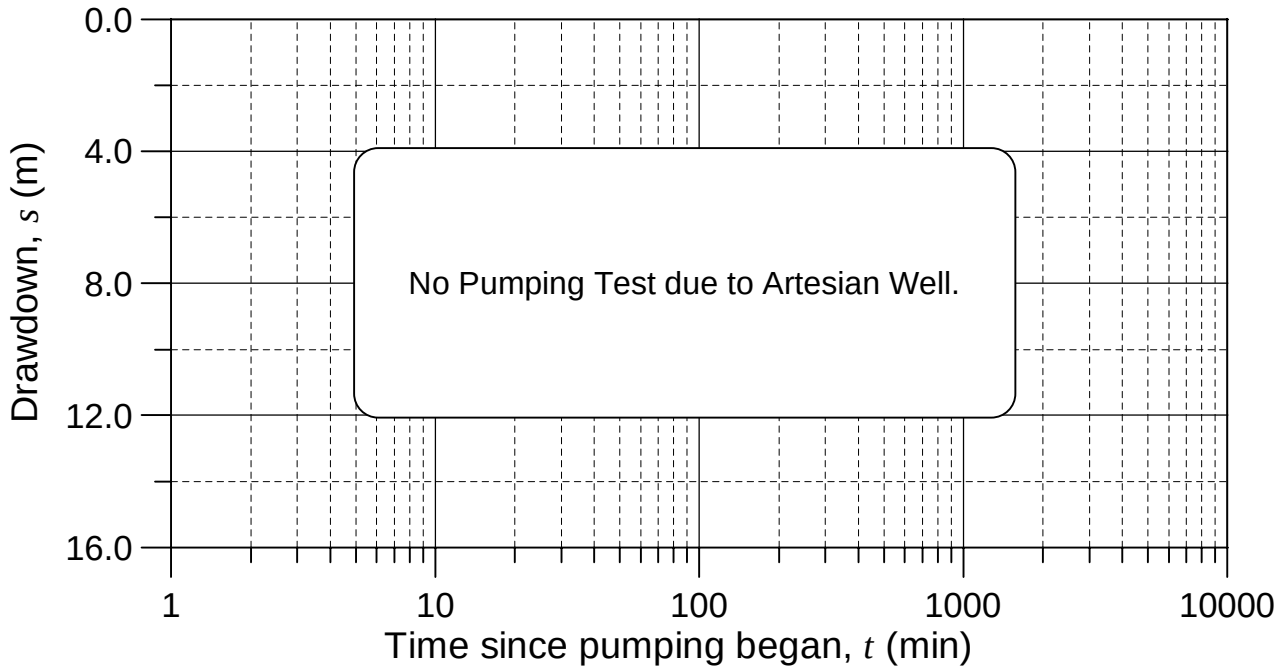
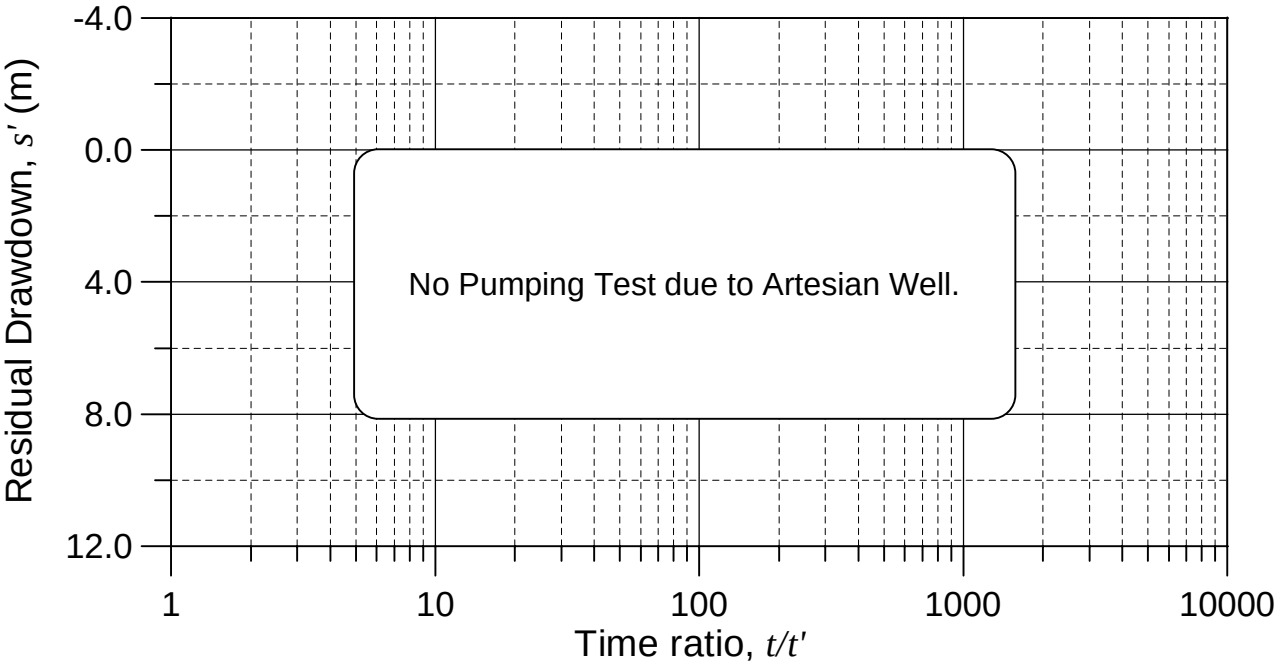


(a) Continuous Pumping Test



(b) Recovery Test

WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.8438
District:	Ponhea Kraek	Lati.-N(deg):	11.8302
Commune:	Popel	UTM-E(m):	591923
Village:	Khsak	UTM-N(m):	1307921
Village No.:	171M		

WELL SPECIFICATION

Drilled Depth:	42.0 m
Well Depth:	40.0 m
Screen Depth(s):	24.12 - 36.00 m
Screen Length:	11.88 m
Static WL:	(above GL)

LOCATION MAP

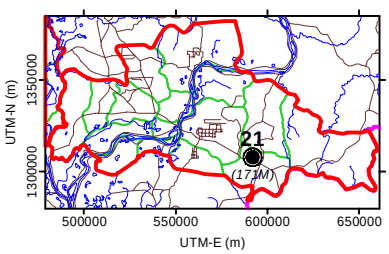
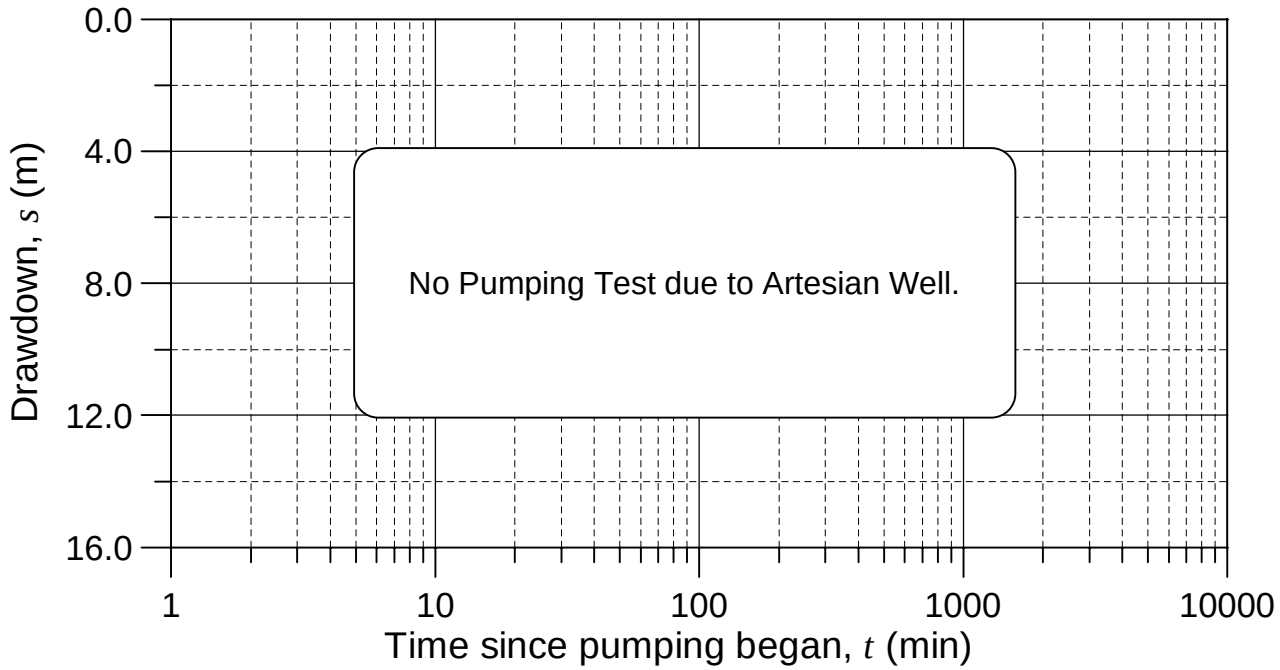


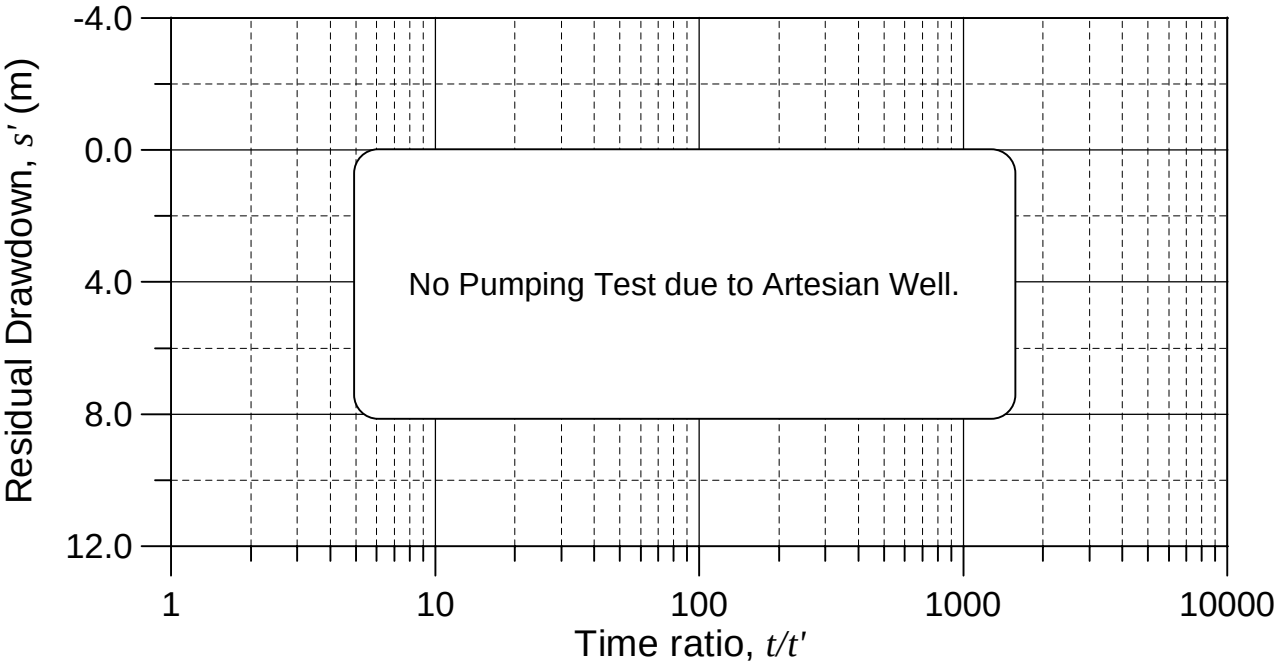
Figure 4.2.4.51 **Results of Continuous Pumping Test and Recovery Test at No.21 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



(a) Continuous Pumping Test



(b) Recovery Test

WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.4987
District:	Steung Trang	Lati.-N(deg):	12.2858
Commune:	Preak Kak	UTM-E(m):	554231
Village:	Tuol Pou	UTM-N(m):	1358213
Village No.:	214M		

WELL SPECIFICATION

Drilled Depth:	87.0 m
Well Depth:	84.0 m
Screen Depth(s):	37.30 - 81.03 m
Screen Length:	31.80 m
Static WL:	(above GL)

LOCATION MAP

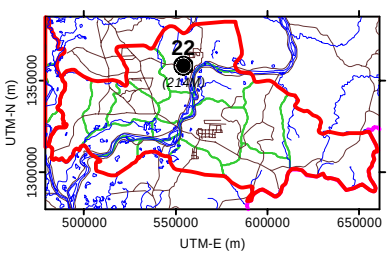
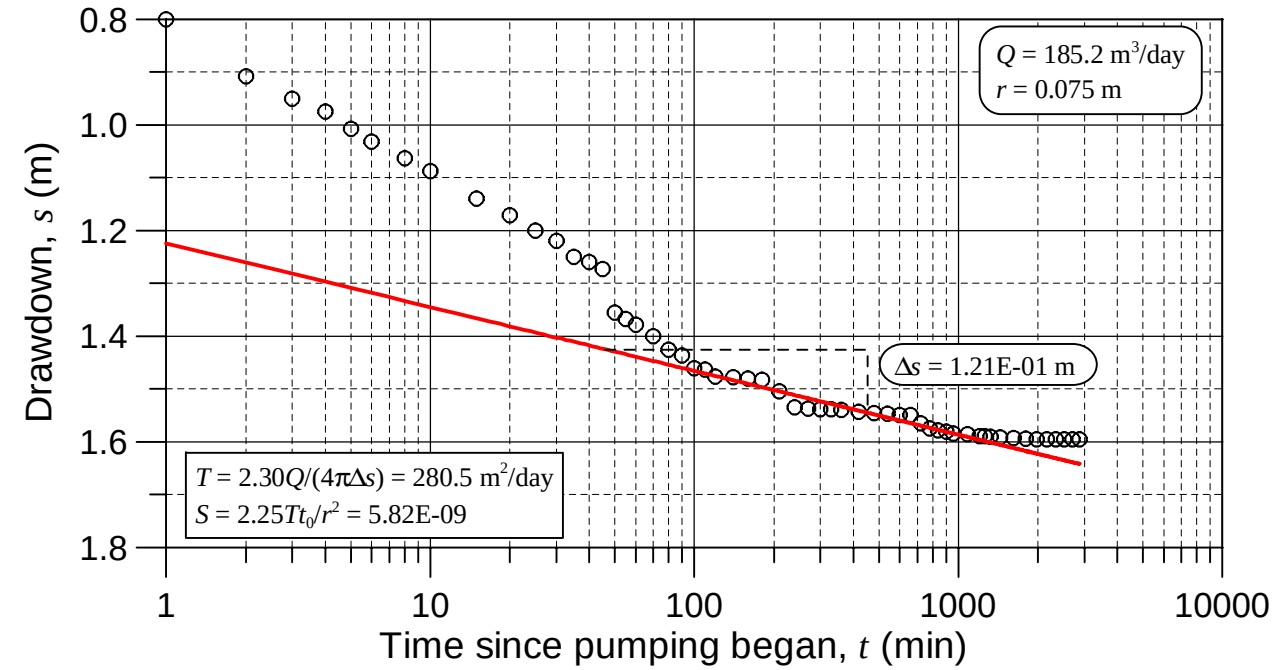


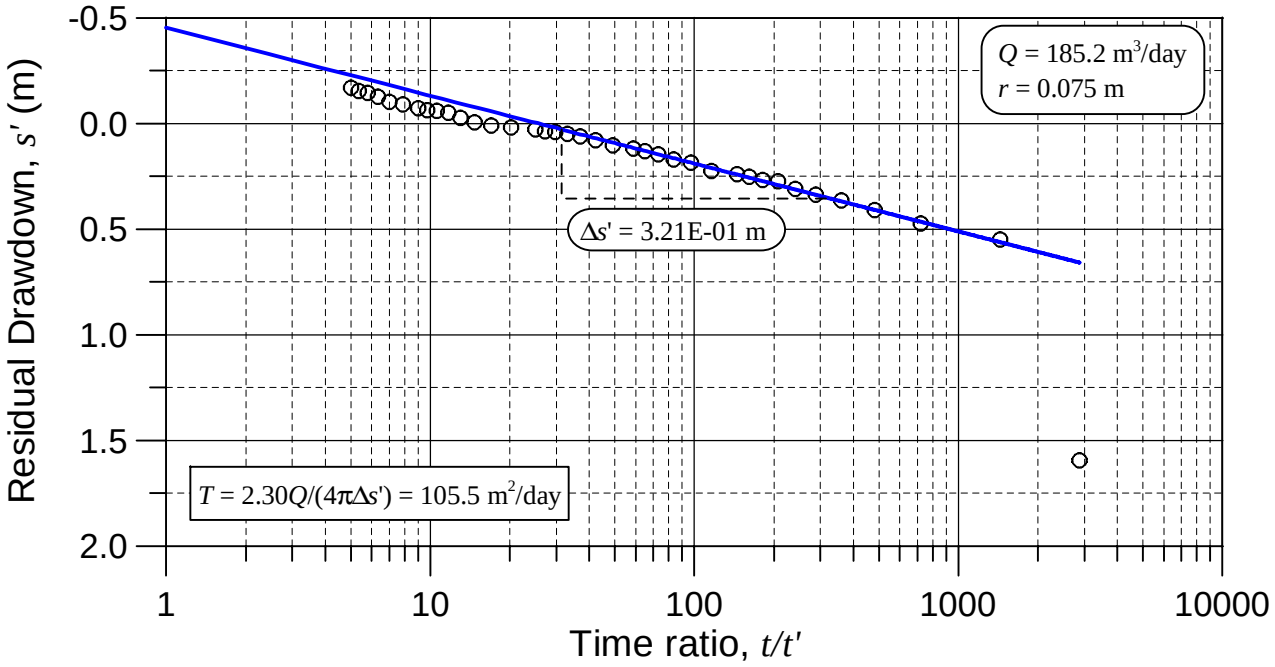
Figure 4.2.4.52 **Results of Continuous Pumping Test and Recovery Test at No.22 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



(a) Continuous Pumping Test



(b) Recovery Test

WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.6433
District:	Krouch Chhmar	Lati.-N(deg):	12.2794
Commune:	Svay Khleang	UTM-E(m):	569955
Village:	Phum Ti Prammuoy	UTM-N(m):	1356873
Village No.:	248M		

WELL SPECIFICATION

Drilled Depth:	68.0 m
Well Depth:	64.0 m
Screen Depth(s):	36.18 - 60.03 m
Screen Length:	19.88 m
Static WL:	6.400 m

LOCATION MAP

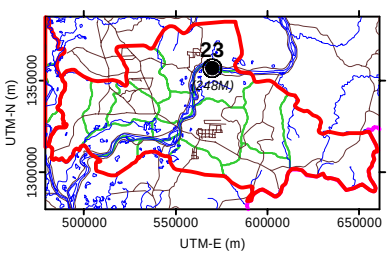
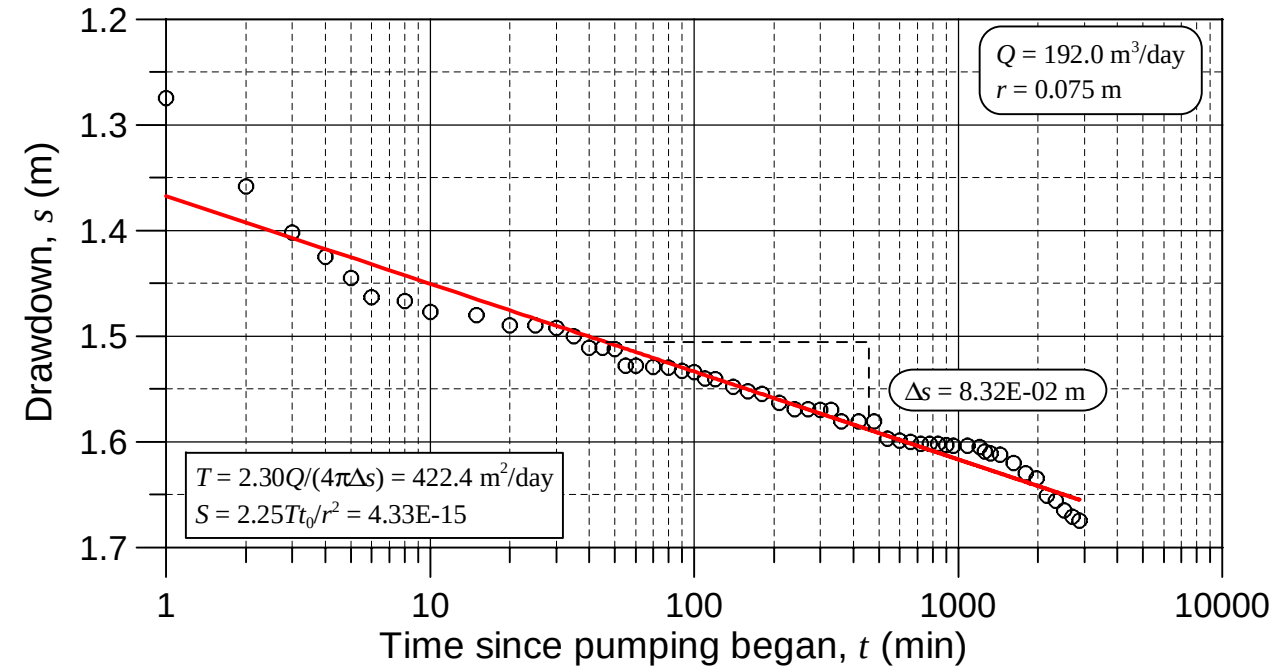


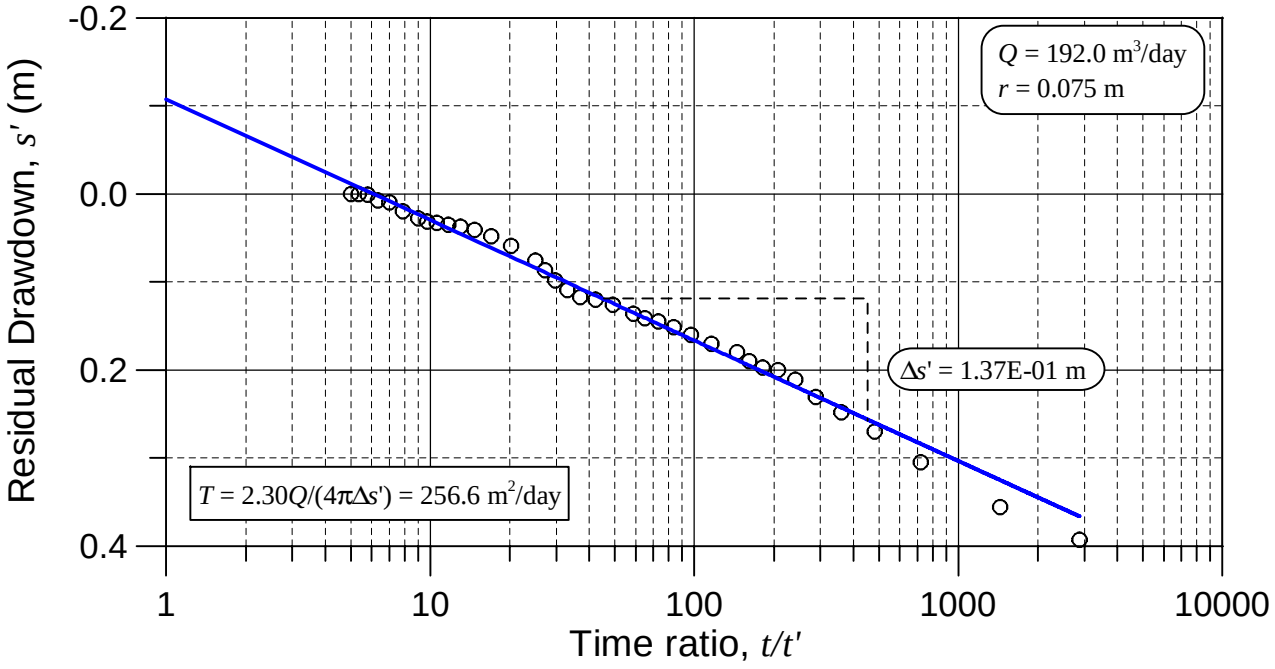
Figure 4.2.4.53 **Results of Continuous Pumping Test and Recovery Test at No.23 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



(a) Continuous Pumping Test



(b) Recovery Test

WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.7075
District:	Tboung Khmum	Lati.-N(deg):	11.9913
Commune:	Kor	UTM-E(m):	577026
Village:	Veal Khmum	UTM-N(m):	1325691
Village No.:	264M		

WELL SPECIFICATION

Drilled Depth:	40.0 m
Well Depth:	40.0 m
Screen Depth(s):	24.16 - 36.04 m
Screen Length:	11.88 m
Static WL:	5.920 m

LOCATION MAP

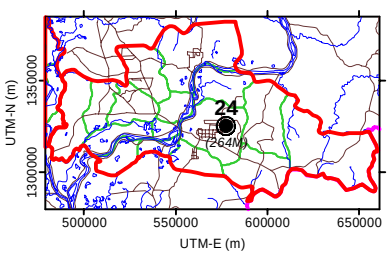
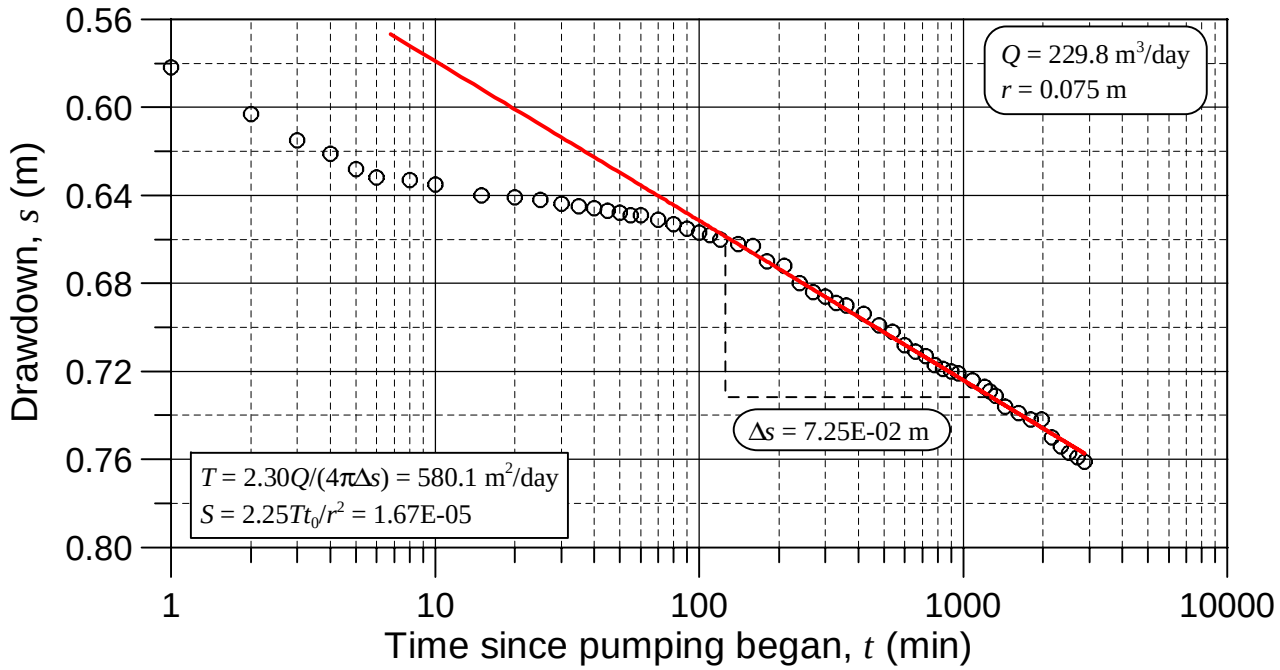


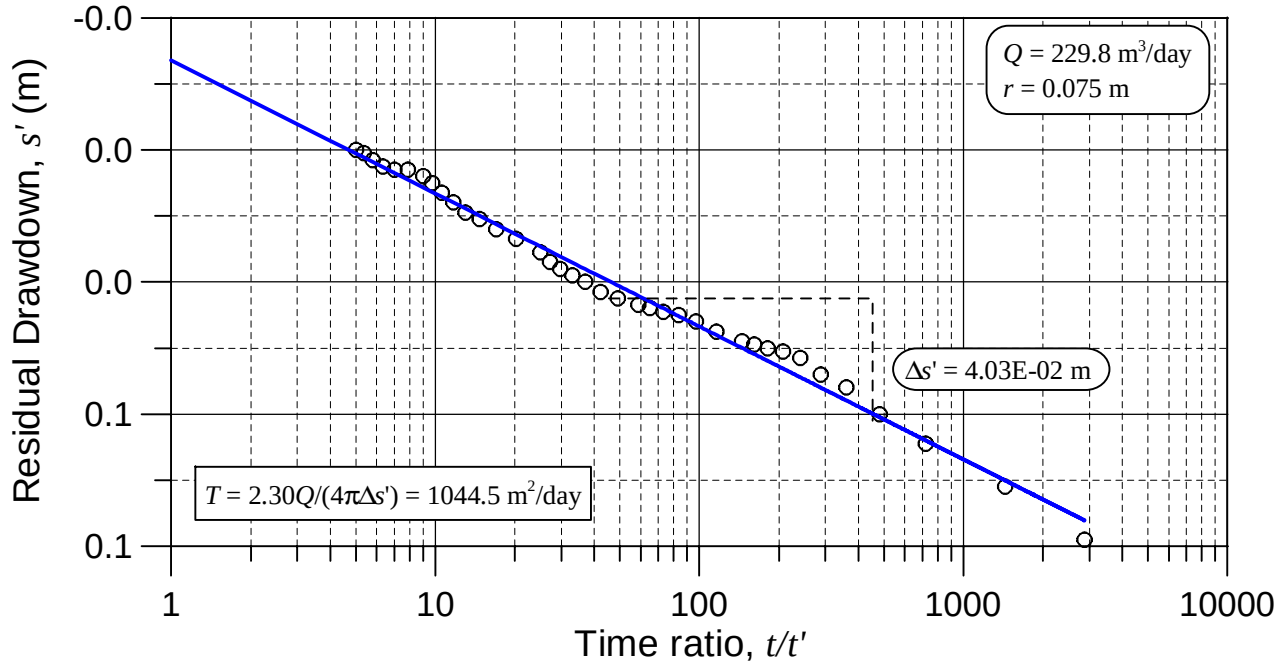
Figure 4.2.4.54 **Results of Continuous Pumping Test and Recovery Test at No.24 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

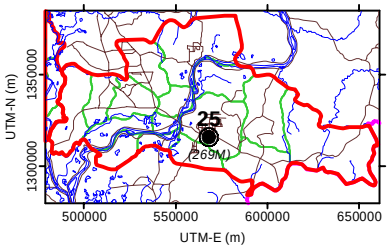


(a) Continuous Pumping Test



(b) Recovery Test

LOCATION MAP



WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.6250
District:	Tboung Khmum	Lati.-N(deg):	11.9043
Commune:	Mong Rieng	UTM-E(m):	568064
Village:	Mong Ti Prampir	UTM-N(m):	1316054
Village No.:	269M		

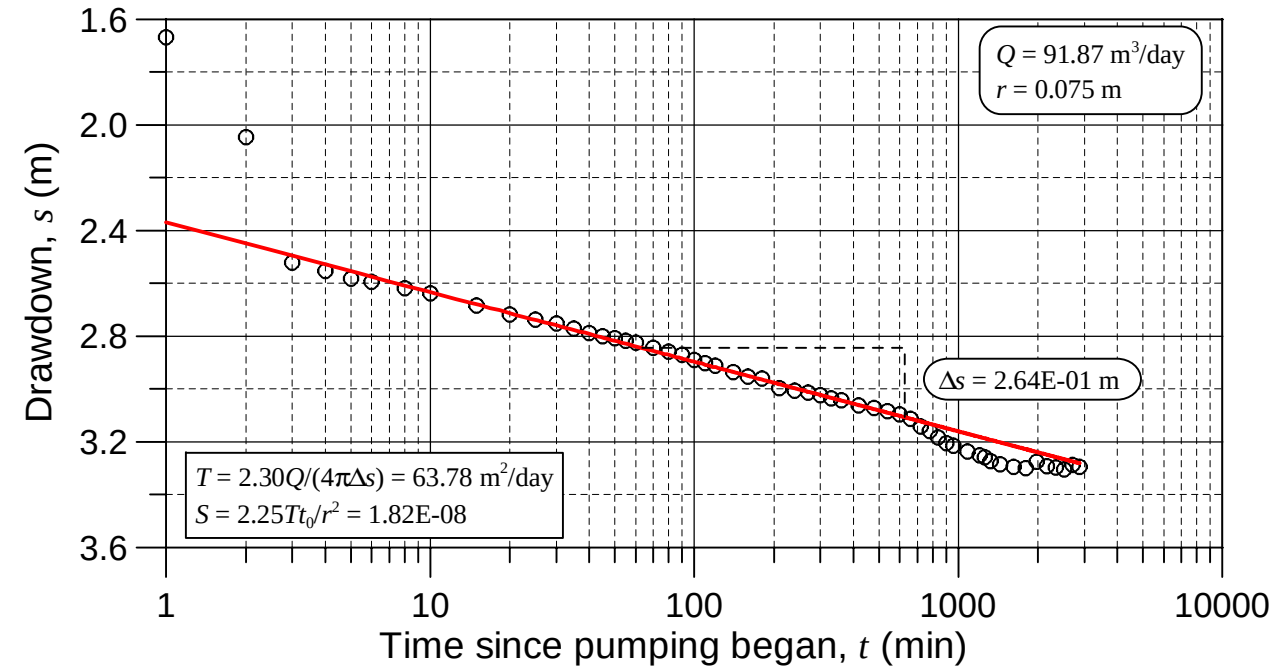
WELL SPECIFICATION

Drilled Depth:	58.8 m
Well Depth:	41.0 m
Screen Depth(s):	25.10 - 37.03 m
Screen Length:	11.93 m
Static WL:	1.050 m

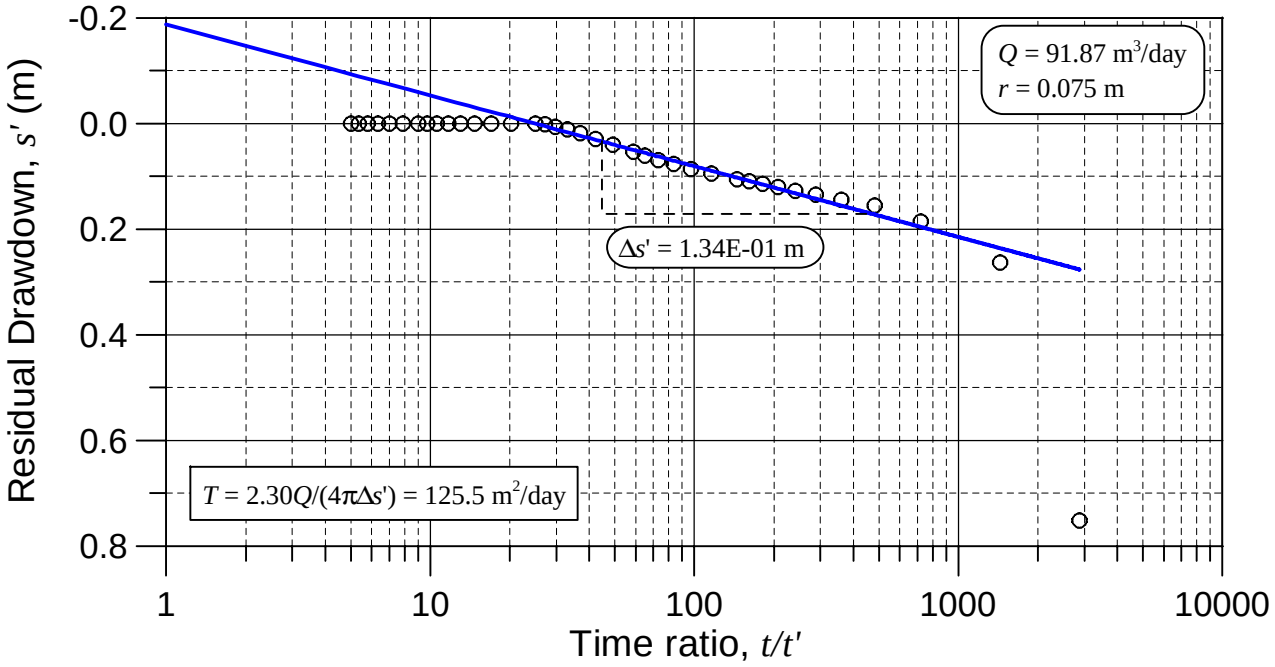
Figure 4.2.4.55 **Results of Continuous Pumping Test and Recovery Test at No.25 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

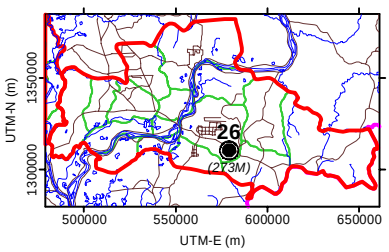


(a) Continuous Pumping Test



(b) Recovery Test

LOCATION MAP



WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.7263
District:	Tboung Khmum	Lati.-N(deg):	11.8544
Commune:	Anhchaeum	UTM-E(m):	579114
Village:	Chheu Teal Chrum	UTM-N(m):	1310560
Village No.:	273M		

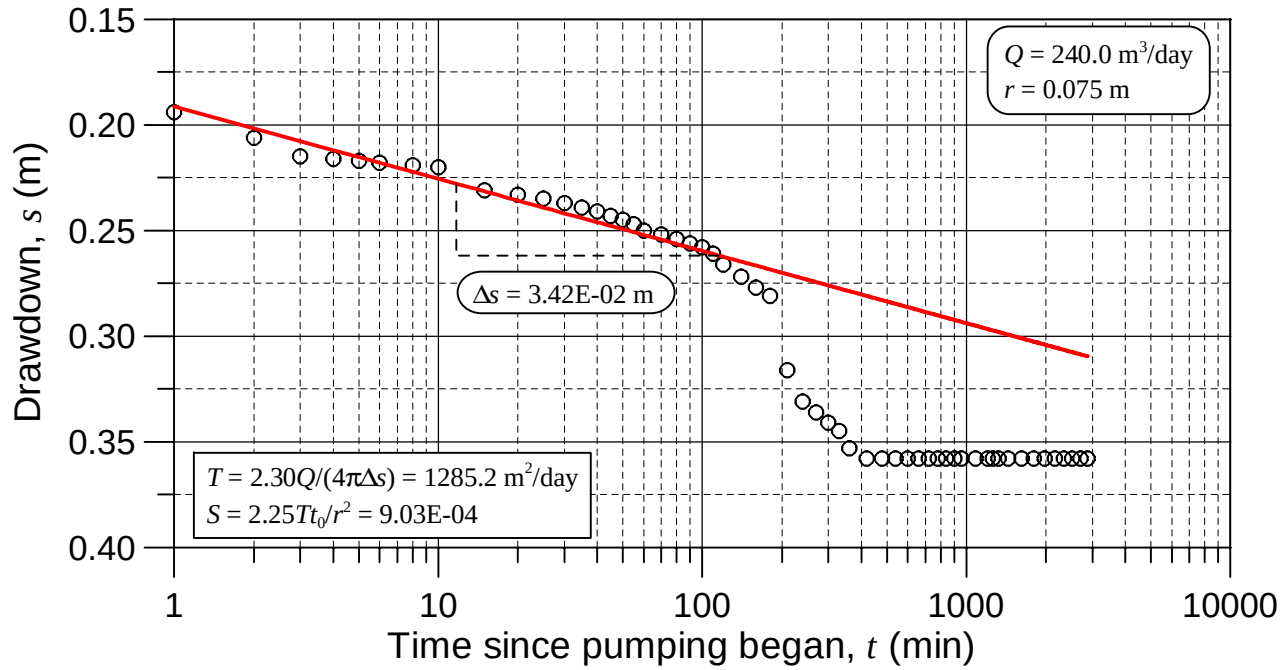
WELL SPECIFICATION

Drilled Depth:	35.0 m
Well Depth:	23.25 m
Screen Depth(s):	11.08 - 19.00 m
Screen Length:	7.92 m
Static WL:	1.570 m

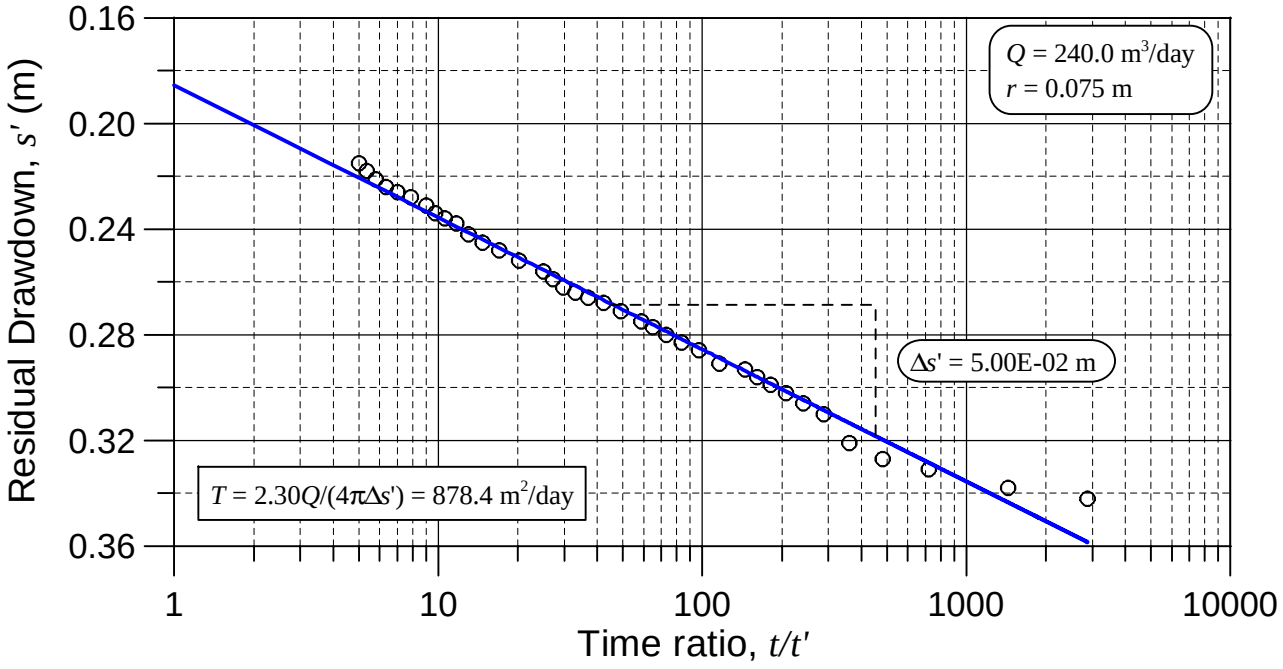
Figure 4.2.4.56 **Results of Continuous Pumping Test and Recovery Test at No.26 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



(a) Continuous Pumping Test



(b) Recovery Test

WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.5054
District:	Ou Reang Ov	Lati.-N(deg):	11.7758
Commune:	Kong Chey	UTM-E(m):	555065
Village:	Cheung Voat	UTM-N(m):	1301813
Village No.:	321M		

WELL SPECIFICATION

Drilled Depth:	100.0 m
Well Depth:	93.0 m
Screen Depth(s):	49.44 - 89.04 m
Screen Length:	23.76 m
Static WL:	7.379 m

LOCATION MAP

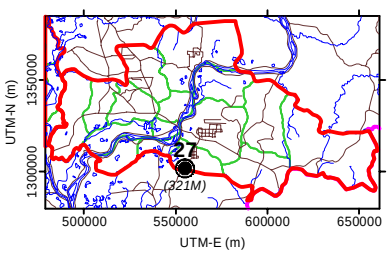
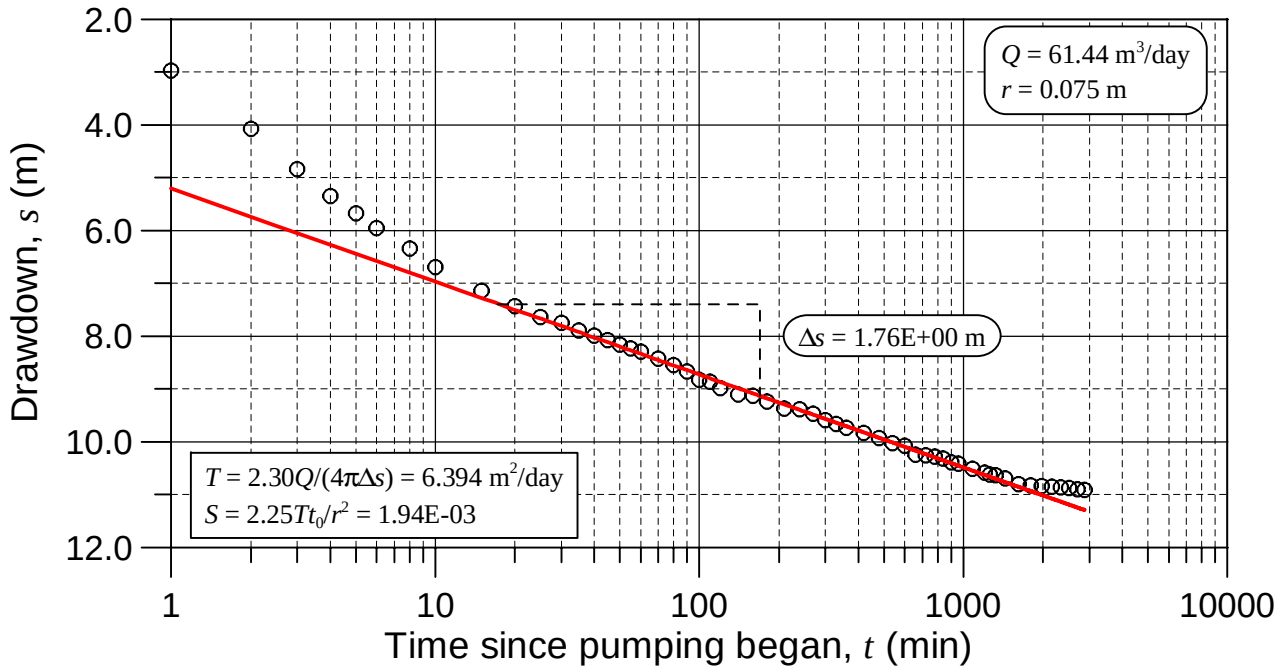


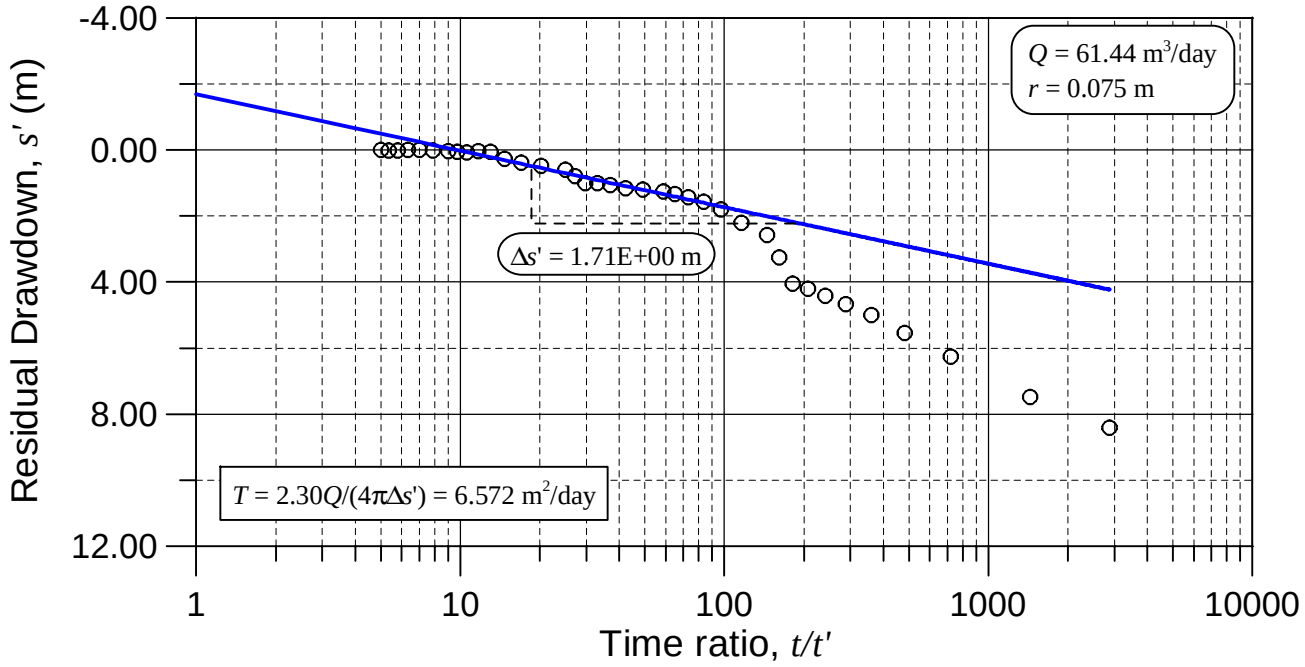
Figure 4.2.4.57 **Results of Continuous Pumping Test and Recovery Test at No.27 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

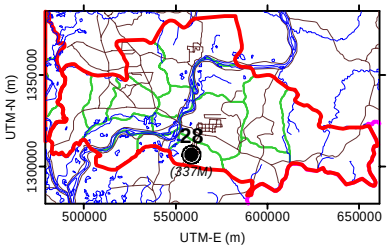


(a) Continuous Pumping Test



(b) Recovery Test

LOCATION MAP



WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.5383
District:	Ou Reang Ov	Lati.-N(deg):	11.8188
Commune:	Tuol Sophy	UTM-E(m):	558639
Village:	Thma Da Lech	UTM-N(m):	1306583
Village No.:	337M		

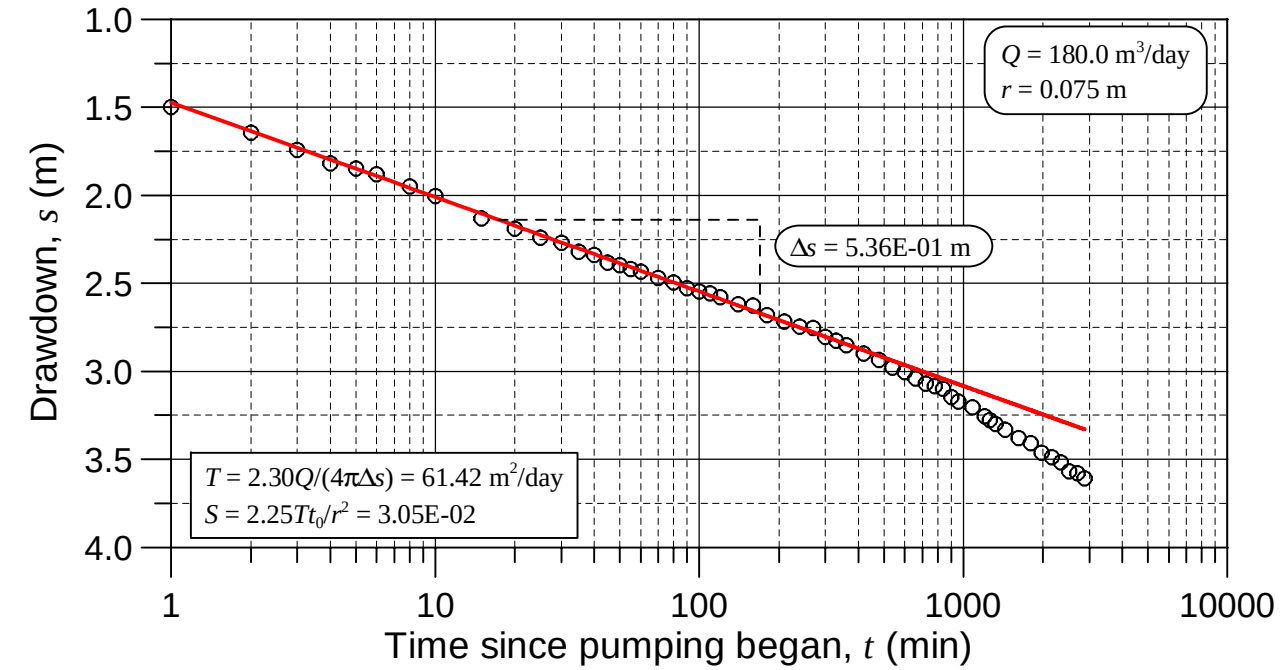
WELL SPECIFICATION

Drilled Depth:	39.0 m
Well Depth:	38.4 m
Screen Depth(s):	18.125 - 36.00 m
Screen Length:	17.88 m
Static WL:	5.621 m

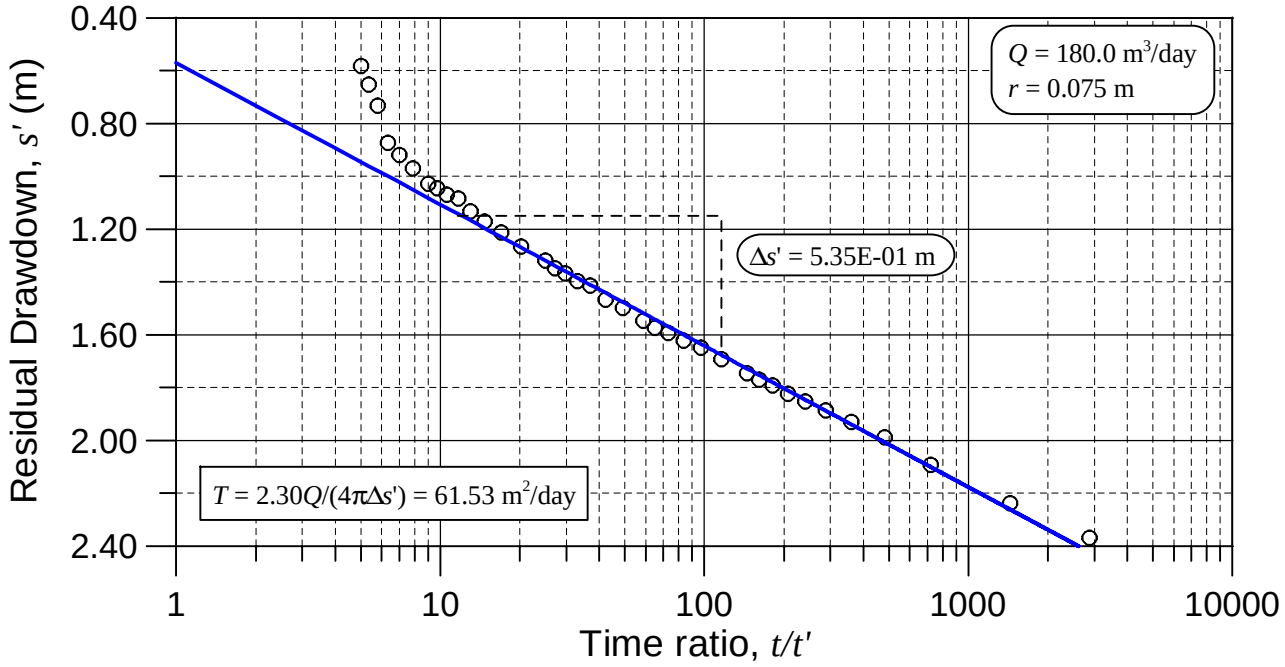
Figure 4.2.4.58 **Results of Continuous Pumping Test and Recovery Test at No.28 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

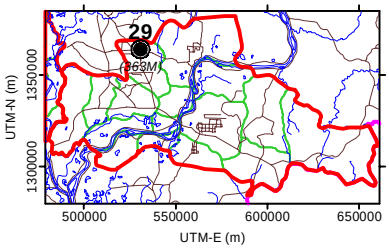


(a) Continuous Pumping Test



(b) Recovery Test

LOCATION MAP



WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.2839
District:	Chamkar Leu	Lati.-N(deg):	12.3396
Commune:	Lvea Leau	UTM-E(m):	530872
Village:	Lvea Cheung	UTM-N(m):	1364129
Village No.:	363M		

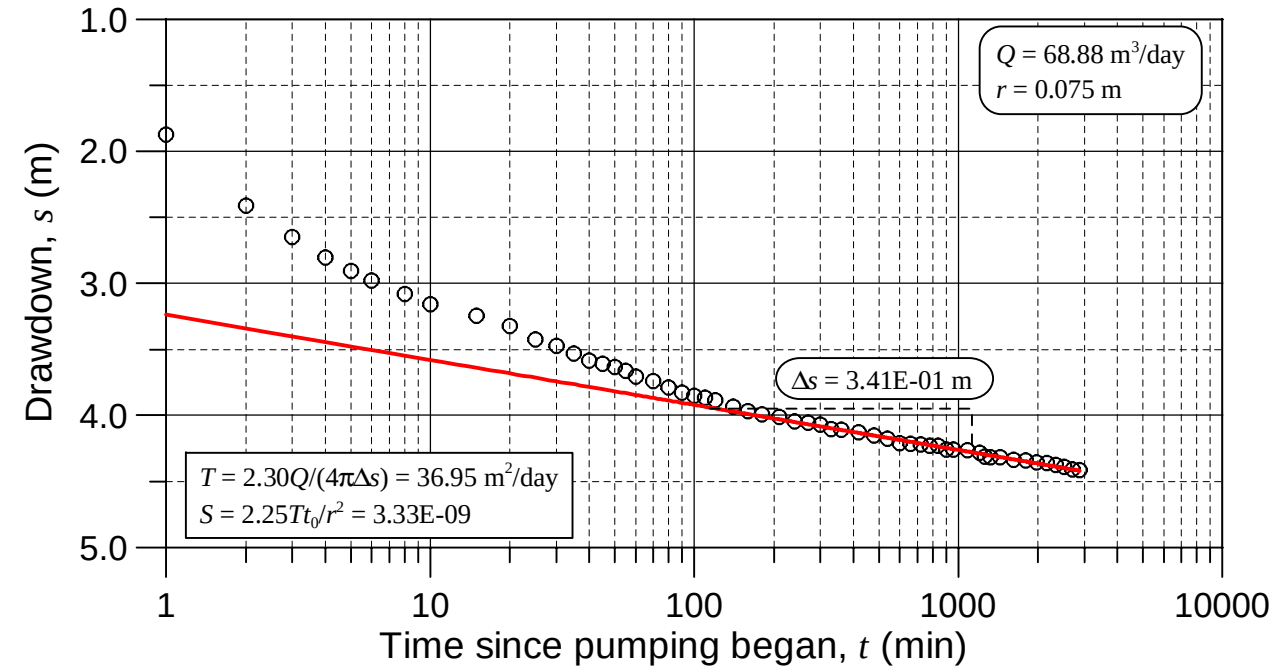
WELL SPECIFICATION

Drilled Depth:	60.0 m
Well Depth:	46.0 m
Screen Depth(s):	26.20 - 42.04 m
Screen Length:	15.84 m
Static WL:	5.632 m

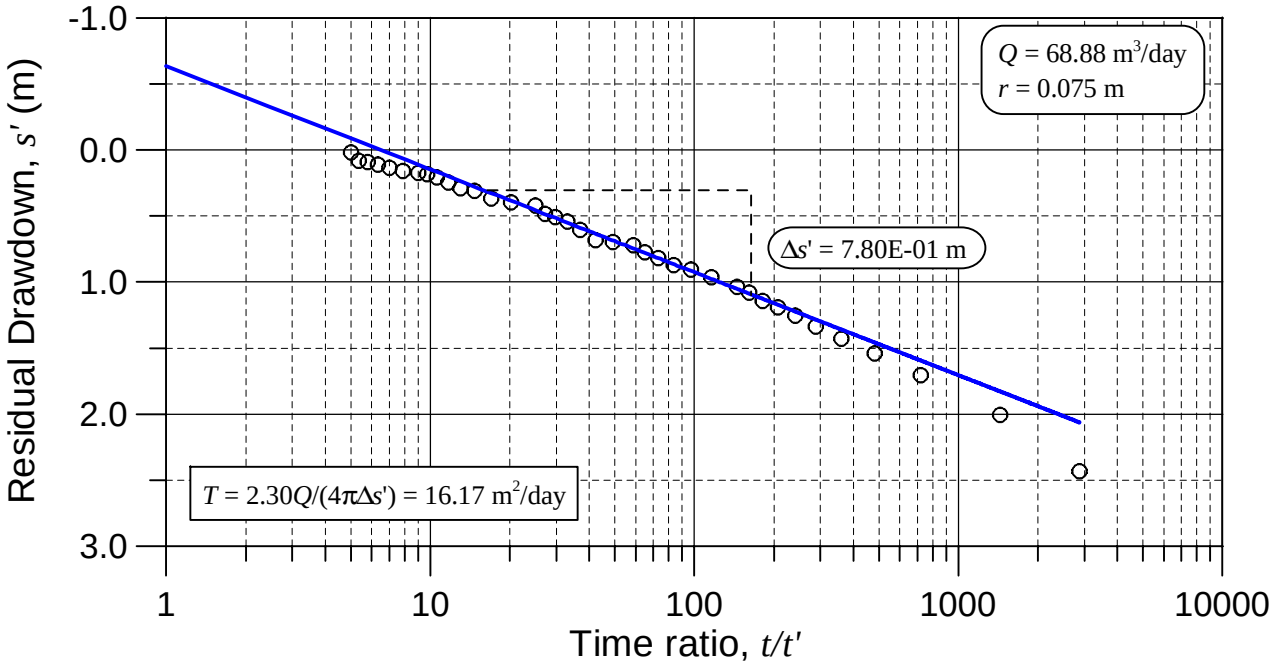
Figure 4.2.4.59 **Results of Continuous Pumping Test and Recovery Test at No.29 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

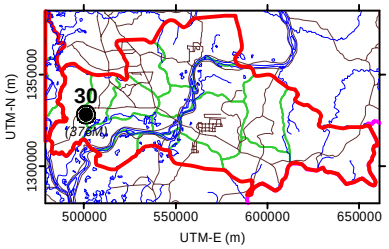


(a) Continuous Pumping Test



(b) Recovery Test

LOCATION MAP



WELL LOCATION

Province:	Kg. Cham	Long.-E(deg):	105.0112
District:	Cheung Prey	Lati.-N(deg):	12.0156
Commune:	Khnor Dambang	UTM-E(m):	501215
Village:	Knaor Dambang	UTM-N(m):	1328281
Village No.:	376M		

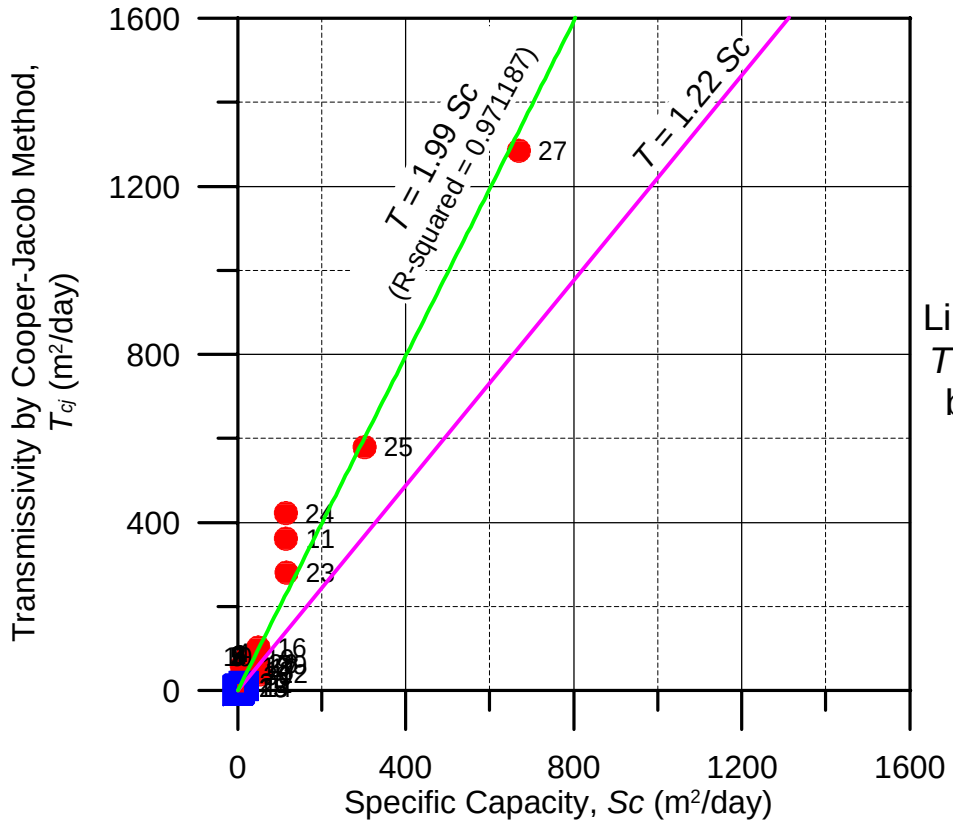
WELL SPECIFICATION

Drilled Depth:	100.0 m
Well Depth:	25.0 m
Screen Depth(s):	13.08 - 23.00 m
Screen Length:	7.92 m
Static WL:	3.110 m

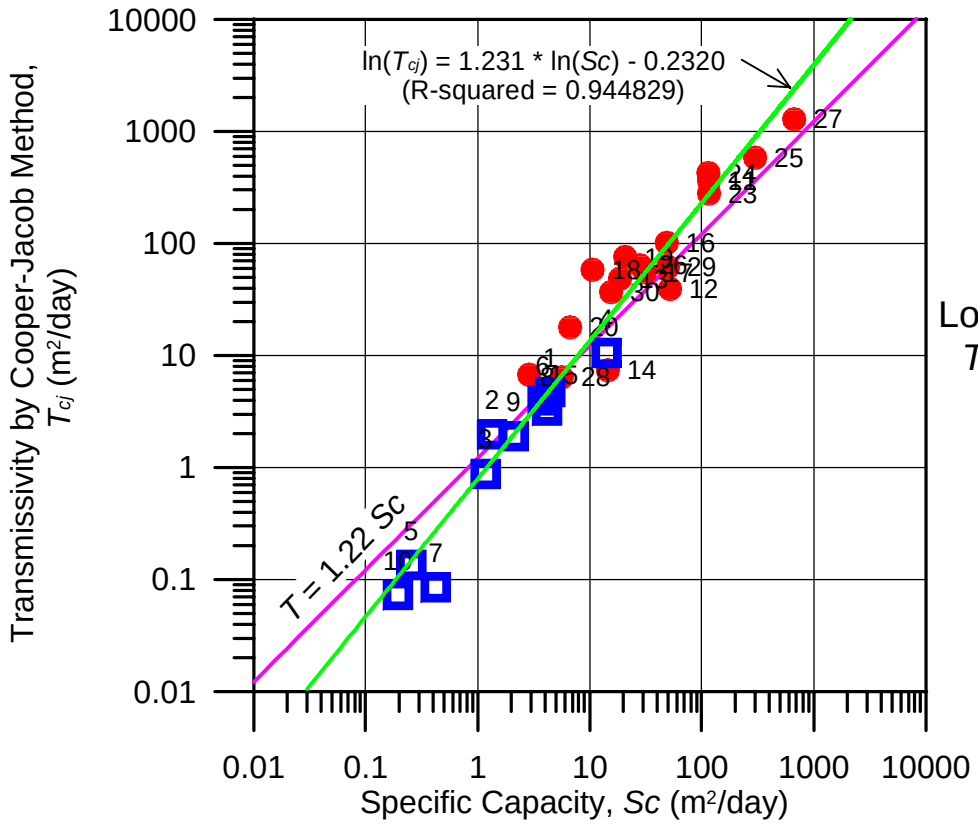
Figure 4.2.4.60 **Results of Continuous Pumping Test and Recovery Test at No.30 Test Well**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



Linear Plots of *T-Sc* Relation by Province



Log-Log Plots of *T-Sc* Relation by Province

10 Test Well in Kg. Chhnang

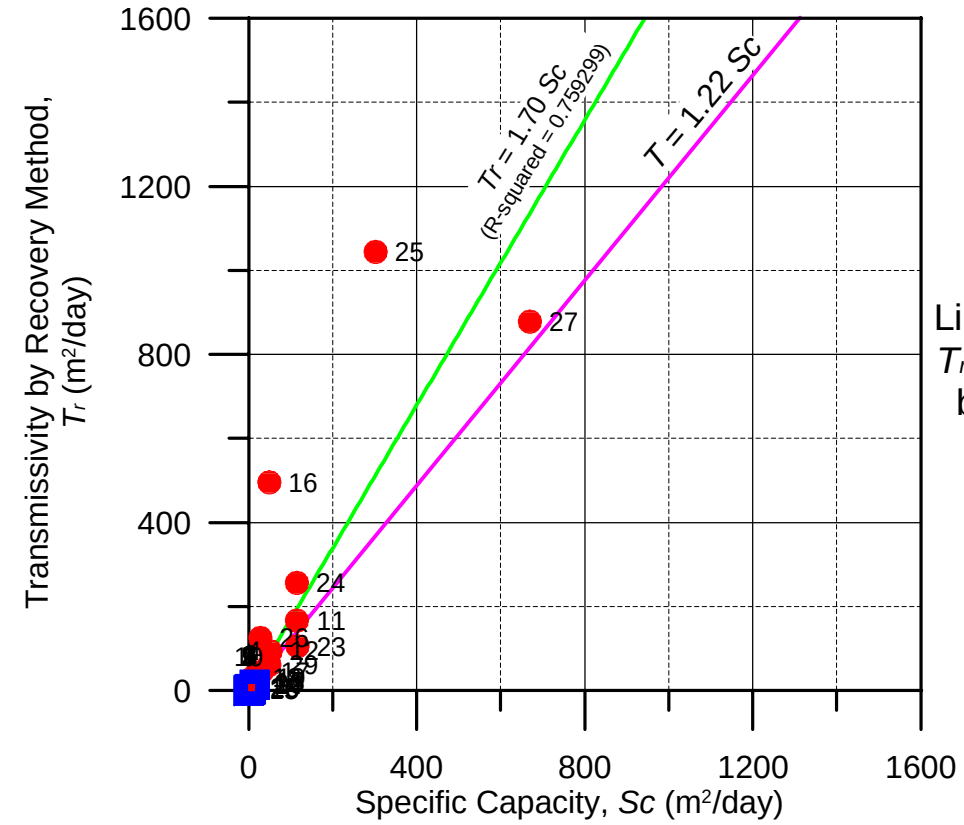
30 Test Well in Kg. Cham

(No. Indicates JICA Test Well No.)

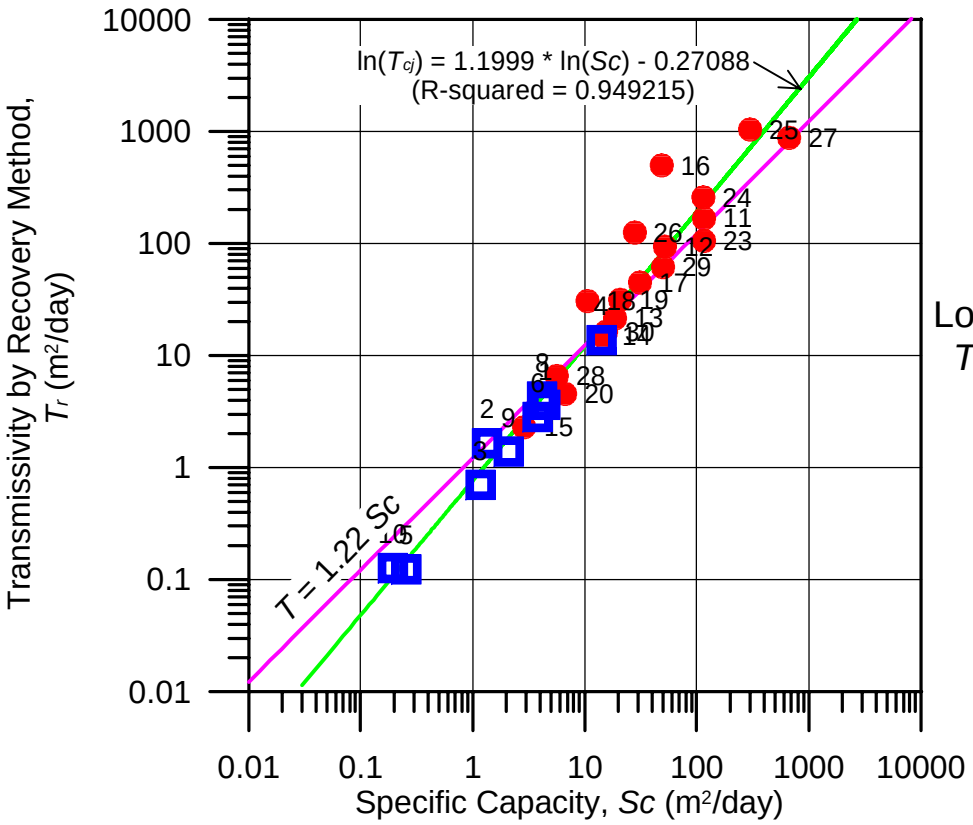
Figure 4.2.4.61 **Linear Plots and Log-Log Plots of T_{cj}-*Sc* Relations of Test Wells by Province**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



Linear Plots of T_r-Sc Relation by Province



Log-Log Plots of T_r-Sc Relation by Province

10 Test Well in Kg. Chhnang

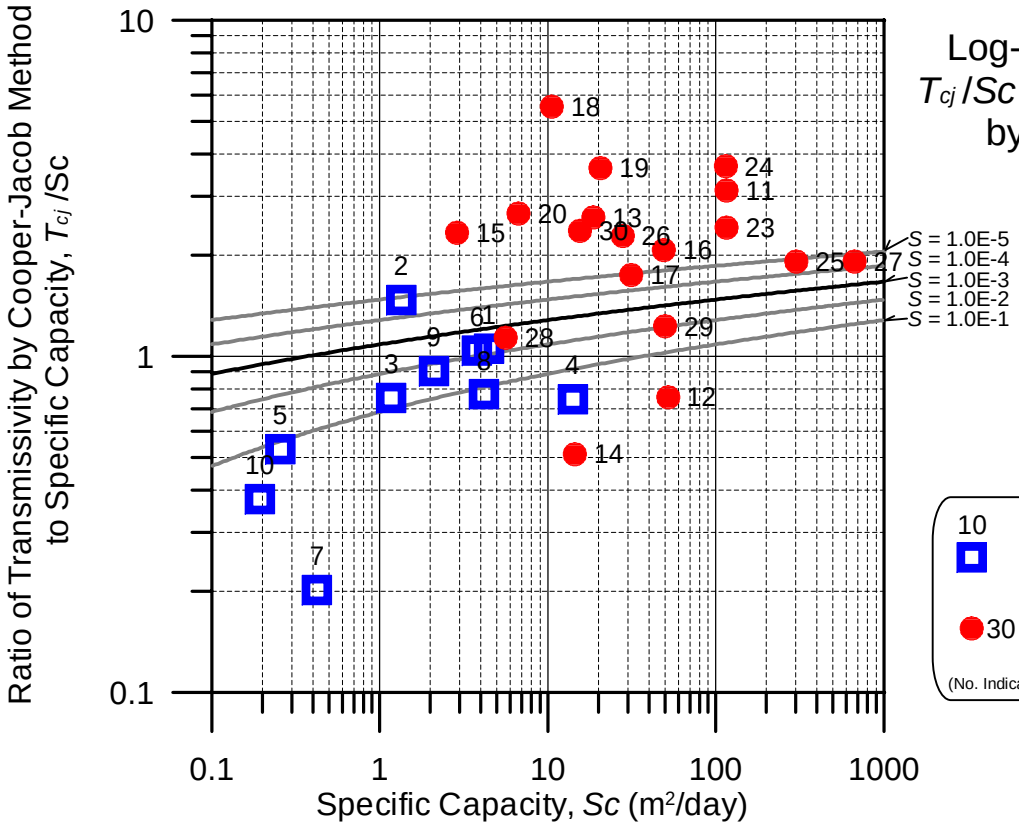
30 Test Well in Kg. Cham

(No. Indicates JICA Test Well No.)

Figure 4.2.4.62 **Linear Plots and Log-Log Plots of T_r-Sc Relations of Test Wells by Province**

THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



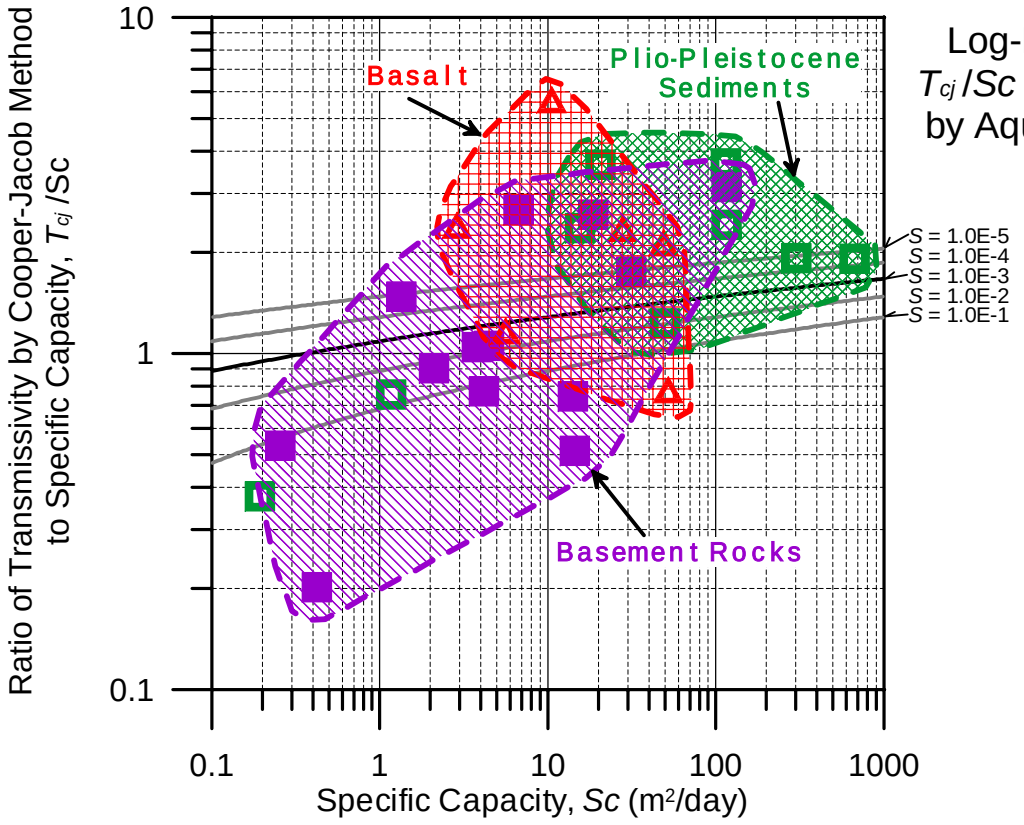
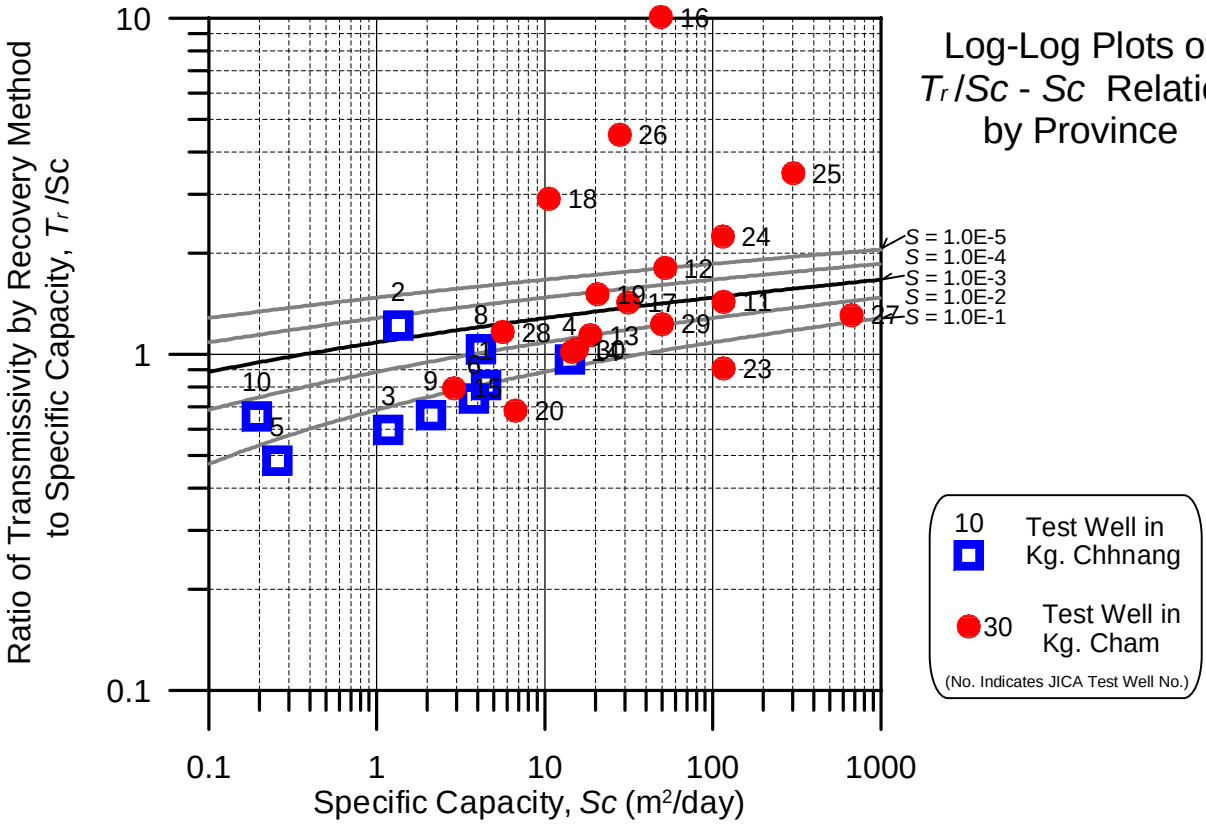


Figure 4.2.4.63	***Tcj / Sc - Sc* Relations of Test Wells by Province and Aquifer Geology**
THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	



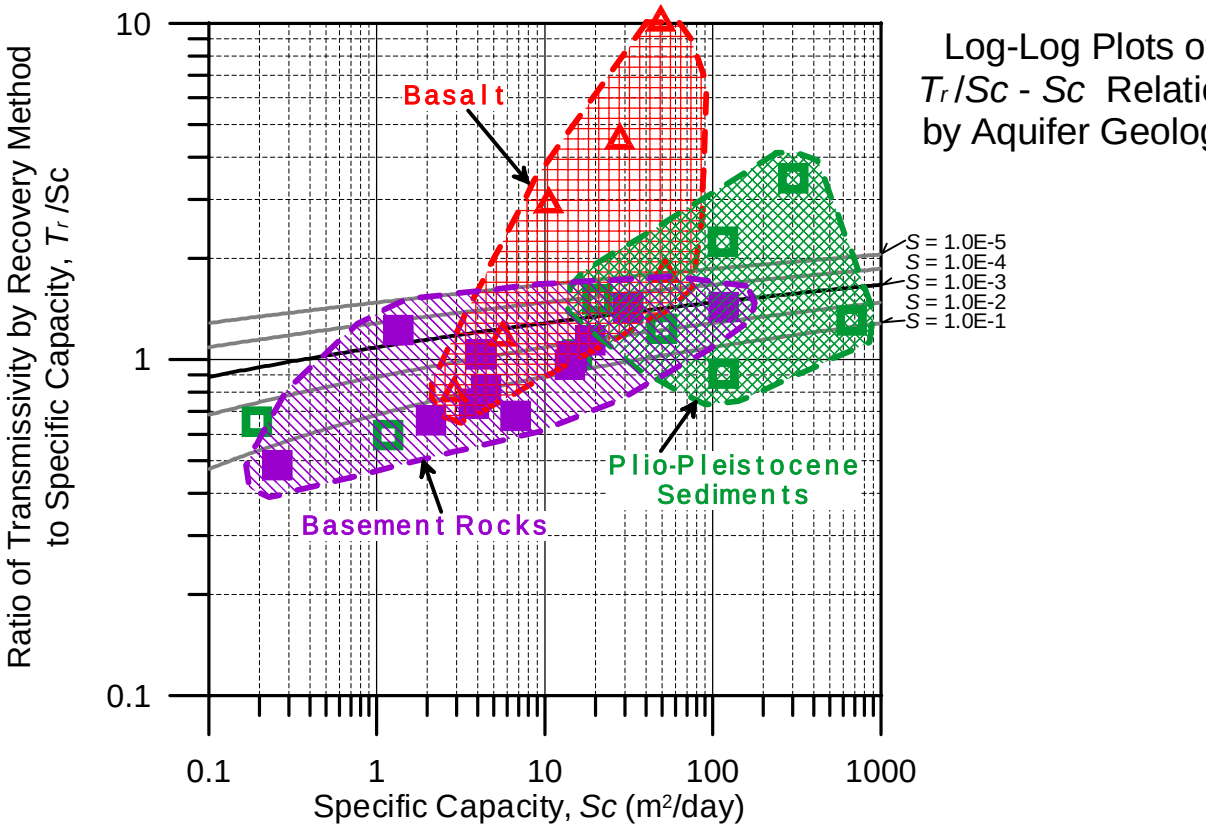


Figure 4.2.4.64	***Tr / Sc - Sc* Relations of Test Wells by Province and Aquifer Geology**
THE STUDY ON GROUNDWATER DEVELOPMENT IN CENTRAL CAMBODIA	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

Table 4.2.4.1 Summary of Step-Drawdown Pumping Test (1/2)

Test Well No.	Village No.	District Name Coomune Name Village Name	Drilled Depth (m)	Well Depth (m)	Screen Depths (m)	Screen Length (m)	Aquifer Tapped	Date (dd/mm/yy)	Static Water Level (m)	Step-1 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-2 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-3 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-4 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-5 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-6 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-7 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-8 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-9 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-10 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Step-11 Q (m³/d) s (m) Sw (m²/d) Sw (%)	Aquifer Loss Coefficient B (s/m²)	Well Loss Coefficient C (s²/m⁵)	Average Well Efficiency (%)	Remarks
1	038G	Kg Trabeach Chhuk Sa Trapeang Khtum	51	47	23.15–43.025	19.88	Fissured Rh	05/08/01	4.230	28.8 4.514 6.38 80.60	36.0 6.108 5.90 83.79	43.2 7.508 5.76 85.73	50.4 9.095 5.54 79.69	57.6 10.589 5.44 77.24	72.0 13.509 5.30 78.24	57.6 12.478 4.62 68.55	50.4 11.610 4.34 61.64	43.2 10.200 4.24 60.14	36.0 8.403 4.28 60.64	28.8 7.685 3.75 53.22	1.42E-01	7.03E-04	71.70	
2	045G	Kg Trabeach Chreas Prey Pis	67	36	20.1–24.075 28.05–32.04	7.92	Fissured Ss	26/05/01	2.665	14.4 3.385 1.97 46.06	17.3 9.717 1.78 41.61	20.2 12.930 1.56 37.74	23.0 14.780 1.56 36.46	25.9 19.185 1.35 31.61	23.0 16.955 1.36 31.60	20.2 14.325 1.41 32.93	17.3 13.050 1.32 30.80	14.4 11.055 1.30 30.48	– – – –	– – – –	2.34E-01	1.80E-02	35.52	
3	06nG	Kg Trabeach Tak Chees Sempear	65	52	12.40–24.28 32.20–36.16 44.08–48.04	19.80	Pleistocene sand & Sandstone	24/08/01	3.350	4.8 2.176 2.23 85.79	9.1 4.008 2.25 87.19	16.5 7.834 2.16 93.15	19.8 10.824 1.85 72.42	23.0 13.685 1.65 64.62	19.3 13.028 1.48 57.08	14.2 11.932 1.23 47.40	9.5 7.480 1.25 49.11	4.8 5.067 0.95 38.69	0.0 2.198 – –	– – – –	3.85E-01	7.59E-04	64.82	
4	072G	Rolea Bier Kreng Leav Tuek Lak	23	22	12.08–20.00	7.92	Fissured Sandstone	16/08/01	1.540	33.6 1.574 21.5 70.85	46.3 2.300 20.1 68.24	56.3 2.791 20.2 68.57	68.3 3.974 17.2 56.80	77.5 4.600 16.2 53.30	65.6 4.218 15.6 51.38	57.2 3.700 15.5 51.05	48.1 3.000 15.0 49.67	34.2 2.410 14.2 46.90	0.0 1.105 – –	– – – –	3.30E-02	3.57E-04	56.86	
5	082G	Rolea Bier Preaneb Preaneb	65	62	44.11–48.06 52.08–56.025	9.84	Fissured Sandstone	21/08/01	2.600	8.6 14.250 0.606 62.45	11.5 21.598 0.534 54.66	14.4 29.705 0.484 48.08	11.5 31.192 0.369 36.95	8.6 29.954 0.288 29.71	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	1.03E+00	7.22E-02	47.01	Only 5 steps due to large drawdown
6	065G	Rolea Bier Snae Thnal Chamlar Ta Mau	33	24	12.12–20.04	7.92	Weathered Sandstone	15/08/01	1.311	19.7 3.542 5.57 72.41	23.1 4.272 5.42 70.43	29.1 6.158 4.56 59.23	34.0 7.971 4.73 61.46	36.9 8.439 4.37 56.86	32.7 6.823 4.73 61.43	27.6 6.071 4.55 59.15	23.0 5.169 4.48 57.70	19.1 4.657 4.11 53.40	0.0 1.174 – –	– – – –	1.30E-01	2.61E-03	61.35	
7	103G	Saenakki Mean Chey Seaitlei Peareach	65.6	64	30.05–32.29 44.16–60.00	17.92	Fissured Sandstone	–	–	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	–	–	–	No test due to very small yield.
8	108G	Saenakki Mean Chey Thaeng Khpos Thaeng Khpos	41	34.5	14.20–30.04	15.84	Weathered Sandstone	29/08/01	2.979	18.9 2.329 9.11 34.85	28.1 4.161 6.72 28.61	33.8 5.875 5.61 23.08	38.6 7.584 4.82 20.56	44.3 8.767 4.54 19.33	36.9 7.749 4.76 20.29	33.1 6.315 5.02 21.38	27.6 5.780 4.81 20.50	19.5 4.564 4.28 18.17	0.0 0.915 – –	– – – –	4.26E-02	4.12E-03	23.03	
9	109G	Baribour Porley Porley	36	36	24.12–36.00	11.88	Fissured Rhyolite	09/08/01	2.530	14.1 3.454 4.08 80.14	23.1 6.695 3.44 78.13	34.0 11.119 3.06 67.58	39.1 14.755 2.65 58.56	52.8 18.045 2.88 63.55	37.0 17.965 2.06 45.50	33.0 15.049 2.19 48.40	23.4 12.942 1.81 39.86	14.1 9.429 1.68 37.06	0.0 3.123 – –	– – – –	2.21E-01	2.95E-03	59.55	
10	110G	Baribour Trapeang Chan Kbal Damrei	42	35.9	7.9–11.06 15.02–23.14	11.08	Pleistocene sand	04/08/01	3.646	4.0 1.0020 0.479 –	6.9 16.948 0.404 –	9.6 19.2+ – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	–	–	–	B and C cannot be obtained due to large drawdown
11	008M	Memot Dar Dar Lech	39	37	20.16–36.00	15.84	Basement Rock	05/07/01	11.510	35.2 0.913 112.5 89.32	71.5 0.635 112.7 89.48	93.8 0.770 117.9 104.08	139.9 1.295 118.1 102.52	189.5 1.658 114.3 100.91	139.9 1.291 100.5 88.68	92.1 0.870 105.9 93.49	72.6 0.705 102.5 90.54	36.7 0.394 93.1 82.24	0.0 0.000 – –	– – – –	9.82E-03	-1.03E-06	96.50	
12	011M	Memot Dar Meask Puk	26	25.5	17.28–25.20	7.86	Fissured Basalt	14/08/01	9.100	48.0 0.915 152.4 87.16	96.0 0.868 159.1 91.84	144.0 1.627 89.5 50.63	192.0 2.279 84.2 48.19	240.0 3.135 76.6 43.79	192.0 2.819 68.1 38.96	144.0 2.335 61.7 35.28	96.0 1.579 60.8 34.76	48.0 0.971 49.4 28.28	– – – –	– – – –	5.72E-03	3.25E-06	47.65	
13	019M	Memot Dar Saseang Chheung	29	27	18.50–25.50	7.00	Sandstone	02/07/01	4.260	19.2 0.945 19.8 80.15	28.7 1.610 17.8 72.09	38.0 2.428 15.7 63.50	47.6 3.080 15.5 63.71	57.5 4.192 13.7 55.42	47.9 3.255 14.7 57.68	37.9 2.554 14.8 58.91	28.7 1.609 17.8 71.85	19.1 1.026 18.6 75.13	0.0 0.029 – –	– – – –	4.04E-02	5.47E-04	66.60	
14	046M	Memot Tox Lung Kbal Phear	28	27.5	5.70–13.62 17.58–25.50	15.84	Fissured Sandstone	20/08/01	0.650	48.0 1.238 38.6 110.89	96.0 3.388 25.4 81.11	144.0 5.051 23.7 82.19	192.0 6.668 23.5 82.39	240.0 7.880 30.4 87.00	192.0 7.501 25.6 73.21	144.0 6.811 21.1 60.41	96.0 5.795 16.6 47.30	48.0 4.208 11.4 32.65	0.0 2.468 – –	– – – –	2.86E-02	2.84E-05	70.02	
15	055M	Memot Tox Lung Sla Phnom	76	75	32.275–48.175 52.15–56.125 68.05–72.025	23.65	Basalt	26/08/01	28.780	8.9 2.500 3.56 50.57	18.3 5.469 3.34 47.42	28.8 13.061 2.21 31.43	38.4 20.572+ – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	1.81E-01	9.72E-03	42.14	Test suspended in Step-4 due to large drawdown

Table 4.2.4.1 Summary of Step-Drawdown Pumping Test (2/2)

Test Well No.	Village No.	District Name Coomune Name Village Name	Drilled Depth (m)	Well Depth (m)	Screen Depths (m)	Screen Length (m)	Aquifer Tapped	Date (dd/mm/yy)	Static Water Level (m)	Step-1 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-2 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-3 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-4 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-5 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-6 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-7 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-8 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-9 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-10 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Step-11 Q (m³/d) s (m) Sp (m²/d) Sw (%)	Aquifer Loss Coefficient B (s/m²)	Well Loss Coefficient C (s²/m⁵)	Average Well Efficiency (%)	Remarks
14	092 M	Memot Tremung Chhuk	32	25	15.04-22.0	6.96	Weathered Basalt	24/06/01	5.280	48.0 0.612 59.1 86.13	96.0 1.695 56.6 84.02	144.0 2.500 55.8 82.68	192.0 3.450 55.7 82.36	240.0 4.530 53.0 87.85	192.0 4.140 46.4 78.68	144.0 3.279 43.9 72.90	96.0 2.283 42.0 70.42	48.0 1.190 40.3 68.86	0.0 0.075 – –	– – – –	1.86E-02	5.81E-06	83.60	
17	108 M	Memot Kampoan Lavar	40.3	40.3	17.50-25.42 28.42-36.34	15.84	Weathered Sandstone	16/06/01	3.000	48.0 0.527 91.1 91.06	96.0 2.008 48.0 47.68	144.0 4.378 30.1 30.14	192.0 8.125 26.3 31.35	240.0 13.69 31.7 31.71	192.0 6.818 29.0 29.01	144.0 4.465 32.3 32.25	96.0 2.785 34.5 34.47	48.0 1.046 45.9 45.89	– – – –	– – – –	1.00E-02	1.09E-04	41.54	
18	115 M	Memot Kakor Kngaok	40	47	34.65-45.6	10.95	Fissured Basalt	16/06/01	9.630	48.0 3.780 12.7 87.24	72.0 5.938 12.1 83.24	96.0 9.308 10.3 70.98	120.0 11.194 10.7 70.20	144.0 14.230 10.1 69.52	120.0 13.212 9.1 68.40	96.0 10.236 9.4 64.40	72.0 7.088 10.2 70.09	48.0 4.250 11.3 77.59	– – – –	– – – –	6.87E-02	2.32E-04	72.85	
19	126 M	Memot Chroam Ta Mau Kantuot	52	27	11.12-15.08 19.04-25.0	9.92	Pliocene coarse sand & fine sand	26/06/01	12.620	9.6 0.405 23.7 87.19	19.2 0.910 21.1 86.40	28.8 1.370 21.0 86.08	38.2 1.850 20.7 84.73	42.9 2.225 19.2 78.82	38.1 1.900 19.2 78.82	28.6 1.430 20.0 82.08	19.2 0.965 19.9 81.22	9.6 0.456 21.0 86.13	0.0 0.000 – –	– – – –	4.10E-02	2.34E-04	84.62	
20	127 M	Memot Chroam Ta Mau Angkam	49.7	45.85	21.155-25.13 33.08-45.008	15.90	Fissured Sandstone	25/06/01	6.003	24.0 2.765 8.7 83.74	48.0 6.223 7.7 83.30	72.0 10.492 6.8 74.11	96.0 14.585 6.6 71.09	120.0 18.779 6.4 69.04	96.0 17.898 5.4 58.58	72.0 13.456 5.4 57.79	48.0 8.985 5.3 62.20	24.0 4.162 5.8 62.28	0.0 0.412 – –	– – – –	1.09E-01	4.37E-04	70.23	
21	171 M	Ponhea Kraek Popel Kreak	42	39.95	24.12-36.0	11.88	Pliocene medium sand	–	–	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	–	–	–	No test due to artesian well.
22	214 M	Steung Treng Preaek Kak Tuol Pro	97	94	27.3-49.225 61.15-91.025	31.90	Pliocene fine to medium sand	–	–	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	– – – –	–	–	–	No test due to artesian well.
23	248 M	Kbouch Chhnar Svay Khleang Phum Ti Pramnuoy	66	64	39.175-48.15 44.125-63.025	19.88	Pliocene fine to medium sand	27/07/01	6.226	48.3 0.547 98.9 101.87	96.0 0.975 109.6 124.88	142.4 1.304 109.2 129.08	190.2 1.545 123.2 141.76	218.3 1.630 120.5 130.56	181.1 1.710 105.9 121.68	133.6 1.422 93.9 108.03	84.7 1.082 91.7 106.81	47.6 0.634 75.1 88.37	0.0 0.246 – –	– – – –	1.15E-02	-1.87E-05	117.12	
24	264 M	Tboung Khmum Kor Veal Khnum	40	40	24.16-36.04	11.88	Pliocene fine sand	07/07/01	5.920	48.0 0.429 112.1 90.25	96.0 0.791 121.4 107.41	144.0 1.100 130.8 115.68	192.0 1.420 138.2 110.65	240.0 1.912 128.5 111.09	192.0 1.670 115.0 108.75	144.0 1.315 109.5 96.91	96.0 0.915 111.8 104.85	48.0 0.469 100.8 88.50	0.0 0.000 – –	– – – –	6.85E-03	-5.72E-06	104.86	
25	268 M	Tboung Khmum Mong Reng Mong Ti Pramaik	58.8	41	25.10-37.025	11.93	Pliocene coarse sand	11/07/01	1.050	94.9 0.295 320.7 100.05	139.8 0.429 325.5 104.55	185.5 0.519 357.5 111.53	229.0 0.660 347.4 100.39	271.0 0.832 326.7 104.93	239.3 0.718 334.2 104.04	193.2 0.648 278.1 96.76	135.0 0.480 293.4 91.53	92.2 0.328 291.1 92.71	0.0 0.011 – –	– – – –	3.12E-03	-7.23E-07	99.30	
26	273 M	Tboung Khmum Anhchanum Dhea Toal Chrum	35	23.25	11.09-19.0	7.92	Basalt	10/07/01	1.570	58.1 1.385 41.4 11.27	87.5 1.568 40.1 11.72	118.4 2.248 34.8 9.50	91.7 2.653 31.1 9.45	98.4 3.790 26.0 7.66	81.7 3.295 27.8 7.53	77.3 2.712 28.5 7.75	63.4 2.345 28.7 7.81	50.8 1.968 29.0 7.88	0.0 0.000 – –	– – – –	2.72E-03	2.39E-04	8.78	
27	321 M	Du Reang Ov Rong Chey Cheung Vost	100	93	48.44-61.32 73.16-89.06	23.76	Pliocene fine to coarse sand	06/08/01	7.379	48.0 0.131 368.4 105.16	94.8 0.192 492.8 141.71	133.3 0.245 544.3 156.20	182.0 0.280 665.7 186.80	240.0 0.315 761.9 215.67	192.0 0.271 709.5 203.24	144.0 0.231 623.4 178.91	96.0 0.189 503.9 145.78	48.0 0.152 315.8 90.63	0.0 0.001 – –	– – – –	2.87E-03	-7.01E-07	159.69	
28	337 M	Du Reang Ov Tuol Sophy Thma Da Leuh	39	39.4	18.125-36.0	17.88	Weathered Basalt	16/07/01	5.621	58.0 4.450 8.5 74.40	87.4 6.269 7.8 65.67	57.0 7.318 7.4 64.08	67.1 9.292 7.2 62.94	73.9 11.366 6.9 56.71	65.7 10.539 6.3 55.04	56.7 9.030 6.2 53.75	48.4 7.786 6.2 54.16	37.7 6.427 5.9 51.19	0.0 1.573 – –	– – – –	6.70E-02	6.52E-04	59.85	
29	353 M	Chamkar Leu Loeu Leau Lvea Cheung	60	46	26.2-42.04	15.84	Pliocene fine to medium sand	01/08/01	5.632	23.6 0.300 78.6 75.86	69.8 0.648 106.2 104.78	113.7 1.362 82.3 78.04	179.0 2.539 70.5 67.55	264.0 4.887 54.4 52.07	184.7 3.319 55.7 53.06	121.9 2.226 54.7 52.41	67.0 1.197 56.1 55.70	22.4 0.668 46.1 44.19	0.0 0.242 – –	– – – –	9.50E-03	2.92E-05	64.56	
30	376 M	Cheung Prey Khnar Dambang Knaer Dambang	100	25	13.08-17.08 19.04-23.0	7.92	Pliocene fine to medium sand	21/07/01	3.110	37.1 1.080 18.6 87.02	69.0 2.621 19.3 85.44	80.0 3.250 19.3 85.50	68.1 4.149 18.7 77.82	93.6 5.077 16.5 76.87	69.8 4.122 16.9 78.04	61.1 3.892 15.7 79.26	48.8 2.677 17.5 81.33	36.9 1.915 20.4 85.04	0.0 0.271 – –	– – – –	4.87E-02	1.86E-04	82.41	

Table 4.2.4.2 Summary of Continuous Pumping Test and Recovery Test (1/2)

Test Well No.	Village No.	District Name Commune Name Village Name	Drilled Depth (m)	Well Depth (m)	Screen Depths (m)	Screen Length (m)	Aquifer Tapped	Continuous Pumping Test						Result of Analysis					Remarks
								Date	Static Water Level	Pumping Rate, Q	Pumping Duration	Final Drawdown, s	Specific Capacity, Sc	Cooper-Jacob Method			Recovery Method		
														T	K_{av}	S	T	K_{av}	
								(dd/mm/yy)	(m)	(m^3/day)	(hours)	(m)	(m^3/day)	(m^2/day)	(m/day)		(m^2/day)	(m/day)	
1	055G	Kg Trolaech Dhnak Sa Trapeang Khtam	51	47	23.15–43.025	19.85	Fissured Rhyolite	05/06/01	4.200	57.60	48	12.880	4.472	4.713	0.227	4.95E-03	3.630	0.183	
2	045G	Kg Trolaech Chress Prey Plo	67	36	20.1–24.075 28.05–32.04	7.92	Fissured Sandstone	29/05/01	2.665	23.04	48	17.127	1.344	1.998	0.251	3.02E-05	1.643	0.207	
3	061G	Kg Trolaech Tas Chress Sempoor	65	52	12.40–24.28 32.20–36.16 44.08–48.04	19.80	Pleistocene sand & Sandstone	25/09/01	2.740	15.00	48	12.758	1.172	0.894	0.048	7.01E-02	0.899	0.025	
4	072G	Rolea Bier Krang Leav Tuek L'ak	23	22	12.08–20.00	7.92	Fissured Sandstone	20/09/01	2.640	63.39	48	4.485	14.10	10.51	1.327	4.09E+00	13.64	1.722	
5	062G	Rolea Bier Preneb Preneb	68	62	44.11–48.05 52.05–59.025	9.94	Fissured Sandstone	24/05/01	2.600	11.52	48	45.000	0.256	0.126	0.014	1.61E-01	0.124	0.012	Pumped only for 42 hours due to large drawdown.
6	065G	Rolea Bier Snae Thnal Chamlar Ta Mau	33	24	12.12–20.04	7.92	Weathered Sandstone	16/09/01	1.311	27.96	48	7.246	3.906	3.970	0.501	1.32E-02	2.816	0.356	
7	162G	Sasoukki Mean Chey Seedthei Peareach	65.6	64	30.30–32.28 44.16–60.00	17.82	Fissured Sandstone	11/09/01	10.150	10.94	1	25.980	0.403	0.0855	0.005	1.12E-01	-	-	Pumped only for 1 hour due to large drawdown. T not obtained by Recovery Test.
8	168G	Sasoukki Mean Chey Tbaeng Khpos Tbaeng Khpos	41	34.5	14.20–30.04	15.84	Weathered Sandstone	30/09/01	2.979	27.74	48	6.640	4.178	3.226	0.204	1.92E-01	4.332	0.273	
9	109G	Banteay Ponley Ponley	39	38	24.12–36.00	11.88	Fissured Rhyolite	10/09/01	2.530	27.96	48	13.264	2.100	1.903	0.160	1.56E-02	1.386	0.117	
10	197G	Banteay Trapeang Chan Kbal Damrei	42	26.9	7.9–11.86 15.82–23.74	11.92	Pleistocene sand	13/09/01	3.650	2.740	16	19.279	0.194	0.073	0.008	1.71E-01	0.127	0.011	Pumped only for 16 hours due to large drawdown.
11	006M	Memot Dar Dar Lech	39	37	20.16–36.00	15.84	Basement Rock	06/07/01	11.510	192.0	48	1.659	115.8	361.6	22.83	1.70E-12	166.4	10.51	
12	015M	Memot Dar Meaek Puk	28	25.5	17.25–25.20	7.95	Fissured Basalt	15/06/01	9.100	192.0	48	3.682	52.00	39.40	4.956	2.53E+00	64.03	11.83	
13	019M	Memot Dar Sonsong Chheung	29	27	19.50–25.50	7.00	Sandstone	03/07/01	4.260	38.40	48	2.049	18.74	48.57	6.939	2.19E-10	21.40	3.057	
14	046M	Memot Ton Lung Kdol Phear	29	27.5	5.70–13.62 17.59–25.50	15.84	Fissured Sandstone	21/06/01	0.650	192.0	48	13.21	14.53	7.445	0.470	1.51E+01	14.84	0.937	Groundwater Level fluctuated
15	058M	Memot Ton Lung Sla Phnum	76	75	32.275–48.175 52.15–56.125 68.05–72.025	23.85	Basalt	02/07/01	29.353	14.40	48	4.975	2.894	6.777	0.294	8.92E-10	2.303	0.097	

Table 4.2.4.2 Summary of Continuous Pumping Test and Recovery Test (2/2)

Test Well No.	Village No.	District Name Commune Name Village Name	Drilled Depth (m)	Well Depth (m)	Screen Depths (m)	Screen Length (m)	Aquifer Tapped	Continuous Pumping Test						Result of Analysis					Remarks
														Cooper-Jacob Method			Recovery Method		
								Date	Static Water Level	Pumping Rate, Q	Pumping Duration	Final Drawdown, s	Specific Capacity, Sc	T	K_{ph}	S'	T	K_{ph}	
								(dd/mm/yy)	(m)	(m^3/day)	(hours)	(m)	(m^3/day)	(m^2/day)	(m/day)		(m^2/day)	(m/day)	
16	052M	Memot Tremung Chhuk	32	25	15.04-22.0	6.96	Weathered Basalt	25/06/01	5.280	192.0	48	3.975	48.04	101.9	14.64	4.15E-06	495.2	71.15	Max. Drawdown was 4.133 m at 780 min., then GWL Fluctuated
17	101 M	Memot Kampean Leur	40.3	40.3	17.50-25.42 28.42-38.34	15.84	Weathered Sandstone	19/06/01	3.000	192.0	48	6.121	31.37	54.87	3.470	1.13E-05	44.79	2.828	
18	115 M	Memot Kokir Kngaok	48	47	34.65-45.6	10.95	Fissured Basalt	16/07/01	9.630	120.0	48	11.065	10.56	58.43	5.336	2.86E-06	30.69	2.800	Max. Drawdown was 11.710 m at 900 min., then GWL Fluctuated
19	126 M	Memot Chisen Ta Mav Kantuot	52	27	11.12-15.09 19.04-25.0	8.92	Pliocene coarse sand & fine sand	28/06/01	12.620	38.40	48	1.857	20.68	75.27	7.588	5.88E-17	31.24	3.149	Max. Drawdown was 14.490 m at 780 min., then GWL Fluctuated
20	127 M	Memot Chisen Ta Mav Angkaen	49.7	49.69	21.155-25.13 33.09-45.005	15.90	Fissured Sandstone	26/06/01	6.000	96.00	48	14.056	6.686	17.84	1.122	4.32E-11	4.554	0.286	
21	171 M	Ponhea Kraek Popel Khsak	42	39.95	24.12-36.0	11.89	Pliocene medium sand	-	(above GL)	-	-	-	-	-	-	-	-	-	No Pumping Test due to Artesian Well
22	214 M	Steung Trang Preaek Kak Tuol Pou	97	94	37.3-49.225 61.15-81.025	31.80	Pliocene fine to medium sand	-	(above GL)	-	-	-	-	-	-	-	-	-	No Pumping Test due to Artesian Well
23	248 M	Kravach Chhmar Svay Khleang Phum Ti Pramnuoy	68	64	36.175-40.15 44.125-60.025	19.80	Pliocene fine to medium sand	28/07/01	6.400	165.2	48	1.585	116.1	280.5	14.11	5.92E-09	105.5	5.309	
24	264 M	Tbaung Khmum Kor Veal Khmum	40	40	24.16-36.04	11.88	Pliocene fine sand	09/07/01	5.920	192.0	48	1.675	114.6	422.4	25.56	4.23E-15	256.8	21.60	
25	268 M	Tbaung Khmum Mong Reng Mong Ti Pramir	55.6	41	25.10-37.025	11.93	Pliocene coarse sand	12/07/01	1.050	229.9	48	0.781	302.0	590.1	49.85	1.67E-05	1044.5	97.59	
26	273 M	Tbaung Khmum Ashchaeum Chheu Teal Chrum	35	23.25	11.06-19.0	7.92	Basalt	11/07/01	1.570	91.97	48	3.295	27.88	62.78	9.053	1.02E-09	125.5	15.85	
27	321 M	Ou Reang Ov Kong Chey Cheung Voat	100	93	49.44-61.32 77.16-88.04	23.76	Pliocene fine to coarse sand	07/08/01	7.279	2400	48	0.258	670.4	1285.2	54.09	9.03E-04	870.4	36.97	
28	337 M	Ou Reang Ov Tuol Sophy Thma Da Leuh	38	38.4	18.125-38.0	17.88	Weathered Basalt	17/07/01	5.621	61.44	48	10.911	5.631	6.284	0.258	1.94E-03	6.572	0.368	
29	360 M	Chamkar Leu Lvea Leav Lvea Cheang	60	46	28.2-42.04	15.84	Pliocene fine to medium sand	02/08/01	5.632	180.0	48	3.608	49.89	61.42	3.878	3.05E-02	61.53	3.884	
30	378 M	Cheung Prey Khnor Dambang Kraor Dambang	100	25	13.08-17.04 19.04-23.0	7.92	Pliocene fine to medium sand	22/07/01	3.110	69.88	48	4.414	15.83	36.85	4.665	3.33E-09	16.17	2.042	