

Appendix 7 (3) Result of Nation-wide Groundwater Level Observation

< Luapula Province >

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Point No. No. No. G.W.D(m G.S)) G.G. G.G.) G.G. G.G. G.G. G.G. G.	< Luap	ma Prov	rince >							
LU-1 A 5.54 6.00 7.29 7.39 7.99 8.09 5.79 5.10 LU-2 A 4.19 4.79 5.10 5.15 5.25 dry 3.15 3.70 LU-3 B 6.99 8.14 9.04 9.44 10.04 9.94 7.59 5.20 LU-3 A 4.15 4.41 4.75 5.55 9.05 dry 4.35 4.00 B - 7.80 8.20 8.45 8.55 8.50 6.40 4.50 LU-4 A 13.34 13.66 14.10 13.40 18.20 dry 8.52 4.87 LU-5 A 2.27 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU-6 A 9.58 9.70 11.75 12.70 12.70 12.70 10	Point	Well	May, 199-	Jun.	Jul.	Sep.	Oct.	Nov.	Fcb. 1995	Mar.
B 4.34 6.79 9.59 9.74 9.84 9.74 3.99 4.50 LU - 2 A 4.19 4.79 5.10 5.15 5.25 dry 3.15 3.70 B 6.99 8.14 9.04 9.44 10.04 9.94 7.59 5.20 LU - 3 A 4.15 4.41 4.75 5.55 9.05 dry 4.35 4.00 B - 7.80 8.20 8.45 8.55 8.50 6.40 4.50 LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 8.30 12.60 B 12.22 12.70 13.10 13.12 13.20 dry 8.52 4.87 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40	No.	No.	G.W.D(m)	G.W.D(m)	G.W.D(m)	G.W.D(m	G.W.D(m)	G.W.D(m)	G.W.D(m	G.W.D(m)
LU - 2 A 4.19 4.79 5.10 5.15 5.25 dry 3.15 3.70 LU - 3 A 4.15 4.41 4.75 5.55 9.05 dry 4.35 4.00 B - 7.80 8.20 8.45 8.55 8.50 6.40 4.50 LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 8.52 4.87 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33	LU - 1	A	5.54	6,00	7.29	7.39	7.99	8.09	5.79	5.10
LU - 3 B 6.99 8.14 9.04 9.44 10.04 9.94 7.59 5.20 LU - 3 A 4.15 4.41 4.75 5.55 9.05 dry 4.35 4.00 B - 7.80 8.20 8.45 8.55 8.50 6.40 4.50 LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 18.30 12.60 B 12.22 12.70 13.10 13.12 13.20 dry 8.52 4.87 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 10.90 10.40 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30		В	4.34	6.79	9.59	9.74	9.84	9.74	3.99	4.50
LU - 3 A 4.15 4.41 4.75 5.55 9.05 dry 4.35 4.00 LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 18.30 12.60 LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 18.30 12.60 B 12.22 12.70 13.10 13.42 13.20 dry 8.52 4.87 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40 LU - 7 A 1.92 2.50 3.27 3.37 3.37	LU-2	A	4.19	4.79	5.10	5.15	5.25	qi	3.15	3.70
LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 18.30 12.60 LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 18.30 12.60 B 12.22 12.70 13.10 13.12 13.20 dry 8.52 4.87 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 10.90 10.40 LU - 7 A 1.92 2.50 3.27 3.37 3.33 3.33 2.12 2.30 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 8 A - 11.20 11.50 12.60 12.65 12.60<		В	6.99	8.14	9.04	9.44	10.04	9.94	7.59	5.20
LU - 4 A 13.34 13.66 14.10 13.40 18.20 dry 18.30 12.60 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 10.90 10.40 B .00 7.40 9.20 13.20 13.60 13.60 12.50 8.00 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 9 A - 11.20 11.50 12.60 12.65 12.60	LU - 3	A	4.15	4.41	4.75	5.55	9.05	qú	4.35	4.00
LU - 5 A 12.22 12.70 13.10 13.12 13.20 dry 8.52 4.87 LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 10.90 10.40 B .00 7.40 9.20 13.20 13.60 13.60 12.50 8.00 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 9 A - 11.20 11.50 12.60 12.65 12.60 </td <td></td> <td>В</td> <td>-</td> <td>7.80</td> <td>8.20</td> <td>8.45</td> <td>8.55</td> <td>8.50</td> <td>6.40</td> <td>4.50</td>		В	-	7.80	8.20	8.45	8.55	8.50	6.40	4.50
LU - 5 A 2.77 3.22 3.45 3.70 3.76 3.75 2.80 2.60 LU - 6 A 9.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU - 9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 B - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70	LU - 4	A	13.34	13.66	14.10	13,40	18.20	dry	18.30	12.60
B 2.23 2.58 3.38 3.48 3.53 3.47 1.45 1.40 LU - 6 A 9.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40 B .00 7.40 9.20 13.20 13.60 13.60 12.50 8.00 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 B 3.40 4.70 5.50 5.70 5.70 5.65 4.50 4.40 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 B 13.74 13.74 13.84 13.94 14.14 13.94 12.74 13.40 LU - 9 A - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 <td></td> <td>В</td> <td>12.22</td> <td>12.70</td> <td>13.10</td> <td>13.12</td> <td>13.20</td> <td>dry</td> <td>8.52</td> <td>4.87</td>		В	12.22	12.70	13.10	13.12	13.20	dry	8.52	4.87
LU - 6 A 9.58 9.70 11.75 12.70 12.70 12.70 10.90 10.40 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 B 3.40 4.70 5.50 5.70 5.70 5.65 4.50 4.40 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 B 13.74 13.74 13.84 13.94 14.14 13.94 12.74 13.40 LU - 9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 B - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89	LU - 5	A	2.77	3.22	3,45	3.70	3.76	3.75	2,80	2.60
LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 B 3.40 4.70 5.50 5.70 5.70 5.65 4.50 4.40 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 B 13.74 13.74 13.84 13.94 14.14 13.94 12.74 13.40 LU - 9 A - 11.50 11.60 11.60 12.65 12.60 11.00 10.50 B - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 <		В	2.23	2.58	3.38	3,48	3,53	3.47	1.45	1.40
LU - 7 A 1.92 2.50 3.27 3.37 3.37 3.33 2.12 2.30 LU - 8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 B 13.74 13.74 13.84 13.94 14.14 13.94 12.74 13.40 LU - 9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 B - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 LU - 11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12	LU - 6	A	9.58	9.70	11.75	12.70	12.70	12.70	10.90	10,40
B 3.40 4.70 5.50 5.70 5.70 5.65 4.50 4.40 LU-8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 B 13.74 13.74 13.84 13.94 14.14 13.94 12.74 13.40 LU-9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 B - 11.50 11.60 11.60 11.60 9.90 9.70 LU-10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 LU-11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU-12 A - </td <td></td> <td>В</td> <td>.00</td> <td>7.40</td> <td>9.20</td> <td>13.20</td> <td>13,60</td> <td>13.60</td> <td>12.50</td> <td>8.00</td>		В	.00	7.40	9.20	13.20	13,60	13.60	12.50	8.00
LU-8 A 10.60 11.55 12.30 12.45 12.55 12.46 10.25 11.00 LU-9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 LU-10 A - 11.50 11.60 11.60 11.60 11.60 9.90 9.70 LU-10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 LU-11 A - 3.5 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU-12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00	LU - 7	Α	1.92	2.50	3.27	3.37	3.37	3.33	2.12	2.30
B 13.74 13.74 13.84 13.94 14.14 13.94 12.74 13.40 LU - 9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 B - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.80 LU - 11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A -		В	3.40	4.70	5.50	5.70	5.70	5.65	4.50	4,40
LU - 9 A - 11.20 11.50 12.60 12.65 12.60 11.00 10.50 LU - 10 A - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 LU - 11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14	LU - 8	Α	10.60	11,55	12.30	12.45	12.55	12.46	10.25	11.00
B - 11.50 11.60 11.60 11.60 9.90 9.70 LU - 10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 LU - 11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40		В	13.74	13.74	13.84	13.94	14.14	13.94	12.74	13.40
LU-10 A - 1.30 2.05 2.20 3.00 2.50 2.70 .50 B - 6.30 6.50 7.30 7.40 6.70 7.40 5.80 LU-11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU-12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU-13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU-14 A - 7.10 8.40 8.45 dry 6.80 5.40	LU - 9	A	-	11.20	11,50	12.60	12.65	12.60	11.00	10.50
B - 6.30 6.50 7.30 7.40 6.70 7.40 5.89 LU - 11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40		В	-	11.50	11.60	11.60	11.60		9,90	9.70
LU - 11 A - .35 7.50 7.80 8.20 7.20 6.60 B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40	LU - 10	Α	-	1.30	2.05	2.20	3.00	2.50	2.70	.50
B - 2.05 2.65 3.05 3.35 3.45 1.05 .90 LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40	L	В	-	6.30	6.50	7.30	7.40	6.70	7.40	5.80
LU - 12 A - 7.30 7.60 8.40 8.50 8.36 6.40 6.10 B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40	LU - 11	Α	-	.35	7.50	7.80	8.20		7.20	6,60
B - - 7.25 7.95 8.00 8.00 5.75 4.00 LU - 13 A - - 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40		В	-	2.05	2.65	3.05	3.35	3.45	1.05	.90
LU - 13 A 6.70 7.20 7.35 7.25 5.70 5.50 LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40	LU - 12	A	-	7.30	7.60	8.40	8.50	8.36	6.40	6.10
LU - 14 A - 7.10 8.40 8.45 dry 6.80 5.40	L	В		_	7.25	7.95	8.00	8.00	5.75	4.00
1 1 1 1 1 1 1 1 1 1	LU - 13	A	-	_	6.70	7,20	7.35	7,25	5.70	5.50
1 1 1 1 1 1 1 1 1 1										
B - 7.15 9.60 8.15 9.45 9.60 5.65 6.05	LU - 14	Α	-	7.10	8.40	8.45	dry		6,80	5,40
	L	В	<u></u>	7.15	9.60	8.15	9.45	9.60	5,65	6.05

(Note) G.W.D: Groundwater Depth from Surface.

Appendix 7(4) Result of Observation

Province: Luapula District: Mansa	Aqu	ifer:	Granite		Groundwater Level (m) Well No.LU-1A					
				0	Well No.LU-1A					
Site Name: Kaole P.Sch.	No. 1	Month 94May	G.W.L(GL-m) -5,5	2						
Diameter: 1200 mm	2	Jun	6.0							
Depth: 7.84 m	1 3	Jul	7.3	4						
Yield: Vday	1		7.4	6						
	1 3	Sep		-						
*	<u> </u>	Oct	8.0	8						
Elevation: 1220 m	6	Nov	8.1	10						
Grid Ref.: N=8765Km50m	7	95Feb	5.8		94 95					
E=706Km250m	8	Mar	5,1		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr					
Maximum Groundwater L				1.						
Province: Luapula	Aqu	ifer:	Granite							
District: Mansa		·	4 1 1	0	Groundwater Level (m) Well No LU-1B					
Site Name: Sumbu Vil.	No.	Month	O.W.L(GL-m)	U						
	1	94May	4,3	2						
Diameter: 1200 mm	2	Jun	6.8		lu sjete Helele 🖡					
Depth: 9.69 m	3	Jul	9.6	4						
Yield: 1/day	4	Sep	9.7	6						
Map No. 1128B2	5	Oct	9.8	•						
Elevation: 1219 m	6	Nov	9.7	8						
Grid Ref.: N=8759Km250m	7			• •						
	<u> </u>	95Feb	4.0	10	94 95					
E=706Km0m	8	Mar	4.5		May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr					
Maximum Groundwater L				· .						
Province: Luapula	Aqu	ifer:	Granite		Constitution					
District: Mansa					Groundwater Level (m) rell No.LU-2A					
Site Name: Tomas Vil.	}	Month	G.W.L(GL-m)	•						
	1	94May	4.2	. 1						
Diameter: 1200 mm	2	Jun	4.8	2						
Depth: 5.25 m	3	Jul	5.1	•						
Yield: I/day	4	Sep	5.2	1						
Map No. 1129C1	5	Oct	5.3	. 4	Alliani Earbe 🖊 👀 🖪					
Elevation: 1089 m	6	Nov	Dry		Dry					
Grid Ref.: N=8703Km500m	7	'95Feb	3.2	:	State of the second					
E=729Km150m	8	Mar	3.7		94 95					
Maximum Groundwater I.					May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr					
Province: Luapula		ifer:	Granite							
District: Mansa	1				Groundwater Level (m) Well No.LU-2B					
Site Name: Milambo Pol.	No.	Month	O.W.L(GL-m)	. 0	Well No.LU-2B					
one rame. Minarioo / Or.	1	94May	7.0	2						
Diameter: 1200 mm	1 2	Jun	8.1							
Depth: 10.89 m	_			4						
	3	Jul	9.0	6						
Yield: 1/day	4	Sep	9.4	8						
18 Jan 37a 11000	5	Oct	10.0							
Map No. 1129CI	-	I Talian	8.5	10	kan bi alika kalendi kamatan da akti kalendari da kalendari da kalendari da kalendari da kalendari da kalendari					
Elévation: 1118 m	6	Nov								
Elevation: 1118 m Grid Ref.: N=8702Km700m	7	'95Feb	6.4	12	201					
Elévation: 1118 m	7 8	95Feb Mar	6.4 5.2	12	94 95 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr					

Appendix 7(5) Result of Observation

Province: Luapula District: Kawambwa	Aqu	ifer:	Shale	Groundwater Level (m)
		 1		0
Site Name: Polo Vil.		Month	G.W.L(GL-m)	
		317/117	4.2	
Diameter: 1200 mm	2	Jun	44	
Depth: 9.05 m	3	Jul	4.8	
Yield: Vday	1	Sep	5.6	6 - Or of the first springer of the first
Map No. 0929C3	5	Oct	9.1	Dry
Elevation: 1262 m	6.	Nov	Dn	8
Grid Ref.: N=8916Km900m	7	95Feb	4.4	94 95
E=723Km400m	8	Mar	4.0	May Jun Jul Aug Sep Oct Nov Doc Jan Feb Mar Ap
Maximum Groundwater L	evel	Fluctuat	ion(m) 5.1	
Province: Luapula	Αğι	ifer.	Shale	
District: Kawambwa	1			Groundwater Level (m) Well No.LU-3B
Site Name: Kambile Vil.	No.	Month	G.W.L(GL-m)	0
	T	94May		2
Diameter: 1400 nm	2	Jun	7.8	
Depth: 9.1 m	3	Jul	8.2	4
Yield: Vday	1	Sep	8.5	6 1
Map No.	5	Oct	8.6	
Elevation: m	6	Nov	8.5	8
Grid Ref.:	7	95Feb	6.4	
Ond Ivel	8	Mar	4.5	94 95
Maximum Groundwater L	1			May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Province: Luapula		ifer:	Quartzite	
District: Nchelenge	امور	mer.	Quartzite	Groundwater Level (m) Well No.LU-4A
Site Name:	1.5	Month	CWITCH IN	0 Well No.LU-4A
the state of the s	1		G.W.L(GL-m)	
Kampampi Sch. Diames 1200 mm	2	94May	13.7	5
	3	Jun	14.1	
Depth: 18.42 m		Jul		10
Yield: Vday	4	Sep	13.4	
Map No. 0928B3	5	Oct	18.2	ls Dry
Elevation: 942 m	6	Nov	Dry	
Grid Ref.: N=8954Km250m	1	95Feb	18.3	94 95
E=691Km250m	8	Mar	12.6	May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Ap
Maximum Groundwater L				
Province: Luapula	Aq	ifer:	Quartzite	Groundwater Level (m)
District: Nchelenge	\vdash			0 Well No.LU-4E
Site Name:	No.	Month	O.W.L(GL-m)	
Kampampi Vil.	1	94May	12.2	
1000	2	Jun	12.7	
Diameter: 1200 mm	3	Jui	13.1	
Depth: 13.5 m		Sep	13.1	
	4	J-Cp		1 I /
Depth: 13.5 m	4	Oct	13.2	[· 10] · · · · · · · · · · · · · · · · · ·
Depth: 13.5 m Yield: 1/day				10 Dry
Depth: 13.5 m Yield: Vday Map No. 0928B3 Elevation: 940 m	5	Oct Nov	13.2 Dry	12
Depth: 13.5 m Yield: I/day Map No. 0928B3	5	Oct	13.2 Dry	1 1 1

Appendix 7(6) Result of Observation

Province: Luapula	TAdu	ifer:	Shale		
District: Mwense		ncr.	Shale		Groundwater Level (m) Well No.LC-3.4
Site Name: Mwenda Rho	. No.	Month	G.W.L(GL-m)	0	Well No.LC-5.4
one Panie, Privenua Rik	1 30		2.8		
Diameter: 1200 mm	$+\frac{1}{2}$	94May	3.2	1	
	$\frac{2}{3}$	Jun			
Depth: 4.14 m		Jul	3.5	2	
Yield: Vday	1.	Sep	3.7	3	
Map No. 1029A3	_ 5	Oçt	3.8	J .	
Elevation: 1247 m	6	Nov	3.8	4	* • •
Grid Ref.: N=8840Km750r	-	95Feb	2.8		95
E=739Km0m	8	Mar	2.6		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater					
Province: Luapula	Aqu	ifer:	Shale		
District: Mwense				0 6	Groundwater Level (m) Well No. LU-5B
Site Name: Mwenda Sch	. No.	Month	O.W.L(GL-m)		
	1	94May	2.2	1	
Diameter: 1200 mm	2	Jun	2.6		
Depth: 3.83 m	3	Jul	3.4	2	
Yield: I/day	4	Sep	3.5		
Map No. 1029A3	5	Oct	3.5	3	
Elevation: 1240 m	6	Nov	3.5		
Grid Ref.: N=8840Km850	n 7	95Feb	1,5	1 ₄ l	
E=738Km450m	8	Mar	1.4		94 95
Maximum Groundwater					May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Province: Luapula		ifer:	Granite	1	
District: Mwense	-			1	Groundwater Level (m)
Site Name: Nkomba Vil.	No.	Month	O.W.L(GL-m)	Į o	Well No LU-6A
		94May	9.6	2	
Diames 1200 mm	1 2	Jun	9.7	4	
Depth: 13.12 m	3	Jul	11.8	6	
Yield: I/day		Sep	12.7	8	
Map No. 1028B3	5	Oct	12.7	10	
Elevation: 3050+0.8m	6	Nov	12.7	12	
Grid Ref.: N=8843Km800		95Feb	10.9	1	
E=681Km0m	8	Mar	10.4	14	94 95
Maximum Groundwater				1	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Province: Luapula		ifer:	Granite		
District: Mwense	^^q	mei.	Granice		Groundwater Level (m)
`	_ -	l	la w t at .	0	Well No. LU-6D
Site Name:	<u> </u>	Month	G.W.L(GL-m)	ž	
Kabundafyela Sch.		94May	0.0	4	Lavidora de la lacidad de lacidad de lacidad de la lacidad de lacidad
Diameter: 1400 mm	2	Jun	7.4	l .	
Depth: ni	3	Jul	9.2	6	
Yield: I/day		Sep	13.2	8	
		Oct	13.6	10	
Map No.	5	 	4	1 12	
Map No. Elevation: m	6	Nov	13.6	12	
Map No.	6	95Feb	12.5	14	
Map No. Elevation: m	6 7 8	95Feb Mar	12.5 8.0	1	94 95 May Jun Jul Aug Sep Od Nov Dec Jan Feb Mar Apr

Appendix 7(7) Result of Observation

	uapula	Aqu	ifer:	Alluvium		Groundwater Level (m) Well No.LU-7A
District: S		L			0.	Well No.LU-7.A
Site Name: K	Calasa	No.		G.W.L(GL-m)		
<u>:</u>	·	1	94May	1.9	1	
Diameter:	1200 mm	2_	Jun	2.5		
Depth:	3.82 m	3	Jul	3.3	2	
Yield:	l/day	4	Sep	3.4		
Map No. 1	129D	5	Oct	3,4	3	
Elevation:	m	6	Nov	3.3		
Grid Ref.: N		7	95Feb	2.1	1 1	94 95
	=78KmJ00m	8	Mar	2.3	! .	May Jun Ju Aug Sep Oct Nov Dec Jan Feb Mar Ap
	roundwater Le				-	sias jung ju Aug sep oct from the san Tensial in
				 		
Province: L		Aqu	ifer:	Alluvium		Groundwater Level
 	Samilya			,	م.0	Well No. LU-7B
Site Name: P	atimule	No.	Month	G.W.L(GL-m)		
,		1	94May	3.4	'	
Diameter:	1200 mm	2	Jun	4.7] ²	
Depth:	6.4 m	3	Jul	5.5	3 }	
Yield;	l/day	4	Sep	5.7]	
Map No. 1	129D	5	Oct	5.7	4	
Elevation:	m	6	Nov	5.7	1 5 }	
Grid Ref.: N	₹=869Km240m	7	95Feb	4.5	ا ۾ ا	
	=78Km100m	8	Mar	4.4	∤	94 95
	roundwater Le				1	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Province: L			ifer:	Alluvium	 	
	Samfya	aqu	iici.	Alluvium		Groundwater Level
		.	1	la uu või	Ó	Well No.LU-8A
one Name: N	Kabanga Sch.	}	Month	O.W.L(GL-m)	2	
	1000	1	94May	10.6		
Diames	1200 mm	2	Jun	11.6		
· • · · · · · · · · · · · · · · · · · ·	13.15 m	3	Jul	12.3	6	
Yield:	l/day	4	Şep	12.5	4	
Map No. 1	129B	5	Oct	12.6	4	
Elevation:	ຄາ					
		6	Nov	12.5	12	
Grid Ref.: N		6 7	Nov 95Feb	12.5 10,3	12 14	
Grid Ref.: N		1			14	94 95 May hun but Atto Sen Oct Nov Doy Jan Feb Mar Act
Grid Ref.: N	₹=874Km550m	7	95Feb Mar	10,3 11.0	14	94 95 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Grid Ref.: N E Maximum G	k=874Km550m E=77Km850m roundwater L	7 8 evel	95Feb Mar Fluctuat	10,3 11.0 ion(m) 2.3	14	May Jun Jul Aug Sep Oct Nov Doc Jan Feb Mar Apa
Grid Ref.: N E Maximum G Province: L	k=874Km550m =77Km850m froundwater Lo Luapula	7 8 evel	95Feb Mar	10,3 11.0	14	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S	t=874Km550m =77Km850m iroundwater L Luapula Samfya	7 8 evel Aqu	95Feb Mar Fluctuat ifer:	10.3 11.0 ion(m) 2.3 Alluvium	14	May Jun Jul Aug Sep Oct Nov Doc Jan Feb Mar Apa
Grid Ref.: N E Maximum G Province: L	t=874Km550m =77Km850m iroundwater L Luapula Samfya	7 8 evel Aqu	95Feb Mar Fluctuat ifer:	10,3 11.0 ion(m) 2,3 Alluvium	14	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S	K=874Km550m E=77Km850m Froundwater Lo Luapula Samfya Samfya Sch.	7 8 evel Aqu	95Feb Mar Fluctuat ifer: Month 94May	10.3 11.0 ion(n) 2.3 Alluvium 0.W.(GLm) 13.7	0	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter:	8=874Km550m E=77Km850m froundwater Le Luapula Samfya Samfya Sch.	7 8 evel Aqu No. 1 2	95Feb Mar Fluctuat ifer: Month 94May Jun	10.3 11.0 ion(nt) 2.3 Alluvium G.W.L(GLm) 13.7 13.7	0	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter: Depth:	K=874Km550m E=77Km850m Froundwater Lauapula Samfya Samfya Sch. 1200 mm 14.84 m	7 8 evel Aqu No. 1 2 3	95Feb Mar Fluctuat ifer: Month 94May Jun Jul	10.3 11.0 ion(m) 2.3 Alluvium 0.W.L(GLm) 13.7 13.7	0 5	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter: Depth: Yield:	V=874Km550m E=77Km850m Froundwater Le Luapula Samfya Samfya Sch. 1200 mm 14.84 m Vday	7 8 evel Aqu No. 1 2 3	95Feb Mar Fluctuat ifer: Month 94May Jun Jul Sep	10,3 11.0 ion(m) 2.3 Alluvium 0.W.L(GLm) 13.7 13.8 13.9	0	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter: Depth: Yield: Map No. 1	I=874Km550m E=77Km850m Froundwater Le Luapula Samfya Samfya Sch. 1200 mm 14.84 m Uday	7 8 evel Aqu No. 1 2 3 4 5	95Feb Mar Fluctuat ifer: Month 94May Jun Jul Sep Oct	10.3 11.0 ion(n) 2.3 Alluvium 0.W.(GLm) 13.7 13.8 13.9 14.1	0 5	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter: Depth: Yield: Map No. L Elevation:	I=874Km550m E=77Km850m Froundwater Le Luapula Samfya Samfya Sch. 1200 mm 14.84 m Uday	7 8 evel Aqu No. 1 2 3 4 5	95Feb Mar Fluctuat ifer: Month 94May Jun Jul Sep Oct Nov	10.3 11.0 ion(m) 2.3 Alluvium 0.W.L(GLm) 13.7 13.8 13.9 14.1 13.9	0 5	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter: Depth: Yield: Map No. I	I=874Km550m E=77Km850m Froundwater Le Luapula Samfya Samfya Sch. 1200 mm 14.84 m Uday	7 8 eyel	95Feb Mar Fluctuat ifer: Month 94May Jun Jul Sep Oct	10.3 11.0 ion(nt) 2.3 Alluvium 0.W.L(GLm) 13.7 13.8 13.9 14.1 13.9	0	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr Groundwater Level Well No LU-SB
Grid Ref.: N E Maximum G Province: L District: S Site Name: S Diameter: Depth: Yield: Map No. L Elevation: Grid Ref.: N	I=874Km550m E=77Km850m Froundwater Le Luapula Samfya Samfya Sch. 1200 mm 14.84 m Uday	7 8 evel Aqu No. 1 2 3 4 5	95Feb Mar Fluctuat ifer: Month 94May Jun Jul Sep Oct Nov	10.3 11.0 ion(m) 2.3 Alluvium 0.W.L(GLm) 13.7 13.8 13.9 14.1 13.9	0 5	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apa Groundwater Level

Appendix 7(8) Result of Observation

Province: Luapula	Aqui	ler:	Granite :		Groundwater Level (m) Well No.LU-9A
District: Mansa	4.4			0	WellJoCll-9A
Site Name:	No.	Month	G.W.L(GL-m)		
Kumdamfumu Sch.	<u> </u>	94May		5	
Diameter: 1400 mm	2	Jun	11.2		
Depth: 13.1 m	3	Jul	11.5		
Yield: 2000 1/day	:4	Sep	12.6	10	
Map No. 1128D2	5	Oct	12.7	1	
Elevation: 1358 m	6	Nov	12.6	15	
Grid Ref.: N=8723Km350m	7	93Feb	11.0	''	94 95
E=691Km250m	8	Mar	10,5]	May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apt
Maximum Groundwater Le	evel F	luctual	ion(m) 2.2		
Province: Luapula	Aqu	fer:	Granite		
District: Mansa				0	Groundwater Level (m) Well No LU-9B
Site Name:	No.	Month	O.W.L(GL-m)		
Kudamfumu Sch.	1	94May		2	
Diameter: 1400 mm	2	Jun	11.5	4	
Depth: 11.6 m	3	Jul	11.6	6	
Yield: I/day	4	Sep	11.6		
Map No. 1128D2	5	Oct	11.6	8	
Elevation: 1355 m	6	Nov		10	
Grid Ref.: N=8723Km100m	7	95Feb	9.9	12	
E=691Km200m	8	Mar	9.7	1	94 95
Maximum Groundwater L	ėvel I				May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Province: Luapula		ifer:	Quartzite	 -	
District: Mansa			Quantant	j .	Groundwater Level (m)
Site Name: Chembe Cus.	No.	Month	O.W.L(GL-m)	0	Well No.LU-10A
one training continue cous,	1	94May	O	0.5	
Diames mm	2	Jun	1,3	1 1	
Depth: 3.1 m	$\frac{1}{3}$	Jul	2.1		
Yield: Vday	1 4	Sep	2.2	1.5	
Map No. 1128D3	5	Oct	3.0	2	
Elevation: 1057 m	6	Nov	2.5		
Grid Ref.: N=8676Km650m	7	95Feb	2.7	-	
E=690Km0m	8	Mar	0,5	. 3	94 95
Maximum Groundwater L	1			1	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Province: Luapula		ifer:	Quartzite	<u> </u>	
District: Mansa	ռգ ւ	ilici.	Quartziic		Groundwater Level (m)
Site Name: Chmbe Sch.	,_	11	Towns :	0	Well No LU-10B
one Name. Chille Sen.	No.	Month	G.W.L(GL-m)	4	
Diameter	+	94May		2	
Diameter: mm	2	Jun	6.3		Fig. 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Depth: 8.4 m	3	Jul	6.5	-4 4	
Yield: I/day	1 4	Sep	7.3	(ˈl	
Map No. 1128D3	5	Oct	7.4	_	
Elevation: 1077 m	6	Nov		-1	
Grid Ref.: N=8678Km450m	-	95Feb			V4 755
E=689Km800m	8	<u> Mar</u>	5.8		May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apt
Maximum Groundwater I			tion(m) = 1.6		

Appendix 7(9) Result of Observation

Site Name: Fiyongoli	Province: I	_uapula	Aqui	ifer:	Granite		
Diameter: 1400 mm 2 Jun 0.35 10 7.5 10 1128B2 5 Oct 8.2 10 1213 m 6 Nov 1128B2 5 Oct 8.2 10 1213 m 6 Nov 6 Ref. N=371Endm 7 99Feb 1.05 1128B2 10 1205 m 6 Nov 128B2 1205 m 1205 m 6 Nov 128B2 1205 m 1205 m 1205 m 1206 m	District: N	Mansa				٠.	Groundwater Level (m) Well No.LU-11A
Diameter: 1400 mm 2 Jun 0.35	Site Name: (Chofoshi Sch.	No.	Month	G.W.L(GL-m)	U	
Depth: 8.2 m 3			1	94May		2	
Depth: 8.2 m 3	Diameter:	1400 mm	Ź		0.35		
Yield: Viday 4 Sep 7.8 6 8	Depth:	8.2 m	3	Jul	7.5	-	
Map No. 1128B2 5 Oct 8.2						6	
Elevation: 1213 m						٥	
Grid Ref.: N-8771Kn/6m 7 95Feb 7.2						0	
E-701Km0m	<u> </u>				7.2	10	10.1
Maximum Groundwater Level Fluctuation(m) 7.85							
Province: Luapula District: Mansa Site Name: Flyongoli No. Mooth O.W.L(GL-m) 1 94May Diameter: 1400 mm 2 Jun 2.05 1.5 No. Mooth O.W.L(GL-m) 1 No. Mooth O.W.L(GL-m) 1 No. No. Mooth O.W.L(GL-m) 1 No. No. Mooth O.W.L(GL-m) 1 No.			T				May Jun Jul And Seh ove Worker Jul 150 Mat Aft
District: Mansa Site Name: Fiyongoli No. Month G.W.L(GLm) 1 94May 1 1 1 1 1 1 1 1 1							
District National			Aqu	iier:	Granite		Groundwater Level (m)
Diameter: 1400 mm 2 Jun 2.05 1.5 Depth: 3.55 m 3 Jul 2.65 1.5 Yield: I/day 4 Sep 3.05 Map No. 1128B2 5 Oct 3.35 2.5 Elevation: 1206 m 6 Nov 3.45 3 Grid Ref.: N-8766Km0m 7 95Feb 1.05 E-708Km0m 8 Mar 0.9 Maximum Groundwater Level Fluctuation(m) 2.55 Province: Luapula Aquifer: Alluvium District: Kawambwa Site Name: Mushota Sch. No. Month O.W.L(GLm) 1 94May			ļ			0	
Diameter: 1400 mm 2 Jun 2.05 1.5	Sité Name: I	Fiyongoli			G.W.L(GL-m)	0.5	
Diameter			<u> </u>	94May			
Yield: Yiday 4 Sep 3.05 2.5	Diameter:		2	Jun		_	化工具医自制制工具 医洗透镜
Map No. 1128B2 5 Oct 3,35 3	Depth:	3,55 m	3	Jul	2.65		· • · · · · · · · · · · · · · · · · · ·
Elevation: 1206 m 6 Nov 3,45 3 3 5 5 5 5 5 5 5	Yield:	l/day	4	Sep	3.05		
Grid Ref.: N=8766km0m	Map No.	1128B2	5	Oct	3.35	2.5	
E=708Km0m 8 Mar 0.9 Maximum Groundwater Level Fluctuation(m) 2.55	Elevation:	1206 m	6	Nov	3.45	3	
E=708Km0m	Grid Ref.: 1	N=8766Km0m	7	95Feb	1.05	3.5	
Maximum Groundwater Level Fluctuation(m) 2.55 Province: Luapula District: Aquifer: Alluvium Alluvium Groundwater Level (m) Well No.LU. Site Name: Mushota Sch. No. Month O.W.L(GL-m) 0 Diameter: 1400 mm 2 Jun 7.3 Depth: 8.4 m 3 Jul 7.6 Yield: I/day 4 Sep 8.4 Map No. 0929C4 5 Oct 8.5 Elevation: 1207 m 6 Nov 8.36 Grid Ref.: N-8914Km250m 7 93Feb 6.4 E-762Km200m 8 Mar 6.1 Maximum Groundwater Level Fluctuation(n) 2.4 Province: Luapula Aquifer: Alluvium District: Kawambwa Groundwater Level (m) Site Name: Mushota Sch. No. Month G.W.L(GL-m) Diameter: 1400 mm 2 Jun Jun Jun Jun Jun Jun Jun		E=708Km0m	8	Mar	0.9	١,	71
Province: Luapula District: Kawambwa Site Name: Mushota Sch. No. Month O.W.L(GL.m) O	Maximum C	iroundwater L	evel	luctuat	ion(m) 2.55	ĺ	trial and and such Off lines See 18th 1 comments.
District: Kawambwa Site Name: Mushota Sch. No. Month O.W.L(GL.m) O							
Site Name: Mushota Sch. No. Month O.W.L(GL-m) 1 94May 2 2 Jun 7.3 4 6 6 6 6 6 6 6 6 6	<u> </u>						Groundwater Level (m)
Diameter: 1400 mm 2	1		No.	Month	(O.W.L/GL-m)	0	
Diameter: 1400 mm 2 Jun 7.3 7.5 Depth: 8.4 m 3 Jul 7.6 Yield: I/day 4 Sep 8.4 Map No. 0929C4 5 Oct 8.5 Elevation: 1207 m 6 Nov 8.36 Grid Ref.: N=8914Km250m 7 95Feb 6.4 E=762Km200m 8 Mar 6.1 Maximum Groundwater Level Fluctuation(m) 2.4 Province: Luapula Aquifer: Alluvium District: Kawambwa Site Name: Mushola Sch. No. Month G.W.L(GLm) Diameter: 1400 mm 2 Jun Depth: 8.25 m 3 Jul 7.25 Yield: I/day 4 Sep 7.95 Map No. 0929C4 5 Oct 8 Elevation: 1201 m 6 Nov 8 Grid Ref.: N=8914Km650m 7 95Feb 5.75 8			1		 	,	
Depth: 8.4 m 3	Diameter:	1400 mm	2		7.3	۔ ا	
Yield: I/day 4 Sep 8.4 6 Map No. 0929C4 5 Oct 8.5 8						4	
Map No. 0929C4					 	_	
Elevation: 1207 m 6 Nov 8.36 8 Grid Ref.; N=8914Km250m 7 95Feb 6.4 E=762Km200m 8 Mar 6.1 Maximum Groundwater Level Fluctuation(m) 2.4 Province: Luapula Aquifer: Alluvium District: Kawambwa I 94May O I 94May O O O O O O O O O					<u> </u>	ľ	
Grid Ref.: N=8914Km250m 7 95Feb 6.4 10 94 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Ma Maximum Groundwater Level Fluctuation(m) 2.4		 				8	I missioner standard replacements of
E=762Km200m]						
Maximum Groundwater Level Fluctuation(m) 2.4	1	: .				10	94 95
Province: Luapula		<u> </u>				1	May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
District: Kawambwa Site Name: Mushota Sch. No. Month G.W.L(GLm) 1 94May 2							
Site Name: Mushola Sch. No. Month G.W.L(GLm) O	L		Aqu	mer;	Miluvium	İ	Groundwater Level (m)
1 94May 2 2 2 2 3 3 3 3 3 4 3 5 5 5 5 5 5 5 5 5				lea a		0	Well No.LU-12B
Diameter: 1400 mm 2 Jun Depth: 8.25 m 3 Jul 7.25 Yield: I/day 4 Scp 7.95 Map No. 0929C4 5 Oct 8 Elevation: 1201 m 6 Nov 8 Grid Ref.: N=8914Km650m 7 95Feb 5.75 8	Site Name:	Mushola Sch.		+	G.W.L(GL-m)		
Depth: 8.25 m 3						2	
Yield: I/day 4 Scp 7.95 Map No. 0929C4 5 Oct 8 Elevation: 1201 m 6 Nov 8 Grid Ref.: N=8914Km650m 7 25Feb 5.75 8	<u></u>						
Map No. 0929C4 5 Oct 8 Elevation: 1201 m 6 Nov 8 Grid Ref.: N=8914Km650m 7 95Feb 5.75 8			}	}	·	4	
Elevation: 1201 m 6 Nov 8 Grid Ref.: N=8914Km650m 7 95Feb 5.75 8						Į	
Grid Ref.: N=8914Km650m 7 95Feb 5.75 8	<u> </u>	 				6	
Grid Ref.: N=8914Km650m 7 95Feb 5.75 8				Nov	1]	
The state of the s	Grid Ref.:	N=8914Km650m	7	95Feb	5.75	8	25
I remove that I O I Make I A I I		E=762Km600m	8	Mar	4		94 95 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
Maximum Groundwater Level Fluctuation(m) 4	Maximum (Groundwater L	evel	Fluctuat	ion(nı) 4	1	A rest car of a reference with the same same safe and

Appendix 7(10) Result of Observation

				Groundwater Level (m) Well No. LU-13A	
District: Mansa			·	6 6	Act-03.07 lisy
Site Name:		Month	G.W.L(GL-m)		
Mambilima Rhc.	1	94May		2	
Diameter: 1400 mm	2	Jun	<u> </u>		
Depth: 9.3 m	3	Jul	6.7	4	
Yield: I/day	4	Sep	7.2		
Map No. 1128B1	5	Oct	7.35	6	
Elevation: 1067 m	6	Nov	7.25		
Grid Ref.: N=8769Km0	7	95Feb	5.7	8	94 95
E=669Km600m	8	Mar	5.5	·	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater Le	evel l	luctuat	ion(m) 1.85		
Province: Luapula	Aqu	ifer:	Gneiss		
District: Nchelenge	1				Groundwater Level (m) Well No LU-14A
Site Name: Kaseke Sch.	No.	Month	G.W.L(GL-m)	0	
	1	94May		2	
Diameter: 1400 mm	2	Jun	7.1	1	
Depth: m	3	Jul	8.4	4	
Yield: Vday	4	Sep	8.45		
Map No. 0929A1	5	Oct	Dr)	6	
Elevation: 966 m	6	Nov	 '	1.0	Dry 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Grid Ref.: N=9000Km500m	7	95Feb	6.8	8	principal territory and the second and the
E=727Km550m	8	Mat	5.4	•	94 95
Maximum Groundwater Lo					May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Province: Luapula		ifer:	Gneiss	<u> </u>	
District: Nchelenge	1				Groundwater Level (m)
Site Name: Kascke Vil.	No.	Month	O.W.L(GL-m)	0	Well No.LU-14B
	1	94May		2	
Diameter: 1400 mm	2	Jun	7.15		
Depth: 9 m	3	Jul	9.6	4	
Yield: Vday	4	Sep	8.15	6	
Map No. 0929A1	5	Oct	9.45	6	
Elevation: 964 m	6	Nov	9.6	8	
Grid Ref.: N=9000Km150m	7	95Feb	5.65	10	
E=727Km450m	8	Mar	6.05	10	94 95 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
E~127KHH43KKH					

Appendix 8

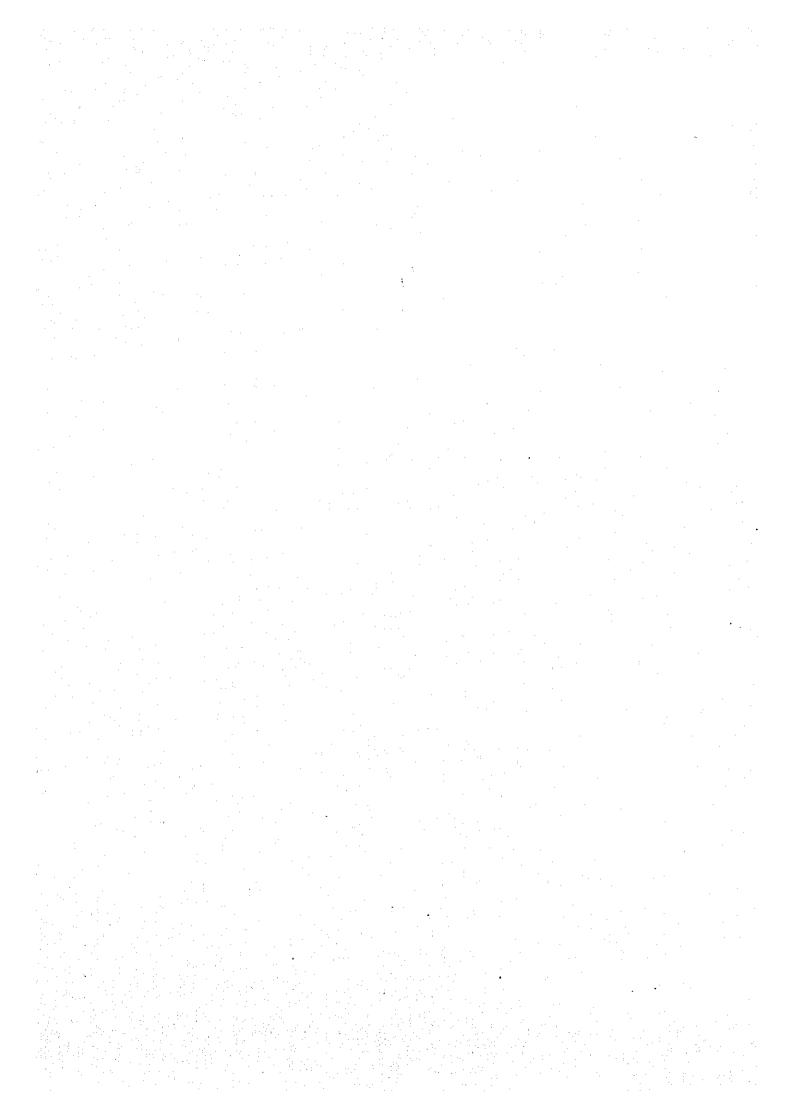
Observation Result in Northern Province

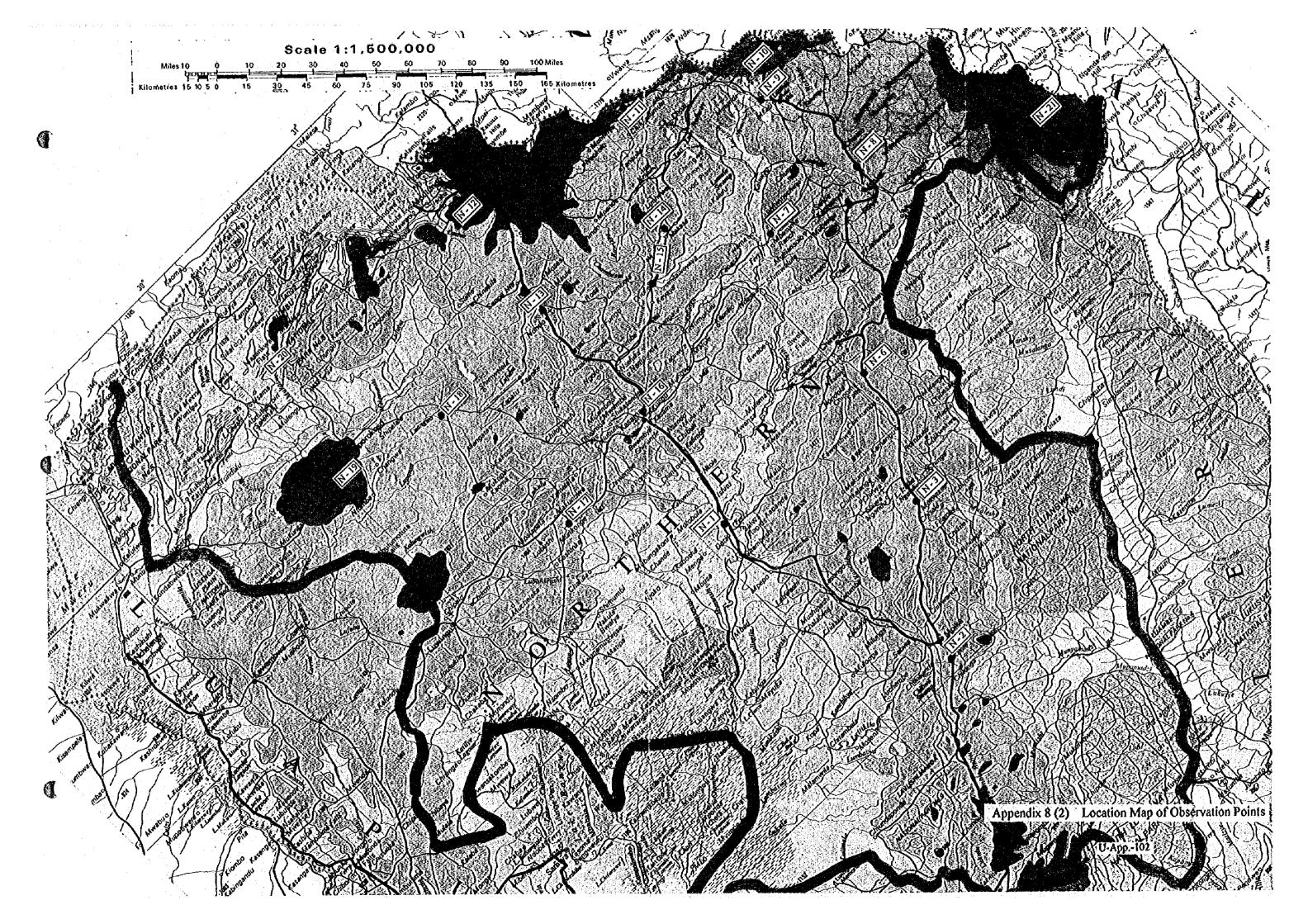
Appendix 8 (1) List of Observation Points

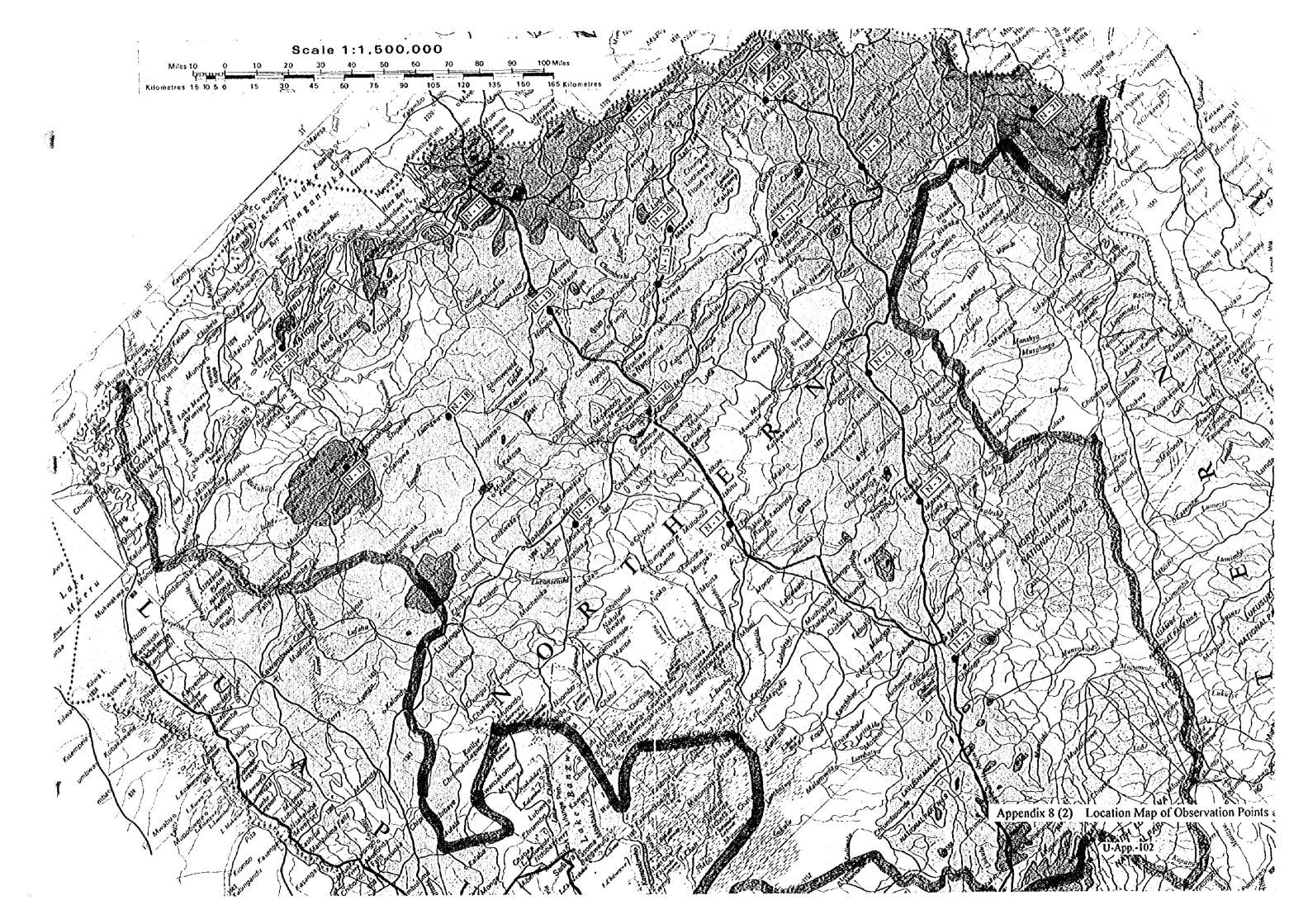
<Northern Province >

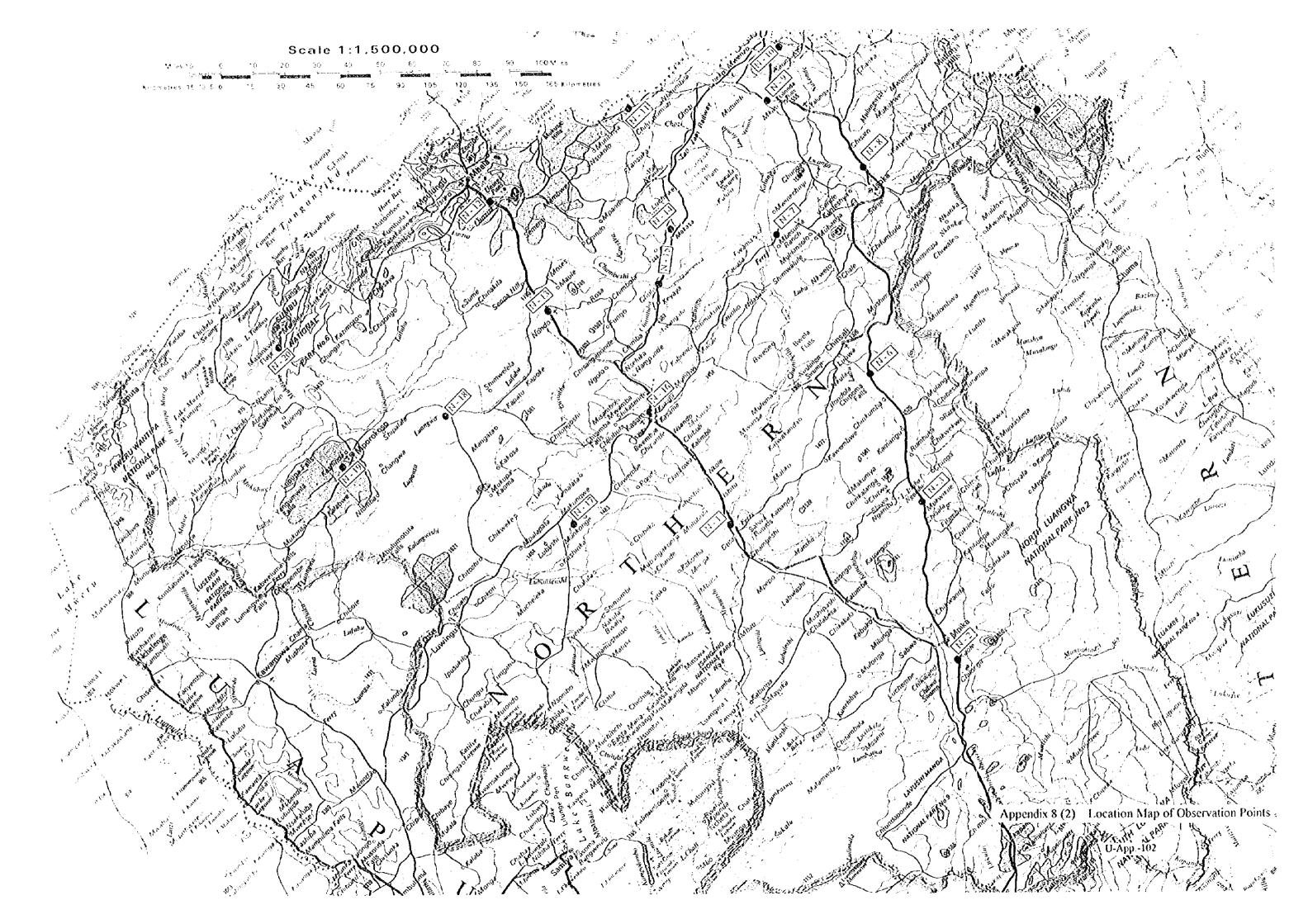
1

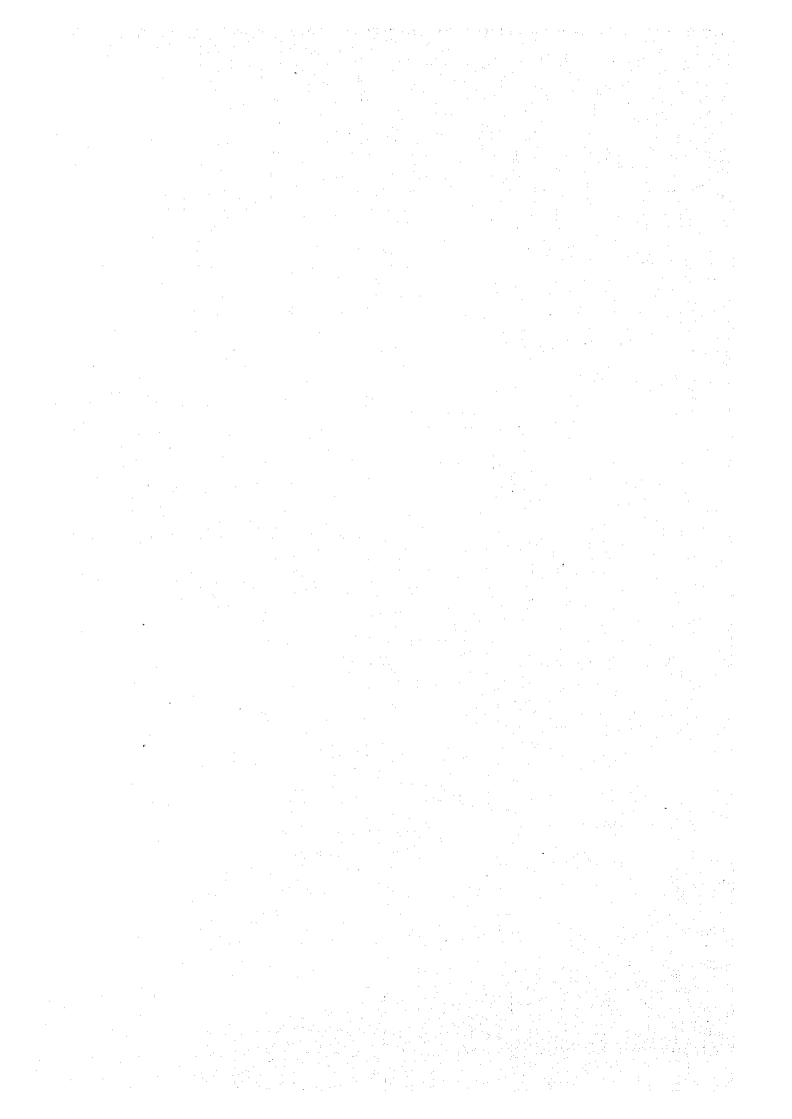
Point	n Provinc	Geology	Elevation	District	Site Name
No.	No.	Ocology -	(m)	Distiller	one Name
N - 1	· — · · · · · · · · · · · · · · · · · ·	Shale	1200	Kasama	Variate
14 - 1	A B	Shale Shale	1200	nasama	Kapata Chileshe Sch.
N - 2	A	Shale	1390	Mailea	Chishibasonde Sch.
14 - 2	A :	Shale	1390	Mpika	Chishioasonde Sch.
N - 3	A	Shale	1560	Mpika	Mukwikile Vil.
14 - 3	B	Shale	1490	wipika	
N - 6	A	Shale	1370	Chinsali	Pwanda Nasinkamba Farm
14 - 0	B	Shale	1370	Chinsan	The second secon
N - 7	• A	Shale			Chewe Vil.
14 - 1	•		1282	Isola	Kaso P.Sch.
N o	В	Shale	1280	t1:	Kalukanya Vil.
N - 8	A	Shale	1275	Isola	Ntipo P.Sch.
N: 0	В	Shale	1295	T1-	Ntipo P.Sch.
N - 9	A	Alluvium	1350	Isola	Waitwika Vil.
N 10	В	Alluvium	1360		Kabonga Vil.
N - 10	A	Granite	1680	Nakonde	Imbrahim
	B	Granite	1630	 	Ntindi P.Sch.
N - 11	A	Granite		Nakonde	Mukalizi P.
N - 12	A	Meta	1669	Mbala	Muyakasi Vil.
	В	Meta	1669		Muyakasi Vil.
N - 13	A	Shale	1560	Mbala	Nóndo Market
	: B	Shale	1500		Nondao R.H.C.
N - 14	A	Shale	1260	Mbala	Chief Palace
	В	Granite	1300		Michael Kafisha Vil.
N - 15	A	Gneiss	1260	Kasama	Fundala Vil.
	В	Granite	1240	· 	Chanda Mali Vii.
N - 16	A	Shale	1340	Kasama	Chanda Mukulu Vil.
	В	Shale	1360		Malitino Vil.
N - 17	A	Granite	1380	Kasama	Mukonge P.Sch.
	В	Shale	1420		Mukonga R.Camp
N - 18	A	Shate	1430	Mporokoso	Mukolwe R.H.C.
N - 19	A	Shale	1425	Mporokoso	Mutamba Vil.
_	В	Shale	1430		Kashinda P.Sch.
N - 20	A	Meta		Kaputa	Sumbu Market
	В	Meta	1180	,	Camp Vil.
N - 21	A	Gneiss	1490	Isoka	Triendere S.C.
•	В	Gneiss	1520	. 'A	Thenderd R.H.C.











Appendix 8 (3) Result of Nation-wide Groundwater Level Observation

	- ·	 	*			
_	N-0	 Arm	ν_{ν}		nce	>
~	110	 C 5 11		UVI	1111	-

< North	< Northern Province >											
Point		May. 199		Jul.	Sep.	Oct.		Feb. 1995				
No.	Nó.	G.W.D(m)		G.W.D(m)					G.W.D(m)			
N - 1	A	6.11	7.55	6.18	6.53	6.71	6.94	4.53	1.24			
	В	-	5.40	7.85	8.20	8.40	8.68	7.26	5.91			
N - 2	A	12.52	8.90	9.10	9.14	9.25	9,19	9.61	7,43			
N-3	Α	10.25	16.57	11.03	11.47	11.57	11.85	12.36	10.31			
	В	13.90	10.46	13.90	14.19	14.01	14.68	14.80	13.50			
N-6	A	18.61	18.61	18.61	18.89	19.25	18.98	19.12	17.67			
	В	18.61	18.61	18.61	18.79	18.69	19.08	19.19	16.03			
N - 7	Α,	4.36	4.36	4.36	8,65	8.89	9.38	8.35	6.30			
	В	3.79	3.79	3.79	4.75	3.88	1.37	3,37	2.55			
N - 8	Α	16.50	16.50	16.50	17.20	17,20	17.20	qıż.	dry			
	- B	6.85	6.85	7.27	7.50	7.50	7.50	dry	qú.			
N - 9	A	11.76	11.00	11.82	12.35	12.50	11.91	11.61	11.71			
	В	6.12	6.12	6.12	6.04	6.11	6.11	4.15	3.95			
N - 10	Α	8.20	8.20	8.15	8.16	8,35	9.06	8.85	8.08			
	В	8.20	10.90	8.50	8.80	8.90	8.69	8.25	8.15			
N - 11	Α	7.80	14.90	14.98	14.99	15.14	15.14	14,99	7.75			
								<u> </u>				
N - 12	A .	10.40	10,90	12.17	12.66	13,28	13.92	11.50	8.29			
	В	10.31	10.80	11,23	12.22	13.15	12.90	10.40	7.15			
N - 13	A	12.52	12.40	12.80	13.12	13.44	14.01	14.33	12.45			
	В	12.54	12.25	12.62	12.99	13.35	13.88	14.35	12.71			
N - 14	A		-	4.49	4.70	4.82	4.93	3.96	3.22			
	В	<u> </u>	<u> </u>	8.46	8.66	8.79	9.00	5.30	3.14			
N - 15	A	-	3.00	5.25	5.65	5.86	6.21	5.78	4.10			
	В	-	2.10	4.02	4,55	4.66	5.77	2.15	1.34			
N - 16	A	15.82	16.35	15.70	16.63	17.02	17.85	15.10	13.46			
	В	12.37	12.60	14.91	15.55	15.65	16.14	16.23	15.49			
N - 17	A	7.96	8.20	9.04	10.26	11,10	11.22	10.45	5.40			
	В	-	9.02	11.13	11,66	11.90	12.31	12.79	11.15			
N - 18	A	-		3.25	3.69	4.15	5.12	3.45	2.64			
	 	<u> </u>		 			ļ <u>.</u>	 	ļ <u></u>			
N - 19	A	•	6.70	7.00	7.30	7.60	7.85	7.90	6.70			
	В		5.10	5.40	6.10	6.95	9.35	6.65	2.51			
N - 20	A			3.98	4.15	4.35	3.63	2.45	qú.			
	В	3,47	3.47	3.47	2.86	4.24	2.37	2.39	1.04			
N - 21	A	•	•	9.80	13.10	12.41	13.48	dry	dry			
L	B	<u> </u>	<u> </u>	11.70	12.16	13.30	12.21	dry	dry			

(Note) G.W.D: Groundwater Depth from Surface.

1

Appendix 8(4) Result of Observation

Province: Nortern	Aquiser:	Shale		
District: Kasama			0.	Groundwater Level (m) Well No.N-1.A
Site Name: Kapata	No. Mont] " [
· · · · · · · · · · · · · · · · · · ·	1 9451	ay 6.11	2	
Diameter: 1400 mm	2 Ju	n 7.55		
Depth: m	3 Ju	it 6.18	4	
Yield: Vday	4 Se	p 6.53		
Map No. SC-36-9	5 0	et 6.71	1 6	
Elevation: 1200 m	6 No	v 6.94	8	
Grid Ref.: N=880Km250m	7 95	Feb 4.53]	94 95
E=29Km750m	8 M	ar 4.24		May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
Maximum Groundwater L	evel Fluct	uation(m) 3.31	1	
Province: Nortern	Aquifer:	Shale		
District: Kasama]		0	Groundwater Level (m) Well No. N-1B
Site Name: Chileshe Sch.	No. Mon	th G.W.L(GL-m)	1 "	
	1 94M		2	
Diameter: 1400 mm	2 Ju	n 5,4	1.	
Depth: 9.82 m	3 Ju	1 7.85	4	
Yield: I/day	4 Sc	p 8.2	6	
Map No. SC-36-9	5 0	ct 8.4	1	
Elevation: 1280 m	6 No	ov 8.68	8	
Grid Ref.: N=880Km150m	7 95	Feb 7.26	10	<u> </u>
E=29Km0m	8 M	ar 5.91	1	94 95 May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Maximum Groundwater I	evel Fluct	uation(m) 3.28		and the sot bod och off the bee and commenda-
Province: Nortern	Aquifer:	Shale		
District: Mpika				Groundwater Level (m) Well No.N-2A
Site Name:	No. Mon	th G.W.L(GLm)	0	
Chhishibasonde Sch.	1 943	lay 12.5	2	
Diameter: 1400 mm	2 Ju	in 8.9	4	
Depth: nt	3 J ₁	1 9.1	6	
Yield: I/day	4 Se	p 9.14	8	
Map No. 1131C4	5 0	ct 9.25	10	
Elevation: 1390 m	6 N	ov 9.49	12	
Grid Ref.: N=8681Km550m	7 '95	Feb 9.61		
E=327Km350m	8 M		1 ''	94 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
Maximum Groundwater I	evel Fluci	uation(m) 5 09	i	with you tell work achieve won nec but \$50 vistads.

Appendix 8(5) Result of Observation

	lortern Apika	Aqu	ifer:	Shale		Groundwater Level (m) Well No.N-3A
	lukwikile Vil		<u> </u>	lanitiet	0.0	Well No.N-3A
one Name: N	aukwikite vii			G.W.L(GL-m)	ł	
	1100	1	94May	10.3	5.0	Francis and Indian
Diameter:	1400 mm	2	Jun	16.6		
Depth:	m	3	Jul	11,0	10.0	
Yield:	1/day	4	Sep	- 11,5		
Map No. 1	131B4	5	Oct	11.6	15.0	
Elevation:	1560 m	6	Nov	11.9]	
Grid Ref.: N	=8744Km600m	7	'95Feb	12.4	20.0	94 95
E	=367Km0m	8	Mar	10.3	1	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Ap
Maximum G	roundwater Le	evël I	luctuat	ion(m) 6.3	1	
	lortern	Agu		Shale	7	
District: N	I pika	1				Groundwater Level (m) Well No.N-3B
Site Name: F		No	Month	O.W.L(GL-m)	0.0	
		1	94May	13.9	1	
Diameter:	1400 mm	2	Jun	10.5	5.0	
Depth:	m	3	Jul	13.9	┤ ´¨ │	
Yield:	Vday	1	Sep	14.2	{ :	
	131B2	5			10.0	Friedrich der Steiner der Greiche der Greiche
	1610 m	6	Oct	14.0		
Elevation:			Nov	14.7		
Grid Ref.: N		7	'95Feb	14.8	15.0	94 95
	=371Km450m	8	Mar	13.5	-	May Jun Jul Aug Sep Oct Nov Dee Jan FebMar Apr
	roundwater L					
	Vortern	Aqu	ifer:	Shale		Groundwater Laval (m)
	Chinsali				0.0	Groundwater Level (m) Well No.N-6A
Site Name:		No.	Month	G.W.L(GL-m)] ""	
Nasinkamba		11	94May	18.6	5.0	
Diameter:	1400 mm	2	Jun	18.6		
Depth:	18.72 m	3	Jul	18.6	10.0	
Yield:	Vday	4	Sep	18.9]	
	032C1	5	Oct	19,3	15.0	
Elevation:	1370 m	6	Nov	19.0		医毛膜腺甾醇 的语语电域性
Grid Ref.: N	l=8322Km850m	7	95Feb	19.1	20.0	
E	=406Km200m	8	Mar	17.7		94 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
Maximum G	roundwater L	eyel l	Fluctuat	ion(m) 1.6		
Province: 1	Vortern	Aqu	ifer:	Shale		
District: (Chinsali	-			1	Groundwater Level (m) Well No.N-6B
Site Name: 6	Chewa Vil.	No.	Month	G.W.L(GL-m)	0.0	
1			94May	18.6	1	
Diameter:	1400 mm	2	Jun	18.6	-1 113	hambana gararbaharbah
Depth:	19.76 m	3	Jul	18,6	1	
Yield:	1/day	1	Sep	18.8	4 10.0	
	1032C1	5		18.7	-	
			Oct		15.0	h grandy gyara a la a la a la a 🏰 📗
Elevation:	1360 m	6	Nov	19.1	$+$ \cdot	
	V=3817Km850m	7	95Feb	19.2	20.0	L
			7	1 2 2	7	94 95
E .	=402Km750m Froundwater L	8	Mar	16.0 ion(m) 3.2	-	94 95 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Api

Appendix 8(6) Result of Observation

		Aqui	ifer:	Shate				Groundunter Laval (m)
District: Isol						- 0	٠	Groundwater Level (m) Well No.N-7A
Site Name: Kas	o P.Sch.		Month	GW.LC				
		1	94May	·	4.4	2		
	100 mm	2	Jun		4.4	3		
•	.56 m	3	Jul		4.4		.] '	
Yield:	Uday €	4	Sep		8.7	6	<u> </u>	
Map No. 103	2A2	5	Oct		8.9	8	`	
Elevation: 13	282 m	6	Nov		9.4			
Grid Ref.: №=8	891Km350m	7	95Feb		8.4	10		94 95
E=4.	25Km0m	8	Mar		6.3		· · · M	lay Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Grou	indwater Lev	vel F	luctuat	ion(m)	5.0			
		Aqui		Shale				
District: Isol				Onaro				Groundwater Level (m) Well No.N-7B
Site Name:		No.	Month	0.11.10		ه ر	i.	wentow.19
Kaukany	1.	30.	94May	Jan.20	3.8	1		
	200 mm	2		 		·		
	.88 m		Jun	<u> </u>	3.8	2		
Depun: 4 Yield:		3	Jul	 	3.8			
	1/day	4	Sep	<u> </u>	4.8	3		
	2A2	.5	Oct		3.9	4	•	
	280 m	6	Nov		4.4			
Grid Ref.: N=8	893Km850m	7	95Feb		3.4	šl	91	<u> </u>
	22Km800m	8	Mar	<u></u>	2.6			y Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apt
Maximum Gro	ındwater Lev	vel F	luctuat		2.2			
	tern .	Aqui	ifer:	Shale				
District: Isol	а							Groundwater Level (m) Well No.N-8A
Site Name: Nti	oo P.Sch.	No.	Month	G.W.L(C	3L-m)	C	ا ر	
	. [1	94May		16.5			
Diameter: 10	000 mm	2	Jun		16.5	5	5	
Depth: 1	7,5 m	3	Jul	1	16.5	ı : .		
Yield.	I/day	4	Sep	+	17.2	10)	
Map No. 103	2B1	5	Oct		17.2			化重量工工的 医甲二氏病病炎
	275 m	6	Nov		17.2	15		Dry.
Grid Ref : N=8		7	95Feb	<u> </u>	Dry		' [• • •
	54Km0nı	8	Mar	<u> </u>	Dŋ			94 95
Maximum Gro	L			ion(nı)	$\frac{5.5}{0.7}$	l .	3	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
		Aqui		Shale	0.7	ſ -		
District: Isol		Aqu	iici.	Shate		l	٠	Groundwater Level (m) Well No.N.3B
Site Name: Nu		., 1				0.		Well No.N-8B
one wante, will	N F.OCH.		Month	O.W.L(C		7 1		
Diamete	100	1	94May		6.9	2		
	100 mm	2	Jun	<u> </u>	6.9	, 1		(主题) 医自己的自己的复数
Depth:	m	3	Jul	ļ <u> </u>	7.3	4		ui Habui ju kalipat (di).
Yield:	l/day	1	Sep	<u> </u>	7.5			(美) 化水溶液 化自体 医电线
	2B1	5	Oct	<u> </u>	7.5	6		
	295 m	6	Nov		7.5		•	, prx
Elevation: 12						- ₹		
		7	95Feb		Dry	8 L		
Elevation: 12 Grid Ref.: N=8		7	95Feb Mar	,	Dry Dry	8 L	94	y Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr

Appendix 8(7) Result of Observation

Province: Nortern	Áqu	fer:	Alluvium		Groundwater Level (m)
District: Isola		-		.0	Well No N-9A
Site Name: Waitwika Vil.	No.	Month	G.W.L(GL-m)		
	1	94May	11,8		
Diameter: 1500 mm	2	Jun	11.0	5	
Depth: m	-3	Jul	11.8	, .	
Yield: Vday	4	Sep	12.4	10	
Map No. 0932B3	5	Oct	12.5	10	
	6	Nov	11.9		
			11.6	15	
Grid Ref.: N=8935Km650m	7	95Feb			94 95
E=455Km250m	8	Mar	11.7		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater L					
Province: Nortern	Aqu	ifer:	Alluvium		Geograficative Land (m)
District: Isola	:			0 -	Groundwater Level (m) Well No.N-9B
Site Name: Kabongo Vil.	No.	Month	O.W.L(GL-m)	ľ	
	1	94May	6.1	1 1	
Diameter: 900 mm	2	Jun	6.1	2	
Depth: 6.18 m	3	Jul	6.1	3	
Yield: L'day	4	Sep	6.0	4 -	
Map No. 0932B3	5	Oct	6.1	5	
1	6	Nov	6.1	6	
<u></u>			4.2	7	
Grid Ref.: N=8950Km850m	7	95Feb		/ -	94 95
E=460Km350m	8	Mar	4.0		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater L					<u></u>
Province: Nortern	Aqu	ifer:	Granite		Consideration Laure (co.)
District: Nakonde			· · · · · · · · · · · · · · · · · · ·		Groundwater Level (m) Well No.N-10A
Site Name: Imbrahim	No.	Month	G.W.L(GL-m)	0	
	1 -	94May	8.2	2	
Diameter: mm	2	Jun	8.2		
Depth: m	3	Jul	8.2	4	
Yield: I/day	4	Sep	8.2	6	
Map No. 0932B4	5	Oct	8.4	Ĭ	
Elevation: 1680 m	6	Nov	9.1	8	
Grid Ref.: N=8967Km450m	7	95Feb	8.9	10	
E=479Km0m	8	Mar	8.1	l to	94 95
Maximum Groundwater L	. •			١.	May Jun Jul Aug Sep Oct Nov Dev Jan Feb Mar Apr
Province: Nortern	Aqu	iifer:	Granite		Groundwater Level (m)
District: Nakonde	ļ	·		0	Groundwater Level (m) Well No.N-10B
Site Name: Ntindi P.Sch.	No.	Month	G.W.L(GL-m)		
	1	94May	8.2] 2	
Diameter: mm	2	Jun	10.9	4	kasalos is ir ir ir ir ir ir ir ir k
Depth: m	3	Jul	8.5	6	.
Yield: I/day	4	Sep	8.8	1	
Map No. 0932B4	5	Oct	8.9	8	***
Elevation: 1630 m	6	Nov	8.7	10	
Grid Ref.: N=8970Km750m	7	95Feb		12	
E=473Km300m	8	Mar	8.2	'*	94 95
				1	May Jun Jul Aug Sep Oct Nov Dee Jon Feb Mar Apr
Maximum Groundwater L	Citi	TUCTUAL	ROHUIII) 6.0	<u></u>	· · · · · · · · · · · · · · · · · · ·

Appendix 8(8) Result of Observation

District: Nakonde Site Name: Mukalizi P.					
Site Name: Mukalizi P.			·	,	Groundwater Level (m) Well No.N-11A
	No.	Month	G.W.L(GL-m)	,0	
	-1	94May	7.8	5	
Diameter: mm	2	Jun	14.9		
Depth: m	3	Jul	15.0	10	
Yield: I/day	1	Sep	15.0	1	
Map No.	5	Oct	15.1	15	
Elevation: m	6	Nov	15.1		
Grid Ref.: N=8990Km400n	7	95Feb	15.0	20	94 95
E=410Km150m	8	Mar	7.8		May Jun Jul Aug Sep Oct NovDee Jan Feb Mar Apr
Maximum Groundwater	Level I	Fluctuat	ion(m) 7.4		
Province: Nortern	Aqu	ifer:	Meta		
District: Mbala					Groundwater Level (m) Well No.N-12A
Site Name:	No.	Month	G.W.L(GL-m)	0	
Muyakashi Vil.	ī	94May	10.4	3.36	
Diameter: 1400 mm	2	Jun	10.9	4	
Depth: m	3	Jul	12.2	6	
Yield: 1/day	4	Sep	12.7	8	
Map No. 0831C4	5	Oct	13.3	10	
Elevation: 1669 m	6	Nov	13.9	12	
Grid Ref.: N=9015Km250r	1 7	95Feb	11.5	14	
E=320Km0m	8	Mar	8.3		94 95 May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Maximum Groundwater	Level	Fluctuat	ion(m) 5.6		may see stag out that become
Province: Nortern	Aqu	ifer:	Meta		
District: Mbala					Groundwater Level (m) Well No.N-12B
Site Name:	No.	Month	G.W.L(GL-m)	0	The state of the s
Muyakashi Vil.	1	94May	10.3	2	
Diameter: 1400 mm	2	Jun	10.8	4.	
Depth; ni	3	Jul	11.2	6	
Yield: Vday	4	Sep	12.2	8	
Map No. 0831C4	5	Oct	13.2	10	
Elevation: 1669 m	6	Nov	12.9	12	
Grid Ref.: N=9014Km750r	1 7	95Feb	10.4	14	10 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
E=320Km0m	8	Mar	7.2]	94 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater	Level	Fluctuat	ion(m) 6.0		mind and seek out that the and the titul the

Appendix 8(9) Result of Observation

Province: Nortern	Aqu	ifer:	Shate	Groundwater Level (m) Well No N-13A
District: Mbala				Well No N-13A
Site Name:		Month	G.W.L(GL-m)	
Nondo Market	1	94May	12.5	
Diameter: 1400 mm	2	Jun	12.4	5
Depth: ni	3	Jul	12.8	
Yield: 1/day	4	Sep	13.1	10
Map No. 0931C1	5	Oct	13.4	
Elevation: 1500 m	6	Nov	14,0	
Grid Ref.: N=8942Km850m	7	95Feb	14.4	15 94 95
E=302Km850m	8	Mar	12.7	May Jun Jul Aug Sep Oct Nov Des Jan Feb Mar Apr
Maximum Groundwater Le		7		May July July Ang Step Oct Nove Said Tea Man 144
Province: Nortern	Aqu	ifer:	Shale	Groundwater Level (m) Well No.N-13B
District: Mbala				0 Well No.N-13B
Site Name:	No.	Month	O.W.L(GL-m)	
Nondao R.H.C.	1	94May	12.5	
Diameter: 1400 mm	2	Jun	12.3	3, 4, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
Depth: m	3	Jul	12.6	二基 医多维氏 医电影 医电影性风景 医二基
Yield: 1/day	1	Sep.	13.0	
Map No. 0931C1	5	Oct	13.4	10
Elevation: 1500 m	6	Nov	13.9	
Grid Ref.: N=8942Km700m	7	95Feb	14.4	is leave the second
E=301Km750m	8	Mar	12.7	94 95
Maximum Groundwater L	1			May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Province: Nortern	Agu	iifer:	Shale	Groundwater Level (m) Well No.N-14A
District: Mbala				Well No.N-14A
Site Name: Chief Place	}	Month	O.W.L(GL-m)	
L	1	94May		
Diameter: 1400 mm	2	Jun		2
Depth: m	3	Jul	4.5	
Yield: Vday	4	Sep	4.7	
Map No. 0931D2	5	Oct	4.8	
Elevation: 1260 m	6	Nov	4.9	
Grid Ref.: N=8931Km0m	7	'95Feb	4.0	· s
E=376Km600m	8	Mar	3.2	94 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Ap
Maximum Groundwater L	evel			May but Jul Aug Septect Nov Oce 13th ten Stat 14
Province: Nortern		uifer:	Granite	
District: Mbala	- ^q	Julea.	Granico	Groundwater Level (m)
	-	T	Tourier	O Well No.N-14B
	No	+	O.W.L(GL-m)	
Site Name:		94May	1	
Michael Kafisha Vil.	<u> </u>			
Michael Kafisha Vil. Diameter: 1400 mm	2	Jun		
Michael Kafisha Vil. Diameter: 1400 mm Depth: m	3	Jun Jul	8.5	
Michael Kafisha Vil. Diameter: 1400 mm	- }	Jun	8.5 8.7	6
Michael Kafisha Vil. Diameter: 1400 mm Depth: m	3	Jun Jul Sep	8.7	6
Michael Kafisha Vil. Diameter: 1400 mm Depth: m Yield: Vday	<u>3</u>	Jun Jul Sep	8.7 8.8	
Michael Kafisha Vil. Diameter: 1400 mm Depth: m Yield: Vday Map No. 0931D2 Elevation: 1300 m	3 4 5 6	Jun Jul Sep Oct Nov	8.7 8.8 9.0	8
Michael Kafisha Vil. Diameter: 1400 mm Depth: m Yield: Vday Map No. 0931D2	3 4 5 6	Jun Jul Sep Oct Nov 95Feb	8.7 8.8 9.0 5.3	6

Appendix 8(10) Result of Observation

	1.0	·	_ :		
Province: Nortern	Aqui	ifer:	Gneiss		Grandwater Land (m)
District: Kasama	ļ,	r -	····	0	Groundwater Level (m) Well No.N-15.A
Site Name: Fundala Vil.		Month	G.W.L(GL-m)		
	1	94May		2	
Diameter: 1400 mm	2	Jun	3.0		
Depth: 8.15 m	3	Jul	5.3	1	
Yield: I/day	4	Sep	5.7		
Map No. 0931D3	5	Oct	5.9	6	
Elevation: 1260 m	6	Nov	6.2		主电基性的主要 医细胞性 野鳥
Grid Ref.: N=8915Km250m	7	95Feb	5.8	ا 8 ا	94 95
E=351Km300m	8	Mar	4.1		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater L	evel F	luctuati	on(m) 3.2		
Province: Nortern	Aqu	ifer:	Granite		
District: Kasama	1				Groundwater Level (m) Well No N-15B.
Site Name:	No.	Month	O.W.L(GL-m)	ا ٥ ا	i i i i i i i i i i i i i i i i i i i
Chanda Mukulu Vil.	T	94May		[1 	
Diameter: 1400 mm	2	Jun	2.1	2	
Depth: 6.94 m	3	Jul	4.0	1	
Yield: I/day	4	Sep	4.6	3	
Map No.	5	Oct	4.7	4	
Elevation: 1240 m	6	Nov	5.8	5	
Grid Ref.: N=898Km200m	7	95Feb	2.2	ئا ہ	
E=356Km750m	8	Mar	1.3		94 95
Maximum Groundwater L				}	May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
Province: Nortern	Aqu		Shale	 -	
District: Kasama	lvda	ner.	Shale		Groundwater Level (m) Well No.N-16A
Site Name;	No.	Month	G.W.L(GL-m)	0 -	Well No.N-16A
Mukonge P.Sch.	1 10.	94May	15.8	{	
Diameter: 1400 mm	1 2	Jun	16.4	. 5 -	
Depth: m	3	Jul	15.7	{	
Yield: I/day	4	4	16.6	10	
	5	Sep Oct		.	法共同辩证证据 医多色素体
Map No. 1031A1			17.0	15	
Elevation: 1340 m	6	Nov	17.9		
Grid Ref.: N=8878Km600m	7	95Feb	15.1	20 ي	94 95
E=308Km200m	8	Mar	13.5		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater L				 -	
Province: Nortern	Aqu	ifer:	Shale		Grandwater Land (a)
District: Kasama	 	1	1	. 0 -	Groundwater Level (m) Well No.N-16B
Site Name: Malitino Vil.	No.	Month	G.W.L(GL-m)	" [
	1	94May	12.4	5	
	2	Jun	12.6		
Diameter: 1400 mm			14,9	10	
Depth: nt	3	Jul			
Depth: nt Yield: I/day	3	Sep	15.6		
Depth: nt	3			15	
Depth: m Yield: I/day Map No. 1031A1 Elevation: 1360 m	3	Sep	15.6		
Depth: m Yield: I/day Map No. 1031A1	3 4 5	Sep Oct	15.6 15.7		
Depth: m Yield: I/day Map No. 1031A1 Elevation: 1360 m	3 4 5 6	Sep Oct Nov	15.6 15.7 16.1	15	94 95 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr

Appendix 8(11) Result of Observation

Province:	Nortern	Aqui	ifer:	Granite		Groundy star Laval (m)
District:	Kasama		-	· · · · · · · · · · · · · · · · · · ·	n	Groundwater Level (m) Well No.N-17A
Site Name:		No.	Month	G.W.L(GL m)	0	
Muke	onge P.Sch.	1	94May	8.0	2	
Diameter:	1200 mm	2	Jun	8.2	4	
Depth:	m	3	Jul	9.0	6	
Yield:	l/day	4	Sep	10.3	8	
Map No.	1030B3	5	Oct	11,1	10	
Elevation:	1380 m	6	Nov	11.2	12	
Grid Ref.:	N=8859Km900m	7	95Feb	10.5	12	94 95
1000年	E=246Km500m	8	Mar	5.4	İ	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum (Groundwater L	evel l	luctuati	on(m) 5.8		
Province:	Nortern	Aqu	ifer:	Shale		
District:	Kasama				0	Groundwater Level (m) Well No.N-17B
Site Name:		No.	Month	O.W.L(GL m)	2	
Muk	onge R.Camp	1	94May		_	
Diameter:	1400 mm	2	Jun	9.0	4	
Depth:	13.24 m	3	Jul	11.1	6	
Yield:	l/day	4	Sep	11,7	8	
Map No.	1030B3	5	Oct	11.9	10	
Elevation:	1420 m	6	Nov	12.3	12	
Grid Ref.:	N=8860Kni650m	7	95Feb	- 12.8	14	95
	E=250Km300m	8	Mar	11.2	. :	94 99 May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Maximum	Groundwater L	evel	Fluctuat	ion(m) 3.8		
Province:	Nortern	Αqu	ifer:	Shale		
District:	Mporokoso	1			1	Groundwater Level (m) Well No N-18A
Site Name:	1 1 1 1	No.	Month	G.W.L(GL-m)	0	
Muk	olwe R.H.C	1	94May		14	요즘하는 옷이 얼마를 내는 물을 하는 것이다.
Diameter:	1400 mm	2	Jun		2	
Depth:	7.84 m	3	Jul	3.3] 3	
Yield:	1/day	14	Sep	3.7	1 ' [
Map No.	0930B3	5	Oct	4.2	4	
Elevation:	1430 m	6	Nov	5.1	5	
	N=8950Km600m	7	95Feb	3.5	ا ۾ ا	
	E=233Km750m	8	Mar	2.6	1	94 95 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Api
No. of the last transfer of transfer of the last transfer of the last transfer of transfer of the last transfer of	Groundwater L	امده		ion(m) 2.5	1	Trad and that the oah oar and par and tan trad ad-

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Appendix 8(12) Result of Observation

Province: Nortern District: Mporokoso	Aqu	ifer:	Shale		Groundwater Level (m)
			r 	0	Well No N-19A
Site Name: Mutamba Vil.	No.	Month 94May	G.W.L(GL-m)		
Diameter: 1400 mm	2			2	
		Jun	6.7		
Depth: m	3	Jul	7	1	
Yield: Uday	4	Sep	7.3	6	
Map No. 0930A3	5	Oct	7.6	U	
Elevation: 1425 m	6	Nov	7.85	8	
Grid Ref.: N=8958Km900m	7	95Feb	7.9		94 95
E=176Km300m	8	Mar	6.7		May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Maximum Groundwater L					
Province: Nortern	Aqu	ifer:	Shale		Committee I and Car
District: Mporokoso	<u> </u>			0	Groundwater Level (m) Well No.N-19B
Site Name:	No.	Month	G.W.L(GL-m)		
Kashinda P.Sch.	1.	94May		2	
Diameter: 1400 mm	2	Jun	5.1	4	
Depth: m	3	Jul	5.4		
Yield: Vday	4	Sep	6.1	6	
Map No. 0930A3	5,	Oct	6.95	8	
Elevation: 1430 m	6	Nov	9.35	. 8	
Grid Ref.: N=8965Km150m	7	95Feb	6.65	10	
E=181Km500m	8	Mar	2.54	f	94 95 May Jun Jul Aug Sep Oct Nov Dee Jan FebMar Apr
Maximum Groundwater L	evel I	luctuat	ion(m) 6.81	:	
Province: Nortern	Aqu	ifer:	Meta		
District: Kaputa				_	Groundwater Level (m) Well No.N-20A
Site Name:	No.	Month	G.W.L(GLm)	0	
Sumbu Market	1	94May		. 1	
Diameter: 1400 mm	2	Jun			
Depth: 4.5 m	3	Jul	3.98	2	
Yield: Vday	4	Sep	4.15	_	
Map No. 0830C2	5	Oct	4.35	3	
Elevation: m	6	Nov	3.63	4	Dry
Grid Ref.: N=9057Km400m	7	95Feb	2.45	. "	
E=222Km500m	8	Mar	Dry		94 May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
Maximum Groundwater L	evel I	luctuat	ion(m) 1.9		and the the ochoct for the fair tential de
Province: Nortern	Aqu	ifer:	Meta		
District: Kaputa		_		_	Groundwater Level (m) Well No.N-20B
Site Name: Camp Vil.	No.	Month	G.W.L(GL-m)	O (
	1	94May	3.47	1	
Diameter: 1400 mm	2	Jun	3.47		
Depth: 3.97 m	3	Jul	3.47	2	
Yield: I/day	4	Sep	2.86	3	
Map No. 0930A1	5	Oct	4.24		• • • • \
Elevation: 1180 m	6	Nov	2.37	4	
Grid Ref.: N=8997Km650m	7	95Feb	2.39	5 l	
E=182Km300m	8	Mar	1.04		94 95
Maximum Groundwater L	J				May Jun Jul Aug Sep Oct Nov Dee Jan Feb Mar Apr
				ا	

Appendix 8(13) Result of Observation

Province: Nortern	Aqu	iifer:	Gneiss	0. 1
District: Isoka				Groundwater Level (m) Well No.N-21A
Site Name: Trender	e S.C. No.	Month	G.W.L(GL-m)	U T T T T T T T T T T T T T T T T T T T
	1	94May	3	
Diameter:	nım 2	Jun		
Depth: 1	ni 3	Jul	9.8	
Yield:	/day 4	Sep	13,1	10
Map No. 1033A4	5	Oct	12.4	Dry (
Elevation: 1490	m 6	Nov	13.5	15
Grid Ref.: N=8865K	ու800ու 7	95Feb	Dry	94 95
E=540Km	500m 8	Mar	Dry	May Jun Jul Aug Sep Oct Nov Dec Jan. Feb Mar Ap
Maximum Groundy	ater Level	Fluctuat	ion(n1) 3.7	
Province: Nortern	Αqι	uifer:	Gneiss	Out that a bout out
District: Isoka				Groundwater Level (m) Well No.N-21B
Site Name:	No.	Month	G.W.L(GL-ni)	2
Trendere R.I	I.C 1	94May		
Diameter: 1000	mm 2	Jun		
Depth: 13.5	m 3	Jul	11.7	
Yield:	I/day 4	Sep	12.2	8
Map No. 1033A4	5	Oct	13,3	
Elevation: 1520	m 6	Nov	12.2	12
Grid Ref : N=8866K	տ100տ 7	95Feb	Dry	14 94 95
E=541Km	1250m 8	Mar	Dry	May Jun Jul Aug Sep Oct Nov Dec Jan FebMar Apr
Maximum Groundy	vater Level	Fluctuat	tion(m) 1.6	

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Appendix 9

Observation Result in Eastern Province

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Appendix 9 (1) List of Observation Points

< Eastern Province >

Province				
Well	Geology	Elevation	District	Site Name
No.		(m)		
Α	Alluvium	760	Chama	Rhama Hos.
В	Alluvium	755		Bazimo
A	Gneiss	1131	Lundazi	Mwata Sch.
В	Gneiss	1120		Mwata Rhc.
Α	Gneiss	1130	Lundazi	Council
В	Gneiss	1130		Mulla Sch.
A	Gneiss	1102	Lundazi	Chikomene W/L
В	Gneiss	1100		Chikomene Vil.
Α .	Granite		Chipata	Chimwala
В	Granite	1002		Chipangali
Α	Alluvium	540	Kakumbi	Yosefu Sch.
B :	Alluvium	540		Kakumbi
Α	Sandstone	600	Jumbe	Jumbe Vil.
В	Sandstone	600		Manondo.
A	Granite	1100	Chipata	Maguya
В	Gneiss	1140		Nabvutika
A	Granite	1044	Chadiza	Kumadzi Vil.
В	Granite	1052		Chadiza Sec.
Α	Granite	1049	Chadiza	Chzombe
В	Granite	1055		Basic Sch.
Α	Gneiss	1061	Katette	Basic Sch.
В	Gneiss	1052		Katete Boma
Α	Gneiss	1100	Sinda	Post Off.
В	Granite	1040		Chassa
A	Gneiss	970	Petauke	Khande
В	Gneiss	1018		Ifosi
A	Gneiss	708	Myimba	Basic Sc.
В	Gneiss	718		Nyimba Boma
A	Granite	880	Kacholola	Mombe Sch.
В	Granite	890		Mwana
	Well No. A B A B A B A B A B A B A B A B A B A	Well Geology No. A Alluvium B Alluvium A Gneiss B Gneiss A Gneiss B Gneiss A Gneiss B Gneiss A Granite B Granite A Alluvium A Sandstone B Sandstone B Granite	Well No. Geology (m) Elevation (m) A Alluvium 760 755 B Alluvium 755 755 A Gneiss 1131 1120 A Gneiss 1120 1130 B Gneiss 1130 1100 A Gneiss 1100 1100 A Granite 1002 1100 A Granite 1002 1100 A Alluvium 540 540 B Alluvium 540 540 A Sandstone 600 600 B Sandstone 600 600 B Granite 1100 1100 B Granite 1044 1044 B Granite 1052 1052 A Granite 1055 1061 B Granite 1052 1061 A Gneiss 1062 1061 A Gneiss 1062 1061 A Gneiss 1063 1061 B Granite 1040 1040 A Gneiss 1018	Well No.Geology (m)Elevation (m)DistrictAAlluvium 760 Alluvium 755760 ChamaAGneiss Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss B Gneiss H100 A A A Alluvium B B Alluvium B A B A Chipata Chipata Chipata Chipata Chipata Chipata Chipata Chipata Chipata Chipata Chipata Chipata Chadiza Ch

