	Hòa Bình 2- Tây Hoà	1.9	6.0	0.70	0.97	0.08	27.5	108.0	0.04	6.7	Dud
100	PY_100	30-Oct-07	13.00360	109.22913	Phú Yên	Hòa Bình 2- Tây Hoà	3.4	4.0	0.63	0.83	0.12	27.5	103.1	0.04	6.9	Dud
101	PY_101	31-Oct-07	12.99338	109.19022	Phú Yên	Hòa Phong	1.0	3.6	0.63	0.87	0.04	23.0	35.0	0.01	6.5	Dud
102	PY_102	31-Oct-07	12.99303	109.18884	Phú Yên	Hòa Phong	1.0	4.0	0.63	1.00	0.12	25.0	69.0	0.03	6.8	Dud
103	PY_103	31-Oct-07	12.98044	109.15640	Phú Yên	Hòa Phú	1.8	7.8	0.80	1.05	0.10	26.0	191.0	0.10	6.5	Dud
104	PY_104	31-Oct-07	12.98029	109.15567	Phú Yên	Hòa Phú	1.4	8.0	0.70	0.95	0.10	26.0	48.1	0.01	6.7	Dud
105	PY_105	31-Oct-07	12.98321	109.09670	Phú Yên	Sơn Thành Đông	12.0	18.5	0.70	1.30	0.12	25.2	24.3	0.01	6.9	Dud
106	PY_106	31-Oct-07	12.98274	109.09481	Phú Yên	Sơn Thành Đông	14.4	20.0	0.57	1.37	0.12	24.2	14.2	0.01	7.9	Dud
107	PY_107	31-Oct-07	12.98746	109.23293	Phú Yên	Hòa Đông	1.1	4.0	0.62	0.84	0.10	28.5	25.2	0.02	6.4	Dud
108	PY_108	31-Oct-07	12.98679	109.23254	Phú Yên	Hòa Đông	1.3	4.0	0.60	0.90	0.10	28.0	33.6	0.02	6.6	Dud
109	PY_109	31-Oct-07	12.96537	109.21486	Phú Yên	Hòa Mỹ Đông	1.6	5.0	0.60	0.90	0.10	29.0	17.7	0.01	7.0	Dud
110	PY_110	31-Oct-07	12.96513	109.21424	Phú Yên	Hòa Mỹ Đông	1.1	4.5	0.50	0.90	0.04	28.6	68.6	0.04	6.7	Dud
111	PY_111	31-Oct-07	12.99810	109.32729	Phú Yên	Hòa Vinh	1.8	7.0	0.36	0.90	0.06	29.0	69.2	0.03	7.3	Dud
112	PY_112	31-Oct-07	12.99960	109.32867	Phú Yên	Hòa Vinh	1.0	9.0	0.90	0.92	0.05	29.0	93.0	0.05	7.5	Dud
113	PY_113	31-Oct-07	12.99654	109.25969	Phú Yên	Hòa Tân Tây	0.9	4.5	0.67	0.70	0.17	30.0	44.3	0.01	6.5	Dud
114	PY_114	31-Oct-07	12.99650	109.25781	Phú Yên	Hòa Tân Tây	1.1	6.0	0.70	0.93	0.07	29.0	25.6	0.01	7.4	Dud
115	PY_115	31-Oct-07	12.92580	109.23808	Phú Yên	Hòa Thịnh	0.4	3.0	0.05	0.90	0.05	28.0	65.2	0.01	7.4	Dud
116	PY_116	31-Oct-07	12.92916	109.23971	Phú Yên	Hòa Thịnh	0.4	4.0	0.04	0.90	0.05	30.0	42.5	0.02	7.4	Dud
117	PY_117	1-Nov-07	12.89635	109.23527	Phú Yên	Hòa Thịnh	1.5	5.3	0.60	0.60	0.04	27.7	26.1	0.02	6.3	Dud
118	PY_118	1-Nov-07	12.89640	109.23534	Phú Yên	Hòa Thịnh	0.6	4.0	0.48	0.65	0.10	28.5	10.5	0.01	6.5	Dud
119	PY_119	1-Nov-07	12.95443	109.18857	Phú Yên	Hòa Mỹ Tây	1.9	5.0	0.66	0.85	0.04	28.0	14.0	0.01	6.5	Dud
120	PY_120	1-Nov-07	12.95423	109.18851	Phú Yên	Hòa Mỹ Tây	2.0	4.7	0.77	0.83	0.10	27.5	8.4	0.00	6.4	Dud
121	PY_121	1-Nov-07	12.93360	109.15549	Phú Yên	Hòa Mỹ Tây	1.8	7.0	0.90	1.03	0.08	29.0	9.0	0.00	6.8	Dud
122	PY_122	1-Nov-07	12.93310	109.15571	Phú Yên	Hòa Mỹ Tây	2.4	7.0	0.80	0.92	0.10	29.1	7.5	0.00	6.5	Dud
123	PY_123	1-Nov-07	13.01861	109.35391	Phú Yên	Hòa Bắc	2.4	12.0	0.09	0.04	-999.00	30.1	12.8	0.01	6.8	Drill
124	PY_124	1-Nov-07	13.01846	109.35371	Phú Yên	Hòa Bắc	1.9	13.0	0.00	0.04	-999.00	29.3	20.8	0.02	6.7	Drill

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
125	PY_125	1-Nov-07	12.99303	109.37064	Phú Yên	Hòa Hiệp Trung	2.9	9.0	0.70	1.10	0.09	29.0	17.7	0.01	6.8	Dud
126	PY_126	1-Nov-07	12.99307	109.37066	Phú Yên	Hòa Hiệp Trung	2.5	10.0	0.75	1.07	0.10	28.2	30.5	0.01	6.9	Dud
127	PY_127	1-Nov-07	12.96425	109.39928	Phú Yên	Hòa Hiệp Nam	3.9	10.0	0.70	0.96	0.08	30.1	17.1	0.02	6.6	Dud
128	PY_128	1-Nov-07	12.96420	109.39911	Phú Yên	Hòa Hiệp Nam	3.1	10.0	0.52	1.00	0.07	28.6	19.9	0.02	6.7	Dud
129	PY_129	1-Nov-07	12.93379	109.42078	Phú Yên	Hòa Tân	2.4	7.0	0.78	0.90	0.04	28.6	9.8	0.00	6.7	Dud
130	PY_130	1-Nov-07	12.93387	109.42077	Phú Yên	Hòa Tân	1.9	5.0	0.50	1.00	0.06	27.5	29.3	0.01	7.0	Dud
131	PY_131	1-Nov-07	12.95916	109.35042	Phú Yên	Hòa Sơn Đông	1.1	5.0	0.88	0.90	0.12	28.6	99.0	0.03	7.2	Dud
132	PY_132	1-Nov-07	12.95922	109.35056	Phú Yên	Hòa Sơn Đông	1.1	7.0	0.20	0.05	-999.00	28.0	77.1	0.03	7.0	Drill
133	PY_133	1-Nov-07	12.90258	109.38363	Phú Yên	Hòa Sơn Nam	0.4	4.0	0.67	0.72	0.03	28.5	56.5	0.01	7.0	Dud
134	PY_134	1-Nov-07	12.90271	109.38367	Phú Yên	Hòa Sơn Nam	0.6	4.3	0.67	0.72	0.03	28.0	36.6	0.01	6.5	Dud
135	KH_001	7-Dec-07	12.77616	109.30948	Khánh Hòa	Tân Phước	-999.0	21.0	-999.00	-999.00	-999.00	29.1	69.9	0.03	7.0	Drill
136	KH_002	7-Dec-07	12.77523	109.30762	Khánh Hòa	Tân Phước	-999.0	25.0	-999.00	-999.00	-999.00	29.0	75.1	0.04	8.0	Dud
137	KH_003	7-Dec-07	12.72896	109.26569	Khánh Hòa	Vạn Thắng	2.5	5.0	0.65	1.45	0.10	28.1	23.2	0.01	7.1	Dud
138	KH_004	7-Dec-07	12.72820	109.26593	Khánh Hòa	Vạn Thắng	5.0	7.5	0.30	1.10	0.05	28.0	130.0	0.05	7.2	Dud
139	KH_005	7-Dec-07	12.72129	109.23465	Khánh Hòa	Vạn Bình	1.2	3.6	0.80	0.70	0.03	30.1	36.2	0.03	6.6	Dud
140	KH_006	7-Dec-07	12.72055	109.23584	Khánh Hòa	Vạn Bình	0.5	6.0	0.30	0.80	0.05	30.0	41.1	0.04	7.2	Dud
141	KH_007	7-Dec-07	12.70568	109.23743	Khánh Hòa	Vạn Thắng	3.6	5.0	1.00	0.80	0.05	28.8	35.1	0.01	6.4	Dud
142	KH_008	7-Dec-07	12.70593	109.23729	Khánh Hòa	Vạn Thắng	1.7	3.1	0.75	0.80	0.05	28.5	32.6	0.01	6.6	Dud
143	KH_009	7-Dec-07	12.68001	109.21430	Khánh Hòa	Vạn Lương	1.6	6.0	0.60	1.10	0.10	29.8	85.7	0.05	7.6	Dud
144	KH_010	7-Dec-07	12.68041	109.21371	Khánh Hòa	Vạn Lương	1.9	4.5	0.40	0.85	0.04	30.0	75.7	0.01	7.1	Dud
145	KH_011	7-Dec-07	12.68954	109.19763	Khánh Hòa	Vạn Lương	1.1	2.5	0.50	1.00	0.23	29.4	120.1	0.07	7.2	Dud
146	KH_012	7-Dec-07	12.68903	109.19861	Khánh Hòa	Vạn Lương	1.0	6.5	1.00	1.00	0.15	29.6	145.0	0.18	7.7	Dud
147	KH_013	7-Dec-07	12.65757	109.20283	Khánh Hòa	Vạn Hưng	2.2	5.0	0.80	1.00	0.03	29.1	143.0	0.11	7.1	Dud
148	KH_014	7-Dec-07	12.65696	109.20242	Khánh Hòa	Vạn Hưng	3.3	9.0	0.65	1.40	0.10	29.0	171.0	0.30	7.2	Dud
149	KH_015	7-Dec-07	12.67059	109.14981	Khánh Hòa	Xuân Sơn	-999.0	12.0	-999.00	-999.00	-999.00	31.0	120.1	0.05	8.1	Drill
150	KH_016	7-Dec-07	12.67013	109.15159	Khánh Hòa	Xuân Sơn	1.7	4.0	1.00	0.80	0.05	28.0	90.1	0.03	7.5	Dud
151	KH_017	8-Dec-07	12.53259	109.18712	Khánh Hòa	Ninh Thọ	4.5	10.0	0.80	1.25	0.15	29.5	90.1	0.03	7.6	Dud
152	KH_018	8-Dec-07	12.53639	109.18722	Khánh Hòa	Ninh Thọ	4.6	5.5	0.80	1.20	0.15	29.0	27.0	0.01	7.8	Dud
153	KH_019	8-Dec-07	12.55230	109.21755	Khánh Hòa	Ninh Diên	5.0	10.0	0.50	1.20	0.10	30.0	189.9	0.15	6.8	Dud
154	KH_020	8-Dec-07	12.55200	109.21787	Khánh Hòa	Ninh Diên	5.1	9.0	0.80	1.20	0.15	29.5	350.0	0.10	7.0	Dud
155	KH_021	8-Dec-07	12.55447	109.16618	Khánh Hòa	Ninh An	1.1	5.0	0.15	1.40	0.15	27.0	169.3	0.07	6.2	Dud
156	KH_022	8-Dec-07	12.55347	109.16581	Khánh Hòa	Ninh An	1.6	13.0	0.80	1.05	0.10	27.0	132.9	0.06	7.5	Dud
157	KH_023	8-Dec-07	12.60223	109.13293	Khánh Hòa	Ninh Sơn	6.1	9.0	1.00	1.00	0.10	29.0	50.9	0.01	7.1	Dud
158	KH_024	8-Dec-07	12.60206	109.13339	Khánh Hòa	Ninh Sơn	6.0	8.0	0.80	1.10	0.15	28.9	60.5	0.04	6.2	Dud
159	KH_025	8-Dec-07	12.53452	109.13342	Khánh Hòa	Ninh Đông	1.0	3.0	0.80	1.00	0.05	30.0	59.9	0.01	6.7	Dud
160	KH_026	8-Dec-07	12.53339	109.13532	Khánh Hòa	Ninh Đông	2.1	5.0	0.90	1.00	0.05	29.9	39.4	0.01	6.4	Dud
161	KH_027	8-Dec-07	12.50489	109.14901	Khánh Hòa	Ninh Đa	4.0	8.0	0.80	1.20	0.15	30.0	273.0	0.35	8.0	Dud
162	KH_028	8-Dec-07	12.50479	109.14931	Khánh Hòa	Ninh Đa	2.0	12.0	0.80	1.40	0.15	30.0	231.0	0.15	7.9	Dud
163	KH_029	8-Dec-07	12.47099	109.13715	Khánh Hòa	Ninh Hà	1.6	3.5	0.75	1.20	0.15	29.7	252.0	0.20	7.2	Dud
164	KH_030	8-Dec-07	12.47131	109.13599	Khánh Hòa	Ninh Hà	1.0	2.5	0.70	1.20	0.15	29.6	95.2	0.03	6.5	Dud
165	KH_031	8-Dec-07	12.43689	109.12439	Khánh Hòa	Ninh Lộc	1.5	3.0	0.60	1.20	0.15	31.0	130.2	0.08	7.5	Dud
166	KH_032	8-Dec-07	12.43736	109.12466	Khánh Hòa	Ninh Lộc	1.0	3.0	0.80	1.20	0.15	32.0	195.0	0.40	7.9	Dud
167	KH_033	8-Aug-07	12.50316	109.10673	Khánh Hòa	Ninh Phụng	1.5	4.0	0.75	1.20	0.15	30.0	150.3	0.06	6.9	Dud
168	KH_034	8-Aug-07	12.50315	109.10655	Khánh Hòa	Ninh Phụng	1.6	8.0	0.80	1.00	0.15	30.3	90.3	0.05	7.0	Dud
169	KH_035	8-Dec-07	12.54508	109.10104	Khánh Hòa	Ninh Trung	2.0	3.5	0.80	1.20	0.25	29.5	200.1	0.20	7.3	Dud
170	KH_036	8-Dec-07	12.54491	109.10095	Khánh Hòa	Ninh Trung	2.2	3.5	0.80	1.00	0.20	29.0	180.1	0.06	7.2	Dud
171	KH_037	8-Dec-07	12.56549	109.07231	Khánh Hòa	Ninh Thượng	1.8	10.0	1.00	1.20	0.20	29.5	120.3	0.04	7.2	Dud
172	KH_038	8-Dec-07	12.56478	109.07177	Khánh Hòa	Ninh Thượng	2.3	5.0	0.80	1.20	0.10	29.3	160.5	0.06	7.3	Dud
173	KH_039	8-Dec-07	12.59789	109.04949	Khánh Hòa	Ninh Trang	-999.0	18.0	-999.00	-999.00	-999.00	30.0	23.1	0.01	6.3	Drill
174	KH_040	8-Dec-07	12.59811	109.04963	Khánh Hòa	Ninh Trang	4.8	8.0	0.80	1.00	0.15	29.5	25.0	0.03	7.3	Dud
175	KH_041	8-Dec-07	12.46359	109.10036	Khánh Hòa	Ninh Luân	1.5	3.5	0.60	1.20	0.25	29.0	190.0	0.11	7.2	Dud
176	KH_042	8-Dec-07	12.46401	109.10065	Khánh Hòa	Ninh Luân	-999.0	11.0	-999.00	-999.00	-999.00	28.5	64.9	0.03	6.8	Drill
177	KH_043	8-Dec-07	12.45347	109.04565	Khánh Hòa	Ninh Tân	3.0	6.5	1.00	1.20	0.10	30.5	243.0	0.10	7.1	Dud
178	KH_044	8-Dec-07	12.45315	109.04599	Khánh Hòa	Ninh Tân	3.0	8.5	0.80	1.20	0.20	31.0	69.7	0.05	7.0	Dud
179	KH_045	8-Dec-07	12.50575	109.07503	Khánh Hòa	Ninh Xuân	4.7	8.0	0.80	1.25	0.05	29.9	29.6	0.03	7.0	Dud
180	KH_046	8-Dec-07	12.50591	109.07434	Khánh Hòa	Ninh Xuân	4.0	7.0	1.00	1.00	0.05	30.0	17.6	0.02	7.1	Dud
181	KH_047	8-Dec-07	12.52495	109.03528	Khánh Hòa	Ninh Xuân	6.0	8.5	0.80	1.00	0.10	30.5	101.1	0.05	7.2	Dud
182	KH_048	8-Dec-07	12.52521	109.03491	Khánh Hòa	Ninh Xuân	6.0	9.0	0.80	1.00	0.10	30.5	109.6	0.06	7.2	Dud
183	KH_049	8-Dec-07	12.54225	109.01215	Khánh Hòa	Ninh sim	2.3	6.5	0.80	1.20	0.05	30.0	200.0	0.08	7.4	Dud
184	KH_050	8-Dec-07	12.54181	109.01103	Khánh Hòa	Ninh Sim	3.6	6.5	1.00	1.00	0.10	30.0	90.0	0.01	7.2	Dud
185	KH_051	9-Dec-07	12.07674	109.17204	Khánh Hòa	Cam Hải Tây	3.0	5.0	0.50	3.80	0.15	29.0	75.8	0.05	6.9	Dud
186	KH_052	9-Dec-07	12.07688	109.17169	Khánh Hòa	Cam Hải Tây	3.0	8.0	0.50	1.20	0.05	28.5	130.9	0.05	7.1	Dud

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro_Name	Com_Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
187	KH_053	9-Dec-07	12.12270	109.10494	Khánh Hòa	Cam Tân	2.0	5.5	1.20	1.00	0.10	29.0	50.0	0.01	6.4	Dud
188	KH_054	9-Dec-07	12.12314	109.10679	Khánh Hòa	Cam Tân	2.1	7.0	0.50	1.20	0.05	29.0	121.8	0.04	6.1	Dud
189	KH_055	9-Dec-07	12.10875	109.13372	Khánh Hòa	Cam Hòa	2.5	10.0	1.00	1.20	0.05	27.0	121.3	0.04	7.1	Dud
190	KH_056	9-Dec-07	12.10931	109.13430	Khánh Hòa	Cam Hòa	3.0	10.0	0.70	1.20	0.05	27.0	90.9	0.08	7.3	Dud
191	KH_057	9-Dec-07	12.07631	109.16805	Khánh Hòa	Cam Hải Tây	4.0	7.0	0.50	1.20	0.05	27.5	68.9	0.02	7.4	Dud
192	KH_058	9-Dec-07	12.07612	109.16801	Khánh Hòa	Cam Hải Tây	5.0	11.0	0.40	1.40	0.05	28.0	131.0	0.14	7.6	Dud
193	KH_059	9-Dec-07	12.07736	109.15661	Khánh Hòa	Cam Hải Tây	8.0	13.0	1.30	1.20	0.05	29.5	30.1	0.05	7.9	Dud
194	KH_060	9-Dec-07	12.07611	109.15672	Khánh Hòa	Cam Hải Tây	8.3	15.0	1.30	1.40	0.05	29.0	132.0	0.20	7.1	Dud
195	KH_061	9-Dec-07	12.05083	109.16130	Khánh Hòa	Cam Đức	8.0	14.0	0.50	1.20	0.05	27.0	175.6	0.10	5.9	Dud
196	KH_062	9-Dec-07	12.05200	109.16059	Khánh Hòa	Cam Đức	8.4	12.0	1.20	1.20	0.05	28.0	133.0	0.17	5.8	Dud
197	KH_063	7-Dec-07	12.25470	109.16100	Khánh Hòa	Vinh Hiep-Nha Trang	1.2	3.9	0.50	1.60	0.20	26.0	81.6	0.04	7.3	Dud
198	KH_064	7-Dec-07	12.25495	109.16113	Khánh Hòa	Vinh Hiep-Nha Trang	1.0	4.0	0.56	1.30	0.20	27.0	190.1	0.03	7.4	Dud
199	KH_065	7-Dec-07	12.25774	109.11360	Khánh Hòa	Dien An - DienKhanh	1.0	5.2	1.10	1.25	0.07	26.0	72.0	0.04	7.3	Dud
200	KH_066	7-Dec-07	12.25737	109.11262	Khánh Hòa	Dien An - DienKhanh	3.0	6.0	0.60	1.20	0.10	28.0	98.0	0.05	7.2	Dud
201	KH_067	7-Dec-07	12.25856	109.06497	Khánh Hòa	Dien Lac-DK	3.4	9.0	0.40	1.20	0.10	28.0	33.0	0.03	6.3	Dud
202	KH_068	7-Dec-07	12.25826	109.06536	Khánh Hòa	Dien Lac-DK	4.0	8.0	0.75	1.60	0.10	28.0	54.7	0.02	6.4	Dud
203	KH_069	8-Dec-07	12.23686	109.04987	Khánh Hòa	Dien Loc-Dien Khanh	1.7	5.0	0.85	1.40	0.10	30.0	310.0	0.02	7.3	Dud
204	KH_070	8-Dec-07	12.23688	109.04979	Khánh Hòa	My Loc-Dien Loc-Dien Khanh	1.0	4.5	0.85	1.20	0.10	30.0	140.2	0.07	7.0	Dud
205	KH_071	7-Dec-07	12.20210	109.04370	Khánh Hòa	Xuan Phu 2-Suoi Tien-DK	4.0	6.0	0.10	0.05	0.00	27.0	10.5	0.01	6.1	Drill
206	KH_072	7-Dec-07	12.20281	109.04397	Khánh Hòa	Xuan Phu 2-Suoi Tien-DK	1.0	3.2	0.65	1.05	0.09	26.0	17.7	0.01	6.3	Dud
207	KH_073	7-Dec-07	12.23950	108.99631	Khánh Hòa	Cay Sung-DienTan-Dien Khanh	5.0	8.5	0.80	1.20	0.10	28.0	112.0	0.03	7.2	Dud
208	KH_074	7-Dec-07	12.23931	108.99596	Khánh Hòa	Cay Sung-DienTan-Dien Khanh	5.0	10.0	0.70	1.00	0.10	28.0	130.5	0.06	6.7	Dud
209	KH_075	7-Dec-07	12.26497	109.02839	Khánh Hòa	Phuoc Luong-Dien Tho-DK	6.0	10.0	0.80	1.60	0.10	29.0	24.0	0.01	5.4	Dud
210	KH_076	7-Dec-07	12.26497	109.02775	Khánh Hòa	Phuoc Luong-Dien Tho-DK	5.0	8.0	0.70	1.60	0.10	28.0	11.4	0.03	5.3	Dud
211	KH_077	8-Dec-07	12.28285	108.98458	Khánh Hòa	Phu Tho-Dien Tho-Dien Khanh	3.0	10.0	0.70	1.00	0.05	27.0	145.0	0.08	6.9	Dud
212	KH_078	8-Dec-07	12.28255	108.98174	Khánh Hòa	Phu Tho-Dien Tho-Dien Khanh	1.0	4.0	1.00	1.00	0.05	28.0	43.6	0.02	6.6	Dud
213	KH_079	7-Dec-07	12.28357	108.94800	Khánh Hòa	Thon Dong-Song Cau-Khanh Vinh	2.3	10.0	0.90	1.30	0.10	28.0	67.0	0.03	6.8	Dud
214	KH_080	7-Dec-07	12.28381	108.94663	Khánh Hòa	Thon Dong-Song Cau-Khanh Vinh	8.0	10.0	1.20	1.00	0.60	27.0	94.3	0.05	7.3	Dud
215	KH_081	7-Dec-07	12.28982	109.14762	Khánh Hòa	Thon Trung-Vinh Phuong-NT	7.0	10.0	0.60	1.16	0.10	27.5	144.1	0.07	7.5	Dud
216	KH_082	7-Dec-07	12.28985	109.14762	Khánh Hòa	Thon Trung-Vinh Phuong-NT	3.0	7.0	0.80	1.40	0.10	27.2	160.0	0.06	6.0	Dud
217	KH_083	8-Dec-07	12.27402	109.14634	Khánh Hòa	Thon Nhu Xuan-VinhPhuong-NT	3.5	4.9	0.67	1.00	0.08	27.0	39.0	0.02	6.2	Dud
218	KH_084	8-Dec-07	12.27381	109.14628	Khánh Hòa	Thon Nhu Xuan-VinhPhuong-NT	3.0	4.2	0.60	1.30	0.20	24.7	44.6	0.02	8.5	Dud
219	KH_085	8-Dec-07	12.27608	109.11794	Khánh Hòa	Phu Cap-Dien Phu-Dien Khanh	2.0	8.3	0.60	2.80	0.10	26.8	70.0	0.02	6.5	Dud
220	KH_086	8-Dec-07	12.27610	109.11845	Khánh Hòa	Phu Cap-Dien Phu-Dien Khanh	2.0	4.9	0.75	1.50	0.10	27.0	47.2	0.02	6.5	Dud
221	KH_087	8-Dec-07	12.26519	109.08121	Khánh Hòa	Thon Tay 3-Dien Son-Dien Khanh	4.0	8.0	0.60	1.20	0.10	28.0	65.0	0.03	6.4	Dud
222	KH_088	8-Dec-07	12.26530	109.08140	Khánh Hòa	Thon Tay 3-Dien Son-Dien Khanh	3.0	6.0	0.50	0.90	0.10	29.0	16.9	0.01	6.0	Dud
223	KH_089	8-Dec-07	12.29762	109.00654	Khánh Hòa	Khanh Xuan-Dien Lam-DK	1.5	8.5	0.80	1.40	0.10	28.0	41.1	0.02	5.7	Dud
224	KH_090	8-Dec-07	12.29640	109.00520	Khánh Hòa	Khanh Xuan-Dien Lam-DK	7.0	11.2	0.80	1.40	0.10	29.0	33.2	0.02	6.4	Dud
225	KH_091	8-Dec-07	12.31442	108.98053	Khánh Hòa	Xom Nam-Xuan Dong-Dien Xuan-DK	10.0	15.0	0.75	1.20	0.10	27.0	50.0	0.02	6.5	Dud
226	KH_092	8-Dec-07	12.31450	108.98033	Khánh Hòa	Xom Nam-Xuan Dong-Dien Xuan-DK	8.5	14.0	0.80	1.20	0.12	28.0	37.0	0.02	6.6	Dud
227	KH_093	8-Dec-07	12.22905	109.15311	Khánh Hòa	Dat Lanh- Vinh Thai-Nha Trang	2.0	5.0	0.50	1.00	0.05	28.0	96.6	0.05	6.3	Dud
228	KH_094	8-Dec-07	12.22998	109.15260	Khánh Hòa	Dat Lanh- Vinh Thai-Nha Trang	1.0	4.2	0.65	1.00	0.10	27.0	52.0	0.03	6.4	Dud
229	KH_095	8-Dec-07	12.20878	109.14535	Khánh Hòa	Phuoc Thuong-Phuoc Dong-NT	2.0	6.5	0.60	1.00	0.06	29.0	570.0	0.13	6.8	Dud
230	KH_096	8-Dec-07	12.20865	109.14537	Khánh Hòa	Phuoc Thuong-Phuoc Dong-NT	4.0	12.0	1.00	1.00	0.06	28.0	130.8	0.16	7.1	Dud
231	KH_097	8-Dec-07	12.19011	109.16479	Khánh Hòa	Phuoc Tan-Phuoc Dong-NT	2.5	8.8	0.20	1.00	0.02	28.0	34.4	0.02	5.9	Dud
232	KH_098	8-Dec-07	12.18853	109.16525	Khánh Hòa	Phuoc Tan-Phuoc Dong-NT	1.5	5.5	0.80	0.95	0.07	28.4	33.6	0.02	4.6	Dud
233	KH_099	8-Dec-07	12.22706	109.08408	Khánh Hòa	Thuy Xuong-Suoi Hiep-Dien Khanh	3.0	8.0	0.60	1.25	0.10	28.2	51.5	0.03	5.9	Dud
234	KH_100	8-Dec-07	12.22675	109.08380	Khánh Hòa	Thuy Xuong-Suoi Hiep-Dien Khanh	3.0	5.5	0.67	1.70	0.10	29.0	45.7	0.02	4.3	Dud
235	KH_101	8-Dec-07	12.21171	109.07372	Khánh Hòa	Hoi Xuong-SuoiHiep-DK	4.0	6.0	0.60	1.10	0.05	28.9	71.8	0.03	6.1	Dud
236	KH_102	8-Dec-07	12.21170	109.07410	Khánh Hòa	Hoi Xuong-SuoiHiep-DK	3.0	5.0	0.65	1.20	0.04	28.6	39.6	0.04	6.1	Dud
237	KH_103	8-Dec-07	12.19043	109.06486	Khánh Hòa	Tan Xuong-SuoiCat-Dien Khanh	2.0	9.0	0.60	2.22	0.10	28.0	10.3	0.02	6.2	Dud
238	KH_104	8-Dec-07	12.19029	109.06479	Khánh Hòa	Tan Xuong-SuoiCat-Dien Khanh	1.4	4.0	0.00	0.10	0.00	28.4	7.5	0.03	5.9	Drill
239	KH_105	8-Dec-07	12.15680	109.07921	Khánh Hòa	Dong Cau-Suoi Tan-Dien Khanh	1.0	3.4	0.55	1.20	0.10	28.0	217.0	0.02	5.9	Dud
240	KH_106	8-Dec-07	12.15673	109.07927	Khánh Hòa	Dong Cau-Suoi Tan-Dien Khanh	2.0	5.0	0.00	1.00	0.05	27.6	104.0	0.05	6.0	Dud
241	KH_107	8-Dec-07	12.02801	109.18388	Khánh Hòa	Tan Phu-Cam Thanh Bac-Cam Ranh	1.5	5.5	0.50	1.00	0.05	28.0	355.0	0.10	6.7	Dud
242	KH_108	8-Dec-07	12.02728	109.18411	Khánh Hòa	Tan Phu-Cam Thanh Bac-Cam Ranh	1.0	4.3	0.50	1.00	0.25	27.0	677.0	0.23	7.0	Dud
243	KH_109	8-Dec-07	11.98858	109.19150	Khánh Hòa	Nguyen Cong Tru-Cam Nghia-CR	1.0	3.8	0.50	1.00	0.00	27.7	643.0	0.30	7.2	Dud
244	KH_110	8-Dec-07	11.98758	109.19129	Khánh Hòa	Nguyen Cong Tru-Cam Nghia-CR	0.5	4.3	0.60	1.00	0.10	28.0	711.0	0.26	7.5	Dud
245	KH_111	8-Dec-07	11.99111	109.15859	Khánh Hòa	Quang Phuoc-Cam Thanh Dong-CR	4.0	6.0	0.65	1.20	0.05	28.5	351.0	0.10	8.2	Dud
246	KH_112	8-Dec-07	11.99118	109.15871	Khánh Hòa	Quang Phuoc-Cam Thanh Dong-CR	2.0	3.5	0.50	1.20	0.05	27.0	70.0	0.03	6.6	Dud
247	KH_113	8-Dec-07	11.96275	109.19009	Khánh Hòa	Ly Thuong Kiet-Hoa Gia-Cam phuc Bac	2.0	4.6	0.50	1.00	0.10	27.5	510.0	0.27	6.8	Dud
248	KH_114	8-Dec-07	11.96525	109.18974	Khánh Hòa	Ly Thuong Kiet-Hoa Gia-Cam phuc Bac	1.0	3.9	0.65	1.00	0.05	29.0	741.0	0.05	6.8	Dud

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro Name	Com Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
249	KH_115	9-Dec-07	11.94599	109.18017	Khánh Hòa	Xuan Ninh-Cam Phuc Nam-CR	1.8	25.0	0.10	0.40	0.00	27.0	210.0	0.11	6.7	Drill
250	KH_116	9-Dec-07	11.94616	109.18017	Khánh Hòa	Xuan Ninh-Cam Phuc Nam-CR	3.0	5.5	0.70	1.00	0.05	28.0	235.0	0.12	7.3	Dud
251	KH_117	9-Dec-07	11.93488	109.11891	Khánh Hòa	Tan Hiep-Cam phuoc Dong-CR	1.0	4.5	0.20	1.00	0.05	27.0	38.8	0.02	6.3	Dud
252	KH_118	9-Dec-07	11.93444	109.11950	Khánh Hòa	Tan Hiep-Cam phuoc Dong-CR	3.0	8.0	0.40	1.00	0.05	27.0	50.0	0.02	6.2	Dud
253	KH_119	9-Dec-07	11.96446	109.09023	Khánh Hòa	Van Thuy 1-Cam Phuoc Tay-CR	0.5	4.0	0.40	1.00	0.05	28.0	263.0	0.05	8.0	Dud
254	KH_120	9-Dec-07	11.96461	109.09110	Khánh Hòa	Van Thuy 1-Cam Phuoc Tay-CR	2.0	6.0	0.30	1.40	0.10	28.0	406.0	0.20	7.5	Dud
255	KH_121	9-Dec-07	11.88073	109.11171	Khánh Hòa	Hoa Diem-Cam Thanh Dong-CR	1.0	3.0	0.63	1.00	0.05	28.5	368.0	0.19	7.5	Dud
256	KH_122	9-Dec-07	11.88091	109.11176	Khánh Hòa	Hoa Diem-Cam Thanh Dong-CR	1.0	2.5	0.70	1.00	0.05	29.0	705.0	0.37	7.5	Dud
257	KH_123	9-Dec-07	11.86091	109.08361	Khánh Hòa	Xom1-Song Can Dong-CR	3.0	5.5	0.80	1.00	0.05	27.0	853.0	0.46	7.3	Dud
258	KH_124	9-Dec-07	11.86104	109.08406	Khánh Hòa	Xom1-Song Can Dong-CR	3.0	8.0	0.50	1.10	0.05	29.0	261.0	0.15	7.2	Dud
259	KH_125	9-Dec-07	11.81842	109.10825	Khánh Hòa	Cam Thinh Dong-CR	3.0	6.0	0.45	0.04	0.00	30.0	291.0	0.14	6.4	Drill
260	KH_126	9-Dec-07	11.81814	109.10815	Khánh Hòa	Cam Thinh Dong-CR	2.0	16.0	0.60	0.04	0.00	28.0	233.0	0.12	7.9	Drill
261	NT_001	4-Nov-07	11.79901	109.09770	Ninh Thuận	Cong Hai	3.6	5.6	1.00	0.90	0.05	29.4	81.4	0.04	6.9	Dud
262	NT_002	4-Nov-07	11.79873	109.09773	Ninh Thuận	Cong Hai	4.0	6.0	0.70	1.12	0.12	27.6	128.3	0.06	7.4	Dud
263	NT_003	4-Nov-07	11.78137	109.08097	Ninh Thuận	Cong Hai	2.0	3.0	0.60	0.20	0.05	27.5	614.0	0.32	7.4	Dud
264	NT_004	4-Nov-07	11.78016	109.08100	Ninh Thuận	Cong Hai	1.8	8.0	0.65	0.90	0.13	28.1	228.0	0.06	7.5	Dud
265	NT_005	4-Nov-07	11.75582	109.07303	Ninh Thuận	Lai Hai	6.2	13.0	0.40	0.85	0.05	28.0	1128.0	0.62	7.0	Dud
266	NT_006	4-Nov-07	11.75611	109.07452	Ninh Thuận	Lai Hai	4.5	5.5	0.50	0.80	0.04	29.0	43.4	0.02	6.9	Dud
267	NT_007	7-Nov-07	11.71789	109.05340	Ninh Thuận	Lai Hai	2.3	4.0	0.60	1.15	0.05	30.3	7.6	0.04	7.0	Dud
268	NT_008	8-Dec-07	11.60524	109.04449	Ninh Thuận	Tan Hai	2.1	4.0	0.45	0.85	0.05	21.8	164.8	0.07	6.8	Dud
269	NT_009	8-Dec-07	11.60429	109.04481	Ninh Thuận	Tan Hai	3.2	4.5	0.70	0.80	0.04	30.0	7.7	0.03	7.1	Dud
270	NT_010	8-Dec-07	11.58878	109.09877	Ninh Thuận	Nhon Hai	3.4	5.6	0.65	1.30	0.17	29.0	384.0	0.25	7.6	Dud
271	NT_011	8-Dec-07	11.58922	109.10044	Ninh Thuận	Nhon Hai	3.5	4.0	0.50	0.90	0.07	27.6	276.0	0.09	7.0	Dud
272	NT_012	8-Dec-07	11.58815	109.12551	Ninh Thuận	Tan Hai	3.8	4.5	0.30	2.40	0.10	28.0	375.0	0.20	7.9	Dud
273	NT_013	8-Dec-07	11.58484	109.12537	Ninh Thuận	Thanh Hai	3.4	4.0	0.45	1.00	0.07	28.2	275.0	0.30	7.9	Dud
274	NT_014	8-Dec-07	11.58938	109.10988	Ninh Thuận	Nhon Hai	2.2	3.0	0.50	1.00	0.09	29.2	340.0	0.20	8.5	Dud
275	NT_015	8-Dec-07	11.58766	109.11217	Ninh Thuận	Nhon Hai	1.6	3.3	0.50	0.95	0.06	29.3	277.0	0.33	8.0	Dud
276	NT_016	8-Dec-07	11.61483	109.14629	Ninh Thuận	Vinh Hai	4.6	5.7	0.05	1.20	0.10	28.0	6.9	0.03	8.1	Dud
277	NT_017	8-Dec-07	11.61463	109.14753	Ninh Thuận	Vinh Hai	3.3	3.8	0.35	1.00	0.05	30.0	37.6	0.02	8.4	Dud
278	NT_018	8-Dec-07	11.65735	109.16504	Ninh Thuận	Vinh Hai	1.1	5.5	0.03	2.85	0.07	28.8	87.5	0.04	7.3	Dud
279	NT_019	8-Dec-07	11.65626	109.16524	Ninh Thuận	Vinh Hai	2.8	6.0	0.40	5.20	0.05	28.0	89.3	0.03	7.4	Dud
280	NT_020	8-Dec-07	11.63413	109.04481	Ninh Thuận	Phuong Hai	3.2	4.0	0.30	0.80	0.05	29.0	198.0	0.22	7.0	Dud
281	NT_021	7-Dec-07	11.63363	109.04604	Ninh Thuận	Phuong Hai	0.9	3.5	0.60	0.85	0.05	28.7	116.7	0.08	7.6	Dud
282	NT_022	7-Dec-07	11.64784	109.05972	Ninh Thuận	Bac Son	1.6	5.5	0.80	0.85	0.03	28.3	0.3	0.13	7.0	Dud
283	NT_023	7-Dec-07	11.64751	109.05867	Ninh Thuận	Bac Son	2.3	4.0	0.80	2.10	0.05	28.0	278.0	0.19	6.9	Dud
284	NT_024	7-Dec-07	11.70171	109.05771	Ninh Thuận	Lai Hai	2.1	3.6	0.58	1.50	0.10	29.3	790.0	0.32	7.2	Dud
285	NT_025	7-Dec-07	11.70171	109.05835	Ninh Thuận	Lai Hai	2.7	4.0	0.50	1.20	0.10	29.1	68.0	0.02	7.0	Dud
286	NT_026	7-Dec-07	11.67494	109.03265	Ninh Thuận	Bac Phong	1.2	2.0	0.60	0.80	0.07	31.1	192.6	0.09	6.6	Dud
287	NT_027	7-Dec-07	11.67506	109.03248	Ninh Thuận	Bac Phong	1.0	3.0	0.40	0.75	0.04	29.8	330.0	0.22	7.2	Dud
288	NT_028	7-Dec-07	11.64123	109.00464	Ninh Thuận	ho hai	0.6	4.0	0.45	0.75	0.18	27.4	800.0	0.18	8.0	Dud
289	NT_029	9-Dec-07	11.64612	109.00516	Ninh Thuận	ho hai	1.3	2.5	0.50	0.85	0.04	28.1	20.4	0.03	7.5	Dud
290	NT_030	9-Dec-07	11.64758	109.00780	Ninh Thuận	ho hai	1.6	3.5	0.40	0.70	0.03	28.4	25.5	0.01	7.9	Dud
291	NT_031	9-Dec-07	11.64431	108.98526	Ninh Thuận	Xuan Hai	0.9	3.0	0.40	0.85	0.04	29.6	1038.0	0.40	7.0	Dud
292	NT_032	9-Dec-07	11.64663	108.97275	Ninh Thuận	Xuan Hai	2.3	3.0	0.35	0.75	0.04	28.2	2740.0	0.70	6.9	Dud
293	NT_033	9-Dec-07	11.64624	108.97463	Ninh Thuận	Xuan Hai	2.2	4.5	0.70	0.85	0.04	29.0	1060.0	0.50	7.6	Dud
294	NT_034	9-Dec-07	11.58080	109.02095	Ninh Thuận	49/54 NTMKhai	4.6	8.0	0.30	2.50	0.10	28.9	289.0	0.15	7.2	Dud
295	NT_035	9-Dec-07	11.58147	109.02085	Ninh Thuận	Ntminh Khai	2.4	8.5	0.30	2.70	0.10	29.6	418.0	0.20	7.6	Dud
296	NT_036	9-Dec-07	11.54947	109.02395	Ninh Thuận	Dong Hai	1.4	2.0	0.50	0.80	0.03	28.0	1001.0	0.50	7.0	Dud
297	NT_037	9-Dec-07	11.54897	109.02384	Ninh Thuận	Phuong Lan Ong	2.1	3.0	0.50	0.80	0.03	27.9	230.0	0.15	7.4	Dud
298	NT_038	9-Dec-07	11.54160	108.99494	Ninh Thuận	An Hai	3.4	5.5	0.80	0.80	0.05	29.6	80.6	0.02	7.0	Dud
299	NT_039	9-Dec-07	11.54174	108.99439	Ninh Thuận	An Hai	2.8	6.0	0.30	0.80	0.03	29.4	74.5	0.04	6.6	Dud
300	NT_040	9-Dec-07	11.54328	108.99609	Ninh Thuận	An Hai	-999.0	20.0	-999.00	-999.00	-999.00	28.0	62.8	0.03	8.1	Drill
301	NT_041	9-Dec-07	11.54652	108.95873	Ninh Thuận	Phuoc Dan	2.6	6.0	0.70	0.75	0.03	31.0	120.0	0.05	7.5	Dud
302	NT_042	9-Dec-07	11.54898	108.95903	Ninh Thuận	Phuoc Dan	3.1	7.5	0.65	0.88	0.05	29.0	120.1	0.05	7.4	Dud
303	NT_043	9-Dec-07	11.54946	108.95848	Ninh Thuận	Phuoc Dan	3.2	6.0	0.95	0.80	0.03	28.0	117.0	0.06	7.0	Dud
304	NT_044	9-Dec-07	11.60514	108.99155	Ninh Thuận	Thanh Hai	1.4	2.5	0.58	0.75	0.05	29.0	111.3	0.05	7.1	Dud
305	NT_045	8-Nov-07	11.52361	108.92453	Ninh Thuận	Phước Dân	0.5	4.4	0.20	0.95	0.06	29.0	482.0	0.34	7.0	Dud
306	NT_046	8-Nov-07	11.52331	108.92423	Ninh Thuận	Phước Dân	0.5	7.2	0.25	0.85	0.05	30.0	376.0	0.23	6.8	Dud
307	NT_047	8-Nov-07	11.54013	108.95774	Ninh Thuận	Phước dân	2.4	4.5	0.50	0.76	0.04	28.0	235.0	0.14	7.7	Dud
308	NT_048	8-Nov-07	11.54126	108.95953	Ninh Thuận	Phước dân	2.4	6.1	0.78	0.80	0.05	27.5	242.0	0.12	8.0	Dud
309	NT_049	7-Nov-07	11.52018	108.95918	Ninh Thuận	Phước Hải	1.4	4.9	0.40	1.12	0.60	29.8	439.0	0.21	7.2	Dud
310	NT_050	7-Nov-07	11.52053	108.95941	Ninh Thuận	Phước Hải	3.7	5.0	0.59	2.10	0.07	30.2	201.0	0.10	8.2	Dud

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro Name	Com Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
311	NT_051	7-Nov-07	11.46608	109.01093	Ninh Thuận	Phước Dinh	4.4	4.6	0.45	0.80	0.05	30.0	200.0	0.10	7.3	Dud
312	NT_052	7-Nov-07	11.46676	109.01086	Ninh Thuận	Phước Dinh	4.3	5.0	0.50	0.80	0.05	31.2	1575.0	0.80	7.2	Dud
313	NT_053	7-Nov-07	11.44527	109.00765	Ninh Thuận	Phước Dinh	4.4	6.7	0.49	1.20	0.13	28.9	630.0	0.02	7.3	Dud
314	NT_054	7-Nov-07	11.44517	109.00777	Ninh Thuận	Phước Dinh	3.9	3.9	0.40	0.78	0.05	28.7	890.0	0.05	7.0	Dud
315	NT_055	7-Nov-07	11.50027	108.91409	Ninh Thuận	Phước Dinh	2.5	5.8	0.40	0.95	0.06	28.0	147.8	0.07	7.5	Dud
316	NT_056	7-Nov-07	11.50019	108.91396	Ninh Thuận	Phước Dinh	3.8	5.0	0.75	0.88	0.06	28.9	109.4	0.05	7.6	Dud
317	NT_057	7-Nov-07	11.50566	108.88188	Ninh Thuận	Phước Hữu	2.5	5.7	0.40	0.90	0.05	28.7	1056.0	0.58	7.7	Dud
318	NT_058	7-Nov-07	11.50582	108.88226	Ninh Thuận	Phước Hữu	2.9	7.5	0.50	0.90	0.06	28.4	1078.0	0.52	7.9	Dud
319	NT_059	7-Nov-07	11.53916	108.89540	Ninh Thuận	Phước Hữu	1.6	4.7	0.05	0.82	0.10	29.6	760.0	0.41	7.3	Dud
320	NT_060	7-Nov-07	11.53908	108.89573	Ninh Thuận	Phước Hữu	1.7	4.3	0.95	0.93	0.06	29.7	680.0	0.67	7.6	Dud
321	NT_061	6-Nov-07	11.58024	108.89159	Ninh Thuận	Phước Thái	1.8	3.0	0.30	0.73	0.05	31.1	7.2	0.04	7.2	Dud
322	NT_062	6-Nov-07	11.58043	108.89120	Ninh Thuận	Phước Thái	1.4	4.1	0.65	1.10	0.10	27.4	342.0	0.20	7.7	Dud
323	NT_063	6-Nov-07	11.61558	108.86611	Ninh Thuận	Phước Vinh	1.9	6.9	0.20	1.05	0.04	29.7	137.2	0.07	7.5	Dud
324	NT_064	6-Nov-07	11.61742	108.86678	Ninh Thuận	Phước Vinh	2.9	6.0	1.15	0.40	0.04	28.0	310.0	0.18	7.0	Dud
325	NT_065	6-Nov-07	11.63264	108.84971	Ninh Thuận	Phước Vinh	3.6	7.0	0.00	0.95	0.05	29.7	288.0	0.01	7.1	Dud
326	NT_066	6-Nov-07	11.63245	108.84824	Ninh Thuận	Phước Vinh	5.5	7.4	0.30	0.90	0.05	27.8	1003.0	0.58	7.0	Dud
327	NT_067	6-Nov-07	11.60697	108.93358	Ninh Thuận	THÁP CHAM	4.5	7.0	0.50	1.15	0.08	27.6	415.0	0.21	7.7	Dud
328	NT_068	6-Nov-07	11.60710	108.93380	Ninh Thuận	Tháp Châm	4.8	6.1	0.70	0.84	0.08	29.1	190.0	0.10	7.7	Dud
329	NT_069	6-Nov-07	11.63049	108.89350	Ninh Thuận	Nhơn Sơn	-999.0	14.0	0.70	0.06	0.00	28.6	106.8	0.05	8.2	Drill
330	NT_070	6-Nov-07	11.62988	108.89397	Ninh Thuận	Nhơn Sơn	1.5	3.3	0.65	0.92	0.65	27.9	253.0	0.13	7.6	Dud
331	NT_071	6-Nov-07	11.67058	108.86439	Ninh Thuận	Mỹ Sơn	7.9	8.4	0.58	0.90	0.05	27.3	199.2	0.10	7.9	Dud
332	NT_072	6-Nov-07	11.67049	108.86486	Ninh Thuận	Mỹ Sơn	6.6	8.3	0.37	0.87	0.05	26.5	332.0	0.17	8.0	Dud
333	NT_073	7-Dec-07	11.41548	109.00661	Ninh Thuận	Phước Dinh	3.7	3.7	0.25	1.30	0.05	27.6	403.0	0.20	7.7	Dud
334	NT_074	7-Dec-07	11.41535	109.00671	Ninh Thuận	Phước Dinh	3.0	4.2	0.65	1.15	0.08	27.9	330.0	0.12	7.5	Dud
335	NT_075	7-Nov-07	11.34113	108.87776	Ninh Thuận	Phước Diêm	4.9	5.1	0.75	0.78	0.04	26.5	334.0	0.17	8.2	Dud
336	NT_076	7-Dec-07	11.34111	108.87763	Ninh Thuận	Phước Diêm	4.4	4.8	0.56	0.77	0.05	27.8	134.1	0.06	7.0	Dud
337	NT_077	7-Nov-07	11.33689	108.89295	Ninh Thuận	Phước Diêm	3.4	4.1	0.20	0.78	0.08	28.1	532.0	0.27	7.6	Dud
338	NT_078	7-Dec-07	11.33658	108.89356	Ninh Thuận	Phước Diêm	4.7	4.5	0.45	0.75	0.04	27.3	537.0	0.33	7.5	Dud
339	NT_079	7-Nov-07	11.38603	108.88803	Ninh Thuận	Phước Minh	3.3	4.8	0.75	0.95	0.07	27.8	237.0	0.13	7.0	Dud
340	NT_080	7-Nov-07	11.38489	108.88718	Ninh Thuận	Phước Minh	5.0	4.2	0.80	0.90	0.06	27.8	237.0	0.13	7.0	Dud
341	NT_081	7-Nov-07	11.41090	108.88943	Ninh Thuận	Phước Minh	3.5	3.1	0.85	2.70	0.08	28.2	115.2	0.05	7.3	Dud
342	NT_082	7-Nov-07	11.40600	108.89390	Ninh Thuận	Phước Minh	3.7	4.0	0.55	0.85	0.04	27.6	134.7	0.06	7.3	Dud
343	NT_083	7-Nov-07	11.43222	108.89419	Ninh Thuận	Phước Minh	3.6	13.0	0.45	1.90	0.20	26.6	56.8	0.05	7.3	Dud
344	NT_084	7-Nov-07	11.43282	108.89333	Ninh Thuận	Phước Minh	5.9	15.8	0.60	1.60	0.09	27.5	90.3	0.03	7.1	Dud
345	BT_001	28-Oct-07	11.32296	108.81795	Binh Thuận	Vĩnh Tân	0.6	2.2	0.00	2.70	0.02	27.9	157.2	0.08	7.0	Dud
346	BT_002	28-Oct-07	11.32416	108.81807	Binh Thuận	Vĩnh Tân	1.3	4.4	1.00	4.00	0.02	30.4	115.2	0.06	7.0	Dud
347	BT_003	28-Oct-07	11.31965	108.78179	Binh Thuận	Vĩnh Tân	1.1	2.4	0.40	0.85	0.05	29.3	39.0	0.02	6.5	Dud
348	BT_004	28-Oct-07	11.31963	108.78180	Binh Thuận	Vĩnh Tân	1.9	2.2	0.00	0.90	0.05	28.5	24.0	0.03	6.5	Dud
349	BT_005	28-Oct-07	11.31317	108.75408	Binh Thuận	Vĩnh Hảo	1.5	3.2	0.75	2.25	0.15	28.8	41.1	0.02	7.4	Dud
350	BT_006	28-Oct-07	11.31347	108.75347	Binh Thuận	Vĩnh Hảo	3.8	5.8	0.80	1.08	0.15	28.5	39.6	0.02	7.0	Dud
351	BT_007	28-Oct-07	11.33709	108.73897	Binh Thuận	Vĩnh Hảo	4.6	3.7	0.80	5.06	0.01	29.0	27.4	0.01	7.4	Dud
352	BT_008	28-Oct-07	11.33844	108.73923	Binh Thuận	Vĩnh Hảo	3.8	3.8	0.70	4.40	0.10	29.0	22.5	0.01	7.0	Dud
353	BT_009	29-Oct-07	11.27494	108.74679	Binh Thuận	Phước Thế	0.1	1.1	0.00	1.50	0.01	26.1	22.4	0.01	6.0	Drill
354	BT_010	29-Oct-07	11.27460	108.74670	Binh Thuận	Phước Thế	0.2	1.2	0.00	1.50	0.01	25.8	23.2	0.01	6.1	Drill
355	BT_011	29-Oct-07	11.23399	108.73941	Binh Thuận	Phước Thế	1.2	4.2	0.25	1.60	0.20	28.8	558.0	0.29	6.7	Dud
356	BT_012	29-Oct-07	11.23399	108.73941	Binh Thuận	Phước Thế	2.1	5.0	0.20	0.85	0.01	29.4	271.0	0.14	6.7	Dud
357	BT_013	29-Oct-07	11.23542	108.71023	Binh Thuận	Phú Lạc	3.4	6.0	0.70	0.85	0.15	29.8	809.0	0.43	8.3	Dud
358	BT_014	29-Oct-07	11.23639	108.71082	Binh Thuận	Phú Lạc	2.3	5.1	0.48	0.90	0.02	29.6	452.0	0.23	7.2	Dud
359	BT_015	29-Oct-07	11.26090	108.67600	Binh Thuận	Phong Phú	2.4	4.4	0.20	1.10	0.02	28.6	90.9	0.04	7.4	Dud
360	BT_016	29-Oct-07	11.26050	108.67740	Binh Thuận	Phong Phú	2.8	4.0	0.50	1.10	0.15	27.5	23.4	0.01	6.8	Dud
361	BT_017	29-Oct-07	11.27151	108.65263	Binh Thuận	Phong Phú	2.1	3.6	0.20	0.90	0.02	28.6	395.0	0.20	7.0	Dud
362	BT_018	29-Oct-07	11.27159	108.65262	Binh Thuận	Phong Phú	4.4	5.9	0.90	0.90	0.02	29.0	83.2	0.04	6.9	Dud
363	BT_019	29-Oct-07	11.18082	108.70256	Binh Thuận	Bình Thạnh	1.2	4.8	0.60	1.10	0.02	29.6	131.5	0.07	7.1	Dud
364	BT_020	29-Oct-07	11.18083	108.70258	Binh Thuận	Bình Thạnh	1.0	3.7	0.60	0.90	0.02	29.3	174.8	0.09	7.9	Dud
365	BT_021	29-Oct-07	11.18427	108.61490	Binh Thuận	Chí Công	1.4	2.4	0.43	0.90	0.10	27.5	190.0	0.13	7.1	Dud
366	BT_022	29-Oct-07	11.18422	108.61491	Binh Thuận	Chí Công	0.5	1.9	0.85	0.90	0.02	27.0	220.0	0.11	7.2	Dud
367	BT_023	29-Oct-07	11.19300	108.58674	Binh Thuận	Hòa Minh	1.1	2.6	0.45	1.10	0.15	27.2	288.0	0.15	7.2	Dud
368	BT_024	29-Oct-07	11.19297	108.58722	Binh Thuận	Hòa Minh	1.0	2.1	0.25	0.85	0.10	27.3	201.0	0.10	6.9	Dud
369	BT_025	29-Oct-07	11.22918	108.61607	Binh Thuận	Phong Phú	1.2	2.3	0.55	1.60	0.20	28.4	25.3	0.01	6.9	Dud
370	BT_026	29-Oct-07	11.22966	108.61403	Binh Thuận	Phong Phú	1.1	1.7	0.45	1.85	0.30	27.1	30.0	0.01	6.4	Dud
371	BT_027	29-Oct-07	11.16533	108.55679	Binh Thuận	Hòa Phú	1.0	4.6	0.55	0.70	0.05	29.3	263.0	0.13	7.5	Dud
372	BT_028	29-Oct-07	11.16576	108.55687	Binh Thuận	Hòa Phú	1.0	5.2	0.80	0.75	0.02	29.3	424.0	0.22	7.3	Dud

Overall Seawater Intrusion Survey (2nd Survey Nov.- Dec.2007)

SERNO_1	SERNO_2	Date	N	E	Pro Name	Com Name	GW_Level	Well_Dep	Well_Hei	Well_Dia	Well_Thi	GW_Temp	EC_mS_m	Salinity	pH	Well_Typ
373	BT_029	29-Oct-07	11.15557	108.52711	Bình Thuận	Hòa Phú	0.9	3.9	0.40	0.70	0.05	30.3	46.2	0.02	7.9	Dud
374	BT_030	29-Oct-07	11.15572	108.52740	Bình Thuận	Hòa Phú	0.6	4.6	0.85	0.70	0.02	30.2	36.8	0.02	7.5	Dud
375	BT_031	30-Oct-07	11.19697	108.54858	Bình Thuận	Phan Ri Thành	1.4	5.6	0.60	1.50	0.20	27.5	111.8	0.06	7.2	Dud
376	BT_032	30-Oct-07	11.19828	108.54962	Bình Thuận	Phan Ri Thành	0.3	6.0	0.00	0.02	0.00	29.6	611.0	0.32	6.6	Drill
377	BT_033	30-Oct-07	11.22148	108.51012	Bình Thuận	Chợ Lầu	4.2	6.6	0.85	1.00	0.15	29.0	188.2	0.19	7.7	Dud
378	BT_034	30-Oct-07	11.22145	108.51006	Bình Thuận	Chợ Lầu	5.4	7.7	0.60	0.90	0.02	29.4	296.0	0.15	7.7	Dud
379	BT_035	30-Oct-07	11.20090	108.48773	Bình Thuận	Hồng Thái	3.2	4.7	0.50	0.80	0.05	27.7	231.0	0.12	7.5	Dud
380	BT_036	30-Oct-07	11.20100	108.48777	Bình Thuận	Hồng Thái	3.0	4.1	0.50	0.80	0.05	27.9	305.0	0.16	7.2	Dud
381	BT_037	30-Oct-07	11.22125	108.46933	Bình Thuận	Hồng Thái	2.3	6.2	0.75	1.00	0.15	29.5	153.1	0.08	7.0	Dud
382	BT_038	30-Oct-07	11.22124	108.46940	Bình Thuận	Hồng Thái	2.2	5.8	0.70	0.95	0.15	30.1	137.1	0.07	6.8	Dud
383	BT_039	30-Oct-07	11.19953	108.46059	Bình Thuận	Hồng Thái	3.5	9.6	0.65	0.80	0.10	30.1	172.8	0.09	5.8	Dud
384	BT_040	30-Oct-07	11.20022	108.46005	Bình Thuận	Hồng Thái	3.4	6.6	0.80	0.90	0.04	29.7	331.0	0.17	6.6	Dud
385	BT_041	30-Oct-07	11.21758	108.43506	Bình Thuận	Hồng Thái	0.9	7.2	0.75	0.90	0.10	29.5	466.0	0.24	7.0	Dud
386	BT_042	30-Oct-07	11.21957	108.43473	Bình Thuận	Hồng Thái	0.4	5.9	0.75	0.80	0.05	28.6	832.0	0.45	7.3	Dud
387	BT_043	30-Oct-07	11.21547	108.40676	Bình Thuận	Hồng Thái	1.5	2.3	0.40	1.10	0.12	25.7	29.7	0.01	6.2	Dud
388	BT_044	30-Oct-07	11.21559	108.40688	Bình Thuận	Hồng Thái	1.4	1.6	0.20	0.90	0.06	27.3	26.2	0.01	6.7	Dud
389	BT_045	30-Oct-07	11.19139	108.38088	Bình Thuận	Lương Sơn	2.0	6.2	0.70	0.90	0.10	25.0	27.4	0.03	7.5	Dud
390	BT_046	30-Oct-07	11.19131	108.38109	Bình Thuận	Lương Sơn	2.2	6.0	0.30	0.80	0.04	26.5	53.4	0.03	7.2	Dud
391	BT_047	30-Oct-07	11.26051	108.50015	Bình Thuận	Hải Ninh	2.8	3.8	0.80	0.80	0.02	27.8	158.6	0.06	7.0	Dud
392	BT_048	30-Oct-07	11.26050	108.50016	Bình Thuận	Hải Ninh	5.0	6.8	0.35	0.90	0.02	27.7	110.2	0.05	7.3	Dud
393	BT_049	30-Oct-07	11.28324	108.50231	Bình Thuận	Phan Điền	16.3	2.9	0.50	0.90	0.02	27.5	27.6	0.01	6.6	Dud
394	BT_050	30-Oct-07	11.28348	108.50440	Bình Thuận	Phan Điền	1.7	4.0	0.45	0.80	0.04	27.9	162.1	0.07	6.7	Dud
395	BT_051	30-Oct-07	11.28773	108.49867	Bình Thuận	Phan Điền	1.4	2.9	0.80	0.80	0.05	28.2	32.6	0.01	7.3	Dud
396	BT_052	30-Oct-07	11.29191	108.50168	Bình Thuận	Phan Điền	3.1	6.5	0.45	0.90	0.06	28.8	8.1	0.00	6.3	Dud
397	BT_053	30-Oct-07	11.29971	108.44544	Bình Thuận	Bình An	2.8	3.8	0.70	0.80	0.10	28.3	50.4	0.02	6.9	Dud
398	BT_054	30-Oct-07	11.30490	108.44973	Bình Thuận	Bình An	1.7	3.7	0.65	0.80	0.10	26.2	33.7	0.02	6.6	Dud
399	BT_055	30-Oct-07	10.96111	108.32773	Bình Thuận	P. Mũi Né	1.1	3.1	0.75	0.65	0.06	28.9	57.1	0.03	6.5	Dud
400	BT_056	30-Oct-07	10.96110	108.32791	Bình Thuận	P. Mũi Né	1.4	6.0	0.00	0.03	0.00	25.8	28.4	0.01	6.6	Drill
401	BT_057	30-Oct-07	10.93605	108.28701	Bình Thuận	P. Mũi Né	2.1	3.2	0.60	1.25	0.10	28.2	74.1	0.04	7.0	Dud
402	BT_058	30-Oct-07	10.93648	108.28791	Bình Thuận	P. Mũi Né	1.5	1.9	0.55	1.10	0.06	27.7	118.5	0.09	6.8	Dud
403	BT_059	30-Oct-07	10.95470	108.25056	Bình Thuận	P. Hàm Tiến	0.9	0.8	0.05	0.65	0.04	28.4	15.1	0.01	6.1	Dud
404	BT_060	30-Oct-07	10.95330	108.24993	Bình Thuận	P. Hàm Tiến	0.4	2.2	0.46	0.80	0.05	27.1	34.3	0.02	6.2	Dud
405	BT_061	30-Oct-07	10.97422	108.24841	Bình Thuận	Thiên Nghiệp	1.7	5.7	0.65	1.00	0.10	27.4	36.0	0.02	7.1	Dud
406	BT_062	30-Oct-07	10.97466	108.24827	Bình Thuận	Thiên Nghiệp	1.7	4.0	0.25	1.20	0.10	27.7	35.6	0.02	6.9	Dud
407	BT_063	31-Oct-07	10.72442	107.90228	Bình Thuận	Tân Thuận	1.2	3.0	0.90	1.30	0.08	27.6	82.7	0.04	7.1	Dud
408	BT_064	31-Oct-07	10.72445	107.90224	Bình Thuận	Tân Thuận	1.1	2.5	0.27	0.85	0.04	28.2	96.7	0.05	7.1	Dud
409	BT_065	31-Oct-07	10.72182	107.94339	Bình Thuận	Tân Thành	5.4	6.2	0.25	3.15	0.08	27.9	102.1	0.05	7.3	Dud
410	BT_066	31-Oct-07	10.72208	107.94526	Bình Thuận	Tân Thành	0.4	1.0	0.45	0.90	0.04	26.7	23.6	0.01	7.8	Dud
411	BT_067	31-Oct-07	10.72077	107.96506	Bình Thuận	Tân Thành	1.2	2.0	0.47	1.95	0.08	27.1	47.6	0.02	6.9	Dud
412	BT_068	31-Oct-07	10.72177	107.96521	Bình Thuận	Tân Thành	0.6	1.2	0.15	1.00	0.10	27.7	18.1	0.01	5.9	Dud
413	BT_069	31-Oct-07	10.70217	107.98904	Bình Thuận	Kê Gà	1.7	3.1	0.25	0.90	0.04	29.2	28.3	0.01	7.6	Dud
414	BT_070	31-Oct-07	10.70365	107.98952	Bình Thuận	Kê Gà	1.1	3.0	1.20	0.90	0.05	26.6	37.3	0.02	8.2	Dud
415	BT_071	31-Oct-07	10.73797	107.93810	Bình Thuận	Tân Thành	3.8	4.1	0.77	1.15	0.10	28.3	23.4	0.01	5.7	Dud
416	BT_072	31-Oct-07	10.73818	107.93778	Bình Thuận	Tân Thành	2.2	2.9	0.35	1.20	0.10	28.0	24.4	0.01	6.6	Dud
417	BT_073	31-Oct-07	10.75267	107.88155	Bình Thuận	Tân Thuận	2.4	3.7	0.50	1.10	0.12	27.5	100.2	0.05	6.8	Dud
418	BT_074	31-Oct-07	10.75219	107.88127	Bình Thuận	Tân Thuận	2.6	3.9	0.65	1.25	0.12	27.8	231.0	0.12	6.9	Dud
419	BT_075	31-Oct-07	10.72599	107.87079	Bình Thuận	Tân Hải	1.8	4.7	0.75	1.10	0.10	28.0	73.2	0.03	6.0	Dud
420	BT_076	31-Oct-07	10.72573	107.87081	Bình Thuận	Tân Hải	1.4	3.2	0.47	1.20	0.11	29.0	143.6	0.07	6.7	Dud
421	BT_077	31-Oct-07	10.71091	107.83649	Bình Thuận	Tân Tiến	2.5	3.2	0.60	1.30	0.10	28.0	23.4	0.01	6.8	Dud
422	BT_078	31-Oct-07	10.71089	107.83647	Bình Thuận	Tân Tiến	1.2	2.3	0.70	0.75	0.04	28.6	34.7	0.01	6.6	Dud
423	BT_079	31-Oct-07	10.70211	107.78545	Bình Thuận	Tân Bình	9.4	15.0	0.00	0.05	0.01	28.5	165.0	0.02	6.4	Dud
424	BT_080	31-Oct-07	10.70240	107.78566	Bình Thuận	Tân Bình	3.1	4.2	0.13	0.70	0.05	29.1	13.2	0.01	6.7	Dud
425	BT_081	31-Oct-07	10.67035	107.77639	Bình Thuận	Tân Bình	8.0	10.0	0.40	1.10	0.10	28.6	182.1	0.08	7.0	Dud
426	BT_082	31-Oct-07	10.67056	107.77618	Bình Thuận	Tân Bình	11.2	13.0	0.00	0.05	0.01	28.9	137.4	0.06	6.7	Drill
427	BT_083	7-Dec-07	10.95780	108.14360	Bình Thuận	Thị trấn Phú Long	-999.0	10.0	-999.00	-999.00	-999.00	27.1	262.0	0.13	6.9	Drill
428	BT_084	7-Dec-07	10.95799	108.14447	Bình Thuận	Thị trấn Phú Long	1.2	6.0	0.75	1.30	0.25	25.9	432.0	0.22	8.4	Dud
429	BT_085	7-Dec-07	10.98568	108.15157	Bình Thuận	Thị trấn Phú Long	-999.0	18.0	-999.00	-999.00	-999.00	28.4	132.0	0.07	7.1	Drill
430	BT_086	7-Dec-07	10.98518	108.15282	Bình Thuận	Thị trấn Phú Long	1.0	4.0	0.60	1.70	0.18	28.4	161.8	0.08	7.0	Dud
431	BT_087	7-Dec-07	11.00917	108.15948	Bình Thuận	Hàm Đức	1.1	5.5	0.40	1.10	0.05	27.9	269.0	0.14	7.4	Dud
432	BT_088	7-Dec-07	11.00935	108.16045	Bình Thuận	Hàm Đức	-999.0	7.0	-999.00	-999.00	-999.00	27.6	60.3	0.03	6.6	Drill
433	BT_089	7-Dec-07	11.03943	108.16484	Bình Thuận	Hàm Đức	-999.0	22.0	-999.00	-999.00	-999.00	28.5	116.4	0.06	7.4	Drill
434	BT_090	7-Dec-07	11.04057	108.16488	Bình Thuận	Hàm Đức	-999.0	16.0	-999.00	-999.00	-999.00	28.0	580.0	0.31	7.2	Drill

Table Results of Water Quality Measurement for Detailed Seawater Intrusion Survey (1/5)

P4 AN MY																				
Well No.	P4-DSIS01				P4-DSIS02				P4-DSIS04				P4-DSIS06				P4-DSIS08			
	Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH
7:00	23.6	1.062	7.1	0.05	22.8	629	8.0	0.03	22.9	364	6.6	0.02	23.0	423	7.6	0.02	22.5	602	6.8	0.03
8:00	23.5	1.036	7.1	0.05	23.2	641	8.3	0.03	23.5	369	6.6	0.02	23.5	426	7.5	0.02	22.6	645	6.7	0.03
9:00	23.7	1.033	7.2	0.05	25.5	634	8.3	0.03	24.1	366	6.4	0.02	24.1	420	7.5	0.02	23.1	597	6.7	0.03
10:00	24.2	1.039	7.5	0.05	24.2	626	8.2	0.03	25.2	382	6.4	0.02	24.2	420	7.3	0.02	23.9	621	6.6	0.03
11:00	24.5	1.036	7.3	0.05	24.6	637	8.3	0.03	25.7	371	6.3	0.02	24.3	418	7.2	0.02	24.0	618	6.6	0.03
12:00	25.2	1.043	7.3	0.05	26.2	630	8.1	0.03	26.2	372	6.5	0.02	24.8	419	7.1	0.02	24.6	620	6.7	0.03
13:00	24.7	1.033	7.4	0.05	26.5	632	8.3	0.03	26.5	394	6.4	0.02	25.3	417	7.2	0.02	24.6	624	6.8	0.03
14:00	25.1	1.044	7.5	0.05	26.6	631	8.3	0.03	26.7	374	6.5	0.02	25.4	415	7.2	0.02	24.0	620	6.6	0.03
15:00	25.6	1.046	7.3	0.05	27.0	649	8.4	0.03	26.1	376	6.6	0.02	25.5	414	7.2	0.02	24.7	622	6.6	0.03
16:00	24.3	1.039	7.3	0.05	24.9	630	8.1	0.03	24.8	375	6.5	0.02	24.3	418	7.0	0.02	24.3	616	6.6	0.03
17:00	24.5	1.044	7.4	0.05	25.0	639	8.2	0.03	24.6	383	6.3	0.02	24.4	416	7.0	0.02	23.7	623	6.7	0.03
18:00	25.1	1.047	7.3	0.05	26.0	633	8.1	0.03	25.2	380	6.3	0.02	24.9	414	7.1	0.02	23.9	621	6.6	0.03
19:00	23.8	1.048	7.6	0.05	23.1	633	8.1	0.03	23.1	385	6.5	0.02	23.9	417	7.0	0.02	22.8	600	6.7	0.03
20:00	24.5	1.034	7.4	0.05	23.7	639	8.2	0.03	27.7	395	6.2	0.02	23.9	413	7.0	0.02	23.1	622	6.6	0.03
21:00	25.1	1.045	7.4	0.05	25.4	636	8.2	0.03	24.8	383	6.2	0.02	24.8	414	7.0	0.02	23.9	624	6.8	0.03
22:00	23.5	1.039	7.4	0.05	23.0	636	8.1	0.03	22.2	396	6.4	0.02	23.5	411	7.0	0.02	22.9	622	6.6	0.03
23:00	23.9	1.042	7.6	0.05	23.2	642	8.2	0.03	23.5	385	6.4	0.02	23.6	412	7.1	0.02	23.1	624	6.5	0.03
0:00	24.8	1.050	7.3	0.05	25.5	635	8.2	0.03	24.2	385	6.3	0.02	24.6	413	7.2	0.02	22.7	633	6.6	0.03
1:00	22.3	1.033	7.2	0.05	21.4	609	8.3	0.03	21.8	382	6.8	0.02	22.9	410	7.2	0.02	22.5	600	6.6	0.03
2:00	22.8	1.020	7.2	0.05	21.4	644	8.3	0.03	21.1	395	6.7	0.02	21.0	423	7.4	0.02	22.5	604	6.7	0.03
3:00	22.3	1.053	7.2	0.05	21.5	610	8.3	0.03	21.9	386	6.7	0.02	22.0	414	7.1	0.02	22.4	605	6.6	0.03
4:00	22.4	1.056	7.2	0.05	21.2	610	8.3	0.03	24.1	387	6.6	0.02	22.5	415	7.2	0.02	22.6	626	6.5	0.03
5:00	22.6	1.058	7.2	0.05	21.7	613	8.4	0.03	21.3	387	6.6	0.02	21.7	432	7.7	0.02	22.4	606	6.5	0.03
6:00	23.3	1.056	7.2	0.05	24.7	632	8.3	0.03	22.3	393	6.5	0.02	21.6	430	7.6	0.02	24.5	622	6.5	0.03
Average	24.0	1.043	7.3	0.05	24.1	631	8.2	0.03	24.2	382	6.5	0.02	23.7	418	7.2	0.02	23.4	617	6.6	0.03

P4 AN MY																				
Well No.	P4-DSIS10				P4-DSIS13				P4-DSIS15				P4-DSIS16				P4-DSIS 18			
	Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH
7:00	22.8	1.066	7.3	0.05	21.2	1.114	7.3	0.06	24.4	1.062	7.7	0.05	22.9	408	7.6	0.02	22.8	1.319	6.4	0.07
8:00	22.6	1.042	7.4	0.05	21.7	1.130	7.2	0.06	24.5	1.060	7.5	0.05	23.0	422	7.9	0.02	22.9	1.306	6.4	0.06
9:00	23.3	1.063	7.4	0.05	21.9	1.127	7.3	0.06	24.6	1.060	7.7	0.05	23.3	406	7.9	0.02	23.0	1.314	6.4	0.07
10:00	23.8	1.064	7.2	0.05	25.2	1.136	7.4	0.06	23.5	1.061	8.1	0.05	24.9	408	8.0	0.02	24.5	1.324	6.5	0.07
11:00	24.4	1.056	7.5	0.05	25.5	1.131	7.3	0.06	23.2	1.076	8.0	0.05	24.8	422	8.0	0.02	24.5	1.316	6.6	0.07
12:00	24.6	1.044	7.4	0.05	26.0	1.136	7.3	0.06	23.0	1.065	8.1	0.05	24.4	409	8.0	0.02	24.6	1.321	6.4	0.07
13:00	25.1	1.065	7.3	0.05	26.2	1.137	7.4	0.06	24.0	1.076	8.1	0.05	28.1	417	8.0	0.02	25.2	1.316	6.5	0.07
14:00	24.9	1.060	7.3	0.05	26.4	1.134	7.3	0.06	23.9	1.072	8.0	0.05	27.7	409	8.0	0.02	25.2	1.315	6.4	0.07
15:00	24.8	1.064	7.4	0.05	26.2	1.138	7.3	0.06	23.9	1.059	8.0	0.05	26.7	410	8.1	0.02	25.1	1.319	6.4	0.07
16:00	24.1	1.063	7.2	0.05	23.2	1.131	7.2	0.06	23.0	1.077	8.0	0.05	23.5	408	8.0	0.02	24.0	1.313	6.6	0.07
17:00	23.7	1.064	7.4	0.05	23.6	1.132	7.3	0.06	22.9	1.072	8.0	0.05	23.3	422	8.0	0.02	23.9	1.303	6.5	0.06
18:00	24.4	1.062	7.4	0.05	24.1	1.131	7.2	0.06	22.8	1.073	8.0	0.05	23.8	405	8.0	0.02	24.1	1.311	6.4	0.07
19:00	23.5	1.064	7.2	0.05	22.6	1.132	7.3	0.06	22.5	1.078	8.0	0.05	22.6	408	8.1	0.02	23.1	1.296	6.4	0.06
20:00	23.2	1.049	7.4	0.05	23.0	1.131	7.3	0.06	22.4	1.080	8.0	0.05	22.3	430	8.1	0.02	23.4	1.316	6.6	0.06
21:00	24.0	1.060	7.4	0.05	23.3	1.130	7.3	0.06	22.6	1.074	8.0	0.05	22.9	408	8.1	0.02	23.4	1.311	6.5	0.07
22:00	22.9	1.065	7.4	0.05	22.5	1.111	7.5	0.06	24.0	1.047	7.9	0.05	21.8	420	8.0	0.02	22.8	1.306	6.4	0.06
23:00	22.4	1.044	7.3	0.05	22.3	1.132	7.3	0.06	24.1	1.048	7.9	0.05	22.1	411	8.1	0.02	23.2	1.316	6.5	0.07
0:00	23.6	1.063	7.3	0.05	22.1	1.118	7.7	0.06	24.2	7.9	0.05	22.5	408	8.0	0.02	23.3	1.317	6.4	0.07	
1:00	22.4	1.062	7.5	0.05	22.6	1.138	7.4	0.06	22.0	1.030	7.9	0.05	22.3	404	7.6	0.02	22.1	1.318	6.1	0.07
2:00	22.3	1.065	7.6	0.05	21.8	1.142	7.4	0.06	22.3	1.035	7.9	0.05	21.4	402	7.6	0.02	22.0	1.309	6.3	0.07
3:00	22.4	1.062	7.5	0.05	21.9	1.136	7.9	0.06	21.9	1.040	7.9	0.05	22.0	429	7.5	0.02	22.2	1.323	6.4	0.07
4:00	22.1	1.065	7.7	0.05	21.5	1.138	7.5	0.06	22.6	1.046	7.9	0.05	22.1	410	7.6	0.02	21.6	1.320	5.6	0.07
5:00	22.1	1.068	7.7	0.05	21.5	1.141	7.5	0.06	23.3	1.088	7.9	0.05	22.5	412	7.7	0.02	21.5	1.322	6.6	0.07
6:00	22.7	1.070	7.6	0.05	22.0	1.122	7.6	0.06	24.0	1.020	7.9	0.05	23.0	410	7.5	0.02	22.8	1.326	6.5	0.07
Average	23.4	1.060	7.4	0.05	23.3	1.131	7.4	0.06	23.3	1.061	7.9	0.05	23.5	412	7.9	0.02	23.4	1.315	6.4	0.07

K3 CAM HAI TAY																				
Well No.	K3-DSIS1				K3-DSIS3				K3-DSIS5				K3-DSIS9				K3-DSIS11			
	Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH
7:00	25.0	2.700	6.0	0.14	25.0	1.373	6.2	0.07	25.7	531	6.8	0.03	26.6	411	6.8	0.02	26.3	222	6.3	0.01
8:00	25.4	2.630	5.8	0.13	26.3	1.329	6.2	0.07	26.3	474	6.6	0.02	26.8	394	6.7	0.02	26.6	208	6.0	0.01
9:00	26.7	2.690	6.0	0.14	27.7	1.330	6.2	0.07	26.7	475	6.5	0.02	26.9	392	6.6	0.02	26.9	206	5.8	0.01
10:00	26.9	2.670	5.9	0.13	27.0	1.311	6.1	0.06	26.6	476	6.6	0.02	27.3	403	6.3	0.02	27.3	208	5.6	0.01
11:00	27.4	2.640	5.8	0.13	26.4	1.327	6.1	0.07	27.3	489	6.5	0.02	27.6	505	6.6	0.02	28.5	275	6.7	0.01
12:00	27.2	2.480	5.9	0.12	26.3	1.329	6.2	0.07	26.9	471	6.5	0.02	27.9	399	6.7	0.02	28.6	209	6.1	0.01
13:00	27.7	2.650	5.8	0.13	26.1	1.342	6.4	0.07	27.5	479	6.2	0.02	27.6	397	6.6	0.02	28.6	208	5.9	0.01
14:00	27.4	2.670	5.8	0.14	26.7	1.325	6.2	0.07	27.8	507	6.2	0.02	26.5	400	6.6	0.02	25.5	204	5.9	0.01
15:00	28.2	2.660	5.8	0.13	25.2	1.369	6.2	0.07	28.1	509	6.1	0.02	26.5	405	6.5	0.02	25.0	204	5.8	0.01
16:00	24.8	2.630	6.2	0.13	24.9	1.334	6.2													

Table Results of Water Quality Measurement for Detailed Seawater Intrusion Survey (2/5)

N1 NHON HAI																				
Well No.	N1-DSIS05				N1-DSIS07				N1-DSIS09				N1-DSIS10				N1-DSIS11			
Time	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)
7:00	26.7	14.370	7.7	0.80	26.3	6.540	7.7	0.35	26.1	998	7.7	0.05	24.7	8.010	7.7	0.43	25.4	3.240	7.7	0.17
8:00	26.8	14.410	7.7	0.81	26.3	6.540	7.7	0.35	26.5	968	7.7	0.05	24.7	7.980	7.7	0.43	25.5	3.290	7.7	0.17
9:00	27.0	14.210	7.7	0.79	26.7	6.560	7.7	0.35	27.3	1,317	7.7	0.07	27.9	7.960	7.8	0.43	25.7	3.240	7.7	0.17
10:00	27.1	14.390	7.7	0.80	27.1	6.560	7.8	0.35	27.4	983	7.7	0.05	28.6	8.090	7.7	0.43	26.1	3.220	7.7	0.17
11:00	27.0	14.370	7.7	0.80	27.3	6.580	7.7	0.35	27.4	970	7.7	0.05	28.6	8.130	7.6	0.44	26.7	3.080	7.6	0.16
12:00	28.3	14.370	7.7	0.81	28.3	6.750	7.6	0.35	29.5	1,110	7.6	0.06	27.4	8.280	7.8	0.44	26.6	3.170	7.7	0.16
13:00	28.3	14.180	7.7	0.79	28.4	6.640	7.7	0.36	29.2	1,413	7.6	0.07	28.6	8.050	7.9	0.43	26.6	3.150	7.7	0.16
14:00	28.3	14.130	7.6	0.79	28.5	6.630	7.7	0.36	28.9	1,429	7.6	0.07	29.4	8.020	7.8	0.43	26.6	3.340	7.7	0.17
15:00	26.6	14.030	7.6	0.78	26.8	6.570	7.7	0.36	25.8	1,139	7.7	0.06	27.2	7.780	7.7	0.42	25.8	3.230	7.6	0.16
16:00	26.3	14.030	7.6	0.78	26.9	6.600	7.6	0.36	25.8	1,204	7.6	0.06	26.8	7.860	7.6	0.42	25.5	3.200	7.6	0.16
17:00	26.0	14.160	7.6	0.78	26.9	6.600	7.6	0.35	25.6	1,224	7.6	0.06	26.8	8.000	7.6	0.43	25.3	3.150	7.6	0.16
18:00	25.4	13.950	7.8	0.77	25.9	6.240	7.8	0.33	25.3	1,047	7.8	0.05	26.5	8.020	7.7	0.43	25.7	3.200	7.7	0.16
19:00	25.4	13.820	7.8	0.77	26.1	6.290	7.8	0.34	25.3	1,326	7.8	0.07	25.4	7.710	7.8	0.40	25.1	3.110	7.8	0.16
20:00	25.4	13.920	7.8	0.78	26.3	6.340	7.8	0.34	25.4	1,798	7.8	0.09	25.0	7.410	7.8	0.40	24.9	3.110	7.8	0.16
21:00	24.5	13.750	7.8	0.77	24.5	6.550	7.8	0.35	24.7	1,101	7.8	0.05	25.6	8.150	7.7	0.44	24.6	3.120	7.8	0.16
22:00	24.4	14.070	7.8	0.79	24.6	6.420	7.8	0.34	24.7	980	7.8	0.05	25.0	7.930	7.7	0.43	24.3	3.150	7.7	0.20
23:00	24.4	14.090	7.8	0.79	24.8	6.390	7.8	0.34	24.4	1,404	7.7	0.07	24.7	8.010	7.7	0.43	24.0	3.220	7.8	0.16
0:00	25.5	14.210	7.7	0.79	25.5	6.470	7.8	0.34	24.8	1,448	7.8	0.07	24.7	8.750	7.7	0.43	23.4	3.220	7.7	0.16
1:00	25.3	14.340	7.7	0.80	25.5	6.450	7.8	0.35	24.6	1,449	7.7	0.07	24.1	8.120	7.5	0.43	23.7	3.120	7.8	0.16
2:00	24.8	14.540	7.7	0.81	25.5	6.500	7.9	0.35	24.3	1,610	7.7	0.08	23.8	7.920	7.8	0.42	23.8	3.090	7.8	0.16
3:00	23.7	14.180	7.8	0.79	24.1	6.610	7.8	0.35	24.7	1,613	7.8	0.08	23.7	7.980	7.8	0.43	23.8	3.100	7.8	0.16
4:00	23.8	14.410	7.8	0.81	24.2	6.520	7.8	0.35	24.3	1,636	7.7	0.08	24.1	7.890	7.7	0.43	23.7	3.150	7.8	0.16
5:00	23.9	14.430	7.8	0.81	24.3	6.520	7.8	0.35	24.0	1,040	7.7	0.05	24.9	7.960	7.8	0.43	23.7	3.140	7.8	0.16
6:00	26.6	13.580	7.8	0.76	26.6	6.700	7.7	0.36	25.7	1,225	7.8	0.06	25.0	8.040	7.7	0.43	25.3	3.750	7.7	0.20
Average	25.9	14.164	7.7	0.79	26.1	6.524	7.7	0.35	25.9	1,268	7.7	0.06	26.0	8.002	7.7	0.43	25.1	3.201	7.7	0.17

N1 NHON HAI																				
Well No.	N1-DSIS13				N1-DSIS15				N1-DSIS16				N1-DSIS17				N1-DSIS18			
Time	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)
7:00	25.7	14.510	7.7	0.81	26.9	1.859	7.6	0.09	25.6	766	7.7	0.04	25.8	1.805	7.7	0.09	25.6	1.905	7.7	0.10
8:00	25.8	14.490	7.7	0.81	26.8	1.839	7.6	0.09	25.6	764	7.7	0.04	25.7	1.817	7.7	0.09	25.8	1.902	7.7	0.10
9:00	25.7	14.440	7.7	0.81	26.4	1.853	7.7	0.09	25.7	764	7.7	0.04	25.8	1.808	7.7	0.09	25.7	1.909	7.7	0.10
10:00	28.8	14.300	7.7	0.80	26.3	1.856	7.6	0.09	25.6	778	7.7	0.04	25.7	1.835	7.7	0.09	25.6	1.922	7.8	0.10
11:00	28.6	14.460	7.6	0.81	26.4	1.855	7.6	0.09	25.7	819	7.7	0.06	26.5	1.869	7.7	0.09	26.1	1.941	7.6	0.10
12:00	27.2	14.480	7.6	0.81	26.3	1.887	7.7	0.09	26.1	821	7.7	0.04	27.2	1.835	7.7	0.09	26.6	1.926	7.8	0.10
13:00	26.8	14.450	7.6	0.81	26.5	1.849	7.7	0.09	26.5	844	7.8	0.04	27.7	1.806	7.8	0.09	27.2	1.924	7.8	0.10
14:00	27.1	14.480	7.6	0.81	26.4	1.871	7.7	0.09	26.8	767	7.7	0.04	27.2	1.814	7.8	0.09	27.4	1.914	7.8	0.10
15:00	24.8	14.180	7.6	0.79	24.4	1.841	7.6	0.09	24.2	827	7.6	0.06	24.7	1.847	7.6	0.09	26.4	1.855	7.7	0.09
16:00	24.7	14.450	7.6	0.81	24.3	1.836	7.6	0.09	24.2	771	7.6	0.04	24.1	1.837	7.6	0.09	24.5	1.898	7.7	0.10
17:00	24.7	14.460	7.6	0.81	24.3	1.852	7.7	0.09	24.5	806	7.7	0.04	24.2	1.798	7.7	0.09	24.5	1.902	7.7	0.10
18:00	24.5	13.400	7.8	0.74	25.0	1.821	7.8	0.09	25.4	991	7.8	0.05	24.3	1.801	7.8	0.09	25.1	1.893	7.8	0.09
19:00	24.3	14.340	7.8	0.80	24.6	1.838	7.8	0.09	24.9	794	7.7	0.04	24.4	1.794	7.8	0.09	24.9	1.890	7.7	0.09
20:00	24.3	14.520	7.7	0.81	24.4	1.818	7.8	0.09	24.9	763	7.8	0.04	25.0	1.813	8.0	0.09	24.5	1.892	7.8	0.09
21:00	24.6	14.440	7.8	0.80	24.2	1.825	7.8	0.09	23.8	786	7.8	0.04	24.6	1.811	7.8	0.09	24.4	1.891	7.7	0.09
22:00	24.7	14.360	7.8	0.80	24.1	1.838	7.8	0.09	23.4	810	7.8	0.04	24.2	1.727	7.8	0.09	24.1	1.889	7.7	0.09
23:00	24.5	14.500	7.8	0.81	23.8	1.871	7.8	0.09	23.5	763	7.8	0.04	23.8	1.795	7.7	0.09	23.7	1.890	7.7	0.09
0:00	24.5	14.510	7.8	0.80	23.5	1.862	7.8	0.09	23.5	762	7.8	0.04	23.5	1.798	7.8	0.09	23.5	1.893	7.7	0.09
1:00	24.6	14.120	7.8	0.82	23.4	1.856	7.8	0.09	23.4	765	7.9	0.04	23.5	1.798	7.8	0.09	23.2	1.895	7.7	0.09
2:00	23.8	14.040	7.8	0.79	23.4	1.841	7.8	0.09	23.4	765	8.0	0.04	23.6	1.806	8.0	0.09	23.5	1.895	7.8	0.09
3:00	23.6	14.240	7.8	0.81	23.5	1.841	7.8	0.09	23.9	775	7.8	0.04	23.7	1.814	7.8	0.09	23.7	1.902	7.7	0.09
4:00	23.7	14.220	7.8	0.82	23.9	1.842	7.8	0.09	23.9	782	7.8	0.04	23.9	1.816	7.8	0.09	24.1	1.915	7.7	0.09
5:00	23.6	14.440	7.8	0.81	24.2	1.836	7.8	0.09	24.5	799	7.8	0.04	24.3	1.821	7.8	0.09	24.2	2.110	7.8	0.10
6:00	25.6	14.460	7.7	0.78	27.2	1.952	7.6	0.09	25.7	827	7.7	0.04	26.1	1.804	7.7	0.09	25.5	1.796	7.7	0.09
Average	25.3	14.345	7.7	0.80	25.0	1.852	7.7	0.09	24.8	796	7.7	0.04	25.0	1.811	7.7	0.09	25.0	1.906	7.7	0.09

N2 CÔNG HAI																				
Well No.	N2-DSIS01				N2-DSIS04				N2-DSIS07				N2-DSIS08				N2-DSIS09			
Time	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)	°C	EC (µS/cm)	pH	Salinity(%)
7:00	26.6	1.204	6.8	0.06	25.5	754	6.5	0.04	27.4	1,002	6.6	0.05	26.2	604	6.5	0.03	26.3	535	6.5	0.02
8:00	26.8	1.217	6.8	0.06	25.4	753	6.5	0.04	27.4	1,002	6.7	0.05	26.3	604	6.5	0.03	26.8	531	6.6	0.02
9:00	27.6	1.186	6.8	0.06	25.6	753	6.5	0.04	27.2	1,001	6.6	0.05	26.4	604	6.5	0.03	27.1	529	6.6	0.02
10:00	28.6	1.193	6.8	0.06	26.2	752	6.5	0.04	26.5	1,001	6.7	0.05	27.2	599	6.4	0.03	27.2	520	6.6	0.02
11:00	28.3	1.187	6.9	0.06	26.5	751	6.4	0.04	26.6	1,003	6.7	0.05	26.9	619	6.5	0.03	27.4	515	6.5	0.02
12:00	28.4	1.194	6.8	0.06	26.4	752	6.4	0.04	26.6	1,007	6.6	0.05	27.5	606	6.5	0.03	27.5	514	6.6	0.02
13:00	28.4	1.196	6.8	0.06	25.9	748	6.4	0.04	26.3	1,001	6.7	0.05	24.6	606	6.6	0.03	27.5	514	6.6	0.02
14:00	27.4	1.192	6.8	0.06	25.7	750	6.5	0.04	25.7	1,002	6.6	0.05	24.6	638	6.4	0.03	27.3	512	6.6	0.02
15:00	27.6</																			

Table Results of Water Quality Measurement for Detailed Seawater Intrusion Survey (3/5)

N3 BAC SON																				
Well No.	N3-DSIS01				N3-DSIS02				N3-DSIS03				N3-DSIS06				N3-DSIS08			
	Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH
7:00	26.0	7,590	7.7	0.41	26.0	296	7.7	0.01	26.7	6,550	7.7	0.35	25.8	1,186	7.7	0.06	26.6	3,040	7.7	0.15
8:00	26.0	7,810	7.7	0.41	26.0	174	7.7	0.01	26.4	6,640	7.7	0.35	25.7	1,135	7.7	0.06	26.5	3,070	7.7	0.16
9:00	26.0	7,860	7.7	0.42	26.5	201	7.8	0.01	26.3	6,730	7.7	0.36	25.6	1,125	7.7	0.06	26.3	3,080	7.6	0.16
10:00	26.2	7,850	7.8	0.42	26.5	211	7.8	0.02	26.3	6,510	7.7	0.35	27.8	1,134	7.6	0.06	27.9	3,050	7.7	0.15
11:00	26.5	7,880	7.8	0.42	26.6	169	7.7	0.01	26.3	6,700	7.7	0.36	27.8	1,136	7.7	0.06	27.8	3,070	7.6	0.16
12:00	26.6	7,870	7.8	0.42	26.6	174	7.7	0.01	26.2	6,650	7.7	0.36	27.7	1,139	7.6	0.06	27.7	3,030	7.6	0.15
13:00	27.9	7,830	7.7	0.42	26.9	200	7.6	0.01	28.0	6,640	7.6	0.35	26.6	1,185	7.7	0.06	26.6	3,060	7.7	0.16
14:00	28.0	7,890	7.6	0.43	26.9	181	7.6	0.01	28.0	6,600	7.6	0.35	26.7	1,151	7.7	0.06	26.5	2,940	7.7	0.15
15:00	28.0	7,860	7.7	0.42	26.9	185	7.7	0.01	27.8	6,490	7.6	0.35	26.8	1,148	7.7	0.06	26.6	2,970	7.7	0.15
16:00	24.4	7,830	7.7	0.42	24.5	212	7.6	0.01	24.6	6,510	7.6	0.35	23.8	1,187	7.7	0.06	23.7	3,010	7.7	0.15
17:00	24.5	7,850	7.7	0.42	24.3	206	7.6	0.01	24.6	6,530	7.6	0.35	23.9	1,153	7.7	0.06	23.8	3,030	7.7	0.15
18:00	24.6	7,850	7.7	0.42	24.2	205	7.6	0.01	24.7	6,480	7.6	0.35	24.0	1,154	7.7	0.06	23.8	3,110	7.7	0.16
19:00	23.8	7,640	7.6	0.41	23.7	230	7.7	0.01	23.7	6,520	7.6	0.35	23.8	1,191	7.6	0.06	23.7	3,100	7.7	0.15
20:00	23.5	7,840	7.6	0.42	23.7	222	7.7	0.01	23.7	6,530	7.6	0.35	23.7	1,168	7.6	0.06	23.6	3,050	7.6	0.16
21:00	23.5	7,870	7.6	0.42	23.6	213	7.6	0.01	23.7	6,550	7.6	0.35	23.6	1,163	7.6	0.06	23.6	3,060	7.6	0.16
22:00	23.7	7,680	7.6	0.41	23.0	279	7.7	0.01	23.2	6,450	7.6	0.35	23.1	1,208	7.7	0.06	23.0	3,060	7.6	0.16
23:00	23.5	7,820	7.6	0.42	23.9	230	7.7	0.01	23.0	6,510	7.7	0.35	23.0	1,172	7.7	0.06	23.1	3,090	7.6	0.16
0:00	23.4	7,870	7.6	0.42	23.8	219	7.6	0.01	23.0	6,490	7.7	0.35	23.0	1,174	7.7	0.06	23.1	3,050	7.6	0.16
1:00	23.4	7,990	7.6	0.42	23.9	259	7.7	0.01	23.9	6,590	7.7	0.35	23.1	1,240	7.7	0.06	23.2	3,050	7.6	0.16
2:00	22.9	7,850	7.6	0.42	23.8	235	7.7	0.01	22.9	6,580	7.7	0.35	23.1	1,201	7.7	0.06	23.2	3,060	7.6	0.16
3:00	22.8	7,890	7.6	0.42	23.9	245	7.7	0.01	22.9	6,630	7.7	0.36	23.3	1,193	7.7	0.06	23.3	3,010	7.7	0.16
4:00	22.8	7,890	7.6	0.42	22.6	266	7.6	0.01	22.8	6,570	7.7	0.35	23.0	1,203	7.6	0.06	23.0	3,030	7.7	0.16
5:00	22.7	7,900	7.6	0.43	22.7	271	7.6	0.01	22.8	6,660	7.7	0.36	23.1	1,208	7.7	0.06	23.0	3,060	7.7	0.16
6:00	23.1	7,840	7.6	0.42	22.6	288	7.6	0.01	22.8	6,670	7.7	0.36	23.0	1,197	7.7	0.06	23.6	3,050	7.6	0.16
Average	24.7	7,835	7.7	0.42	24.5	224	7.7	0.01	24.7	6,574	7.6	0.35	24.6	1,173	7.7	0.06	24.7	3,044	7.7	0.16

N3 BAC SON																				
Well No.	N3-DSIS09				N3-DSIS10				N3-DSIS11				N3-DSIS14				N3-DSIS20			
	Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH
7:00	27.1	455	7.7	0.02	26.2	1,694	7.7	0.08	26.3	697	7.7	0.03	26.3	333	7.7	0.02	24.6	225	7.7	0.01
8:00	26.6	240	7.6	0.01	26.3	1,408	7.7	0.07	26.4	549	7.7	0.03	26.2	319	7.7	0.02	25.1	222	7.7	0.01
9:00	26.2	224	7.6	0.01	26.3	1,372	7.7	0.07	26.2	544	7.7	0.03	26.1	316	7.7	0.02	26.1	226	7.8	0.01
10:00	28.2	261	7.7	0.01	28.3	1,373	7.7	0.07	28.2	584	7.7	0.03	27.8	365	7.7	0.02	26.5	219	7.7	0.01
11:00	28.3	227	7.7	0.01	28.4	1,373	7.7	0.07	28.3	531	7.7	0.03	27.7	352	7.7	0.02	27.6	261	7.7	0.02
12:00	28.4	224	7.7	0.01	28.4	1,373	7.7	0.07	28.1	531	7.6	0.03	27.7	357	7.7	0.02	27.6	195	7.7	0.01
13:00	27.2	242	7.7	0.01	27.0	1,363	7.7	0.07	27.1	538	7.7	0.03	27.7	376	7.6	0.02	26.9	221	7.7	0.01
14:00	27.2	229	7.7	0.01	27.0	1,370	7.6	0.07	27.2	531	7.7	0.03	27.7	365	7.6	0.02	26.7	213	7.7	0.01
15:00	27.1	228	7.6	0.01	27.0	1,373	7.7	0.07	27.1	530	7.7	0.03	27.6	365	7.6	0.02	26.9	217	7.7	0.01
16:00	24.1	242	7.6	0.01	24.5	1,385	7.6	0.07	24.8	527	7.6	0.03	25.1	396	7.6	0.02	24.2	268	7.7	0.01
17:00	24.5	261	7.9	0.01	24.5	1,370	7.6	0.07	24.8	529	7.6	0.03	25.1	366	7.6	0.02	24.3	229	7.7	0.01
18:00	23.6	227	7.6	0.01	24.5	1,370	7.6	0.07	24.8	529	7.7	0.03	25.1	367	7.6	0.02	24.3	229	7.7	0.01
19:00	23.8	224	7.7	0.01	23.8	1,377	7.6	0.07	24.0	535	7.6	0.03	24.5	386	7.6	0.02	23.6	245	7.6	0.01
20:00	23.5	242	7.7	0.01	23.7	1,371	7.7	0.07	23.9	532	7.6	0.03	24.5	378	7.6	0.02	23.7	239	7.7	0.01
21:00	23.4	246	7.7	0.01	23.7	1,372	7.7	0.07	23.9	529	7.6	0.03	24.4	379	7.6	0.02	23.8	243	7.7	0.01
22:00	23.6	245	7.6	0.01	23.3	1,366	7.7	0.07	23.9	541	7.7	0.03	24.3	389	7.6	0.02	23.1	257	7.7	0.01
23:00	23.0	249	7.6	0.01	23.2	1,367	7.6	0.07	23.8	536	7.6	0.03	24.2	384	7.6	0.02	23.1	247	7.7	0.01
0:00	23.2	246	7.7	0.01	23.2	1,373	7.6	0.07	23.8	535	7.6	0.03	24.1	384	7.6	0.02	23.2	247	7.7	0.01
1:00	23.3	242	7.6	0.01	23.3	1,362	7.6	0.07	22.9	605	7.6	0.03	23.5	401	7.6	0.02	23.0	252	7.7	0.01
2:00	23.0	246	7.9	0.01	23.2	1,371	7.6	0.07	22.9	552	7.6	0.03	23.4	398	7.6	0.02	23.0	252	7.7	0.01
3:00	23.0	245	7.6	0.01	23.0	1,375	7.6	0.07	22.8	545	7.6	0.03	23.2	407	7.6	0.02	23.0	256	7.6	0.01
4:00	22.9	252	7.7	0.01	22.9	1,401	7.6	0.07	22.7	540	7.6	0.03	23.2	392	7.6	0.02	22.9	276	7.7	0.01
5:00	22.5	256	7.7	0.01	22.9	1,412	7.7	0.07	22.6	532	7.6	0.03	23.1	391	7.6	0.02	22.9	292	7.7	0.01
6:00	23.0	245	7.6	0.01	22.8	1,377	7.7	0.07	22.6	531	7.7	0.03	24.5	397	7.7	0.02	22.9	262	7.7	0.01
Average	24.9	250	7.7	0.01	24.9	1,390	7.6	0.07	25.0	547	7.6	0.03	25.3	373	7.6	0.02	24.5	241	7.7	0.01

N4 PHUOC MINH																				
Well No.	N4-DSIS02				N4-DSIS05				N4-DSIS08				N4-DSIS10				N4-DSIS12			
	Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH
7:00	27.7	1,677	7.2	0.08	27.0	3,050	7.2	0.15	27.6	1,643	6.6	0.08	27.7	1,334	6.9	0.07	26.9	697	7.0	0.03
8:00	28.3	1,597	7.2	0.08	28.1	3,250	7.1	0.17	27.3	1,688	6.6	0.08	27.5	1,255	6.9	0.06	26.5	705	6.9	0.03
9:00	27.8	1,721	7.1	0.09	29.8	3,100	7.1	0.16	27.2	1,650	6.6	0.08	27.0	1,233	6.9	0.06	26.6	736	7.0	0.03
10:00	26.9	1,661	7.1	0.08	27.9	3,010	7.0	0.15	27.6	1,720	6.7	0.09	27.0	1,135	6.9	0.06	26.3	860	7.0	0.04
11:00	26.1	1,664	7.1	0.08	28.7	3,030	7.1	0.16	26.0	1,672	6.6	0.08	27.0	1,136	6.9	0.06	27.5	785	7.1	0.04
12:00	29.6	1,764	7.2	0.09	29.9	3,020	7.4	0.15	28.0	1,335	7.6	0.05	26.8	1,137	6.9	0.06	28.1	742	7.1	0.04
13:00	29.4	1,678	7.2	0.08	29.4	3,180	7.1	0.16	28.2	1,154	8.6	0.05	26.9	1,142	6.9	0.06	26.3	702	7.1	0.03
14:00	28.9	1,678	7.2	0.08	31.0	3,250	7.2	0.17	28.1	968	7.6	0.08	27.2	1,135	6.9	0.06	26.1	702	7.0	0.03
15:00	26.1	1,649	7.1	0.08	30.5	3,330	7.1	0.17	25.4	1,650	6.6	0.08	26.4	1,153	6.9	0.06	25.6	736	7.1	0.04
16:00	24.6	1,670																		

Table Results of Water Quality Measurement for Detailed Seawater Intrusion Survey (4/5)

N5 PHUỐC HAI																				
Well No.	N5-DSIS01				N5-DSIS04				N5-DSIS06				N5-DSIS08				N5-DSIS12			
Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)
7:00	24.7	1,362	7.5	0.07	26.5	1,280	7.4	0.02	25.7	4,260	7.1	0.35	25.4	1,618	7.1	0.14	25.3	1,318	7.5	0.13
8:00	24.7	768	7.4	0.05	26.1	1,175	7.3	0.03	25.9	3,470	7.1	0.36	25.6	1,291	7.8	0.14	25.8	1,294	7.5	0.13
9:00	24.6	1,523	7.5	0.05	25.7	633	7.3	0.03	25.7	3,550	7.1	0.36	25.6	1,296	7.9	0.14	30.8	1,305	7.7	0.13
10:00	24.5	1,524	7.6	0.06	27.7	1,246	7.5	0.03	28.8	3,430	7.1	0.36	27.2	1,648	7.1	0.13	30.1	1,304	7.5	0.13
11:00	25.3	1,575	7.5	0.06	27.5	1,247	7.3	0.04	29.0	5,340	7.1	0.35	27.7	1,614	7.2	0.13	31.1	1,293	7.6	0.12
12:00	25.4	1,526	7.5	0.06	26.7	1,104	7.3	0.03	28.0	3,500	7.1	0.35	28.1	1,596	7.1	0.13	26.3	1,275	7.6	0.12
13:00	26.3	1,235	7.6	0.06	27.2	1,287	7.4	0.03	28.7	6,970	7.1	0.36	28.1	1,567	7.1	0.15	27.9	1,292	7.5	0.10
14:00	26.2	1,521	7.7	0.07	27.4	1,239	7.5	0.03	28.3	3,530	7.2	0.37	27.9	1,585	7.1	0.15	29.3	1,302	7.5	0.11
15:00	25.6	1,514	7.7	0.07	26.9	1,231	7.3	0.03	27.9	3,490	7.1	0.37	26.8	1,595	7.2	0.15	26.7	1,233	7.6	0.13
16:00	24.4	1,462	7.6	0.06	24.7	1,235	7.3	0.03	24.9	3,480	7.1	0.37	26.1	1,610	7.3	0.15	25.7	1,356	7.5	0.13
17:00	24.8	1,392	7.5	0.05	25.4	1,226	7.5	0.02	24.6	3,510	7.1	0.36	26.3	1,601	7.2	0.14	25.6	1,287	7.5	0.12
18:00	24.6	1,482	7.4	0.05	24.6	1,224	7.3	0.02	24.5	3,580	7.1	0.36	26.0	1,586	7.1	0.13	25.5	1,297	7.5	0.10
19:00	24.9	1,508	7.7	0.06	24.7	1,233	7.3	0.03	24.6	3,600	7.1	0.35	26.1	1,591	7.1	0.13	25.6	1,296	7.5	0.13
20:00	24.7	821	7.4	0.07	24.6	1,229	7.3	0.03	24.7	3,520	7.1	0.35	26.6	1,592	7.1	0.14	25.7	1,298	7.5	0.12
21:00	24.4	1,511	7.5	0.07	24.3	1,228	7.3	0.03	24.5	3,610	7.1	0.35	26.5	1,599	7.2	0.14	25.4	1,293	7.5	0.13
22:00	24.2	1,506	7.6	0.07	24.6	1,228	7.3	0.03	25.1	3,710	7.1	0.36	26.5	1,622	7.2	0.14	25.8	1,295	7.5	0.13
23:00	24.3	1,507	7.5	0.07	24.7	1,301	7.1	0.03	26.1	3,720	7.1	0.36	26.4	1,612	7.2	0.14	26.1	1,300	7.5	0.14
0:00	24.2	1,515	7.4	0.07	25.1	1,302	7.2	0.04	26.2	3,900	7.1	0.36	27.0	1,621	7.2	0.15	26.3	1,298	7.5	0.14
1:00	22.9	1,518	7.5	0.07	25.5	1,291	7.2	0.04	26.4	3,810	7.2	0.34	27.1	1,620	7.2	0.15	26.2	1,304	7.5	0.14
2:00	22.7	1,516	7.4	0.07	24.9	1,304	7.2	0.04	26.1	3,950	7.2	0.34	27.1	1,623	7.2	0.15	25.3	1,303	7.6	0.14
3:00	22.8	1,509	7.4	0.07	25.3	1,302	7.2	0.04	26.6	3,890	7.2	0.35	27.5	1,599	7.2	0.15	27.1	1,315	7.6	0.13
4:00	23.6	1,517	7.0	0.07	25.9	1,292	7.3	0.04	26.8	3,910	7.2	0.35	27.7	1,618	7.2	0.14	27.6	1,312	7.6	0.13
5:00	23.7	1,495	7.0	0.07	25.6	1,301	7.3	0.04	27.1	3,960	7.2	0.36	28.0	1,588	7.1	0.14	27.2	1,318	7.6	0.13
6:00	24.1	1,502	7.2	0.06	25.5	1,306	7.3	0.03	27.6	4,150	7.3	0.37	28.1	1,620	7.2	0.13	26.7	1,298	7.3	0.13
Average	24.5	1,430	7.5	0.06	25.7	1,227	7.3	0.03	26.4	3,910	7.1	0.36	26.9	1,580	7.2	0.14	26.9	1,299	7.5	0.13

N5 PHUỐC HAI																				
Well No.	N5-DSIS14				N5-DSIS15				N5-DSIS16				N5-DSIS17				N5-DSIS19			
Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)
7:00	24.8	1,820	8.2	0.20	26.8	1,009	7.6	0.01	26.3	1,326	7.3	0.24	27.6	413	7.9	0.01	26.9	1,320	7.0	0.12
8:00	25.3	1,894	8.1	0.20	26.4	1,019	7.5	0.01	26.5	1,312	7.3	0.23	27.4	405	7.8	0.01	26.9	1,332	7.1	0.11
9:00	28.2	1,886	8.2	0.21	26.3	1,026	7.5	0.01	26.6	1,280	7.3	0.23	28.1	412	7.9	0.01	25.9	1,234	7.1	0.13
10:00	28.6	1,867	8.2	0.21	26.8	474	7.6	0.02	27.7	1,286	7.2	0.24	27.9	394	7.8	0.02	25.5	1,249	7.1	0.13
11:00	28.7	1,901	8.1	0.21	26.9	469	7.5	0.02	27.7	1,283	7.3	0.24	27.6	391	8.0	0.01	25.8	1,261	7.1	0.12
12:00	28.5	1,890	8.1	0.20	26.5	468	7.5	0.02	27.5	1,300	7.4	0.24	27.2	206	7.9	0.01	25.0	1,247	7.0	0.12
13:00	27.6	1,881	8.1	0.21	27.1	959	7.7	0.01	25.3	1,278	7.3	0.24	28.0	202	7.8	0.02	26.1	1,265	7.1	0.13
14:00	26.6	1,928	8.2	0.21	26.5	490	7.5	0.01	23.4	1,281	7.2	0.24	28.0	202	7.9	0.02	26.8	1,291	7.1	0.13
15:00	25.9	1,941	8.2	0.21	26.6	966	7.5	0.02	23.5	1,279	7.2	0.23	27.3	202	7.8	0.02	25.9	1,301	7.0	0.13
16:00	25.7	1,927	8.2	0.21	25.6	488	7.6	0.01	24.1	1,278	7.3	0.23	25.6	393	7.7	0.02	26.1	1,274	7.0	0.13
17:00	25.8	1,925	8.1	0.20	25.7	475	7.5	0.01	24.4	1,282	7.3	0.23	25.8	423	7.8	0.01	25.6	1,278	7.0	0.13
18:00	25.9	1,928	8.1	0.20	25.6	830	7.5	0.01	24.5	1,279	7.3	0.22	25.7	379	7.9	0.01	27.0	1,271	7.0	0.12
19:00	26.5	1,927	8.1	0.19	26.1	831	7.1	0.03	25.4	1,284	7.4	0.21	25.4	398	7.8	0.01	26.6	1,301	7.1	0.12
20:00	26.4	1,928	8.1	0.21	26.3	822	7.1	0.03	25.2	1,283	7.3	0.23	25.3	389	7.9	0.02	26.4	1,345	7.0	0.13
21:00	26.7	1,937	8.2	0.21	26.4	826	7.3	0.03	24.8	1,285	7.3	0.23	25.7	371	7.9	0.02	26.5	1,296	6.9	0.13
22:00	26.9	1,931	8.2	0.21	25.9	811	7.2	0.03	24.7	1,285	7.3	0.23	25.5	391	7.8	0.02	27.1	1,338	7.0	0.12
23:00	26.8	1,928	8.2	0.22	26.1	798	7.3	0.03	24.8	1,289	7.3	0.24	25.1	386	7.9	0.02	26.0	1,341	7.1	0.12
0:00	25.8	1,935	7.9	0.22	25.9	789	7.6	0.02	24.5	1,288	7.3	0.24	25.4	373	7.9	0.02	26.8	1,299	7.0	0.12
1:00	25.7	1,934	8.0	0.22	26.4	791	7.6	0.03	24.6	1,287	7.3	0.24	27.1	411	7.7	0.03	26.7	1,287	8.2	0.13
2:00	26.1	1,971	8.0	0.22	26.6	790	7.5	0.02	24.6	1,288	7.3	0.25	27.0	402	7.8	0.03	26.7	1,286	8.1	0.13
3:00	26.3	1,982	8.2	0.21	26.7	794	7.5	0.02	25.1	1,292	7.3	0.25	26.9	405	7.8	0.03	26.6	1,288	8.2	0.13
4:00	26.1	1,976	8.2	0.21	26.5	796	7.5	0.02	25.4	1,293	7.3	0.25	26.5	412	7.8	0.02	26.8	1,285	8.2	0.13
5:00	26.4	1,981	8.2	0.21	26.4	798	7.4	0.03	25.5	1,294	7.3	0.25	26.8	422	7.8	0.02	26.9	1,291	8.2	0.12
6:00	26.8	1,988	8.2	0.21	26.9	813	7.7	0.03	25.2	1,291	7.3	0.24	26.5	399	7.8	0.02	27.1	1,330	8.0	0.13
Average	26.6	1,925	8.1	0.21	26.4	764	7.5	0.02	25.3	1,288	7.3	0.24	26.6	366	7.8	0.02	26.4	1,292	7.3	0.13

N6 PHUỐC DINH																				
Well No.	N6-DSIS02				N6-DSIS04				N6-DSIS06				N6-DSIS08				N6-DSIS09			
Time	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)
7:00	25.8	5,760	7.8	0.30	26.7	1,020	8.4	0.05	26.7	1,980	7.9	0.10	26.7	6,030	7.6	0.10	28.3	2,190	7.6	0.11
8:00	26.7	6,200	7.7	0.30	25.8	1,020	8.1	0.05	26.7	1,980	7.9	0.10	26.7	6,020	7.6	0.10	28.2	2,180	7.6	0.11
9:00	26.9	5,670	7.6	0.30	26.8	1,020	8.1	0.05	26.7	1,980	7.8	0.10	26.7	6,040	7.6	0.10	28.1	2,170	7.6	0.11
10:00	27.8	5,670	7.7	0.30	28.5	1,084	8.4	0.05	27.4	1,981	7.9	0.09	26.3	5,040	7.6	0.10	27.4	2,180	7.7	0.11
11:00	28.3	6,010	7.7	0.30	28.6	1,082	8.2	0.05	28.1	1,875	8.0	0.09	26.3	6,000	7.0	0.30	26.9	2,190	7.8	0.11
12:00	27.3	5,850	7.6	0.32	27.6	1,108	8.2	0.05	28.5	1,888	7.9	0.09	26.3	6,060	7.1	0.30	27.5	2,370	8.1	0.11
13:00	28.2	5,670	7.9	0.31	28.0	1,065	8.2	0.06	28.0	1,906	7.7	0.10	28.2	6,160	7.6	0.33	27.7	2,270	8.1	0.11
14:00	28.3	5,860	7.8	0.30	28.4	1,071	8.2	0.05	28.2	1,938	8.0	0.10	27.6	6,010	7.8	0.32	27.1	2,150	7.9	0.11
15:00	27.1	5,800	7.7	0.31	27.7															

Table Results of Water Quality Measurement for Detailed Seawater Intrusion Survey (5/5)

B1 MUONG MAN																				
Well No.	B1-DSIS 02				B1-DSIS 04				B1-DSIS 05				B1-DSIS 08				B1-DSIS 09			
	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)
7:00	26.9	6,970	7.7	0.38	27.6	1,042	7.0	0.05	29.3	1,118	6.7	0.06	27.2	2,030	7.0	0.10	24.4	406	7.7	0.02
8:00	26.7	6,010	7.7	0.38	27.9	1,041	6.8	0.05	28.2	1,089	6.8	0.06	27.1	2,050	7.0	0.10	25.0	417	7.6	0.02
9:00	28.8	7,070	7.7	0.38	27.4	1,049	6.7	0.05	31.0	1,120	6.8	0.06	27.3	2,010	7.0	0.10	29.6	436	7.5	0.02
10:00	30.7	6,940	7.8	0.37	28.1	1,043	6.9	0.05	34.2	1,122	6.8	0.06	29.3	2,100	7.0	0.10	29.9	427	7.7	0.02
11:00	31.0	6,870	7.8	0.37	30.4	1,041	5.6	0.05	36.4	1,122	6.7	0.06	29.7	2,070	7.0	0.10	32.3	417	7.7	0.02
12:00	29.0	6,750	7.9	0.36	31.0	1,042	6.8	0.05	35.8	1,116	6.8	0.06	29.6	2,040	7.0	0.10	32.5	405	7.7	0.02
13:00	28.8	6,860	7.8	0.37	31.5	1,042	6.8	0.05	28.9	1,031	6.9	0.06	29.4	1,109	6.8	0.05	30.1	445	8.0	0.02
14:00	29.5	6,870	7.8	0.37	30.7	1,032	6.8	0.05	29.0	1,033	6.8	0.06	30.3	1,107	6.7	0.05	30.2	435	7.6	0.02
15:00	27.5	6,860	7.8	0.37	28.0	1,032	6.8	0.05	28.0	1,032	6.8	0.05	30.3	1,106	6.7	0.05	29.5	402	7.7	0.02
16:00	26.4	6,830	7.8	0.37	28.5	1,024	6.8	0.05	28.5	1,024	6.8	0.06	27.0	1,114	6.7	0.06	29.2	392	7.6	0.02
17:00	24.9	6,780	7.9	0.36	28.6	1,026	6.8	0.05	28.6	1,026	6.8	0.06	24.4	1,993	7.0	0.10	24.5	465	7.9	0.02
18:00	24.8	6,680	7.9	0.36	25.8	1,022	6.8	0.05	23.9	1,095	6.6	0.05	25.1	2,030	7.0	0.10	24.4	406	7.7	0.02
19:00	24.3	6,820	7.8	0.36	25.3	1,030	6.8	0.05	23.8	1,094	6.7	0.05	25.3	2,010	6.9	0.10	24.5	394	7.6	0.02
20:00	24.0	6,860	7.9	0.37	26.1	1,017	6.8	0.05	24.0	1,098	6.6	0.05	25.0	2,020	7.0	0.10	24.5	391	7.6	0.02
21:00	21.6	6,850	7.8	0.36	26.0	1,020	6.7	0.05	24.9	1,095	6.7	0.05	22.2	1,996	7.0	0.10	24.6	389	7.5	0.02
22:00	21.7	6,830	7.8	0.37	22.7	1,012	6.8	0.05	20.2	1,103	6.6	0.05	21.8	1,977	7.0	0.10	21.3	401	7.7	0.02
23:00	21.0	6,820	7.8	0.36	22.7	1,015	6.8	0.05	21.3	1,094	6.5	0.05	23.7	1,985	7.0	0.10	21.1	423	7.6	0.02
0:00	21.5	6,840	7.8	0.36	23.3	1,010	6.8	0.05	20.8	1,087	6.7	0.05	23.0	2,010	7.0	0.10	20.0	388	7.7	0.02
1:00	22.1	6,830	7.8	0.37	21.1	1,047	7.0	0.05	21.1	1,096	6.7	0.05	24.6	2,010	7.0	0.10	21.5	390	7.6	0.02
2:00	23.8	6,740	7.8	0.36	21.2	1,018	6.7	0.05	25.6	1,136	6.6	0.06	19.6	2,000	7.1	0.10	20.0	393	7.7	0.02
3:00	22.3	6,830	7.8	0.36	21.8	1,011	6.8	0.05	24.0	1,103	6.6	0.05	20.7	2,060	7.0	0.10	19.7	389	7.7	0.02
4:00	24.1	6,750	7.8	0.36	21.3	1,007	6.8	0.05	21.3	1,106	6.6	0.05	23.9	2,080	7.1	0.10	19.9	388	7.6	0.02
5:00	22.8	6,810	7.8	0.36	23.2	1,006	6.8	0.05	20.6	1,088	6.7	0.05	24.1	1,999	7.1	0.10	20.3	387	7.6	0.02
6:00	23.9	6,820	7.8	0.36	23.9	1,130	6.9	0.06	24.0	1,089	6.6	0.05	26.7	2,000	7.1	0.10	21.8	389	7.6	0.02
Average	25.3	6,804	7.8	0.37	26.0	1,032	6.8	0.05	26.4	1,088	6.7	0.05	25.7	1,871	7.0	0.09	25.0	407	7.7	0.02

B1 MUONG MAN																				
Well No.	B1-DSIS 12				B1-DSIS 14				B1-DSIS 16				B1-DSIS 18				B1-DSIS 20			
	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)	°C	EC (µ S/cm)	pH	Salinity(%)
7:00	26.6	2,580	8.6	0.07	24.8	248	7.9	0.01	26.8	815	7.1	0.04	25.3	1,465	7.0	0.07	27.9	1,266	6.6	0.06
8:00	27.3	2,343	8.6	0.07	24.7	270	7.9	0.01	26.4	814	7.1	0.04	26.5	1,455	6.9	0.07	28.7	1,257	6.6	0.06
9:00	27.8	2,570	8.6	0.13	24.8	262	7.0	0.01	29.4	823	7.1	0.04	27.5	1,455	6.9	0.07	28.8	1,269	6.7	0.06
10:00	31.7	2,600	8.6	0.13	29.0	276	6.7	0.01	30.8	851	7.1	0.04	29.4	740	7.0	0.08	29.3	1,522	6.7	0.08
11:00	31.6	2,610	8.7	0.13	30.0	259	6.6	0.01	32.1	820	7.2	0.04	29.3	735	7.0	0.08	29.8	1,399	6.7	0.07
12:00	30.8	2,470	8.6	0.12	27.0	276	6.7	0.01	32.2	832	7.2	0.04	29.2	736	7.0	0.08	29.7	1,434	6.7	0.07
13:00	30.4	2,450	8.5	0.12	28.8	255	6.5	0.01	31.6	815	7.1	0.04	29.6	1,335	7.0	0.07	30.6	1,609	6.7	0.08
14:00	30.4	1,327	8.6	0.07	29.1	267	6.6	0.01	30.1	835	7.1	0.04	29.0	1,469	7.0	0.07	30.7	1,523	6.7	0.08
15:00	29.5	1,325	8.6	0.07	29.3	269	6.6	0.01	31.0	813	7.1	0.04	28.7	1,468	7.0	0.07	29.9	1,461	6.7	0.07
16:00	28.5	2,590	8.6	0.13	26.9	276	6.6	0.01	28.9	814	7.1	0.04	27.9	1,468	6.9	0.07	25.5	1,475	6.7	0.07
17:00	24.4	2,530	8.5	0.13	23.7	258	6.4	0.01	25.3	829	7.2	0.04	27.1	1,467	6.9	0.07	24.2	1,452	6.6	0.07
18:00	23.6	2,580	8.6	0.13	23.7	231	6.6	0.01	26.1	815	7.3	0.04	28.2	1,460	6.8	0.07	23.4	1,440	6.6	0.07
19:00	24.9	2,580	8.5	0.13	24.0	253	6.5	0.01	26.2	807	7.1	0.04	27.3	1,464	6.8	0.07	23.1	1,444	6.8	0.07
20:00	24.5	2,500	8.5	0.13	23.6	257	6.6	0.01	26.0	806	7.1	0.04	26.9	1,479	6.8	0.07	23.1	1,443	6.8	0.07
21:00	23.0	2,590	8.6	0.13	21.6	253	6.6	0.01	22.7	808	7.1	0.04	22.8	1,466	6.9	0.07	21.0	1,463	6.7	0.07
22:00	22.4	2,580	8.6	0.13	21.6	257	6.5	0.01	22.6	802	7.1	0.04	24.0	1,461	6.8	0.07	21.2	1,539	6.7	0.08
23:00	22.5	2,570	8.6	0.13	22.3	257	6.6	0.01	22.5	803	7.1	0.04	24.2	1,454	6.9	0.07	20.3	1,454	6.6	0.07
0:00	22.1	2,490	8.6	0.13	24.3	253	6.6	0.01	22.9	824	7.3	0.04	25.8	1,462	6.8	0.07	19.5	1,464	6.8	0.07
1:00	24.4	2,580	8.6	0.13	25.6	273	6.8	0.01	26.2	814	7.0	0.04	21.6	1,449	6.9	0.07	19.3	1,463	6.6	0.07
2:00	20.9	2,570	8.6	0.13	20.2	253	6.6	0.01	23.2	809	7.2	0.04	21.6	1,454	6.9	0.07	22.4	1,452	6.7	0.07
3:00	20.8	2,570	8.6	0.13	20.8	251	6.6	0.01	23.6	809	7.2	0.04	23.5	1,451	6.9	0.07	23.3	1,505	6.6	0.07
4:00	21.0	2,570	8.6	0.13	23.9	316	6.6	0.02	22.9	811	7.2	0.04	23.2	1,448	6.9	0.07	23.8	1,471	6.8	0.07
5:00	21.2	2,580	8.7	0.13	21.7	275	6.7	0.01	24.0	807	7.3	0.04	24.1	1,455	6.9	0.07	24.2	1,379	6.8	0.07
6:00	24.6	2,550	8.6	0.13	24.1	252	6.7	0.01	25.1	794	7.2	0.04	26.0	1,458	6.9	0.07	24.4	1,442	6.7	0.07
Average	25.6	2,446	8.6	0.12	24.8	262	6.7	0.01	26.6	815	7.1	0.04	26.2	1,365	6.9	0.07	25.2	1,443	6.7	0.07

Table Results of Water Level Measurement for Detailed Seawater Intrusion Survey

P-4

Time	P4-DSIS01	P4-DSIS02	P4-DSIS03	P4-DSIS04	P4-DSIS05	P4-DSIS06	P4-DSIS07	P4-DSIS08	P4-DSIS09	P4-DSIS10	P4-DSIS11	P4-DSIS12	P4-DSIS13	P4-DSIS14	P4-DSIS15	P4-DSIS16	P4-DSIS17	P4-DSIS18	P4-DSIS19	P4-DSIS20
7:00	2.16	2.84	2.42	2.89	3.39	3.58	3.71	3.69	3.75	3.59	3.69	3.78	3.71	4.02	3.96	2.90	3.57	4.77	4.18	3.82
8:00	2.11	2.83	2.53	2.90	3.40	3.58	3.69	3.69	3.75	3.60	3.69	3.78	3.91	4.05	3.96	2.98	3.54	4.78	4.19	3.88
9:00	2.09	2.84	2.53	2.89	3.42	3.58	3.66	3.69	3.75	3.59	3.69	3.78	3.91	4.04	3.96	3.11	3.53	4.78	4.21	3.86
10:00	2.12	2.83	2.53	2.90	3.38	3.58	3.70	3.69	3.75	3.61	3.69	3.78	3.91	4.06	3.60	3.14	3.52	4.77	4.21	3.87
11:00	2.11	2.83	2.53	2.89	3.39	3.58	3.68	3.69	3.75	3.61	3.68	3.78	3.91	4.02	3.60	3.19	3.53	4.78	4.16	3.86
12:00	2.10	2.84	2.54	2.91	3.40	3.58	3.70	3.69	3.75	3.61	3.69	3.78	3.91	4.05	3.59	3.14	3.48	4.76	4.16	3.84
13:00	2.12	2.83	2.55	2.89	3.38	3.58	3.69	3.69	3.75	3.61	3.69	3.78	3.91	4.05	3.58	3.19	3.42	4.76	4.16	3.85
14:00	2.12	2.83	2.73	2.89	3.38	3.58	3.70	3.69	3.74	3.61	3.68	3.78	3.91	4.10	3.55	3.14	3.52	4.76	4.16	3.86
15:00	2.13	2.83	2.53	2.89	3.38	3.58	3.70	3.69	3.74	3.61	3.69	3.78	3.91	4.15	3.98	3.04	3.55	4.76	4.16	3.90
16:00	2.13	2.84	2.53	2.85	3.38	3.58	3.66	3.69	3.74	3.59	3.69	3.78	3.91	4.07	3.78	3.04	3.54	4.78	4.16	3.83
17:00	2.14	2.83	2.53	2.84	3.38	3.58	3.68	3.68	3.74	3.58	3.69	3.78	3.91	4.03	3.68	3.04	3.56	4.78	4.04	3.82
18:00	2.15	2.82	2.53	2.88	3.37	3.58	3.69	3.68	3.74	3.59	3.68	3.78	3.91	4.02	3.58	3.04	3.55	4.78	4.09	3.78
19:00	2.11	2.83	2.53	2.89	3.37	3.58	3.69	3.69	3.74	3.60	3.68	3.78	3.91	4.05	3.89	3.06	3.55	4.78	4.14	3.82
20:00	2.14	2.83	2.53	2.88	3.37	3.58	3.69	3.66	3.74	3.60	3.68	3.78	3.91	4.07	3.90	3.06	3.53	4.78	4.14	3.84
21:00	2.13	2.83	2.53	2.88	3.37	3.58	3.68	3.67	3.74	3.60	3.68	3.78	3.91	4.06	3.91	3.02	3.53	4.78	4.12	3.87
22:00	2.15	2.82	2.53	2.88	3.38	3.58	3.68	3.67	3.74	3.60	3.68	3.78	3.91	4.07	3.91	3.02	3.53	4.78	4.12	3.88
23:00	2.12	2.84	2.53	2.88	3.38	3.58	3.69	3.67	3.73	3.60	3.68	3.77	3.91	4.07	3.36	3.04	3.54	4.78	4.14	3.88
0:00	2.17	2.83	2.53	2.87	3.38	3.58	3.68	3.67	3.74	3.60	3.68	3.77	3.91	4.07	3.27	3.01	3.53	4.78	4.14	3.88
1:00	2.18	2.83	2.53	2.88	3.38	3.58	3.68	3.67	3.74	3.60	3.68	3.77	3.89	4.07	3.34	3.04	3.52	4.78	4.20	3.88
2:00	2.16	2.83	2.53	2.85	3.38	3.58	3.69	3.67	3.74	3.60	3.68	3.77	3.87	4.07	3.24	3.04	3.48	4.78	4.20	3.86
3:00	2.19	2.83	2.53	2.86	3.69	3.58	3.66	3.66	3.73	3.60	3.67	3.77	3.86	4.07	3.43	3.04	3.47	4.78	4.20	3.86
4:00	2.19	2.82	2.53	2.86	3.69	3.58	3.66	3.66	3.73	3.60	3.67	3.77	3.85	4.08	3.28	3.04	3.62	4.78	4.20	3.88
5:00	2.20	2.83	2.53	2.86	3.68	3.58	3.65	3.67	3.73	3.59	3.66	3.77	3.81	4.08	3.40	3.04	3.60	4.78	4.21	3.86
6:00	2.19	2.82	2.53	2.86	3.67	3.58	3.65	3.66	3.73	3.58	3.66	3.77	3.71	4.08	3.40	3.04	3.58	4.78	4.21	3.85
Ave.	2.14	2.83	2.53	2.88	3.43	3.58	3.68	3.68	3.74	3.60	3.68	3.78	3.89	4.06	3.64	3.06	3.53	4.77	4.17	3.86

K-3

Time	K3-DSIS01	K3-DSIS02	K3-DSIS03	K3-DSIS04	K3-DSIS05	K3-DSIS06	K3-DSIS07	K3-DSIS08	K3-DSIS09	K3-DSIS10	K3-DSIS11	K3-DSIS12	K3-DSIS13	K3-DSIS14	K3-DSIS15	K3-DSIS16	K3-DSIS17	K3-DSIS18	K3-DSIS19	K3-DSIS20
7:00	0.41	3.83	10.78	16.79	18.26	22.68	21.15	22.04	25.64	27.09	18.91	0.36	1.07	-0.05	0.73	1.33	3.36	0.29	6.75	5.41
8:00	0.31	3.93	10.78	16.86	18.29	22.68	21.14	22.04	25.63	27.08	19.93	0.35	1.07	-0.06	0.71	1.29	3.19	0.29	6.75	5.41
9:00	0.31	4.03	10.78	16.83	18.27	22.68	21.14	22.04	25.62	27.09	19.95	0.34	1.07	-0.06	0.72	1.30	3.19	0.28	6.75	5.41
10:00	0.32	4.17	10.78	16.82	18.27	22.78	21.12	21.46	25.57	27.08	19.94	0.34	1.07	-0.08	0.72	1.31	3.16	0.26	6.75	5.40
11:00	0.32	4.30	10.78	16.82	18.27	22.88	21.13	21.57	24.74	27.09	19.94	0.34	1.08	-0.08	0.72	1.31	3.19	0.22	6.75	5.41
12:00	0.32	4.43	10.79	16.82	18.28	22.78	21.14	21.65	24.63	27.10	19.94	0.33	1.08	-0.07	0.72	1.31	3.19	0.21	6.75	5.41
13:00	0.41	4.52	10.80	16.82	18.28	22.78	21.13	21.72	24.61	27.09	19.94	0.34	1.08	-0.08	0.64	1.31	3.19	0.26	6.75	5.41
14:00	0.41	4.62	10.80	16.82	18.25	22.78	21.15	21.78	24.74	27.09	19.94	0.34	1.08	-0.09	0.67	1.31	3.19	0.26	6.75	5.41
15:00	0.41	4.72	10.81	16.82	18.27	22.78	21.14	21.81	24.04	27.10	19.94	0.33	1.07	-0.09	0.67	1.30	3.19	0.26	6.75	5.41
16:00	0.41	4.79	10.82	16.84	18.29	22.78	21.14	21.85	24.03	27.10	19.92	0.33	1.07	-0.11	0.62	1.31	3.08	0.26	6.75	5.41
17:00	0.41	4.88	10.82	16.84	18.25	22.78	21.15	21.88	24.62	27.10	19.93	0.34	1.07	-0.14	0.64	1.30	3.15	0.26	6.75	5.42
18:00	0.41	4.95	10.82	16.83	18.24	22.78	21.13	21.89	24.69	27.08	19.93	0.32	1.07	-0.13	0.71	1.30	3.15	0.25	6.45	5.41
19:00	0.31	5.03	10.82	16.80	18.25	22.78	21.14	21.94	24.66	27.09	19.93	0.33	1.07	-0.11	0.72	1.29	3.15	0.25	6.57	5.41
20:00	0.31	5.11	10.82	16.81	18.24	22.73	21.14	21.94	24.62	27.10	19.93	0.33	1.07	-0.10	0.72	1.29	3.17	0.25	6.71	5.40
21:00	0.31	5.17	10.82	16.80	18.24	22.73	21.14	21.96	24.57	27.10	19.93	0.33	1.07	-0.08	0.72	1.29	3.18	0.26	6.73	5.39
22:00	0.31	5.24	10.82	16.80	18.24	22.73	21.14	21.99	24.84	27.10	19.94	0.34	1.07	-0.08	0.73	1.29	3.18	0.26	6.74	5.40
23:00	0.32	5.29	10.82	16.80	18.23	22.73	21.14	22.00	24.87	27.10	19.94	0.34	1.07	-0.08	0.73	1.29	3.19	0.26	6.74	5.41
0:00	0.41	5.35	10.81	16.80	18.23	22.73	21.15	22.01	24.89	27.10	19.93	0.33	1.07	-0.08	0.73	1.29	3.19	0.26	6.74	5.41
1:00	0.41	5.40	10.81	16.80	18.23	22.73	21.15	22.01	24.89	27.10	19.93	0.33	1.07	-0.08	0.73	1.30	3.19	0.26	6.74	5.41
2:00	0.41	5.44	10.81	16.79	18.22	22.73	21.15	22.01	24.95	27.09	19.94	0.32	1.06	-0.09	0.73	1.30	3.19	0.26	6.74	5.41
3:00	0.41	5.48	10.81	16.79	18.22	22.73	21.14	22.03	24.89	27.10	19.94	0.32	1.06	-0.08	0.73	1.31	3.19	0.26	6.74	5.41
4:00	0.41	5.51	10.81	16.79	18.20	22.73	21.15	22.04	24.85	27.11	19.93	0.32	1.06	-0.08	0.73	1.31	3.19	0.26	6.74	5.41
5:00	0.41	5.55	10.80	16.79	18.20	22.73	21.16	22.05	24.83	27.10	19.94	0.33	1.06	-0.08	0.73	1.31	3.19	0.26	6.74	5.41
6:00	0.41	5.58	10.79	16.79	18.20	22.73	21.16	22.06	24.83	27.10	19.94	0.35	1.06	-0.09	0.70	1.32	3.19	0.26	6.74	5.41
Ave.	0.37	4.89	10.80	16.81	18.25	22.75	21.14	21.91	24.84	27.10	19.90	0.34	1.07	-0.08	0.71	1.30	3.19	0.26	6.73	5.41

Table Results of Water Level Measurement for Detailed Seawater Intrusion Survey

N-1

Time	N1-DSIS01	N1-DSIS02	N1-DSIS03	N1-DSIS04	N1-DSIS05	N1-DSIS06	N1-DSIS07	N1-DSIS08	N1-DSIS09	N1-DSIS10	N1-DSIS11	N1-DSIS12	N1-DSIS13	N1-DSIS14	N1-DSIS15	N1-DSIS16	N1-DSIS17	N1-DSIS18	N1-DSIS19	N1-DSIS20
7:00	2.21	2.19	2.65	2.65	2.53	2.39	1.32	0.14	2.58	2.48	2.62	1.73	3.25	4.09	6.14	5.18	9.06	10.39	3.46	4.62
8:00	2.21	2.19	2.75	2.68	2.54	2.38	1.32	0.14	2.58	2.49	2.62	1.62	3.25	4.09	6.13	5.17	9.09	10.40	3.46	4.62
9:00	2.21	2.19	2.72	2.68	2.52	2.37	1.32	0.04	2.58	2.48	2.62	1.65	3.24	4.09	6.12	5.17	8.94	10.43	3.46	4.63
10:00	2.20	2.19	2.71	2.69	2.51	2.38	1.32	-0.06	2.57	2.49	2.62	1.69	3.24	4.09	6.10	5.17	8.93	10.50	3.46	4.63
11:00	2.20	2.22	2.70	2.67	2.53	2.37	1.32	-0.17	2.58	2.48	2.62	1.74	3.24	4.10	6.09	5.17	8.87	10.52	3.46	4.62
12:00	2.20	2.23	2.70	2.68	2.51	2.37	1.32	-0.21	2.59	2.47	2.62	1.81	3.24	4.10	6.09	5.17	8.86	10.51	3.46	4.62
13:00	2.21	2.23	2.66	2.66	2.53	2.37	1.32	-0.24	2.59	2.47	2.62	1.84	3.24	4.09	6.12	5.19	8.86	11.06	3.46	4.62
14:00	2.21	2.22	2.70	2.66	2.54	2.33	1.32	-0.26	2.58	2.48	2.62	1.88	3.24	4.09	6.12	5.19	8.86	11.00	3.46	4.62
15:00	2.21	2.19	2.71	2.66	2.53	2.32	1.32	-0.21	2.55	2.47	2.62	1.92	3.25	4.10	6.10	5.19	8.74	10.26	3.46	4.62
16:00	2.21	2.19	2.70	2.67	2.54	2.32	1.32	-0.19	2.55	2.48	2.62	1.96	3.25	4.10	6.10	5.19	8.80	10.15	3.46	4.62
17:00	2.20	2.19	2.68	2.67	2.53	2.33	1.32	-0.19	2.54	2.48	2.62	2.00	3.25	4.10	6.10	5.19	8.66	9.79	3.46	4.62
18:00	2.20	2.19	2.67	2.67	2.51	2.32	1.07	-0.23	2.59	2.42	2.60	1.95	3.24	4.10	6.12	5.19	7.64	9.78	3.46	4.62
19:00	2.20	2.19	2.69	2.68	2.53	2.32	1.19	-0.28	2.58	2.46	2.62	1.95	3.24	4.09	6.12	5.19	7.86	9.84	3.46	4.61
20:00	2.20	2.19	2.68	2.68	2.53	2.34	1.24	-0.31	2.57	2.48	2.62	2.00	3.24	4.09	6.12	5.19	8.19	9.92	3.46	4.62
21:00	2.20	2.19	2.68	2.67	2.55	2.34	1.26	-0.40	2.57	2.46	2.62	2.00	3.24	4.10	6.12	5.19	8.29	9.99	3.46	4.62
22:00	2.20	2.23	2.69	2.67	2.52	2.34	1.27	-0.43	2.59	2.47	2.62	2.06	3.23	4.09	6.12	5.19	8.39	10.02	3.46	4.62
23:00	2.20	2.24	2.69	2.68	2.50	2.34	1.28	-0.31	2.59	2.47	2.62	2.10	3.24	4.08	6.12	5.19	8.56	10.06	3.46	4.62
0:00	2.20	2.23	2.71	2.67	2.55	2.34	1.29	-0.26	2.59	2.47	2.62	2.10	3.24	4.08	6.12	5.19	8.61	10.20	3.46	4.62
1:00	2.20	2.21	2.69	2.69	2.56	2.34	1.30	-0.24	2.59	2.47	2.62	2.10	3.24	4.08	6.12	5.19	8.86	10.22	3.46	4.63
2:00	2.20	2.21	2.70	2.67	2.57	2.35	1.31	-0.21	2.59	2.49	2.62	2.19	3.25	4.09	6.12	5.18	8.93	10.23	3.46	4.64
3:00	2.20	2.19	2.71	2.67	2.57	2.35	1.32	-0.13	2.59	2.44	2.62	2.22	3.25	4.10	6.12	5.18	9.01	10.25	3.46	4.62
4:00	2.20	2.19	2.72	2.66	2.57	2.35	1.32	-0.10	2.60	2.43	2.62	2.23	3.25	4.10	6.12	5.18	9.16	10.26	3.46	4.62
5:00	2.20	2.19	2.69	2.66	2.57	2.35	1.32	-0.07	2.60	2.42	2.62	2.24	3.25	4.10	6.13	5.18	9.21	10.39	3.46	4.62
6:00	2.20	2.19	2.64	2.65	2.53	2.35	1.32	-0.05	2.60	2.47	2.62	2.25	3.25	4.10	6.13	5.18	9.28	10.33	3.46	4.62
Ave.	2.20	2.20	2.69	2.67	2.54	2.35	1.29	-0.18	2.58	2.47	2.62	1.97	3.24	4.09	6.12	5.22	8.74	10.27	3.46	4.62

N-2

Time	N1-DSIS01	N1-DSIS02	N1-DSIS03	N1-DSIS04	N1-DSIS05	N1-DSIS06	N1-DSIS07	N1-DSIS08	N1-DSIS09	N1-DSIS10	N1-DSIS11	N1-DSIS12	N1-DSIS13	N1-DSIS14	N1-DSIS15	N2-DSIS16	N2-DSIS17	N2-DSIS18	N2-DSIS19	N2-DSIS20
7:00	2.21	2.19	2.65	2.65	2.53	2.39	1.32	0.14	2.58	2.48	2.62	1.73	3.25	4.09	6.14	12.10	12.04	12.73	13.68	13.72
8:00	2.21	2.19	2.75	2.68	2.54	2.38	1.32	0.14	2.58	2.49	2.62	1.62	3.25	4.09	6.13	12.08	12.19	12.73	13.69	13.72
9:00	2.21	2.19	2.72	2.68	2.52	2.37	1.32	0.04	2.58	2.48	2.62	1.65	3.24	4.09	6.12	12.11	12.24	12.73	13.68	13.72
10:00	2.20	2.19	2.71	2.69	2.51	2.38	1.32	-0.06	2.57	2.49	2.62	1.69	3.24	4.09	6.10	12.09	12.34	12.73	13.69	13.73
11:00	2.20	2.22	2.70	2.67	2.53	2.37	1.32	-0.17	2.58	2.48	2.62	1.74	3.24	4.10	6.09	12.07	12.34	12.73	13.69	13.73
12:00	2.20	2.23	2.70	2.68	2.51	2.37	1.32	-0.21	2.59	2.47	2.62	1.81	3.24	4.10	6.09	12.10	12.34	12.75	13.70	13.73
13:00	2.21	2.23	2.66	2.66	2.53	2.37	1.32	-0.24	2.59	2.47	2.62	1.84	3.24	4.09	6.12	12.11	12.34	12.76	13.69	13.73
14:00	2.21	2.22	2.70	2.66	2.54	2.33	1.32	-0.26	2.58	2.48	2.62	1.88	3.24	4.09	6.12	12.07	12.29	12.74	13.68	13.82
15:00	2.21	2.19	2.71	2.66	2.53	2.32	1.32	-0.21	2.55	2.47	2.62	1.92	3.25	4.10	6.10	12.08	12.44	12.73	13.68	13.82
16:00	2.21	2.19	2.70	2.67	2.54	2.32	1.32	-0.19	2.55	2.48	2.62	1.96	3.25	4.10	6.10	12.09	12.49	12.72	13.68	13.82
17:00	2.20	2.19	2.68	2.67	2.53	2.33	1.32	-0.19	2.54	2.48	2.62	2.00	3.25	4.10	6.10	12.07	12.59	12.73	13.68	13.82
18:00	2.20	2.19	2.67	2.67	2.51	2.32	1.07	-0.23	2.59	2.42	2.60	1.95	3.24	4.10	6.12	12.08	12.64	12.73	13.70	13.82
19:00	2.20	2.19	2.69	2.68	2.53	2.32	1.19	-0.28	2.58	2.46	2.62	1.95	3.24	4.09	6.12	12.06	12.64	12.72	13.69	13.82
20:00	2.20	2.19	2.68	2.68	2.53	2.34	1.24	-0.31	2.57	2.48	2.62	2.00	3.24	4.09	6.12	12.06	12.24	12.73	13.69	13.82
21:00	2.20	2.19	2.68	2.67	2.55	2.34	1.26	-0.40	2.57	2.46	2.62	2.00	3.24	4.10	6.12	12.08	12.34	12.72	13.68	13.83
22:00	2.20	2.23	2.69	2.67	2.52	2.34	1.27	-0.43	2.59	2.47	2.62	2.06	3.23	4.09	6.12	12.08	12.04	12.72	13.68	13.83
23:00	2.20	2.24	2.69	2.68	2.50	2.34	1.28	-0.31	2.59	2.47	2.62	2.10	3.24	4.08	6.12	12.08	11.99	12.72	13.68	13.83
0:00	2.20	2.23	2.71	2.67	2.55	2.34	1.29	-0.26	2.59	2.47	2.62	2.10	3.24	4.08	6.12	12.08	11.99	12.72	13.68	13.83
1:00	2.20	2.21	2.69	2.69	2.56	2.34	1.30	-0.24	2.59	2.47	2.62	2.10	3.24	4.08	6.12	12.08	11.99	12.72	13.68	13.83
2:00	2.20	2.21	2.70	2.67	2.57	2.35	1.31	-0.21	2.59	2.49	2.62	2.19	3.25	4.09	6.12	12.05	11.99	12.72	13.68	13.83
3:00	2.20	2.19	2.71	2.67	2.57	2.35	1.32	-0.13	2.59	2.44	2.62	2.22	3.25	4.10	6.12	12.06	11.99	12.72	13.68	13.83
4:00	2.20	2.19	2.72	2.66	2.57	2.35	1.32	-0.10	2.60	2.43	2.62	2.23	3.25	4.10	6.12	12.05	11.99	12.73	13.68	13.92
5:00	2.20	2.19	2.69	2.66	2.57	2.35	1.32	-0.07	2.60	2.42	2.62	2.24	3.25	4.10	6.13	12.06	11.99	12.72	13.68	13.92
6:00	2.20	2.19	2.64	2.65	2.53	2.35	1.32	-0.05	2.60	2.47	2.62	2.25	3.25	4.10	6.13	12.09	11.99	12.73	13.68	13.92
Ave.	2.20	2.20	2.69	2.67	2.54	2.35	1.29	-0.18	2.58	2.47	2.62	1.97	3.24	4.09	6.12	12.08	12.22	12.72	13.69	13.81

Table Results of Water Level Measurement for Detailed Seawater Intrusion Survey

N-3

Time	N3-DSIS01	N3-DSIS02	N3-DSIS03	N3-DSIS04	N3-DSIS05	N3-DSIS06	N3-DSIS07	N3-DSIS08	N3-DSIS09	N3-DSIS10	N3-DSIS11	N3-DSIS12	N3-DSIS13	N3-DSIS14	N3-DSIS15	N3-DSIS16	N3-DSIS17	N3-DSIS18	N3-DSIS19	N3-DSIS20
7:00	9.11	11.25	10.12	8.09	11.48	11.45	11.17	9.80	13.41	11.52	20.81	17.89	17.31	19.28	11.35	10.80	7.72	9.28	9.54	11.79
8:00	9.11	11.25	10.12	8.08	11.48	11.61	11.17	9.79	13.40	11.51	20.79	17.89	17.31	19.28	11.36	10.80	7.72	9.26	9.54	11.79
9:00	9.11	11.25	10.12	8.05	11.48	11.59	11.18	9.77	13.38	11.41	20.79	17.89	17.22	19.28	11.36	10.80	7.72	9.24	9.54	11.80
10:00	9.11	11.25	10.12	8.08	11.48	11.55	11.18	9.75	13.34	11.50	20.78	17.86	17.21	19.03	11.25	10.80	7.72	9.22	9.54	11.87
11:00	9.12	11.24	10.12	8.07	11.57	11.48	11.18	9.72	13.39	11.49	20.45	17.89	17.30	19.13	11.29	10.80	7.72	9.23	9.64	11.72
12:00	9.12	11.24	10.12	7.93	11.57	11.42	11.18	9.64	13.43	11.51	20.78	17.89	17.33	19.18	11.30	10.79	7.72	9.22	9.64	11.69
13:00	9.13	11.24	10.12	7.89	11.58	11.41	11.19	9.62	13.45	11.51	20.80	17.91	17.36	19.20	11.32	10.81	7.72	9.21	9.64	11.68
14:00	9.12	11.23	10.12	7.94	11.58	11.36	11.16	9.66	13.47	11.51	20.80	17.91	17.30	19.24	11.32	10.80	7.72	9.22	9.64	11.69
15:00	9.12	11.23	10.13	7.86	11.58	11.38	11.16	9.68	13.49	11.50	20.79	17.92	17.30	19.24	11.32	10.81	7.72	9.24	9.64	11.69
16:00	9.13	11.22	10.13	7.88	11.28	11.41	11.16	9.70	13.50	11.50	20.79	17.91	17.30	19.28	11.33	10.81	7.82	9.25	9.64	11.69
17:00	9.14	11.23	10.12	7.89	11.28	11.42	11.16	9.69	13.74	11.50	20.78	17.91	17.29	19.26	11.31	10.81	7.82	9.26	9.64	11.68
18:00	9.14	11.23	10.12	7.84	11.28	11.41	11.08	9.72	13.74	11.47	20.78	17.91	17.27	19.24	11.31	10.81	7.82	9.27	9.64	11.67
19:00	9.14	11.23	10.13	7.85	11.37	11.44	11.08	9.71	13.74	11.49	20.77	17.85	17.29	19.14	11.30	10.80	7.82	9.28	9.64	11.70
20:00	9.14	11.21	10.13	7.83	11.28	11.45	11.08	9.70	13.74	11.50	20.77	17.88	17.33	19.18	11.32	10.80	7.87	9.28	9.64	11.69
21:00	9.14	11.21	10.12	7.85	11.28	11.48	11.08	9.73	13.74	11.50	20.77	17.90	17.37	19.30	11.33	10.80	7.89	9.28	9.64	11.72
22:00	9.14	11.21	10.12	7.86	11.28	11.51	11.08	9.75	13.74	11.50	20.80	17.91	17.39	19.28	11.33	10.80	7.89	9.28	9.64	11.73
23:00	9.13	11.21	10.12	7.87	11.38	11.51	11.08	9.76	13.77	11.51	20.79	17.91	17.31	19.24	11.32	10.80	7.88	9.28	9.64	11.74
0:00	9.12	11.23	10.12	7.99	11.38	11.54	11.08	9.74	13.77	11.51	20.79	17.92	17.31	19.26	11.31	10.80	7.84	9.28	9.64	11.75
1:00	9.12	11.21	10.12	7.90	11.47	11.53	11.08	9.75	13.79	11.51	20.80	17.93	17.30	19.26	11.30	10.80	7.81	9.28	9.64	11.75
2:00	9.13	11.20	10.12	7.92	11.47	11.58	11.08	9.77	13.82	11.52	20.79	17.93	17.33	19.26	11.32	10.80	7.82	9.28	9.64	11.78
3:00	9.13	11.20	10.12	7.94	11.48	11.57	11.08	9.79	13.75	11.52	20.79	17.94	17.36	19.26	11.32	10.80	7.77	9.28	9.54	11.78
4:00	9.13	11.21	10.12	7.95	11.48	11.58	11.08	9.79	13.68	11.52	20.79	17.94	17.39	19.26	11.33	10.80	7.76	9.29	9.54	11.79
5:00	9.14	11.21	10.12	7.96	11.47	11.67	11.08	9.81	13.65	11.52	20.79	17.94	17.38	19.26	11.35	10.80	7.74	9.30	9.54	11.79
6:00	9.14	11.20	10.12	7.98	11.47	11.39	11.08	9.82	13.51	11.52	20.80	17.93	17.33	19.27	11.36	10.80	7.72	9.31	9.54	11.77
Ave.	9.13	11.22	10.12	7.94	11.44	11.49	11.13	9.74	13.60	11.51	20.78	17.91	17.32	19.24	11.32	10.80	7.78	9.26	9.61	11.74

N-4

Time	N4-DSIS01	N4-DSIS02	N4-DSIS03	N4-DSIS04	N4-DSIS05	N4-DSIS06	N4-DSIS07	N4-DSIS08	N4-DSIS09	N4-DSIS10	N4-DSIS11	N4-DSIS12	N4-DSIS13	N4-DSIS14	N4-DSIS15	N4-DSIS16	N4-DSIS17	N4-DSIS18	N4-DSIS19	N4-DSIS20
7:00	7.06	8.79	9.17	7.65	8.55	10.37	10.24	11.03	13.81	17.58	22.61	19.25	22.68	29.11	29.67	30.39	27.38	29.27	7.32	8.60
8:00	7.06	8.68	9.19	7.66	8.63	10.37	10.24	11.09	13.87	17.50	22.32	19.28	22.68	29.09	29.61	30.38	27.38	29.28	7.32	8.59
9:00	7.06	8.56	9.19	7.67	8.59	10.37	10.24	11.03	13.88	17.54	21.99	19.29	22.68	29.07	29.62	30.38	27.36	29.36	7.32	8.60
10:00	7.06	8.56	9.20	7.67	8.52	10.37	10.25	11.02	13.87	17.52	21.60	19.31	22.68	29.06	29.62	30.38	27.36	29.36	7.32	8.60
11:00	7.06	8.58	9.20	7.67	8.49	10.37	10.22	11.02	13.87	17.54	22.05	19.31	22.80	29.05	29.62	30.37	27.35	29.36	7.32	8.60
12:00	7.06	8.56	9.20	7.67	8.54	10.37	10.22	11.01	13.86	17.54	21.68	19.31	22.80	29.05	29.61	30.37	27.35	29.25	7.31	8.60
13:00	7.06	8.55	9.20	7.66	8.25	10.37	10.23	11.01	13.86	17.53	21.79	19.26	22.70	29.05	29.61	30.37	27.34	29.25	7.33	8.60
14:00	7.06	8.53	9.21	7.66	8.41	10.37	10.31	11.02	13.87	17.53	21.85	19.28	22.70	29.04	29.61	30.37	27.34	29.25	7.28	8.60
15:00	7.07	8.53	9.21	7.65	8.50	10.37	10.22	11.02	13.87	17.53	21.50	19.29	22.68	29.06	29.60	30.37	27.35	29.23	7.33	8.61
16:00	7.07	8.54	9.22	7.66	8.35	10.37	10.22	11.02	13.87	17.53	21.82	19.28	22.62	29.06	29.63	30.37	27.34	29.24	7.28	8.61
17:00	7.06	8.51	9.22	7.67	8.55	10.37	10.22	11.00	13.86	17.53	21.89	19.28	22.62	29.05	29.59	30.36	27.36	29.23	7.28	8.62
18:00	7.06	8.51	9.22	7.67	8.50	10.37	10.24	11.02	13.86	17.47	22.00	19.27	22.65	29.05	29.59	30.35	27.36	29.23	7.28	8.59
19:00	7.05	8.51	9.22	7.66	8.55	10.37	10.24	11.02	13.85	17.53	22.08	19.28	22.64	29.05	29.59	30.35	27.34	29.22	7.31	8.59
20:00	7.06	8.51	9.22	7.64	8.64	10.37	10.23	11.02	13.85	17.54	22.15	19.30	22.63	29.04	29.59	30.35	27.34	29.24	7.31	8.59
21:00	7.06	8.51	9.22	7.64	8.66	10.37	10.22	11.01	13.85	17.55	22.21	19.30	22.62	29.04	29.59	30.34	27.34	29.24	7.30	8.60
22:00	7.06	8.51	9.22	7.66	8.67	10.37	10.22	11.01	13.87	17.53	22.26	19.31	22.60	29.03	29.59	30.34	27.34	29.23	7.30	8.60
23:00	7.06	8.50	9.22	7.66	8.67	10.37	10.22	11.00	13.87	17.53	22.30	19.31	22.61	29.03	29.57	30.34	27.34	29.23	7.29	8.60
0:00	7.06	8.50	9.22	7.67	8.68	10.37	10.22	11.00	13.87	17.53	22.35	19.32	22.63	29.03	29.57	30.29	27.34	29.21	7.27	8.60
1:00	7.06	8.49	9.22	7.68	8.67	10.37	10.22	11.01	13.87	17.53	22.40	19.32	22.65	29.03	29.57	30.29	27.34	29.21	7.27	8.60
2:00	7.06	8.48	9.22	7.68	8.66	10.37	10.22	11.02	13.87	17.53	22.45	19.32	22.63	29.03	29.57	30.28	27.34	29.21	7.27	8.59
3:00	7.06	8.48	9.23	7.68	8.58	10.37	10.22	11.02	13.87	17.53	22.50	19.33	22.63	29.03	29.55	30.26	27.34	29.20	7.28	8.59
4:00	7.06	8.47	9.23	7.68	8.53	10.37	10.22	11.03	13.86	17.53	22.55	19.33	22.63	29.03	29.55	30.26	27.33	29.20	7.28	8.59
5:00	7.06	8.47	9.23	7.67	8.62	10.37	10.22	11.01	13.85	17.54	22.59	19.32	22.56	29.03	29.57	30.26	27.33	29.20	7.27	8.60
6:00	7.06	8.46	9.23	7.67	8.63	10.37	10.22	11.03	13.85	17.54	22.61	19.31	22.62	29.03	29.57	30.26	27.33	29.20	7.31	8.59
Ave.	7.06	8.53	9.21	7.67	8.56	10.37	10.23	11.01	13.86	17.53	22.15	19.30	22.65	29.05	29.59	30.34	27.35	29.24	7.30	8.60

Table Results of Water Level Measurement for Detailed Seawater Intrusion Survey

N-5

Time	N5-DSIS01	N5-DSIS02	N5-DSIS03	N5-DSIS04	N5-DSIS05	N5-DSIS06	N5-DSIS07	N5-DSIS08	N5-DSIS09	N5-DSIS10	N5-DSIS11	N5-DSIS12	N5-DSIS13	N5-DSIS14	N5-DSIS15	N5-DSIS16	N5-DSIS17	N5-DSIS18	N5-DSIS19	N5-DSIS20
7:00	4.91	4.94	4.66	4.53	5.30	5.44	5.51	5.47	5.68	5.79	6.32	6.35	7.41	5.92	4.68	5.39	5.81	4.32	9.07	7.99
8:00	4.92	4.94	4.65	4.53	5.18	5.24	5.50	5.47	5.68	5.73	6.24	6.37	7.41	5.95	4.67	5.29	5.81	4.66	9.07	7.89
9:00	4.93	4.93	4.66	4.53	5.19	5.34	5.42	5.46	5.79	5.74	6.30	6.37	7.41	5.97	4.61	4.99	5.81	4.76	9.06	8.09
10:00	4.93	4.93	4.66	4.53	5.19	5.43	5.52	5.42	5.88	5.75	6.27	6.35	7.41	5.99	4.64	4.99	5.81	4.66	9.05	8.09
11:00	4.92	4.92	4.64	4.53	5.28	5.44	5.49	5.44	5.88	5.76	6.26	6.39	7.41	6.01	4.63	5.09	5.81	4.86	9.05	8.09
12:00	4.92	4.92	4.66	4.53	5.30	5.44	5.51	5.42	5.78	5.77	6.29	6.38	7.41	6.02	4.64	5.14	5.81	4.66	9.05	8.09
13:00	4.93	4.92	4.67	4.53	5.27	5.44	5.43	5.46	5.68	5.77	6.31	6.38	7.41	6.03	4.66	5.09	5.81	5.06	9.06	8.09
14:00	4.94	4.93	4.67	4.53	5.19	5.44	5.49	5.43	5.69	5.78	6.31	6.38	7.41	6.04	4.66	5.04	5.81	4.96	9.05	8.04
15:00	4.95	4.93	4.67	4.54	5.31	5.44	5.48	5.41	5.68	5.79	6.31	6.39	7.41	6.05	4.66	4.99	5.81	4.76	9.08	7.94
16:00	4.95	4.94	4.68	4.54	5.30	5.04	5.50	5.45	5.88	5.80	6.31	6.39	7.41	6.06	4.66	4.94	5.81	4.76	9.05	8.04
17:00	4.96	4.93	4.67	4.53	5.30	5.14	5.49	5.46	5.79	5.79	6.31	6.37	7.41	6.08	4.66	5.34	5.72	4.66	9.05	8.09
18:00	4.91	4.94	4.66	4.52	5.26	5.34	5.50	5.40	5.88	5.77	6.30	6.37	7.41	6.11	4.66	5.35	5.71	4.56	9.05	8.09
19:00	4.94	4.94	4.66	4.52	5.18	5.34	5.46	5.43	5.78	5.72	6.31	6.37	7.41	6.12	4.66	5.32	5.79	4.46	9.05	8.09
20:00	4.94	4.94	4.66	4.49	5.24	5.43	5.49	5.45	5.79	5.69	6.28	6.42	7.41	6.13	4.64	5.35	5.79	4.26	9.05	8.14
21:00	4.94	4.94	4.66	4.52	5.22	5.43	5.51	5.45	5.79	5.72	6.30	6.39	7.41	6.14	4.65	5.33	5.79	4.76	9.06	8.18
22:00	4.93	4.94	4.65	4.52	5.27	5.43	5.50	5.45	5.88	5.73	6.30	6.38	7.41	6.16	4.66	5.32	5.80	4.86	9.06	8.17
23:00	4.93	4.93	4.65	4.52	5.29	5.44	5.50	5.45	5.89	5.74	6.32	6.38	7.41	6.18	4.66	5.31	5.79	4.96	9.06	8.16
0:00	4.93	4.93	4.66	4.52	5.32	5.44	5.50	5.46	5.89	5.74	6.31	6.37	7.41	6.21	4.66	5.29	5.79	4.96	9.06	8.16
1:00	4.93	4.92	4.66	4.52	5.32	5.44	5.51	5.46	5.89	5.75	6.31	6.37	7.41	6.23	4.66	5.28	5.80	4.96	9.08	8.16
2:00	4.94	4.92	4.66	4.52	5.31	5.44	5.51	5.46	5.89	5.76	6.31	6.37	7.41	6.26	4.66	5.28	5.80	4.96	9.08	8.16
3:00	4.94	4.91	4.67	4.52	5.31	5.44	5.50	5.46	5.98	5.77	6.32	6.37	7.41	6.28	4.66	5.27	5.80	4.96	9.08	8.18
4:00	4.94	4.89	4.66	4.52	5.31	5.44	5.51	5.46	5.98	5.78	6.31	6.37	7.41	6.31	4.67	5.24	5.80	4.66	9.08	8.18
5:00	4.76	4.90	4.67	4.52	5.32	5.44	5.52	5.46	5.98	5.78	6.31	6.37	7.41	6.33	4.67	5.28	5.80	4.66	9.07	8.18
6:00	4.78	4.90	4.66	4.52	5.13	5.44	5.51	5.45	5.88	5.79	6.31	6.38	7.41	6.34	4.68	5.40	5.81	4.76	9.07	8.06
Ave.	4.92	4.93	4.66	4.53	5.26	5.39	5.50	5.44	5.83	5.75	6.30	6.38	7.41	6.12	4.66	5.22	5.80	4.74	9.06	8.10

N-6

Time	N6-DSIS01	N6-DSIS02	N6-DSIS03	N6-DSIS04	N6-DSIS05	N6-DSIS06	N6-DSIS07	N6-DSIS08	N6-DSIS09	N6-DSIS10	N6-DSIS11	N6-DSIS12	N6-DSIS13	N6-DSIS14	N6-DSIS15	N6-DSIS16	N6-DSIS17	N6-DSIS18	N6-DSIS19	N6-DSIS20
7:00	2.06	2.30	2.07	2.05	2.11	2.54	2.64	1.69	2.34	2.39	2.42	2.48	2.47	2.90	2.57	2.44	2.40	2.35	2.31	2.36
8:00	2.07	2.04	2.07	2.05	2.11	2.54	2.64	1.69	2.35	2.39	2.41	2.47	2.46	2.88	2.55	2.44	2.38	2.32	2.31	2.34
9:00	2.07	2.05	2.06	2.05	2.11	2.54	2.64	1.69	2.32	2.37	2.39	2.46	2.46	2.72	2.59	2.44	2.38	2.34	2.31	2.35
10:00	2.07	2.04	2.06	2.05	2.11	2.54	2.64	1.69	2.32	2.37	2.39	2.46	2.44	2.77	2.64	2.46	2.38	2.34	2.31	2.37
11:00	2.07	2.04	2.06	2.04	2.11	2.54	2.64	1.69	2.32	2.37	2.41	2.46	2.44	2.79	2.67	2.48	2.38	2.35	2.31	2.38
12:00	2.07	2.04	2.07	2.02	2.11	2.54	2.64	1.69	2.32	2.37	2.40	2.46	2.44	2.88	2.68	2.47	2.38	2.34	2.32	2.39
13:00	2.06	2.05	2.08	2.03	2.11	2.54	2.64	1.69	2.32	2.37	2.41	2.46	2.44	2.94	2.61	2.48	2.39	2.34	2.32	2.39
14:00	2.06	2.06	2.07	2.02	2.11	2.54	2.64	1.69	2.32	2.37	2.40	2.46	2.44	2.92	2.64	2.47	2.38	2.33	2.31	2.40
15:00	2.06	2.05	2.07	2.05	2.11	2.54	2.64	1.69	2.32	2.37	2.40	2.47	2.44	2.91	2.63	2.46	2.39	2.35	2.33	2.36
16:00	2.06	2.07	2.07	2.05	2.11	2.53	2.64	1.69	2.32	2.37	2.40	2.46	2.44	2.92	3.12	2.49	2.39	2.36	2.33	2.42
17:00	2.06	2.07	2.08	2.06	2.11	2.53	2.64	1.69	2.32	2.37	2.41	2.47	2.46	2.97	3.04	2.26	2.37	2.34	2.33	2.35
18:00	2.07	2.02	2.09	2.02	2.11	2.53	2.64	1.69	2.37	2.38	2.41	2.47	2.45	2.97	2.69	2.37	2.37	2.34	2.33	2.35
19:00	2.07	2.05	2.09	2.03	2.11	2.53	2.64	1.69	2.37	2.38	2.41	2.47	2.45	2.99	2.69	2.39	2.38	2.35	2.32	2.36
20:00	2.07	2.08	2.09	2.03	2.11	2.53	2.64	1.69	2.38	2.38	2.41	2.47	2.46	3.01	2.66	2.41	2.39	2.35	2.32	2.36
21:00	2.07	2.08	2.10	2.02	2.11	2.53	2.64	1.69	2.38	2.39	2.42	2.47	2.46	2.90	2.64	2.34	2.39	2.35	2.32	2.46
22:00	2.07	2.07	2.09	2.02	2.11	2.53	2.64	1.69	2.38	2.39	2.42	2.48	2.46	2.87	2.62	2.31	2.39	2.34	2.32	2.46
23:00	2.07	2.07	2.09	2.02	2.11	2.54	2.64	1.69	2.39	2.39	2.43	2.48	2.47	2.84	2.59	2.29	2.40	2.34	2.32	2.45
0:00	2.07	2.07	2.09	2.02	2.11	2.54	2.64	1.69	2.39	2.40	2.43	2.48	2.47	2.80	2.55	2.26	2.40	2.35	2.31	2.45
1:00	2.07	2.08	2.09	2.02	2.11	2.54	2.64	1.69	2.40	2.40	2.43	2.49	2.46	2.77	2.45	2.17	2.39	2.35	2.31	2.44
2:00	2.07	2.08	2.09	2.02	2.11	2.54	2.64	1.69	2.40	2.40	2.43	2.49	2.46	2.72	2.39	2.17	2.39	2.35	2.32	2.43
3:00	2.07	2.07	2.08	2.01	2.11	2.54	2.64	1.69	2.40	2.40	2.43	2.49	2.46	2.70	2.53	2.28	2.40	2.35	2.32	2.42
4:00	2.07	2.07	2.08	2.01	2.11	2.56	2.64	1.69	2.40	2.40	2.43	2.49	2.46	2.80	2.59	2.28	2.40	2.35	2.32	2.40
5:00	2.07	2.07	2.08	2.01	2.11	2.56	2.64	1.69	2.40	2.40	2.43	2.49	2.46	2.90	2.63	2.45	2.40	2.34	2.31	2.40
6:00	2.06	2.06	2.07	2.01	2.11	2.56	2.64	1.69	2.40	2.40	2.43	2.49	2.46	2.99	2.66	2.49	2.40	2.35	2.31	2.38
Ave.	2.06	2.07	2.08	2.02	2.11	2.53	2.64	1.69	2.36	2.38	2.41	2.47	2.46	2.86	2.65	2.38	2.39	2.35	2.32	2.40

Table Results of Water Level Measurement for Detailed Seawater Intrusion Survey

B-1

Time	B1-DSIS01	B1-DSIS02	B1-DSIS03	B1-DSIS04	B1-DSIS05	B1-DSIS06	B1-DSIS07	B1-DSIS08	B1-DSIS09	B1-DSIS10	B1-DSIS11	B1-DSIS12	B1-DSIS13	B1-DSIS14	B1-DSIS15	B1-DSIS16	B1-DSIS17	B1-DSIS18	B1-DSIS19	B1-DSIS20
7:00	14.06	13.35	12.62	13.24	10.27	11.97	14.95	14.16	16.51	11.70	14.63	14.69	14.22	14.98	12.31	12.55	13.75	12.87	18.60	13.16
8:00	14.06	13.33	12.63	13.23	10.27	11.98	14.96	14.33	16.50	12.00	14.61	14.69	14.21	14.98	12.34	12.56	13.77	12.87	18.59	13.16
9:00	14.05	13.33	12.63	13.22	10.21	12.01	14.97	14.56	16.50	12.35	14.63	14.68	14.22	14.99	12.36	12.57	13.78	12.87	18.66	13.12
10:00	14.05	13.33	12.65	13.22	9.96	12.08	14.98	14.74	16.50	12.43	14.62	14.68	14.22	14.99	12.36	12.58	13.79	12.87	18.67	13.13
11:00	14.04	13.31	12.66	13.22	9.97	12.10	15.01	14.74	16.50	12.47	14.64	14.68	14.23	14.99	12.37	12.59	13.79	12.87	18.66	13.11
12:00	14.05	13.31	12.66	13.22	10.08	12.15	15.01	14.74	16.50	12.51	14.64	14.68	14.24	15.00	12.38	12.60	13.80	12.87	18.65	13.13
13:00	14.05	13.31	12.67	13.22	10.37	12.16	15.01	14.75	16.50	12.54	14.63	14.68	14.25	15.00	12.41	12.61	13.80	12.88	18.63	13.12
14:00	14.04	13.30	12.68	13.22	10.38	12.20	15.03	14.75	16.50	12.57	14.62	14.67	14.25	15.00	12.45	12.62	13.81	12.88	18.63	13.12
15:00	14.03	13.30	12.68	13.22	10.36	12.22	15.04	14.76	16.50	12.60	14.59	14.68	14.26	15.00	12.46	12.63	13.82	12.88	18.62	13.14
16:00	14.04	13.30	12.70	13.22	10.35	12.25	15.04	14.76	16.50	12.63	14.60	14.68	14.27	15.00	12.47	12.64	13.83	12.89	18.61	13.14
17:00	14.05	13.30	12.70	13.22	10.34	12.26	15.04	14.76	16.50	12.66	14.60	14.68	14.27	15.00	12.48	12.65	13.83	12.87	18.57	13.14
18:00	14.06	13.28	12.71	13.22	10.36	12.30	15.05	14.76	16.50	12.70	14.61	14.67	14.28	15.01	12.48	12.65	13.83	12.89	18.59	13.13
19:00	14.06	13.31	12.71	13.22	10.35	12.31	15.05	14.76	16.50	12.73	14.59	14.67	14.29	15.01	12.48	12.66	13.84	12.90	18.58	13.12
20:00	14.06	13.27	12.71	13.22	10.36	12.36	15.05	14.76	16.50	12.76	14.58	14.67	14.36	15.01	12.48	12.67	13.84	12.90	18.61	13.12
21:00	14.05	13.27	12.71	13.22	10.36	12.38	15.05	14.76	16.50	12.79	14.59	14.66	14.36	15.01	12.48	12.67	13.85	12.89	18.62	13.13
22:00	14.05	13.27	12.71	13.22	10.36	12.39	15.04	14.75	16.50	12.82	14.63	14.65	14.28	15.02	12.48	12.64	13.85	12.91	18.64	13.14
23:00	14.05	13.26	12.72	13.22	10.36	12.42	15.04	14.75	16.50	12.85	14.63	14.65	14.26	15.02	12.50	12.65	13.86	12.87	18.65	13.13
0:00	14.06	13.26	12.72	13.22	10.37	12.43	15.03	14.75	16.50	12.88	14.64	14.65	14.26	15.02	12.48	12.66	13.86	12.86	18.64	13.11
1:00	14.06	13.22	12.72	13.22	10.37	12.45	15.02	14.75	16.50	12.91	14.63	14.65	14.24	15.02	12.48	12.65	13.87	12.90	18.66	13.11
2:00	14.05	13.18	12.72	13.22	10.37	12.47	15.02	14.75	16.50	12.94	14.63	14.65	14.19	15.02	12.47	12.63	13.87	12.89	18.66	13.12
3:00	14.04	13.26	12.72	13.22	10.37	12.47	15.01	14.76	16.50	12.98	14.63	14.63	14.17	15.02	12.47	12.63	13.87	12.89	18.68	13.13
4:00	14.05	13.25	12.71	13.22	10.37	12.50	14.98	14.76	16.50	13.01	14.64	14.63	14.17	15.02	12.46	12.64	13.87	12.90	18.67	13.13
5:00	14.05	13.27	12.72	13.22	10.37	12.52	14.97	14.76	16.50	13.03	14.62	14.63	14.17	15.03	12.47	12.58	13.87	12.91	18.64	13.14
6:00	14.05	13.24	12.71	13.22	10.37	12.54	14.95	14.76	16.50	13.05	14.62	14.63	14.17	15.02	12.47	12.56	13.88	12.89	18.60	13.15
Ave.	14.05	13.28	12.69	13.22	10.30	12.29	15.02	14.70	16.50	12.66	14.62	14.66	14.25	15.01	12.44	12.62	13.83	12.89	18.63	13.13

Elevation Survey Result of Phu Yen (P-4)

Well No	Ground Surface (m)	Top of Well (m)
P4-DSIS01	5.322	6.152
P4-DSIS02	6.478	7.308
P4-DSIS03	6.997	7.527
P4-DSIS04	5.991	6.521
P4-DSIS05	6.136	6.736
P4-DSIS06	6.392	7.077
P4-DSIS07	5.847	6.437
P4-DSIS08	5.683	6.373
P4-DSIS09	5.779	6.529
P4-DSIS10	5.078	5.913
P4-DSIS11	5.773	6.543
P4-DSIS12	6.823	7.383
P4-DSIS13	4.993	5.913
P4-DSIS14	7.014	7.849
P4-DSIS15	6.185	6.380
P4-DSIS16	4.149	4.739
P4-DSIS17	6.536	7.116
P4-DSIS18	5.848	6.608
P4-DSIS19	6.204	6.944
P4-DSIS20	4.916	5.581
P4	12.540	13.044

Elevation Survey Result of Khnah Hoa (K-3)

Well No	Ground Surface (m)	Top of Well (m)
K3-DSISO1	1.575	2.315
K3-DSISO2	6.669	7.229
K3-DSISO3	15.770	16.500
K3-DSISO4	20.599	21.479
K3-DSISO5	22.059	22.909
K3-DSISO6	26.877	27.677
K3-DSISO7	24.492	25.362
K3-DSISO8	27.273	28.043
K3-DSISO9	27.996	28.736
K3-DSISO10	28.921	29.711
K3-DSISO11	21.034	21.724
K3-DSISO12	1.443	2.373
K3-DSISO13	1.948	2.608

K3-DSISO14	1.725	2.675
K3-DSISO15	1.309	1.539
K3-DSISO16	1.432	2.092
K3-DSISO17	4.194	4.764
K3-DSISO18	1.449	2.159
K3-DSISO19	7.974	8.864
K3-DSISO20	6.292	6.922
K3	19.884	20.634

Elevation Survey Result of Ninh Thuan (N-1)

Well No	Ground Surface (m)	Top of Well (m)
N1-DSISO1	3.247	3.737
N1-DSISO2	4.108	4.858
N1-DSISO3	4.697	4.977
N1-DSISO4	4.437	5.117
N1-DSISO5	3.759	4.149
N1-DSISO6	3.596	4.086
N1-DSISO7	3.265	3.83
N1-DSISO8	2.989	2.989
N1-DSISO9	4.591	5.021
N1-DSISO10	3.403	3.793
N1-DSISO11	4.68	4.93
N1-DSISO12	5.363	5.603
N1-DSISO13	4.414	5.164
N1-DSISO14	5.689	6.279
N1-DSISO15	7.56	8.24
N1-DSISO16	8.725	9.185
N1-DSISO17	10.388	10.858
N1-DSISO18	14.402	15.002
N1-DSISO19	4.743	5.263
N1-DSISO20	5.883	6.363
N1	17.24	18.12

Elevation Survey Result of Ninh Thuan (N-2)

Well No	Ground Surface (m)	Top of Well (m)
N2-DSIS01	7.420	7.670
N2-DSIS02	7.471	8.101
N2-DSIS03	8.335	9.005
N2-DSIS04	8.710	9.460
N2-DSIS05	12.298	13.198
N2-DSIS06	8.915	9.655
N2-DSIS07	8.933	9.493
N2-DSIS08	10.427	10.927
N2-DSIS09	13.329	13.419
N2-DSIS10	12.295	12.785
N2-DSIS11	12.657	13.177
N2-DSIS12	12.789	13.439
N2-DSIS13	15.585	15.825
N2-DSIS14	12.586	13.216
N2-DSIS15	12.652	13.032
N2-DSIS16	13.314	14.054
N2-DSIS17	14.207	14.887
N2-DSIS18	13.725	14.545
N2-DSIS19	14.981	15.801
N2-DSIS20	16.522	17.229
N2	10.153	10.883

Elevation Survey Result of Ninh Thuan (N-3)

Well No	Ground Surface (m)	Top of Well (m)
N3-DSIS01	10.353	11.113
N3-DSIS02	12.928	12.928
N3-DSIS03	10.295	12.125
N3-DSIS04	10.358	11.288
N3-DSIS05	13.182	13.982
N3-DSIS06	12.939	13.749
N3-DSIS07	12.364	12.614
N3-DSIS08	11.594	12.424
N3-DSIS09	13.993	15.073
N3-DSIS10	13.863	14.273
N3-DSIS11	20.859	21.709
N3-DSIS12	18.047	18.997
N3-DSIS13	18.742	19.012
N3-DSIS14	19.704	20.304
N3-DSIS15	12.587	13.267

N3-DSIS16	11.644	12.264
N3-DSIS17	10.174	11.024
N3-DSIS18	10.406	11.156
N3-DSIS19	11.101	11.841
N3-DSIS20	12.936	13.396
N3	18.592	19.292

Elevation Survey Result of Ninh Thuan (N-4)

Well No	Ground Surface (m)	Top of Well (m)
N4-DSIS01	9,190	9,600
N4-DSIS02	10,480	10,870
N4-DSIS03	10,945	11,365
N4-DSIS04	9,601	10,261
N4-DSIS05	11,161	11,951
N4-DSIS06	11,975	12,375
N4-DSIS07	11,451	12,421
N4-DSIS08	11,087	11,637
N4-DSIS09	17,347	17,647
N4-DSIS10	17,498	17,598
N4-DSIS11	22,688	23,038
N4-DSIS12	21,517	22,417
N4-DSIS13	26,799	27,579
N4-DSIS14	31,023	31,813
N4-DSIS15	31,215	32,185
N4-DSIS16	33,164	33,744
N4-DSIS17	28,972	29,722
N4-DSIS18	30,835	31,475
N4-DSIS19	10,022	10,532
N4-DSIS20	9,788	10,538
N4	40,515	41,305

Elevation Survey Result of Ninh Thuan (N-5)

Well No	Ground Surface (m)	Top of Well (m)
N5-DSIS01	5,940	5.940
N5-DSIS02	6,464	6.464
N5-DSIS03	7,107	7.107
N5-DSIS04	7,222	7.222
N5-DSIS05	6,942	6.942
N5-DSIS06	7,042	7.042
N5-DSIS07	7,984	7.984
N5-DSIS08	7,197	7.197
N5-DSIS09	7,788	7.788
N5-DSIS10	7,855	7.855
N5-DSIS11	12,522	12.522
N5-DSIS12	7,869	7.869
N5-DSIS13	9,913	9.913
N5-DSIS14	9,909	9.909
N5-DSIS15	7,242	7.242
N5-DSIS16	7,286	7.286
N5-DSIS17	7,464	7.464
N5-DSIS18	9,159	9.159
N5-DSIS19	11,222	11.222
N5-DSIS20	10,389	10.389
N5	9,572	9.572

Elevation Survey Result of Ninh Thuan (N-6)

Well No	Ground Surface (m)	Top of Well (m)
N6-DSIS01	5,288	6,068
N6-DSIS02	5,772	6,302
N6-DSIS03	5,714	6,244
N6-DSIS04	5,755	6,345
N6-DSIS05	5,606	6,116
N6-DSIS06	5,605	6,365
N6-DSIS07	7,226	7,746
N6-DSIS08	7,286	7,386
N6-DSIS09	4,408	4,518
N6-DSIS10	5,816	6,036
N6-DSIS11	4,586	5,356
N6-DSIS12	6,418	7,198
N6-DSIS13	7,623	7,923
N6-DSIS14	7,195	7,665
N6-DSIS15	6,393	7,043
N6-DSIS16	4,912	5,162

N6-DSIS17	5,407	5,757
N6-DSIS18	4,853	5,433
N6-DSIS19	4,433	5,093
N6-DSIS20	3,483	3,973
N6	58,039	58,809

Elevation Survey Result of Binh Thuan (B-1)

Well No	Ground Surface (m)	Top of Well (m)
B1-DSIS01	20,061	20,271
B1-DSIS02	19,863	20,653
B1-DSIS03	17,973	18,503
B1-DSIS04	19,167	19,657
B1-DSIS05	16,967	17,077
B1-DSIS06	19,452	19,682
B1-DSIS07	19,354	19,514
B1-DSIS08	20,532	20,892
B1-DSIS09	19,453	19,703
B1-DSIS10	19,382	19,902
B1-DSIS11	20,356	20,636
B1-DSIS12	20,651	21,121
B1-DSIS13	21,393	21,573
B1-DSIS14	20,216	20,666
B1-DSIS15	20,712	21,072
B1-DSIS16	22,319	22,669
B1-DSIS17	23,326	23,596
B1-DSIS18	22,931	23,431
B1-DSIS19	24,327	24,707
B1-DSIS20	26,176	26,566
B1	19,519	20,259