

7

**Groundwater Resources Development Project
Field Office
Dhangadhi, Kailali**

**INVESTIGATION DEEP TUBEWELL DETAILS
OF
KAILALI AND KANCHANPUR DISTRICTS**

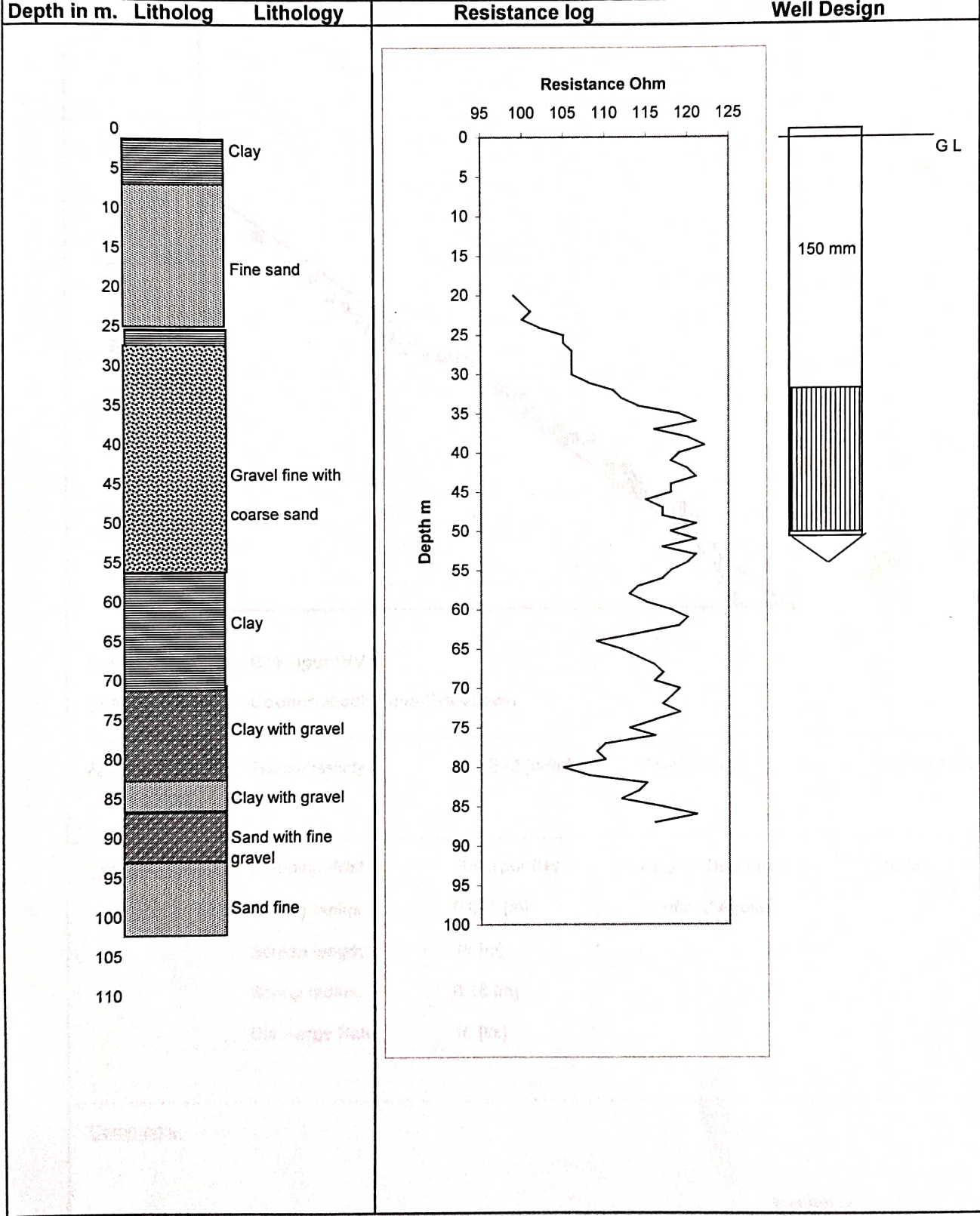
JULY, 2003

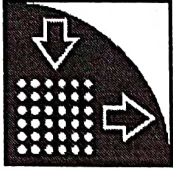
**Groundwater Resources Development Project
Field Office, Dhargadhi
Investigation Deep Tubewell Details (Summary)**

S.No.	District	Location	Well No	Well size (mm)	Total Drilling Depth (m)	Total Lowering (m)	Housing (m)	Screen Length (m)	Screen Position	Screen Type	Drilling Date (m/d/y)	Completion Date (m/d/y)	Static Water Level (m)	Drawdown (m)	Discharge lps	Drilled by	Log by	Remarks
1	Kanchanpur	Gokulpur (Laxmipur VDC)	INV 1	150 mm	100	54	33	18	33.5m-51.5m	Slotted 1.5mm Opening	2/10/55	2/25/55	4.9 m	0.58	10	A.K. Dubey	AP N.D. Bhatta	Inv. Prog.
2	Kanchanpur	IBRD, Kailika VDC	INV 2	250mm/150mm	106	100	42	18	79-97.25	Slotted 1.5mm Opening	2/23/55	3/2/55	10.44 m	9.58	28	A.K. Dubey	N.D. Bhatta	Inv. Prog.
3	Kanchanpur	Bhamka, Beldanda	INV 3	250mm/150mm	100	91	31	34	54-88	Slotted 1.5 mm opening	3/17/56	3/30/56	1.8 m	15.27	34	A. K. Dubey	N.D. Bhatta	Inv. Prog.
4	Kailali	Jamnaghari	INV 4	250mm/150mm	99	91	31	28	44-46, 52-65, 77-19	Slotted 1.5 mm Opening	4/9/56	4/20/56	Flowing	25.16	18	A. K. Dubey	N.D. Bhatta	Inv. Prog.
5	Kailali	Sukhad	INV 5	250mm/150mm	154	103	42	28	45-51, 63-66, 71-79, 90-101	Slotted 1.5 mm Opening	1/23/58	2/10/58	1.29 m	8.55	36	G. Gyawali	N.D. Bhatta	Inv. Prog.
6	Kanchanpur	Musepani	INV 6	250/150	80	80	36	15	64-79	10 mm perforated	3/15/58	3/30/58	4.48 m	7.06	36	G. Gyawali	N.D. Bhatta	Inv. Prog.
7	Kanchanpur	Bansa	INV 7	250mm/150mm	136	132	36	27.5	76-81.5, 86-93, 97.5-101.5, 126-128, 128-131	Slotted 1.5 mm opening	1/31/57	2/16/57	Flowing	32	3	G. Gyawali	N.D. Bhatta	NISP
8	Kanchanpur	Parasan-3	INV 8	250mm/150mm	112	107	45	40	64-104	Slotted 1.5 mm opening	5/12/59	12/25/59	13.50 m	18	25	G. Gyawali	S. M. Shakya	NISP
9	Kanchanpur	Parasan-6	INV-9	250mm/150mm	130	124	40	46	40-46, 82-122	Slotted 1.5 mm Opening	12/26/59	1/15/60	13 m	19	25	G. Gyawali	S. M. Shakya	NISP

WELL DETAILS

Project: Groundwater Investigation	Program: Investigation Deep Tubewell
Well No: INV-1	Housing : 33 m
Location: Gokulpur (Laxmipur VDC), Kanchanpur	Screen Position: 33.5-51.5 m
Drilling depth: 100 m.	Total length of screen: 18 m
Lowering depth: 54 m.	Drilling started date: 2055/2/10
Static water level : 4.90 m	Completion date: 2055/2/25
Pumping water level: 5.48 m max.	Drilled by: A. K. Dubey
Drawdown/Discharge: 0.58 m./ 10 lps	Log by: A. P. Bhatta





Groundwater Resources Development Project

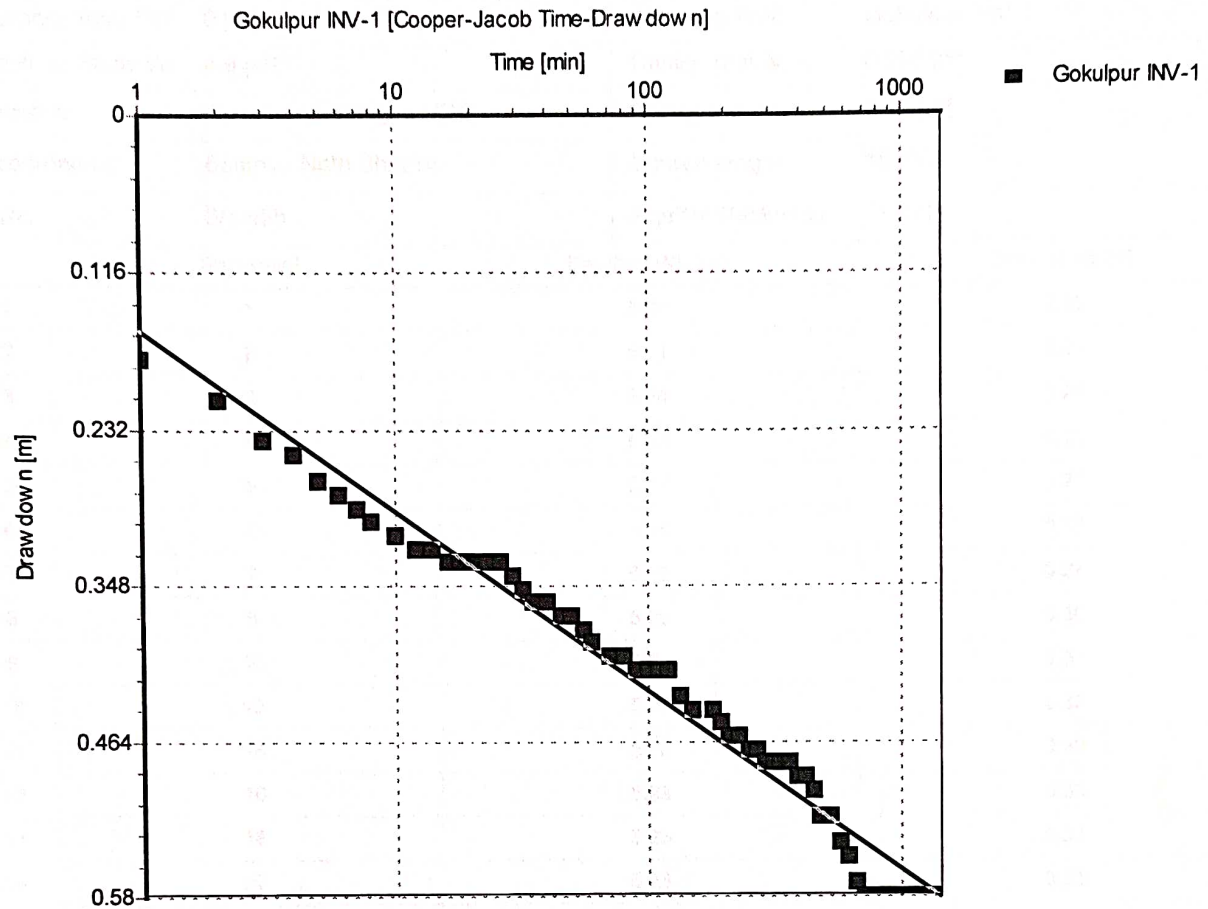
Field Office, Dhangadhi, Kailali

Phone 091-521213

Pumping Test Analysis Report

Project:

Gokulpur INV-1



Pumping Test: Gokulpur INV-1

Analysis Method: Cooper-Jacob Time-Drawdown

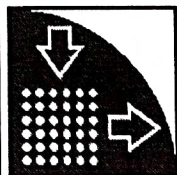
Analysis Results: Transmissivity: 1.18E+3 [m²/d] Conductivity: 6.57E+1 [m/d]

Test parameters: Pumping Well: Gokulpur INV-1 Aquifer Thickness: 18 [m]
 Casing radius: 0.075 [m] Confined Aquifer
 Screen length: 18 [m]
 Boring radius: 0.15 [m]
 Discharge Rate: 10 [l/s]

Comments:

Evaluated by:

Evaluation Date: 10/10/03

**Groundwater Resources Development Project**

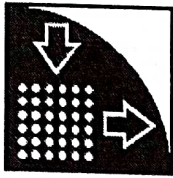
Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Gokulpur INV-1

Data observed at: Gokulpur INV-1		Pumping Test: Gokulpur INV-1	
Distance from PW: 0 [m]		Pumping Well: Gokulpur INV-1	
Depth to Static WL: 4.9 [m]		Casing radius: 0.075 [m]	
Location: Gokulpur, Laxmipur VDC		Boring radius: 0.15 [m]	
Recorded by: Baidhya Nath Sharma		Screen length: 18 [m]	
Date: 3/14/55		Aquifer Thickness: 18 [m]	
	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	5.08	0.18
2	2	5.11	0.21
3	3	5.14	0.24
4	4	5.15	0.25
5	5	5.17	0.27
6	6	5.18	0.28
7	7	5.19	0.29
8	8	5.20	0.30
9	10	5.21	0.31
10	12	5.22	0.32
11	14	5.22	0.32
12	16	5.23	0.33
13	18	5.23	0.33
14	20	5.23	0.33
15	23	5.23	0.33
16	26	5.23	0.33
17	29	5.24	0.34
18	32	5.25	0.35
19	35	5.26	0.36
20	40	5.26	0.36
21	45	5.27	0.37
22	50	5.27	0.37
23	55	5.28	0.38
24	60	5.29	0.39
25	70	5.30	0.40
26	80	5.30	0.40
27	90	5.31	0.41
28	100	5.31	0.41
29	110	5.31	0.41
30	120	5.31	0.41
31	135	5.33	0.43



Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
Phone : 091-521213

Pumping Test Data Report

Project: Gokulpur INV-1

Data observed at: Gokulpur INV-1		Pumping Test: Gokulpur INV-1	
Distance from PW: 0 [m]		Pumping Well: Gokulpur INV-1	
Depth to Static WL: 4.9 [m]		Casing radius: 0.075 [m]	
Location: Gokulpur, Laxmipur VDC		Boring radius: 0.15 [m]	
Recorded by: Baidhya Nath Sharma		Screen length: 18 [m]	
Date: 3/14/55		Aquifer Thickness: 18 [m]	
	Time [min]	Depth to WL [m]	Drawdown [m]
32	150	5.34	0.44
33	180	5.34	0.44
34	195	5.35	0.45
35	210	5.36	0.46
36	230	5.36	0.46
37	250	5.37	0.47
38	270	5.37	0.47
39	290	5.38	0.48
40	310	5.38	0.48
41	330	5.38	0.48
42	360	5.38	0.48
43	390	5.39	0.49
44	420	5.39	0.49
45	450	5.40	0.50
46	480	5.42	0.52
47	525	5.42	0.52
48	570	5.44	0.54
49	615	5.45	0.55
50	660	5.47	0.57
51	720	5.48	0.58
52	780	5.48	0.58
53	840	5.48	0.58
54	900	5.48	0.58
55	960	5.48	0.58
56	1080	5.48	0.58
57	1200	5.48	0.58
58	1320	5.48	0.58
59	1440	5.48	0.58

WELL DETAILS

Project: Groundwater Investigation

Program: Investigation Deep Tubewell

Well No: INV-2

Housing : 42 m

Location: IBRD, Kanchanpur

Screen Position: 79-97.25,

Drilling depth: 106 m.

Total length of screen: 18 m

Lowering depth: 100 m.

Drilling started date: 2055/2/23

Static water level : 10.44 m

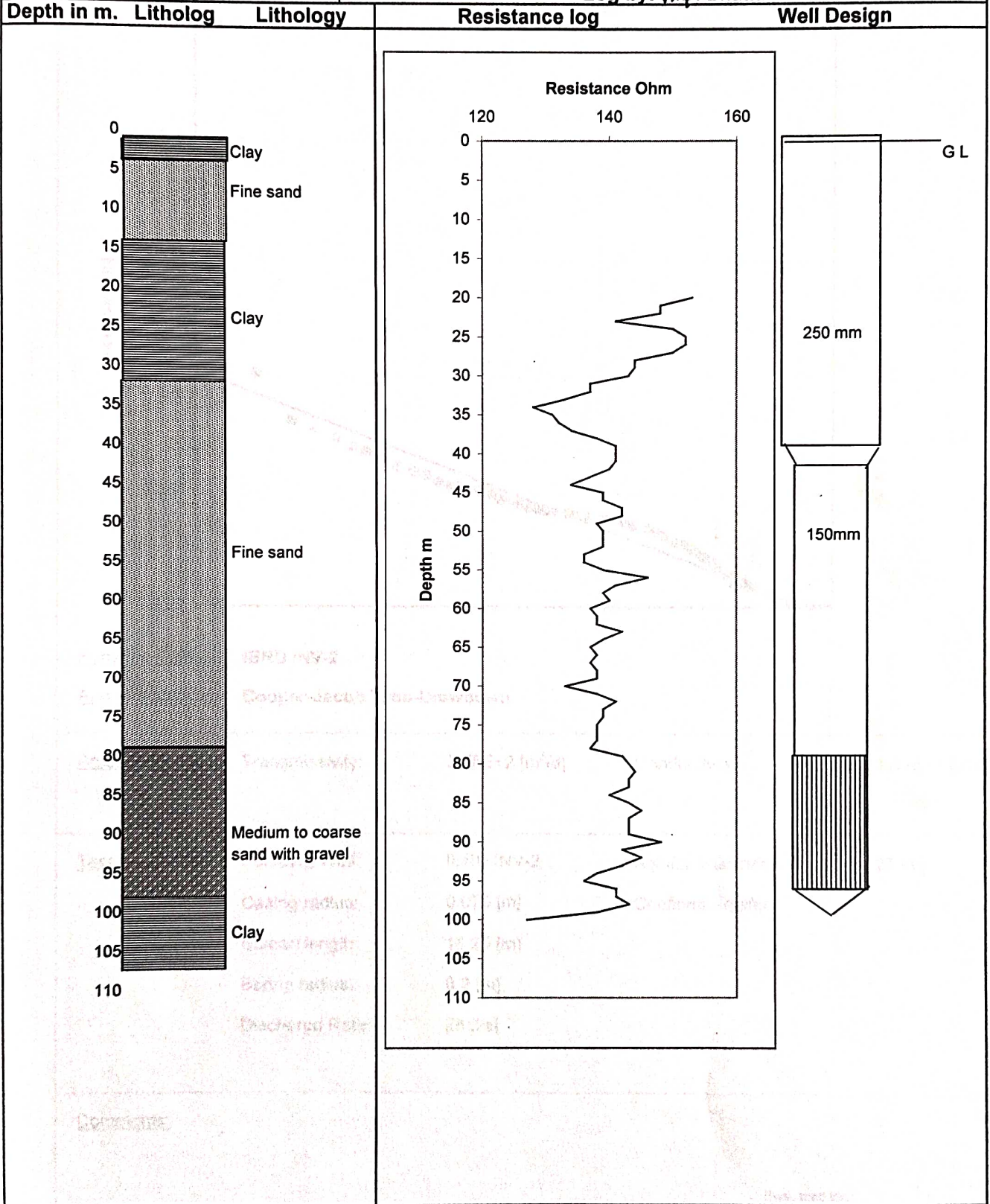
Completion date: 2055/3/2

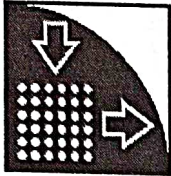
Pumping water level: 17.07 m max.

Drilled by: A. K. Dubey

Drawdown/Discharge: 9.58 m./ 28 lps

Log by: R.D. Bhatta





Groundwater Resources Development Project

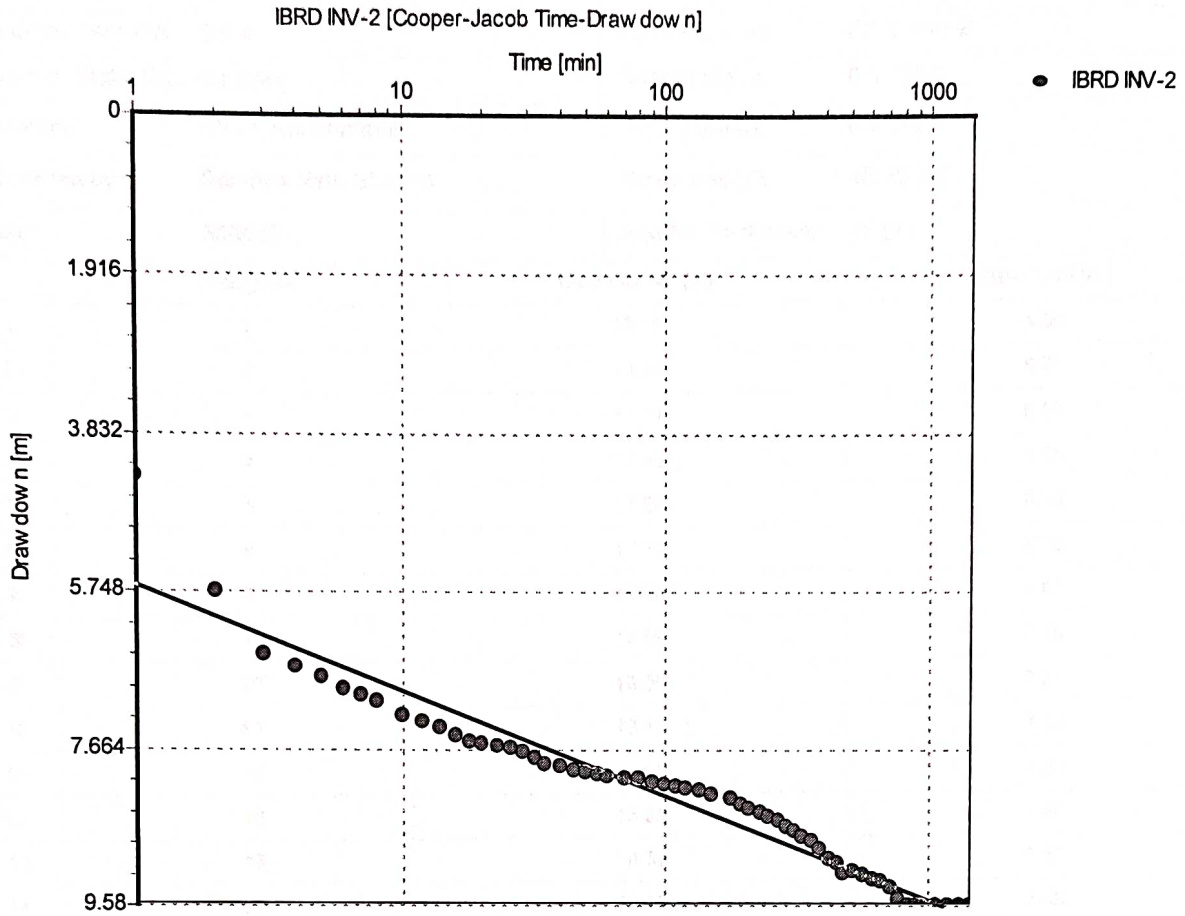
Field Office, Dhangadhi, Kailali

Phone 091-521213

Pumping Test Analysis Report

Project:

IBRD INV-2



Pumping Test: IBRD INV-2

Analysis Method: Cooper-Jacob Time-Drawdown

Analysis Results: Transmissivity: 3.46E+2 [m²/d] Conductivity: 1.28E+1 [m/d]

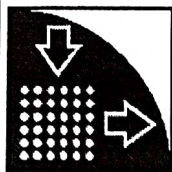
Test parameters:

Pumping Well:	IBRD INV-2	Aquifer Thickness:	27 [m]
Casing radius:	0.075 [m]	Confined Aquifer	
Screen length:	18.25 [m]		
Boring radius:	0.2 [m]		
Discharge Rate:	28 [l/s]		

Comments:

Evaluated by:

Evaluation Date: 10/10/03



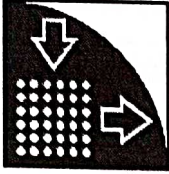
Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
Phone : 091-521213

Pumping Test Data Report

Project: IBRD INV-2

Data observed at: IBRD INV-2	Pumping Test: IBRD INV-2
Distance from PW: 0 [m]	Pumping Well: IBRD INV-2
Depth to Static WL: 10.8 [m]	Casing radius: 0.075 [m]
Location: IBRD, Kanchanpur	Boring radius: 0.2 [m]
Recorded by: Baidhya Nath Sharma	Screen length: 18.25 [m]
Date: 3/28/55	Aquifer Thickness: 27 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	15.16	4.36
2	2	16.54	5.74
3	3	17.31	6.51
4	4	17.45	6.65
5	5	17.58	6.78
6	6	17.73	6.93
7	7	17.80	7.00
8	8	17.89	7.09
9	10	18.05	7.25
10	12	18.12	7.32
11	14	18.19	7.39
12	16	18.29	7.49
13	18	18.37	7.57
14	20	18.39	7.59
15	23	18.43	7.63
16	26	18.46	7.66
17	29	18.49	7.69
18	32	18.58	7.78
19	35	18.64	7.84
20	40	18.66	7.86
21	45	18.72	7.92
22	50	18.74	7.94
23	55	18.77	7.97
24	60	18.79	7.99
25	70	18.81	8.01
26	80	18.83	8.03
27	90	18.86	8.06
28	100	18.89	8.09
29	110	18.91	8.11
30	120	18.94	8.14
31	135	18.96	8.16

**Groundwater Resources Development Project**

Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: IBRD INV-2

Data observed at: IBRD INV-2	Pumping Test: IBRD INV-2
Distance from PW: 0 [m]	Pumping Well: IBRD INV-2
Depth to Static WL: 10.8 [m]	Casing radius: 0.075 [m]
Location: IBRD, Kanchanpur	Boring radius: 0.2 [m]
Recorded by: Baidhya Nath Sharma	Screen length: 18.25 [m]
Date: 3/28/55	Aquifer Thickness: 27 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
32	150	19.02	8.22
33	180	19.06	8.26
34	195	19.14	8.34
35	210	19.19	8.39
36	230	19.25	8.45
37	250	19.28	8.48
38	270	19.33	8.53
39	290	19.42	8.62
40	310	19.47	8.67
41	330	19.55	8.75
42	360	19.59	8.79
43	390	19.69	8.89
44	420	19.81	9.01
45	450	19.86	9.06
46	480	19.98	9.18
47	525	19.97	9.17
48	570	20.02	9.22
49	615	20.05	9.25
50	660	20.09	9.29
51	720	20.15	9.35
52	780	20.31	9.51
53	840	20.37	9.57
54	900	20.38	9.58
55	960	20.38	9.58
56	1080	20.38	9.58
57	1200	20.38	9.58
58	1320	20.38	9.58
59	1440	20.38	9.58

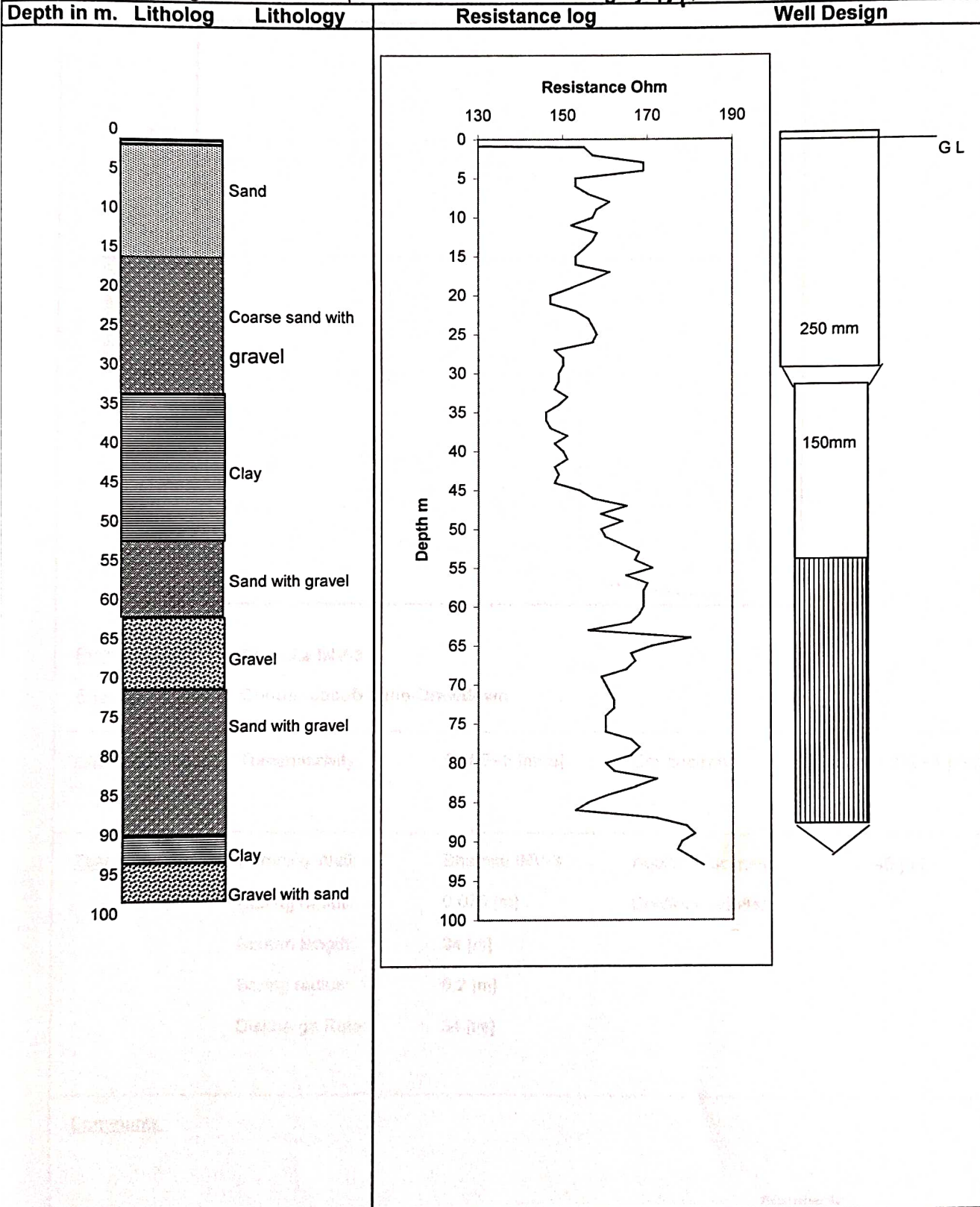
WELL DETAILS

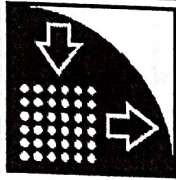
Project: Groundwater Investigation

Program: Investigation Deep Tubewell

Well No: INV-3
Location: Bhamka, Beldanda, Kanchanpur
Drilling depth: 100 m.
Lowering depth: 91 m.
Static water level : 1.8 m
Pumping water level: 17.07 m max.
Drawdown/Discharge: 15.27 m./ 34 lps

Housing : 31 m
Screen Position: 54-88
Total length of screen: 34 m
Drilling started date: 2056/3/17
Completion date: 2056/3/30
Drilled by: A. K. Dubey
Log by: A.D. Bhatta





Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

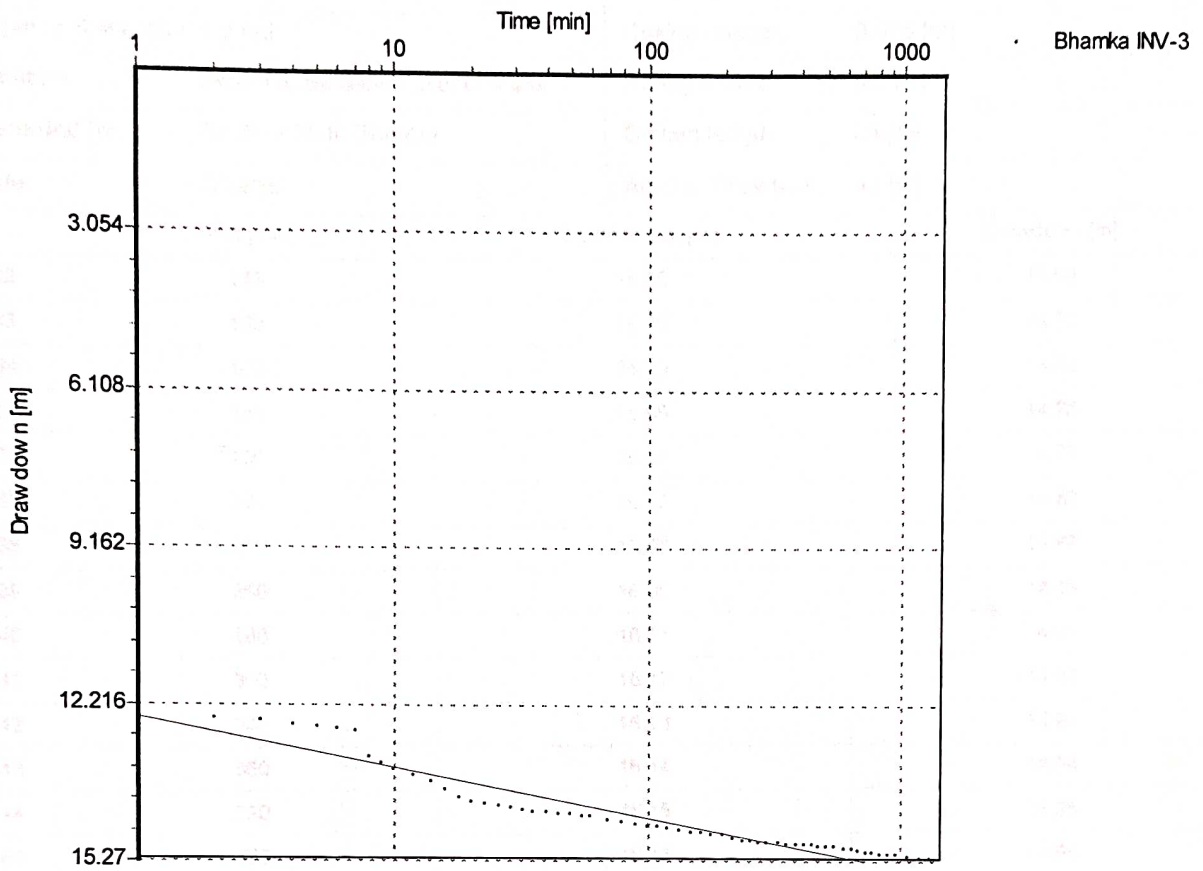
Phone 091-521213

Pumping Test Analysis Report

Project:

Bhamka INV-3

Bhamka INV-3 [Cooper-Jacob Time-Draw down]



Pumping Test: Bhamka INV-3

Analysis Method: Cooper-Jacob Time-Drawdown

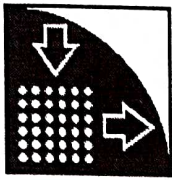
Analysis Results: Transmissivity: 5.46E+2 [m²/d] Conductivity: 1.21E+1 [m/d]

Test parameters: Pumping Well: Bhamka INV-3 Aquifer Thickness: 45 [m]
 Casing radius: 0.075 [m] Confined Aquifer
 Screen length: 34 [m]
 Boring radius: 0.2 [m]
 Discharge Rate: 34 [l/s]

Comments:

Evaluated by:

Evaluation Date: 10/10/03



Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Bhamka INV-3

Data observed at: Bhamka INV-3

Pumping Test: Bhamka INV-3

Distance from PW: 0 [m]

Pumping Well: Bhamka INV-3

Depth to Static WL: 1.2 [m]

Casing radius: 0.075 [m]

Location: Bhamka, Beldanda, Kanchanpur

Boring radius: 0.2 [m]

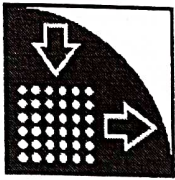
Recorded by: Baidhya Nath Sharma

Screen length: 34 [m]

Date: 4/19/56

Aquifer Thickness: 45 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
32	135	15.89	14.69
33	150	15.90	14.70
34	165	15.93	14.73
35	180	15.95	14.75
36	200	15.97	14.77
37	220	16.03	14.83
38	240	16.07	14.87
39	260	16.09	14.89
40	280	16.11	14.91
41	300	16.12	14.92
42	330	16.13	14.93
43	360	16.14	14.94
44	390	16.15	14.95
45	420	16.16	14.96
46	450	16.17	14.97
47	480	16.18	14.98
48	510	16.20	15.00
49	555	16.21	15.01
50	600	16.24	15.04
51	645	16.25	15.05
52	690	16.28	15.08
53	735	16.30	15.10
54	780	16.32	15.12
55	840	16.35	15.15
56	900	16.36	15.16
57	960	16.37	15.17
58	1080	16.38	15.18
59	1200	16.43	15.23
60	1320	16.45	15.25
61	1440	16.47	15.27



Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Bhamka INV-3

Data observed at: Bhamka INV-3

Pumping Test: Bhamka INV-3

Distance from PW: 0 [m]

Pumping Well: Bhamka INV-3

Depth to Static WL: 1.2 [m]

Casing radius: 0.075 [m]

Location: Bhamka, Beldanda, Kanchanpur

Boring radius: 0.2 [m]

Recorded by: Baidhya Nath Sharma

Screen length: 34 [m]

Date: 4/19/56

Aquifer Thickness: 45 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	13.69	12.49
2	2	13.72	12.52
3	3	13.76	12.56
4	4	13.82	12.62
5	5	13.86	12.66
6	6	13.89	12.69
7	7	13.96	12.76
8	8	14.47	13.27
9	9	14.58	13.38
10	10	14.71	13.51
11	12	14.80	13.60
12	14	14.95	13.75
13	16	15.10	13.90
14	18	15.24	14.04
15	20	15.32	14.12
16	23	15.38	14.18
17	26	15.42	14.22
18	29	15.45	14.25
19	32	15.48	14.28
20	35	15.51	14.31
21	40	15.54	14.34
22	45	15.56	14.36
23	50	15.58	14.38
24	55	15.60	14.40
25	60	15.61	14.41
26	70	15.67	14.47
27	80	15.71	14.51
28	90	15.77	14.57
29	100	15.79	14.59
30	110	15.81	14.61
31	120	15.83	14.63

WELL DETAILS

Project: Groundwater Investigation

Program: Investigation Deep Tubewell

Well No: INV-4

Housing : 31 m

Location: Jamunaghari, Kailali

Screen Position: 44-46, 52-65, 77-90.

Drilling depth: 99 m.

Total length of screen: 28 m

Lowering depth: 91 m.

Drilling started date: 2056/4/9

Static water level : Flowing

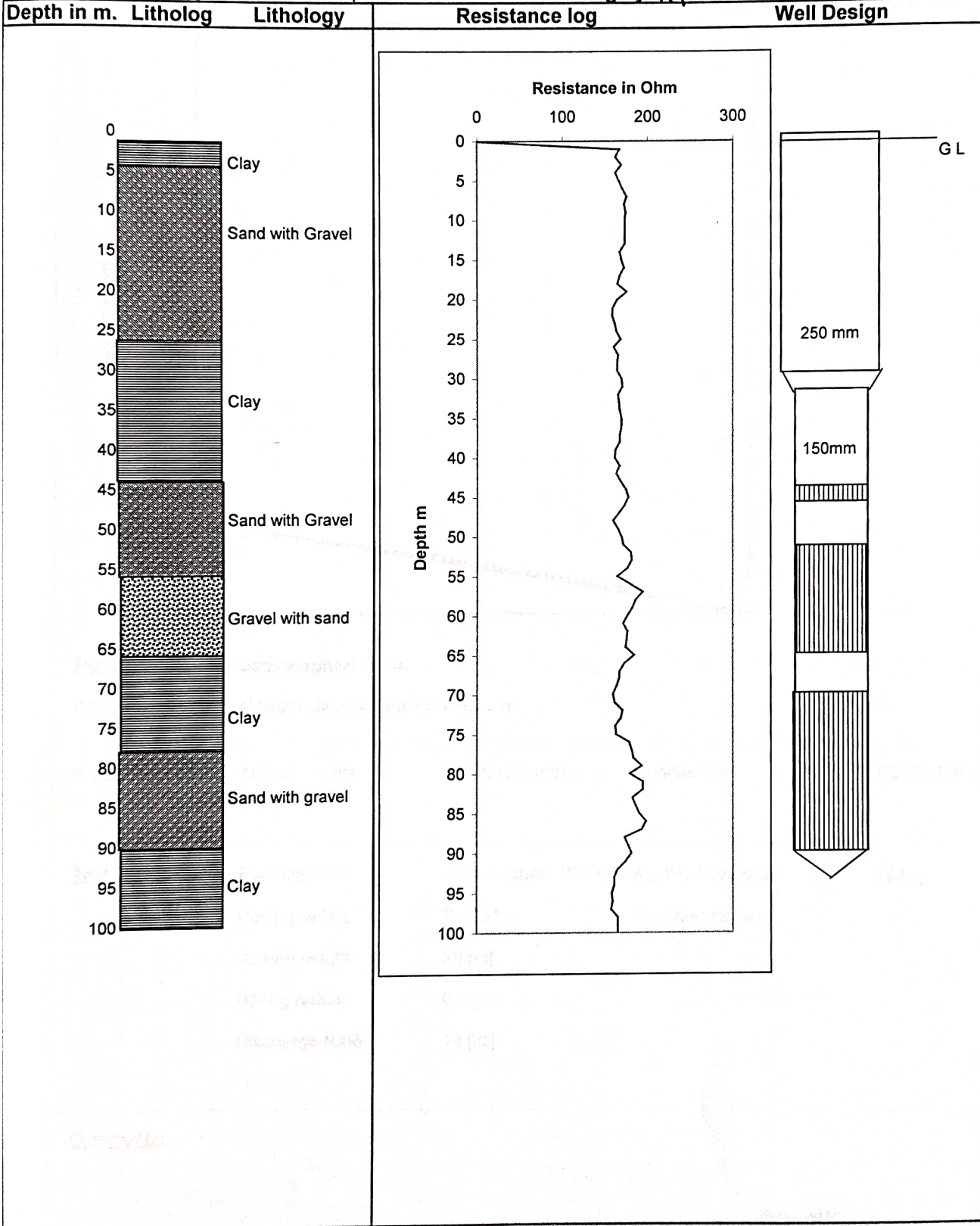
Completion date: 2056/4/20

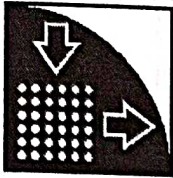
Pumping water level: 25.16 m max.

Drilled by: A. K. Dubey

Drawdown/Discharge: 25.16 m./ 18 lps

Log by: A.D. Bhatta





Groundwater Resources Development Project

Field Office, Dhangadhi, Kallali

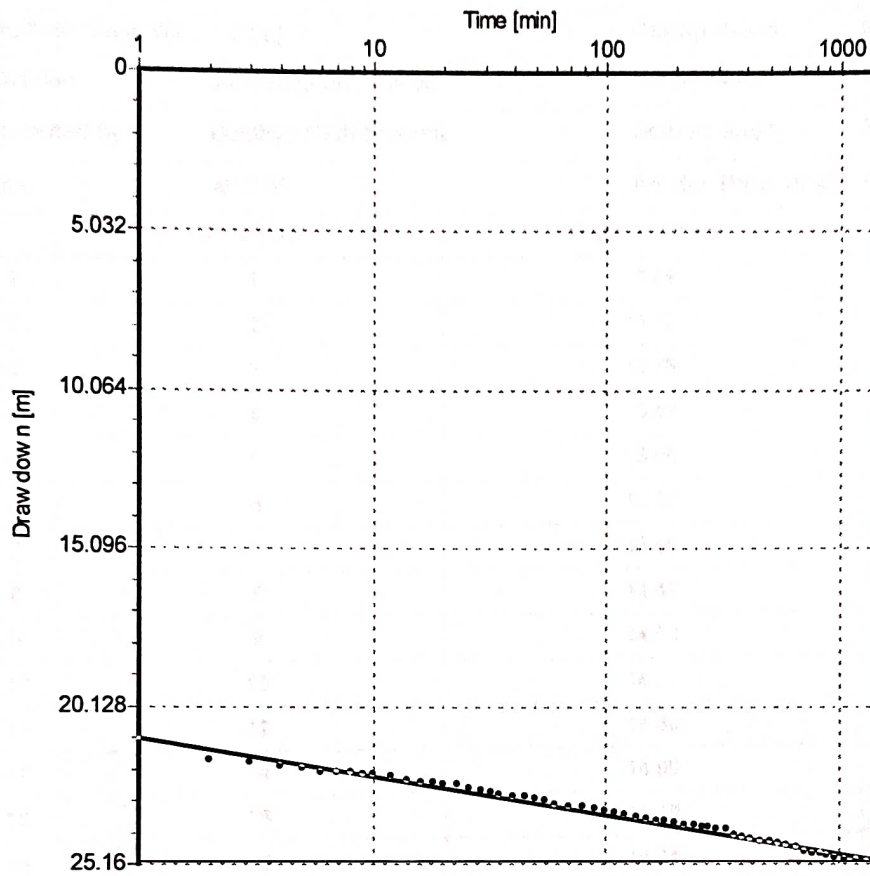
Phone 091-521213

Pumping Test Analysis Report

Project:

Jamunaghari INV-4

Jamunaghari INV-4 [Cooper-Jacob Time-Draw down]



Pumping Test: Jamunaghari INV-4

Analysis Method: Cooper-Jacob Time-Drawdown

Analysis Results: Transmissivity: 2.33E+2 [m²/d] Conductivity: 7.28E+0 [m/d]

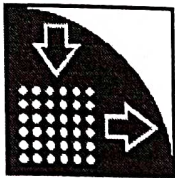
Test parameters:

Pumping Well:	Jamunaghari INV-4	Aquifer Thickness:	32 [m]
Casing radius:	0.075 [m]	Confined Aquifer	
Screen length:	28 [m]		
Boring radius:	0.2 [m]		
Discharge Rate:	18 [l/s]		

Comments:

Evaluated by:

Evaluation Date: 10/10/03



Groundwater Resources Development Project

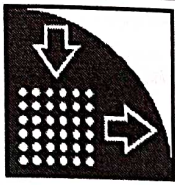
Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Jamunaghari INV-4

Data observed at: Bhamka INV-3		Pumping Test: Bhamka INV-3	
Distance from PW: 0 [m]		Pumping Well: Bhamka INV-3	
Depth to Static WL: 1.2 [m]		Casing radius: 0.075 [m]	
Location: Jamunaghari , Kailali		Boring radius: 0.2 [m]	
Recorded by: Baidhya Nath Sharma		Screen length: 34 [m]	
Date: 4/19/56		Aquifer Thickness: 45 [m]	
	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	13.69	12.49
2	2	13.72	12.52
3	3	13.76	12.56
4	4	13.82	12.62
5	5	13.86	12.66
6	6	13.89	12.69
7	7	13.96	12.76
8	8	14.47	13.27
9	9	14.58	13.38
10	10	14.71	13.51
11	12	14.80	13.60
12	14	14.95	13.75
13	16	15.10	13.90
14	18	15.24	14.04
15	20	15.32	14.12
16	23	15.38	14.18
17	26	15.42	14.22
18	29	15.45	14.25
19	32	15.48	14.28
20	35	15.51	14.31
21	40	15.54	14.34
22	45	15.56	14.36
23	50	15.58	14.38
24	55	15.60	14.40
25	60	15.61	14.41
26	70	15.67	14.47
27	80	15.71	14.51
28	90	15.77	14.57
29	100	15.79	14.59
30	110	15.81	14.61
31	120	15.83	14.63



Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Jamunaghari INV-4

Data observed at: Bhamka INV-3

Pumping Test: Bhamka INV-3

Distance from PW: 0 [m]

Pumping Well: Bhamka INV-3

Depth to Static WL: 1.2 [m]

Casing radius: 0.075 [m]

Location: Jamunaghari , Kailali

Boring radius: 0.2 [m]

Recorded by: Baidhya Nath Sharma

Screen length: 34 [m]

Date: 4/19/56

Aquifer Thickness: 45 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
32	135	15.89	14.69
33	150	15.90	14.70
34	165	15.93	14.73
35	180	15.95	14.75
36	200	15.97	14.77
37	220	16.03	14.83
38	240	16.07	14.87
39	260	16.09	14.89
40	280	16.11	14.91
41	300	16.12	14.92
42	330	16.13	14.93
43	360	16.14	14.94
44	390	16.15	14.95
45	420	16.16	14.96
46	450	16.17	14.97
47	480	16.18	14.98
48	510	16.20	15.00
49	555	16.21	15.01
50	600	16.24	15.04
51	645	16.25	15.05
52	690	16.28	15.08
53	735	16.30	15.10
54	780	16.32	15.12
55	840	16.35	15.15
56	900	16.36	15.16
57	960	16.37	15.17
58	1080	16.38	15.18
59	1200	16.43	15.23
60	1320	16.45	15.25
61	1440	16.47	15.27

WELL DETAILS

Project: Groundwater Investigation

Program: Investigation Deep Tubewell

Well No: INV-5

Housing : 42 m

Location: Sukkhad, Kailali

Screen Position: 45-51,63-66,71-79, 90-101.

Drilling depth: 154 m.

Total length of screen: 28 m

Lowering depth: 103 m.

Drilling started date: 2058/1/25

Static water level : 1.29 m

Completion date: 2058/2/10

Pumping water level: 9.48 m max.

Drilled by: Govinda Gyawali

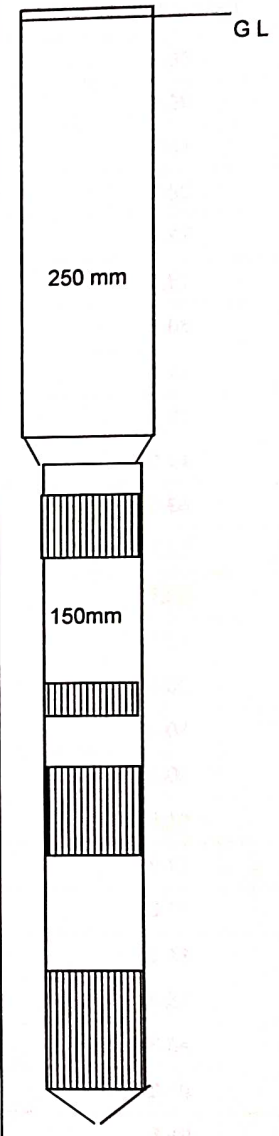
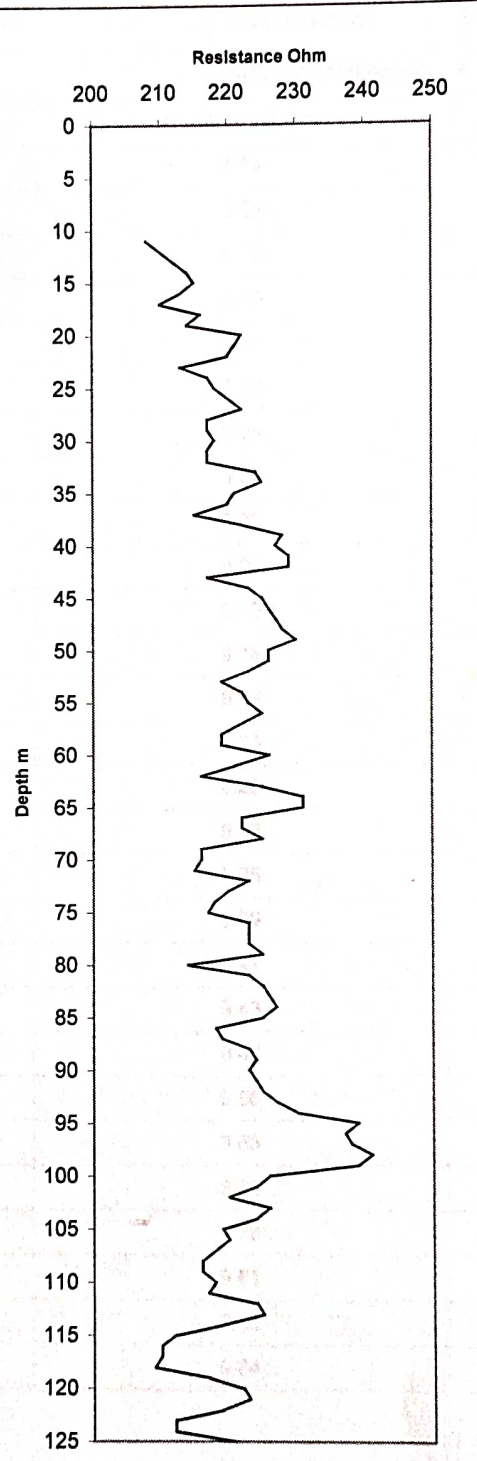
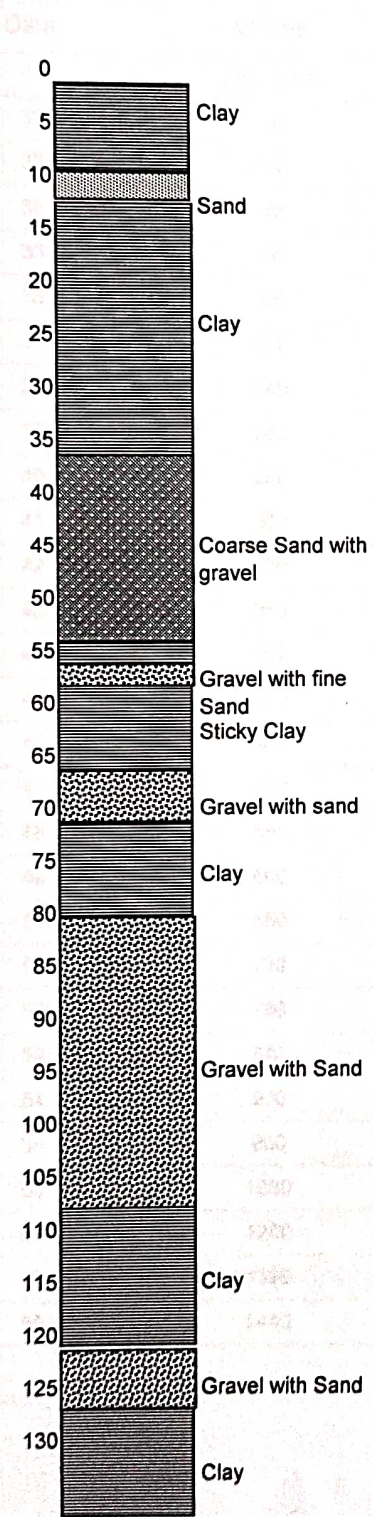
Drawdown/Discharge: 8.55 m./ 25 lps

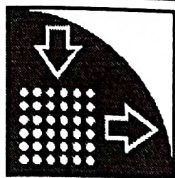
Log by: N.P. Bhatta

Depth in m. Litholog Lithology

Resistance log

Well Design





Groundwater Resources Development Project

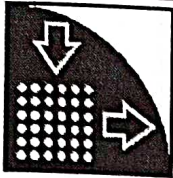
Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Sukkhad INV-5

Data observed at: Sukkhad INV-5		Pumping Test: Sukkhad INV-5	
Distance from PW: 0 [m]		Pumping Well: Sukkhad INV-5	
Depth to Static WL: 1.29 [m]		Casing radius: 0.75 [m]	
Location: Sukkhad , Kailali		Boring radius: 0.2 [m]	
Recorded by: Baidhynath Sharma		Screen length: 28 [m]	
Date: 3/18/58		Aquifer Thickness: 47 [m]	
	Time [min]	Depth to WL [m]	Drawdown [m]
32	135	8.64	7.35
33	150	8.68	7.39
34	165	8.73	7.44
35	180	8.79	7.50
36	200	8.86	7.57
37	220	8.90	7.61
38	240	8.94	7.65
39	260	9.00	7.71
40	280	9.03	7.74
41	300	9.03	7.74
42	330	9.13	7.84
43	360	9.16	7.87
44	390	9.19	7.90
45	420	9.23	7.94
46	465	9.29	8.00
47	510	9.33	8.04
48	555	9.35	8.06
49	600	9.39	8.10
50	660	9.41	8.12
51	720	9.43	8.14
52	780	9.48	8.19
53	840	9.56	8.27
54	900	9.63	8.34
55	960	9.69	8.40
56	1080	9.78	8.49
57	1200	9.81	8.52
58	1320	9.82	8.53
59	1440	9.84	8.55



Groundwater Resources Development Project

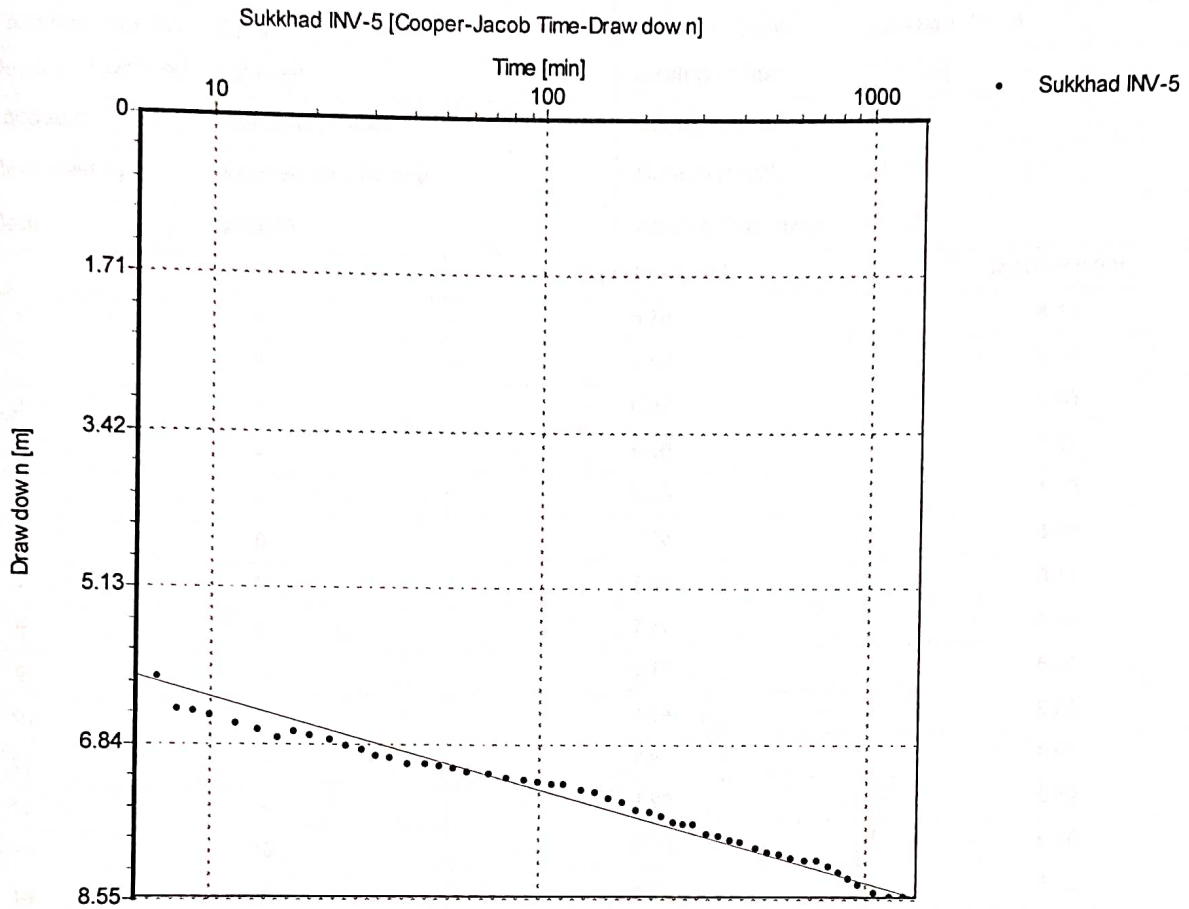
Field Office, Dhangadhi, Kailali

Phone 091-521213

Pumping Test Analysis Report

Project:

Sukkhad INV-5



Pumping Test: Sukkhad INV-5

Analysis Method: Cooper-Jacob Time-Drawdown

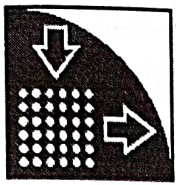
Analysis Results: Transmissivity: 5.59E+2 [m²/d] Conductivity: 1.19E+1 [m/d]

Test parameters: Pumping Well: Sukkhad INV-5 Aquifer Thickness: 47 [m]
 Casing radius: 0.75 [m] Confined Aquifer
 Screen length: 28 [m]
 Boring radius: 0.2 [m]
 Discharge Rate: 36 [l/s]

Comments:

Evaluated by:

Evaluation Date: 10/10/03



Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
Phone : 091-521213

Pumping Test Data Report

Project: Sukkhad INV-5

Data observed at: Sukkhad INV-5	Pumping Test: Sukkhad INV-5
Distance from PW: 0 [m]	Pumping Well: Sukkhad INV-5
Depth to Static WL: 1.29 [m]	Casing radius: 0.75 [m]
Location: Sukkhad , Kailali	Boring radius: 0.2 [m]
Recorded by: Baidhynath Sharma	Screen length: 28 [m]
Date: 3/18/58	Aquifer Thickness: 47 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	5.78	4.49
2	2	5.92	4.63
3	3	6.37	5.08
4	4	6.56	5.27
5	5	6.59	5.30
6	6	7.18	5.89
7	7	7.40	6.11
8	8	7.77	6.48
9	9	7.79	6.50
10	10	7.84	6.55
11	12	7.91	6.62
12	14	7.98	6.69
13	16	8.08	6.79
14	18	8.01	6.72
15	20	8.04	6.75
16	23	8.10	6.81
17	26	8.16	6.87
18	29	8.21	6.92
19	32	8.28	6.99
20	35	8.30	7.01
21	40	8.35	7.06
22	45	8.36	7.07
23	50	8.38	7.09
24	55	8.41	7.12
25	60	8.44	7.15
26	70	8.46	7.17
27	80	8.51	7.22
28	90	8.54	7.25
29	100	8.55	7.26
30	110	8.57	7.28
31	120	8.59	7.30

WELL DETAILS

Project: Groundwater Investigation

Program: Investigation Deep Tubewell

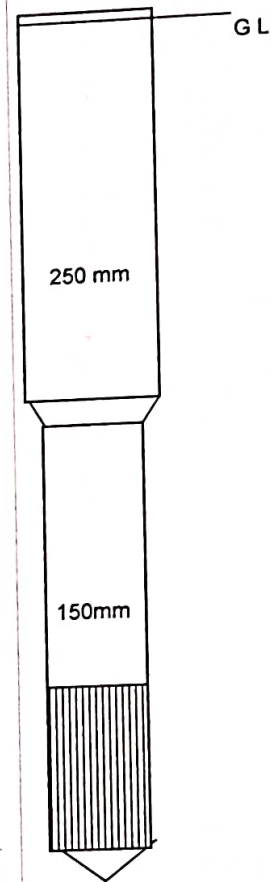
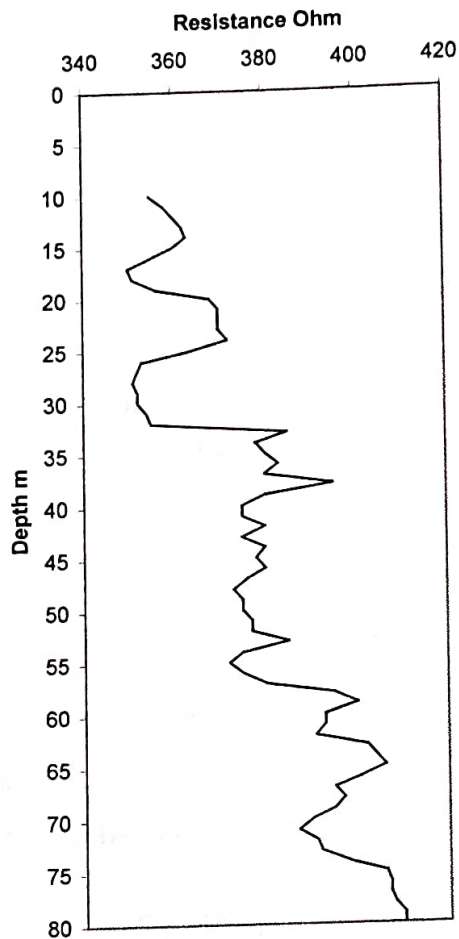
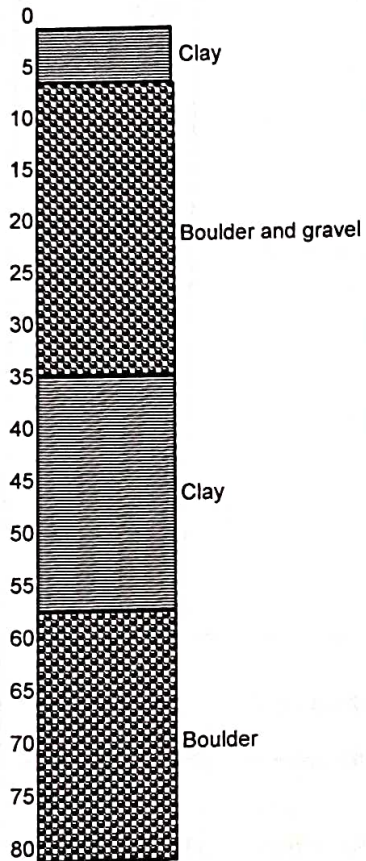
Well No: INV-6
Location: Musepani, Suda VDC, Kanchanpur
Drilling depth: 80 m.
Lowering depth: 80 m.
Static water level : 4.48 m (April)
Pumping water level: 11.54 m max.
Drawdown/Discharge: 7.06 m./ 25 lps

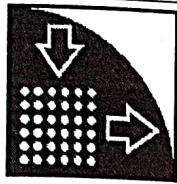
Housing : 36 m
Screen Position: 64 m to 79 m.
Total length of screen: 15 m
Drilling started date: 2058/3/15
Completion date: 2058/3/30
Drilled by: Govinda Gyawali
Log by: N.D. Bhatta

Depth in m. Litholog Lithology

Resistance log

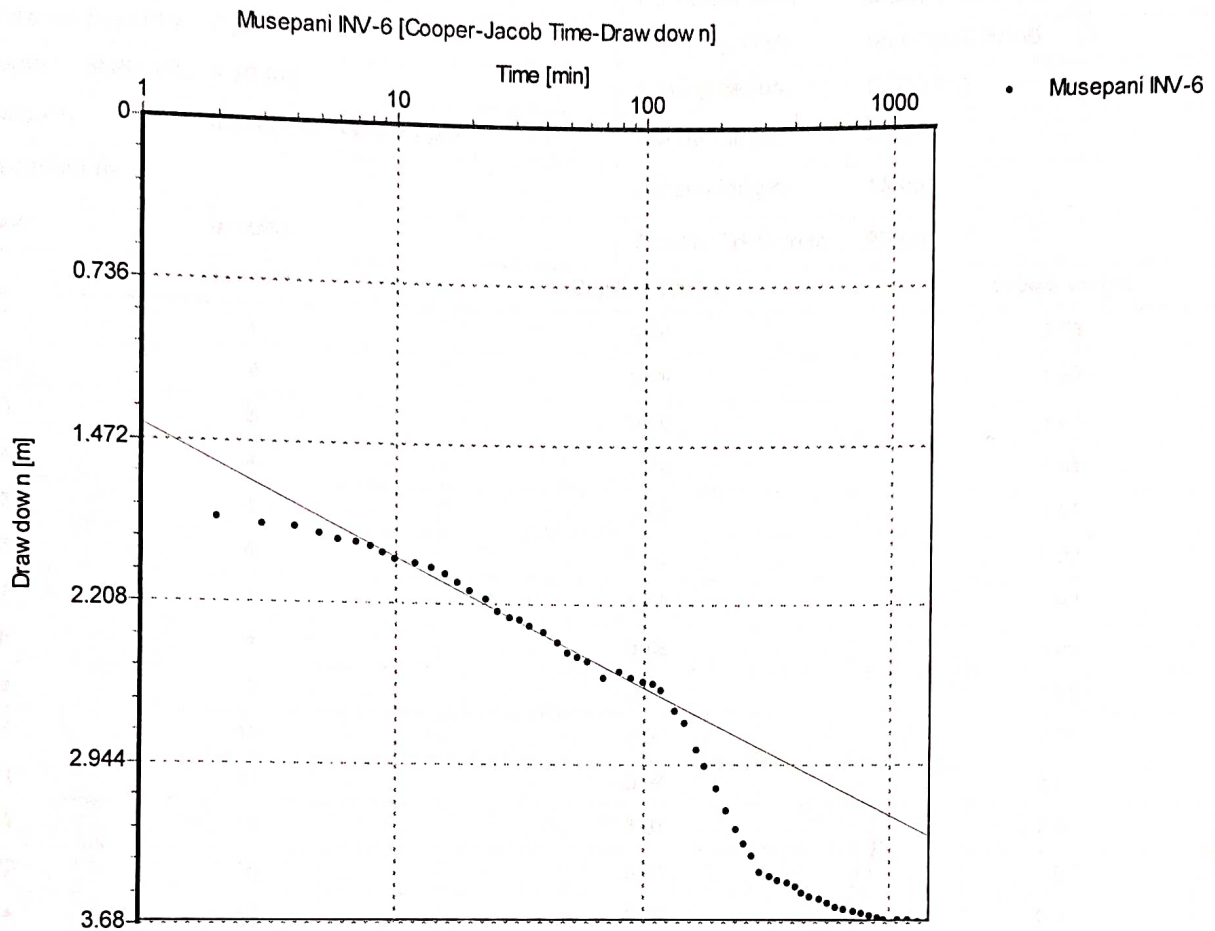
Well Design





Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
 Phone 091-521213

Pumping Test Analysis Report
Project: Musepani INV-5
Musepani INV-5



Pumping Test: **Musepani INV-6**

Analysis Method: **Cooper-Jacob Time-Drawdown**

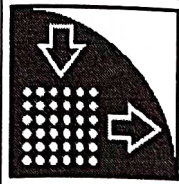
Analysis Results: Transmissivity: **9.56E+2 [m²/d]** Conductivity: **3.41E+1 [m/d]**

Test parameters: Pumping Well: **Musepani INV-6** Aquifer Thickness: **28 [m]**
 Casing radius: **0.075 [m]** Confined Aquifer
 Screen length: **15 [m]**
 Boring radius: **0.2 [m]**
 Discharge Rate: **36 [l/s]**

Comments:

Evaluated by:

Evaluation Date: **10/12/03**



Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
Phone : 091-521213

Pumping Test Data Report
Project: Musepani INV-5

Data observed at: Musepani INV-6

Distance from PW: 0 [m]

Depth to Static WL: 3.93 [m]

Location: Musepani, Kanchanpur

Recorded by:

Date: 9/14/58

Pumping Test: Musepani INV-6

Pumping Well: Musepani INV-6

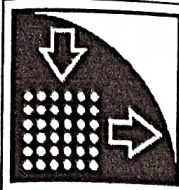
Casing radius: 0.075 [m]

Boring radius: 0.2 [m]

Screen length: 15 [m]

Aquifer Thickness: 28 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	5.66	1.73
2	2	5.76	1.83
3	3	5.78	1.85
4	4	5.79	1.86
5	5	5.82	1.89
6	6	5.85	1.92
7	7	5.86	1.93
8	8	5.88	1.95
9	9	5.91	1.98
10	10	5.94	2.01
11	12	5.96	2.03
12	14	5.97	2.04
13	16	6.00	2.07
14	18	6.04	2.11
15	20	6.08	2.15
16	23	6.12	2.19
17	26	6.17	2.24
18	29	6.20	2.27
19	32	6.21	2.28
20	35	6.24	2.31
21	40	6.27	2.34
22	45	6.32	2.39
23	50	6.36	2.43
24	55	6.38	2.45
25	60	6.40	2.47
26	70	6.48	2.55
27	80	6.45	2.52
28	90	6.48	2.55
29	100	6.50	2.57
30	110	6.51	2.58
31	120	6.54	2.61



Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
Phone : 091-521213

Pumping Test Data Report
Project: Musepani INV-5

Data observed at: Musepani INV-6

Distance from PW: 0 [m]

Depth to Static WL: 3.93 [m]

Location: Musepani, Kanchanpur

Recorded by:

Date: 9/14/58

Pumping Test: Musepani INV-6

Pumping Well: Musepani INV-6

Casing radius: 0.075 [m]

Boring radius: 0.2 [m]

Screen length: 15 [m]

Aquifer Thickness: 28 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
32	135	6.63	2.70
33	150	6.69	2.76
34	165	6.81	2.88
35	180	6.89	2.96
36	200	6.99	3.06
37	220	7.10	3.17
38	240	7.18	3.25
39	260	7.25	3.32
40	280	7.31	3.38
41	300	7.38	3.45
42	330	7.40	3.47
43	360	7.42	3.49
44	390	7.43	3.50
45	420	7.45	3.52
46	450	7.48	3.55
47	480	7.50	3.57
48	525	7.51	3.58
49	570	7.52	3.59
50	615	7.54	3.61
51	660	7.55	3.62
52	720	7.56	3.63
53	780	7.57	3.64
54	840	7.58	3.65
55	900	7.59	3.66
56	960	7.60	3.67
57	1080	7.60	3.67
58	1200	7.60	3.67
59	1320	7.61	3.68
60	1440	7.61	3.68

WELL DETAILS

Project: NISP Groundwater

Program: NISP investigation

Well No: INV-7

Housing : 36

Location: Bansha, Kanchanpur

Screen Position: 76-81.5, 86-93, 97.5-101.5, 118-126, 128-131

Drilling depth: 136 m.

Total length of screen: 27.5 m

Lowering depth: 132 m.

Drilling started date: 2057/1/31

Static water level : Flowing

Completion date: 2057/2/16

Pumping water level: 32 m

Drilled by: Govinda Gyawali

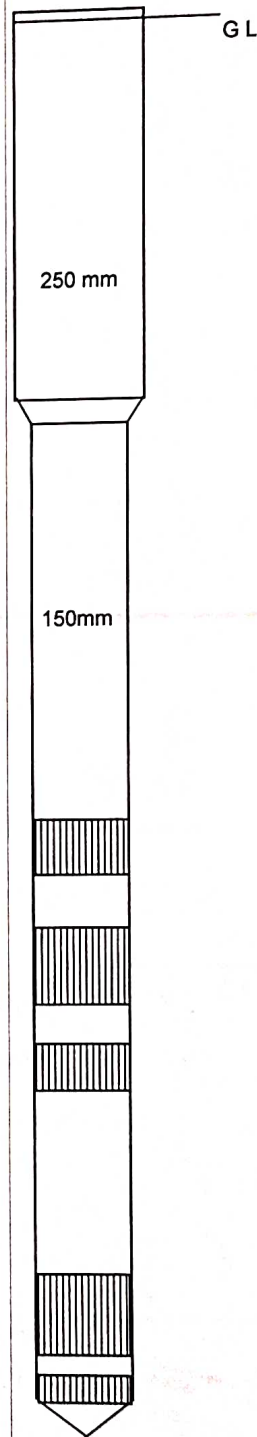
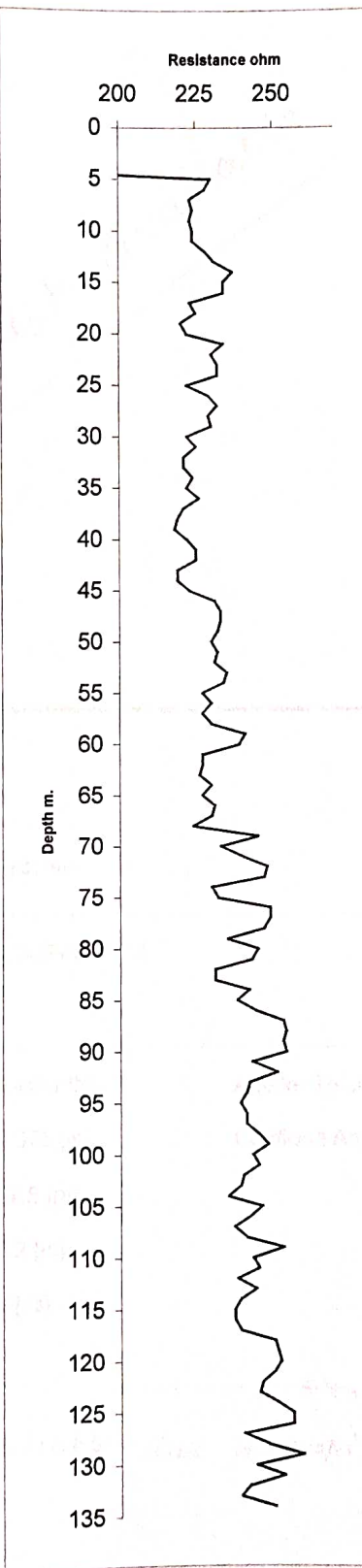
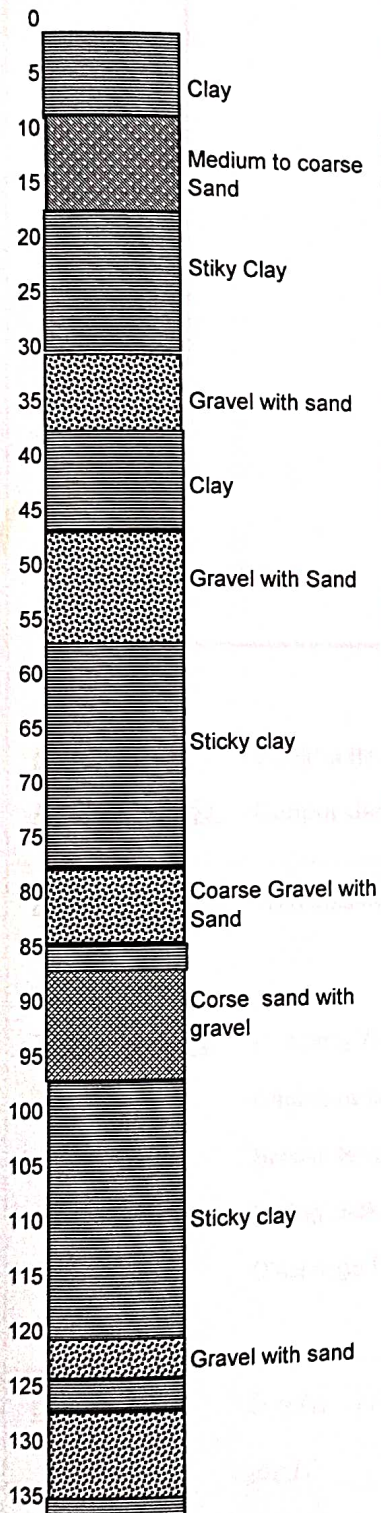
Drawdown: 32 m.

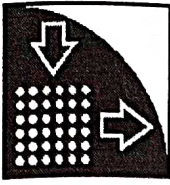
Log by: M.D. Bhatta

Depth in m. Litholog Lithology

Resistance log

Well Design





Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

Phone 091-521213

Pumping Test Analysis Report

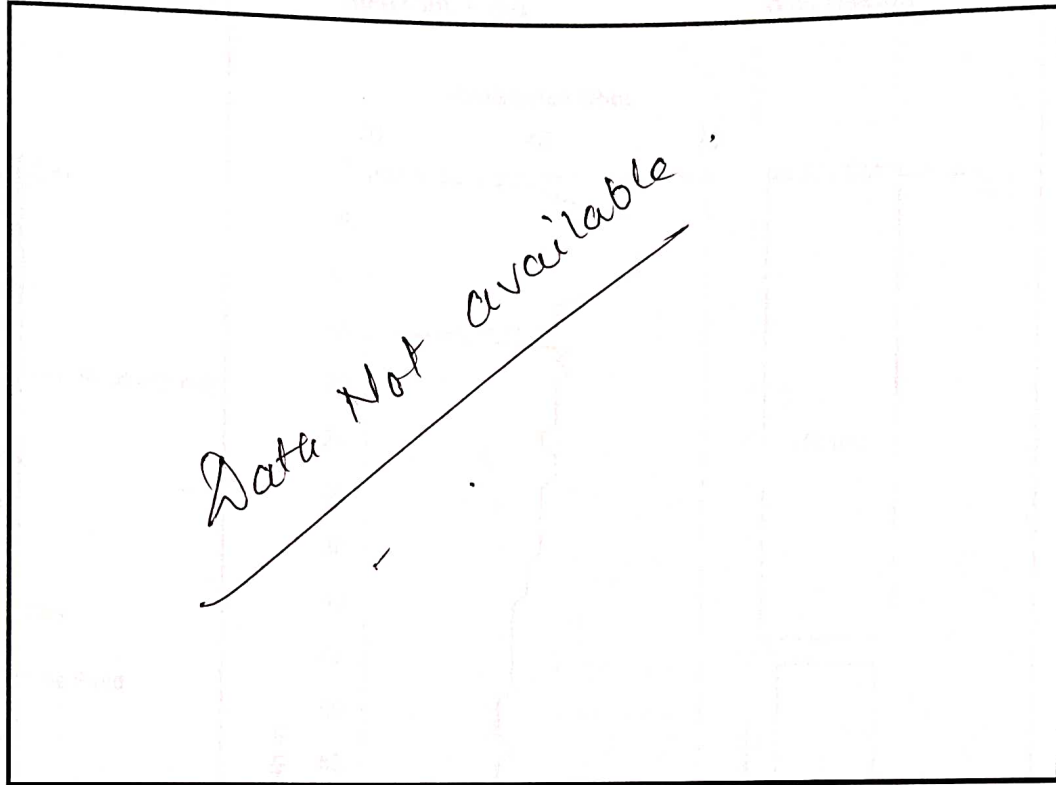
Project:

Parasan INV-9

Bansha INV-7 [Cooper-Jacob Time-Draw down]

Time [min]

Drawdown [m]



Pumping Test: Bansha INV-7

Analysis Method: Cooper-Jacob Time-Drawdown

Analysis Results: Transmissivity: 4.74E+1 [m²/d]

<u>Test parameters:</u>	Pumping Well:	Basha INV-7	Aquifer Thickness:
	Casing radius:	0.075 [m]	Confined Aquifer
	Screen length:	27.5 [m]	
	Boring radius:	0.2 [m]	
	Discharge Rate:	3 [l/s]	

Comments: Data is not available due to rapid drawdown of the well.

Evaluated by:

Evaluation Date: 10/12/03

WELL DETAILS

Project: NISP Groundwater

Program: NISP investigation

Well No: INV-8

Housing : 45

Location: Parasan VDC-3, Kanchanpur

Screen Position: 64 m to 104 m.

Drilling depth: 112 m.

Total length of screen: 40 m

Lowering depth: 107 m.

Drilling started date: 059/12/5

Static water level : 13.5 m (April)

Completion date: 2059/12/25

Pumping water level: 31.5 m max.

Drilled by: Govinda Gyawali

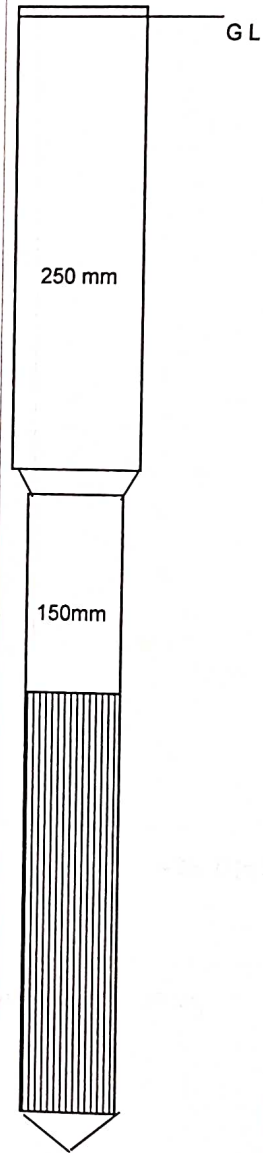
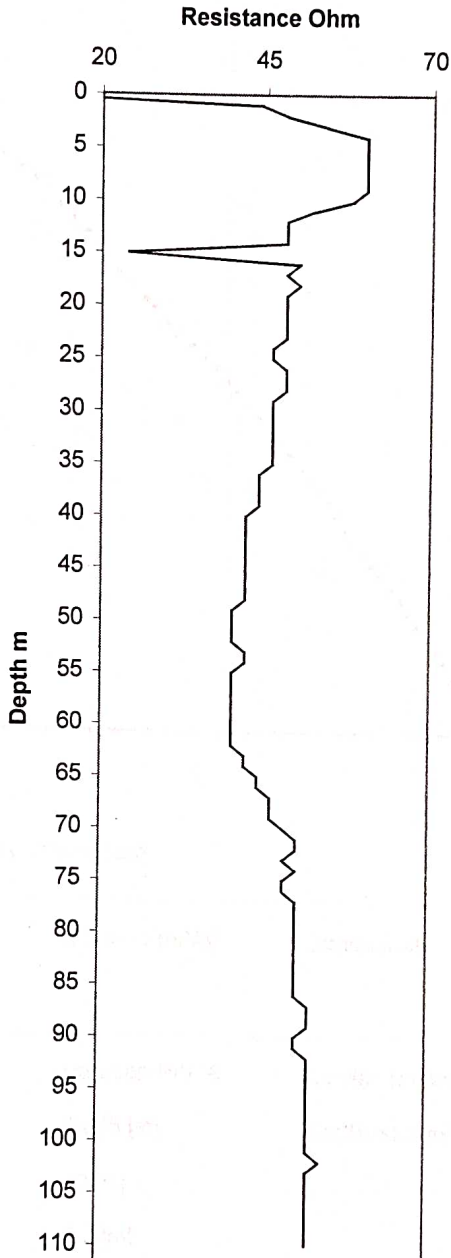
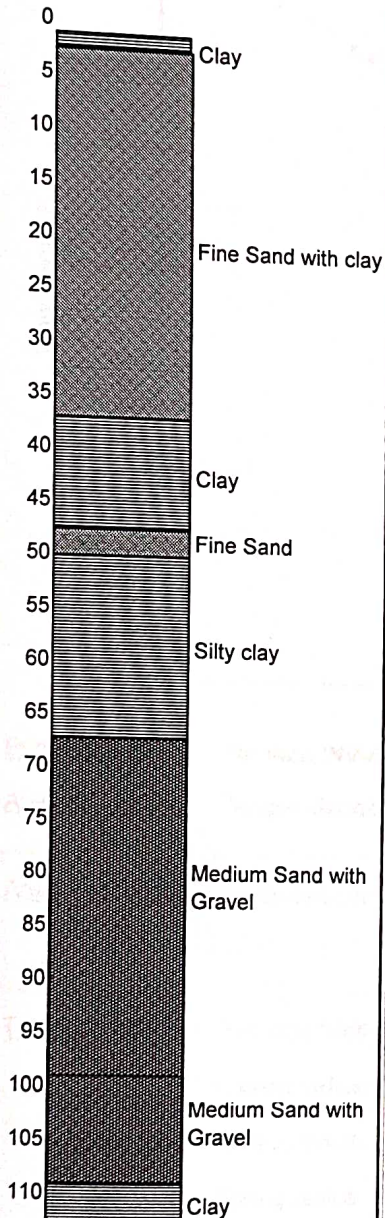
Drawdown/Discharge: 18 m./ 25 lps

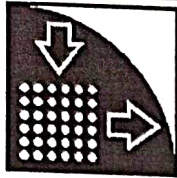
Log by: S.M. Shakya

Depth in m. Litholog

Resistance log

Well Design





Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

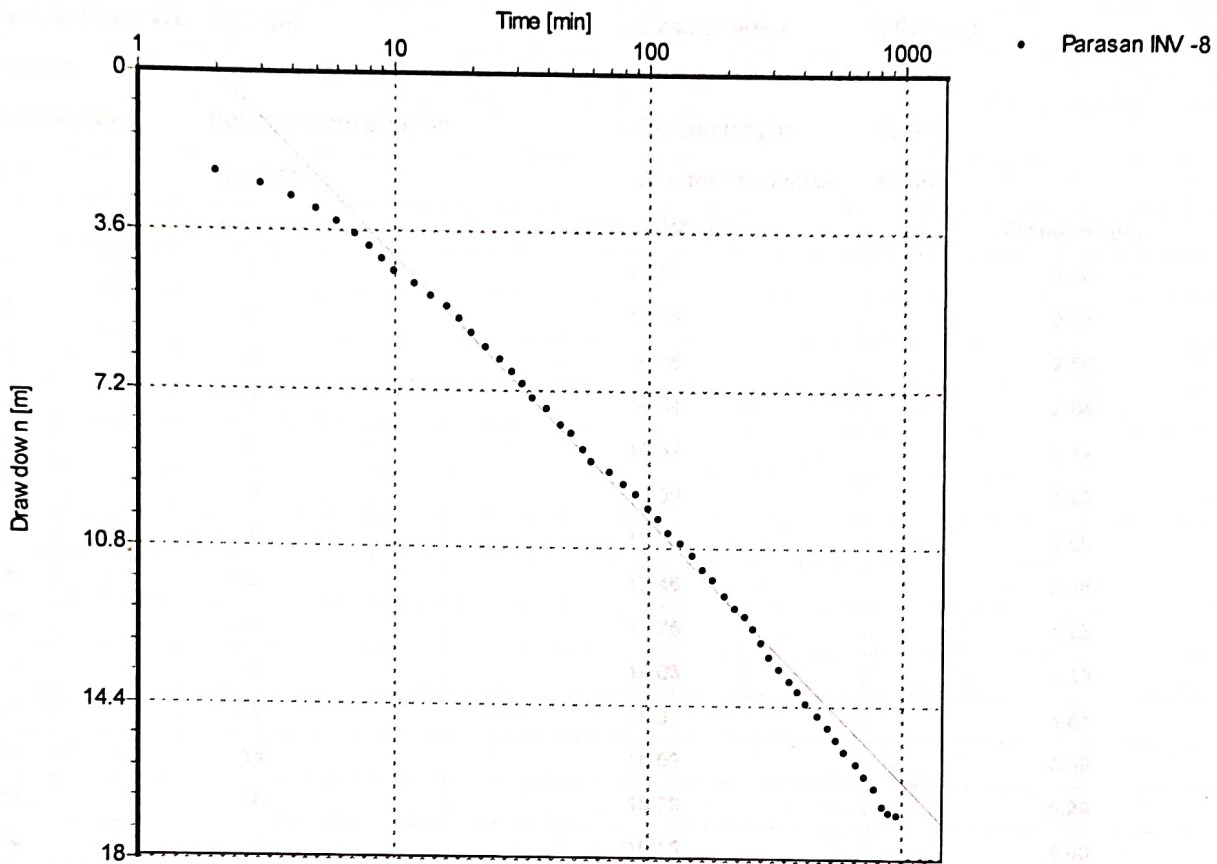
Phone 091-521213

Pumping Test Analysis Report

Project:

Parasan INV-8

Parasan INV-8 [Cooper-Jacob Time-Draw down]



Pumping Test: Parasan INV-8

Analysis Method: Cooper-Jacob Time-Drawdown

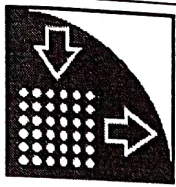
Analysis Results: Transmissivity: $6.60E+1$ [m²/d] Conductivity: $1.43E+0$ [m/d]

Test parameters: Pumping Well: Parasan INV -8 Aquifer Thickness: 46 [m]
 Casing radius: 0.075 [m] Confined Aquifer
 Screen length: 40 [m]
 Boring radius: 0.2 [m]
 Discharge Rate: 25 [l/s]

Comments:

Evaluated by:

Evaluation Date: 10/12/03



Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

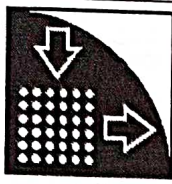
Phone : 091-521213

Pumping Test Data Report

Project: Parasan INV-8

Data observed at: Parasan INV -8	Pumping Test: Parasan INV-8
Distance from PW: 0 [m]	Pumping Well: Parasan INV -8
Depth to Static WL: 13.5 [m]	Casing radius: 0.075 [m]
Location: Parasan -3, Kanchanpur	Boring radius: 0.2 [m]
Recorded by: Baidhya Nath Sharma	Screen length: 40 [m]
Date: 12/26/59	Aquifer Thickness: 46 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	15.50	2.00
2	2	15.78	2.28
3	3	16.06	2.56
4	4	16.34	2.84
5	5	16.62	3.12
6	6	16.90	3.40
7	7	17.18	3.68
8	8	17.46	3.96
9	9	17.75	4.25
10	10	18.03	4.53
11	12	18.31	4.81
12	14	18.59	5.09
13	16	18.79	5.29
14	18	19.10	5.60
15	20	19.43	5.93
16	23	19.71	6.21
17	26	20.00	6.50
18	29	20.28	6.78
19	32	20.59	7.09
20	35	20.89	7.39
21	40	21.15	7.65
22	45	21.49	7.99
23	50	21.68	8.18
24	55	22.05	8.55
25	60	22.32	8.82
26	70	22.59	9.09
27	80	22.86	9.36
28	90	23.09	9.59
29	100	23.40	9.90
30	110	23.65	10.15
31	120	23.98	10.48



Groundwater Resources Development Project
Field Office, Dhangadhi, Kailali
Phone : 091-521213

Pumping Test Data Report

Project: Parasan INV-8

Data observed at: Parasan INV -8

Pumping Test: Parasan INV-8

Distance from PW: 0 [m]

Pumping Well: Parasan INV -8

Depth to Static WL: 13.5 [m]

Casing radius: 0.075 [m]

Location: Parasan -3, Kanchanpur

Boring radius: 0.2 [m]

Recorded by: Baidhya Nath Sharma

Screen length: 40 [m]

Date: 12/26/59

Aquifer Thickness: 46 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
32	135	24.21	10.71
33	150	24.47	10.97
34	165	24.81	11.31
35	180	25.05	11.55
36	200	25.39	11.89
37	220	25.68	12.18
38	240	25.89	12.39
39	260	26.16	12.66
40	280	26.49	12.99
41	300	26.79	13.29
42	330	27.08	13.58
43	360	27.34	13.84
44	390	27.58	14.08
45	420	27.86	14.36
46	465	28.14	14.64
47	510	28.42	14.92
48	555	28.71	15.21
49	600	28.98	15.48
50	660	29.26	15.76
51	720	29.54	16.04
52	780	29.82	16.32
53	840	30.25	16.75
54	900	30.39	16.89
55	960	30.42	16.92
56	1080	31.48	17.98
57	1200	31.50	18.00
58	1320	31.50	18.00
59	1440	31.50	18.00

Project: NISP Groundwater

WELL DETAILS

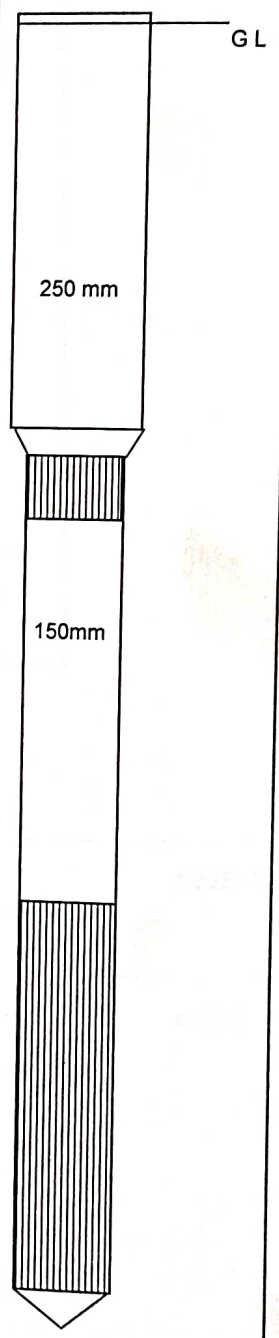
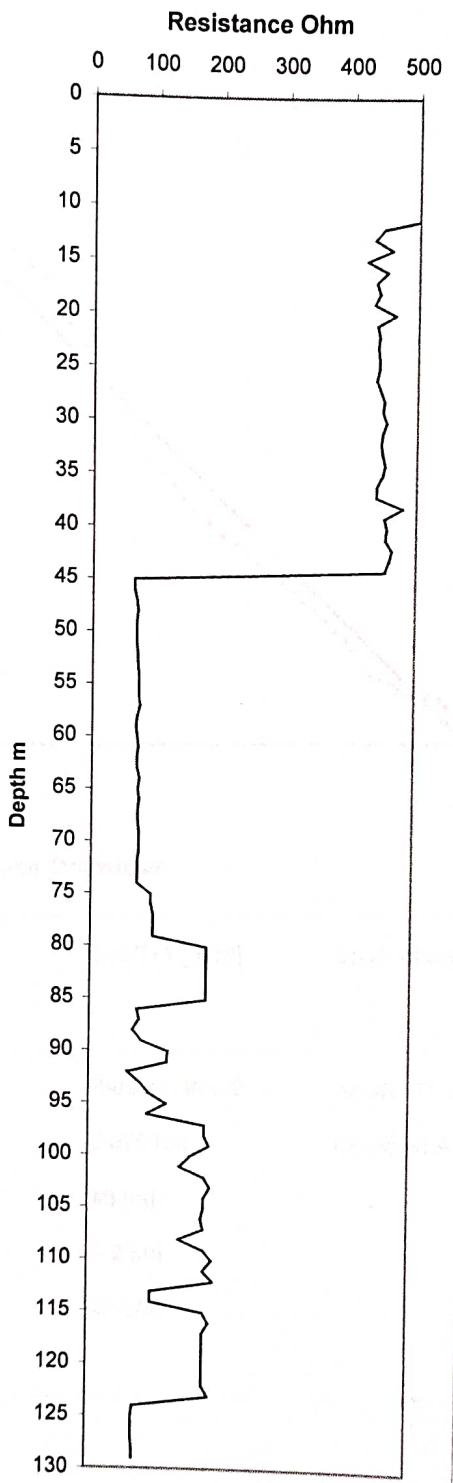
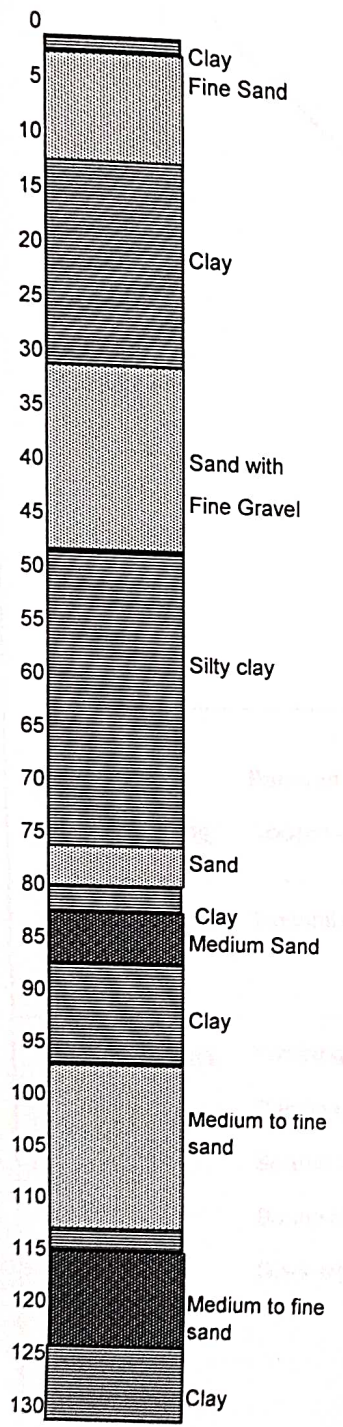
Well No: INV-9
 Location: Parasan VDC-6, Kanchanpur
 Drilling depth: 130 m.
 Lowering depth: 124 m.
 Static water level : 13 m (April)
 Pumping water level: 32 m max.
 Drawdown /Discharge: 19 m./ 25 lps

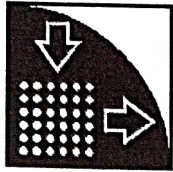
Program: NISP investigation
 Housing : 40 m.
 Screen Position: 40-46, 82-122 m
 Total length of screen: 46 m
 Drilling started date: 059/12/26
 Completion date: 2060/1/15
 Drilled by: Govinda Gyawali
 Log by: S.M. Shakya

Depth in m. Litholog Lithology

Resistance log

Well Design





Groundwater Resources Development Project

Field Office, Dhangadhi, Kailali

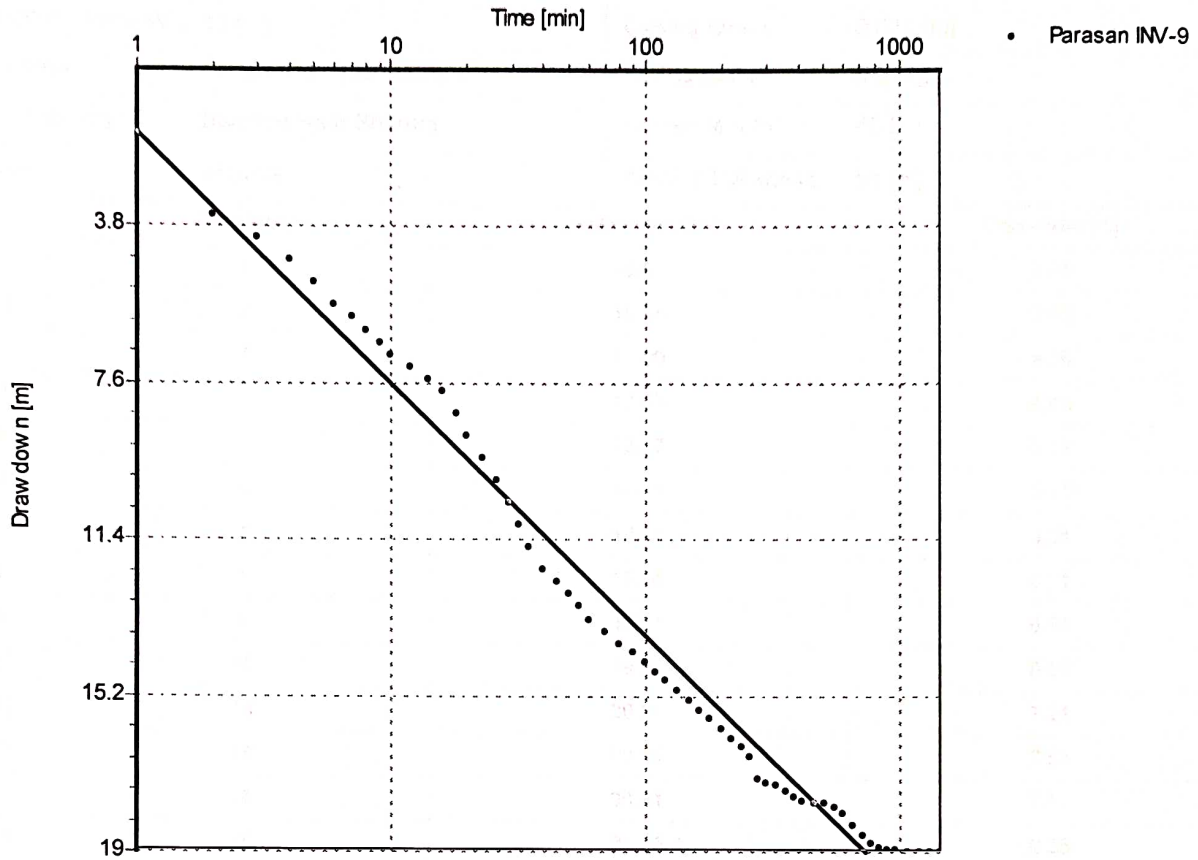
Phone 091-521213

Pumping Test Analysis Report

Project:

Parasan INV-9

Pumping Test Name [Cooper-Jacob Time-Draw down n]



Pumping Test: Parasan INV-9

Analysis Method: Cooper-Jacob Time-Drawdown

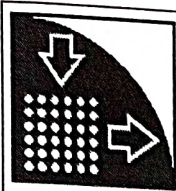
Analysis Results: Transmissivity: 6.49E+1 [m²/d] Conductivity: 1.27E+0 [m/d]

Test parameters: Pumping Well: Parasan INV-9 Aquifer Thickness: 51 [m]
 Casing radius: 0.075 [m] Confined Aquifer
 Screen length: 46 [m]
 Boring radius: 0.2 [m]
 Discharge Rate: 25 [l/s]

Comments:

Evaluated by:

Evaluation Date: 10/12/03



Groundwater Resources Development Project

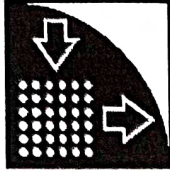
Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Parasan INV-9

Data observed at: Parasan INV-9		Pumping Test: Parasan INV-9	
Distance from PW: 0 [m]		Pumping Well: Parasan INV-9	
Depth to Static WL: 13 [m]		Casing radius: 0.075 [m]	
Location: Parasan -6, Kanchanpur		Boring radius: 0.2 [m]	
Recorded by: Baidhya Nath Sharma		Screen length: 46 [m]	
Date: 1/16/59		Aquifer Thickness: 51 [m]	
	Time [min]	Depth to WL [m]	Drawdown [m]
1	1	16.01	3.01
2	2	16.55	3.55
3	3	17.09	4.09
4	4	17.63	4.63
5	5	18.17	5.17
6	6	18.71	5.71
7	7	19.01	6.01
8	8	19.31	6.31
9	9	19.61	6.61
10	10	19.91	6.91
11	12	20.21	7.21
12	14	20.51	7.51
13	16	20.81	7.81
14	18	21.35	8.35
15	20	21.89	8.89
16	23	22.43	9.43
17	26	22.97	9.97
18	29	23.51	10.51
19	32	24.05	11.05
20	35	24.59	11.59
21	40	25.13	12.13
22	45	25.43	12.43
23	50	25.73	12.73
24	55	26.03	13.03
25	60	26.33	13.33
26	70	26.63	13.63
27	80	26.93	13.93
28	90	27.16	14.16
29	100	27.39	14.39
30	110	27.62	14.62
31	120	27.85	14.85

**Groundwater Resources Development Project**

Field Office, Dhangadhi, Kailali

Phone : 091-521213

Pumping Test Data Report

Project: Parasan INV-9

Data observed at: Parasan INV-9	Pumping Test: Parasan INV-9
Distance from PW: 0 [m]	Pumping Well: Parasan INV-9
Depth to Static WL: 13 [m]	Casing radius: 0.075 [m]
Location: Parasan -6, Kanchanpur	Boring radius: 0.2 [m]
Recorded by: Baidhya Nath Sharma	Screen length: 46 [m]
Date: 1/16/59	Aquifer Thickness: 51 [m]

	Time [min]	Depth to WL [m]	Drawdown [m]
32	135	28.08	15.08
33	150	28.31	15.31
34	165	28.54	15.54
35	180	28.77	15.77
36	200	29.00	16.00
37	220	29.23	16.23
38	240	29.46	16.46
39	260	29.69	16.69
40	280	30.23	17.23
41	300	30.35	17.35
42	330	30.40	17.40
43	360	30.52	17.52
44	390	30.68	17.68
45	420	30.78	17.78
46	465	30.80	17.80
47	510	30.84	17.84
48	555	30.91	17.91
49	600	31.05	18.05
50	660	31.35	18.35
51	720	31.62	18.62
52	780	31.79	18.79
53	840	31.89	18.89
54	900	31.96	18.96
55	960	31.97	18.97
56	1080	31.98	18.98
57	1200	32.00	19.00
58	1320	32.00	19.00
59	1440	32.00	19.00

