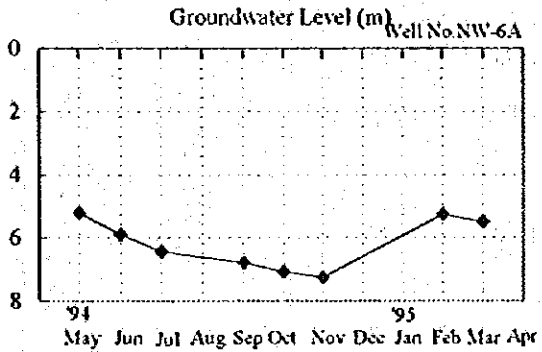
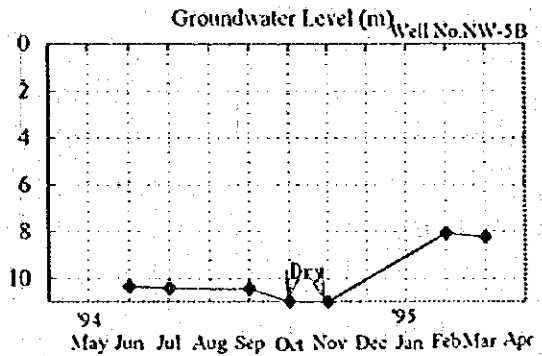
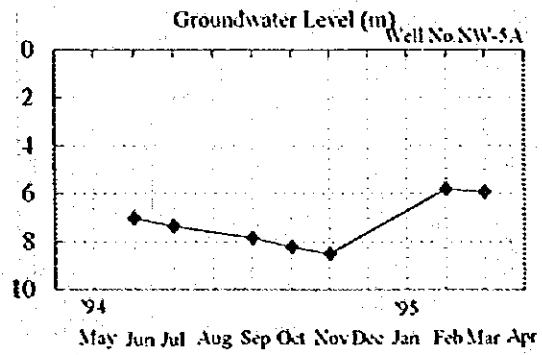


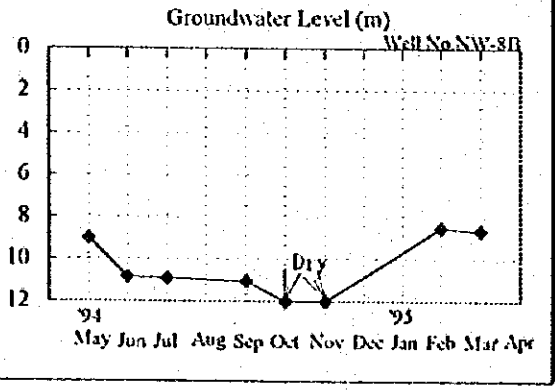
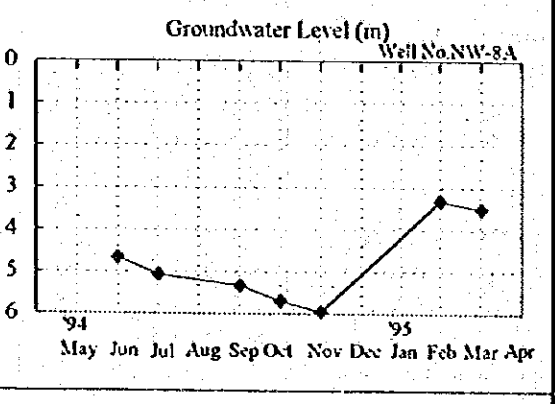
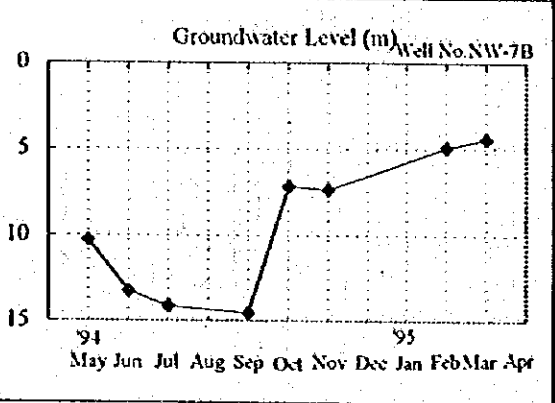
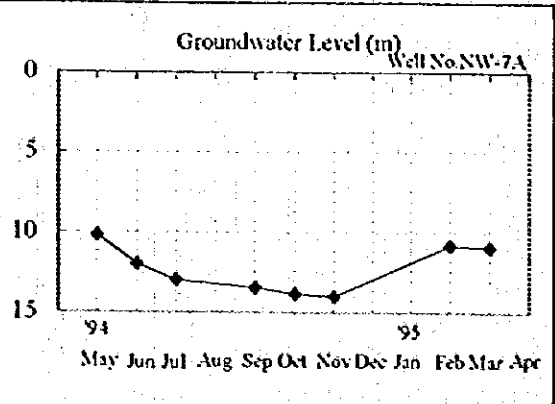
Appendix 4(8) Result of Observation

Province: Northwestern	Aquifer: Quartzite		
District: Solwezi			
Site Name: Katanga	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: 1300 mm	2	Jun	7.0
Depth: m	3	Jul	7.4
Yield: l/day	4	Sep	7.9
Map No. 1225A3	5	Oct	8.2
Elevation: 1140 m	6	Nov	8.5
Grid Ref.: N=8628Km850m	7	95Feb	5.8
	8	Mar	5.9
Maximum Groundwater Level Fluctuation(m) 2.7			
Province: Northwestern	Aquifer: Sand		
District: Solwezi			
Site Name: Chovwe	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: 1300 mm	2	Jun	10.4
Depth: m	3	Jul	10.4
Yield: l/day	4	Sep	10.5
Map No. 1224B4	5	Oct	Dry
Elevation: 1143 m	6	Nov	Dry
Grid Ref.: N=8631Km950m	7	95Feb	8.1
	8	Mar	8.2
Maximum Groundwater Level Fluctuation(m) 2.4			
Province: Northwestern	Aquifer: Sand		
District: Mwinilunga			
Site Name: Sailunga	No.	Month	G.W.L.(GL-m)
	1	94May	5.2
Diameter: 1300 mm	2	Jun	5.9
Depth: m	3	Jul	6.4
Yield: l/day	4	Sep	6.8
Map No. 1124D1	5	Oct	7.1
Elevation: 1470 m	6	Nov	7.2
Grid Ref.: N=8700Km900m	7	95Feb	5.3
	8	Mar	5.5
Maximum Groundwater Level Fluctuation(m) 2.0			



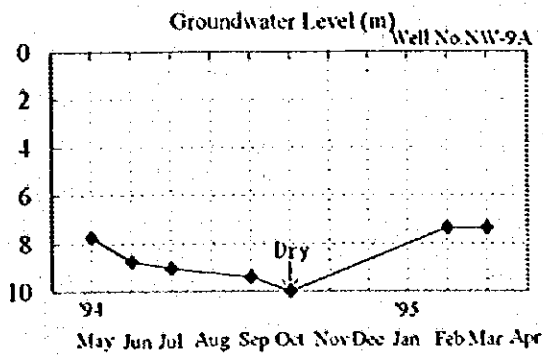
Appendix 4(9) Result of Observation

Province: Northwestern	Aquifer: Shale		
District: Mwinilunwa			
Site Name: Njimba	No.	Month	G.W.L.(GL-m)
	1	94May	10.2
Diameter: 1300 mm	2	Jun	12.0
Depth: m	3	Jul	13.0
Yield: l/day	4	Sep	13.4
Map No. SC-35-13	5	Oct	13.9
Elevation: 1300 m	6	Nov	14.0
Grid Ref.: N=869Km380m	7	95Feb	10.8
E=22Km50m	8	Mar	10.9
Maximum Groundwater Level Fluctuation(m) 3.8			
Province: Northwestern	Aquifer: Shale		
District: Mwinilunwa			
Site Name: Mwinilunwa	No.	Month	G.W.L.(GL-m)
	1	94May	10.3
Diameter: 1300 mm	2	Jun	13.3
Depth: m	3	Jul	14.2
Yield: l/day	4	Sep	14.5
Map No. SC-35-13	5	Oct	7.2
Elevation: 1365 m	6	Nov	7.3
Grid Ref.: N=869Km750m	7	95Feb	4.9
E=22Km50m	8	Mar	4.4
Maximum Groundwater Level Fluctuation(m) 10.1			
Province: Northwestern	Aquifer: Shale		
District: Mwinilunga			
Site Name: Mazembe	No.	Month	G.W.L.(GL-m)
	1	94May	0.0
Diameter: 1300 mm	2	Jun	4.7
Depth: m	3	Jul	5.1
Yield: l/day	4	Sep	5.3
Map No. 1224A4	5	Oct	5.7
Elevation: 1387 m	6	Nov	6.0
Grid Ref.: N=8637Km500m	7	95Feb	3.3
E=201Km100m	8	Mar	3.5
Maximum Groundwater Level Fluctuation(m) 6.0			
Province: Northwestern	Aquifer: Sand		
District: Mwinilunga			
Site Name: Kanzenze	No.	Month	G.W.L.(GL-m)
	1	94May	9.0
Diameter: 1300 mm	2	Jun	10.8
Depth: m	3	Jul	10.9
Yield: l/day	4	Sep	11.1
Map No.	5	Oct	Dry
Elevation: 1372 m	6	Nov	Dry
Grid Ref.: N=8616Km800m	7	95Feb	8.5
E=195Km750m	8	Mar	8.7
Maximum Groundwater Level Fluctuation(m) 2.6			

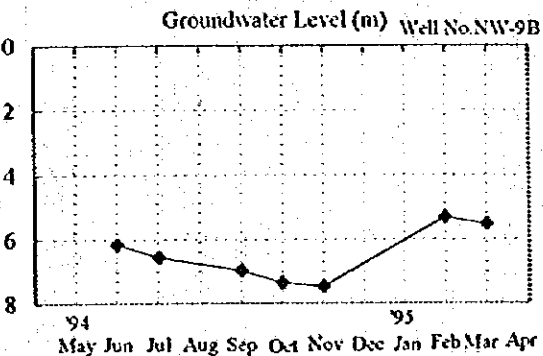


Appendix 4(10) Result of Observation

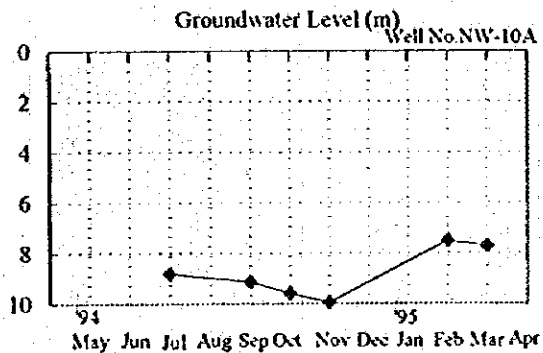
Province: Northwestern	Aquifer: Quartzite	
District: Kabompo		
Site Name: Luasongwa	No.	Month
	1	94May
Diameter: 1300 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. 1324A1	5	Oct
Elevation: 1120 m	6	Nov
Grid Ref.: N=8557Km600m E=199Km00m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.0		



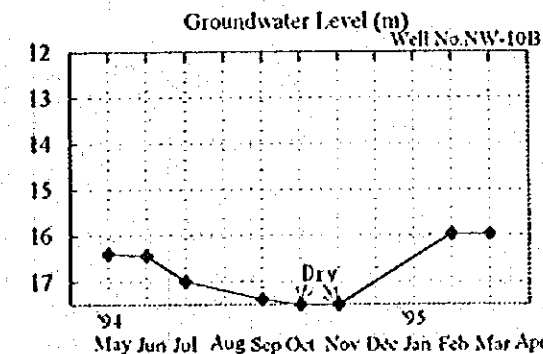
Province: Northwestern	Aquifer: Quartzite	
District: Kabompo		
Site Name: Kanzenze	No.	Month
	1	94May
Diameter: 1300 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. 1324A1	5	Oct
Elevation: 1115 m	6	Nov
Grid Ref.: N=8559Km50m E=199Km200m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.2		



Province: Northwestern	Aquifer: Shale	
District: Kabompo		
Site Name: Chingandu	No.	Month
	1	94May
Diameter: mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No.	5	Oct
Elevation: m	6	Nov
Grid Ref.:	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.4		

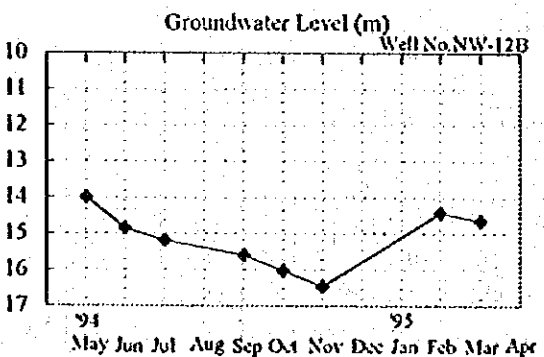
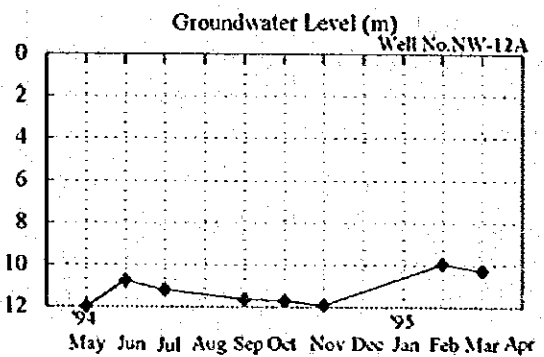
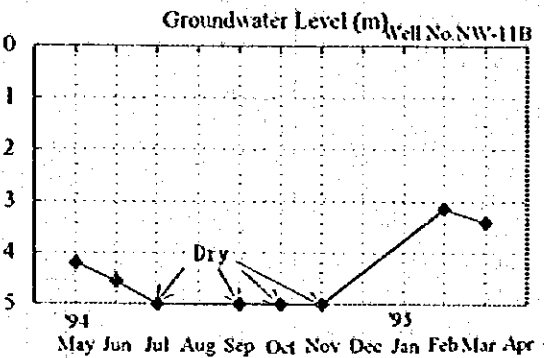
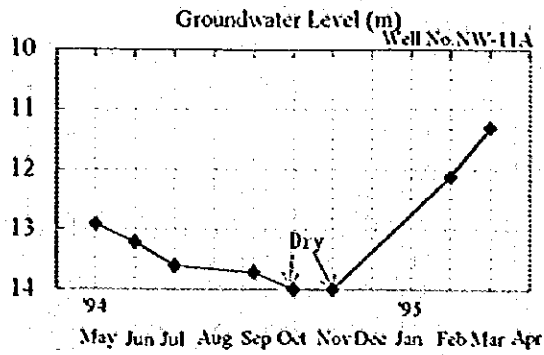


Province: Northwestern	Aquifer: Shale	
District: Kabompo		
Site Name: Sandando	No.	Month
	1	94May
Diameter: 1300 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. 1324A4	5	Oct
Elevation: 1090 m	6	Nov
Grid Ref.: N=8516Km550m E=211Km750m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 1.4		



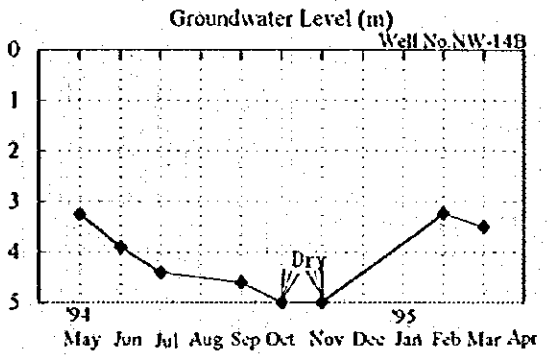
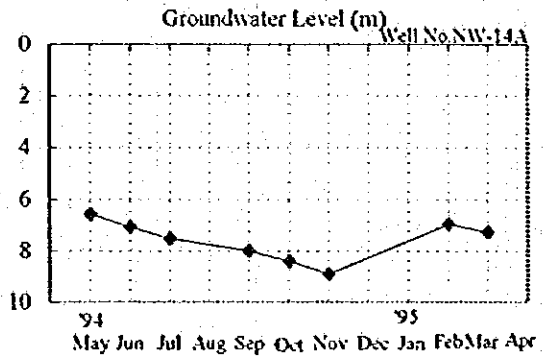
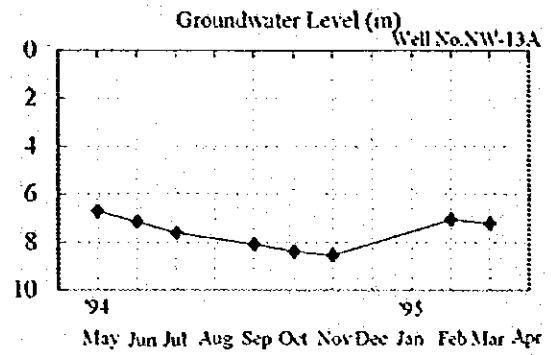
Appendix 4(11) Result of Observation

Province: Northwestern	Aquifer: Sand		
District: Kbonpo			
Site Name: Samunuga	No.	Month	G.W.L.(GL-m)
	1	94May	12.9
Diameter: 1300 mm	2	Jun	13.2
Depth: m	3	Jul	13.6
Yield: l/day	4	Sep	13.7
Map No. 1324C1	5	Oct	Dry
Elevation: 1075 m	6	Nov	Dry
Grid Ref.: N=8489Km750m	7	95Feb	12.1
E=186Km0m	8	Mar	11.3
Maximum Groundwater Level Fluctuation(m) 2.4			
Province: Northwestern	Aquifer: Sand		
District: Kabonpo			
Site Name: Makondo	No.	Month	G.W.L.(GL-m)
	1	94May	4.2
Diameter: 1300 mm	2	Jun	4.6
Depth: m	3	Jul	Dry
Yield: l/day	4	Sep	Dry
Map No. SD-34-8	5	Oct	Dry
Elevation: m	6	Nov	Dry
Grid Ref.: N=848Km150m	7	95Feb	3.2
E=82Km100m	8	Mar	3.4
Maximum Groundwater Level Fluctuation(m) 1.4			
Province: Northwestern	Aquifer: Sand		
District: Kabonpo			
Site Name: Mucezi R.H.C	No.	Month	G.W.L.(GL-m)
	1	94May	12.0
Diameter: 1300 mm	2	Jun	10.8
Depth: m	3	Jul	11.2
Yield: l/day	4	Sep	11.6
Map No. SD-34-8	5	Oct	11.7
Elevation: m	6	Nov	11.9
Grid Ref.: N=846Km600m	7	95Feb	10.0
E=78Km800m	8	Mar	10.3
Maximum Groundwater Level Fluctuation(m) 2.0			
Province: Northwestern	Aquifer: Sand		
District: Zambezi			
Site Name: Chizouzu	No.	Month	G.W.L.(GL-m)
	1	94May	14.0
Diameter: 1300 mm	2	Jun	14.8
Depth: m	3	Jul	15.2
Yield: l/day	4	Sep	15.6
Map No. SD-34-8	5	Oct	16.0
Elevation: m	6	Nov	16.5
Grid Ref.: N=846Km750m	7	95Feb	14.4
E=78Km600m	8	Mar	14.6
Maximum Groundwater Level Fluctuation(m) 2.5			



Appendix 4(12) Result of Observation

Province: Northwestern		Aquifer: Sand	
District: Zambezi			
Site Name: Chitungu		No.	Month
		G.W.L.(GL-m)	
Diameter: 1300 mm		1	94May
Depth: m		2	Jun
Yield: l/day		3	Jul
Map No. SD-34-8		4	Sep
Elevation: m		5	Oct
Grid Ref.: N=849Km750m		6	Nov
		7	95Feb
		8	Mar
Maximum Groundwater Level Fluctuation(m) 1.84			
Province: Northwestern		Aquifer: Sand	
District: Zambezi			
Site Name: Kalambo		No.	Month
		G.W.L.(GL-m)	
Diameter: 1300 mm		1	94May
Depth: m		2	Jun
Yield: l/day		3	Jul
Map No. 1323C1		4	Sep
Elevation: 1078 m		5	Oct
Grid Ref.: N=8501Km0m		6	Nov
		7	95Feb
		8	Mar
Maximum Groundwater Level Fluctuation(m) 2.33			
Province: Northwestern		Aquifer: Sand	
District: Zambezi			
Site Name: Lvatembo		No.	Month
		G.W.L.(GL-m)	
Diameter: 1300 mm		1	94May
Depth: m		2	Jun
Yield: l/day		3	Jul
Map No. 1323C1		4	Sep
Elevation: 1070 m		5	Oct
Grid Ref.: N=8499Km300m		6	Nov
		7	95Feb
		8	Mar
Maximum Groundwater Level Fluctuation(m) 1.36			

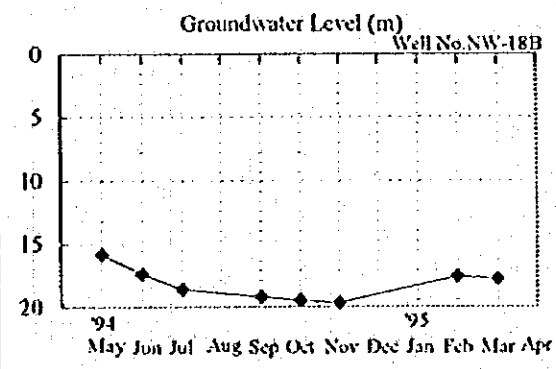
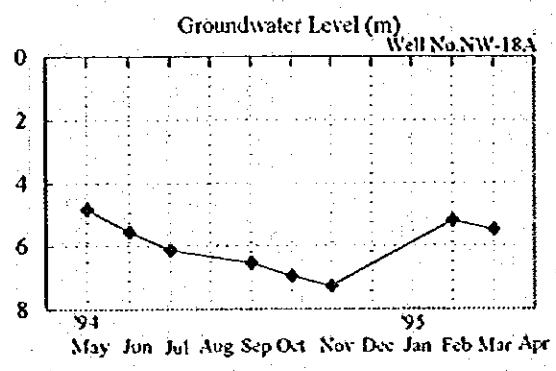
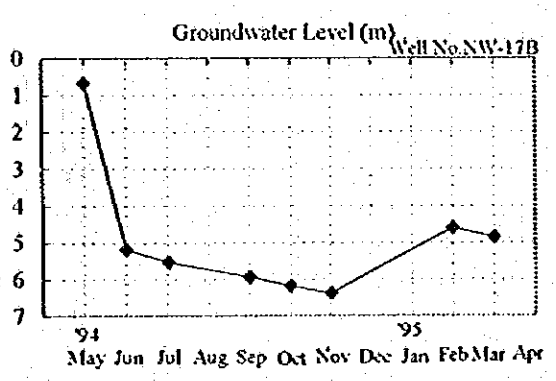
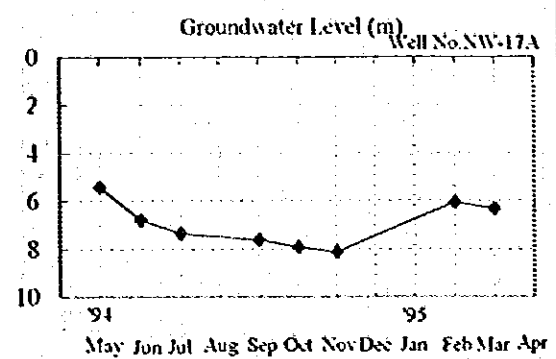


Appendix 4(13) Result of Observation

Province: Northwestern	Aquifer: Sand		<p>Groundwater Level (m) Well No. NW-15A</p>	
District: Zambezi	No.	Month		G.W.L.(GL-m)
Site Name: Kakeki	1	94May		8.9
Diameter: 1300 mm	2	Jun		9.4
Depth: m	3	Jul		9.7
Yield: l/day	4	Sep		Dry
Map No. SD-34-8	5	Oct		Dry
Elevation: m	6	Nov		Dry
Grid Ref.: N=853Km480m	7	95Feb		8.2
E=77Km540m	8	Mar	8.5	
Maximum Groundwater Level Fluctuation(m)			1.4	
Province: Northwestern	Aquifer: Sand		<p>Groundwater Level (m) Well No. NW-15B</p>	
District: Zambezi	No.	Month		G.W.L.(GL-m)
Site Name: Nyakulena	1	94May		5.0
Diameter: 1300 mm	2	Jun		5.4
Depth: m	3	Jul		6.0
Yield: l/day	4	Sep		6.2
Map No. SD-34-8	5	Oct		6.6
Elevation: m	6	Nov		6.9
Grid Ref.: N=854Km220m	7	95Feb		4.8
E=76Km60m	8	Mar	5.0	
Maximum Groundwater Level Fluctuation(m)			2.1	
Province: Northwestern	Aquifer: Sand		<p>Groundwater Level (m) Well No. NW-16A</p>	
District: Mfumbwe	No.	Month		G.W.L.(GL-m)
Site Name: Likulawu	1	94May		9.5
Diameter: 1300 mm	2	Jun		10.0
Depth: m	3	Jul		10.5
Yield: l/day	4	Sep		10.9
Map No. 1324B1	5	Oct		11.4
Elevation: 1105 m	6	Nov		11.6
Grid Ref.: N=8536Km450m	7	95Feb		9.3
E=234Km450m	8	Mar	9.6	
Maximum Groundwater Level Fluctuation(m)			2.3	
Province: Northwestern	Aquifer: Sand		<p>Groundwater Level (m) Well No. NW-16B</p>	
District: Mfumbwe	No.	Month		G.W.L.(GL-m)
Site Name: Chilemba	1	94May		12.5
Diameter: 1300 mm	2	Jun		12.8
Depth: m	3	Jul		13.1
Yield: l/day	4	Sep		Dry
Map No.	5	Oct		Dry
Elevation: 1120 m	6	Nov		Dry
Grid Ref.: N=8535Km350m	7	95Feb		11.4
E=232Km500m	8	Mar	11.7	
Maximum Groundwater Level Fluctuation(m)			1.7	

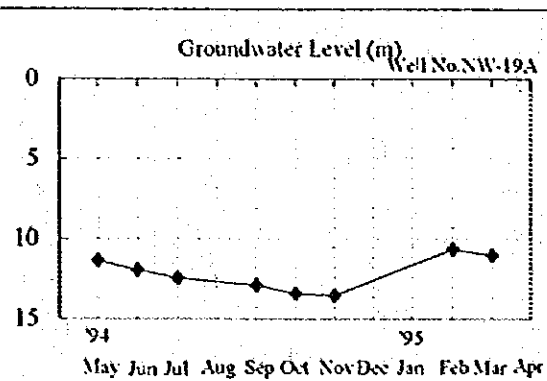
Appendix 4(14) Result of Observation

Province: Northwestern	Aquifer: Sand		
District: Mfumbwe			
Site Name: Fulai	No.	Month	G.W.L.(GL-m)
	1	94May	5.4
Diameter: 1300 mm	2	Jun	6.8
Depth: m	3	Jul	7.4
Yield: l/day	4	Sep	7.6
Map No. 1325A1	5	Oct	7.9
Elevation: 1180 m	6	Nov	8.1
Grid Ref.: N=8546Km550m	7	95Feb	6.1
E=287Km0m	8	Mar	6.3
Maximum Groundwater Level Fluctuation(m) 2.7			
Province: Northwestern	Aquifer: Sand		
District: Mfumbwe			
Site Name: D.W.A.Yard	No.	Month	G.W.L.(GL-m)
	1	94May	0.7
Diameter: 1300 mm	2	Jun	5.2
Depth: m	3	Jul	5.5
Yield: l/day	4	Sep	5.9
Map No. 1325A1	5	Oct	6.2
Elevation: 1178 m	6	Nov	6.4
Grid Ref.: N=8546Km500m	7	95Feb	4.6
E=286Km350m	8	Mar	4.9
Maximum Groundwater Level Fluctuation(m) 5.7			
Province: Northwestern	Aquifer: Shale		
District: Mfumbwe			
Site Name: Nyasonso	No.	Month	G.W.L.(GL-m)
	1	94May	4.8
Diameter: 1300 mm	2	Jun	5.6
Depth: m	3	Jul	6.1
Yield: l/day	4	Sep	6.5
Map No. 1325A2	5	Oct	7.0
Elevation: 1267 m	6	Nov	7.3
Grid Ref.: N=8557Km750m	7	95Feb	5.2
E=328Km400m	8	Mar	5.5
Maximum Groundwater Level Fluctuation(m) 2.4			
Province: Northwestern	Aquifer: Shale		
District: Mfumbwe			
Site Name: Kinkonge	No.	Month	G.W.L.(GL-m)
	1	94May	15.8
Diameter: 1300 mm	2	Jun	17.4
Depth: m	3	Jul	18.6
Yield: l/day	4	Sep	19.2
Map No. 1325A2	5	Oct	19.5
Elevation: 1242 m	6	Nov	19.7
Grid Ref.: N=8556Km350m	7	95Feb	17.6
E=323Km250m	8	Mar	17.8
Maximum Groundwater Level Fluctuation(m) 3.9			



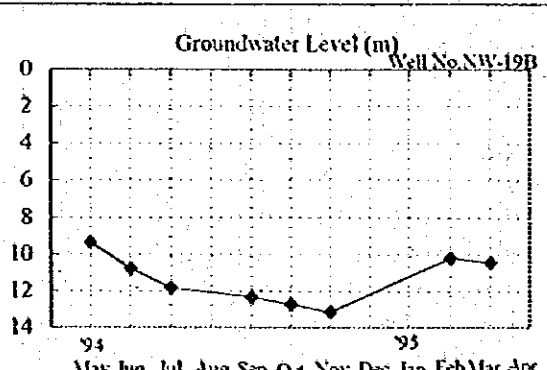
Appendix 4(15) Result of Observation

Province: Northwestern	Aquifer: Shale		
District: Kasempa			
Site Name: Kabele	No.	Month	G.W.L.(GL-m)
	1	94May	11.4
Diameter: 1300 mm	2	Jun	12.0
Depth: m	3	Jul	12.5
Yield: l/day	4	Sep	12.9
Map No. 1325B4	5	Oct	13.4
Elevation: 1273 m	6	Nov	13.5
Grid Ref.: N=8515Km350m	7	95Feb	10.6
	8	Mar	11.0



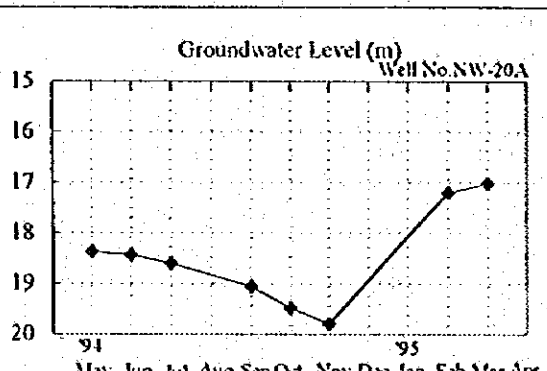
Maximum Groundwater Level Fluctuation(m) 2.9

Province: Northwestern	Aquifer: Shale		
District: Kasempa			
Site Name: Kasongo	No.	Month	G.W.L.(GL-m)
	1	94May	9.4
Diameter: 1300 mm	2	Jun	10.8
Depth: m	3	Jul	11.9
Yield: l/day	4	Sep	12.4
Map No. 1325B4	5	Oct	12.8
Elevation: 1277 m	6	Nov	13.2
Grid Ref.: N=8516Km300m	7	95Feb	10.2
	8	Mar	10.4



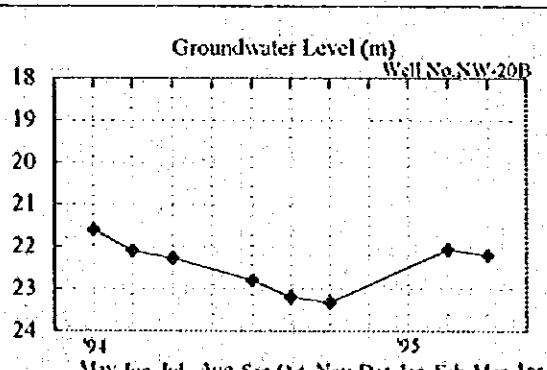
Maximum Groundwater Level Fluctuation(m) 3.8

Province: Northwestern	Aquifer: Alluvium		
District: Mfumbwe			
Site Name: Kasinga	No.	Month	G.W.L.(GL-m)
	1	94May	18.4
Diameter: 1300 mm	2	Jun	18.4
Depth: m	3	Jul	18.6
Yield: l/day	4	Sep	19.1
Map No. 1425B1	5	Oct	19.5
Elevation: 1121 m	6	Nov	19.8
Grid Ref.: N=8443Km400m	7	95Feb	17.2
	8	Mar	17.0



Maximum Groundwater Level Fluctuation(m) 2.8

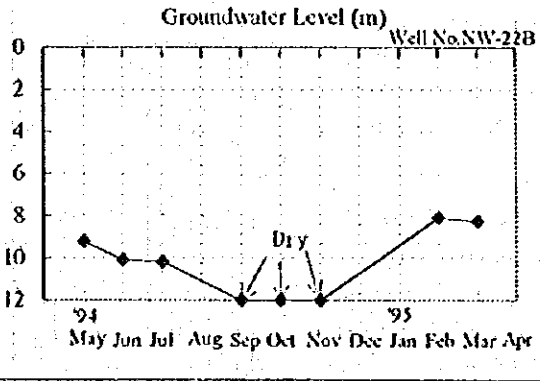
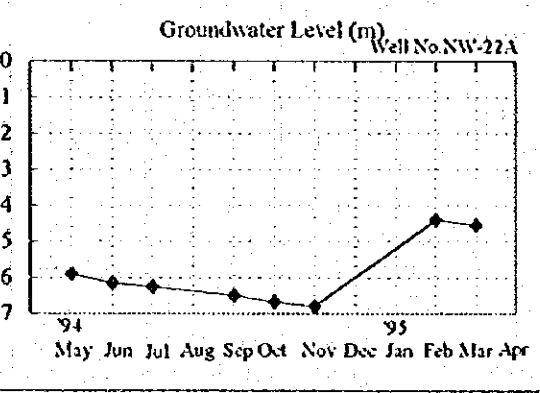
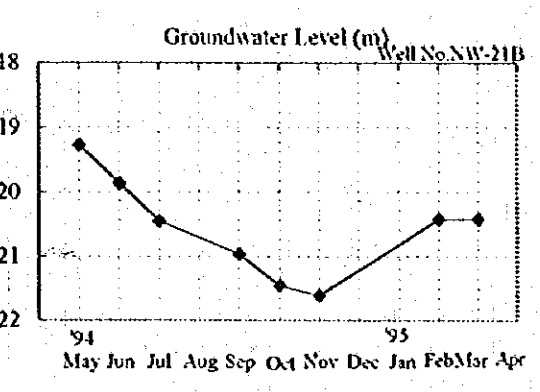
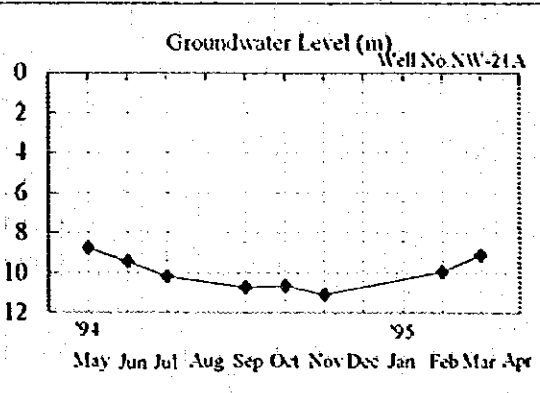
Province: Northwestern	Aquifer: Alluvium		
District: Mfumbwe			
Site Name: Kobana	No.	Month	G.W.L.(GL-m)
	1	94May	21.6
Diameter: 1300 mm	2	Jun	22.1
Depth: m	3	Jul	22.3
Yield: l/day	4	Sep	22.8
Map No. 1425B1	5	Oct	23.2
Elevation: 1135 m	6	Nov	23.3
Grid Ref.: N=8444Km300m	7	95Feb	22.1
	8	Mar	22.2



Maximum Groundwater Level Fluctuation(m) 1.71

Appendix 4(16) Result of Observation

Province: Northwestern	Aquifer: Shale	
District: Mufumbwe		
Site Name: Lala Futa	No.	Month
	1	94May
Diameter: 1300 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. SD-35-6	5	Oct
Elevation: 1200 m	6	Nov
Grid Ref.: N=849Km180m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.3		
Province: Northwestern	Aquifer: Shale	
District: Mufumbwe		
Site Name: Kasuku	No.	Month
	1	94May
Diameter: 1300 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. SD-35-6	5	Oct
Elevation: 1200 m	6	Nov
Grid Ref.: N=849Km280m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.3		
Province: Northwestern	Aquifer: Shale	
District: Kasempa		
Site Name: Nemwa	No.	Month
	1	94May
Diameter: 800 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. 1326C4	5	Oct
Elevation: 1121 m	6	Nov
Grid Ref.: N=8466Km600m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.4		
Province: Northwestern	Aquifer: Shale	
District: Kasempa		
Site Name: Halasa	No.	Month
	1	94May
Diameter: 800 mm	2	Jun
Depth: m	3	Jul
Yield: l/day	4	Sep
Map No. 1326C4	5	Oct
Elevation: 1120 m	6	Nov
Grid Ref.: N=8467km700m	7	95Feb
	8	Mar
Maximum Groundwater Level Fluctuation(m) 2.1		



Appendix 4(17) Result of Observation

Province: Northwestern	Aquifer: Shale			<p>Groundwater Level (m) Well No. NW-21A</p>
District: Kasempa	No.	Month	G.W.L.(GL-m)	
Site Name: Kelongwa	1	94May	10.4	
Diameter: 1300 mm	2	Jun	10.8	
Depth: m	3	Jul	11.2	
Yield: l/day	4	Sep	11.6	
Map No. SD-35-6	5	Oct	12.0	
Elevation: 1200 m	6	Nov	12.3	
Grid Ref.: N=8484Km350m E=428Km600m	7	95Feb	9.2	
	8	Mar	9.1	
Maximum Groundwater Level Fluctuation(m) 3.3				<p>Groundwater Level (m) Well No. NW-21B</p>
Province: Northwestern	Aquifer: Shale			
District: Kasempa	No.	Month	G.W.L.(GL-m)	
Site Name: Kabanike	1	94May	13.0	
Diameter: 1300 mm	2	Jun	13.6	
Depth: m	3	Jul	14.1	
Yield: l/day	4	Sep	14.5	
Map No. SD-35-6	5	Oct	14.9	
Elevation: 1200 m	6	Nov	15.1	
Grid Ref.: N=8486Km0m E=427Km400m	7	95Feb	13.9	
	8	Mar	13.2	
Maximum Groundwater Level Fluctuation(m) 2.1				<p>Groundwater Level (m) Well No. NW-24A</p>
Province: Northwestern	Aquifer: Shale			
District: Kasempa	No.	Month	G.W.L.(GL-m)	
Site Name: Nsansanya	1	94May	11.9	
Diameter: 800 mm	2	Jun	14.0	
Depth: m	3	Jul	15.7	
Yield: l/day	4	Sep	16.1	
Map No. 1326C4	5	Oct	16.5	
Elevation: 1121 m	6	Nov	16.7	
Grid Ref.: N=8556Km350m E=390Km200m	7	95Feb	14.3	
	8	Mar	14.4	
Maximum Groundwater Level Fluctuation(m) 4.8				<p>Groundwater Level (m) Well No. NW-24B</p>
Province: Northwestern	Aquifer: Shale			
District: Kasempa	No.	Month	G.W.L.(GL-m)	
Site Name: Kainbwe	1	94May	7.3	
Diameter: 800 mm	2	Jun	7.6	
Depth: m	3	Jul	7.9	
Yield: l/day	4	Sep	8.5	
Map No. 1326C4	5	Oct	9.1	
Elevation: 1120 m	6	Nov	9.5	
Grid Ref.: N=8555Km300m E=389Km850m	7	95Feb	7.0	
	8	Mar	7.3	
Maximum Groundwater Level Fluctuation(m) 2.5				

Appendix 4(18) Result of Observation

Province: Northwestern	Aquifer: Shale			<p>Groundwater Level (m) Well No. NW-25A</p>
District: Kasempa	No.	Month	G.W.L.(GL-m)	
Site Name: Chinta	1	94May	10.9	
Diameter: 1100 mm	2	Jun	11.3	
Depth: m	3	Jul	11.6	
Yield: l/day	4	Sep	12.0	
Map No. 1326A2	5	Oct	12.3	
Elevation: 1280 m	6	Nov	12.6	
Grid Ref.: N=8556Km400m E=432Km800m	7	95Feb	9.7	
	8	Mar	9.8	
Maximum Groundwater Level Fluctuation(m) 2.9				<p>Groundwater Level (m) Well No. NW-25B</p>
Province: Northwestern	Aquifer: Shale			
District: Kasempa	No.	Month	G.W.L.(GL-m)	
Site Name: Old Inkwe	1	94May	10.2	
Diameter: 1300 mm	2	Jun	10.6	
Depth: m	3	Jul	11.0	
Yield: l/day	4	Sep	11.4	
Map No. 1326A2	5	Oct	11.7	
Elevation: 1260 m	6	Nov	11.9	
Grid Ref.: N=8557Km300m E=434Km300m	7	95Feb	9.3	
	8	Mar	9.5	
Maximum Groundwater Level Fluctuation(m) 2.6				<p>Groundwater Level (m) Well No. NW-26A</p>
Province: Northwestern	Aquifer: Shale			
District: Solwezi	No.	Month	G.W.L.(GL-m)	
Site Name: Chisantswi	1	94May	8.1	
Diameter: 1300 mm	2	Jun	9.6	
Depth: m	3	Jul	10.8	
Yield: l/day	4	Sep	11.1	
Map No. 1226C1	5	Oct	11.5	
Elevation: 1350 m	6	Nov	11.8	
Grid Ref.: N=8617Km100m E=410Km350m	7	95Feb	8.8	
	8	Mar	9.0	
Maximum Groundwater Level Fluctuation(m) 3.6				<p>Groundwater Level (m) Well No. NW-26B</p>
Province: Northwestern	Aquifer: Shale			
District: Solwezi	No.	Month	G.W.L.(GL-m)	
Site Name: Dapp Mumena	1	94May	4.1	
Diameter: 1300 mm	2	Jun	4.5	
Depth: m	3	Jul	4.8	
Yield: l/day	4	Sep	5.3	
Map No. 1226C1	5	Oct	5.7	
Elevation: 1295 m	6	Nov	6.0	
Grid Ref.: N=8609Km50m E=410Km650m	7	95Feb	3.2	
	8	Mar	3.3	
Maximum Groundwater Level Fluctuation(m) 2.9				

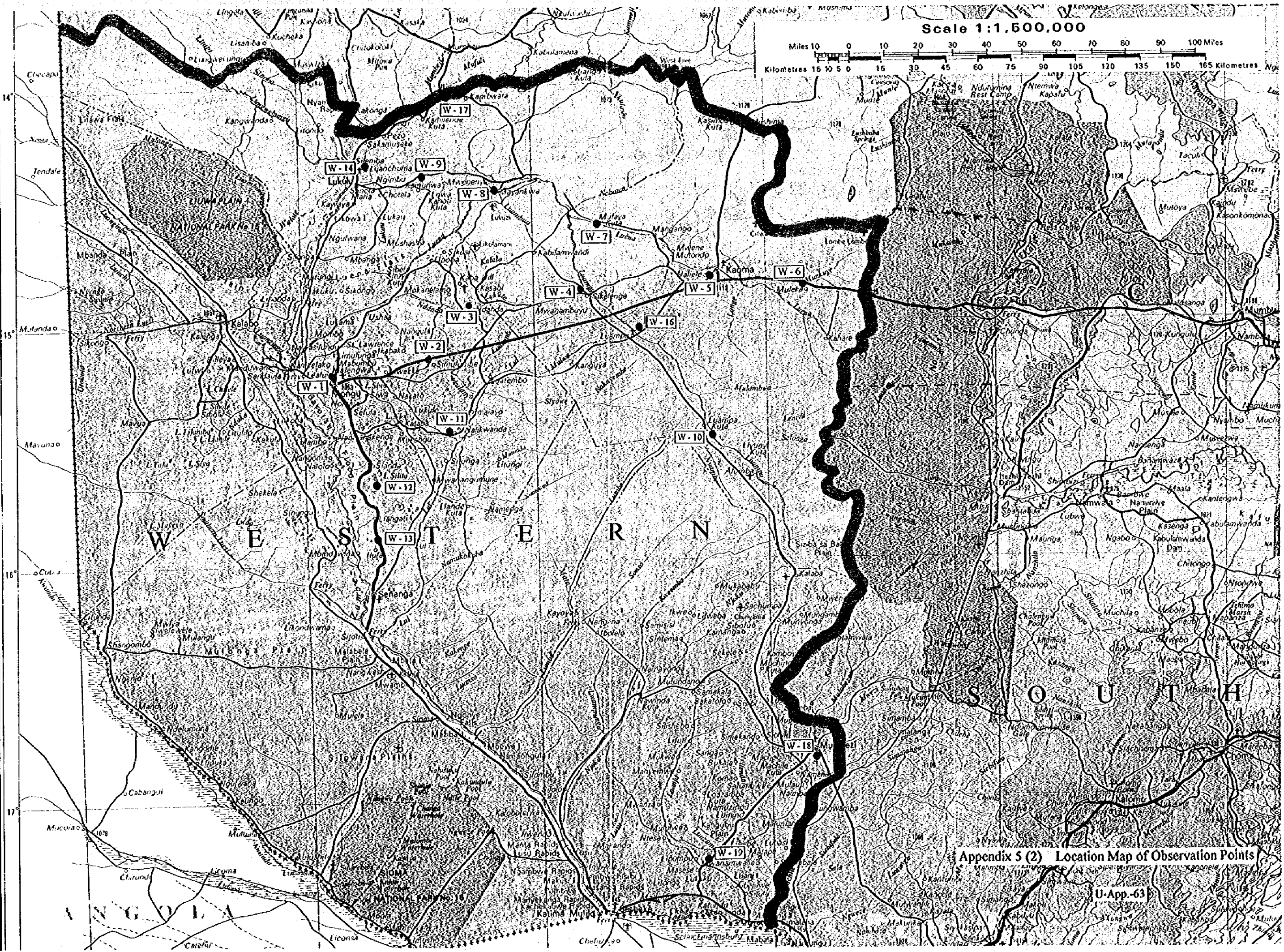
Appendix 5

Observation Result in Western Province

Appendix 5 (I) List of Observation Points

< Western Province >

Point No.	Well No.	Geology	Elevation (m)	District	Site Name
W - 1	A	Sand		Mongu	Nalukota
	B	Sand			Kapona
W - 2	A	Sand		Mongu	Simulumbu
W - 3	A	Sand		Mongu	Ndanda Sch.
	B				Ndanda Rch.
W - 4	A	Sand		Kakoma	Ngenga
W - 5	A	Sand		Kakoma	Steves Vil.
	B	Sand			Lihusha
W - 6	A	Sand		Kakoma	Sipopa
	B	Sand			Chipambala
W - 7	A	Sand		Kakoma	Mufaya
W - 8	A	Sand		Lukulu	Mayankwa
	B	Sand			Mayankwa
W - 9	A	Sand		Lukulu	Lishuwa Sch.
	B	Sand			Lishuwa Rch.
W - 10	A	Sand		Kakoma	Nyambi
	B	Sand			Lemvu
W - 11	A	Sand		Mongu	Nalikwanda
	B	Sand			Nalikwanda Rch.
W - 12	A	Sand		Senanga	Litoya Shop
	B	Sand			Litoya Sch.
W - 13	A	Sand		Senanga	Sikuyu
	B				Sikuyu Vil.
W - 14	A	Sand		Lukulu	Luancho Sch.
	B	Sand			Luancho Vil.
W - 15	A	Sand		Kaoma	Kanukunya
W - 16	A	Sand		Kaoma	Kataka
	B	Sand			Selute
W - 17	A	Sand		Lukulu	Kangeombe
	B	Sand			
W - 18	A	Sand		Sesheke	Mulobezi
	B	Sand			Mendai
W - 19	A	Sand		Sesheke	Lichaha Vil.
	B	Sand			Lichaha



Scale 1:1,500,000

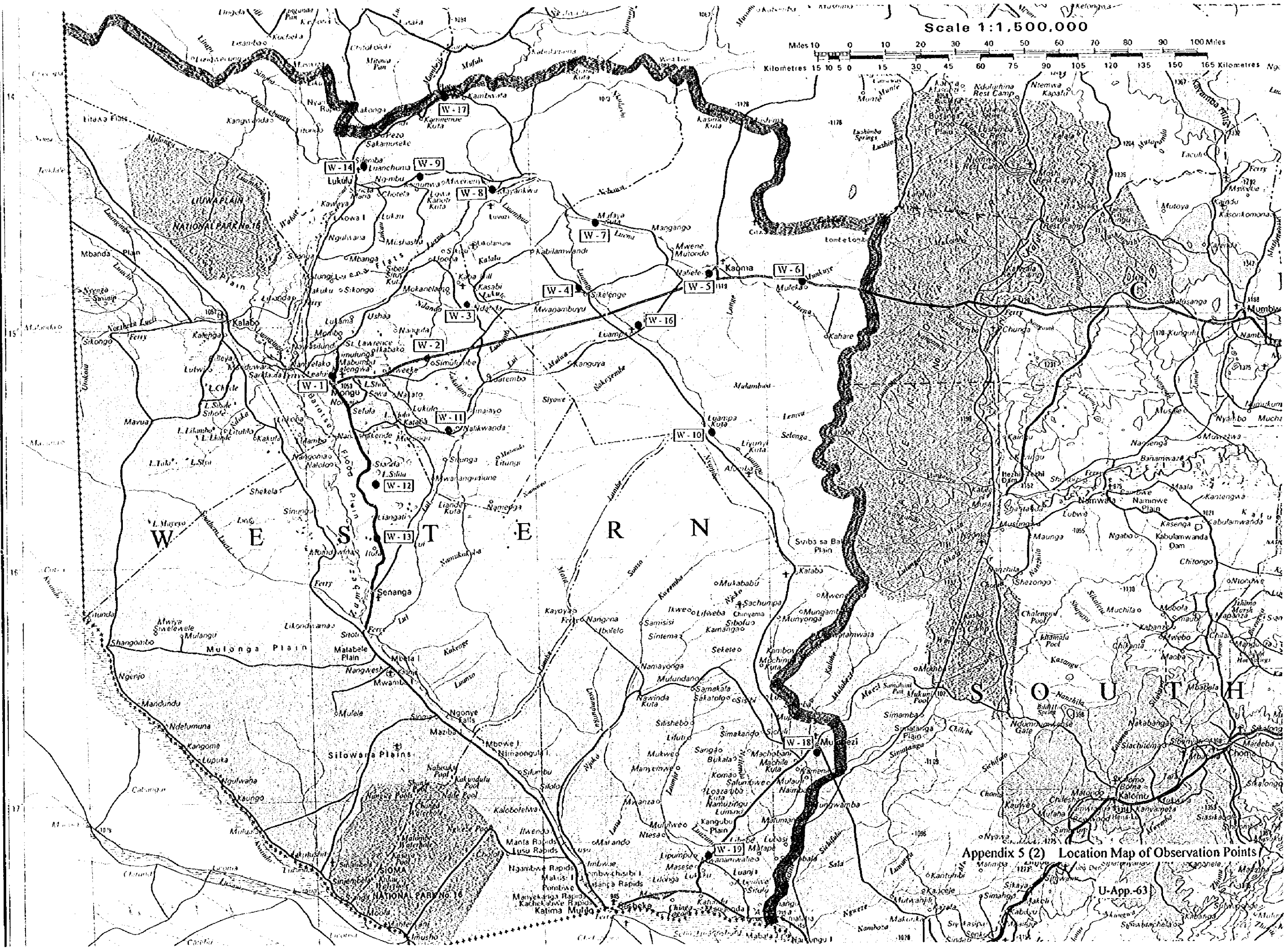
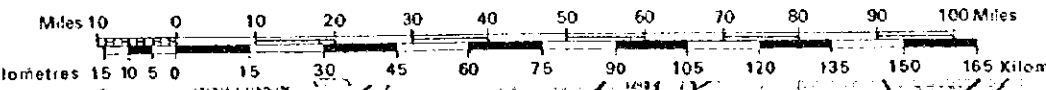
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Kilometres 15 30 45 60 75 90 105 120 135 150 165 Kilometres

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Appendix 5 (2) Location Map of Observation Points

U-App-63

Scale 1:1,500,000



Appendix 5 (2) Location Map of Observation Points

U-App-63

Appendix 5 (3) Result of Nation-wide Groundwater Level Observation

< Western Province >

Point No.	Well No.	May. 1995 G.W.D(m)	Jun. G.W.D(m)	Jul. G.W.D(m)	Sep. G.W.D(m)	Oct. G.W.D(m)	Nov. G.W.D(m)	Feb. 1995 G.W.D(m)	Mar. G.W.D(m)
W-1	A	2.20	2.21	2.23	2.24	2.30	2.34	2.05	2.30
	B	1.20	.91	1.08	.99	.98	.97	1.60	.78
W-2	A	3.29	4.05	3.98	4.13	4.29	4.35	4.22	3.71
W-3	A	2.22	2.39	2.40	2.47	2.62	2.55	2.23	1.92
	B		2.58	2.48	2.80	2.94	2.99	2.76	2.38
W-4	A	3.70	4.00	3.99	dry	dry	dry	dry	dry
W-5	A	-	6.00	5.79	6.37	5.27	6.51	6.41	6.26
	B	-	11.36	11.29	11.58	10.66	11.89	11.41	12.14
W-6	A	1.59	2.74	2.91	3.48	3.77	4.05	3.54	3.20
	B	6.70	8.51	8.94	9.72	10.02	10.18	10.31	10.41
W-7	A	6.26	6.63	6.66	6.83	6.93	7.00	7.13	6.97
W-8	A	2.12	2.86	2.85	3.15	3.25	3.31	2.55	2.37
	B	2.17	2.86	2.92	3.15	3.31	3.39	2.70	2.47
W-9	A	2.70	3.32	3.65	3.75	3.72	3.84	3.71	3.64
	B	3.32	3.58	4.14	4.78	4.86	4.94	4.93	4.89
W-10	A	3.61	4.08	4.23	4.38	4.53	4.69	4.64	4.59
	B	-	10.69	10.89	11.49	11.95	12.12	12.47	12.58
W-11	A	-	3.92	3.53	3.99	4.31	4.24	3.48	3.39
	B	-	4.33	4.29	4.56	4.61	7.70	4.24	4.07
W-12	A	2.17	2.74	2.63	2.91	2.96	2.77	2.16	2.23
	B	2.14	1.95	2.06	2.18	2.31	2.25	1.60	1.54
W-13	A	2.23	2.46	2.53	2.75	2.65	2.67	2.62	2.40
	B	1.20	1.47	1.49	1.67	1.69	1.51	1.30	.95
W-14	A	-	-	2.70	2.94	3.10	3.22	2.75	2.70
	B	-	-	3.56	dry	dry	dry	dry	dry
W-15	A	-	-	28.68	28.77	28.74	28.78	28.81	28.79
W-16	A	-	-	-	6.20	6.32	6.42	6.06	5.95
	B	-	-	-	5.93	6.02	6.10	5.96	5.81
W-17	A	-	-	-	10.57	10.67	10.82	10.77	10.73
W-18	A	2.10	2.73	2.19	3.30	2.96	3.04	2.97	4.30
	B	.00	1.15	1.29	1.59	1.71	1.62	1.53	1.72
W-19	A	6.87	8.29	8.75	9.60	7.74	7.79	7.84	8.06
	B	9.11	9.65	9.85	10.17	9.76	9.93	10.17	10.18

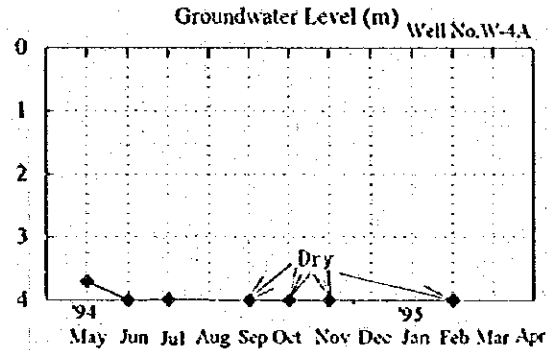
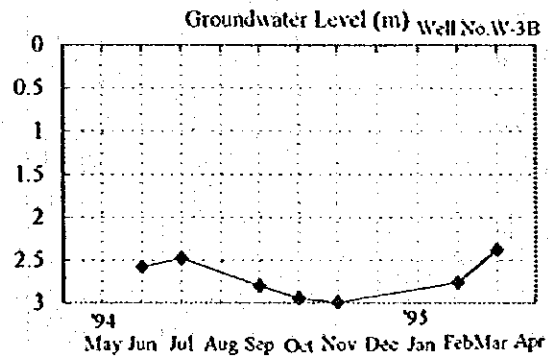
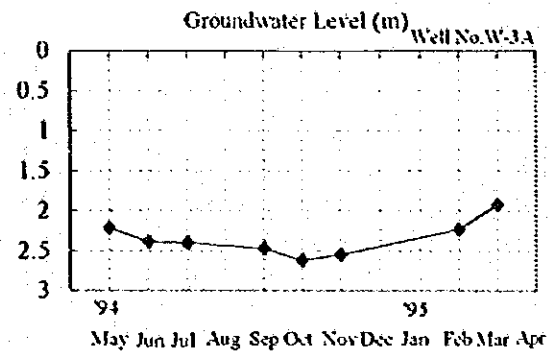
(Note) G.W.D : Groundwater Depth from Surface.

Appendix 5(4) Result of Observation

Province: Western	Aquifer: Sand			<p align="center">Groundwater Level (m) Well No. W-1A</p>
District: Mongu	No.	Month	G.W.L.(GL-m)	
Site Name: Nalukota	1	94May	2.2	
Diameter: 1100 mm	2	Jun	2.21	
Depth:	3	Jul	2.23	
Yield: 1800 l/day	4	Sep	2.24	
Map No. 1523A1	5	Oct	2.3	
Elevation: m	6	Nov	2.34	
Grid Ref.: N=8314Km900m E=730Km950m	7	95Feb	2.05	
	8	Mar	2.3	
Maximum Groundwater Level Fluctuation(m) 0.29				<p align="center">Groundwater Level (m) Well No. W-1B</p>
Province: Western	Aquifer: Sand			
District: Mongu	No.	Month	G.W.L.(GL-m)	
Site Name: Kapona	1	94May	1.2	
Diameter: 1200 mm	2	Jun	0.91	
Depth:	3	Jul	1.08	
Yield: 1800 l/day	4	Sep	0.99	
Map No. 1523A1	5	Oct	0.98	
Elevation: m	6	Nov	0.97	
Grid Ref.: N=8314Km900m E=730Km0m	7	95Feb	1.6	
	8	Mar	0.78	
Maximum Groundwater Level Fluctuation(m) 0.82				<p align="center">Groundwater Level (m) Well No. W-2A</p>
Province: Western	Aquifer: Sand			
District: Mongu	No.	Month	G.W.L.(GL-m)	
Site Name: Simulumbe	1	94May	3.29	
Diameter: 1200 mm	2	Jun	4.05	
Depth:	3	Jul	3.98	
Yield: l/day	4	Sep	4.13	
Map No. 1523B	5	Oct	4.29	
Elevation: m	6	Nov	4.35	
Grid Ref.: N=832Km300m E=77Km450m	7	95Feb	4.22	
	8	Mar	3.71	
Maximum Groundwater Level Fluctuation(m) 1.06				

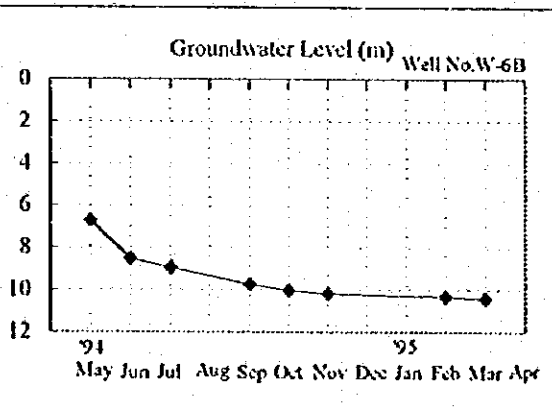
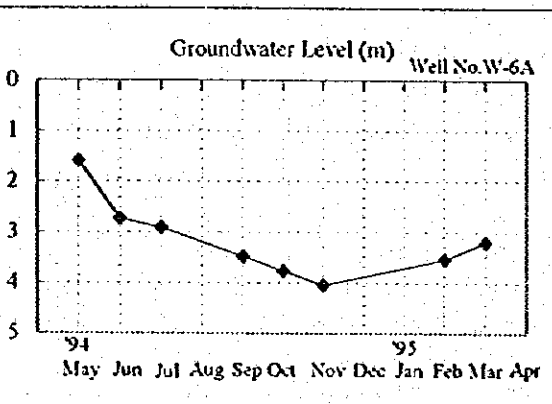
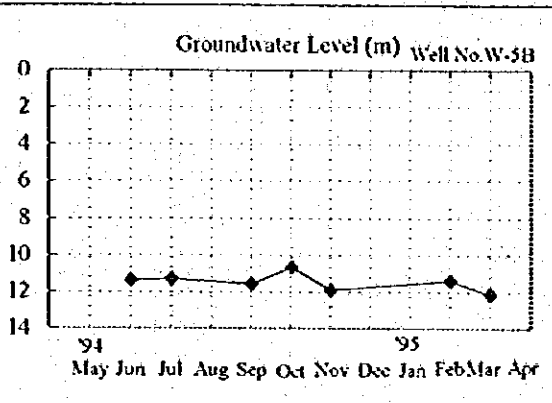
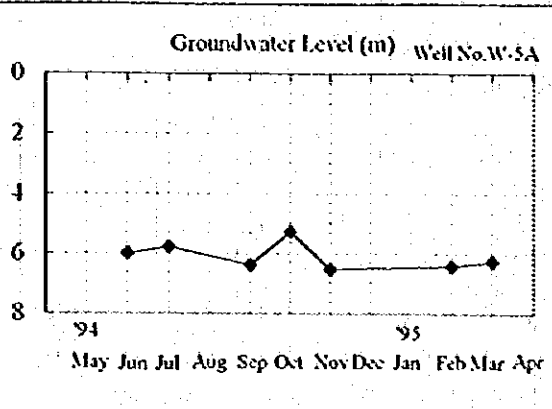
Appendix 5(5) Result of Observation

Province: Western	Aquifer: Sand		
District: Mongu			
Site Name: Ndanda Sch.	No.	Month	G.W.L.(GL-m)
	1	94May	2.22
Diameter: 1200 mm	2	Jun	2.39
Depth:	3	Jul	2.4
Yield: 4500 l/day	4	Sep	2.47
Map No.	5	Oct	2.62
Elevation: m	6	Nov	2.55
Grid Ref.: N=834Km700m E=79Km100m	7	95Feb	2.23
	8	Mar	1.92
Maximum Groundwater Level Fluctuation(m) 0.7			
Province: Western	Aquifer: Sand		
District: Mongu			
Site Name: Ndanda Rch.	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: mm	2	Jun	2.58
Depth:	3	Jul	2.48
Yield: l/day	4	Sep	2.8
Map No.	5	Oct	2.94
Elevation: m	6	Nov	2.99
Grid Ref.:	7	95Feb	2.76
	8	Mar	2.38
Maximum Groundwater Level Fluctuation(m) 0.61			
Province: Western	Aquifer: Sand		
District: Kakoma			
Site Name: Ngenga	No.	Month	G.W.L.(GL-m)
	1	94May	3.7
Diameter: 1150 mm	2	Jun	4
Depth:	3	Jul	3.99
Yield: l/day	4	Sep	Dry
Map No. 1424C	5	Oct	Dry
Elevation: m	6	Nov	Dry
Grid Ref.: N=835Km350m E=20Km350m	7	95Feb	Dry
	8	Mar	
Maximum Groundwater Level Fluctuation(m) 0.3			



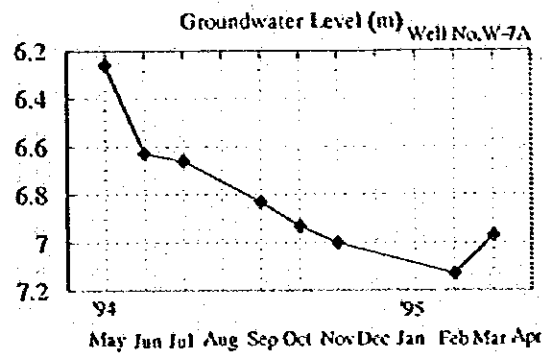
Appendix 5(6) Result of Observation

Province: Western	Aquifer: Sand		
District: Kakoma			
Site Name: Steves Vil.	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: mm	2	Jun	6.0
Depth: m	3	Jul	5.8
Yield: l/day	4	Sep	6.4
Map No.	5	Oct	5.3
Elevation: m	6	Nov	6.5
Grid Ref.:	7	95Feb	6.4
	8	Mar	6.3
Maximum Groundwater Level Fluctuation(m) 1.2			
Province: Western	Aquifer: Sand		
District: Kakoma			
Site Name: Lihusha	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: mm	2	Jun	11.4
Depth: m	3	Jul	11.3
Yield: l/day	4	Sep	11.6
Map No.	5	Oct	10.7
Elevation: m	6	Nov	11.9
Grid Ref.:	7	95Feb	11.4
	8	Mar	12.1
Maximum Groundwater Level Fluctuation(m) 1.5			
Province: Western	Aquifer: Sand		
District: Kakoma			
Site Name: Sipopa	No.	Month	G.W.L.(GL-m)
	1	94May	1.6
Diameter: 1200 mm	2	Jun	2.7
Depth: m	3	Jul	2.9
Yield: 3000 l/day	4	Sep	3.5
Map No. SD-35-9	5	Oct	3.8
Elevation: m	6	Nov	4.1
Grid Ref.: N=836Km700m	7	95Feb	3.5
E=30Km650m	8	Mar	3.2
Maximum Groundwater Level Fluctuation(m) 2.5			
Province: Western	Aquifer: Sand		
District: Kakoma			
Site Name: Chipambala	No.	Month	G.W.L.(GL-m)
	1	94May	6.7
Diameter: 1000 mm	2	Jun	8.5
Depth: m	3	Jul	8.9
Yield: 900 l/day	4	Sep	9.7
Map No. SD-35-9	5	Oct	10.0
Elevation: m	6	Nov	10.2
Grid Ref.: N=835Km750m	7	95Feb	10.3
E=30Km500m	8	Mar	10.4
Maximum Groundwater Level Fluctuation(m) 3.7			



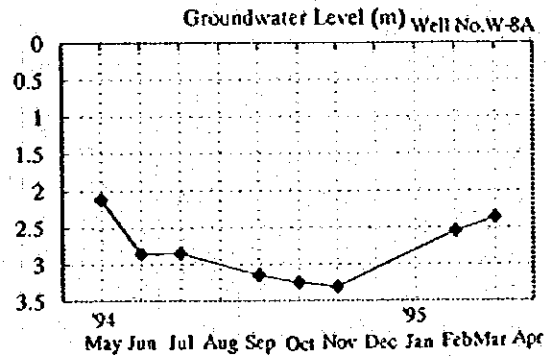
Appendix 5(7) Result of Observation

Province: Western	Aquifer: Sand		
District: Kakoma			
Site Name: Mufaya	No.	Month	G.W.L.(GL-m)
	1	94May	6.26
Diameter: 1100 mm	2	Jun	6.63
Depth: m	3	Jul	6.66
Yield: l/day	4	Sep	6.83
Map No. 1424C	5	Oct	6.93
Elevation: m	6	Nov	7
Grid Ref.: N=838Km550m	7	95Feb	7.13
E=20Km800m	8	Mar	6.97



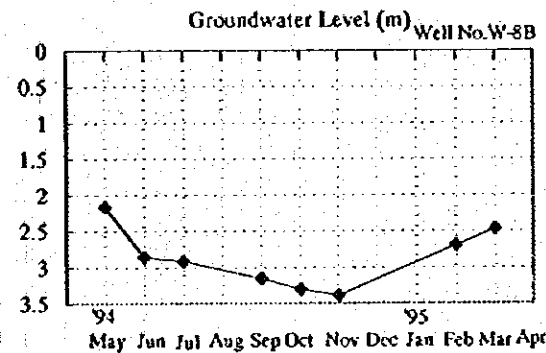
Maximum Groundwater Level Fluctuation(m) 0.87

Province: Western	Aquifer: Sand		
District: Lukulu			
Site Name: Mayankwa	No.	Month	G.W.L.(GL-m)
	1	94May	2.12
Diameter: 1200 mm	2	Jun	2.86
Depth: m	3	Jul	2.85
Yield: 12000 l/day	4	Sep	3.15
Map No. 1423B	5	Oct	3.25
Elevation: m	6	Nov	3.31
Grid Ref.: N=840Km250m	7	95Feb	2.55
E=80Km900m	8	Mar	2.37



Maximum Groundwater Level Fluctuation(m) 1.19

Province: Western	Aquifer: Sand		
District: Lukulu			
Site Name: Mayankwa	No.	Month	G.W.L.(GL-m)
	1	94May	2.17
Diameter: 1200 mm	2	Jun	2.86
Depth: m	3	Jul	2.92
Yield: l/day	4	Sep	3.15
Map No. 1423B	5	Oct	3.31
Elevation: m	6	Nov	3.39
Grid Ref.: N=840Km250m	7	95Feb	2.7
E=80Km900m	8	Mar	2.47



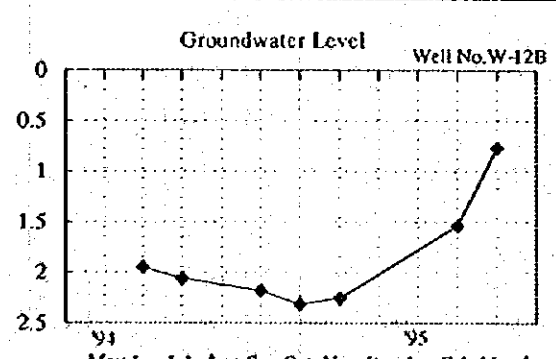
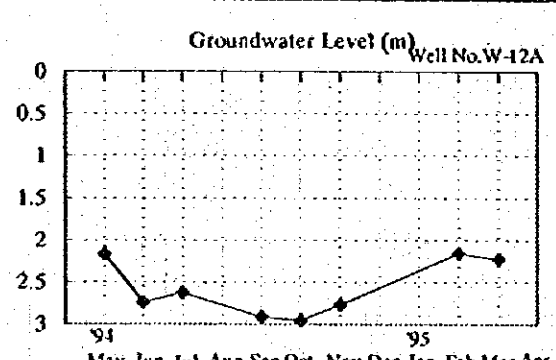
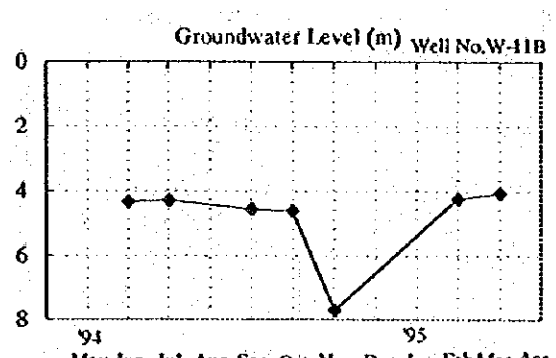
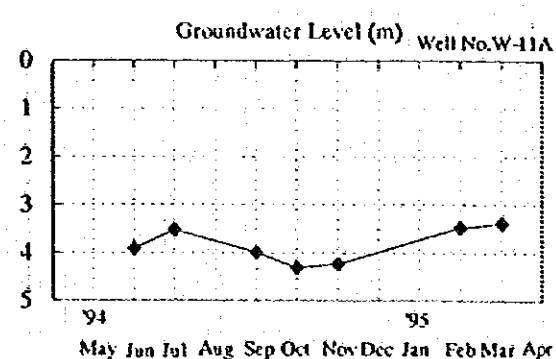
Maximum Groundwater Level Fluctuation(m) 1.22

Appendix 5(8) Result of Observation

Province: Western	Aquifer: Sand			<p>Groundwater Level (m) Well No.W-9A</p>
District: Lukulu	No.	Month	G.W.L.(GL-m)	
Site Name: Lishuwa Sch.	1	94May	2.7	
Diameter: 1200 mm	2	Jun	3.3	
Depth: m	3	Jul	3.7	
Yield: 4500 l/day	4	Sep	3.8	
Map No. 1432A4	5	Oct	3.7	
Elevation: m	6	Nov	3.8	
Grid Ref.: N=8401Km750m E=753Km750m	7	95Feb	3.7	
	8	Mar	3.6	
Maximum Groundwater Level Fluctuation(m) 1.1				<p>Groundwater Level (m) Well No.W-9B</p>
Province: Western	Aquifer: Sand			
District: Lukulu	No.	Month	G.W.L.(GL-m)	
Site Name: Lishuwa Rhc.	1	94May	3.3	
Diameter: 1200 mm	2	Jun	3.6	
Depth: m	3	Jul	4.1	
Yield: l/day	4	Sep	4.8	
Map No. 1423A4	5	Oct	4.9	
Elevation: m	6	Nov	4.9	
Grid Ref.: N=8401Km650m E=753Km900m	7	95Feb	4.9	
	8	Mar	4.9	
Maximum Groundwater Level Fluctuation(m) 1.6				<p>Groundwater Level (m) Well No.W-10A</p>
Province: Western	Aquifer: Sand			
District: Kakoma	No.	Month	G.W.L.(GL-m)	
Site Name: Nyambi	1	94May	3.6	
Diameter: 1120 mm	2	Jun	4.1	
Depth: m	3	Jul	4.2	
Yield: l/day	4	Sep	4.4	
Map No. 1524B	5	Oct	4.5	
Elevation: m	6	Nov	4.7	
Grid Ref.: N=829Km350m E=25Km700m	7	95Feb	4.6	
	8	Mar	4.6	
Maximum Groundwater Level Fluctuation(m) 1.1				<p>Groundwater Level (m) Well No.W-10B</p>
Province: Western	Aquifer: Sand			
District: Kakoma	No.	Month	G.W.L.(GL-m)	
Site Name: Lemvu	1	94May		
Diameter: mm	2	Jun	10.7	
Depth: m	3	Jul	10.9	
Yield: l/day	4	Sep	11.5	
Map No.	5	Oct	12.0	
Elevation: m	6	Nov	12.1	
Grid Ref.:	7	95Feb	12.5	
	8	Mar	12.6	
Maximum Groundwater Level Fluctuation(m) 1.9				

Appendix 5(9) Result of Observation

Province: Western		Aquifer: Sand	
District: Mongu			
Site Name: Nalikwanda		No.	Month
		1	94May
Diameter:	mm	2	Jun
Depth:	m	3	Jul
Yield:	l/day	4	Sep
Map No.		5	Oct
Elevation:	m	6	Nov
Grid Ref.:		7	95Feb
		8	Mar
Maximum Groundwater Level Fluctuation(m) 0.92			
Province: Western		Aquifer: Sand	
District: Mongu			
Site Name: Nalikwanda Rhc.		No.	Month
		1	94May
Diameter:	mm	2	Jun
Depth:	m	3	Jul
Yield:	l/day	4	Sep
Map No.		5	Oct
Elevation:	m	6	Nov
Grid Ref.:		7	95Feb
		8	Mar
Maximum Groundwater Level Fluctuation(m) 3.63			
Province: Western		Aquifer: Sand	
District: Senanga			
Site Name: Litoya Shop		No.	Month
		1	94May
Diameter:	1200 mm	2	Jun
Depth:	m	3	Jul
Yield:	1800 l/day	4	Sep
Map No.	1523C	5	Oct
Elevation:	m	6	Nov
Grid Ref.:	N=826km550m	7	95Feb
	E=74Km650m	8	Mar
Maximum Groundwater Level Fluctuation(m) 0.8			
Province: Western		Aquifer: Sand	
District: Senanga			
Site Name: Litoya Sch.		No.	Month
		1	94May
Diameter:	1200 mm	2	Jun
Depth:	m	3	Jul
Yield:	6200 l/day	4	Sep
Map No.	1523C	5	Oct
Elevation:	m	6	Nov
Grid Ref.:	N=826Km700m	7	95Feb
	E=75Km200m	8	Mar
Maximum Groundwater Level Fluctuation(m) 0.77			

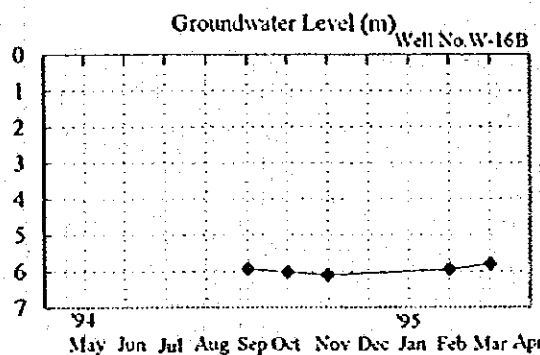
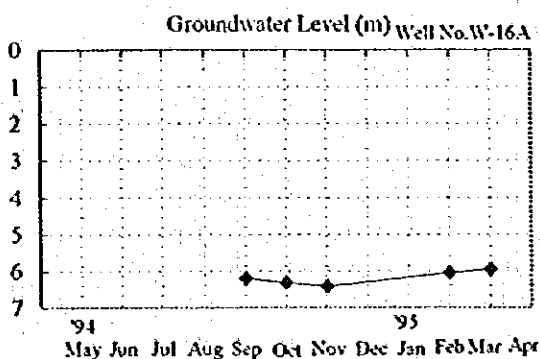
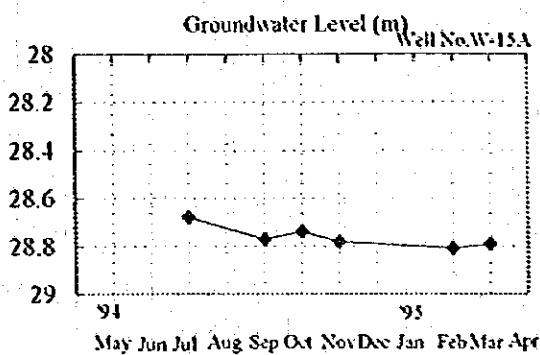


Appendix 5(10) Result of Observation

Province: Western	Aquifer: Sand			<p>Groundwater Level (m) Well No.W-13A</p>
District: Senanga	No.	Month	G.W.L.(GL-m)	
Site Name: Sikuyu	1	94May	2.23	
Diameter: 1200 mm	2	Jun	2.46	
Depth: m	3	Jul	2.53	
Yield: 1200 l/day	4	Sep	2.75	
Map No. 1523C	5	Oct	2.65	
Elevation: m	6	Nov	2.67	
Grid Ref.: N=824Km150m E=74Km700m	7	95Feb	2.62	
	8	Mar	2.4	
Maximum Groundwater Level Fluctuation(m) 0.52				<p>Groundwater Level (m) Well No.W-13B</p>
Province: Western	Aquifer: Sand			
District: Senanga	No.	Month	G.W.L.(GL-m)	
Site Name: Sikuyu Vil.	1	94May	1.2	
Diameter: 1200 mm	2	Jun	1.47	
Depth: m	3	Jul	1.49	
Yield: 1800 l/day	4	Sep	1.67	
Map No. 1523C	5	Oct	1.69	
Elevation: m	6	Nov	1.51	
Grid Ref.: N=824Km150m E=74Km850m	7	95Feb	1.3	
	8	Mar	0.95	
Maximum Groundwater Level Fluctuation(m) 0.74				<p>Groundwater Level (m) Well No.W-14A</p>
Province: Western	Aquifer: Sand			
District: Lukulu	No.	Month	G.W.L.(GL-m)	
Site Name: Luancho Sch.	1	94May		
Diameter: mm	2	Jun		
Depth: m	3	Jul	2.7	
Yield: l/day	4	Sep	2.94	
Map No. 1423A	5	Oct	3.1	
Elevation: m	6	Nov	3.22	
Grid Ref.: N=841Km300m E=74Km750m	7	95Feb	2.75	
	8	Mar	2.7	
Maximum Groundwater Level Fluctuation(m) 0.52				<p>Groundwater Level (m) Well No.W-14B</p>
Province: Western	Aquifer: Sand			
District: Lukulu	No.	Month	G.W.L.(GL-m)	
Site Name: Luancho Vil.	1	94May		
Diameter: mm	2	Jun		
Depth: m	3	Jul	3.56	
Yield: l/day	4	Sep	Dry	
Map No. 1423A	5	Oct	Dry	
Elevation: m	6	Nov	Dry	
Grid Ref.: N=841Km300m E=74Km700m	7	95Feb	Dry	
	8	Mar		
Maximum Groundwater Level Fluctuation(m) 0				

Appendix 5(11) Result of Observation

Province: Western	Aquifer: Sand		
District: Kaoma			
Site Name: Kamukanya	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: mm	2	Jun	
Depth: m	3	Jul	28.7
Yield: l/day	4	Sep	28.8
Map No.	5	Oct	28.7
Elevation: m	6	Nov	28.8
Grid Ref.:	7	95Feb	28.8
	8	Mar	28.8
Maximum Groundwater Level Fluctuation(m) 0.1			
Province: Western	Aquifer: Sand		
District: Kaoma			
Site Name: Kataka	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: mm	2	Jun	
Depth: m	3	Jul	
Yield: l/day	4	Sep	6.2
Map No. 1423B	5	Oct	6.3
Elevation: m	6	Nov	6.4
Grid Ref.: N=844Km650m E=78Km450m	7	95Feb	6.1
	8	Mar	6.0
Maximum Groundwater Level Fluctuation(m) 0.5			
Province: Western	Aquifer: Sand		
District: Kaoma			
Site Name: Selvte	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: mm	2	Jun	
Depth: m	3	Jul	
Yield: l/day	4	Sep	5.9
Map No.	5	Oct	6.0
Elevation: m	6	Nov	6.1
Grid Ref.:	7	95Feb	6.0
	8	Mar	5.8
Maximum Groundwater Level Fluctuation(m) 0.3			

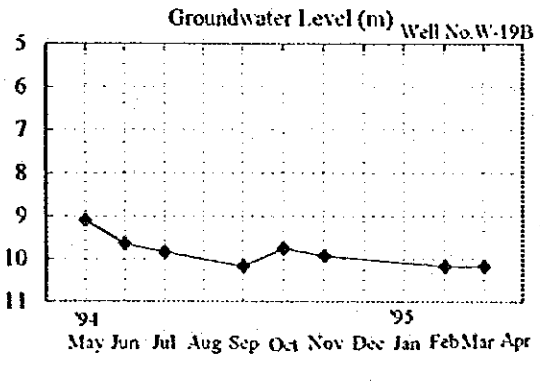
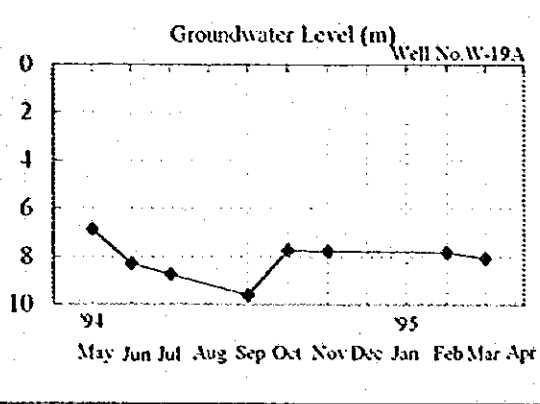


Appendix 5(12) Result of Observation

Province: Western	Aquifer: Sand			<p>Groundwater Level (m) Well No.W-17A</p>
District: Lukulu	No.	Month	G.W.L.(GL-m)	
Site Name: Kangeobe	1	94May		
Diameter: mm	2	Jun		
Depth: m	3	Jul		
Yield: l/day	4	Sep	10.6	
Map No.	5	Oct	10.7	
Elevation: m	6	Nov	10.8	
Grid Ref.:	7	95Feb	10.8	
	8	Mar	10.7	
Maximum Groundwater Level Fluctuation(m) 0.3				<p>Groundwater Level (m) Well No.W-18A</p>
Province: Western	Aquifer: Sand			
District: Sesheke	No.	Month	G.W.L.(GL-m)	
Site Name: Mulobezi	1	94May	2.1	
Diameter: 1200 mm	2	Jun	2.7	
Depth: m	3	Jul	2.2	
Yield: l/day	4	Sep	3.3	
Map No. 1625C	5	Oct	3.0	
Elevation: m	6	Nov	3.0	
Grid Ref.: N=814Km350m E=30Km450m	7	95Feb	3.0	
	8	Mar	4.3	
Maximum Groundwater Level Fluctuation(m) 2.2				<p>Groundwater Level Well No.W-18B</p>
Province: Western	Aquifer: Sand			
District: Sesheke	No.	Month	G.W.L.(GL-m)	
Site Name: Mendai	1	94May	0.0	
Diameter: mm	2	Jun	1.2	
Depth: m	3	Jul	1.3	
Yield: l/day	4	Sep	1.6	
Map No.	5	Oct	1.7	
Elevation: m	6	Nov	1.6	
Grid Ref.:	7	95Feb	1.5	
	8	Mar	1.7	
Maximum Groundwater Level Fluctuation(m) 1.7				

Appendix 5(13) Result of Observation

Province: Western	Aquifer: Sand		
District: Sesheke			
Site Name: Lichaha Vil.	No.	Month	O.W.L.(GL-m)
	1	94May	6.9
Diameter: 1150 mm	2	Jun	8.3
Depth:	3	Jul	8.8
Yield: 3600 l/day	4	Sep	9.6
Map No. SE-35-5	5	Oct	7.7
Elevation: m	6	Nov	7.8
Grid Ref.: N=808Km950m E=809Km500m	7	95Feb	7.8
	8	Mar	8.1
Maximum Groundwater Level Fluctuation(m) 2.7			
Province: Western	Aquifer: Sand		
District: Sesheke			
Site Name: Lishaha	No.	Month	O.W.L.(GL-m)
	1	94May	9.1
Diameter: 1150 mm	2	Jun	9.7
Depth:	3	Jul	9.9
Yield: 1800 U/day	4	Sep	10.2
Map No. SE-35-5	5	Oct	9.8
Elevation: m	6	Nov	9.9
Grid Ref.: N=808Km950m E=809Km500m	7	95Feb	10.2
	8	Mar	10.2
Maximum Groundwater Level Fluctuation(m) 1.1			



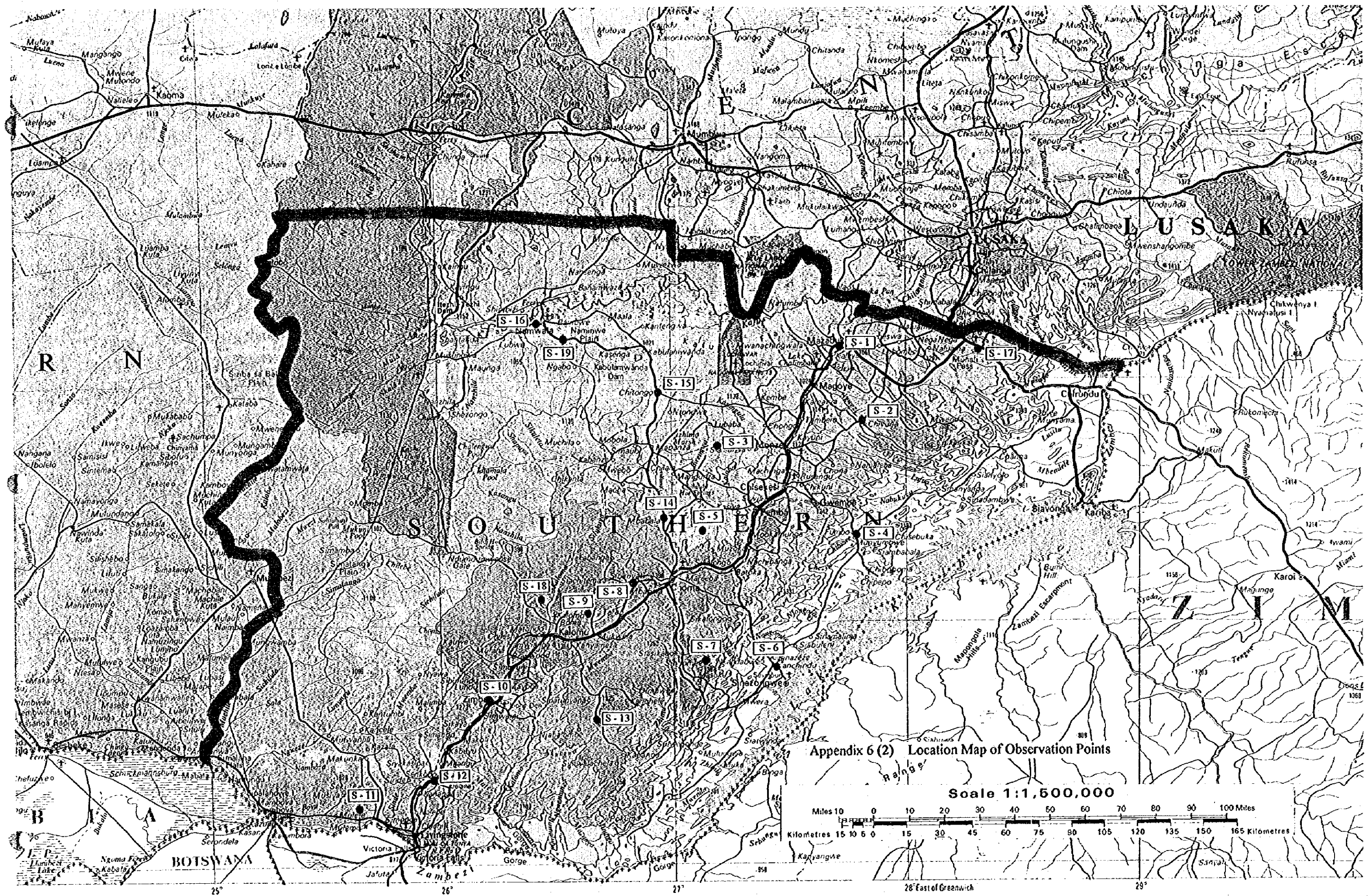
Appendix 6

Observation Result in Southern Province

Appendix 6 (1) List of Observation Points

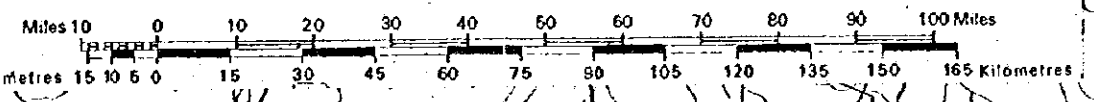
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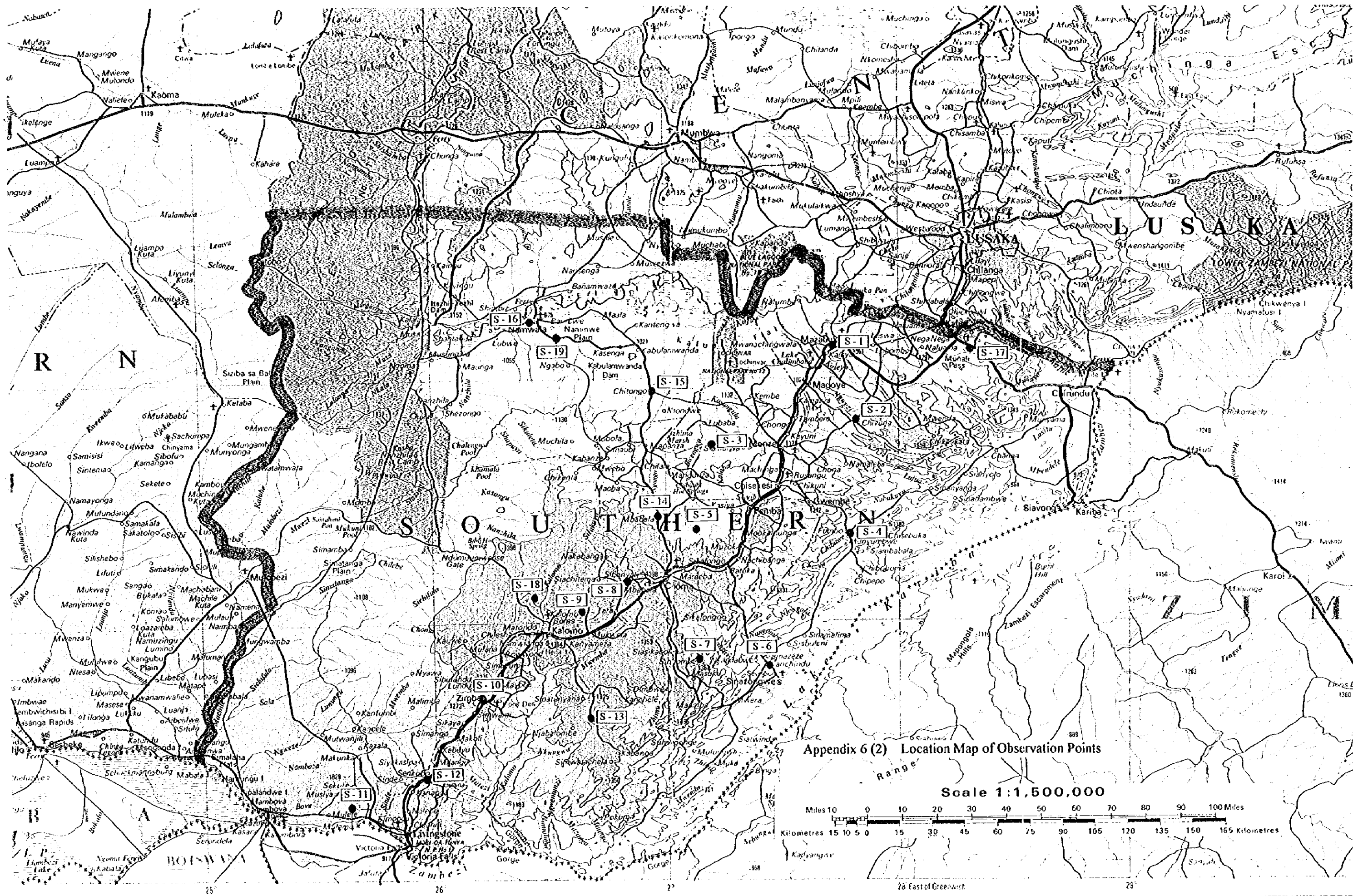
Point No.	Well No.	Geology	Elevation (m)	District	Site Name
S - 1	A	Alluvium	1049	Mazabuka	Mazabuka Air.
	B	Alluvium	1028		Kasikire Comp.
S - 2	A	Quartzite	1126	Mazabuka	Chikwala Vil.
	B	Quartzite	1122		ST.Michael P.Sch.
S - 3	A	Alluvium	1057	Monze	Zambia Comp.
	B	Alluvium	1058		Zanungu Comp.
S - 4	A	Mudstone	609	Gwembe	Nachanjele Sch.
	B	Mudstone	652		Munyumbwe Vil.
S - 5	A	Gneiss	1190	Choma	Batoka B.Sch.
	B	Gneiss	1182		Batoka A.Comp.
S - 6	A	Sandstone	552	Sinazonswe	Siapaka Vil.
	B	Sandstone	559		Siapaka Comp.
S - 7	A	Gneiss	1305	Choma	Siasikabole Sch.
	B	Gneiss	1320		Siasikabole Vil.
S - 8	A	Granite	1381	Choma	Sibanyati Sch.
	B	Granite			Sibanyati Vil.
S - 9	A	Granite Granite	1285	Kakomo	Chonga B.Sch.
S - 10	A	Gneiss	1240	Kakomo	Zimba Cathlics
	B	Gneiss	1233		Mrs. Sianga
S - 11	A	Sand	946	Kakomo	P.Nyambe Vil.
	B	Sand	948		Silibana Vil.
S - 12	A	Basalt	1105	Kakomo	Senkobo Quarey
	B	Basalt	1087		Sheleni Vil.
S - 13	A	Granite Granite	1308	Kakomo	Green View Farm Luyala Farm
S - 14	A	Granite	1193	Choma	Mbabala Orc.
	B	Granite	1191		Mbabala
S - 15	A	Alluvium	1013	Namwala	Chitonga Coop.
	B	Alluvium	1014		Chitonga Comp.
S - 16	A	Sand	995	Namwala	Kalunda P.Sch.
	B	Sand	1009		Lubanga B.Sch.
S - 17	A	Igneous	1005	Mazabuka	Nanbuba Vil.
	B	Igneous	308		Nanbuba Vil.
S - 18	A	Gneiss	1257	Kalomo	Mafwafwa Vil.
	B	Gneiss	1257		Simalele Vil.
S - 19	A	Sand	1042	Namwala	Chiinyemu Vil.
	B	Sand	1030		Naminwe Vil.
S - 20	A			Namwala	
	B				



Appendix 6 (2) Location Map of Observation Points

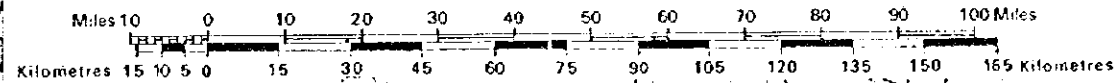
Scale 1:1,500,000





Appendix 6 (2) Location Map of Observation Points

Scale 1:1,500,000



Appendix 6 (3) Result of Nation-wide Groundwater Level Observation

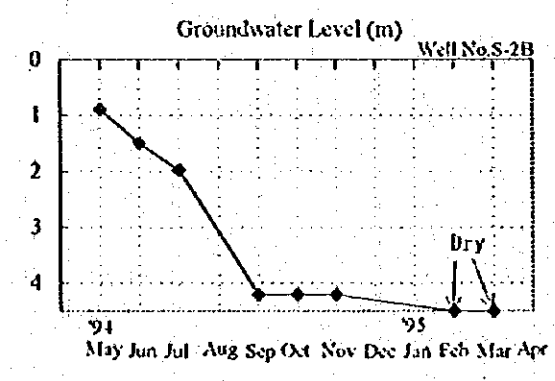
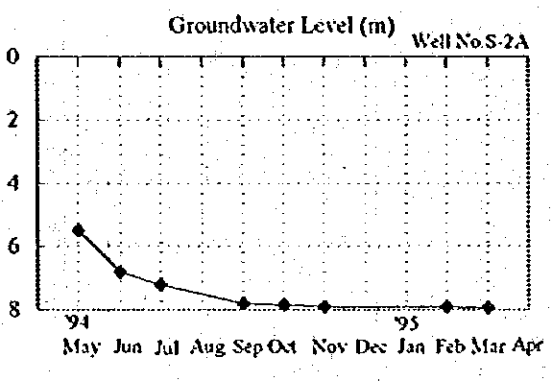
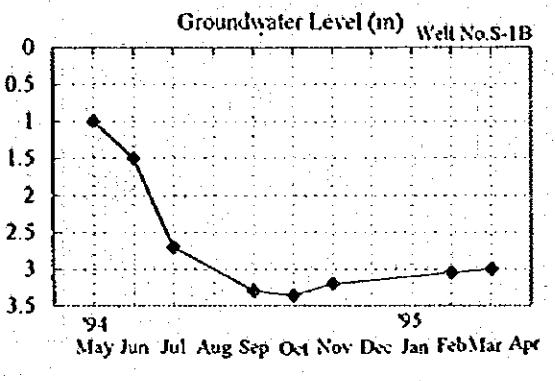
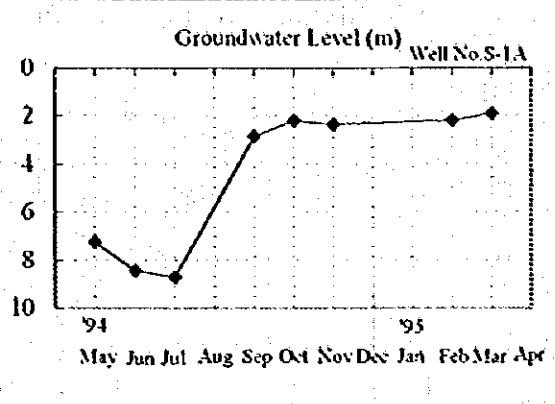
< Southern Province >

Point No.	Well No.	May. 199	Jun.	Jul.	Sep.	Oct.	Nov.	Feb. 1995	Mar.
		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)
S - 1	A	7.25	8.46	8.70	2.85	2.20	2.36	2.20	1.90
	B	1.00	1.50	2.70	3.30	3.36	3.20	3.05	3.00
S - 2	A	5.50	6.80	7.20	7.80	7.85	7.90	7.90	7.95
	B	0.90	1.50	1.98	4.20	4.20	4.20	dry	dry
S - 3	A	1.50	8.40	9.40	9.18	9.15	7.90	8.00	9.20
	B	5.35	5.72	5.65	5.68	5.65	5.62	5.55	5.59
S - 4	A	5.50	8.30	dry	dry	dry	dry	5.90	5.00
	B	2.60	3.40	3.65	3.85	4.00	4.10	3.30	3.00
S - 5	A	10.90	11.50	11.89	12.93	13.68	13.60	13.55	13.67
	B	9.60	10.40	11.80	13.65	13.00	14.00	10.70	9.95
S - 6	A	9.20	9.20	15.75	15.70	15.71	15.73	11.60	12.37
	B	7.15	15.80	10.81	12.90	11.49	13.10	11.85	13.00
S - 7	A	12.20	15.20	9.50	15.64	16.33	16.40	16.30	16.32
	B	15.30	14.30	15.54	15.64	15.60	15.66	15.60	14.65
S - 8	A	14.17	13.02	12.50	13.27	17.49	13.47	13.87	13.57
	B	3.70	4.50	5.27	6.20	6.20	6.20	5.30	5.30
S - 9	A	15.90	16.70	16.70	17.10	17.10	17.20	17.20	17.00
S - 10	A	3.05	2.00	2.86	2.60	3.20	3.25	2.86	3.07
	B	7.10	7.60	7.50	7.50	7.00	7.50	9.00	dry
S - 11	A	20.30	20.30	20.46	20.39	20.40	20.40	20.40	dry
	B	11.77	12.15	11.97	12.02	12.17	12.27	12.17	12.27
S - 12	A	13.30	14.40	14.50	14.90	14.90	15.10	15.32	15.45
	B	6.20	7.65	7.70	8.20	7.60	8.00	7.53	8.00
S - 13	A	13.36	13.90	14.97	16.85	16.50	16.87	17.30	17.40
S - 14	A	7.94	10.14	17.94	18.04	17.58	17.04	15.84	15.50
	B	1.75	2.34	2.71	10.85	10.71	10.65	10.34	10.25
S - 15	A	6.90	8.40	8.60	8.50	8.70	9.00	8.60	8.40
	B	7.20	7.98	8.00	8.45	8.50	8.50	8.60	8.85
S - 16	A	8.16	9.09	8.76	9.16	9.26	9.32	9.63	9.66
	B	4.80	5.22	5.30	5.75	5.85	5.90	6.00	6.00
S - 17	A	-	-	5.80	5.60	5.76	dry	5.70	8.70
	B	-	-	5.84	5.84	5.84	5.84	5.74	5.78
S - 18	A	-	-	8.70	9.46	9.40	10.13	8.47	8.17
	B	-	-	11.70	11.54	11.47	11.40	2.94	2.50
S - 19	A	-	-	16.80	20.16	19.96	24.20	21.10	20.65
	B	-	-	15.70	15.70	15.70	15.70	15.70	15.70
S - 20	A	7.10	dry	-	-	-	-	-	-
	B	4.10	dry	-	-	-	-	-	-

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

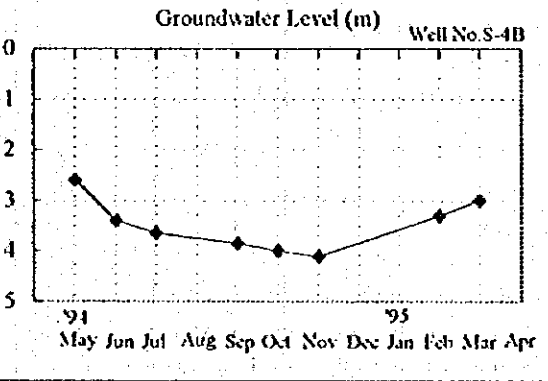
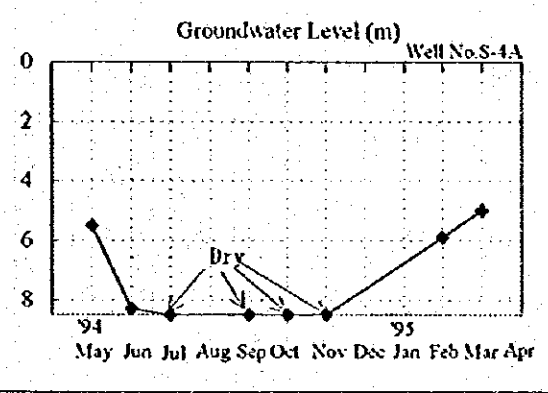
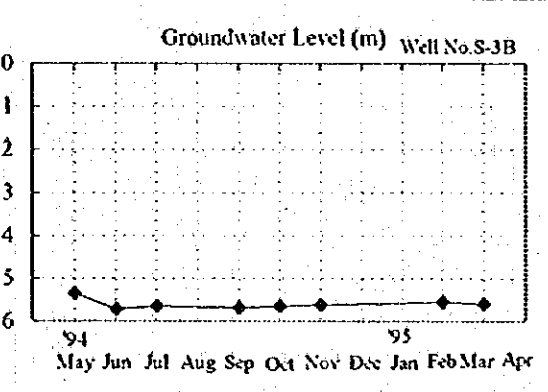
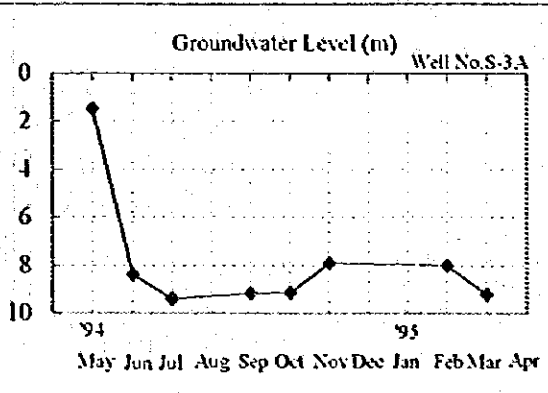
Appendix 6(4) Result of Observation

Province: Southern	Aquifer: Alluvium		
District: Mazabuka			
Site Name:	No.	Month	G.W.L.(GL-m)
Mazabuka Air.	1	94May	7.25
Diameter: 1500 mm	2	Jun	8.46
Depth: 9.8 m	3	Jul	8.7
Yield: 750 l/day	4	Sep	2.85
Map No. 1527D3	5	Oct	2.2
Elevation: 1049 m	6	Nov	2.36
Grid Ref.: N=8248Km300m	7	95Feb	2.2
E=579Km150m	8	Mar	1.9
Maximum Groundwater Level Fluctuation(m) 6.8			
Province: Southern	Aquifer: Alluvium		
District: Mazabuka			
Site Name:	No.	Month	G.W.L.(GL-m)
Kasikire Comp.	1	94May	1
Diameter: 1400 mm	2	Jun	1.5
Depth: 4.3 m	3	Jul	2.7
Yield: l/day	4	Sep	3.3
Map No. 1527D3	5	Oct	3.36
Elevation: 1028 m	6	Nov	3.2
Grid Ref.: N=8240Km900m	7	95Feb	3.05
E=571Km300m	8	Mar	3
Maximum Groundwater Level Fluctuation(m) 2.36			
Province: Southern	Aquifer: Quartzite		
District: Mazabuka			
Site Name:	No.	Month	G.W.L.(GL-m)
Chikwala Vil.	1	94May	5.5
Diameter: 1100 mm	2	Jun	6.8
Depth: 8.3 m	3	Jul	7.2
Yield: 5000 l/day	4	Sep	7.8
Map No. 1627B2	5	Oct	7.85
Elevation: 1126 m	6	Nov	7.9
Grid Ref.: N=8210Km800m	7	95Feb	7.9
E=587Km450m	8	Mar	7.95
Maximum Groundwater Level Fluctuation(m) 2.45			
Province: Southern	Aquifer: Quartzite		
District: Mazabuka			
Site Name:	No.	Month	G.W.L.(GL-m)
ST.Micheal.P.Sch.	1	94May	0.9
Diameter: 1200 mm	2	Jun	1.5
Depth: 4.5 m	3	Jul	1.98
Yield: l/day	4	Sep	4.2
Map No. 1627B2	5	Oct	4.2
Elevation: 1122 m	6	Nov	4.2
Grid Ref.: N=8212Km800m	7	95Feb	Dry
E=585Km750m	8	Mar	Dry
Maximum Groundwater Level Fluctuation(m) 3.3			



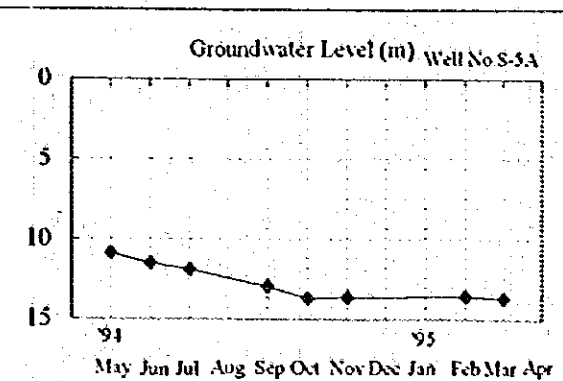
Appendix 6(5) Result of Observation

Province: Southern	Aquifer: Alluvium		
District: Monze			
Site Name:	No.	Month	G.W.L.(GL-m)
Zambia Comp.	1	94May	1.5
Diameter: 1150 mm	2	Jun	8.4
Depth: 10 m	3	Jul	9.4
Yield: 50000 l/day	4	Sep	9.18
Map No. 1627A3	5	Oct	9.15
Elevation: 1057 m	6	Nov	7.9
Grid Ref.: N=8918Km50m E=579Km50m	7	95Feb	8
	8	Mar	9.2
Maximum Groundwater Level Fluctuation(m) 7.9			
Province: Southern	Aquifer: Alluvium		
District: Monze			
Site Name:	No.	Month	G.W.L.(GL-m)
Manungu Comp.	1	94May	5.35
Diameter: 1100 mm	2	Jun	5.72
Depth: 5.71 m	3	Jul	5.65
Yield: l/day	4	Sep	5.68
Map No. 1627A3	5	Oct	5.65
Elevation: 1058 m	6	Nov	5.62
Grid Ref.: N=8198Km75m E=519Km80m	7	95Feb	5.55
	8	Mar	5.59
Maximum Groundwater Level Fluctuation(m) 0.37			
Province: Southern	Aquifer: Mudstone		
District: Gwembe			
Site Name:	No.	Month	G.W.L.(GL-m)
Nachanjele Sch.	1	94May	5.5
Diameter: 1000 mm	2	Jun	8.3
Depth: m	3	Jul	Dry
Yield: l/day	4	Sep	Dry
Map No. 1627D2	5	Oct	Dry
Elevation: 609 m	6	Nov	Dry
Grid Ref.: N=8159Km950m E=585Km50m	7	95Feb	5.9
	8	Mar	5
Maximum Groundwater Level Fluctuation(m) 3.3			
Province: Southern	Aquifer: Mudstone		
District: Gwembe			
Site Name:	No.	Month	G.W.L.(GL-m)
Munyunbwe Vil.	1	94May	2.6
Diameter: 1100 mm	2	Jun	3.4
Depth: m	3	Jul	3.65
Yield: l/day	4	Sep	3.85
Map No. 1627D2	5	Oct	4
Elevation: 652 m	6	Nov	4.1
Grid Ref.: N=8160Km750m E=582Km450m	7	95Feb	3.3
	8	Mar	3
Maximum Groundwater Level Fluctuation(m) 1.5			

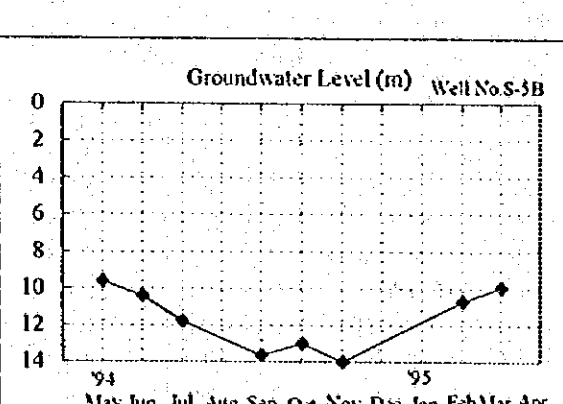


Appendix 6(6) Result of Observation

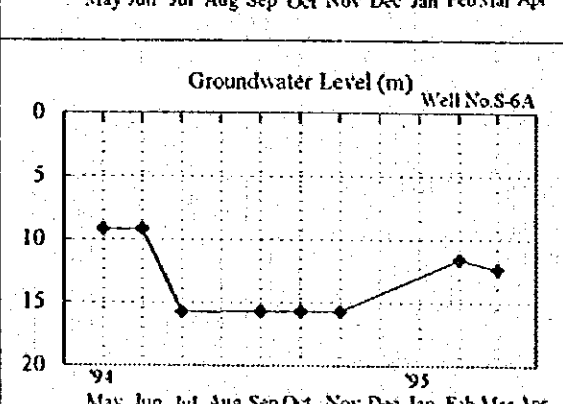
Province: Southern	Aquifer: Gneiss		
District: Choma			
Site Name: Batoka B.Sch.	No.	Month	G.W.L.(GL-m)
	1	94May	10.9
Diameter: 1100 mm	2	Jun	11.5
Depth: m	3	Jul	11.9
Yield: l/day	4	Sep	12.9
Map No. 1627C1	5	Oct	13.7
Elevation: 1190 m	6	Nov	13.6
Grid Ref.: N=3164Km650m	7	95Feb	13.6
E=511Km700m	8	Mar	13.7



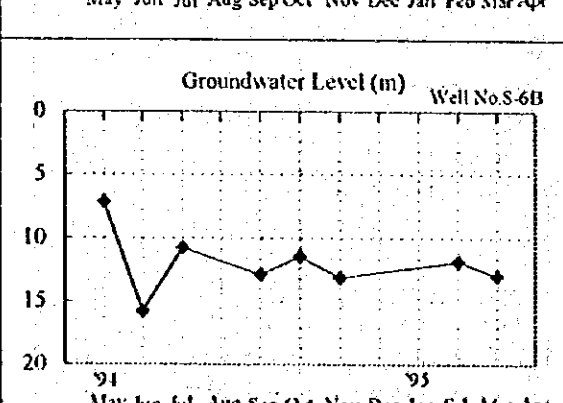
Maximum Groundwater Level Fluctuation(m) 2.8			
Province: Southern	Aquifer: Gneiss		
District: Monze			
Site Name: Batoka A.Comp.	No.	Month	G.W.L.(GL-m)
	1	94May	9.6
Diameter: 1100 mm	2	Jun	10.4
Depth: 14.8 m	3	Jul	11.8
Yield: l/day	4	Sep	13.7
Map No. 1627C1	5	Oct	13.0
Elevation: 1182 m	6	Nov	14.0
Grid Ref.: N=3146Km950m	7	95Feb	10.7
E=511Km650m	8	Mar	10.0



Maximum Groundwater Level Fluctuation(m) 4.4			
Province: Southern	Aquifer: Sandstone		
District: Sinazonswe			
Site Name: Siapaka Vil.	No.	Month	G.W.L.(GL-m)
	1	94May	9.2
Diameter: 1100 mm	2	Jun	9.2
Depth: m	3	Jul	15.8
Yield: l/day	4	Sep	15.7
Map No. 1727A2	5	Oct	15.7
Elevation: 552 m	6	Nov	15.7
Grid Ref.: N=3102Km800m	7	95Feb	11.6
E=545Km400m	8	Mar	12.4

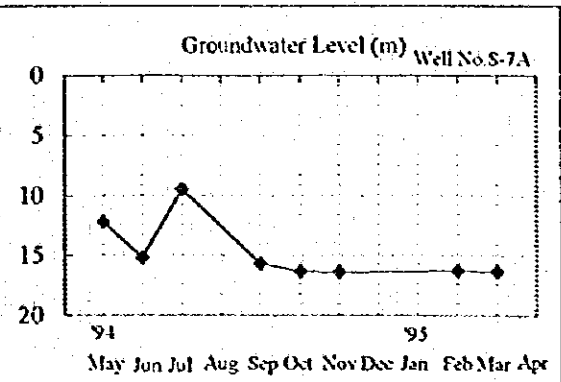


Maximum Groundwater Level Fluctuation(m) 6.6			
Province: Southern	Aquifer: Sandstone		
District: Sinazonswe			
Site Name: Siapaka Comp.	No.	Month	G.W.L.(GL-m)
	1	94May	7.2
Diameter: 1200 mm	2	Jun	15.8
Depth: 16 m	3	Jul	10.8
Yield: l/day	4	Sep	12.9
Map No. 1727A2	5	Oct	11.5
Elevation: 559 m	6	Nov	13.1
Grid Ref.: N=3102Km900m	7	95Feb	11.9
E=545Km650m	8	Mar	13.0

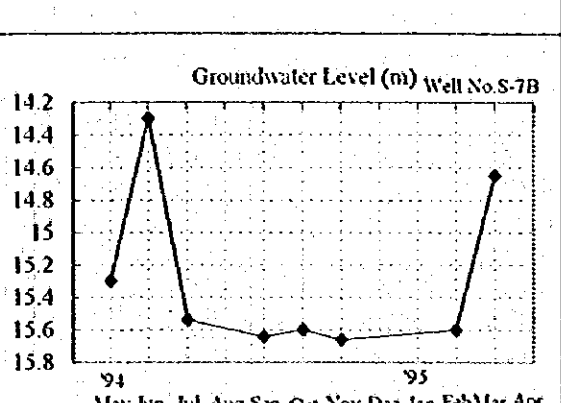


Appendix 6(7) Result of Observation

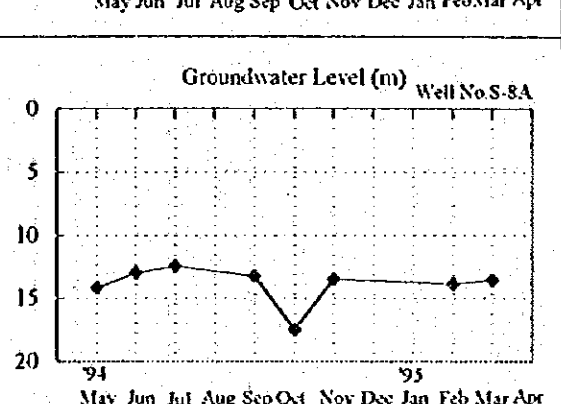
Province: Southern	Aquifer: Gneiss		
District: Choma			
Site Name:	No.	Month	G.W.L.(GL-m)
Siasikabole Sch.	1	94May	12.2
Diameter: 1100 mm	2	Jun	15.2
Depth: 17.3 m	3	Jul	9.5
Yield: 50700 l/day	4	Sep	15.6
Map No. 1727A1	5	Oct	16.3
Elevation: 1305 m	6	Nov	16.4
Grid Ref.: N=8099Km550m E=509Km100m	7	95Feb	16.3
	8	Mar	16.3



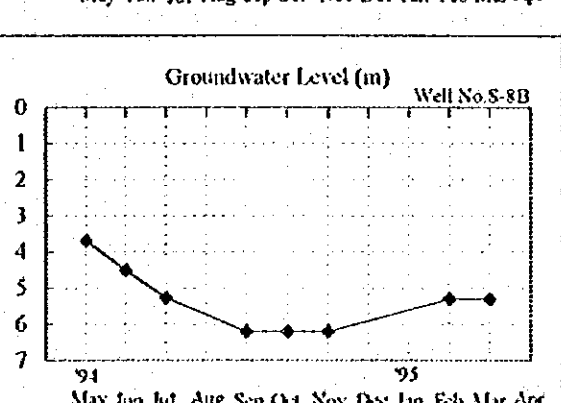
Maximum Groundwater Level Fluctuation(m) 6.9			
Province: Southern	Aquifer: Gneiss		
District: Choma			
Site Name:	No.	Month	G.W.L.(GL-m)
Siasikibole Vil.	1	94May	15.3
Diameter: 1000 mm	2	Jun	14.3
Depth: 16.3 m	3	Jul	15.5
Yield: l/day	4	Sep	15.6
Map No. 1727A1	5	Oct	15.6
Elevation: 1320 m	6	Nov	15.7
Grid Ref.: N=8099Km550m E=509Km350m	7	95Feb	15.6
	8	Mar	14.7



Maximum Groundwater Level Fluctuation(m) 1.4			
Province: Southern	Aquifer: Granite		
District: Choma			
Site Name:	No.	Month	G.W.L.(GL-m)
Sibanyati Vil.	1	94May	14.2
Diameter: 1200 mm	2	Jun	13.0
Depth: 15.3 m	3	Jul	12.5
Yield: l/day	4	Sep	13.3
Map No. 1626D4	5	Oct	17.5
Elevation: 1381 m	6	Nov	13.5
Grid Ref.: N=8146Km900m E=482Km0m	7	95Feb	13.9
	8	Mar	13.6



Maximum Groundwater Level Fluctuation(m) 5.0			
Province: Southern	Aquifer: Granite		
District: Choma			
Site Name:	No.	Month	G.W.L.(GL-m)
Sibanyati Sch.	1	94May	3.7
Diameter: 1200 mm	2	Jun	4.5
Depth: 6.2 m	3	Jul	5.3
Yield: l/day	4	Sep	6.2
Map No. 1626D4	5	Oct	6.2
Elevation: 4534 m	6	Nov	6.2
Grid Ref.: N=8146Km900m E=481Km650m	7	95Feb	5.3
	8	Mar	5.3

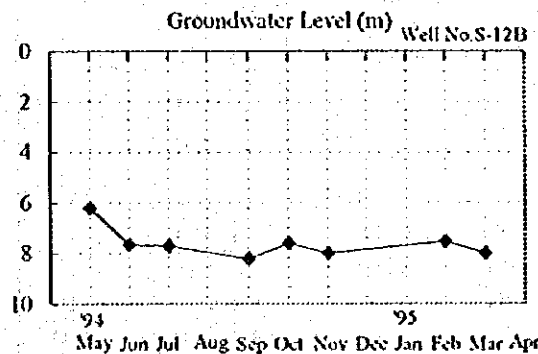
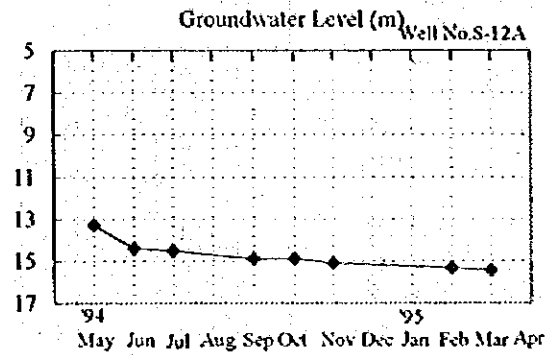
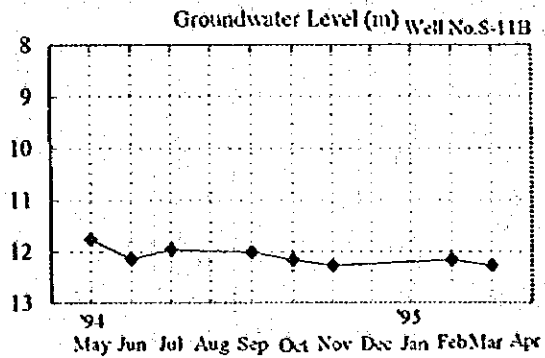
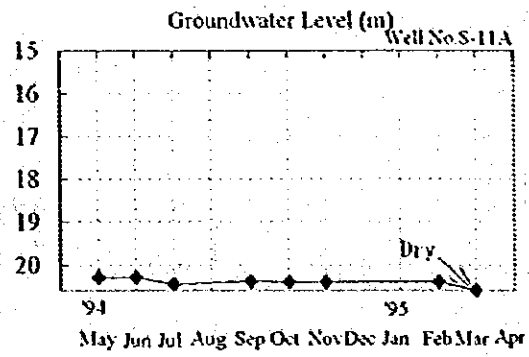


Appendix 6(8) Result of Observation

Province: Southern	Aquifer: Granite			<p>Groundwater Level (m) Well No.S-9A</p>
District: Kakomo	No.	Month	G.W.L.(GL-m)	
Site Name: Chonga B.Sch.	1	94May	15.9	
Diameter: 1200 mm	2	Jun	16.7	
Depth: 19.5 m	3	Jul	16.7	
Yield: l/day	4	Sep	17.1	
Map No. 1626D3	5	Oct	17.1	
Elevation: 1285 m	6	Nov	17.2	
Grid Ref.: N=8124Km250m E=461Km100m	7	95Feb	17.2	
	8	Mar	17.0	
Maximum Groundwater Level Fluctuation(m) 1.3				<p>Groundwater Level (m) Well No.S-10A</p>
Province: Southern	Aquifer: Gneiss			
District: Kakomo	No.	Month	G.W.L.(GL-m)	
Site Name: Zimba Cathlics	1	94May	3.1	
Diameter: 1100 mm	2	Jun	2.0	
Depth: 7.9 m	3	Jul	2.9	
Yield: l/day	4	Sep	2.6	
Map No. 1726A3	5	Oct	3.2	
Elevation: 1240 m	6	Nov	3.3	
Grid Ref.: N=8085Km50m E=414Km800m	7	95Feb	2.9	
	8	Mar	3.1	
Maximum Groundwater Level Fluctuation(m) 1.3				<p>Groundwater Level (m) Well No.S-10B</p>
Province: Southern	Aquifer: Gneiss			
District: Kakomo	No.	Month	G.W.L.(GL-m)	
Site Name: Mrs.Sianga	1	94May	7.1	
Diameter: 900 mm	2	Jun	7.6	
Depth: m	3	Jul	7.5	
Yield: l/day	4	Sep	7.5	
Map No. 1726A3	5	Oct	7.0	
Elevation: 1233 m	6	Nov	7.5	
Grid Ref.: N=8085Km900m E=411Km550m	7	95Feb	9.0	
	8	Mar	Dry	
Maximum Groundwater Level Fluctuation(m) 2.0				

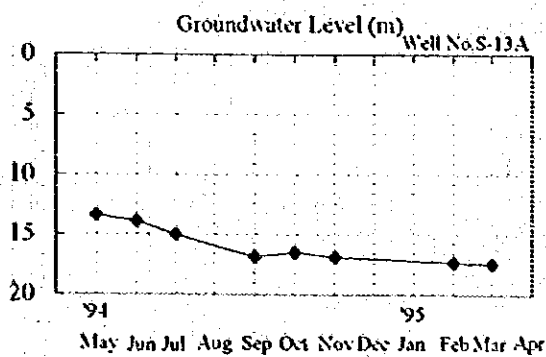
Appendix 6(9) Result of Observation

Province: Southern	Aquifer: Sand		
District: Kakomo			
Site Name: P.Nyambe Vil.	No.	Month	G.W.L.(GL-m)
	1	'94May	20.3
Diameter: 1000 mm	2	Jun	20.3
Depth: 20.6 m	3	Jul	20.5
Yield: 15000 l/day	4	Sep	20.4
Map No. 1725D3	5	Oct	20.4
Elevation: 946 m	6	Nov	20.4
Grid Ref.: N=8032Km350m E=357Km500m	7	'95Feb	20.4
	8	Mar	Dry
Maximum Groundwater Level Fluctuation(m) 0.2			
Province: Southern	Aquifer: Sand		
District: Kakomo			
Site Name: Silibana Vil.	No.	Month	G.W.L.(GL-m)
	1	'94May	11.8
Diameter: 1100 mm	2	Jun	12.2
Depth: 12.9 m	3	Jul	12.0
Yield: l/day	4	Sep	12.0
Map No. 1725D3	5	Oct	12.2
Elevation: 948 m	6	Nov	12.3
Grid Ref.: N=8032Km500m E=356Km600m	7	'95Feb	12.2
	8	Mar	12.3
Maximum Groundwater Level Fluctuation(m) 0.5			
Province: Southern	Aquifer: Basalt		
District: Kakomo			
Site Name: Senkobo Quarey	No.	Month	G.W.L.(GL-m)
	1	'94May	13.3
Diameter: 1100 mm	2	Jun	14.4
Depth: 16.2 m	3	Jul	14.5
Yield: l/day	4	Sep	14.9
Map No. 1725D2	5	Oct	14.9
Elevation: 1105 m	6	Nov	15.1
Grid Ref.: N=8051Km250m E=387Km500m	7	'95Feb	15.3
	8	Mar	15.5
Maximum Groundwater Level Fluctuation(m) 2.2			
Province: Southern	Aquifer: Basalt		
District: Kakomo			
Site Name: Sheleni Vil.	No.	Month	G.W.L.(GL-m)
	1	'94May	6.2
Diameter: 1200 mm	2	Jun	7.7
Depth: 9.16 m	3	Jul	7.7
Yield: l/day	4	Sep	8.2
Map No. 1725D2	5	Oct	7.6
Elevation: 1087 m	6	Nov	8.0
Grid Ref.: N=8052Km500m E=387Km300m	7	'95Feb	7.5
	8	Mar	8.0
Maximum Groundwater Level Fluctuation(m) 2.0			

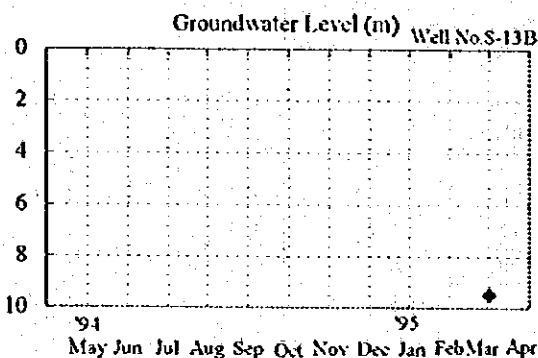


Appendix 6(10) Result of Observation

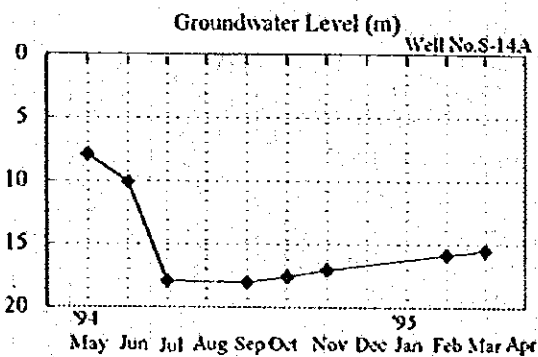
Province: Southern	Aquifer: Granite		
District: Kakomo			
Site Name: Green View Farm	No.	Month	G.W.L.(GL-m)
	1	94May	13.4
Diameter: 1200 mm	2	Jun	13.9
Depth: 18.7 m	3	Jul	15.0
Yield: l/day	4	Sep	16.9
Map No. 1726B3	5	Oct	16.5
Elevation: 1308 m	6	Nov	16.9
Grid Ref.: N=8976Km550m	7	95Feb	17.3
E=463Km550m	8	Mar	17.4



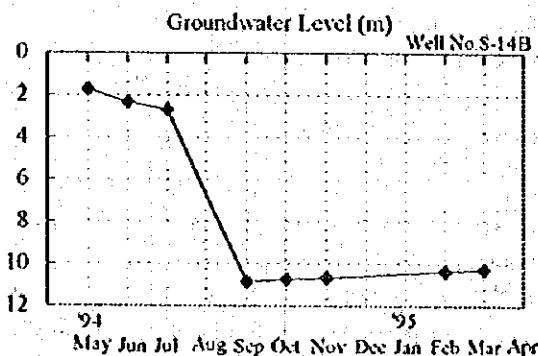
Maximum Groundwater Level Fluctuation(m) 4.0			
Province: Southern	Aquifer: Granite		
District: Kakomo			
Site Name: Luyala Farm	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: 2240 mm	2	Jun	
Depth: 14.2 m	3	Jul	
Yield: l/day	4	Sep	
Map No. 1726B3	5	Oct	
Elevation: 1297 m	6	Nov	
Grid Ref.: N=8055Km700m	7	95Feb	
E=465Km550m	8	Mar	9.5



Maximum Groundwater Level Fluctuation(m) 0.0			
Province: Southern	Aquifer: Granite		
District: Choma			
Site Name: Mbabala Orc.	No.	Month	G.W.L.(GL-m)
	1	94May	7.9
Diameter: 1100 mm	2	Jun	10.1
Depth: 20.04 m	3	Jul	17.9
Yield: l/day	4	Sep	18.0
Map No. 1626D2	5	Oct	17.6
Elevation: 1193 m	6	Nov	17.0
Grid Ref.: N=8169Km50m	7	95Feb	15.8
E=495Km300m	8	Mar	15.5

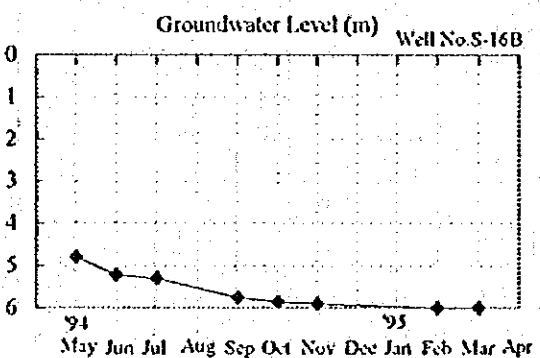
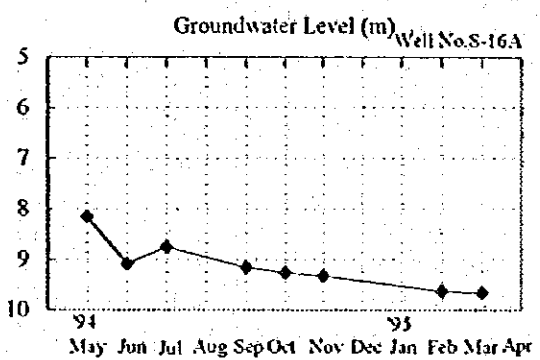
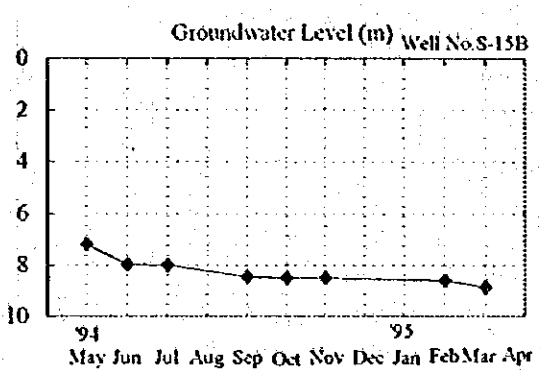
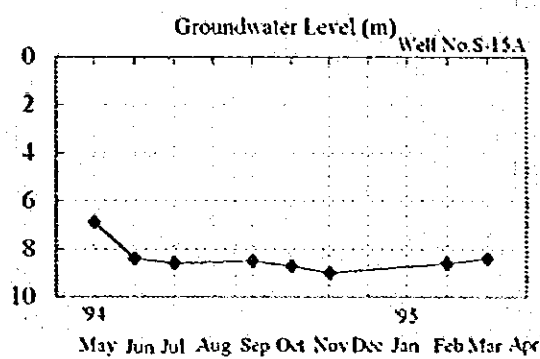


Maximum Groundwater Level Fluctuation(m) 10.1			
Province: Southern	Aquifer: Granite		
District: Choma			
Site Name: Mbabala	No.	Month	G.W.L.(GL-m)
	1	94May	1.8
Diameter: 1150 mm	2	Jun	2.3
Depth: 11.35 m	3	Jul	2.7
Yield: l/day	4	Sep	10.9
Map No. 1636D2	5	Oct	10.7
Elevation: 1191 m	6	Nov	10.7
Grid Ref.: N=8169Km0	7	95Feb	10.3
E=496Km0m	8	Mar	10.3



Appendix 6(11) Result of Observation

Province: Southern	Aquifer: Alluvium		
District: Namwala			
Site Name:	No.	Month	G.W.L.(GL-m)
Chitonga Coop.	1	94May	6.9
Diameter: 1500 mm	2	Jun	8.4
Depth: 8.5 m	3	Jul	8.6
Yield: l/day	4	Sep	8.5
Map No. 1626B2	5	Oct	8.7
Elevation: 1013 m	6	Nov	9
Grid Ref.: N=8227Km0m E=493Km250m	7	95Feb	8.6
	8	Mar	8.4
Maximum Groundwater Level Fluctuation(m) 2.1			
Province: Southern	Aquifer: Alluvium		
District: Namwala			
Site Name:	No.	Month	G.W.L.(GL-m)
Chitonga Comp.	1	94May	7.2
Diameter: 1100 mm	2	Jun	7.98
Depth: 8.4 m	3	Jul	8
Yield: l/day	4	Sep	8.45
Map No. 1626B2	5	Oct	8.5
Elevation: 1014 m	6	Nov	8.5
Grid Ref.: N=8227Km50m E=493Km0m	7	95Feb	8.6
	8	Mar	8.85
Maximum Groundwater Level Fluctuation(m) 1.65			
Province: Southern	Aquifer: Sand		
District: Namwala			
Site Name:	No.	Month	G.W.L.(GL-m)
Kalunda P.Sch.	1	94May	8.16
Diameter: 1300 mm	2	Jun	9.09
Depth: m	3	Jul	8.76
Yield: l/day	4	Sep	9.16
Map No. 1526C4	5	Oct	9.26
Elevation: 995 m	6	Nov	9.32
Grid Ref.: N=8257Km690m E=435Km900m	7	95Feb	9.63
	8	Mar	9.66
Maximum Groundwater Level Fluctuation(m) 1.5			
Province: Southern	Aquifer: Sand		
District: Choma			
Site Name: Namwala	No.	Month	G.W.L.(GL-m)
	1	94May	4.8
Diameter: 1300 mm	2	Jun	5.22
Depth: m	3	Jul	5.3
Yield: l/day	4	Sep	5.75
Map No. 1526C4	5	Oct	5.85
Elevation: 1009 m	6	Nov	5.9
Grid Ref.:	7	95Feb	6
	8	Mar	6
Maximum Groundwater Level Fluctuation(m) 1.2			

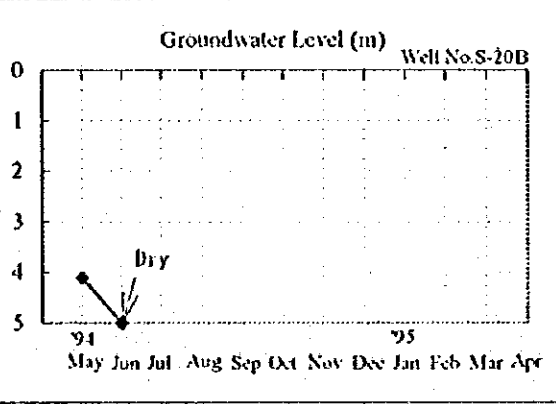
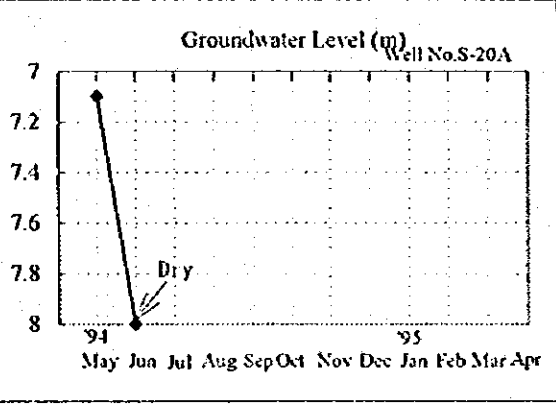
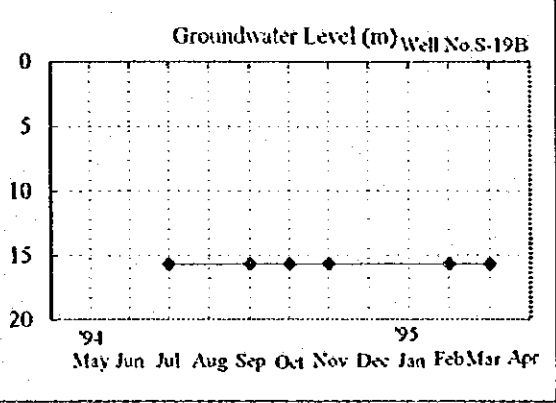
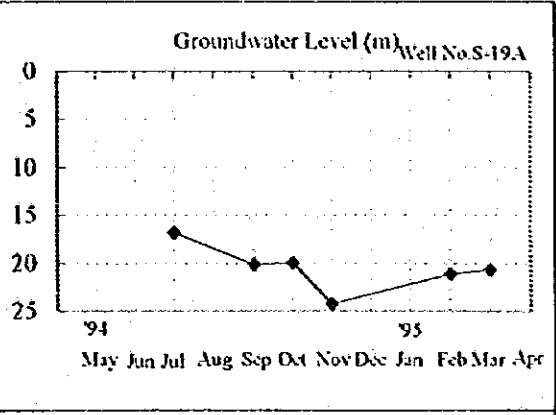


Appendix 6(12) Result of Observation

Province: Southern		Aquifer: Igneous		<p align="center">Groundwater Level (m) Well No.S-17A</p>			
District: Mazabuka		No.	Month			G.W.L.(GL-m)	
Site Name: Nanbuba Vil.		1	94May				
Diameter: 1200 mm		2	Jun				
Depth: m		3	Jul			5.8	
Yield: 10000 l/day		4	Sep			5.6	
Map No. 1528C4		5	Oct			5.8	
Elevation: 1005 m		6	Nov			Dry	
Grid Ref.: N=8245Km350m E=637Km350m		7	95Feb			5.7	
		8	Mar	8.7			
Maximum Groundwater Level Fluctuation(m) 3.1							
Province: Southern		Aquifer: Igneous		<p align="center">Groundwater Level (m) Well No.S-17B</p>			
District: Mazabuka		No.	Month			G.W.L.(GL-m)	
Site Name: Nanbuba Vil.		1	94May				
Diameter: 1200 mm		2	Jun				
Depth: m		3	Jul			5.8	
Yield: 5000 l/day		4	Sep			5.8	
Map No. 1528C4		5	Oct			5.8	
Elevation: 309 m		6	Nov			5.8	
Grid Ref.: N=8244Km400m E=639Km300m		7	95Feb			5.7	
		8	Mar	5.8			
Maximum Groundwater Level Fluctuation(m) 0.1							
Province: Southern		Aquifer: Gneiss		<p align="center">Groundwater Level (m) Well No.S-18A</p>			
District: Kalomo		No.	Month			G.W.L.(GL-m)	
Site Name: Mafwafwa Vil.		1	94May				
Diameter: 1400 mm		2	Jun				
Depth: 8.7 m		3	Jul			8.7	
Yield: l/day		4	Sep			9.5	
Map No. 1626C4		5	Oct			9.4	
Elevation: 1257 m		6	Nov			10.1	
Grid Ref.: N=8132Km0m E=439Km550m		7	95Feb			8.5	
		8	Mar	8.2			
Maximum Groundwater Level Fluctuation(m) 2.0							
Province: Southern		Aquifer: Gneiss		<p align="center">Groundwater Level (m) Well No.S-18B</p>			
District: Kalomo		No.	Month			G.W.L.(GL-m)	
Site Name: Simalele Vil.		1	94May				
Diameter: 1100 mm		2	Jun				
Depth: 12.8 m		3	Jul			11.7	
Yield: l/day		4	Sep			11.5	
Map No. 1626C4		5	Oct			11.5	
Elevation: 1257 m		6	Nov			11.4	
Grid Ref.: N=8133Km400m E=439Km100m		7	95Feb			2.9	
		8	Mar	2.5			
Maximum Groundwater Level Fluctuation(m) 9.2							

Appendix 6(13) Result of Observation

Province: Southern	Aquifer: Sand		
District: Namwala			
Site Name: Chiinyemu Vil.	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: 1200 mm	2	Jun	
Depth: 24.8 m	3	Jul	16.8
Yield: l/day	4	Sep	20.2
Map No. 1526D3	5	Oct	20.0
Elevation: 1042 m	6	Nov	24.2
Grid Ref.: N=8250Km270m E=450Km100m	7	95Feb	21.1
	8	Mar	20.7
Maximum Groundwater Level Fluctuation(m) 7.4			
Province: Southern	Aquifer: Sand		
District: Namwala			
Site Name: Naminwe Vil.	No.	Month	G.W.L.(GL-m)
	1	94May	
Diameter: 1300 mm	2	Jun	
Depth: 15.75 m	3	Jul	15.7
Yield: l/day	4	Sep	15.7
Map No. 1526D3	5	Oct	15.7
Elevation: 1030 m	6	Nov	15.7
Grid Ref.: N=8250Km50m E=453Km750m	7	95Feb	15.7
	8	Mar	15.7
Maximum Groundwater Level Fluctuation(m) 0.0			
Province: Southern	Aquifer:		
District:			
Site Name:	No.	Month	G.W.L.(GL-m)
	1	94May	7.1
Diameter: mm	2	Jun	Dry
Depth: m	3	Jul	
Yield: l/day	4	Sep	
Map No.	5	Oct	
Elevation: m	6	Nov	
Grid Ref.:	7	95Feb	
	8	Mar	
Maximum Groundwater Level Fluctuation(m)			
Province: Southern	Aquifer:		
District:			
Site Name:	No.	Month	G.W.L.(GL-m)
	1	94May	4.1
Diameter: mm	2	Jun	Dry
Depth: m	3	Jul	
Yield: l/day	4	Sep	
Map No.	5	Oct	
Elevation: m	6	Nov	
Grid Ref.:	7	95Feb	
	8	Mar	
Maximum Groundwater Level Fluctuation(m)			



Appendix 7

Observation Result in Luapula Province

Appendix 7 (1) List of Observation Points

< Luapula Province >

Point No.	Well No.	Geology	Elevation (m)	District	Site Name
LU - 1	A	Granite	1220	Mansa	Kaole P.Sch. Sumbu Vil.
	B	Granite	1219		
LU - 2	A	Granite	1089	Mansa	Tomas Vil. Milambo Pol.
	B	Granite	1118		
LU - 3	A	Shale	1262	Kawambwa	Poto Vil. Kambile Vil.
	B	Shale			
LU - 4	A	Quartzite	942	Nchelenge	Kampampi Sch. Kampampi Vil.
	B	Quartzite	940		
LU - 5	A	Shale	1247	Mwense	Mwenda Rhc. Mwenda Sch.
	B	Shale	1240		
LU - 6	A	Granite	942	Mwense	Nkomba Vil. Kabundafyela Sch.
	B	Granite			
LU - 7	A	Alluvium		Samfya	Kalasa Patimule
	B	Alluvium			
LU - 8	A	Alluvium		Samfya	Kabanga Sch. Samfya Sch.
	B	Alluvium			
LU - 9	A	Granite	1358	Mansa	Kundanifumu Sch. Kundanifumu Sch.
	B	Granite	1355		
LU - 10	A	Quartzite	1057	Mansa	Chembe Ous. Chembe Sch.
	B	Quartzite	1077		
LU - 11	A	Granite	1213	Mansa	Chofoshi Sch. Fiyongoli
	B	Granite	1206		
LU - 12	A	Alluvium	1207	Kawambwa	Mushota Sch. Mushota Sch.
	B	Alluvium	1201		
LU - 13	A	Quartzite	1067	Mansa	Mambilima Rhc.
LU - 14	A	Gneiss	966	Mansa	Kaseke Sch. Kaseke Vil.
	B	Gneiss	964		