

**APPENDIX C**  
**WATER PRESSURE TEST**



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Table C-1 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BS1

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY PART 1

BORE HOLE NUMBER: Main damsite BS1, PART-1

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERNEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
2.50	5.00	2.50	6.6	1.0	3.00	1.20	0.00	14.20	101.4	3.3E-03	285.6	1
5.00	10.00	5.00	6.6	1.0	3.00	1.20	0.00	14.20	1.6	3.0E-05	2.3	1
5.00	10.00	5.00	6.6	4.0	3.00	1.20	0.00	44.20	3.8	2.3E-05	1.7	2
5.00	10.00	5.00	6.6	7.0	3.00	1.20	0.00	74.20	6.4	2.3E-05	1.7	3
5.00	10.00	5.00	6.6	10.0	3.00	1.20	0.00	104.20	7.3	1.9E-05	1.4	4
5.00	10.00	5.00	6.6	7.0	3.00	1.20	0.00	74.20	6.5	2.3E-05	1.8	5
5.00	10.00	5.00	6.6	4.0	3.00	1.20	0.00	44.20	3.9	2.4E-05	1.8	6
5.00	10.00	5.00	6.6	1.0	3.00	1.20	0.00	14.20	1.7	3.2E-05	2.4	7
10.00	15.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	0.4	7.2E-06	0.5	1
10.00	15.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	1.0	6.0E-06	0.4	2
10.00	15.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	1.8	6.4E-06	0.5	3
10.00	15.00	5.00	6.6	10.0	3.50	1.20	0.00	104.70	2.6	6.6E-06	0.5	4
10.00	15.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	1.9	6.8E-06	0.5	5
10.00	15.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	1.2	7.2E-06	0.5	6
10.00	15.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	0.5	9.1E-06	0.7	7
15.00	20.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	2.7	4.9E-05	3.7	1
15.00	20.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	4.8	2.9E-05	2.1	2
15.00	20.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	8.3	3.0E-05	2.2	3
15.00	20.00	5.00	6.6	10.0	3.50	1.20	0.00	104.70	11.8	3.0E-05	2.3	4
15.00	20.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	8.8	3.1E-05	2.4	5
15.00	20.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	5.1	3.0E-05	2.3	6
15.00	20.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	2.8	5.1E-05	3.8	7
20.00	25.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	1.1	2.0E-05	1.5	1
20.00	25.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	3.2	1.9E-05	1.4	2
20.00	25.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	4.7	1.7E-05	1.3	3
20.00	25.00	5.00	6.6	10.0	3.50	1.20	0.00	104.70	5.6	1.4E-05	1.1	4
20.00	25.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	4.4	1.6E-05	1.2	5
20.00	25.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	2.9	1.7E-05	1.3	6
20.00	25.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	0.9	1.6E-05	1.2	7
25.00	30.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	0.8	1.4E-05	1.1	1
25.00	30.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	1.5	8.9E-06	0.7	2
25.00	30.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	3.5	1.2E-05	0.9	3
25.00	30.00	5.00	6.6	10.0	3.50	1.20	0.00	104.70	4.4	1.1E-05	0.8	4
25.00	30.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	3.4	1.2E-05	0.9	5
25.00	30.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	1.3	7.7E-06	0.6	6
25.00	30.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	0.7	1.3E-05	1.0	7

Table C-2 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BS2

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY PART 1

BORE HOLE NUMBER: Main damsite BS2, PART-1

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
2.00	5.00	3.00	6.6	1.0	0.00	2.50	0.00	12.50	3.2	1.0E-04	8.5	1
2.00	5.00	3.00	6.6	4.0	0.00	2.50	0.00	42.50	9.6	9.0E-05	7.5	2
2.00	5.00	3.00	6.6	7.0	0.00	2.50	0.00	72.50	15.7	8.6E-05	7.2	3
2.00	5.00	3.00	6.6	10.0	0.00	2.50	0.00	102.50	21.4	8.3E-05	7.0	4
2.00	5.00	3.00	6.6	7.0	0.00	2.50	0.00	72.50	15.8	8.7E-05	7.3	5
2.00	5.00	3.00	6.6	4.0	0.00	2.50	0.00	42.50	9.9	9.3E-05	7.8	6
2.00	5.00	3.00	6.6	1.0	0.00	2.50	0.00	12.50	3.4	1.1E-04	9.1	7
5.00	10.00	5.00	6.6	1.0	2.50	2.50	0.00	15.00	13.1	2.3E-04	17.5	1
5.00	10.00	5.00	6.6	4.0	2.50	2.50	0.00	45.00	43.4	2.6E-04	19.3	2
5.00	10.00	5.00	6.6	7.0	2.50	2.50	0.00	75.00	78.8	2.8E-04	21.0	3
5.00	10.00	5.00	6.6	10.0	2.50	2.50	0.00	105.00	103.8	2.6E-04	19.8	4
5.00	10.00	5.00	6.6	7.0	2.50	2.50	0.00	75.00	78.9	2.8E-04	21.0	5
5.00	10.00	5.00	6.6	4.0	2.50	2.50	0.00	45.00	42.8	2.5E-04	19.0	6
5.00	10.00	5.00	6.6	1.0	2.50	2.50	0.00	15.00	13.0	2.3E-04	17.3	7
15.00	20.00	5.00	6.6	1.0	1.00	2.50	0.00	13.50	7.3	1.4E-04	10.8	1
15.00	20.00	5.00	6.6	4.0	1.00	2.50	0.00	43.50	25.8	1.6E-04	11.9	2
15.00	20.00	5.00	6.6	7.0	1.00	2.50	0.00	73.50	43.5	1.6E-04	11.8	3
15.00	20.00	5.00	6.6	10.0	1.00	2.50	0.00	103.50	59.2	1.5E-04	11.4	4
15.00	20.00	5.00	6.6	7.0	1.00	2.50	0.00	73.50	41.1	1.5E-04	11.2	5
15.00	20.00	5.00	6.6	4.0	1.00	2.50	0.00	43.50	25.1	1.5E-04	11.5	6
15.00	20.00	5.00	6.6	1.0	1.00	2.50	0.00	13.50	6.9	1.4E-04	10.2	7
20.00	25.00	5.00	6.6	1.0	1.00	2.50	0.00	13.50	2.8	5.5E-05	4.1	1
20.00	25.00	5.00	6.6	4.0	1.00	2.50	0.00	43.50	10.4	6.4E-05	4.8	2
20.00	25.00	5.00	6.6	7.0	1.00	2.50	0.00	73.50	16.5	6.0E-05	4.5	3
20.00	25.00	5.00	6.6	10.0	1.00	2.50	0.00	103.50	23.3	6.0E-05	4.5	4
20.00	25.00	5.00	6.6	7.0	1.00	2.50	0.00	73.50	16.3	5.9E-05	4.4	5
20.00	25.00	5.00	6.6	4.0	1.00	2.50	0.00	43.50	10.1	6.2E-05	4.6	6
20.00	25.00	5.00	6.6	1.0	1.00	2.50	0.00	13.50	2.7	5.3E-05	4.0	7
25.00	30.00	5.00	6.6	1.0	1.00	2.50	0.00	13.50	2.1	4.1E-05	3.1	1
25.00	30.00	5.00	6.6	4.0	1.00	2.50	0.00	43.50	5.3	3.2E-05	2.4	2
25.00	30.00	5.00	6.6	7.0	1.00	2.50	0.00	73.50	10.1	3.7E-05	2.7	3
25.00	30.00	5.00	6.6	10.0	1.00	2.50	0.00	103.50	18.4	4.7E-05	3.6	4
25.00	30.00	5.00	6.6	7.0	1.00	2.50	0.00	73.50	9.8	3.6E-05	2.7	5
25.00	30.00	5.00	6.6	4.0	1.00	2.50	0.00	43.50	4.9	3.0E-05	2.3	6
25.00	30.00	5.00	6.6	1.0	1.00	2.50	0.00	13.50	1.7	3.4E-05	2.5	7

Table C-3 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BS3

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY PART 1

BORE HOLE NUMBER: Main damsite BS3, PART-1

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm2	m	m	m	m	l/min	cm/sec	-	no
3.00	5.00	2.00	6.6	1.0	4.00	1.20	0.00	15.20	4.8	1.7E-04	15.8	1
3.00	5.00	2.00	6.6	4.0	4.00	1.20	0.00	45.20	11.6	1.4E-04	12.8	2
5.00	10.00	5.00	6.6	1.0	4.00	1.20	0.00	15.20	1.5	2.6E-05	2.0	1
5.00	10.00	5.00	6.6	4.0	4.00	1.20	0.00	45.20	3.2	1.9E-05	1.4	2
5.00	10.00	5.00	6.6	7.0	4.00	1.20	0.00	75.20	5.7	2.0E-05	1.5	3
5.00	10.00	5.00	6.6	10.0	4.00	1.20	0.00	105.20	8.3	2.1E-05	1.6	4
5.00	10.00	5.00	6.6	7.0	4.00	1.20	0.00	75.20	5.4	1.9E-05	1.4	5
5.00	10.00	5.00	6.6	4.0	4.00	1.20	0.00	45.20	2.9	1.7E-05	1.3	6
5.00	10.00	5.00	6.6	1.0	4.00	1.20	0.00	15.20	1.3	2.3E-05	1.7	7
10.00	15.00	5.00	6.6	1.0	9.00	1.20	0.00	20.20	2.6	3.4E-05	2.6	1
10.00	15.00	5.00	6.6	4.0	9.00	1.20	0.00	50.20	5.1	2.7E-05	2.0	2
10.00	15.00	5.00	6.6	7.0	9.00	1.20	0.00	80.20	8.8	2.9E-05	2.2	3
10.00	15.00	5.00	6.6	10.0	9.00	1.20	0.00	110.20	13.0	3.1E-05	2.4	4
10.00	15.00	5.00	6.6	7.0	9.00	1.20	0.00	80.20	8.5	2.8E-05	2.1	5
10.00	15.00	5.00	6.6	4.0	9.00	1.20	0.00	50.20	4.9	2.6E-05	2.0	6
10.00	15.00	5.00	6.6	1.0	9.00	1.20	0.00	20.20	2.6	3.4E-05	2.6	7
15.00	20.00	5.00	6.6	1.0	9.00	1.20	0.00	20.20	1.8	2.4E-05	1.8	1
15.00	20.00	5.00	6.6	4.0	9.00	1.20	0.00	50.20	4.3	2.3E-05	1.7	2
15.00	20.00	5.00	6.6	7.0	9.00	1.20	0.00	80.20	6.9	2.3E-05	1.7	3
15.00	20.00	5.00	6.6	10.0	9.00	1.20	0.00	110.20	9.6	2.3E-05	1.7	4
15.00	20.00	5.00	6.6	7.0	9.00	1.20	0.00	80.20	7.2	2.4E-05	1.8	5
15.00	20.00	5.00	6.6	4.0	9.00	1.20	0.00	50.20	4.7	2.5E-05	1.9	6
15.00	20.00	5.00	6.6	1.0	9.00	1.20	0.00	20.20	2.4	3.2E-05	2.4	7
20.00	25.00	5.00	6.6	1.0	10.00	1.20	0.00	21.20	0.7	8.8E-06	0.7	1
20.00	25.00	5.00	6.6	4.0	10.00	1.20	0.00	51.20	1.5	7.8E-06	0.6	2
20.00	25.00	5.00	6.6	7.0	10.00	1.20	0.00	81.20	2.5	8.2E-06	0.6	3
20.00	25.00	5.00	6.6	10.0	10.00	1.20	0.00	111.20	3.7	8.9E-06	0.7	4
20.00	25.00	5.00	6.6	7.0	10.00	1.20	0.00	81.20	2.6	8.5E-06	0.6	5
20.00	25.00	5.00	6.6	4.0	10.00	1.20	0.00	51.20	1.7	8.8E-06	0.7	6
20.00	25.00	5.00	6.6	1.0	10.00	1.20	0.00	21.20	0.9	1.1E-05	0.8	7
25.00	30.00	5.00	6.6	1.0	13.00	1.20	0.00	24.20	0.5	5.5E-06	0.4	1
25.00	30.00	5.00	6.6	4.0	13.00	1.20	0.00	54.20	1.3	6.4E-06	0.5	2
25.00	30.00	5.00	6.6	7.0	13.00	1.20	0.00	84.20	1.8	5.7E-06	0.4	3
25.00	30.00	5.00	6.6	10.0	13.00	1.20	0.00	114.20	2.3	5.4E-06	0.4	4
25.00	30.00	5.00	6.6	7.0	13.00	1.20	0.00	84.20	1.8	5.7E-06	0.4	5
25.00	30.00	5.00	6.6	4.0	13.00	1.20	0.00	54.20	1.2	5.9E-06	0.4	6
25.00	30.00	5.00	6.6	1.0	13.00	1.20	0.00	24.20	0.5	5.5E-06	0.4	7

Table C-4 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM4

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM4

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
5.00	10.00	5.00	6.6	1.0	7.80	0.50	0.00	18.30	1.9	2.8E-05	2.1	1
5.00	10.00	5.00	6.6	4.0	7.80	0.50	0.01	48.29	4.9	2.7E-05	2.0	2
5.00	10.00	5.00	6.6	7.0	7.80	0.50	0.02	78.28	8.3	2.8E-05	2.1	3
5.00	10.00	5.00	6.6	10.0	7.80	0.50	0.05	108.25	12.5	3.1E-05	2.3	4
5.00	10.00	5.00	6.6	7.0	7.80	0.50	0.02	78.28	7.2	2.5E-05	1.8	5
5.00	10.00	5.00	6.6	4.0	7.80	0.50	0.00	48.30	3.8	2.1E-05	1.6	6
5.00	10.00	5.00	6.6	1.0	7.80	0.50	0.00	18.30	1.5	2.2E-05	1.7	7
10.00	15.00	5.00	6.6	1.0	9.10	0.55	0.00	19.65	1.6	2.2E-05	1.7	1
10.00	15.00	5.00	6.6	4.0	9.10	0.55	0.01	49.64	4.3	2.3E-05	1.7	2
10.00	15.00	5.00	6.6	7.0	9.10	0.55	0.04	79.61	7.9	2.7E-05	2.0	3
10.00	15.00	5.00	6.6	10.0	9.10	0.55	0.08	109.57	11.0	2.7E-05	2.0	4
10.00	15.00	5.00	6.6	7.0	9.10	0.55	0.04	79.61	8.1	2.7E-05	2.0	5
10.00	15.00	5.00	6.6	4.0	9.10	0.55	0.01	49.64	3.8	2.0E-05	1.5	6
10.00	15.00	5.00	6.6	1.0	9.10	0.55	0.00	19.65	1.4	1.9E-05	1.5	7



Table C-5 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM5

RESULT OF WATER PRESSURE TEST  
BERIS RIVER FESIBILITY STUDY  
BORE HOLE NUMBER: Main damsite BM5

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP no
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
5.00	10.00	5.00	6.6	1.0	4.21	0.78	0.00	14.99	0.8	1.5E-05	1.1	1
5.00	10.00	5.00	6.6	2.0	4.21	0.78	0.00	24.99	1.4	1.4E-05	1.1	2
5.00	10.00	5.00	6.6	4.0	4.21	0.78	0.02	44.97	6.8	4.0E-05	3.0	3
5.00	10.00	5.00	6.6	6.0	4.21	0.78	0.14	64.85	20.7	8.5E-05	6.4	4
5.00	10.00	5.00	6.6	4.0	4.21	0.78	0.02	44.97	7.2	4.2E-05	3.2	5
5.00	10.00	5.00	6.6	2.0	4.21	0.78	0.00	24.99	2.8	3.0E-05	2.2	6
5.00	10.00	5.00	6.6	1.0	4.21	0.78	0.00	14.99	1.6	2.8E-05	2.1	7
10.00	15.00	5.00	6.6	1.0	5.10	0.39	0.03	15.46	7.1	1.2E-04	9.1	1
10.00	15.00	5.00	6.6	4.0	5.10	0.39	0.09	45.40	11.6	6.6E-05	5.1	2
10.00	15.00	5.00	6.6	7.0	5.10	0.39	0.32	75.17	21.8	7.7E-05	5.8	3
10.00	15.00	5.00	6.6	10.0	5.10	0.39	2.88	102.61	65.1	1.7E-04	12.7	4
10.00	15.00	5.00	6.6	7.0	5.10	0.39	1.44	74.05	46.0	1.7E-04	12.4	5
10.00	15.00	5.00	6.6	4.0	5.10	0.39	0.44	45.05	25.4	1.5E-04	11.3	6
10.00	15.00	5.00	6.6	1.0	5.10	0.39	0.06	15.43	9.4	1.6E-04	12.2	7
15.00	20.00	5.00	6.6	1.0	8.00	0.86	0.00	18.86	0.5	6.6E-06	0.5	1
15.00	20.00	5.00	6.6	4.0	8.00	0.86	0.00	48.86	1.3	7.3E-06	0.5	2
15.00	20.00	5.00	6.6	7.0	8.00	0.86	0.08	78.78	9.0	3.0E-05	2.3	3
15.00	20.00	5.00	6.6	10.0	8.00	0.86	0.13	108.73	11.2	2.8E-05	2.1	4
15.00	20.00	5.00	6.6	7.0	8.00	0.86	0.09	78.77	9.2	3.1E-05	2.3	5
15.00	20.00	5.00	6.6	4.0	8.00	0.86	0.01	48.85	2.3	1.3E-05	1.0	6
15.00	20.00	5.00	6.6	1.0	8.00	0.86	0.00	18.86	1.0	1.4E-05	1.1	7
20.00	25.00	5.00	6.6	1.0	7.80	0.79	0.00	18.59	1.6	2.3E-05	1.7	1
20.00	25.00	5.00	6.6	4.0	7.80	0.79	0.03	48.56	5.0	2.7E-05	2.0	2
20.00	25.00	5.00	6.6	7.0	7.80	0.79	0.07	78.52	7.3	2.5E-05	1.9	3
20.00	25.00	5.00	6.6	10.0	7.80	0.79	0.20	108.39	12.1	3.0E-05	2.2	4
20.00	25.00	5.00	6.6	7.0	7.80	0.79	0.05	78.54	6.0	2.0E-05	1.5	5
20.00	25.00	5.00	6.6	4.0	7.80	0.79	0.02	48.57	3.7	2.0E-05	1.5	6
20.00	25.00	5.00	6.6	1.0	7.80	0.79	0.00	18.59	1.9	2.7E-05	2.0	7
25.00	30.00	5.00	6.6	1.0	9.61	0.78	0.00	20.39	1.5	1.9E-05	1.4	1
25.00	30.00	5.00	6.6	4.0	9.61	0.78	0.03	50.36	3.9	2.1E-05	1.6	2
25.00	30.00	5.00	6.6	7.0	9.61	0.78	0.07	80.32	6.2	2.1E-05	1.6	3
25.00	30.00	5.00	6.6	10.0	9.61	0.78	0.23	110.16	11.6	2.8E-05	2.1	4
25.00	30.00	5.00	6.6	7.0	9.61	0.78	0.08	80.31	6.8	2.3E-05	1.7	5
25.00	30.00	5.00	6.6	4.0	9.61	0.78	0.03	50.36	4.3	2.3E-05	1.7	6
25.00	30.00	5.00	6.6	1.0	9.61	0.78	0.01	20.38	1.9	2.4E-05	1.8	7

Table C-6 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM6

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM6

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
5.00	10.00	5.00	6.6	1.0	4.00	0.74	0.02	14.72	8.5	1.5E-04	11.6	1
5.00	10.00	5.00	6.6	2.0	4.00	0.74	0.06	24.68	13.2	1.4E-04	10.7	2
5.00	10.00	5.00	6.6	4.0	4.00	0.74	0.14	44.60	20.0	1.2E-04	9.0	3
5.00	10.00	5.00	6.6	7.0	4.00	0.74	0.21	74.53	25.0	8.9E-05	6.7	4
5.00	10.00	5.00	6.6	4.0	4.00	0.74	0.10	44.64	17.3	1.0E-04	7.8	5
5.00	10.00	5.00	6.6	2.0	4.00	0.74	0.04	24.70	10.2	1.1E-04	8.3	6
5.00	10.00	5.00	6.6	1.0	4.00	0.74	0.01	14.73	5.2	9.4E-05	7.1	7
10.00	15.00	5.00	6.6	1.0	3.80	0.70	0.07	14.43	10.4	1.9E-04	14.4	1
10.00	15.00	5.00	6.6	2.0	3.80	0.70	0.17	24.33	15.8	1.7E-04	13.0	2
10.00	15.00	5.00	6.6	4.0	3.80	0.70	0.34	44.16	22.2	1.3E-04	10.1	3
10.00	15.00	5.00	6.6	7.0	3.80	0.70	0.50	74.00	27.2	9.8E-05	7.4	4
10.00	15.00	5.00	6.6	4.0	3.80	0.70	0.26	44.24	19.5	1.2E-04	8.8	5
10.00	15.00	5.00	6.6	2.0	3.80	0.70	0.09	24.41	11.8	1.3E-04	9.7	6
10.00	15.00	5.00	6.6	1.0	3.80	0.70	0.04	14.46	8.0	1.5E-04	11.1	7

Table C-7 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM7

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM7

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READINGS	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/set	-	no
1.60	5.00	3.40	6.6	1.0	0.00	1.50	0.00	11.50	1.6	4.9E-05	4.0	1
1.60	5.00	3.40	6.6	2.0	0.00	1.50	0.00	21.50	5.9	9.9E-05	8.0	2
1.60	5.00	3.40	6.6	3.0	0.00	1.50	0.01	31.49	10.4	1.2E-04	9.7	3
1.60	5.00	3.40	6.6	2.0	0.00	1.50	0.00	21.50	5.3	8.9E-05	7.3	4
1.60	5.00	3.40	6.6	1.0	0.00	1.50	0.00	11.50	1.6	5.1E-05	4.1	5
5.00	10.00	5.00	6.6	1.0	0.00	1.20	0.01	11.19	4.5	1.1E-04	8.0	1
5.00	10.00	5.00	6.6	2.0	0.00	1.20	0.02	21.18	7.8	9.8E-05	7.4	2
5.00	10.00	5.00	6.6	4.0	0.00	1.20	0.05	41.15	12.3	7.9E-05	6.0	3
5.00	10.00	5.00	6.6	2.0	0.00	1.20	0.03	21.17	8.6	1.1E-04	8.1	4
5.00	10.00	5.00	6.6	1.0	0.00	1.20	0.01	11.19	5.3	1.3E-04	9.5	5
10.00	15.00	5.00	6.6	1.0	0.00	1.25	0.30	10.95	20.9	5.1E-04	38.2	1
10.00	15.00	5.00	6.6	2.0	0.00	1.25	0.70	20.55	32.1	4.2E-04	31.2	2
10.00	15.00	5.00	6.6	4.0	0.00	1.25	1.22	40.03	42.4	2.8E-04	21.2	3
10.00	15.00	5.00	6.6	2.0	0.00	1.25	0.39	20.86	24.0	3.1E-04	23.0	4
10.00	15.00	5.00	6.6	1.0	0.00	1.25	0.20	11.05	17.1	4.1E-04	31.0	5
15.00	20.00	5.00	6.6	1.0	0.00	1.25	0.04	11.21	6.6	1.6E-04	11.8	1
15.00	20.00	5.00	6.6	2.0	0.00	1.25	0.22	21.03	14.7	1.9E-04	14.0	2
15.00	20.00	5.00	6.6	4.0	0.00	1.25	0.83	40.42	28.5	1.9E-04	14.1	3
15.00	20.00	5.00	6.6	6.0	0.00	1.25	2.27	58.98	47.1	2.1E-04	16.0	4
15.00	20.00	5.00	6.6	4.0	0.00	1.25	0.91	40.34	29.9	2.0E-04	14.8	5
15.00	20.00	5.00	6.6	2.0	0.00	1.25	0.24	21.01	15.5	2.0E-04	14.7	6
15.00	20.00	5.00	6.6	1.0	0.00	1.25	0.05	11.20	7.0	1.7E-04	12.5	7

Table C-8 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM8 (1/2)

RESULT OF WATER PRESSURE TEST  
BERIS RIVER FESIBILITY STUDY  
BORE HOLE NUMBER: Main damsite BM8

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
3.35	8.50	5.15	6.6	1.0	0.00	1.20	0.01	11.19	7.1	1.7E-04	12.3	1
3.35	8.50	5.15	6.6	2.0	0.00	1.20	0.01	21.19	6.7	8.2E-05	6.1	2
3.35	8.50	5.15	6.6	4.0	0.00	1.20	0.06	41.14	15.6	9.9E-05	7.4	3
3.35	8.50	5.15	6.6	2.0	0.00	1.20	0.01	21.19	6.7	8.2E-05	6.1	4
3.35	8.50	5.15	6.6	1.0	0.00	1.20	0.00	11.20	3.8	8.7E-05	6.5	5
8.00	13.00	5.00	6.6	1.0	0.00	2.20	0.20	12.00	19.4	4.3E-04	32.3	1
8.00	13.00	5.00	6.6	4.0	0.00	2.20	0.48	41.72	29.6	1.9E-04	14.2	2
8.00	13.00	5.00	6.6	6.0	0.00	2.20	0.87	61.33	40.1	1.7E-04	13.1	3
8.00	13.00	5.00	6.6	4.0	0.00	2.20	0.50	41.70	30.2	1.9E-04	14.5	4
8.00	13.00	5.00	6.6	1.0	0.00	2.20	0.06	12.14	10.1	2.2E-04	16.6	5
13.00	17.00	4.00	6.6	1.0	0.00	2.20	0.01	12.19	3.0	7.9E-05	6.2	1
13.00	17.00	4.00	6.6	4.0	0.00	2.20	0.18	42.02	14.2	1.1E-04	8.5	2
13.00	17.00	4.00	6.6	5.0	0.00	2.20	0.82	51.38	30.5	1.9E-04	14.8	3
13.00	17.00	4.00	6.6	6.0	0.00	2.20	1.54	60.66	41.8	2.2E-04	17.2	4
13.00	17.00	4.00	6.6	5.0	0.00	2.20	0.86	51.34	31.2	1.9E-04	15.2	5
13.00	17.00	4.00	6.6	4.0	0.00	2.20	0.21	41.99	15.4	1.2E-04	9.2	6
13.00	17.00	4.00	6.6	1.0	0.00	2.20	0.01	12.19	3.0	7.8E-05	6.2	7
17.00	21.00	4.00	6.6	1.0	0.00	2.10	0.47	11.63	20.2	5.5E-04	43.4	1
17.00	21.00	4.00	6.6	4.0	0.00	2.10	1.06	41.04	30.3	2.3E-04	18.5	2
17.00	21.00	4.00	6.6	5.0	0.00	2.10	2.98	49.12	50.8	3.3E-04	25.9	3
17.00	21.00	4.00	6.6	4.0	0.00	2.10	0.90	41.20	27.9	2.2E-04	16.9	4
17.00	21.00	4.00	6.6	1.0	0.00	2.10	0.36	11.74	17.7	4.8E-04	37.7	5
21.00	25.00	4.00	6.6	1.0	0.00	1.90	0.97	10.93	26.0	7.6E-04	59.4	1
21.00	25.00	4.00	6.6	2.0	0.00	1.90	1.65	20.25	34.0	5.3E-04	42.0	2
21.00	25.00	4.00	6.6	4.2	0.00	1.90	2.46	41.44	41.5	3.2E-04	25.0	3
21.00	25.00	4.00	6.6	2.0	0.00	1.90	0.76	21.14	23.0	3.5E-04	27.2	4
21.00	25.00	4.00	6.6	1.0	0.00	1.90	0.24	11.66	13.0	3.5E-04	27.9	5
25.00	30.00	5.00	6.6	1.0	0.00	0.70	0.11	10.59	8.2	2.1E-04	15.5	1
25.00	30.00	5.00	6.6	2.0	0.00	0.70	0.45	20.25	16.2	2.1E-04	16.0	2
25.00	30.00	5.00	6.6	4.0	0.00	0.70	1.29	39.41	27.6	1.9E-04	14.0	3
25.00	30.00	5.00	6.6	6.0	0.00	0.70	3.06	57.64	42.4	2.0E-04	14.7	4
25.00	30.00	5.00	6.6	4.0	0.00	0.70	1.19	39.51	26.5	1.8E-04	13.4	5
25.00	30.00	5.00	6.6	2.0	0.00	0.70	0.38	20.32	14.9	2.0E-04	14.7	6
25.00	30.00	5.00	6.6	1.0	0.00	0.70	0.08	10.62	7.0	1.8E-04	13.2	7

Table C-9 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM8 (2/2)

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM8

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
30.00	35.00	5.00	6.6	1.0	0.00	1.81	1.11	10.70	23.3	5.8E-04	43.5	1
30.00	35.00	5.00	6.6	2.0	0.00	1.81	2.08	19.73	31.9	4.3E-04	32.3	2
30.00	35.00	5.00	6.6	4.0	0.00	1.81	3.07	38.74	38.8	2.7E-04	20.0	3
30.00	35.00	5.00	6.6	2.0	0.00	1.81	0.91	20.90	21.2	2.7E-04	20.2	4
30.00	35.00	5.00	6.6	1.0	0.00	1.81	0.50	11.31	15.6	3.7E-04	27.6	5
35.00	40.00	5.00	6.6	1.0	0.00	1.94	0.11	11.83	6.7	1.5E-04	11.2	1
35.00	40.00	5.00	6.6	2.0	0.00	1.94	0.47	21.47	14.0	1.7E-04	13.0	2
35.00	40.00	5.00	6.6	4.0	0.00	1.94	1.08	40.86	21.3	1.4E-04	10.4	3
35.00	40.00	5.00	6.6	7.0	0.00	1.94	2.35	69.59	31.4	1.2E-04	9.0	4
35.00	40.00	5.00	6.6	4.0	0.00	1.94	0.69	41.25	17.0	1.1E-04	8.2	5
35.00	40.00	5.00	6.6	2.0	0.00	1.94	0.83	21.11	18.7	2.4E-04	17.7	6
35.00	40.00	5.00	6.6	1.0	0.00	1.94	0.04	11.90	4.2	9.4E-05	7.0	7
40.00	45.00	5.00	6.6	1.0	0.00	0.74	0.07	10.67	4.9	1.2E-04	9.2	1
40.00	45.00	5.00	6.6	2.0	0.00	0.74	0.60	20.14	14.8	2.0E-04	14.7	2
40.00	45.00	5.00	6.6	4.0	0.00	0.74	1.01	39.73	19.3	1.3E-04	9.7	3
40.00	45.00	5.00	6.6	7.0	0.00	0.74	2.10	68.64	27.8	1.1E-04	8.1	4
40.00	45.00	5.00	6.6	4.0	0.00	0.74	0.59	40.15	14.7	9.8E-05	7.3	5
40.00	45.00	5.00	6.6	2.0	0.00	0.74	0.42	20.32	12.4	1.6E-04	12.2	6
40.00	45.00	5.00	6.6	1.0	0.00	0.74	0.05	10.69	4.1	1.0E-04	7.7	7
45.00	50.00	5.00	6.6	1.0	0.00	0.64	0.03	10.61	3.1	7.8E-05	5.8	1
45.00	50.00	5.00	6.6	2.0	0.00	0.64	0.19	20.45	7.9	1.0E-04	7.7	2
45.00	50.00	5.00	6.6	4.0	0.00	0.64	0.55	40.09	13.4	8.9E-05	6.7	3
45.00	50.00	5.00	6.6	7.0	0.00	0.64	1.12	69.52	19.1	7.3E-05	5.5	4
45.00	50.00	5.00	6.6	4.0	0.00	0.64	0.33	40.31	10.4	6.9E-05	5.2	5
45.00	50.00	5.00	6.6	2.0	0.00	0.64	0.10	20.54	5.6	7.3E-05	5.5	6
45.00	50.00	5.00	6.6	1.0	0.00	0.64	0.02	10.62	2.3	5.8E-05	4.3	7

Table C-10 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM9

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM9

DEPTH FROM	DEPTH TO	DEPTH LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP no
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
2.50	5.00	2.50	6.6	1.0	0.23	0.78	0.00	11.01	1.2	5.0E-05	4.4	1
2.50	5.00	2.50	6.6	2.0	0.23	0.78	0.00	21.01	2.7	6.0E-05	5.2	2
2.50	5.00	2.50	6.6	4.0	0.23	0.78	0.00	41.01	3.8	4.3E-05	3.7	3
2.50	5.00	2.50	6.6	2.0	0.23	0.78	0.00	21.01	2.9	6.4E-05	5.6	4
2.50	5.00	2.50	6.6	1.0	0.23	0.78	0.00	11.01	1.4	5.7E-05	4.9	5
5.00	10.00	5.00	6.6	1.0	0.15	0.38	0.00	10.53	3.4	8.6E-05	6.4	1
5.00	10.00	5.00	6.6	4.0	0.15	0.38	0.01	40.52	5.8	3.8E-05	2.9	2
5.00	10.00	5.00	6.6	7.0	0.15	0.38	0.02	70.51	7.1	2.7E-05	2.0	3
5.00	10.00	5.00	6.6	4.0	0.15	0.38	0.01	40.52	6.0	3.9E-05	2.9	4
5.00	10.00	5.00	6.6	1.0	0.15	0.38	0.00	10.53	3.6	9.2E-05	6.9	5
10.00	15.00	5.00	6.6	1.0	0.00	0.44	0.00	10.44	2.2	5.5E-05	4.1	1
10.00	15.00	5.00	6.6	4.0	0.00	0.44	0.02	40.42	5.0	3.3E-05	2.5	2
10.00	15.00	5.00	6.6	7.0	0.00	0.44	0.05	70.39	8.2	3.1E-05	2.3	3
10.00	15.00	5.00	6.6	4.0	0.00	0.44	0.02	40.42	5.5	3.6E-05	2.7	4
10.00	15.00	5.00	6.6	1.0	0.00	0.44	0.00	10.44	2.7	6.9E-05	5.2	5
15.00	20.00	5.00	6.6	1.0	0.00	0.32	1.31	9.01	35.9	1.1E-03	79.7	1
15.00	20.00	5.00	6.6	2.5	0.00	0.32	12.98	12.34	112.8	2.4E-03	182.8	2
15.00	20.00	5.00	6.6	1.0	0.00	0.32	1.31	9.01	35.9	1.1E-03	79.7	3
20.00	25.00	5.00	6.6	1.0	0.00	0.72	0.41	10.31	17.3	4.5E-04	33.6	1
20.00	25.00	5.00	6.6	2.0	0.00	0.72	0.94	19.78	26.4	3.6E-04	26.7	2
20.00	25.00	5.00	6.6	4.0	0.00	0.72	2.79	37.93	45.3	3.2E-04	23.9	3
20.00	25.00	5.00	6.6	2.0	0.00	0.72	1.31	19.41	31.1	4.3E-04	32.0	4
20.00	25.00	5.00	6.6	1.0	0.00	0.72	0.64	10.08	21.7	5.7E-04	43.1	5
25.00	30.00	5.00	6.6	1.0	0.00	0.78	0.12	10.66	8.4	2.1E-04	15.8	1
25.00	30.00	5.00	6.6	2.0	0.00	0.78	0.36	20.42	14.5	1.9E-04	14.2	2
25.00	30.00	5.00	6.6	4.0	0.00	0.78	0.95	39.83	23.6	1.6E-04	11.8	3
25.00	30.00	5.00	6.6	2.0	0.00	0.78	0.51	20.27	17.3	2.3E-04	17.1	4
25.00	30.00	5.00	6.6	1.0	0.00	0.78	0.17	10.61	10.1	2.5E-04	19.0	5

Table C-11 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM10

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM10

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEDN UNIT	STEP no
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
1.00	5.00	4.00	6.6	0.0	5.00	0.20	0.00	5.20	110.0	6.7E-03	528.8	1
1.00	5.00	4.00	6.6	0.0	5.00	0.20	0.00	5.20	105.0	6.4E-03	504.8	2
5.00	10.00	5.00	6.6	0.0	5.50	0.40	0.00	5.90	117.9	5.3E-03	399.7	1
10.00	15.00	5.00	6.6	1.0	5.80	0.61	0.01	16.40	4.0	6.5E-05	4.9	1
10.00	15.00	5.00	6.6	2.0	5.80	0.61	0.02	26.39	5.0	5.0E-05	3.8	2
10.00	15.00	5.00	6.6	4.0	5.80	0.61	0.07	46.34	10.1	5.8E-05	4.4	3
10.00	15.00	5.00	6.6	7.0	5.80	0.61	0.83	75.58	35.0	1.2E-04	9.3	4
10.00	15.00	5.00	6.6	4.0	5.80	0.61	0.04	46.37	7.2	4.1E-05	3.1	5
10.00	15.00	5.00	6.6	2.0	5.80	0.61	0.01	26.40	4.0	4.0E-05	3.0	6
10.00	15.00	5.00	6.6	1.0	5.80	0.61	0.01	16.40	3.1	5.0E-05	3.8	7
15.00	20.00	5.00	6.6	1.0	5.32	0.58	0.01	15.89	3.2	5.3E-05	4.0	1
15.00	20.00	5.00	6.6	2.0	5.32	0.58	0.02	25.88	4.1	4.2E-05	3.2	2
15.00	20.00	5.00	6.6	4.0	5.32	0.58	0.12	45.78	10.9	6.3E-05	4.8	3
15.00	20.00	5.00	6.6	7.0	5.32	0.58	1.10	74.80	32.9	1.2E-04	8.8	4
15.00	20.00	5.00	6.6	4.0	5.32	0.58	0.07	45.83	8.3	4.8E-05	3.6	5
15.00	20.00	5.00	6.6	2.0	5.32	0.58	0.01	25.89	3.1	3.2E-05	2.4	6
15.00	20.00	5.00	6.6	1.0	5.32	0.58	0.00	15.90	2.2	3.7E-05	2.8	7
20.00	25.00	5.00	6.6	1.0	4.80	0.70	0.01	15.49	2.2	3.8E-05	2.9	1
20.00	25.00	5.00	6.6	2.0	4.80	0.70	0.01	25.49	3.1	3.2E-05	2.4	2
20.00	25.00	5.00	6.6	4.0	4.80	0.70	0.09	45.41	8.1	4.8E-05	3.6	3
20.00	25.00	5.00	6.6	7.0	4.80	0.70	1.07	74.43	28.1	1.0E-04	7.6	4
20.00	25.00	5.00	6.6	4.0	4.80	0.70	0.07	45.43	7.4	4.3E-05	3.3	5
20.00	25.00	5.00	6.6	2.0	4.80	0.70	0.01	25.49	3.0	3.1E-05	2.4	6
20.00	25.00	5.00	6.6	1.0	4.80	0.70	0.01	15.49	2.1	3.6E-05	2.7	7
25.00	30.00	5.00	6.6	1.0	4.80	0.65	0.04	15.41	5.0	8.6E-05	6.5	1
25.00	30.00	5.00	6.6	2.0	4.80	0.65	0.11	25.34	8.1	8.5E-05	6.4	2
25.00	30.00	5.00	6.6	4.0	4.80	0.65	0.34	45.11	14.1	8.3E-05	6.3	3
25.00	30.00	5.00	6.6	7.0	4.80	0.65	2.60	72.85	39.1	1.4E-04	10.7	4
25.00	30.00	5.00	6.6	4.0	4.80	0.65	0.21	45.24	11.0	6.5E-05	4.9	5
25.00	30.00	5.00	6.6	2.0	4.80	0.65	0.09	25.36	7.2	7.6E-05	5.7	6
25.00	30.00	5.00	6.6	1.0	4.80	0.65	0.01	15.44	2.1	3.6E-05	2.7	7

Table C-12 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM11

RESULT OF WATER PRESSURE TEST  
BERIS RIVER FESIBILITY STUDY  
BORE HOLE NUMBER: Main damsite BM11

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP no
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm <sup>3</sup> /sec		no
1.50	5.00	3.50	6.6	1.0	0.34	0.50	0.00	10.84	1.5	4.8E-05	3.9	1
1.50	5.00	3.50	6.6	2.0	0.34	0.50	0.00	20.84	4.8	8.1E-05	6.5	2
1.50	5.00	3.50	6.6	3.0	0.34	0.50	0.01	30.83	10.2	1.2E-04	9.5	3
1.50	5.00	3.50	6.6	2.0	0.34	0.50	0.00	20.84	5.0	8.5E-05	6.8	4
1.50	5.00	3.50	6.6	1.0	0.34	0.50	0.00	10.84	1.4	4.5E-05	3.6	5
5.00	10.00	5.00	6.6	1.0	0.40	0.60	0.01	10.99	3.9	9.4E-05	7.1	1
5.00	10.00	5.00	6.6	4.0	0.40	0.60	0.11	40.89	17.8	1.2E-04	8.7	2
5.00	10.00	5.00	6.6	7.0	0.40	0.60	0.27	70.73	28.4	1.1E-04	8.0	3
5.00	10.00	5.00	6.6	10.0	0.40	0.60	0.42	100.58	35.2	9.3E-05	7.0	4
5.00	10.00	5.00	6.6	7.0	0.40	0.60	0.11	70.89	18.3	6.9E-05	5.2	5
5.00	10.00	5.00	6.6	4.0	0.40	0.60	0.09	40.91	16.7	1.1E-04	8.2	6
5.00	10.00	5.00	6.6	1.0	0.40	0.60	0.00	11.00	3.3	7.9E-05	5.9	7
10.00	15.00	5.00	6.6	1.0	0.45	0.65	0.00	11.10	1.8	4.3E-05	3.2	1
10.00	15.00	5.00	6.6	4.0	0.45	0.65	0.02	41.08	6.0	3.9E-05	2.9	2
10.00	15.00	5.00	6.6	7.0	0.45	0.65	0.12	70.98	13.3	5.0E-05	3.8	3
10.00	15.00	5.00	6.6	10.0	0.45	0.65	0.30	100.80	21.1	5.6E-05	4.2	4
10.00	15.00	5.00	6.6	7.0	0.45	0.65	0.13	70.97	13.8	5.2E-05	3.9	5
10.00	15.00	5.00	6.6	4.0	0.45	0.65	0.02	41.08	5.3	3.4E-05	2.6	6
10.00	15.00	5.00	6.6	1.0	0.45	0.65	0.00	11.10	1.6	3.9E-05	3.0	7
15.00	20.00	5.00	6.6	1.0	0.25	0.50	0.30	10.45	17.2	4.4E-04	32.8	1
15.00	20.00	5.00	6.6	2.0	0.25	0.50	0.73	20.02	26.8	3.6E-04	26.8	2
15.00	20.00	5.00	6.6	4.0	0.25	0.50	1.99	38.76	44.2	3.0E-04	22.8	3
15.00	20.00	5.00	6.6	2.0	0.25	0.50	1.01	19.74	31.5	4.3E-04	31.9	4
15.00	20.00	5.00	6.6	1.0	0.25	0.50	0.61	10.14	24.4	6.4E-04	48.1	5
20.00	25.00	5.00	6.6	1.0	0.25	0.50	0.01	10.74	3.1	7.6E-05	5.7	1
20.00	25.00	5.00	6.6	4.0	0.25	0.50	0.14	40.61	10.0	6.6E-05	4.9	2
20.00	25.00	5.00	6.6	7.0	0.25	0.50	0.41	70.34	17.4	6.6E-05	4.9	3
20.00	25.00	5.00	6.6	10.0	0.25	0.50	0.70	100.05	22.7	6.1E-05	4.5	4
20.00	25.00	5.00	6.6	7.0	0.25	0.50	0.39	70.36	16.9	6.4E-05	4.8	5
20.00	25.00	5.00	6.6	4.0	0.25	0.50	0.12	40.63	9.4	6.2E-05	4.6	6
20.00	25.00	5.00	6.6	1.0	0.25	0.50	0.01	10.74	2.8	6.9E-05	5.2	7
25.00	30.00	5.00	6.6	1.0	0.00	0.40	0.01	10.39	2.5	6.3E-05	4.8	1
25.00	30.00	5.00	6.6	4.0	0.00	0.40	0.11	40.29	8.1	5.3E-05	4.0	2
25.00	30.00	5.00	6.6	7.0	0.00	0.40	0.26	70.14	12.3	4.7E-05	3.5	3
25.00	30.00	5.00	6.6	10.0	0.00	0.40	0.68	99.72	20.1	5.4E-05	4.0	4
25.00	30.00	5.00	6.6	7.0	0.00	0.40	0.28	70.12	12.9	4.9E-05	3.7	5
25.00	30.00	5.00	6.6	4.0	0.00	0.40	0.11	40.29	7.9	5.2E-05	3.9	6
25.00	30.00	5.00	6.6	1.0	0.00	0.40	0.01	10.39	1.9	4.9E-05	3.7	7



Table C-13 RESULT OF WATER PRESSURE TEST,  
MAIN DAMSITE BM12

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Main damsite BM12

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP NO
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
3.00	5.00	2.00	6.6	1.0	0.00	1.29	0.00	11.29	1.9	8.8E-05	8.1	1
3.00	5.00	2.00	6.6	4.0	0.00	1.29	0.00	41.29	3.3	4.3E-05	4.0	2
3.00	5.00	2.00	6.6	7.0	0.00	1.29	0.01	71.28	5.9	4.5E-05	4.1	3
3.00	5.00	2.00	6.6	10.0	0.00	1.29	0.04	101.25	14.2	7.6E-05	7.0	4
3.00	5.00	2.00	6.6	7.0	0.00	1.29	0.01	71.28	5.4	4.2E-05	3.8	5
3.00	5.00	2.00	6.6	4.0	0.00	1.29	0.00	41.29	2.9	3.8E-05	3.5	6
3.00	5.00	2.00	6.6	1.0	0.00	1.29	0.00	11.29	1.5	7.0E-05	6.5	7
5.00	10.00	5.00	6.6	1.0	0.00	1.62	0.00	11.62	1.8	4.2E-05	3.1	1
5.00	10.00	5.00	6.6	4.0	0.00	1.62	0.01	41.61	4.0	2.6E-05	1.9	2
5.00	10.00	5.00	6.6	7.0	0.00	1.62	0.01	71.61	6.2	2.3E-05	1.7	3
5.00	10.00	5.00	6.6	10.0	0.00	1.62	0.05	101.57	12.0	3.2E-05	2.4	4
5.00	10.00	5.00	6.6	7.0	0.00	1.62	0.01	71.61	5.7	2.1E-05	1.6	5
5.00	10.00	5.00	6.6	4.0	0.00	1.62	0.00	41.62	3.5	2.3E-05	1.7	6
5.00	10.00	5.00	6.6	1.0	0.00	1.62	0.00	11.62	0.0	0.0E+00	0.0	7
10.00	15.00	5.00	6.6	1.0	0.00	1.34	0.00	11.34	1.2	2.7E-05	2.0	1
10.00	15.00	5.00	6.6	4.0	0.00	1.34	0.02	41.32	5.6	3.6E-05	2.7	2
10.00	15.00	5.00	6.6	7.0	0.00	1.34	0.04	71.30	8.1	3.0E-05	2.3	3
10.00	15.00	5.00	6.6	10.0	0.00	1.34	0.16	101.18	15.2	4.0E-05	3.0	4
10.00	15.00	5.00	6.6	7.0	0.00	1.34	0.03	71.31	6.9	2.6E-05	1.9	5
10.00	15.00	5.00	6.6	4.0	0.00	1.34	0.01	41.33	3.7	2.4E-05	1.8	6
10.00	15.00	5.00	6.6	1.0	0.00	1.34	0.00	11.34	0.0	0.0E+00	0.0	7
15.00	20.00	5.00	6.6	1.0	0.00	1.38	0.60	10.78	24.3	6.0E-04	45.1	1
15.00	20.00	5.00	6.6	2.0	0.00	1.38	1.37	20.01	36.6	4.9E-04	36.6	2
15.00	20.00	5.00	6.6	4.0	0.00	1.38	2.41	38.97	48.6	3.3E-04	24.9	3
15.00	20.00	5.00	6.6	7.0	0.00	1.38	0.96	20.42	30.8	4.0E-04	30.1	4
15.00	20.00	5.00	6.6	1.0	0.00	1.38	0.33	11.05	18.0	4.3E-04	32.5	5
20.00	25.00	5.00	6.6	1.0	0.00	1.54	2.87	8.67	45.9	1.4E-03	105.8	1
20.00	25.00	5.00	6.6	2.0	0.00	1.54	8.84	12.70	80.6	1.7E-03	126.9	2
20.00	25.00	5.00	6.6	4.0	0.00	1.54	20.34	21.20	122.3	1.5E-03	115.4	3
20.00	25.00	5.00	6.6	7.0	0.00	1.54	5.21	16.33	61.9	1.0E-03	75.8	4
20.00	25.00	5.00	6.6	1.0	0.00	1.54	2.42	9.12	42.2	1.2E-03	92.6	5
25.00	30.00	5.00	6.6	1.0	0.00	1.42	3.11	8.31	42.8	1.4E-03	102.9	1
25.00	30.00	5.00	6.6	2.0	0.00	1.42	8.79	12.63	71.9	1.5E-03	113.8	2
25.00	30.00	5.00	6.6	4.0	0.00	1.42	20.46	20.96	109.7	1.4E-03	104.7	3
25.00	30.00	5.00	6.6	7.0	0.00	1.42	5.80	15.62	58.4	10.0E-04	74.8	4
25.00	30.00	5.00	6.6	1.0	0.00	1.42	1.91	9.51	33.5	9.4E-04	70.4	5

Table C-14 RESULT OF WATER PRESSURE TEST,  
SADDLE DAMSITE BRS1

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY PART 1

BORE HOLE NUMBER: Saddle damsite BRS1

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEDON UNIT	STEP no
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
5.00	10.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	2.7	4.9E-05	3.7	1
5.00	10.00	5.00	6.6	4.0	3.50	1.20	0.02	44.68	6.9	4.1E-05	3.1	2
5.00	10.00	5.00	6.6	7.0	3.50	1.20	0.05	74.65	12.4	4.4E-05	3.3	3
5.00	10.00	5.00	6.6	7.0	3.50	1.20	0.11	74.59	18.3	6.5E-05	4.9	4
5.00	10.00	5.00	6.6	10.0	3.50	1.20	0.05	104.65	12.2	3.1E-05	2.3	5
5.00	10.00	5.00	6.6	7.0	3.50	1.20	0.01	74.69	6.6	2.4E-05	1.8	6
5.00	10.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	2.5	1.5E-05	1.1	7
10.00	15.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	3.8	6.9E-05	5.2	1
10.00	15.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	9.4	5.6E-05	4.2	2
10.00	15.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	15.0	5.3E-05	4.0	3
10.00	15.00	5.00	6.6	10.0	3.50	1.20	0.00	104.70	18.7	4.8E-05	3.6	4
10.00	15.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	15.2	5.4E-05	4.1	5
10.00	15.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	9.7	5.8E-05	4.3	6
10.00	15.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	3.9	7.1E-05	5.3	7
15.00	20.00	5.00	6.6	1.0	3.50	1.20	0.00	14.70	4.3	7.8E-05	5.9	1
15.00	20.00	5.00	6.6	4.0	3.50	1.20	0.00	44.70	11.1	6.6E-05	5.0	2
15.00	20.00	5.00	6.6	7.0	3.50	1.20	0.00	74.70	17.9	6.4E-05	4.8	3

Table C-15 RESULT OF WATER PRESSURE TEST,  
SADDLE DAMSITE BSS3

RESULT OF WATER PRESSURE TEST

BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Saddle damsite BSS3

DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
20.00	25.00	5.00	6.6	1.0	4.10	1.00	0.03	15.07	5.0	8.8E-05	6.6	1
20.00	25.00	5.00	6.6	3.0	4.10	1.00	0.45	34.65	18.1	1.4E-04	10.4	2
25.00	30.00	5.00	6.6	1.0	4.10	0.50	0.05	14.55	5.6	1.0E-04	7.7	1

Table C-16 RESULT OF WATER PRESSURE TEST,  
SADDLE DAMSITE BSS4

RESULT OF WATER PRESSURE TEST

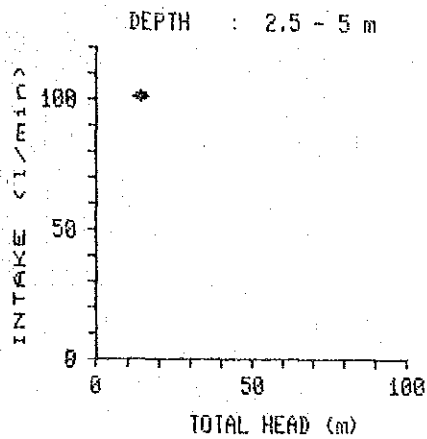
BERIS RIVER FESIBILITY STUDY

BORE HOLE NUMBER: Saddle damsite BSS4

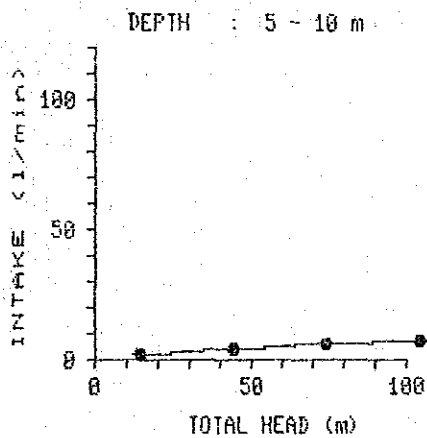
DEPTH FROM	DEPTH TO	LENGTH TESTED	HOLE DIA.	PRESSURE READING	STATIC HEAD	GAUGE HEIGHT	FRICTION LOSS	TOTAL HEAD	WATER INJECTED	COEFFICIENT OF PERMEABILITY	LUGEON UNIT	STEP
m	m	m	cm	Kg/cm <sup>2</sup>	m	m	m	m	l/min	cm/sec	-	no
15.00	20.00	5.00	6.6	1.0	8.30	1.50	0.03	19.77	5.7	7.7E-05	5.8	1
15.00	20.00	5.00	6.6	4.0	8.30	1.50	0.29	49.51	17.0	9.1E-05	6.9	2
15.00	20.00	5.00	6.6	7.0	8.30	1.50	9.50	70.30	96.5	3.7E-04	27.5	3
20.00	25.00	5.00	6.6	1.0	17.50	1.00	0.14	28.36	10.3	9.7E-05	7.3	1
20.00	25.00	5.00	6.6	4.0	17.50	1.00	0.63	57.87	21.5	9.9E-05	7.4	2
25.00	30.00	5.00	6.6	1.0	18.80	0.50	0.45	28.85	16.2	1.5E-04	11.2	1
25.00	30.00	5.00	6.6	4.0	18.80	0.50	2.33	56.97	37.0	1.7E-04	13.0	2



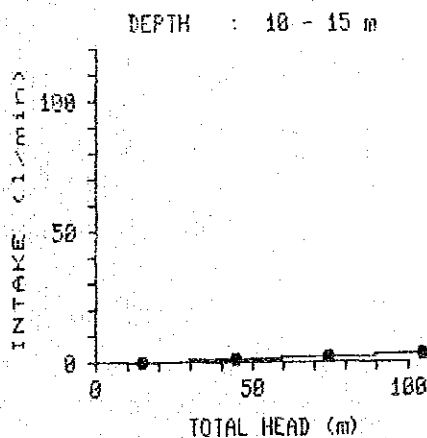
Fig. C-1 Result of Water Pressure Test,  
Main Dam site BSl (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.2	101.4	285.6	3.3E-03

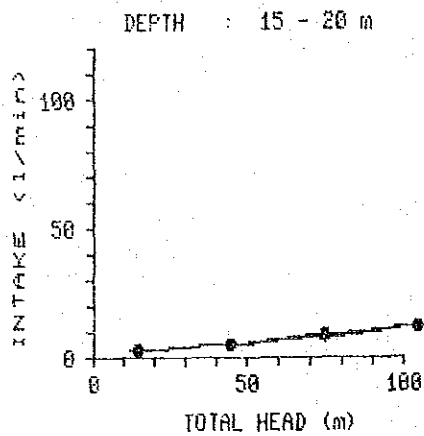


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.2	1.6	2.3	3.0E-05
2	44.2	3.8	1.7	2.3E-05
3	74.2	6.4	1.7	2.3E-05
4	104.2	7.3	1.4	1.9E-05
5	74.2	6.5	1.8	2.3E-05
6	44.2	3.9	1.8	2.4E-05
7	14.2	1.7	2.4	3.2E-05

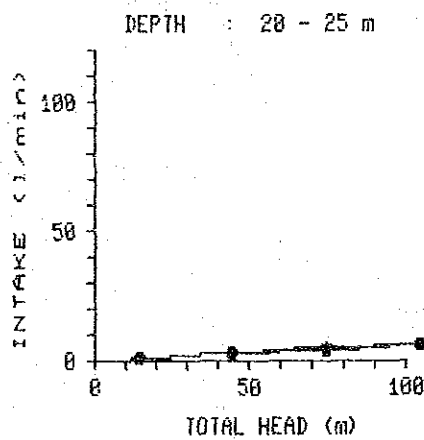


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	0.4	0.5	7.2E-06
2	44.7	1.0	0.4	6.0E-06
3	74.7	1.8	0.5	6.4E-06
4	104.7	2.6	0.5	6.6E-06
5	74.7	1.9	0.5	6.8E-06
6	44.7	1.2	0.5	7.2E-06
7	14.7	0.5	0.7	9.1E-06

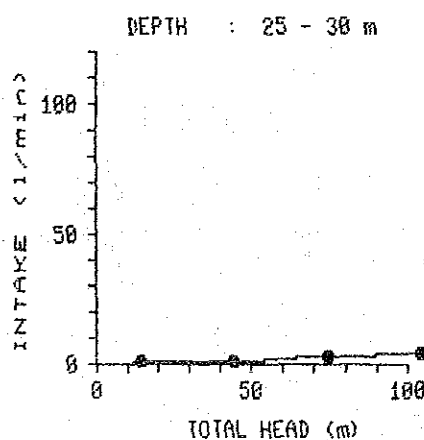
Fig. C-2 Result of Water Pressure Test,  
Main Damsite BS1 (2/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	2.7	3.7	4.9E-05
2	44.7	4.8	2.1	2.9E-05
3	74.7	8.3	2.2	3.0E-05
4	104.7	11.8	2.3	3.0E-05
5	74.7	8.8	2.4	3.1E-05
6	44.7	5.1	2.3	3.0E-05
7	14.7	2.8	3.8	5.1E-05

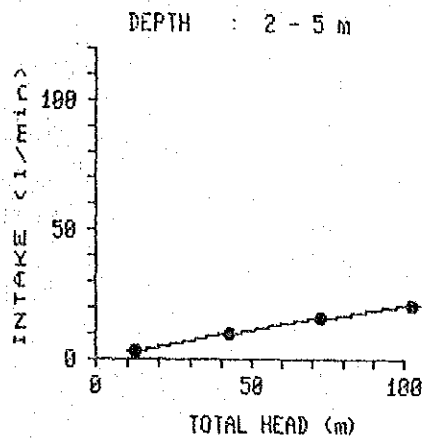


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	1.1	1.5	2.0E-05
2	44.7	3.2	1.4	1.9E-05
3	74.7	4.7	1.3	1.7E-05
4	104.7	5.6	1.1	1.4E-05
5	74.7	4.4	1.2	1.6E-05
6	44.7	2.9	1.3	1.7E-05
7	14.7	0.9	1.2	1.6E-05

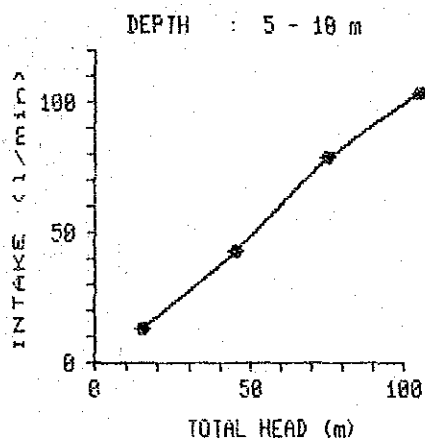


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	0.8	1.1	1.4E-05
2	44.7	1.5	0.7	0.9E-06
3	74.7	3.5	0.9	1.2E-05
4	104.7	4.4	0.8	1.1E-05
5	74.7	3.4	0.9	1.2E-05
6	44.7	1.3	0.6	7.7E-06
7	14.7	0.7	1.0	1.3E-05

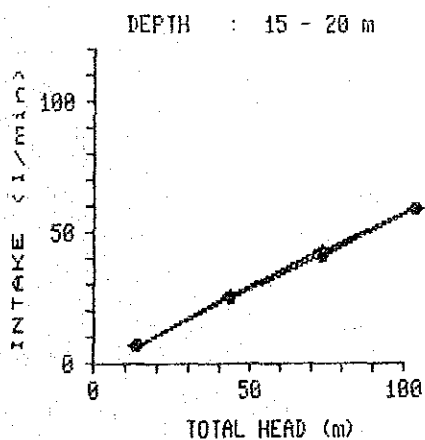
Fig. C-3 Result of Water Pressure Test,  
Main Damsite BS2 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	12.5	3.2	8.5	1.0E-04
2	42.5	9.6	7.5	9.0E-05
3	72.5	15.7	7.2	8.6E-05
4	102.5	21.4	7.0	8.3E-05
5	72.5	15.8	7.3	8.7E-05
6	42.5	9.9	7.8	9.3E-05
7	12.5	3.4	9.1	1.1E-04

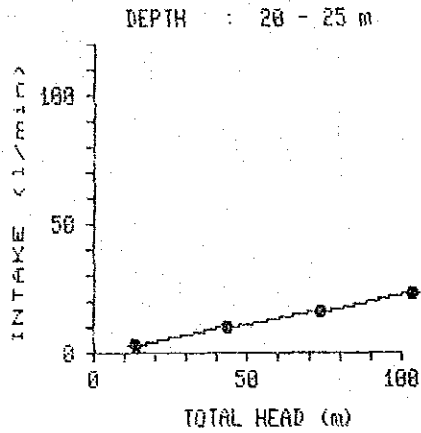


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.0	13.1	17.5	2.3E-04
2	45.0	43.4	19.3	2.6E-04
3	75.0	78.8	21.0	2.8E-04
4	105.0	103.8	19.8	2.6E-04
5	75.0	78.9	21.0	2.8E-04
6	45.0	42.8	19.0	2.5E-04
7	15.0	13.0	17.3	2.3E-04

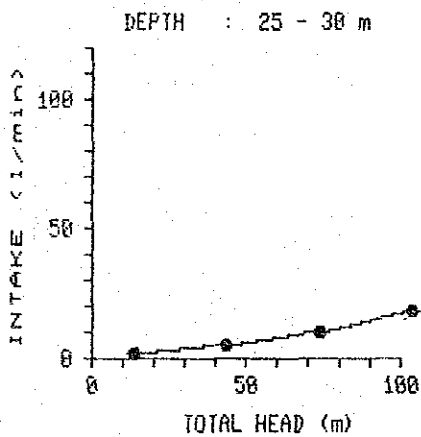


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	13.5	7.3	10.8	1.4E-04
2	43.5	25.8	11.9	1.6E-04
3	73.5	43.5	11.8	1.6E-04
4	103.5	59.2	11.4	1.5E-04
5	73.5	41.1	11.2	1.5E-04
6	43.5	25.1	11.5	1.5E-04
7	13.5	6.9	10.2	1.4E-04

Fig. C-4 Result of Water Pressure Test,  
Main Damsite BS2 (2/2)



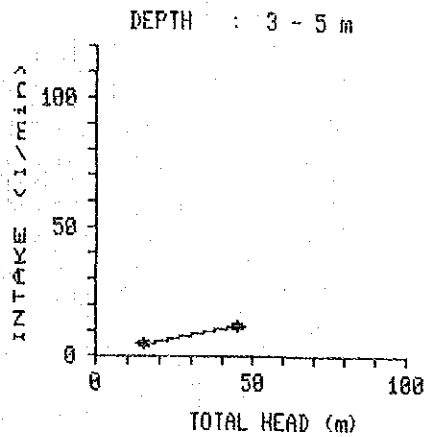
STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	13.5	2.8	4.1	5.5E-05
2	43.5	10.4	4.8	6.4E-05
3	73.5	16.5	4.5	6.0E-05
4	103.5	23.3	4.5	6.0E-05
5	73.5	16.3	4.4	5.9E-05
6	43.5	10.1	4.6	6.2E-05
7	13.5	2.7	4.0	5.3E-05



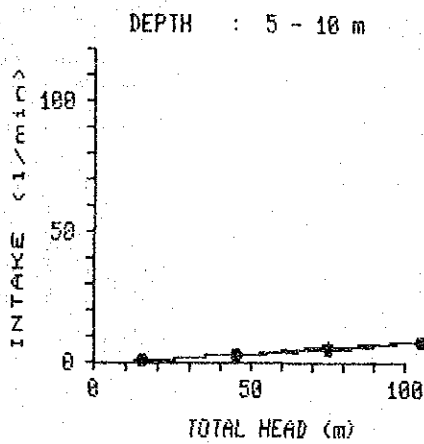
STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	13.5	2.1	3.1	4.1E-05
2	43.5	5.3	2.4	3.2E-05
3	73.5	10.1	2.7	3.7E-05
4	103.5	10.4	3.6	4.7E-05
5	73.5	9.8	2.7	3.6E-05
6	43.5	4.9	2.3	3.0E-05
7	13.5	1.7	2.5	3.4E-05



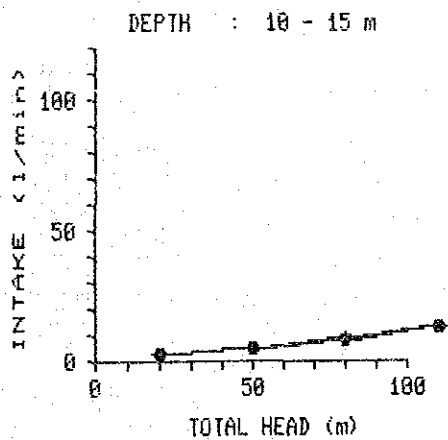
Fig. C-5 Result of Water Pressure Test,  
Main Damsite BS3 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.2	4.8	15.8	1.7E-04
2	45.2	11.6	12.8	1.4E-04

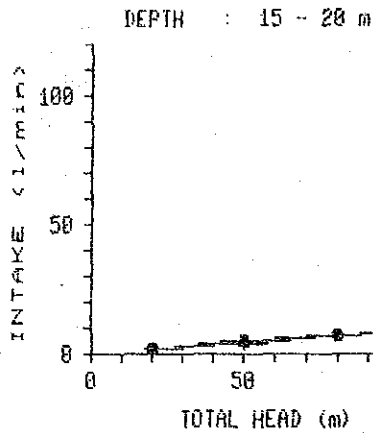


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.2	1.5	2.0	2.6E-05
2	45.2	3.2	1.4	1.9E-05
3	75.2	5.7	1.5	2.0E-05
4	105.2	8.3	1.6	2.1E-05
5	75.2	5.4	1.4	1.9E-05
6	45.2	2.9	1.3	1.7E-05
7	15.2	1.3	1.7	2.3E-05

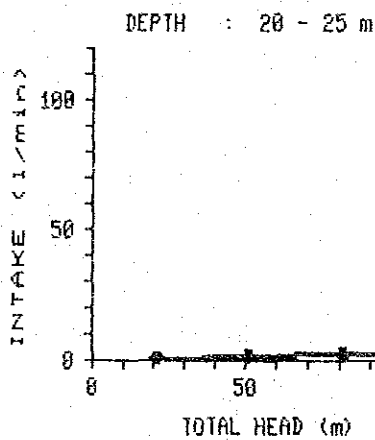


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	20.2	2.6	2.6	3.4E-05
2	50.2	5.1	2.0	2.7E-05
3	80.2	8.8	2.2	2.9E-05
4	110.2	13.0	2.4	3.1E-05
5	80.2	8.5	2.1	2.8E-05
6	50.2	4.9	2.0	2.6E-05
7	20.2	2.6	2.6	3.4E-05

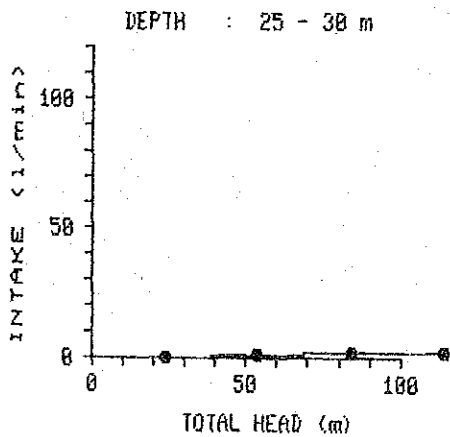
Fig. C-6 Result of Water Pressure Test,  
Main Damsite BS3 (2/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	20.2	1.8	1.8	2.4E-05
2	50.2	4.3	1.7	2.3E-05
3	80.2	6.9	1.7	2.3E-05
4	110.2	9.6	1.7	2.3E-05
5	80.2	7.2	1.8	2.4E-05
6	50.2	4.7	1.9	2.5E-05
7	20.2	2.4	2.4	3.2E-05

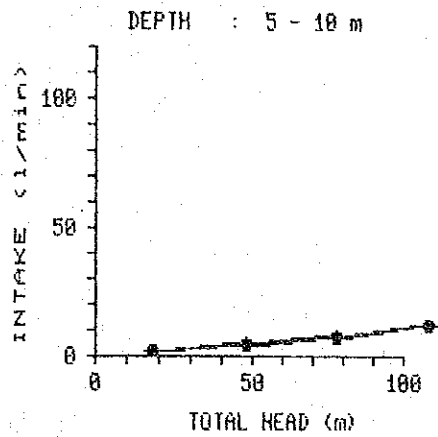


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	21.2	0.7	0.7	8.8E-06
2	51.2	1.5	0.6	7.8E-06
3	81.2	2.5	0.6	8.2E-06
4	111.2	3.7	0.7	8.9E-06
5	81.2	2.6	0.6	8.5E-06
6	51.2	1.7	0.7	8.8E-06
7	21.2	0.9	0.8	1.1E-05

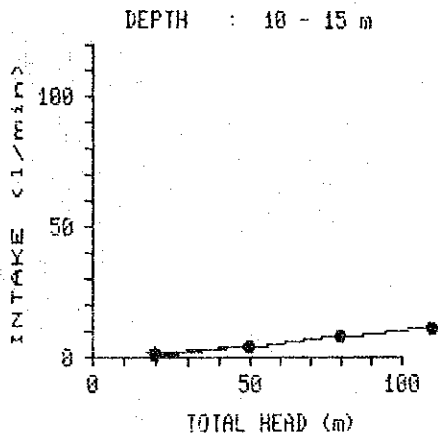


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	24.2	0.5	0.4	5.5E-06
2	54.2	1.3	0.5	6.4E-06
3	84.2	1.8	0.4	5.7E-06
4	114.2	2.3	0.4	5.4E-06
5	84.2	1.8	0.4	5.7E-06
6	54.2	1.2	0.4	5.9E-06
7	24.2	0.5	0.4	5.5E-06

Fig. C-7 Result of Water Pressure Test,  
Main Damsite BM4

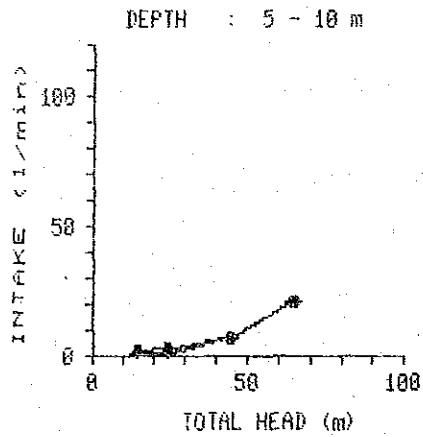


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	18.3	1.9	2.1	2.8E-05
2	48.3	4.9	2.0	2.7E-05
3	78.3	8.3	2.1	2.8E-05
4	108.2	12.5	2.3	3.1E-05
5	78.3	7.2	1.8	2.5E-05
6	48.3	3.8	1.6	2.1E-05
7	18.3	1.5	1.7	2.2E-05

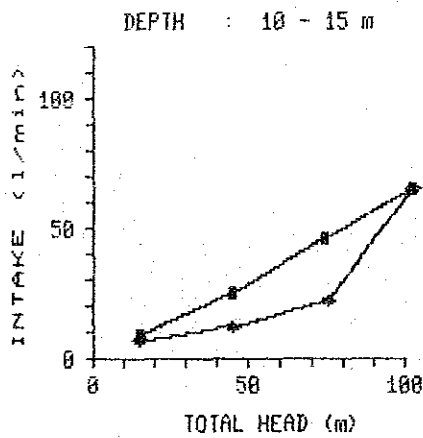


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	19.6	1.6	1.7	2.2E-05
2	49.6	4.3	1.7	2.3E-05
3	79.6	7.9	2.0	2.7E-05
4	109.6	11.0	2.0	2.7E-05
5	79.6	8.1	2.0	2.7E-05
6	49.6	3.8	1.5	2.0E-05
7	19.6	1.4	1.5	1.9E-05

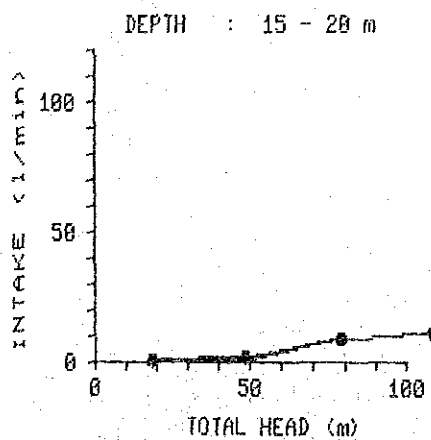
Fig. C-8 Result of Water Pressure Test,  
Main Damsite BM5 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.0	0.8	1.1	1.5E-05
2	25.0	1.4	1.1	1.4E-05
3	45.0	6.8	3.0	4.0E-05
4	64.8	20.7	6.4	8.5E-05
5	45.0	7.2	3.2	4.2E-05
6	25.0	2.8	2.2	3.0E-05
7	15.0	1.6	2.1	2.8E-05

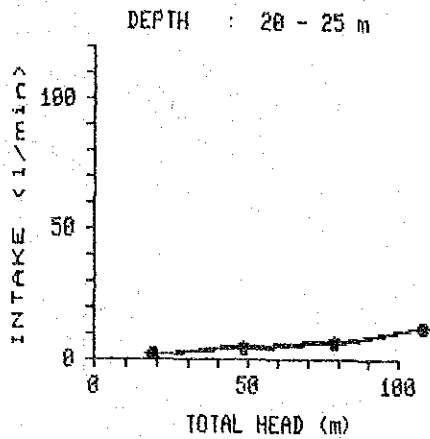


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.5	7.1	9.1	1.2E-04
2	45.4	11.6	5.1	6.8E-05
3	75.2	21.8	5.8	7.7E-05
4	102.6	65.1	12.7	1.7E-04
5	74.1	46.0	12.4	1.7E-04
6	45.1	25.4	11.3	1.5E-04
7	15.4	9.4	12.2	1.6E-04

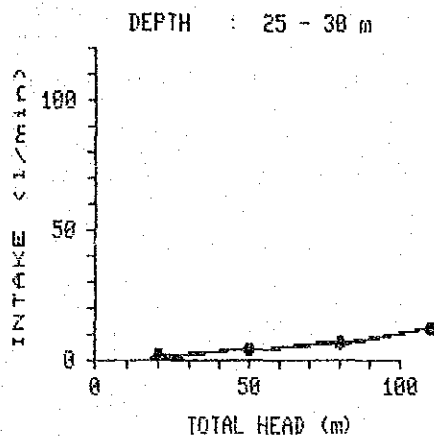


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	18.9	0.5	0.5	6.6E-06
2	48.9	1.3	0.5	7.3E-06
3	78.8	9.0	2.3	3.0E-05
4	108.7	11.2	2.1	2.8E-05
5	78.8	9.2	2.3	3.1E-05
6	48.9	2.3	1.0	1.3E-05
7	18.9	1.0	1.1	1.4E-05

Fig. C-9 Result of Water Pressure Test,  
Main Damsite BM5 (2/2)

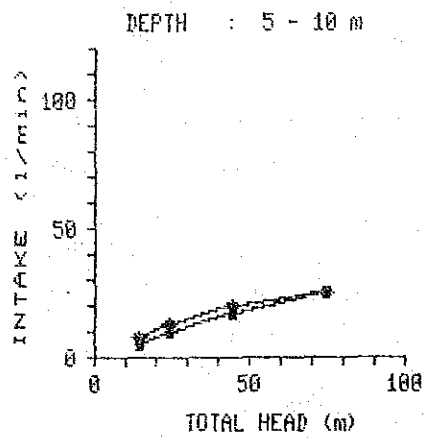


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	18.6	1.6	1.7	2.3E-05
2	48.6	5.0	2.0	2.7E-05
3	78.5	7.3	1.9	2.5E-05
4	108.4	12.1	2.2	3.0E-05
5	78.5	6.0	1.5	2.0E-05
6	48.6	3.7	1.5	2.0E-05
7	18.6	1.9	2.0	2.7E-05

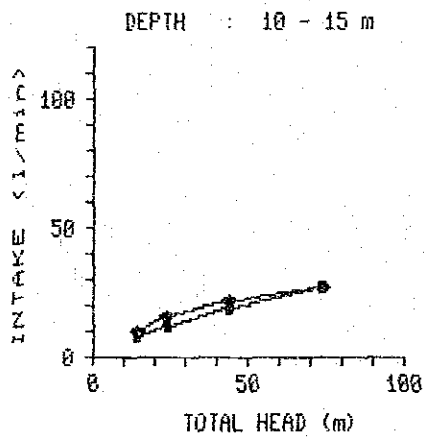


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	28.4	1.5	1.4	1.9E-05
2	50.4	3.9	1.6	2.1E-05
3	80.3	6.2	1.6	2.1E-05
4	110.2	11.6	2.1	2.8E-05
5	80.3	6.8	1.7	2.3E-05
6	50.4	4.3	1.7	2.3E-05
7	28.4	1.9	1.8	2.4E-05

Fig. C-10 Result of Water Pressure Test,  
Main Damsite BM6

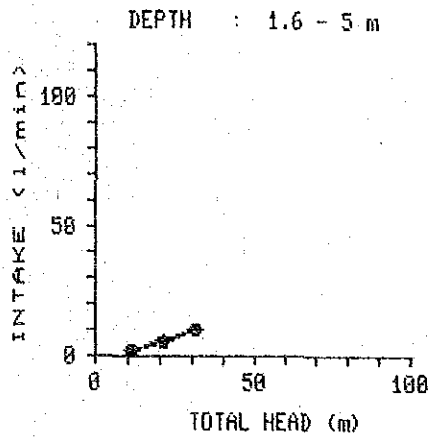


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	14.7	8.5	11.6	1.5E-04
2	24.7	13.2	10.7	1.4E-04
3	44.6	20.0	9.0	1.2E-04
4	74.5	25.0	6.7	8.9E-05
5	44.6	17.3	7.8	1.0E-04
6	24.7	10.2	8.3	1.1E-04
7	14.7	5.2	7.1	9.4E-05

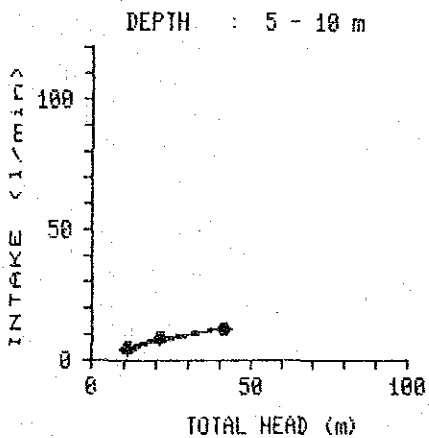


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	14.4	10.4	14.4	1.9E-04
2	24.3	15.8	13.0	1.7E-04
3	44.2	22.2	10.1	1.3E-04
4	74.0	27.2	7.4	9.8E-05
5	44.2	19.5	8.8	1.2E-04
6	24.4	11.8	9.7	1.3E-04
7	14.5	8.0	11.1	1.5E-04

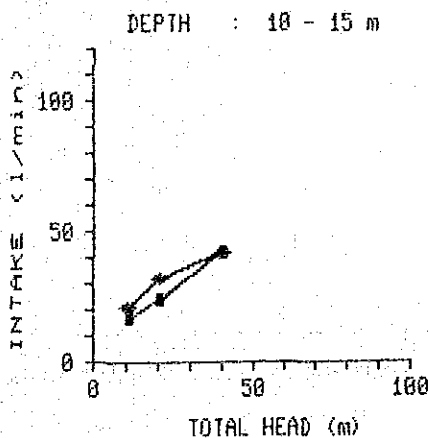
Fig. C-11 Result of Water Pressure Test,  
Main Damsite BM7 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.5	1.6	4.0	4.9E-05
2	21.5	5.9	8.0	9.9E-05
3	31.5	10.4	9.7	1.2E-04
4	21.5	5.3	7.3	8.9E-05
5	11.5	1.6	4.1	5.1E-05

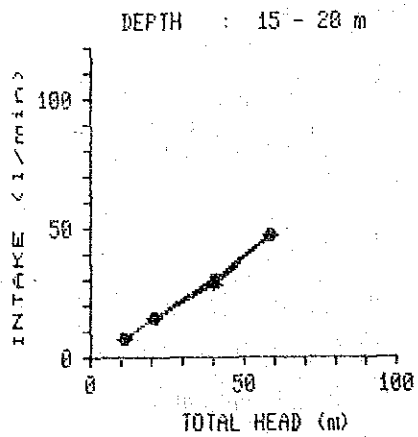


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.2	4.5	8.0	1.1E-04
2	21.2	7.8	7.4	9.8E-05
3	41.1	12.3	6.0	7.9E-05
4	21.2	8.6	8.1	1.1E-04
5	11.2	5.3	9.5	1.3E-04



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.0	20.9	38.2	5.1E-04
2	20.6	32.1	31.2	4.2E-04
3	40.0	42.4	21.2	2.8E-04
4	20.9	24.0	23.0	3.1E-04
5	11.1	17.1	31.0	4.1E-04

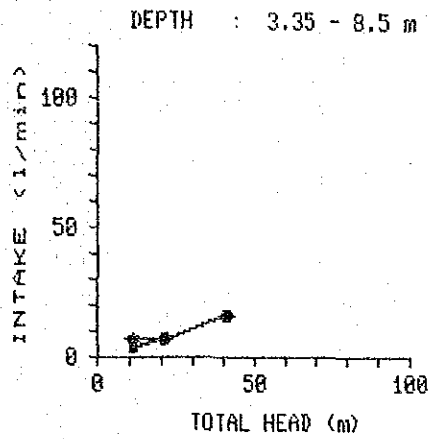
Fig. C-12 Result of Water Pressure Test,  
Main Damsite BM7 (2/2)



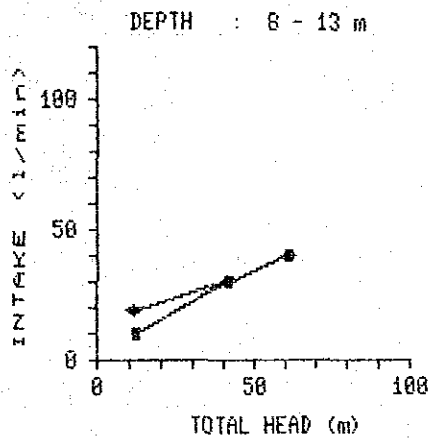
STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.2	6.6	11.8	1.6E-04
2	21.0	14.7	14.0	1.9E-04
3	40.4	28.5	14.1	1.9E-04
4	59.8	47.1	15.0	2.1E-04
5	48.3	29.9	14.8	2.0E-04
6	21.0	15.5	14.7	2.0E-04
7	11.2	7.0	12.5	1.7E-04



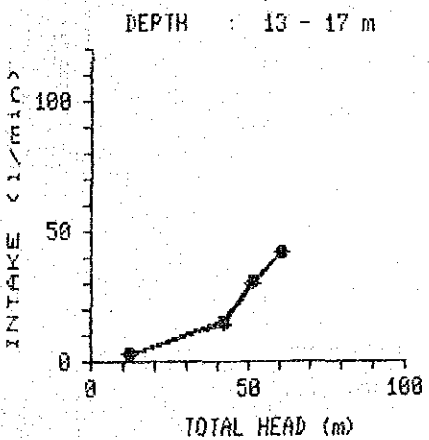
Fig. C-13 Result of Water Pressure Test,  
Main Dam site BMB (1/4)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.2	7.1	12.3	1.7E-04
2	21.2	6.7	6.1	8.2E-05
3	41.1	15.6	7.4	9.9E-05
4	21.2	6.7	6.1	8.2E-05
5	11.2	3.8	6.5	8.7E-05

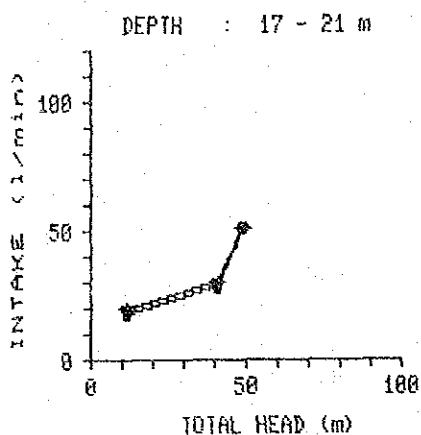


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	12.0	19.4	32.3	4.3E-04
2	41.7	29.6	14.2	1.9E-04
3	61.3	40.1	13.1	1.7E-04
4	41.7	30.2	14.5	1.9E-04
5	12.1	10.1	16.6	2.2E-04

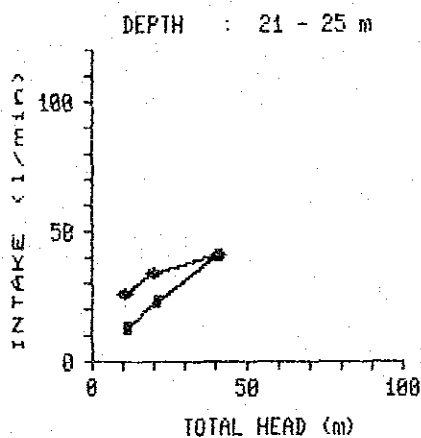


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	12.2	3.0	6.2	7.9E-05
2	42.0	14.2	8.5	1.1E-04
3	51.4	30.5	14.8	1.9E-04
4	60.7	41.8	17.2	2.2E-04
5	51.3	31.2	15.2	1.9E-04
6	42.0	15.4	9.2	1.2E-04
7	12.2	3.0	6.2	7.8E-05

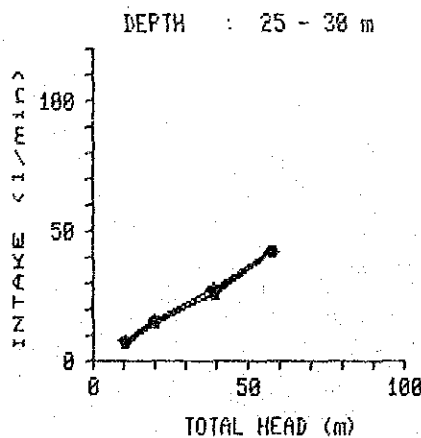
Fig. C-14 Result of Water Pressure Test,  
Main Damsite BM8 (2/4)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.6	20.2	43.4	5.5E-04
2	41.0	30.3	18.5	2.3E-04
3	49.1	50.8	25.9	3.3E-04
4	41.2	27.9	16.9	2.2E-04
5	11.7	17.7	37.7	4.8E-04

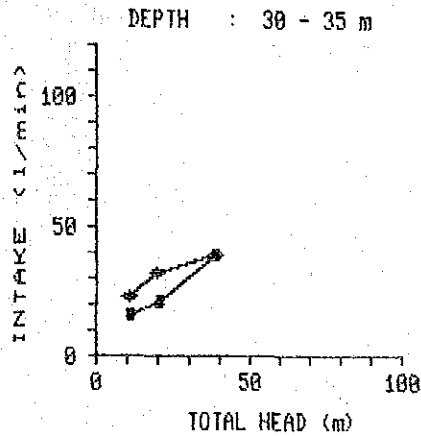


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.9	26.0	59.4	7.6E-04
2	20.2	34.0	42.0	5.3E-04
3	41.4	41.5	25.0	3.2E-04
4	21.1	23.0	27.2	3.5E-04
5	11.7	13.0	27.9	3.5E-04

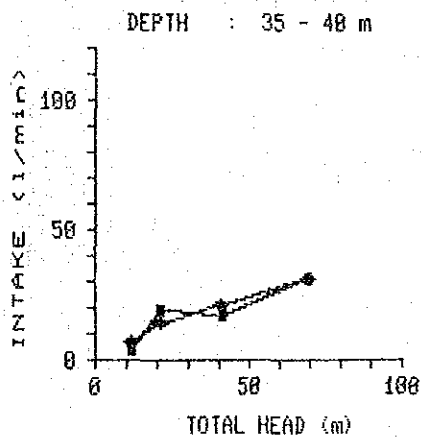


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.6	8.2	15.5	2.1E-04
2	20.3	16.2	16.0	2.1E-04
3	39.4	27.6	14.0	1.9E-04
4	57.6	42.4	14.7	2.0E-04
5	39.5	26.5	13.4	1.8E-04
6	20.3	14.9	14.7	2.0E-04
7	10.6	7.0	13.2	1.8E-04

Fig. C-15 Result of Water Pressure Test,  
Main Damsite BM8 (3/4)

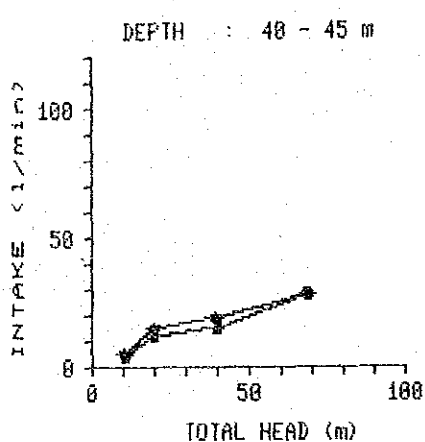


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.7	23.3	43.5	5.8E-04
2	19.7	31.9	32.3	4.3E-04
3	38.7	38.8	20.0	2.7E-04
4	20.9	21.2	20.2	2.7E-04
5	11.3	15.6	27.6	3.7E-04

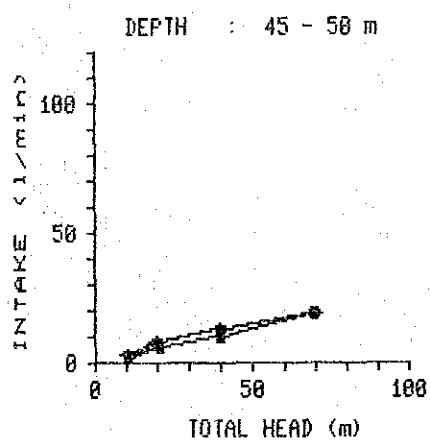


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.8	6.7	11.2	1.5E-04
2	21.5	14.0	13.0	1.7E-04
3	40.9	21.3	10.4	1.4E-04
4	69.6	31.4	9.0	1.2E-04
5	41.3	17.0	8.2	1.1E-04
6	21.1	10.7	17.7	2.4E-04
7	11.9	4.2	7.0	9.4E-05

Fig. C-16 Result of Water Pressure Test,  
Main Damsite BM8 (4/4)

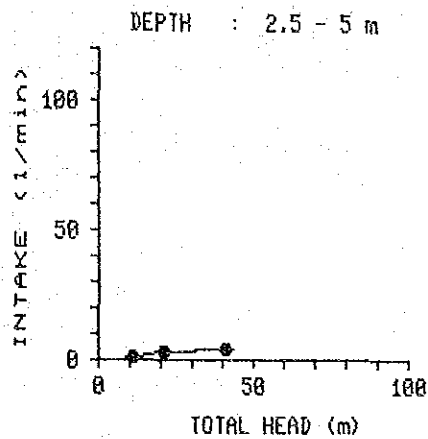


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	10.7	4.9	9.2	1.2E-04
2	20.1	14.8	14.7	2.0E-04
3	39.7	19.3	9.7	1.3E-04
4	68.6	27.8	8.1	1.1E-04
5	40.2	14.7	7.3	9.8E-05
6	20.3	12.4	12.2	1.6E-04
7	10.7	4.1	7.7	1.0E-04

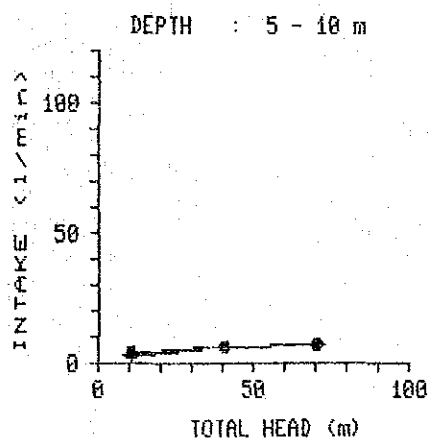


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	10.6	3.1	5.8	7.8E-05
2	20.4	7.9	7.7	1.0E-04
3	40.1	13.4	6.7	8.9E-05
4	69.5	19.1	5.5	7.3E-05
5	40.3	10.4	5.2	6.9E-05
6	20.5	5.6	5.5	7.3E-05
7	10.6	2.3	4.3	5.8E-05

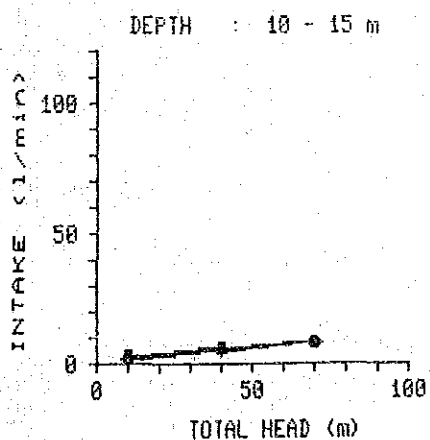
Fig. C-17 Result of Water Pressure Test,  
Main Damsite BM9 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.0	1.2	4.4	5.0E-05
2	21.0	2.7	5.2	6.0E-05
3	41.0	3.8	3.7	4.3E-05
4	21.0	2.9	5.6	6.4E-05
5	11.0	1.4	4.9	5.7E-05

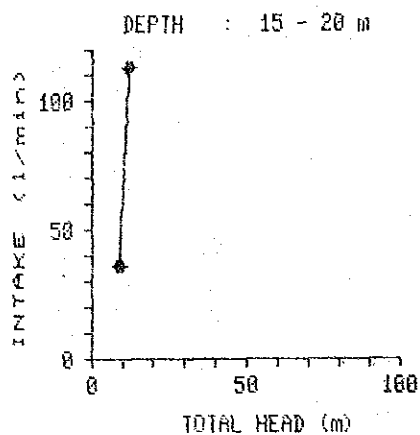


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.5	3.4	6.4	8.6E-05
2	40.5	5.8	2.9	3.8E-05
3	70.5	7.1	2.8	2.7E-05
4	40.5	6.0	2.9	3.9E-05
5	10.5	3.6	6.9	9.2E-05

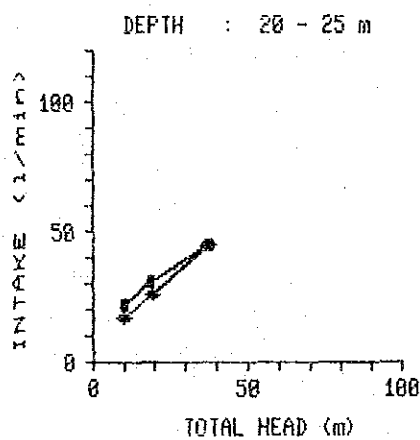


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.4	2.2	4.1	5.5E-05
2	40.4	5.0	2.5	3.3E-05
3	70.4	8.2	2.3	3.1E-05
4	40.4	5.5	2.7	3.6E-05
5	10.4	2.7	5.2	6.9E-05

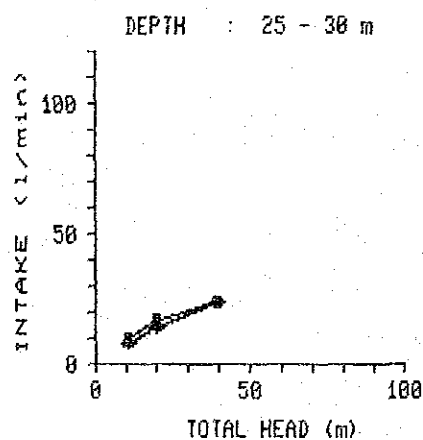
Fig. C-18 Result of Water Pressure Test,  
Main Damsite BM9 (2/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	9.0	35.9	79.7	1.1E-03
2	12.3	112.8	182.8	2.4E-03
3	9.0	35.9	79.7	1.1E-03

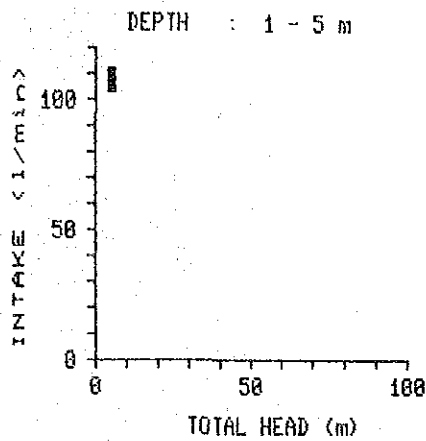


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	10.3	17.3	33.6	4.5E-04
2	19.8	26.4	26.7	3.6E-04
3	37.9	45.3	23.9	3.2E-04
4	19.4	31.1	32.0	4.3E-04
5	10.1	21.7	43.1	5.7E-04

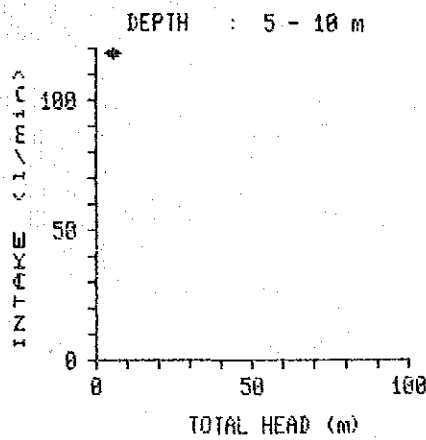


STEP	HEAD (m)	INTAKE (l/min)	Lu (°)	K (cm/sec)
1	10.7	8.4	15.8	2.1E-04
2	20.4	14.5	14.2	1.9E-04
3	39.8	23.6	11.8	1.6E-04
4	20.3	17.3	17.1	2.3E-04
5	10.6	10.1	19.0	2.5E-04

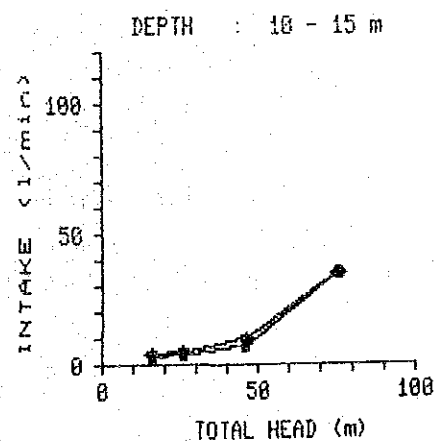
Fig. C-19 Result of Water Pressure Test,  
Main Damsite BM10 (1/2).



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	5.2	110.0	528.8	6.7E-03
2	5.2	105.0	504.8	6.4E-03

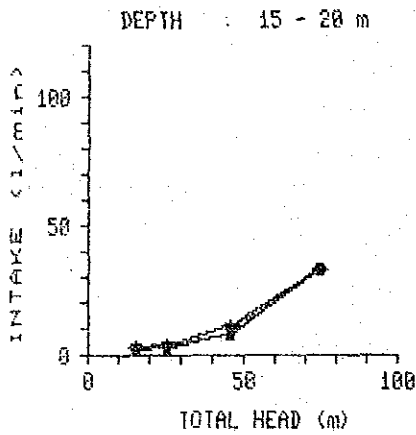


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	5.9	117.9	399.7	5.3E-03

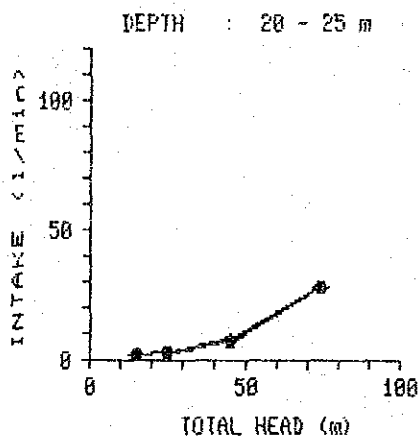


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	16.4	4.0	4.9	6.5E-05
2	26.4	5.0	3.8	5.8E-05
3	46.3	10.1	4.4	5.8E-05
4	75.6	35.0	9.3	1.2E-04
5	46.4	7.2	3.1	4.1E-05
6	26.4	4.0	3.0	4.0E-05
7	16.4	3.1	3.8	5.0E-05

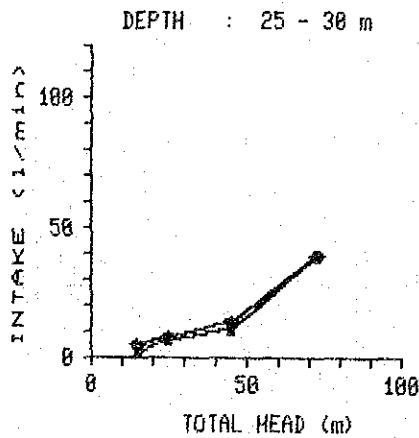
Fig. C-20 Result of Water Pressure Test,  
Main Dam site BM10 (2/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.9	3.2	4.0	5.3E-05
2	25.9	4.1	3.2	4.2E-05
3	45.8	10.9	4.8	6.3E-05
4	74.8	32.9	8.8	1.2E-04
5	45.8	8.3	3.6	4.8E-05
6	25.9	3.1	2.4	3.2E-05
7	15.9	2.2	2.8	3.7E-05



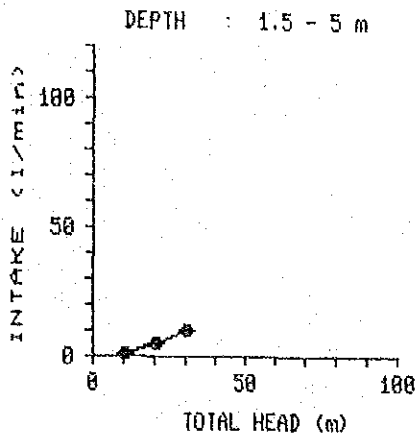
STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.5	2.2	2.9	3.8E-05
2	25.5	3.1	2.4	3.2E-05
3	45.4	8.1	3.6	4.8E-05
4	74.4	28.1	7.6	1.0E-04
5	45.4	7.4	3.3	4.3E-05
6	25.5	3.0	2.4	3.1E-05
7	15.5	2.1	2.7	3.6E-05



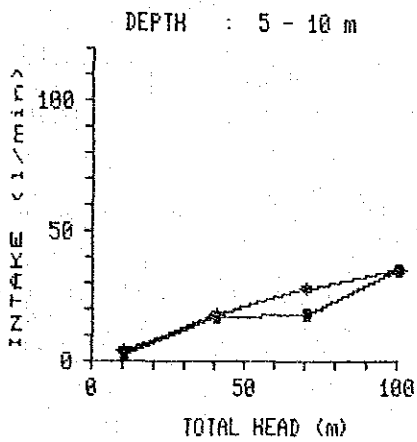
STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	15.4	5.0	6.5	8.6E-05
2	25.3	8.1	6.4	8.5E-05
3	45.1	14.1	6.3	8.3E-05
4	72.9	39.1	10.7	1.4E-04
5	45.2	11.0	4.9	6.5E-05
6	25.4	7.2	5.7	7.6E-05
7	15.4	2.1	2.7	3.6E-05



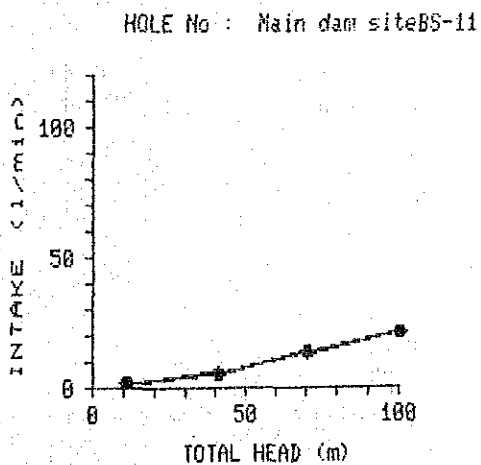
Fig. C-21 Result of Water Pressure Test,  
Main Dam site BML1 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.8	1.5	3.9	4.8E-05
2	20.8	4.8	6.5	8.1E-05
3	30.8	10.2	9.5	1.2E-04
4	20.8	5.0	6.8	8.5E-05
5	10.8	1.4	3.6	4.5E-05

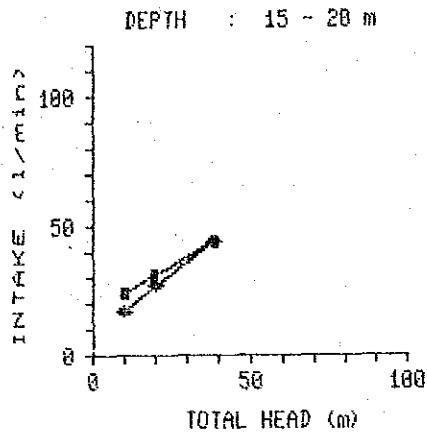


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.0	3.9	7.1	9.4E-05
2	40.9	17.8	8.7	1.2E-04
3	70.7	28.4	8.0	1.1E-04
4	100.6	35.2	7.0	9.3E-05
5	70.9	18.3	5.2	6.9E-05
6	40.9	16.7	8.2	1.1E-04
7	11.0	3.3	5.9	7.9E-05

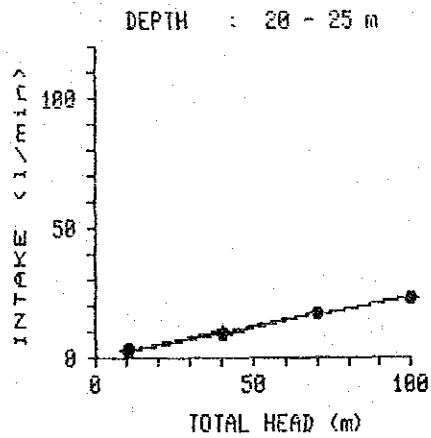


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.1	1.8	3.2	4.3E-05
2	41.1	6.0	2.9	3.9E-05
3	71.0	13.3	3.8	5.0E-05
4	100.8	21.1	4.2	5.6E-05
5	71.0	13.8	3.9	5.2E-05
6	41.1	5.3	2.6	3.4E-05
7	11.1	1.6	3.0	3.9E-05

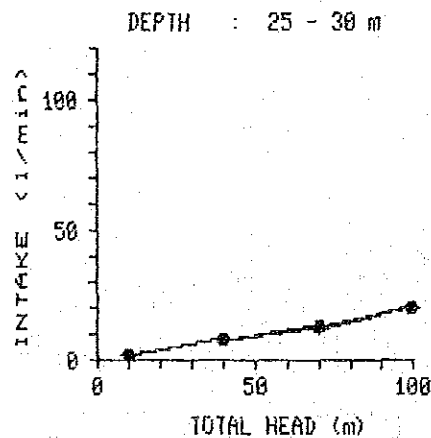
Fig. C-22 Result of Water Pressure Test,  
Main Damsite BM11 (2/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.4	17.2	32.8	4.4E-04
2	20.0	26.8	26.8	3.6E-04
3	38.8	44.2	22.8	3.0E-04
4	19.7	31.5	31.9	4.3E-04
5	10.1	24.4	48.1	6.4E-04

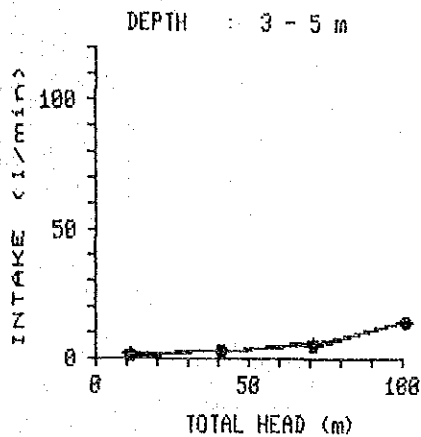


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.7	3.1	5.7	7.6E-05
2	40.6	10.0	4.9	6.6E-05
3	70.3	17.4	4.9	6.6E-05
4	100.0	22.7	4.5	6.1E-05
5	70.4	16.9	4.8	6.4E-05
6	40.6	9.4	4.6	6.2E-05
7	10.7	2.8	5.2	6.9E-05

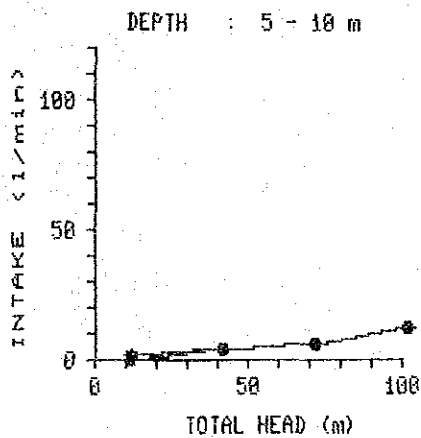


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.4	2.5	4.8	6.3E-05
2	40.3	8.1	4.0	5.3E-05
3	70.1	12.3	3.5	4.7E-05
4	99.7	20.1	4.0	5.4E-05
5	70.1	12.9	3.7	4.9E-05
6	40.3	7.9	3.9	5.2E-05
7	10.4	1.9	3.7	4.9E-05

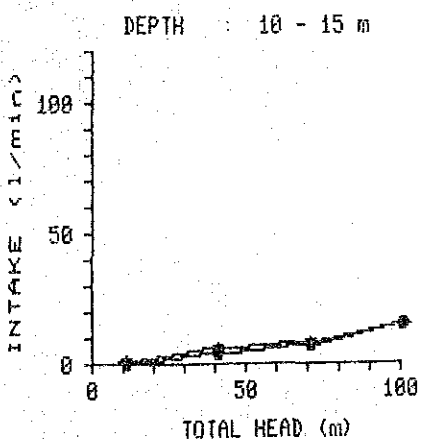
Fig. C-23 Result of Water Pressure Test,  
Main Damsite BM12 (1/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.3	1.8	8.1	8.8E-05
2	41.3	3.3	4.0	4.3E-05
3	71.3	5.9	4.1	4.5E-05
4	101.2	14.2	7.0	7.6E-05
5	71.3	5.4	3.8	4.2E-05
6	41.3	2.9	3.5	3.8E-05
7	11.3	1.5	6.5	7.0E-05

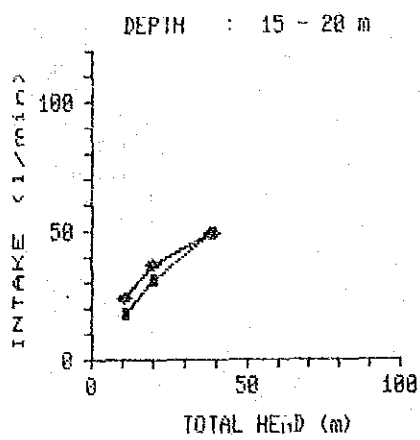


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.6	1.8	3.1	4.2E-05
2	41.6	4.0	1.9	2.6E-05
3	71.6	6.2	1.7	2.3E-05
4	101.6	12.0	2.4	3.2E-05
5	71.6	5.7	1.6	2.1E-05
6	41.6	3.5	1.7	2.3E-05
7	11.6	0.0	0.0	0.0E+00

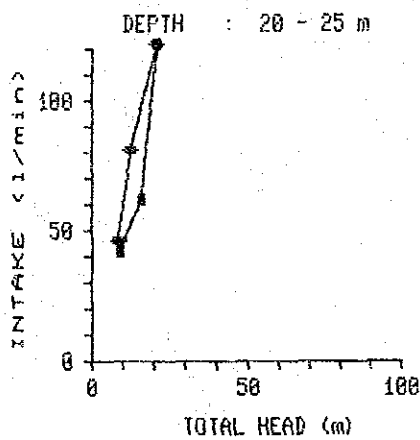


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	11.3	1.2	2.0	2.7E-05
2	41.3	5.6	2.7	3.6E-05
3	71.3	8.1	2.3	3.0E-05
4	101.2	15.2	3.0	4.0E-05
5	71.3	6.9	1.9	2.6E-05
6	41.3	3.7	1.8	2.4E-05
7	11.3	0.0	0.0	0.0E+00

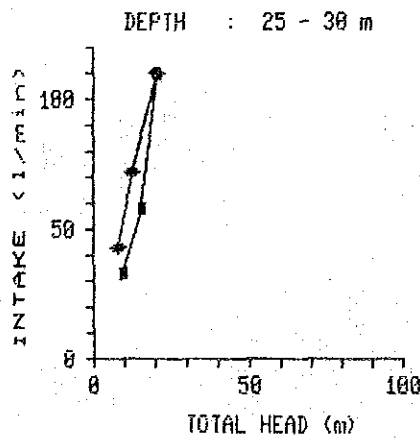
Fig. C-24 Result of Water Pressure Test,  
Main Damsite BM12 (2/2)



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	10.8	24.3	45.1	6.0E-04
2	20.0	36.6	36.6	4.9E-04
3	39.0	48.6	24.9	3.3E-04
4	20.4	30.8	30.1	4.0E-04
5	11.1	18.0	32.5	4.3E-04

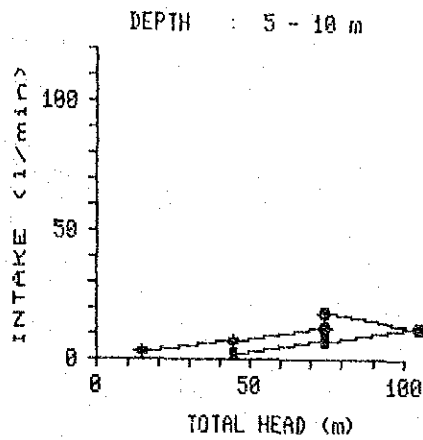


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	8.7	45.9	105.8	1.4E-03
2	12.7	80.6	126.9	1.7E-03
3	21.2	122.3	115.4	1.5E-03
4	16.3	61.9	75.8	1.0E-03
5	9.1	42.2	92.6	1.2E-03

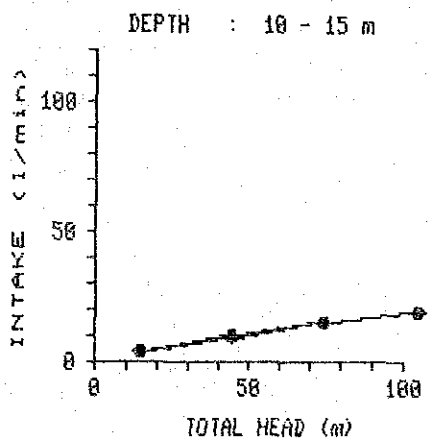


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	8.3	42.8	102.9	1.4E-03
2	12.6	71.9	113.8	1.5E-03
3	21.0	109.7	104.7	1.4E-03
4	15.6	58.4	74.8	10.0E-04
5	9.5	33.5	70.4	9.4E-04

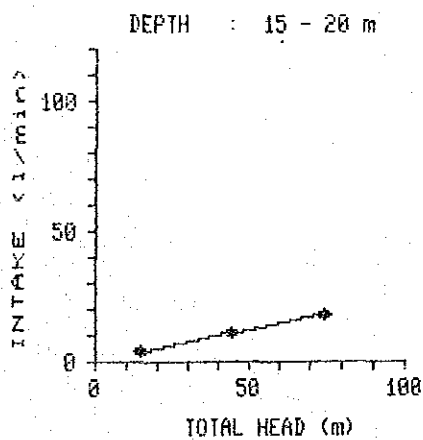
Fig. C-25 Result of Water Pressure Test,  
Saddle Damsite BRS1



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	2.7	3.7	4.9E-05
2	44.7	6.9	3.1	4.1E-05
3	74.7	12.4	3.3	4.4E-05
4	74.7	18.3	4.9	6.5E-05
5	104.7	12.2	2.3	3.1E-05
6	74.7	6.6	1.8	2.4E-05
7	44.7	2.5	1.1	1.5E-05

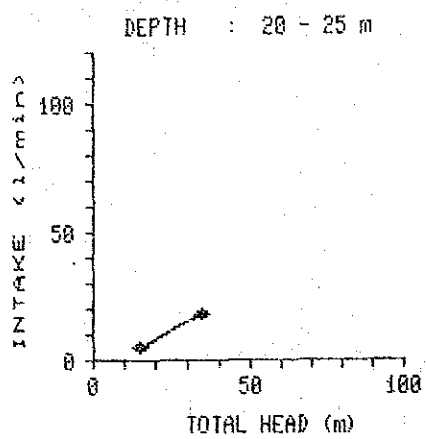


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	3.8	5.2	6.9E-05
2	44.7	9.4	4.2	5.6E-05
3	74.7	15.0	4.0	5.3E-05
4	104.7	18.7	3.6	4.8E-05
5	74.7	15.2	4.1	5.4E-05
6	44.7	9.7	4.3	5.8E-05
7	14.7	3.9	5.3	7.1E-05

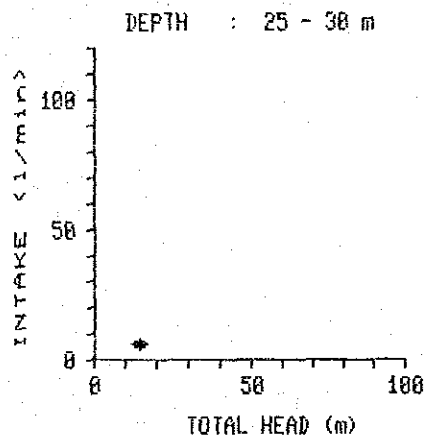


STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	14.7	4.3	5.9	7.8E-05
2	44.7	11.1	5.8	6.6E-05
3	74.7	17.9	4.8	6.4E-05

Fig. C-26 Result of Water Pressure Test,  
Saddle Damsite BSS3

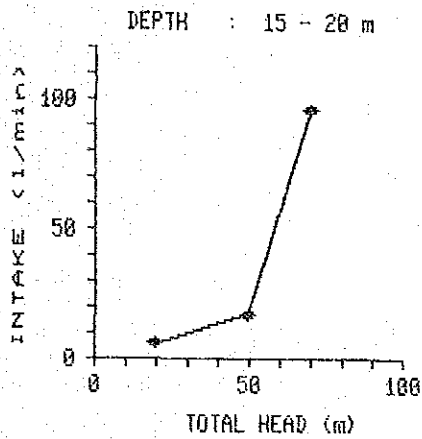


STEP	HEAD (m)	INTAKE (l/min)	Lu (.)	K (cm/sec)
1	15.1	5.0	6.6	8.8E-05
2	34.7	18.1	10.4	1.4E-04

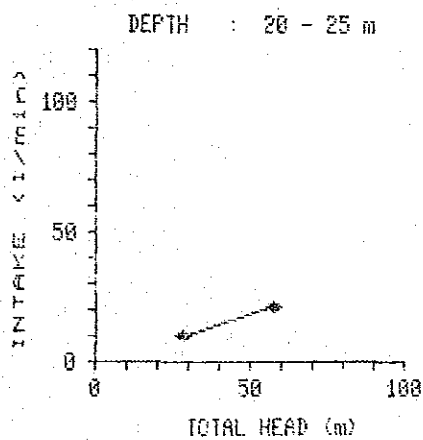


STEP	HEAD (m)	INTAKE (l/min)	Lu (.)	K (cm/sec)
1	14.5	5.6	7.7	1.0E-04

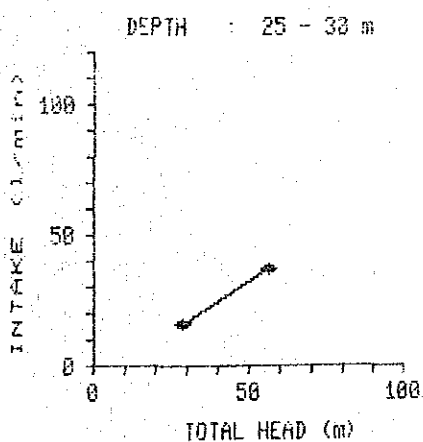
Fig. C-27 Result of Water Pressure Test,  
Saddle Damsite BSS4



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	19.8	5.7	5.8	7.7E-05
2	49.5	17.0	6.9	9.1E-05
3	70.3	96.5	27.5	3.7E-04



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	28.4	10.3	7.3	9.7E-05
2	57.9	21.5	7.4	9.9E-05



STEP	HEAD (m)	INTAKE (l/min)	Lu ( )	K (cm/sec)
1	29.9	16.2	11.2	1.5E-04
2	57.0	37.0	13.0	1.7E-04





***APPENDIX D***  
***WATER HEAD FALLING TEST***



## LIST OF FIGURES

- D-1. Result of Water Head Falling Test, Main Damsite BM4
- D-2. Result of Water Head Falling Test, Main Damsite BM5
- D-3. Result of Water Head Falling Test, Main Damsite BM6
- D-4. Result of Water Head Falling Test, Saddle Damsite BSS2 (1/6)
- D-5. Result of Water Head Falling Test, Saddle Damsite BSS2 (2/6)
- D-6. Result of Water Head Falling Test, Saddle Damsite BSS2 (3/6)
- D-7. Result of Water Head Falling Test, Saddle Damsite BSS2 (4/6)
- D-8. Result of Water Head Falling Test, Saddle Damsite BSS2 (5/6)
- D-9. Result of Water Head Falling Test, Saddle Damsite BSS2 (6/6)
- D-10. Result of Water Head Falling Test, Saddle Damsite BSS3 (1/4)
- D-11. Result of Water Head Falling Test, Saddle Damsite BSS3 (2/4)
- D-12. Result of Water Head Falling Test, Saddle Damsite BSS3 (3/4)
- D-13. Result of Water Head Falling Test, Saddle Damsite BSS3 (4/4)
- D-14. Result of Water Head Falling Test, Saddle Damsite BSS4 (1/3)
- D-15. Result of Water Head Falling Test, Saddle Damsite BSS4 (2/3)
- D-16. Result of Water Head Falling Test, Saddle Damsite BSS4 (3/3)



Fig. D-1 Result of Water Head Falling Test Main Damsite BM4

WATER HEAD FALLING METHOD

DATE: \_\_\_\_\_

BORE HOLE No. : BM4

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS

TESTING SECTION : 1.5 - 2.0 m

DEPTH FROM 1.5 M TO 5.0M

STATIC WATER LEVEL No : 4.81 b.g.1M

TIME FROM 10:05 min. TO 10:14 min.

GAGE HEIGHT : \_\_\_\_\_ M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
10 : 05	0	0	0
: 06	60	210	2.10
: 07	120	265	55
: 08	180	310	45
: 09	240	340	30
: 10	300	380	40
: 11	360	410	30
: 12	420	430	20
: 13	480	441	11
10 : 14	540	451	10

Radius of bore hole r: 3.3 cm  
 Length of test section L: 3.5 m  
 Height of casing top from ground level H: 0.0 m

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

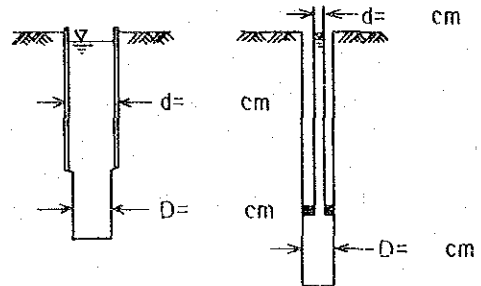
(3)  $T = V / (2 \times \lambda \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$

$-\ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1}$



$k = 3.73 \times 10^{-4} \text{ cm/sec}$

$Lu = 30.3$

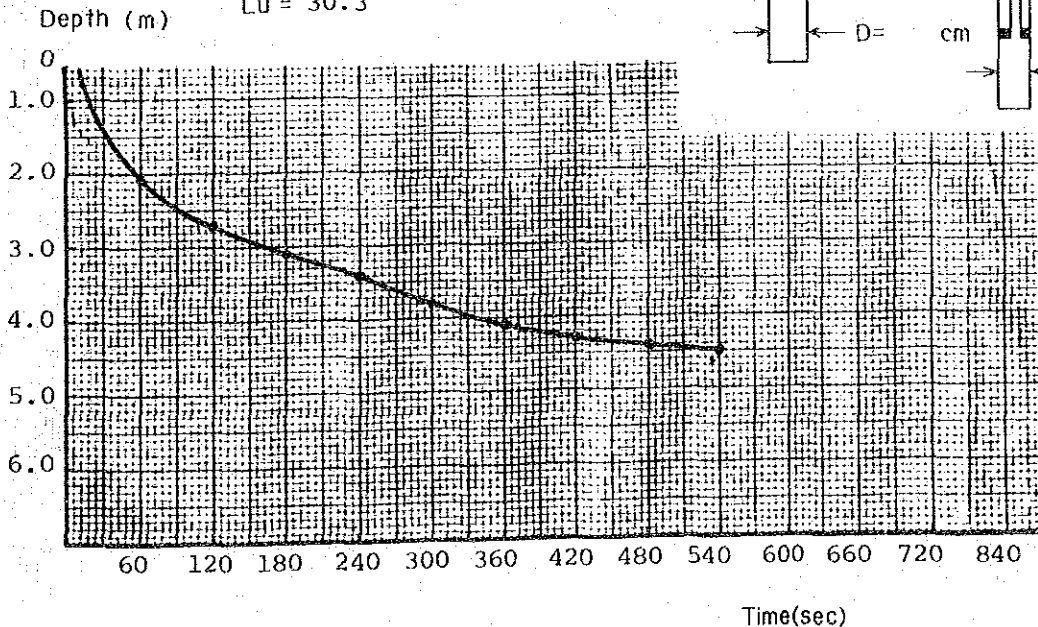


Fig. D-2 Result of Water Head Falling Test Main Damsite BM5

WATER HEAD FALLING METHOD

DATE: \_\_\_\_\_

BORE HOLE No. : BM5

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS

TESTING SECTION : 2.50 - 5.0 m

DEPTH FROM 2.50 M TO 5.0 M

STATIC WATER LEVEL No : 1.71 M

TIME FROM 5:30 min. TO 5:45 min.

GAGE HEIGHT : \_\_\_\_\_ M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
5 : 30	0	0	0
:	30	1.15	115
:	60	1.37	22
:	90	1.42	5
:	120	1.46	4
:	150	1.48	2
:	180	1.50	2
:	600	1.62	12
5 : 45	900	1.64	2
:			

Radius of bore hole  $r$  3.3 cm  
 Length of test section  $L$  2.5 m  
 Height of casing top from ground level  $H$  0.0 m

CASE

(1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

(3)  $T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

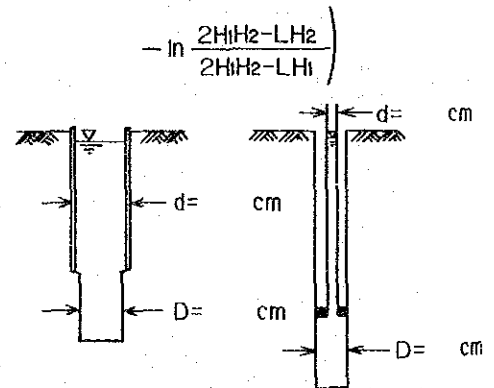
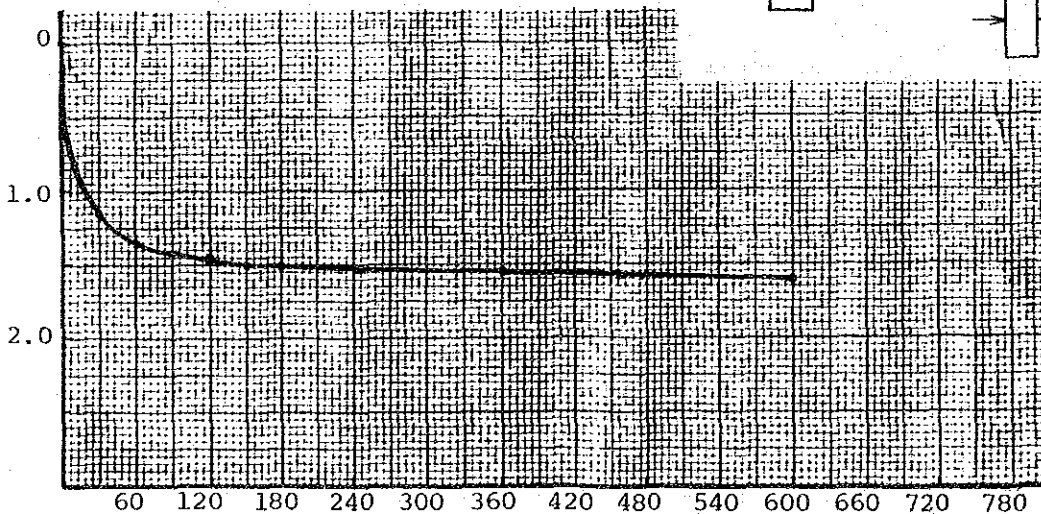
$V$  : volume of entering test section in period  $t$

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} - \ln \frac{2H_1 H_2 - L H_2}{2H_1 H_2 - L H_1} \right)$

$k = 3.46 \times 10^{-5} \text{ cm/sec}$

$Lu = 3.4$

Depth (m)



Time(sec)

Fig. D-3 Result of Water Head Falling Test Main Damsite BM6

WATER HEAD FALLING METHOD

DATE: \_\_\_\_\_

BORE HOLE No. : BM6

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS

TESTING SECTION : 3.50 m

DEPTH FROM 1.50 M TO 5.0 M

STATIC WATER LEVEL No : 4.0 b.g.l M

TIME FROM 11:10 min. TO 11:20 min.

GAGE HEIGHT : \_\_\_\_\_ M

Radius of bore hole r 3.3 cm  
 Length of test section L 3.5 m  
 Height of casing top from ground level H 0.0 m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t sec	cm	cm
11 : 10 <sup>am</sup>	60	105	105
:	120	195	90
:	180	245	50
:	240	298	53
:	300	345	47
:	360	365	20
:	420	384	19
:	480	395	11
:	540	398	3
11 : 20 <sup>am</sup>	600	400	2

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

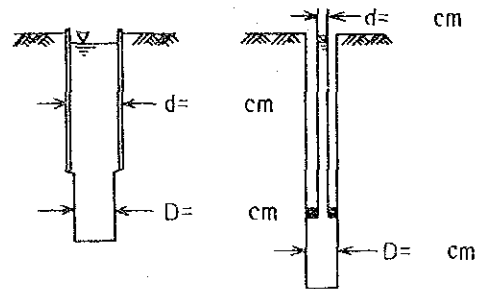
(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

(3)  $T = V / (2 \times \pi \times (H_2 - H_1) \times (t_2 - t_1))$

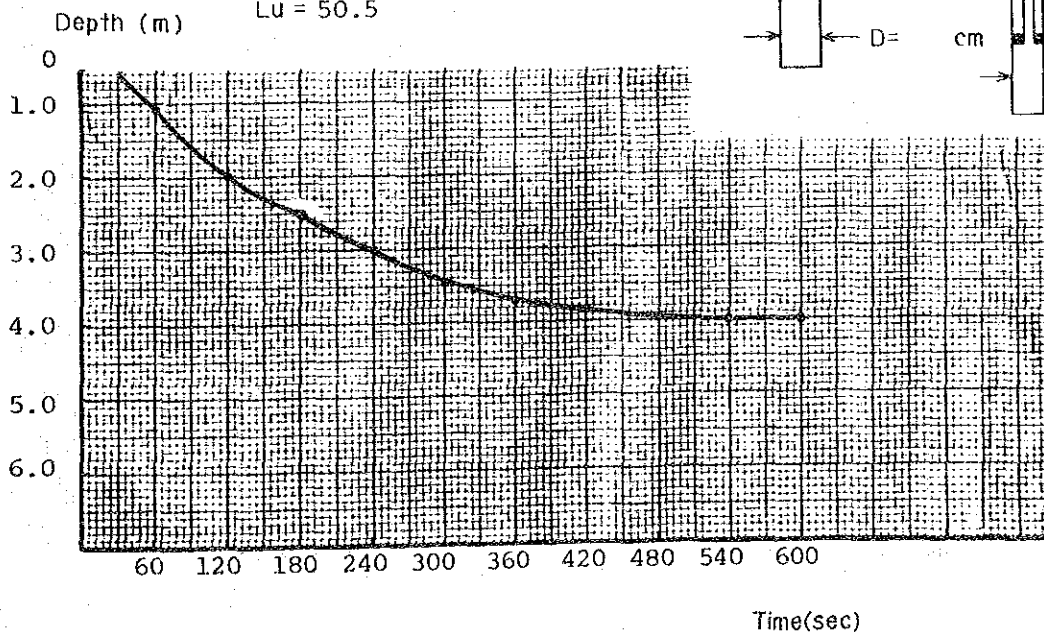
$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} - \ln \frac{2H_1 H_2 - L H_2}{2H_1 H_2 - L H_1} \right)$



$k = 6.25 \times 10^{-4}$   
 $Lu = 50.5$



Time(sec)

Fig. D-4 Result of Water Head Falling Test Saddle Damsite BSS2 (1/6)

WATER HEAD FALLING METHOD

DATE: 12 JAN. 84

BORE HOLE No. BSS2

TESTING SECTION: \_\_\_\_\_

TEST LOCATION: BERIS SADDLE DAM

TESTING SECTION: 3.00 - 5.00 m

DEPTH FROM 3.0M TO 5.0M

STATIC WATER LEVEL No: Nil M

TIME FROM 11:33 min. TO 11:39 min.

GAGE HEIGHT: \_\_\_\_\_ M

Radius of bore hole  $r$  3.4 cm  
 Length of test section  $L$ : 2 m  
 Height of casing top from ground level  $H$ : 0 m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t: sec	cm	cm
11 : 33	0	0	0
11 : 35	120	59	59
11 : 37	120	117	58
11 : 39	120	175	58
:			
:			
:			
:			
:			
:			
:			

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

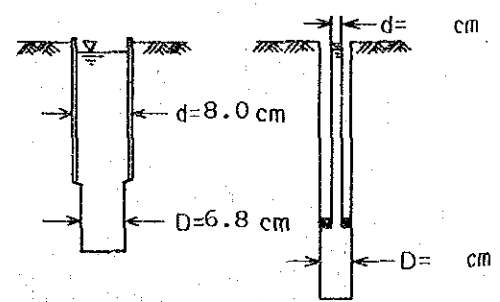
(3)  $T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

$V$  : volume of entering test section in period  $t$

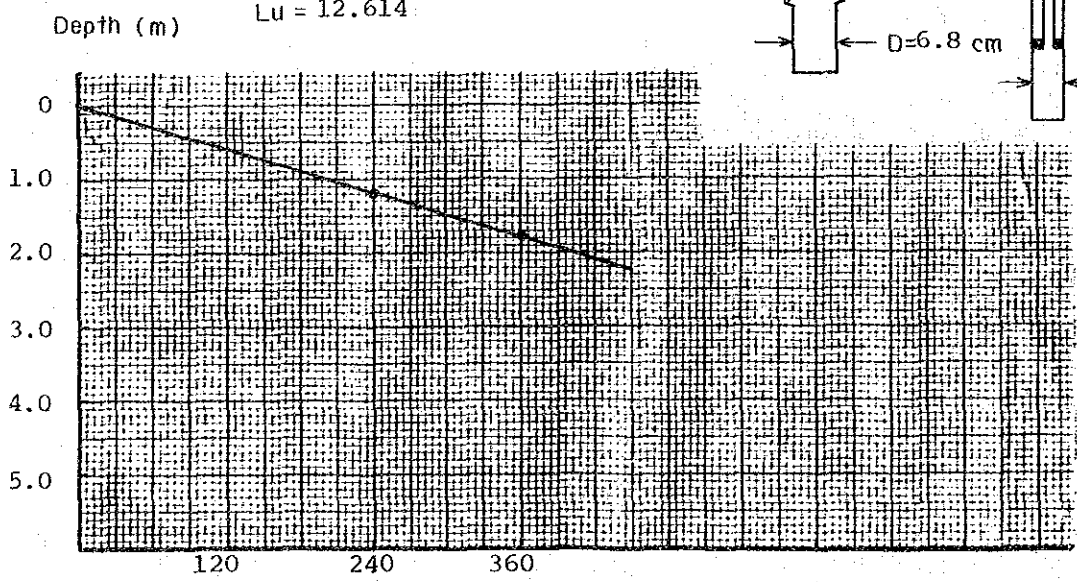
(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$

$-\ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1}$



$k = 1.363 \times 10^{-4}$

$Lu = 12.614$



Time(sec)



Fig. D-5 Result of Water Head Falling Test Saddle Damsite BSS2 (2/6)

WATER HEAD FALLING METHOD

DATE: 13 JAN. 84

BORE HOLE No. : BSS2

TESTING SECTION :

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 5.00 - 10.00 m

DEPTH FROM 5.0 M TO 0.0 M

STATIC WATER LEVEL No : -6.20 M

TIME FROM 15:28 min. TO 15:48 min.

GAGE HEIGHT : M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
15 :28	0	0	0
15 :33	300	55	55
15 :38	300	110	55
15 :43	300	165	55
15 :48	300	200	55
:			
:			
:			
:			
:			

Radius of bore hole  $r = 3.4$  cm  
 Length of test section  $L = 5$  m  
 Height of casing top from ground level  $H = 0$  m

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

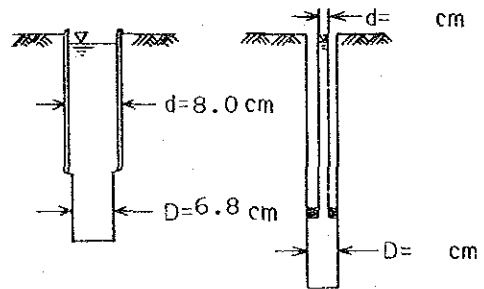
(3)  $T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$

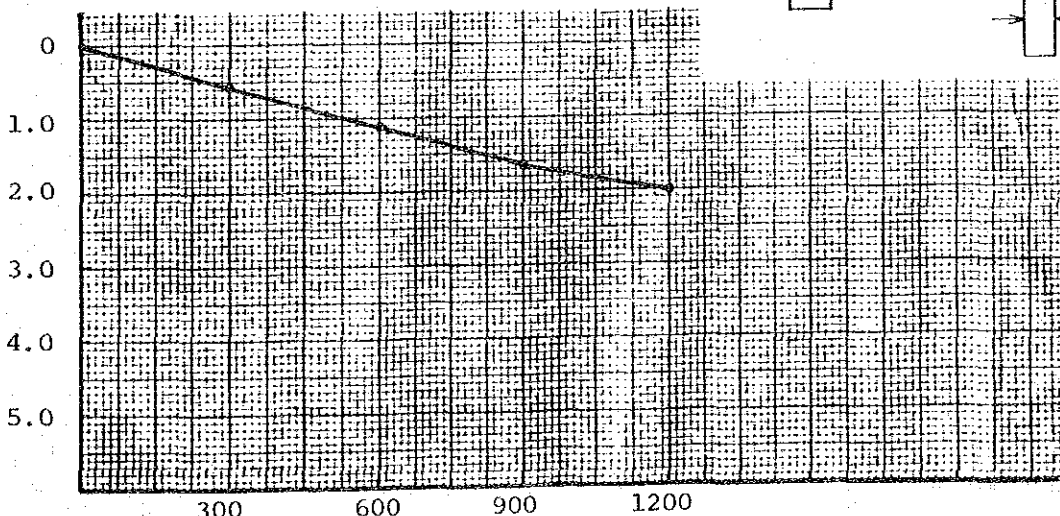
$-\ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1}$



$k = 1.8725 \times 10^{-5}$

$Lu = 1.4144$

Depth (m)



Time(sec)

Fig. D-6 Result of Water Head Falling Test Saddle Damsite BSS2 (3/6)

WATER HEAD FALLING METHOD

DATE: 14 JAN. 84

BORE HOLE No. : BSS2

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 10.00 - 15.00 m

DEPTH FROM 10 M TO 15 M

STATIC WATER LEVEL No : -11.70 M

TIME FROM 08:50 min TO 08:56 min.

GAGE HEIGHT : \_\_\_\_\_ M.

Radius of bore hole  $r = 3.4$  cm  
 Length of test section  $L = 5$  m  
 Height of casing top from ground level  $H = 0$  m.

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
8 : 50	0	0	0
8 : 52	120	63	63
8 : 54	120	126	63
8 : 56	120	189	63
:			
:			
:			
:			
:			
:			

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

(3)  $T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$

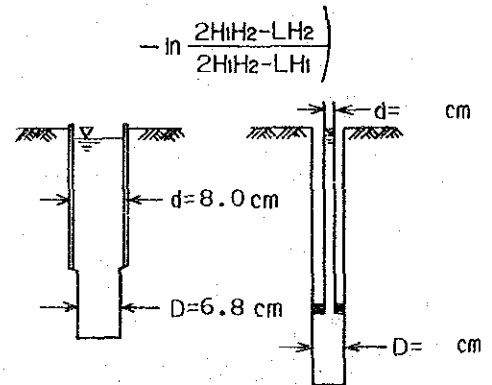
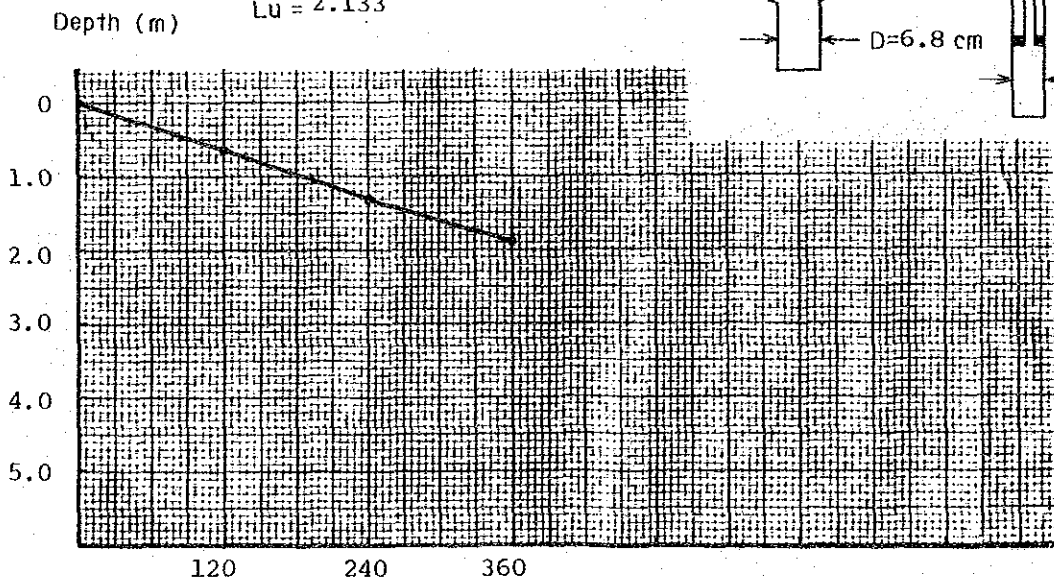
$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} - \ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1} \right)$

$k = 2.823 \times 10^{-5}$

$Lu = 2.133$



Time(sec)

Fig. D-7 Result of Water Head Falling Test Saddle Damsite BSS2 (4/6)

WATER HEAD FALLING METHOD

DATE: 14 JAN. 84

BORE HOLE No. : BSS2

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 10.00 - 20.00 m

DEPTH FROM 10 M TO 20 M

STATIC WATER LEVEL No : -12.00 M

TIME FROM 15:00 min. TO 15:15 min.

GAGE HEIGHT : \_\_\_\_\_ M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
15 : 00	0	0	0
:	29	100	100
:	32	200	100
:	32	300	100
:			
:			
:			
:			
:			
:			
:			

Radius of bore hole  $r$ : 3.4 cm  
 Length of test section  $L$ : 10 m  
 Height of casing top from ground level  $H$ : 0 m

CASE

$$(1) K = \frac{Q}{5.5xHx60}$$

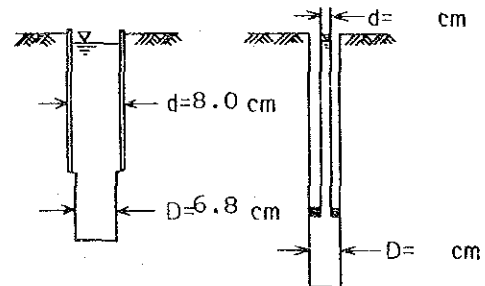
$$(2) K = \frac{r^2}{2L(t_2-t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$$

$$(3) T = V / (2xrx(H_2-H_1)x(t_2-t_1))$$

$$K = T/L$$

$V$  : volume of entering test section in period  $t$

$$(4) K = \frac{r^2}{2xLxt} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1-L}{2H_2-L} - \ln \frac{2H_1H_2-LH_2}{2H_1H_2-LH_1} \right)$$



$$k = 1.783 \times 10^{-4}$$

$$Lu = 13.471$$

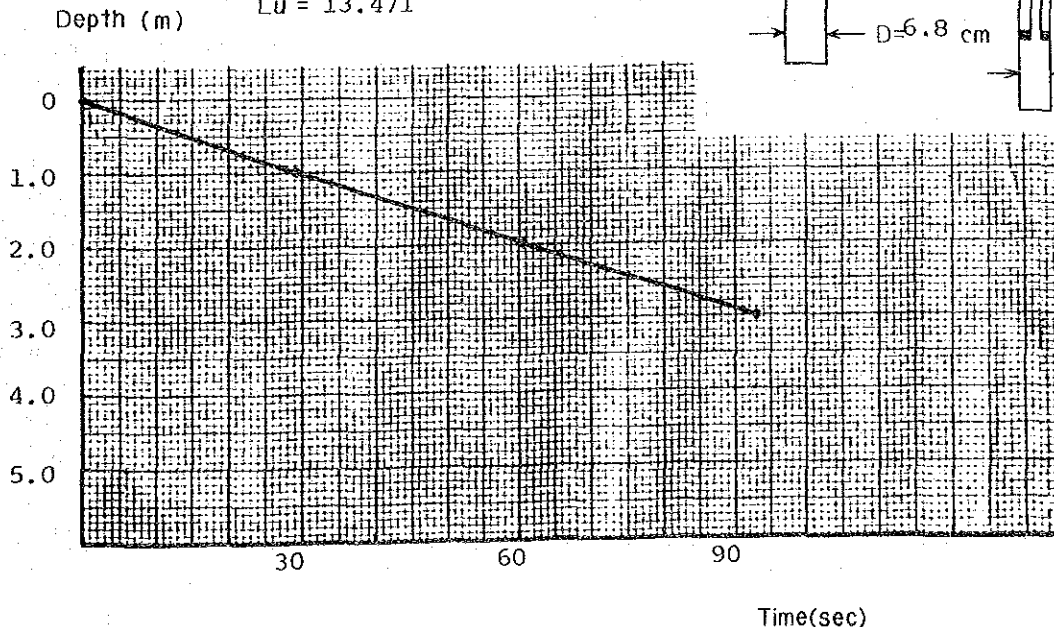


Fig. D-8 Result of Water Head Falling Test Saddle Damsite BSS2 (5/6)

WATER HEAD FALLING METHOD

DATE: 16 JAN. 84

BORE HOLE No. : BSS2

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 20.00 - 25.00 m

DEPTH FROM 20 M TO 25 M

STATIC WATER LEVEL No : -20.60 M

TIME FROM 08:25 min. TO 08:26 min.

GAGE HEIGHT : \_\_\_\_\_ M

Radius of bore hole  $r$  : 3.4 cm  
 Length of test section  $L$  : 5 m  
 Height of casing top from ground level  $H$  : 0 m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
8 : 25	0	0	0
:	7	100	100
:	8	200	100
:	8	300	100
:	8	400	100
:			
:			
:			
:			
:			
:			

CASE

(1)  $K = \frac{Q}{5.5 \times H \times 60}$

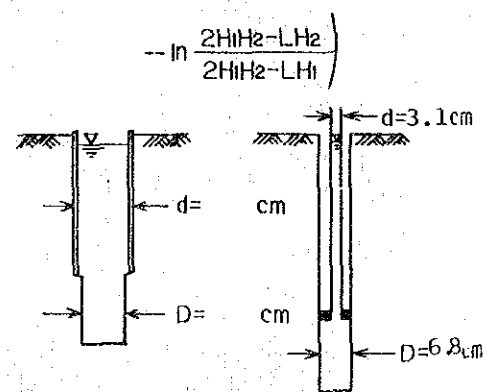
(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

(3)  $T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

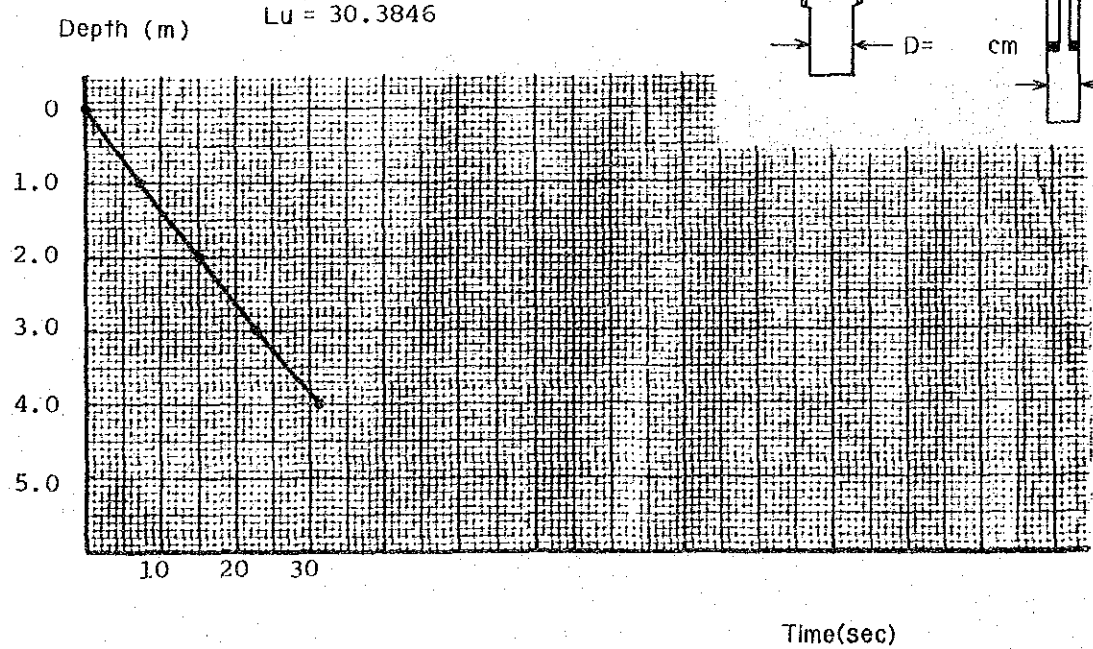
$V$  : volume of entering test section in period  $t$

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$



$k = 4.0225 \times 10^{-4}$

$Lu = 30.3846$



Time(sec)

Fig. D-9 Result of Water Head Falling Test Saddle Damsite BSS2 (6/6)

WATER HEAD FALLING METHOD

DATE: 16 JAN. 84

BORE HOLE No. : BSS2

TESTING SECTION :

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 25.00 - 30.00 m

DEPTH FROM M TO 30 M

STATIC WATER LEVEL No : -20.6 M

TIME FROM 18:35 min. TO 18:36 min.

GAGE HEIGHT : M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
18 : 35	0	0	0
:	4	100	100
:	8	300	200
:			
:			
:			
:			
:			
:			
:			

Radius of bore hole r: 3.4 cm  
 Length of test section L: 5 m  
 Height of casing top from ground level H: 0 m

CASE

$$(1) K = \frac{Q}{5.5 \times H \times 60}$$

$$(2) K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$$

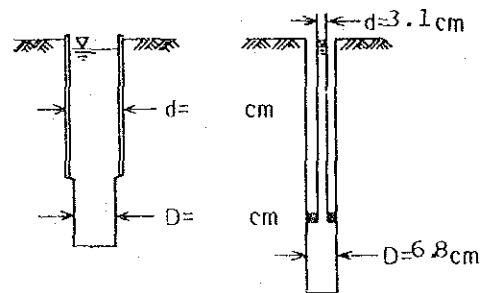
$$(3) T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$$

$$K = T / L$$

V : volume of entering test section in period t

$$(4) K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$$

$$-- \ln \frac{2H_1 H_2 - L H_2}{2H_1 H_2 - L H_1}$$



$$k = 7.47 \times 10^{-4}$$

$$Lu = 56.4259$$

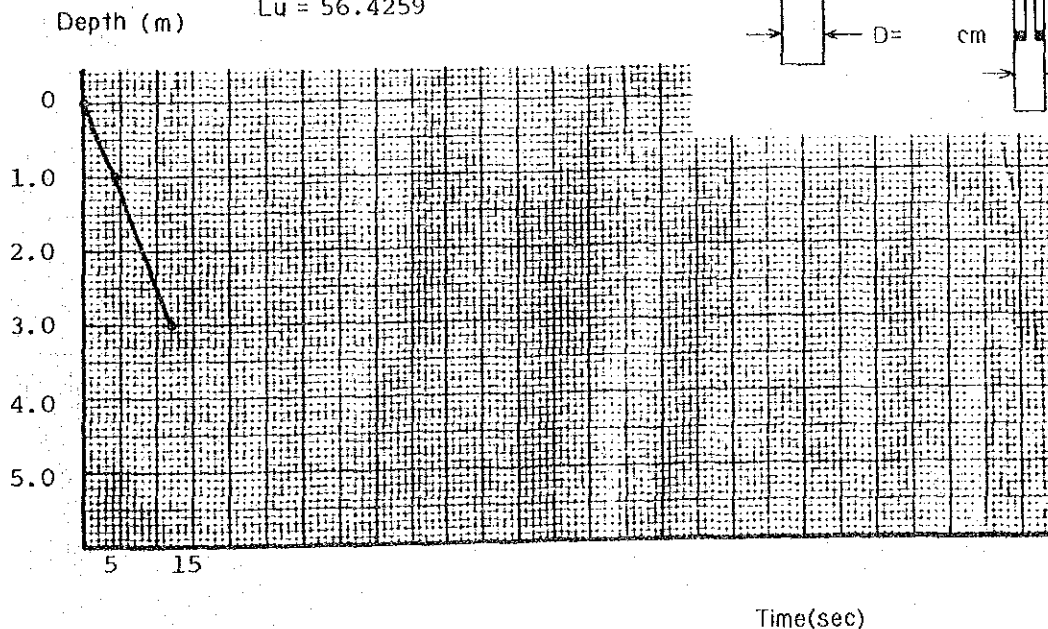


Fig. D-10 Result of Water Head Falling Test Saddle Damsite BSS3 (1/4)

WATER HEAD FALLING METHOD

DATE: 16 JAN. 84

BORE HOLE No. BSS3

TESTING SECTION: \_\_\_\_\_

TEST LOCATION: BERIS SADDLE DAM

TESTING SECTION: 4.00 - 6.00 m

DEPTH FROM 3 M TO 5 M

STATIC WATER LEVEL No: -4.1 M

TIME FROM 12:41 min. TO 12:56 min.

GAGE HEIGHT: \_\_\_\_\_ M

Radius of bore hole r: 3.4 cm  
 Length of test section L: 2 m  
 Height of casing top from ground level H: 0 m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
12 : 41	0	0	0
12 : 46	300	35	35
12 : 51	300	70	35
12 : 56	300	105	35
:			
:			
:			
:			
:			
:			
:			

CASE  
 (1)  $K = \frac{Q}{5.5xHx60}$

(2)  $K = \frac{r^2}{2L(t_2-t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

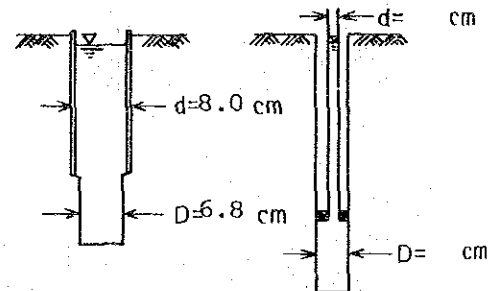
(3)  $T = V / (2xrx(H_2-H_1)x(t_2-t_1))$

$K = T/L$

V : volume of entering test section in period t

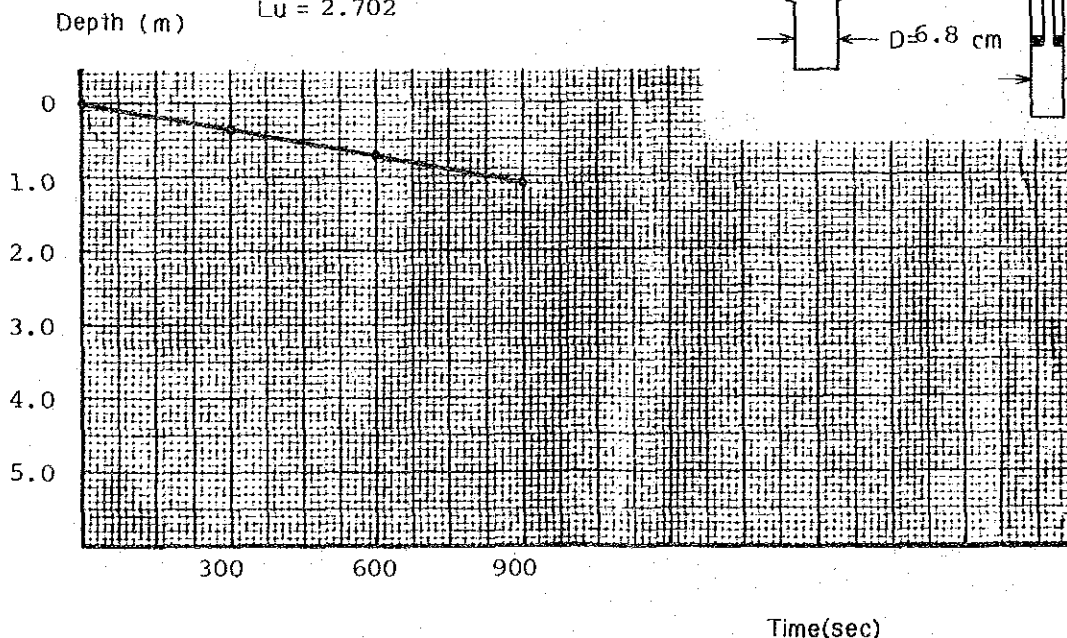
(4)  $K = \frac{r^2}{2xLxt} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1-L}{2H_2-L} \right)$

$-\ln \frac{2H_1H_2-LH_2}{2H_1H_2-LH_1}$



$k = 2.92 \times 10^{-5}$

$Lu = 2.702$



Time(sec)

Fig. D-11 Result of Water Head Falling Test Saddle Damsite BSS3 (2/4)

WATER HEAD FALLING METHOD

DATE: 16 JAN. 84

BORE HOLE No. : BSS3

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 5.00 - 10.00 m

DEPTH FROM 5 M TO 10 M

STATIC WATER LEVEL No : -4.1 M

TIME FROM 18:13 min. TO 18:16 min.

GAGE HEIGHT : M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t sec	cm	cm
18 : 13	0	0	0
:	60	17	17
:	60	30	13
:	60	43	13
:			
:			
:			
:			
:			
:			

Radius of bore hole  $r$  3.4 cm  
 Length of test section  $L$  : 5 m  
 Height of casing top from ground level  $H$  : 0 m

CASE

$$(1) K = \frac{Q}{5.5 \times H \times 60}$$

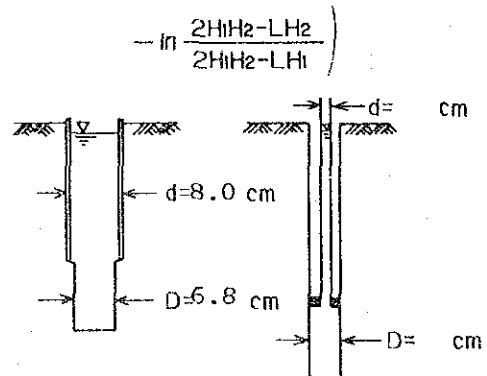
$$(2) K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$$

$$(3) T = V / (2\pi r x (H_2 - H_1) x (t_2 - t_1))$$

$$K = T / L$$

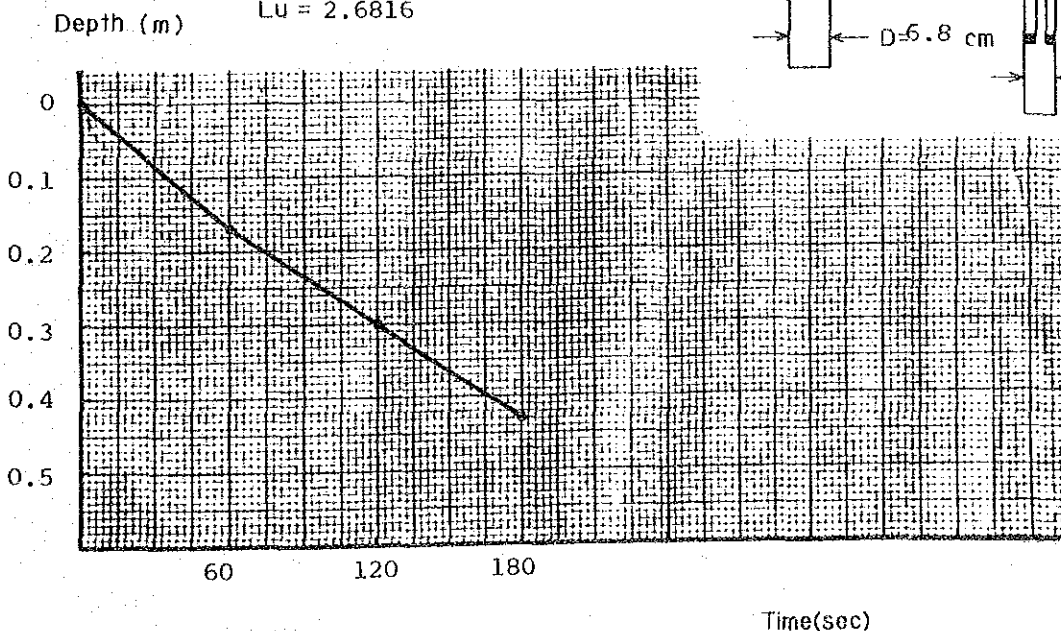
$V$  : volume of entering test section in period  $t$

$$(4) K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} - \ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1} \right)$$



$$k = 3.55 \times 10^{-5}$$

$$Lu = 2.6816$$



Time(sec)

Fig. D-12 Result of Water Head Falling Test Saddle Damsite BSS3 (3/4)

WATER HEAD FALLING METHOD

DATE: 17 JAN. 84

BORE HOLE No. BSS3

TESTING SECTION: \_\_\_\_\_

TEST LOCATION: BERIS SADDLE DAM

TESTING SECTION: 10.00 - 15.00 m

DEPTH FROM 10 M TO 15 M

STATIC WATER LEVEL No: -4.1 M

TIME FROM 12:10 min. TO 12:15 min.

GAGE HEIGHT: \_\_\_\_\_ M

Radius of bore hole r=3.4 cm  
 Length of test section L: 5 m  
 Height of casing top from ground level H: 0 m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
12 : 10	0	0	0
:	60	24	24
:	60	47	23
:	60	70	23
:	60	92	22
:	60	114	22
:			
:			
:			
:			

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

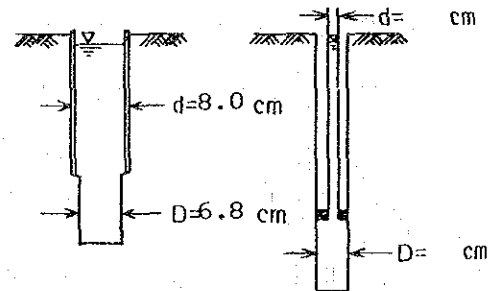
(3)  $T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$

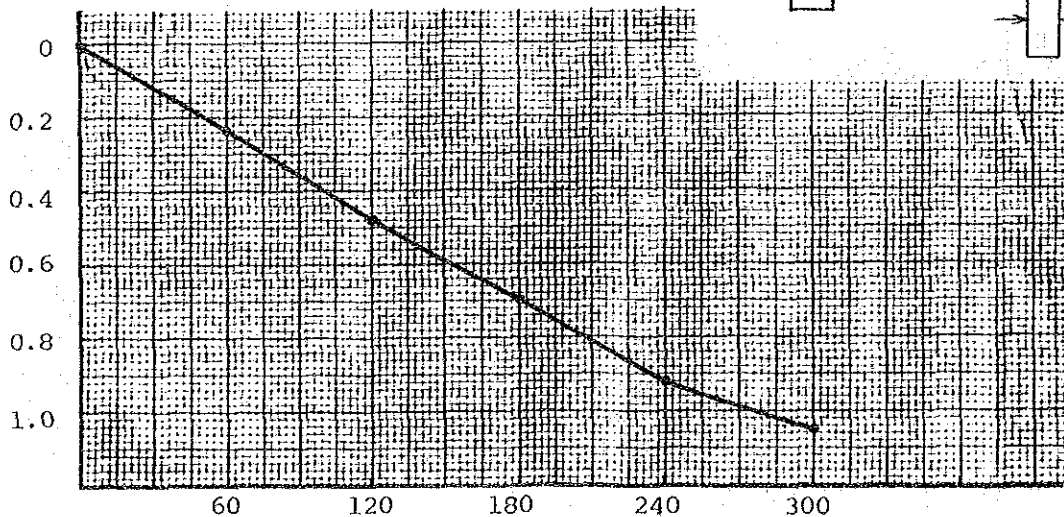
$-\ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1}$



$k = 6.264 \times 10^{-5}$

$Lu = 4.7316$

Depth (m)



Time(sec)



Fig. D-13 Result of Water Head Falling Test Saddle Damsite BSS3 (4/4)

WATER HEAD FALLING METHOD

DATE: 17 JAN. 84

BORE HOLE No. : BSS3

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 15.00 - 20.00 m

DEPTH FROM 15 M TO 20 M

STATIC WATER LEVEL No : -4.1 M

TIME FROM 17:05 min. TO 17:11 min.

GAGE HEIGHT : \_\_\_\_\_ M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t sec	cm	cm
17 : 05	0	0	0
:	60	16	16
:	60	30	14
:	60	43	13
:	60	55	12
:	60	67	12
:	60	79	12
:			
:			
:			

Radius of bore hole  $r$ : 3.4 cm  
 Length of test section  $L$ : 5 m  
 Height of casing top from ground level  $H$ : 0 m

CASE

$$(1) K = \frac{Q}{5.5 \times H \times 60}$$

$$(2) K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$$

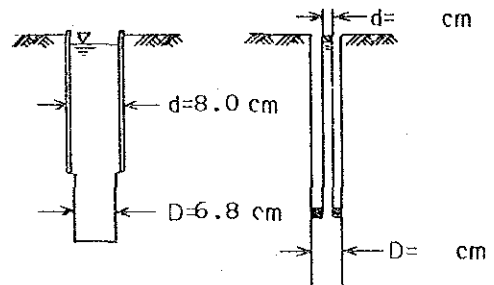
$$(3) T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$$

$$K = T / L$$

$V$  : volume of entering test section in period  $t$

$$(4) K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right.$$

$$\left. - \ln \frac{2H_1 H_2 - L H_2}{2H_1 H_2 - L H_1} \right)$$



$$k = 3.478 \times 10^{-5}$$

$$Lu = 2.627$$

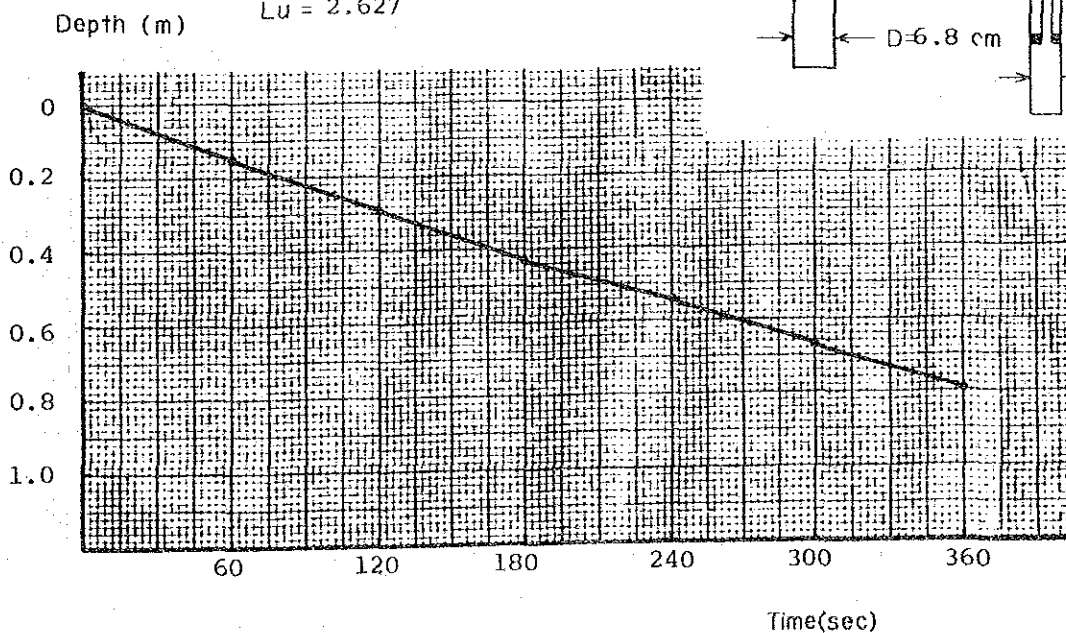


Fig. D-14 Result of Water Head Falling Test Saddle Damsite BSS4 (1/3)

WATER HEAD FALLING METHOD

DATE: 13 JAN. 84

BORE HOLE No. : BSS4

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 3.00 - 5.00 m

DEPTH FROM 3 M TO 5 M

STATIC WATER LEVEL No : Nil M

TIME FROM 11:40 min. TO 11:55 min.

GAGE HEIGHT : M

Radius of bore hole r: 3.4 cm  
 Length of test section L: 5 m  
 Height of casing top from ground level H: 0 m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t sec	cm	cm
11 : 40	0	0	0
11 : 45	300	7	7
11 : 50	300	14	7
11 : 55	300	21	7
:			
:			
:			
:			
:			
:			
:			

CASE  
 (1)  $K = \frac{Q}{5.5 \times H \times 60}$

(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

(3)  $T = V / (2 \times \alpha \times (H_2 - H_1) \times (t_2 - t_1))$

$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} - \ln \frac{2H_1 H_2 - L H_2}{2H_1 H_2 - L H_1} \right)$

$k = 5.22 \times 10^{-6}$

$Lu = 0.48$

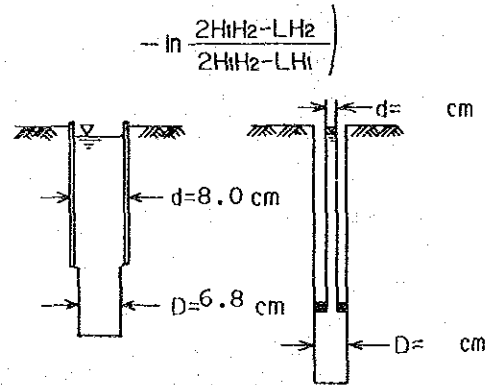
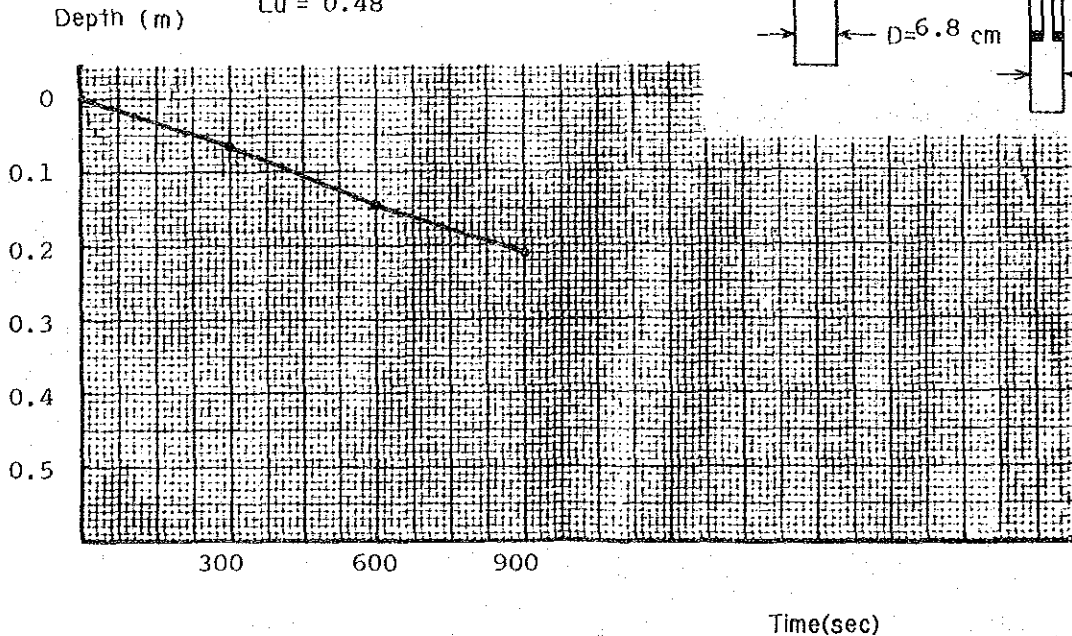


Fig. D-15 Result of Water Head Falling Test Saddle Damsite BSS4 (2/3)

WATER HEAD FALLING METHOD

DATE: 13 JAN. 84

BORE HOLE No. : BSS4

TESTING SECTION :

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 5.00 - 10.00 m

DEPTH FROM 5 M TO 10 M

STATIC WATER LEVEL No : M

TIME FROM 12:46 min. TO 12:49 min.

GAGE HEIGHT : M

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h : min.	t : sec	cm	cm
12 : 46	0	0	0
:	60	27	27
:	60	54	27
:	60	81	27
:			
:			
:			
:			
:			
:			

Radius of bore hole  $r = 3.4$  cm  
 Length of test section  $L = 5$  m  
 Height of casing top from ground level  $H = 0$  m

CASE

$$(1) K = \frac{Q}{5.5 \times H \times 60}$$

$$(2) K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$$

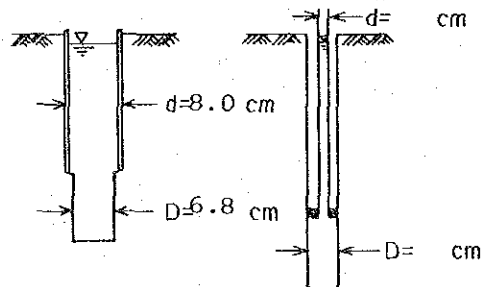
$$(3) T = V / (2 \times r \times (H_2 - H_1) \times (t_2 - t_1))$$

$$K = T / L$$

V : volume of entering test section in period t

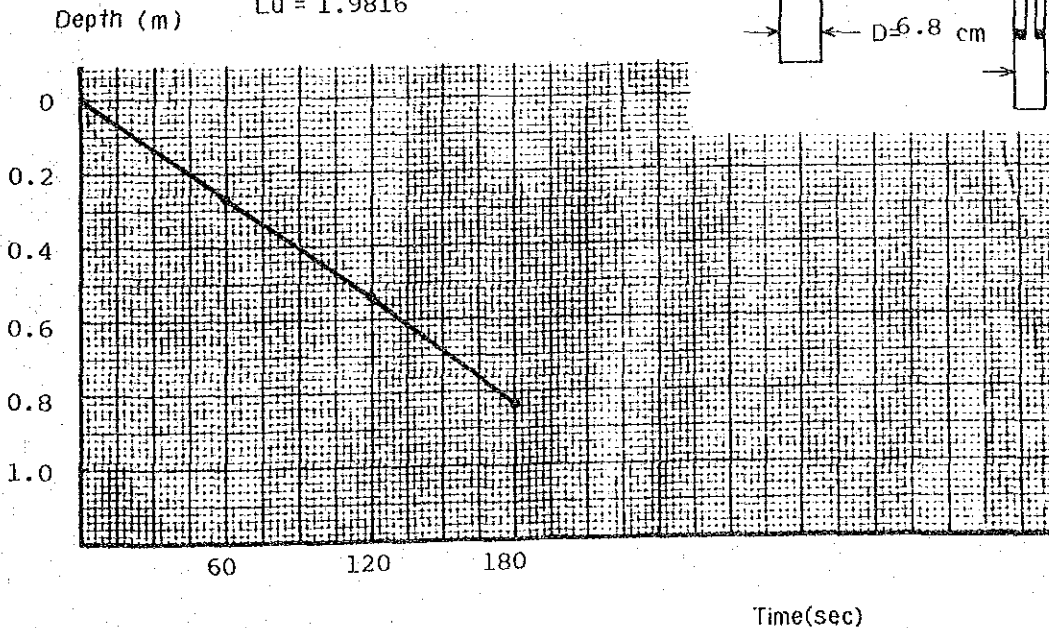
$$(4) K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} \right)$$

$$- \ln \frac{2H_1H_2 - LH_2}{2H_1H_2 - LH_1}$$



$$k = 2.623 \times 10^{-5}$$

$$Lu = 1.9816$$



Time(sec)

Fig. D-16 Result of Water Head Falling Test Saddle Damsite BSS4 (3/3)

WATER HEAD FALLING METHOD

DATE: 13 JAN. 84

BORE HOLE No. : BSS4

TESTING SECTION : \_\_\_\_\_

TEST LOCATION : BERIS SADDLE DAM

TESTING SECTION : 10.00 - 15.00 m

DEPTH FROM 10 M TO 15 M

STATIC WATER LEVEL No : -8.1 M

TIME FROM 18:30 min. TO 18:34 min.

GAGE HEIGHT : \_\_\_\_\_ M

Radius of bore hole  $r = 3.4$  cm  
 Length of test section  $L = 5$  m  
 Height of casing top from ground level  $H = 0$  m

TIME		WATER LEVEL FROM CASING TOP	DRAWDOWN H
h min.	t : sec	cm	cm
18 : 30	0	0	0
:	60	52	52
:	60	90	38
:	60	125	35
:	60	160	35
:			
:			
:			
:			
:			
:			

CASE

(1)  $K = \frac{Q}{5.5 \times H \times 60}$

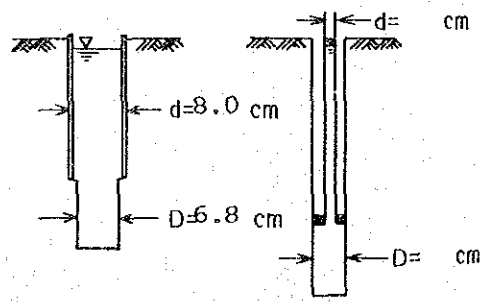
(2)  $K = \frac{r^2}{2L(t_2 - t_1)} \ln \frac{L}{r} \cdot \ln \frac{H_1}{H_2}$

(3)  $T = V / (2\pi r (H_2 - H_1) (t_2 - t_1))$

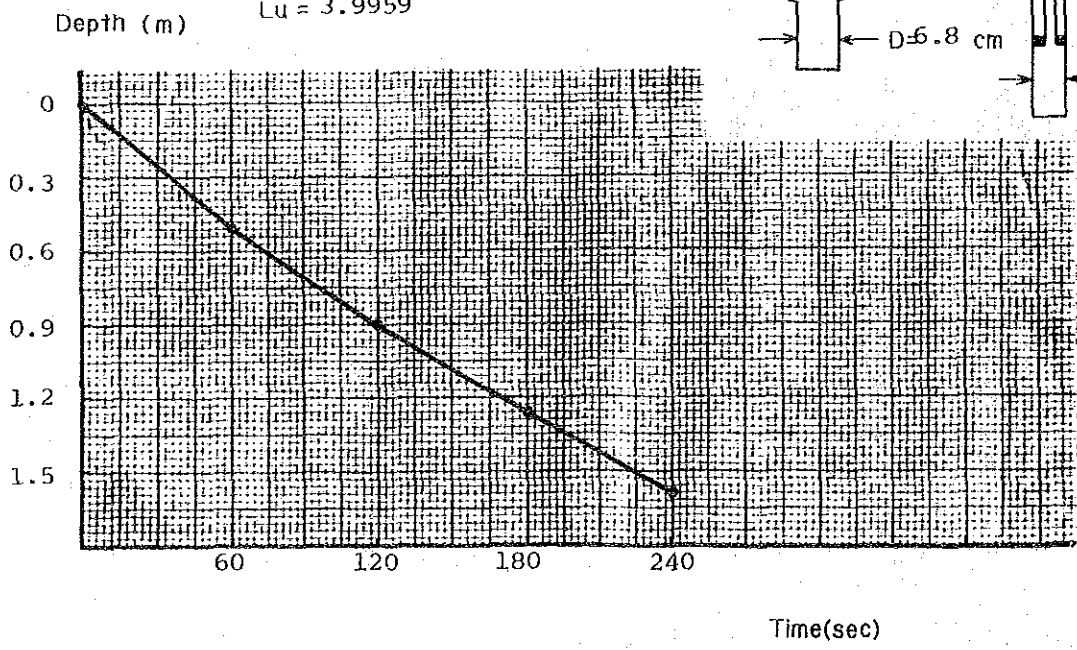
$K = T / L$

V : volume of entering test section in period t

(4)  $K = \frac{r^2}{2 \times L \times t} \left( \frac{\sinh^{-1}(L/R)}{2} \ln \frac{2H_1 - L}{2H_2 - L} - \ln \frac{2H_1 H_2 - L H_2}{2H_1 H_2 - L H_1} \right)$



$k = 5.29 \times 10^{-5}$   
 $Lu = 3.9959$



Time(sec)

***ANNEX H***  
***CONSTRUCTION MATERIAL***

