

TABLE 7 YEARLY EVAPORATION AT SELECTED STATIONS

Note: - : Not Available
* : Intermittent

HA	Station	SHA	Yearly Evaporation (mm)																				
			1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
I	Gusau Aerodrome	1040	4,313	4,202	4,076	4,509	4,130	3,923	3,927	3,998	3,324	3,318	3,580	3,451	*	*	3,768	3,970	-	-	-	-	
	Sokoto Aerodrome	1042	*	*	5,116	5,291	4,743	4,440	*	*	-	-	-	-	-	-	-	-	-	-	-	-	
	Kainji Dam	1113	-	*	-	*	*	*	*	1,711	1,791	1,872	1,880	2,007	1,957	2,257	2,056	2,012	1,930	2,006	1,872	1,947	
II	Offa Water Works	2040	2,370	2,712	3,509	5,230	4,265	4,426	3,090	3,624	*	3,420	3,914	*	*	*	*	*	*	*	3,188	*	
	Egudu	2040	2,740	2,529	2,431	3,374	3,518	4,734	4,513	*	4,839	4,722	4,094	*	2,650	2,647	3,309	2,928	2,870	3,025	2,920	3,058	
	Bactia Sugar Company	2051	2,116	2,150	2,103	2,181	2,045	2,144	2,073	2,155	2,005	2,029	2,220	2,266	2,167	2,343	2,200	2,189	*	2,253	2,169	2,126	
	Zaria Town		-	-	-	-	*	3,103	3,006	3,060	3,068	3,185	3,274	-	-	-	-	-	-	-	-	-	2,725
	Kaduna South	2122	-	-	2,229	2,184	2,359	2,903	3,005	3,060	2,219	2,229	2,122	-	-	-	-	-	-	-	-	-	-
	Kafanchan Town	2161	-	-	-	-	2,936	2,503	2,209	2,680	*	2,343	2,603	-	-	-	-	-	-	-	-	-	-
	Shiroro Power Station	2132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,937	2,898	2,454	2,887	2,688	2,655	
III	Yola	3021	-	-	-	-	-	-	-	-	-	-	-	-	*	2,347	2,308	2,242	2,492	*	-	-	
	Dadinkowa	3052	-	-	-	-	-	-	-	-	-	-	-	-	-	2,286	1,947	2,147	2,065	2,180	2,629	2,576	
	Gembu	3122	-	-	-	-	-	-	-	-	-	-	-	*	1,375	1,637	1,708	1,562	1,563	1,750	*	-	
	Gassol (UBRBDA)	3123	-	-	-	-	-	-	-	-	-	-	-	*	2,848	2,760	2,586	2,555	2,449	2,415	*	-	
	Donga (UBRBDA)	3122	-	-	-	-	-	-	-	-	-	-	-	*	2,298	2,561	2,313	2,288	2,102	2,138	*	-	
IV	Jos University	4030	-	-	-	-	-	-	-	2,464	2,073	2,056	-	2,087	1,863	2,163	1,859	1,948	1,782	-	1,724	1,786	
	Lafia (PADP)	4072	-	-	-	-	-	-	-	-	-	-	-	1,595	1,469	2,036	1,661	1,624	1,542	1,681	1,295	805	
V	Lokaja	5011	-	-	-	-	-	-	-	-	-	-	-	-	2,192	2,621	2,492	2,454	2,282	2,419	2,305	2,376	
VI	Ikeja Met.	6032	-	-	-	-	-	-	-	-	-	2,032	2,256	1,964	1,929	*	*	2,264	*	2,064	*	-	
	Sepeteri	6022	-	-	-	-	-	-	-	-	-	-	1,502	1,907	1,548	1,823	1,656	1,660	1,611	-	-	-	
	Oshogo Met.	6051	-	-	-	-	-	-	-	-	-	1,033	1,092	1,262	1,616	1,298	1,410	1,222	1,261	1,145	1,420		
	Akure Met.	6080	-	-	-	-	-	-	-	-	-	*	997	1,049	1,348	1,079	1,115	1,059	1,298	1,255	1,497		
	Benin City	6100	-	-	-	-	-	-	-	*	1,685	1,646	1,705	*	*	1,865	*	1,501	*	*	*	*	
VII	Calabar	7072	-	-	-	-	-	-	-	-	-	-	-	1,396	*	1,837	*	-	*	*	*	*	
	Enugu	7032	-	-	-	-	-	-	-	-	*	2,121	2,336	2,205	*	2,135	1,917	2,086	*	2,312	2,182		
	Ogoja	7021	-	-	-	-	-	-	-	-	-	-	-	*	*	1,950	1,937	1,806	1,964	1,836	*		
VIII	Kano Met.	8024	3,644	3,807	4,607	4,741	*	*	*	*	-	-	*	5,042	*	*	*	5,622	*	5,796	-	-	
	Nguru Met.	8082	4,052	3,556	3,841	4,242	4,220	3,866	3,751	4,020	3,605	*	*	*	*	4,549	4,791	4,870	4,631	4,661	4,287	-	

TABLE 8 MEAN MONTHLY EVAPORATION

IIA	Station	SHA	Coordinate		Mean Monthly Evaporation in the 1980's (mm)												
			Lat.	Long.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
I	Gusan Kainji Dam	1040	12°10'	6°42'	460	495	437	452	308	211	121	90	86	201	346	421	3,628
		1113	10°10'	4°38'	206	231	278	245	181	126	99	88	81	138	156	163	1,992
II	Offa Water Works Bactia Sugar Company Shiroro Power Station	2040	8°12'	4°47'	286	491	415	447	473	315	367	316	368	364	279	370	4,491
		2051	9°05'	4°57'	192	225	278	253	198	155	147	135	137	157	162	167	2,206
		2132	9°59'	6°43'	299	322	300	257	218	163	165	153	192	183	227	274	2,753
III	Yola Dadinkowa Gembu Gassol Donga	3021	9°18'	12°33'	222	245	258	276	235	159	139	129	130	167	190	209	2,359
		3052	10°18'	11°31'	196	217	270	270	250	204	151	126	121	140	158	169	2,272
		3122	6°41'	11°17'	161	157	190	145	132	113	102	101	99	122	121	138	1,581
		3123	8°31'	10°28'	295	294	327	286	230	161	141	142	145	162	192	240	2,615
		3122	7°43'	10°05'	245	251	269	260	193	148	136	128	137	145	161	186	2,259
IV	Jos University Lafia (PADP)	4030	9°52'	8°55'	183	225	253	183	148	119	92	94	97	143	177	188	1,902
		4072	8°30'	8°30'	194	203	213	181	112	78	63	61	58	74	114	171	1,522
V	Lokoja	5011	7°47'	6°44'	219	250	283	267	211	179	155	151	152	181	200	199	2,447
VI	Ikeja Met. Sepeteri Oshogbo Met. Akure Met. Benin City	6032	6°35'	3°20'	161	188	214	227	205	204	172	130	152	152	145	150	2,100
		6022	8°38'	3°39'	289	214	235	153	123	75	59	52	58	80	140	197	1,675
		6051	7°47'	4°29'	195	205	182	117	78	61	50	48	53	62	93	133	1,277
		6080	7°16'	5°13'	166	168	146	105	80	72	57	52	54	69	98	130	1,197
		6100	6°19'	5°36'	165	170	174	164	135	136	119	113	118	141	158	178	1,771
VII	Calabar Enugu Ogoja	7072	4°58'	8°21'	171	187	178	155	136	110	101	97	119	126	134	148	1,662
		7032	6°28'	7°33'	272	242	240	206	177	140	128	125	130	154	178	213	2,205
		7021	6°40'	8°48'	216	205	211	188	146	134	115	123	123	142	146	170	1,919
VIII	Kano Nguru	8024	12°03'	8°32'	481	467	487	602	444	364	333	364	310	466	491	412	5,221
		8082	10°53'	10°28'	364	372	432	444	437	379	317	310	294	370	388	364	4,471

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (2/13)

No.	State/L.G.A	G	No. of Wells		Depth of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump Hand Mechanical			
					>151	101~150	51~100	50>	un-known	>31	11~30	10>	un-known		>101	51~100	50>
500	Ondo/																
	Ijoro	B	15				15							15			15
	Ifesowapo	B	18				18							18			18
	Ekiti	B	11				11							11			11
	Ero	B	10				10							10			10
	Ekiti C	B	13				13							13			13
1	Ado-Ekiti	B	33				33							33			33
2	Akoko N	B	19				19							19			19
3	Akoko S	B	16				16							16			16
4	Akure	B	59				59							59			59
5	Ekiti E	B	20				20							20			20
6	Ekiti S.W	B	14				14							14			14
7	Ekiti W	B	16				16							16			16
9	Ido/Osi	B	17				17							17			17
11	Ijoro	B	23				23							23			23
13	Ikere	B	10				10							10			10
14	Ikore-Ekiti	B	24	5			19							5			19
15	Ijafe/Esc.O	B	13	5			8							5			8
16	Irepodun/I	B	21				21							21			21
17	Isokan	B	22				22							22			22
18	Moba	B	16				16							16			16
19	Ondo	B	48				48							48			48
20	Ose	B+S	8				8							8			8
21	Owo	B	52	3			49			3				49			49
22	Oye	B	24				24							24			24
25	Irele	B	4	4						4							4
	Total		526	17			509			12				509			513
	1400 Enugu/																
	Imo Shale	S	2	2						1				2			3
	Abakaliki	S															14
	Awgu	S	2		2											1	4
	Enugu N	S	12		1					11				12			4
	Enugu S	S	5		5									5		3	4
	Ezeagu	S	21	14	2	1				4	5	2		14	15		6
	Ezza	S															5
	Igbo-Etiki	S	18	16	2					11				7	10		3
	Igbo-eza N	S	11	11						9				2	10		1
	Igbo-eza S	S	3	3										3	3		
	Ikwo	S	1											1			10
	Ishielu	S															11
	Isi-Uzo	S	7	7										7	7		3
	Izzi	S															1
	Nkanu	S	3	3													5
	Nsukka	S	26	23	1	2				7				18	25		3
	Ohaukwn	S															5
	Oji-River	S	5	5										1	4		2
	Udi	S	24	18	6					8				16	22		
	Total		140	102	11	11	1	15	41	4	1	94	114	2	3	21	78

-:not available. * including dug wells with hand pump
G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (3/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)				Water Level(m)				Water Yield(l/min)				Pump Mechanical			
				>151		101~150		>31		11~30		>101		51~100			un-Known		
				151~	>151	101~	150	31	>31	11~	30	101	>101	51~	100				
700 Delta/																			
9 Oshimili	S		13	3	10										13		0	6	7
13 Warri N	Q		5		5										5		0	1	4
12 Warri S	Q		4		4										4		0		4
10 Sapele	Q		18		18										18		0	14	4
4 Ethiope E	Q		6		4										2		0	1	5
14 Ethiope W	Q		7		5										2		0	2	5
8 Okepe	Q		16		13										3		0	11	5
3 Burutu	Q		7		7										7			3	4
15 Adokwa E	Q		6		6										6			1	5
7 Neokwa W	Q		9		9										9			5	4
16 Ughelli S	Q		13		13										13			5	8
11 Ughelli N	Q		16		16										16			9	7
6 Isoko S	Q		9		9										9			3	6
19 Isoko N	Q		11		11										11			4	7
18 Aniocha N	S		7		7										7			2	5
1 Aniocha S	Q		7		4										3			3	4
5 Ika S	Q		7		7										7			3	4
2 Bomadi	Q		9		4										4			5	4
Total			170	24	26	120				21	21	122	6		41	129		78	92
600 Edo/																			
5 Oredo	Q		35	7	28					30	5				35				35
3 Etsako W	S		7	5	2					5	2				7			1	6
7 Uhunmwonde	Q		12	8	4					7	5				8	4		2	10
6 Orhionmwon	S		21	19	2					15	6				19	2		2	19
8 Ovia SW	Q		5		5													2	3
12 Esan NE	S		1	1						1					1				1
10 Owan W	S		9	8	1					5	2	1	1		8	1			9
9 Owan E	B+S		7	6	1					6	1				6	1			7
2 Akoko-Edo	B		6		6					5	1				6				6
Total			103	54	43	6				74	22	6	1		84	19		7	96
400 Osun/																			
19 Odo-Otin	B		72		1	71						71	1			72		69	2
28 Osogbo	B		28			28						28				28		27	1
10 Ife-North	B		63		9	44	10					45	18			53	10	44	
11 Ife-South	B		43			43						43			1	42		33	4
14 Ifesha	B		53		1	35	17					35	18			36	17	36	4
5 Ede	B		40			39						40				40		37	3
7 Ejigbo	B		63		2	41	20					42	21			43	19	56	7
9 Ife-Central	B		32			12	20					12	20		5	12	2	30	2
8 Ifelodun	B		35		2	33						35				35		30	2
17 Iwo	B		48		2	41	5					43	5		2	43	3	44	2
18 Obokun	B		33		3	30						30	3		1	31		29	4
20 Ola-Oluwa	B		64		8	56						61	3		1	63		31	1
12 Ila	B		49		1	30	18					31	18		1	31	17	31	4
16 Irepodun	B		40		1	39						39	1			40		39	1
15 Irewole	B		60		1	32	27					32	28		1	32	27	55	5
21 Olorunda	B		33			33						33				33		33	
22 Oriade	B		29			29						29				29		29	
2 Ayedire	B		37		1	36						36				37		36	1
3 Atakunmosa	B		41		2	39						39	2			41		35	6
1 Ayedade	B		37			37						36				37		37	
4 Boripe	B		51			51						51			1	50		50	1
13 Ifedayo	B		19			14						16	3			17		12	7
Total			970	2	38	813	117			74	22	6	1		141	19	845	95	823

_:not available. * including dug wells with hand pump

G:Geology. B:Basement Complex. S:Sedimentary Formation. Q:Quaternary Sediments. CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (4/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)				Water Level(m)				Water Yield(l/min)				Pump Mechanical	
				>151	101~150	51~100	50>	un-Known	>31	11~30	10>	un-Known	>101	51~100	50>		un-Known
800	Rivers																
1	Ahoada	Q	30	5	-	25	-	-	19	11	11	-	-	19	20	1	
2	Asari-toru	Q	6	-	3	2	1	-	4	2	3	-	-	3	-	2	
3	Banny	Q	3	2	1	-	-	-	3	-	3	-	-	-	18	-	
4	Brass	Q	24	5	6	11	1	1	3	8	13	12	-	12	7	4	
5	Ogbia	Q	15	-	1	10	2	2	-	-	15	-	-	15	-	2	
6	Degema	Q	10	4	2	3	1	-	-	5	5	-	-	5	-	2	
7	Etche	Q	18	3	3	12	-	-	7	3	8	10	-	8	-	5	
8	Tai/Elene	Q	11	4	-	7	-	-	-	4	7	4	-	7	-	2	
9	Ikwere	Q	17	6	-	9	2	-	11	2	4	6	-	11	-	3	
10	Khana	Q	22	4	-	17	1	-	8	5	9	4	-	18	-	5	
12	Objo/Akpor	Q	11	-	1	7	3	-	1	10	-	-	-	11	-	6	
13	Okrika	Q	14	5	1	7	-	1	-	-	14	7	-	7	5	1	
14	Port-Harcourt	Q	31	8	-	23	-	-	8	21	2	17	-	14	-	9	
15	Sagbana	Q	13	5	-	3	4	1	-	-	5	6	-	7	4	1	
16	Yenagoa	Q	30	3	3	23	1	-	1	-	13	13	-	17	26	3	
17	Ogba/E	Q	18	4	1	3	-	10	-	13	3	2	-	16	-	2	
18	Abual/O	Q	6	-	4	2	-	-	4	-	2	-	-	6	-	1	
19	S. Ijaw	Q	16	-	7	3	-	1	-	-	16	-	-	16	-	3	
20	Akukhutoru	Q	3	-	2	1	-	-	3	-	0	-	-	3	-	3	
21	Ekeremor	Q	1	-	-	-	-	1	-	-	1	-	-	1	-	1	
22	Emuoha	Q	4	-	-	4	-	-	2	-	2	2	-	2	-	2	
23	Andno/Opobo	Q	3	-	-	-	1	2	-	-	3	-	-	3	-	2	
24	Gokana	Q	1	-	-	-	-	1	-	-	1	-	-	1	-	1	
	Total		307	58	28	180	20	21	1	60	108	138	105	202	80	61	
900	Akwa Ibom																
1	Abak	Q	9	1	2	5	-	1	1	7	-	1	8	1	22	-	
2	Eket	Q	28	4	1	7	16	-	2	23	3	25	-	3	96	-	
5	Etinam	Q	10	2	3	5	-	-	3	2	5	4	-	6	16	-	
6	Ikono	S	14	3	6	5	-	-	8	1	-	5	-	8	3	-	
7	Ikot-Abasi	Q	21	-	3	7	11	-	-	14	5	2	-	18	3	-	
8	Ikot-Ekpene	Q	41	4	10	21	4	2	25	8	-	3	8	33	8	-	
9	Itu	S	15	2	9	4	-	-	12	-	-	3	4	11	-	-	
11	Nkpat-Enin	Q	4	-	-	-	-	4	-	4	-	0	-	4	-	-	
14	Onna	Q	1	-	-	-	-	1	-	-	-	1	-	1	-	-	
15	Oron	Q	27	4	19	4	-	-	17	6	-	4	15	2	10	23	14
16	Oruk-Anam	Q	3	-	-	-	-	3	-	-	-	3	-	3	-	-	
17	Ukanafun	Q	21	1	4	11	4	1	-	16	2	3	3	18	-	-	
18	Iquo-Ibeno	Q	3	-	-	-	-	3	-	3	-	-	-	3	-	-	
19	Iruan	Q	3	-	-	-	-	3	-	-	-	3	2	1	-	-	
20	Iyo	Q	13	2	10	1	-	-	2	3	-	8	6	7	-	-	
21	Etim ekpo	Q	2	-	-	-	-	2	-	-	-	2	-	2	-	-	
	Total		215	23	67	70	35	20	65	67	32	51	84	129	171	14	

-:not available. * including dug wells with hand pump
G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (5/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump					
				>151	101~150	51~100	>31	11~30	10~30	>101	51~100	50~100	un-Known	Hand	Mechanical			
1100	Imo/	Q	14	-	8	6	-	11	8	-	-	14	-	-	2	6		
1	Aboh-Mbaise	Q	13	9	4	-	-	6	7	-	-	13	-	-	2	5		
2	Ahiazu-Mbaise	S	4	-	4	-	-	4	2	-	-	4	-	-	21	1		
3	Ehime-Mbano	Q	6	-	4	2	-	4	2	-	-	6	-	-	-	6		
4	Ezinihitte	S	9	9	-	-	-	9	-	-	-	9	-	-	-	4		
5	Ideato N	S	8	3	3	2	-	3	5	-	-	7	-	1	1	3		
6	Ihitte/Uboma	Q	11	4	4	3	-	11	-	-	11	-	-	4	4	4		
7	Ikeduru	S	10	-	5	5	-	10	-	-	10	-	-	1	1	4		
8	Isiala-Mbano	S	8	3	5	-	-	8	-	-	7	1	-	-	-	3		
9	Isu	Q	6	1	2	3	-	5	1	-	5	1	-	4	4	3		
10	Mbaitoli	Q	9	1	3	5	-	6	3	-	6	3	-	41	6	6		
11	Ngor-Okpala	S	5	2	3	-	-	4	1	-	5	-	-	2	2	2		
12	Nkwere	S	8	3	2	3	-	8	-	-	8	-	-	1	1	2		
13	Obowo	Q	6	-	-	6	-	-	4	2	-	6	-	-	196	3		
14	Ohaji/Egena	S	4	2	1	1	-	3	-	-	3	1	-	1	1	-		
15	Okigwe	S	10	-	10	-	-	10	-	-	10	-	-	-	1	2		
16	Orlu	Q	18	2	10	6	-	16	2	-	18	-	-	4	4	8		
17	Oru	Q	17	3	1	9	4	13	-	-	12	-	-	5	82	3		
18	Owerri	Q	13	-	-	13	-	4	9	-	13	-	-	-	4	6		
19	Oguta	S	4	4	-	-	-	4	-	-	4	-	-	-	-	1		
20	Orsu	S	8	6	2	-	-	8	-	-	8	-	-	-	1	21		
21	Ideato S	S	191	52	71	64	4	147	37	3	4	179	6	6	368	93		
Total				191	52	71	64	147	37	3	4	179	6	6	368	93		
1300 Anambra/																		
1	Aguata	S	6	6	-	-	-	6	-	-	-	4	-	2	4	-		
2	Anambra	S	5	1	4	-	-	3	2	-	-	3	-	2	4	-		
3	Anaocha	S	13	13	-	-	-	13	-	-	10	-	-	3	1	-		
4	Awka S	S	3	3	-	-	-	2	1	-	2	-	-	1	6	-		
5	Idemili	S	17	17	-	-	-	17	-	-	8	-	-	9	2	-		
6	Ihiala	S	2	2	-	-	-	-	2	-	2	-	-	-	2	-		
7	Njikoka	S	11	11	-	-	-	11	-	-	7	-	-	4	6	-		
8	Ogbaru	S	15	12	-	-	1	10	1	-	4	11	-	4	3	-		
9	Ogbaru	S	3	1	2	-	-	-	3	-	3	-	-	-	5	-		
10	Onitsha N	S	15	8	4	3	-	6	3	-	6	9	-	6	-	-		
11	Onitsha S	S	1	1	-	-	-	1	-	-	1	-	-	-	-	-		
12	Orunba S	S	3	3	-	-	-	3	-	-	3	-	-	-	-	-		
13	Oyi	S	2	1	-	-	-	1	1	-	1	1	-	1	1	2		
14	Awka N	S	4	4	-	-	-	3	1	-	3	-	-	1	7	-		
15	Orunba n	S	3	1	-	-	-	2	1	-	2	1	-	2	-	-		
16	newi s	S	4	4	-	-	-	4	-	-	4	-	-	-	1	-		
Total				107	88	10	3	81	10	3	13	72	-	35	42	2		
1800 Kogi/																		
1	Ankpa	S	13	7	4	1	-	1	-	-	13	13	-	-	-	-		
2	Bassa	S	5	1	1	-	-	1	-	-	3	1	1	1	-	3		
3	Dekina	S	15	4	4	4	1	2	-	-	15	1	2	12	-	2		
4	Icrah	S	13	12	-	-	-	1	-	-	13	6	3	4	5	-		
5	Okehi	B	9	-	-	9	-	-	1	-	8	3	6	-	35	3		
6	Okene	B	11	-	-	9	2	-	1	8	1	5	3	2	1	21		
7	Oyi	B	12	-	11	-	1	-	1	-	11	8	2	1	-	-		
8	Ofe	S	3	-	-	-	-	3	-	-	3	-	-	3	-	-		
9	Yagba E	B	5	-	-	1	4	-	2	8	-	4	1	-	13	-		
10	Olamaboro	S	3	-	-	-	-	3	-	-	3	-	-	3	-	-		
11	Kogi	S	10	-	1	2	4	3	-	2	5	-	-	10	32	-		
12	Abavi	B	14	-	1	10	3	-	-	3	11	8	4	2	-	-		
15	Yagba W	B	2	-	-	-	2	-	-	2	-	2	-	-	10	-		
Total				113	24	22	36	17	14	4	5	18	86	51	22	5	35	
Total				113	24	22	36	17	14	4	5	18	86	51	22	5	35	116

--:not available. * including dug wells with hand pump

G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (6/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)					Water Level(m)			Water Yield(l/min)			Pump Hand Mechanical		
				>151	101~150	51~100	>50	un-known	>31	11~30	10~30	un-known	>101	51~100		50~100	un-known
1000	Cross River/																
1	Akankpa	B	4	-	4	-	-	-	3	-	1	-	3	-	-	1	31
2	Calabar	S	2	-	1	1	-	-	-	-	-	1	-	-	2	9	-
3	Ikem	S	3	-	-	-	-	3	-	-	-	3	-	-	3	-	-
4	Obubra	S	3	-	3	-	-	-	-	-	-	3	-	-	-	4	-
5	Obudu	B	2	-	-	2	-	-	-	-	-	1	-	2	-	45	-
6	Odukpani	S	6	-	6	-	-	-	2	-	3	-	2	-	4	29	-
7	Ogoja	B+S	4	-	-	2	-	2	-	-	-	1	-	1	3	103	-
8	Ugep S	B+S	3	-	1	2	-	-	-	-	-	2	-	2	1	37	-
9	Biase	B+S	1	-	-	-	-	-	-	-	-	1	-	-	1	1	-
10	Rokj	B	3	-	-	-	-	-	3	-	-	3	-	-	-	6	-
11	Nala	S	3	-	-	2	-	-	1	-	-	3	-	1	1	5	-
13	Akpabuyo	B	8	1	-	-	-	-	7	-	1	-	7	1	-	7	-
14	Ugep	S	9	-	-	-	-	-	9	-	7	2	-	-	1	8	7
	Total		51	1	15	9	-	26	4	11	20	16	14	5	2	30	277
1200	Abia/																
1	Aba N	Q	3	1	2	-	-	-	-	3	-	-	3	-	-	-	-
2	Aba S	Q	13	-	-	8	-	5	-	-	-	13	8	-	5	-	-
3	Afikpo	S	1	1	-	-	-	-	-	-	-	1	-	-	1	16	-
8	Isikwuato	S	4	-	1	-	-	3	3	1	-	-	2	1	-	-	-
9	Obioma Ngwa	Q	4	-	-	2	-	2	-	-	-	4	3	-	1	1	-
10	Ohafia	S	11	3	-	-	-	8	-	3	-	8	3	-	8	-	-
11	Ohaozara	S	1	1	-	-	-	-	-	-	1	-	1	-	-	118	-
12	Onicha	S	1	1	-	-	-	-	-	-	1	-	1	-	-	100	-
13	Ukwa W	Q	5	-	-	1	1	3	-	-	-	5	3	-	2	61	-
14	Umuhia	S	19	1	2	2	2	12	1	1	-	18	6	1	12	-	-
16	Ukwa E	Q	12	1	-	3	3	5	-	-	1	11	6	-	6	70	-
	Total		74	9	5	8	16	36	4	8	2	60	36	2	36	366	-

-:not available, * including dug wells with hand pump
G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (7/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump						
				>151	101~150	51~100	>31	11~30	10>	un-Known	>101	51~100		50>	un-Known	Hand	Mechanical		
1500 Sokoto/																			
1	Anka	B+S	182	-	1	31	150	-	1	113	50	18	20	22	140	-	178	4	
2	Bodinga	S	172	-	32	111	29	-	120	34	16	2	121	23	28	-	167	3	
3	Bungudu	B	8	-	1	1	-	6	-	-	-	8	-	-	1	7	3	2	
4	Dange Shuni	S	5	-	-	-	-	5	-	-	-	5	-	-	-	5	-	3	
5	Gada	S	3	1	1	-	-	1	-	1	-	2	1	-	-	2	2	1	
6	Goronyo	S	15	2	3	4	-	6	1	7	3	4	5	-	-	10	-	15	
7	Gunmi	B+S	151	2	3	19	125	2	8	76	65	2	78	16	56	1	-	-	
8	Bukkuyun	B	3	-	-	-	1	2	-	1	-	2	1	-	-	2	-	-	
9	Gusau	B	250	-	1	25	222	2	4	117	128	1	20	38	187	5	243	4	
10	Gwadawa	S	352	52	106	116	39	39	212	64	35	41	-	-	-	352	-	-	
11	Illele	S	3	-	2	1	-	-	-	3	-	-	2	-	1	-	1	2	
12	Isa	S	263	9	36	-	-	218	-	-	-	263	-	-	-	263	-	-	
13	Kaura Namoda	S	254	1	4	35	213	1	5	152	97	-	42	47	164	1	245	7	
14	Kware	B	2	-	-	-	1	1	-	-	1	1	-	-	-	2	2	-	
15	Maradun	S	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	Rabah	S	4	-	-	3	1	-	-	-	3	1	4	-	-	-	-	1	
17	Sabon Birni	S	3	3	-	-	-	-	-	2	1	-	2	-	-	1	-	2	
18	Sliame	S	188	-	12	90	60	26	29	65	43	51	162	-	-	26	152	3	
19	Sokoto	S	188	2	47	88	51	-	93	72	20	3	179	5	4	-	186	2	
20	Talata Mafara	B	214	1	2	49	146	16	21	189	37	17	72	34	88	20	198	9	
21	Tambwal	S	12	-	2	10	-	-	12	-	-	-	10	2	-	-	3	9	
22	Tangaza	S	4	1	-	1	2	-	-	2	2	-	-	-	2	2	2	1	
23	Tasafe	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
24	Wamakko	S	2	-	-	2	-	-	-	-	2	-	2	-	-	-	-	2	
25	Wurno	S	265	10	62	110	67	16	94	102	42	27	246	1	-	18	242	10	
26	Yabo	S	213	1	41	126	31	14	155	81	16	11	172	11	14	16	189	9	
27	Zurmi	B	3	-	-	1	-	2	-	-	3	-	-	3	-	-	2	1	
28	Binmi	S	2	-	-	1	1	-	-	-	-	2	2	-	-	-	-	2	
29	Bakura	S	3	-	1	2	-	-	-	3	-	-	3	-	-	-	3	-	
Total				2765	85	358	826	1140	356	755	984	565	461	1144	202	686	733	1819	93
1600 Kebbi/																			
1	Arewa	S	5	3	-	-	-	2	3	-	-	-	2	3	-	2	3	-	
2	Argungu	S	283	11	35	112	81	44	78	57	77	71	230	-	3	50	222	14	
3	Bagudo	S	166	2	1	20	106	37	5	92	65	4	112	2	3	49	154	3	
4	Birni-Kebbi	S	157	-	10	68	67	12	32	72	33	20	142	-	1	14	105	5	
5	Bunza	S	180	-	7	92	79	2	32	41	69	38	154	-	-	26	155	3	
6	Jega	S	156	-	19	92	40	5	72	58	15	11	152	-	3	1	154	-	
7	Maiyama	S	3	-	-	-	-	3	-	-	-	3	-	-	-	3	-	-	
8	Sakaba	B	1	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	
9	Wasagu	B	5	-	-	2	3	-	1	2	2	0	2	3	-	-	5	-	
10	Suru	S	186	-	1	24	157	4	6	72	100	8	181	-	3	2	34	5	
11	Yauri	S	138	1	-	17	103	17	5	32	90	11	122	-	4	12	133	1	
12	Suru	S	1	-	-	-	1	-	-	1	-	0	1	-	-	-	1	-	
13	Dandi	B+S	NR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	Ngaski	B	1	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	
15	Gwandu	S	4	-	-	4	-	-	-	3	-	-	4	-	-	-	4	-	
16	Kobo/Besse	B	6	-	-	1	5	-	-	6	-	-	6	-	-	-	6	-	
Total				1292	17	73	492	642	128	235	436	451	170	1109	5	17	161	976	61

-:not available. * including dug wells with hand pump

G:Geology. B:Basement Complex. S:Sedimentary Formation. Q:Quaternary Sediments. CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (8/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump Hand Mechanical					
				>151	101~150	51~100	>31	11~30	10~	>101	51~100	50~		un-Known				
2000	Niger/																	
1	Agacic	S	90	2	4	19	34	31	4	9	44	33	13	18	13	46	70	10
2	Chanchaga	B	264	-	-	26	211	23	7	9	131	117	9	3	62	190	285	5
3	Gbako	S	87	4	1	30	12	42	4	16	28	39	19	6	23	39	33	8
4	Lapai	S	172	2	-	19	92	60	5	15	83	69	24	3	28	117	107	11
5	Lavun	S	99	1	2	23	73	-	8	27	64	-	22	5	67	5	80	12
6	Magana	B+S	186	1	2	42	119	23	3	17	76	90	11	2	45	128	159	5
7	Mariga Jotangora	B	108	-	1	34	22	48	21	9	28	50	29	6	25	48	97	9
8	Rafi	B	115	3	1	15	32	67	5	4	40	66	11	10	29	65	92	15
9	Shiroro	B	44	-	1	7	5	4	-	-	12	32	5	4	3	32	37	7
10	Suleja	B	210	-	1	46	141	22	3	9	115	83	16	8	29	157	197	12
11	Wushishi	S	17	-	-	-	-	17	-	-	-	17	-	-	-	17	16	1
12	Rijau	B	35	-	-	4	-	31	-	1	3	31	2	2	-	31	20	4
13	Borgu	B	180	-	1	41	96	7	2	23	37	118	38	50	8	84	142	27
14	Agwara	B+S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Bida	B	35	-	-	4	30	1	-	3	31	1	2	3	28	2	27	7
16	Paikoro	B	94	-	-	19	74	1	-	12	69	13	12	5	76	1	16	-
17	Bosso	B	36	-	-	4	-	5	-	-	4	32	3	-	1	32	32	4
18	Gurara	B	8	-	-	4	-	4	-	-	4	4	4	-	-	4	4	4
19	Mokwa	S	9	-	1	6	2	-	3	2	4	-	6	2	1	-	-	9
	Total		1788	13	15	343	943	386	65	156	773	795	226	127	438	998	1364	150
2200	Kaduna/																	
1	Bimngwari	B	63	-	-	19	-	44	7	16	29	11	43	8	12	-	51	9
2	Chikun	B	73	-	-	24	40	9	6	9	45	13	46	1	26	-	71	2
3	Igabi	B	100	-	-	19	74	7	13	21	59	7	63	9	28	-	94	6
4	Ikara	B	171	-	-	29	112	30	20	34	85	32	106	15	50	-	144	28
5	Jama	B	67	-	-	9	53	5	2	8	41	16	51	5	11	-	61	6
6	Kachia	B	46	-	-	4	34	8	-	2	28	16	37	1	8	-	41	5
7	Kaduna	B	NR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Kaura	B	26	-	-	2	18	6	-	1	19	6	20	-	6	-	26	-
9	Kauru	B	31	-	-	13	10	45	8	7	8	8	15	8	7	1	17	13
10	Lere	B	73	-	-	6	54	13	13	26	20	14	42	15	16	-	36	37
11	Soda	B	68	-	-	4	64	-	-	5	63	-	68	-	-	-	68	-
12	Zangon-Katafu	B	56	-	-	13	33	10	3	4	26	23	1	13	41	1	22	2
13	Zaria	B	30	-	-	4	22	7	4	1	21	4	22	2	6	-	28	2
14	Makarfi	B	26	-	-	2	12	7	4	10	-	12	-	4	22	-	23	-
15	Sobon-Gari	B	10	-	-	5	3	2	6	2	-	2	-	3	7	-	6	4
16	Jaba	B	17	-	-	3	5	9	-	8	-	9	-	8	9	-	4	-
17	Giwa	B	29	-	-	14	8	7	13	16	-	-	2	6	21	-	-	-
18	Tudunwada/Makera	B	NR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		886	-	-	170	542	209	99	162	452	173	516	98	270	2	692	114
3100	F.C.T/																	
1	Abaji	B+S	3	1	1	1	-	-	1	1	1	-	-	3	-	-	-	-
2	Abuja Municipal	B+S	4	-	-	4	-	-	-	1	3	-	1	3	-	-	-	-
3	Gwagwalada	S	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-
4	Kuje	B	2	1	-	1	-	-	1	-	1	-	-	2	-	-	-	-
	Total		10	2	1	7	-	-	2	2	6	-	1	9	-	-	-	-

--not available, * including dug wells with hand pump
G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CP:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (9/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)				Water Level(m)				Water Yield(l/min)				Pump Hand Mechanical	
				>151	101~150	51~100	>50	>31	11~30	10>	un-Known	>101	51~100	50>	un-Known		
2300	Katsina	B	17	-	-	13	4	-	1	5	11	-	1	6	10	-	-
1	Bakari	B	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
2	Danja	B	7	-	-	1	3	3	-	1	3	3	4	-	-	3	4
3	Batsari	B	35	-	-	14	21	-	-	22	1	12	6	11	18	-	-
4	Bindawa	B	160	-	31	100	18	11	6	125	17	12	15	30	94	21	5
5	Daura	B+S	25	-	9	14	2	-	6	17	2	-	13	7	5	-	24
6	Mariaduwa	S	71	-	2	26	40	3	6	22	21	22	34	6	27	4	29
7	Dutsin-ma	B	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Kurfi	B	1	-	-	1	-	-	-	-	1	-	-	-	1	-	1
9	Faskari	B	68	-	-	35	28	5	-	31	37	-	1	4	63	-	2
10	Funtua	B	46	-	-	21	24	1	-	40	4	2	2	3	37	4	1
11	Ingawa	B	88	-	-	-	-	-	-	-	-	-	-	-	-	-	24
12	Jibiya	B	1	-	-	51	33	3	41	32	10	5	39	12	29	8	3
13	Kaita	S	1	-	-	1	-	-	-	1	-	-	-	1	-	-	1
14	Kankara	B	133	-	-	38	93	2	3	58	48	24	8	12	94	19	5
15	Kankiya	B	94	-	1	76	15	2	19	61	10	4	-	2	69	23	10
16	Katsina	S	3	-	-	-	-	-	-	-	-	-	-	-	-	-	12
17	Batagarawa	B+S	1	-	-	1	2	-	-	2	1	-	-	-	2	1	2
18	Malunfashi	B	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Kafur	B	149	-	-	20	63	1	1	56	9	18	6	8	48	22	82
20	Mani	B	1	-	-	86	60	3	58	71	7	18	36	25	73	15	4
21	Mashi	S	1	-	-	1	-	-	-	-	-	-	-	-	1	-	15
22	Musawa	B	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Matazu	B	9	-	-	31	42	4	4	42	26	7	3	8	59	9	5
24	Rimi	B	193	-	-	1	7	1	1	2	6	-	8	-	1	-	10
25	Safana	B	62	77	47	7	7	151	10	25	105	22	39	27	1	10	-
26	Zango	B	1265	-	108	609	502	46	149	740	224	152	281	158	670	156	189
	Total		543	10	11	181	301	90	7	15	93	428	122	82	37	302	260
1700	Kwara/																
1	Asa	B	115	-	-	22	39	4	-	2	9	104	14	7	10	84	84
2	Edu	B+S	108	8	8	32	49	11	6	3	10	89	36	34	7	31	65
3	Ifelodun	B	30	-	-	13	17	-	-	-	17	13	14	12	1	3	5
4	Irorin E	B	47	2	-	8	32	5	-	1	8	38	17	10	5	15	12
5	Irorin W	B	28	-	-	16	8	2	-	3	7	18	13	9	2	4	23
6	Irepodun	B	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Ekiti	B	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Kaiama	B	40	-	-	32	80	9	-	2	24	96	21	6	9	86	94
9	Moro	B	29	-	-	8	25	7	1	4	18	17	7	4	3	26	13
10	Oyun	B	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Baruten	B	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Offa	B	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		543	10	11	181	301	90	7	15	93	428	122	82	37	302	260

--not available. * including dug wells with hand pump
G:Geology. B:Basement Complex. S:Sedimentary Formation. Q:Quaternary Sediments. CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (10/13)

No.	State/L.G.A	G	No. of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump Hand Mechanical
			>150	101~150	51~100	50~	un-known	>101	51~100	50~	un-known	
2400	Taraba/											
3	Jalingo	B	30	8	22	-	5	25	-	30	-	8
6	Takum	B	25	5	20	-	-	25	-	25	-	25
7	Wukari	S	18	1	17	-	-	18	-	18	-	18
1	Bali	S	20	2	18	-	-	20	-	20	-	20
2	Gashaka	B	13	1	12	-	-	13	-	13	-	13
4	Karin/L	B	12	3	9	-	-	12	-	12	-	12
5	Sardauna	B	11	-	11	-	-	11	-	11	-	11
8	Yorro	B	8	2	6	-	-	8	-	8	-	8
9	Zing	B	10	-	10	-	-	10	-	10	-	10
10	Donga	S	17	3	13	1	-	17	-	17	-	17
11	Ibi	S	11	-	11	-	-	11	-	11	-	11
12	Lau	B+S	15	-	15	-	-	15	-	15	-	15
	Total		190	25	164	1	5	185	-	190	-	188
1900	Benue/											
2	Cboko	B+S	34	-	34	-	-	34	-	34	-	20
5	Katsina A	B	79	30	49	-	5	74	-	79	-	70
8	Makurdi	S	41	-	41	-	10	31	-	41	-	37
17	Gwer W	S	3	1	2	-	-	3	-	3	-	3
4	Gwer E	S	63	7	46	-	-	63	-	63	-	50
15	Apa	S	14	-	14	-	-	14	-	14	-	5
16	Bukuru	B	88	-	88	-	35	53	-	88	-	50
18	Ukun	B+S	22	-	17	-	-	22	-	22	-	22
12	Ushongo	B+S	97	3	40	49	6	27	64	97	-	70
7	Kwande	S	68	-	50	-	13	55	-	68	-	55
13	Vandeikya	B+S	63	-	58	-	2	61	-	63	-	56
3	Guma	S	38	-	35	-	-	38	-	38	-	30
	Total		610	3	483	-	6	92	512	610	-	468
2100	Plateau											
7	Jos N	B	75	-	75	-	-	75	-	75	-	60
10	Keffi	B	53	-	53	-	-	53	-	53	-	39
12	Lafia	B+S	34	-	34	-	-	34	-	34	-	34
1	Akwanga	B	41	-	41	-	-	41	-	41	-	30
2	Nasarawo/E	B	39	-	39	-	-	39	-	39	-	39
3	Awc	B	39	-	39	-	-	39	-	39	-	24
4	Barikin Ladi	B	84	-	84	-	-	84	-	84	-	84
16	Bokkos	B	28	-	28	-	-	28	-	28	-	28
23	Doma	S	47	-	47	-	15	32	-	47	-	47
9	Kanam	B+S	55	-	55	-	-	55	-	55	-	42
11	Karu	B	46	-	46	-	-	46	-	46	-	40
22	Wase	S	45	-	45	-	5	40	-	45	-	30
13	Obi	S	33	-	33	-	-	33	-	33	-	30
14	Lantang N	S	50	-	50	-	-	50	-	50	-	45
6	Lantang S	S	51	-	51	-	-	51	-	51	-	43
15	Mangu	B	137	-	137	-	-	137	-	137	-	90
2	Nasarawo E	B+S	69	-	69	-	8	61	-	69	-	42
18	Toto	B+S	34	-	34	-	5	29	-	34	-	28
19	Pankshin	B	130	-	130	-	10	120	-	130	-	85
20	Quan-Pan	B+S	73	-	73	-	15	58	-	73	-	65
21	Shendam	S	144	-	139	-	-	144	-	144	-	120
	Total		1307	-	1302	-	58	1249	-	1307	-	1045

:-not available, * including dug wells with hand pump
 G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (11/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)			Water Level(m)			Water Yield(l/min)				Pump Hand Mechanical					
				>151	101~150	51~100	>81	11~80	10~30	un-Known	>101	51~100	50~un-Known						
															50~un-Known				
2500	Adamawa																		
8	Michika	B	90	2	1	4	2	81	-	2	7	7	81	2	5	82	1	2	
9	Mubi	B	20	2	1	-	5	12	-	2	6	6	12	1	7	12	5	2	
15	Madagali	B	58	7	5	18	28	-	-	5	58	-	-	-	58	-	-	-	
10	Numan	S	14	-	-	1	13	-	-	1	13	-	-	-	14	-	40	5	
13	Yola	B+S	15	-	-	14	1	-	-	13	2	-	-	-	15	-	-	15	
11	Densa	S	15	-	3	10	2	-	-	1	13	1	-	-	15	-	12	1	
6	Maiha	B	19	-	2	5	12	-	-	-	19	-	-	-	19	-	15	-	
5	Hong	B	78	-	-	53	25	-	-	10	68	-	-	-	78	-	58	-	
3	Gombi	B	14	-	1	10	3	-	-	2	12	-	-	-	14	-	10	-	
12	Song	B+S	32	-	-	15	17	-	-	5	27	-	-	-	32	-	28	-	
16	Shelleng	B+S	16	-	-	2	14	-	-	-	16	-	-	-	16	-	12	-	
4	Guyuk	S	16	-	3	2	11	-	-	6	10	-	-	-	16	-	10	-	
1	Fuforo	B+S	72	-	27	15	30	-	-	20	52	-	-	-	72	-	45	-	
7	Mayo-Belwa	B	26	-	2	5	19	-	-	-	26	-	-	-	26	-	15	-	
14	Jada	B	29	-	-	7	22	-	-	-	29	-	-	-	29	-	18	-	
2	Ganya	B	20	-	-	3	17	-	-	3	17	-	-	-	20	-	15	-	
	Total		534	11	45	164	221	93	-	70	370	94	-	3	1	436	94	284	25
2600	Bauchi/																		
6	Darazo	S	149	13	10	48	66	12	50	32	38	19	77	15	52	5	6	143	
9	Gamawa	CF	51	14	7	17	13	-	8	31	2	10	45	1	5	-	5	-	
22	Ganjuwa	B	26	-	-	7	19	-	-	13	13	-	-	-	26	-	18	-	
16	Ningi	S	65	-	3	7	52	3	-	12	48	5	18	13	34	-	5	60	
17	Shire	B+S	107	1	-	8	98	-	1	57	46	3	35	15	54	3	2	105	
19	Toro	S	91	1	-	10	75	5	1	9	72	9	19	16	55	1	5	1	
4	Bauchi	B	291	5	7	36	206	37	2	46	182	61	115	88	73	5	6	9	
12	Jama are	CF	44	-	-	20	24	-	6	9	27	2	29	6	9	-	6	-	
10	Gombe	S	18	6	5	7	-	-	4	7	1	6	5	4	3	6	-	12	
21	Kaltung	S	19	-	2	7	10	-	-	5	14	-	-	-	19	-	5	-	
3	Balanga	S	22	-	7	15	-	-	-	3	19	-	-	-	22	-	11	-	
7	Dass	S	24	1	4	11	8	-	-	2	22	-	-	-	24	-	8	-	
20	Yamaltu/Deba	S	81	1	3	22	5	-	-	10	21	-	-	-	31	-	21	-	
15	Nafada	S	21	-	9	12	-	-	-	3	18	-	-	-	21	-	14	-	
18	Tafawa Balewa	S	33	2	5	16	10	-	-	5	28	-	-	-	33	-	28	-	
8	DUKU	S	32	-	-	16	16	-	-	-	32	-	-	-	32	-	27	-	
2	Alkali	S	44	-	1	23	20	-	-	7	37	-	-	-	44	-	34	-	
1	Akko	S	35	-	5	25	5	-	-	8	27	-	-	-	35	-	13	-	
5	Billiri	S	20	-	2	13	5	-	-	-	20	-	-	-	20	-	13	-	
11	Itas/Gadau	CF	6	-	-	4	1	1	-	-	5	1	4	-	-	2	-	-	
13	Katagum	S	188	2	-	59	86	41	16	98	19	55	81	29	72	6	4	-	
14	Misau	S	121	4	6	40	63	8	27	59	25	10	66	13	42	-	6	1	
	Total		1438	50	76	423	782	107	125	416	716	181	494	210	706	28	237	331	

--not available, * including dug wells with hand pump
 G:Geology. B:Basement Complex. S:Sedimentary Formation. Q:Quaternary Sediments. CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (12/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump Hand Mechanical					
				>151	101~150	51~100	>81	11~30	10> un-Known	>101	51~100	50> un-Known						
2700	Kano																	
33	Ungogo	B	15	-	-	4	11	-	-	12	2	-	12	1	14	1		
34	Wudil	B	95	-	3	27	65	-	1	48	21	25	4	28	29	34	48	47
28	Saumalia	B	18	-	-	2	16	-	-	4	14	-	-	6	11	1	15	3
29	Takai	B	57	-	-	5	52	-	-	21	36	-	-	22	27	8	51	6
30	Tsanvawa	B	49	-	2	26	21	-	5	31	7	6	2	6	25	16	34	15
22	Minjibir	B	69	-	1	25	43	-	-	45	4	20	3	7	32	27	39	30
23	Nassarawa	B	20	-	2	5	13	-	-	9	4	7	2	7	4	7	10	10
24	Rano	B	51	-	-	14	37	-	-	30	11	10	9	14	20	8	32	19
18	Karaye	B	70	-	-	16	54	-	-	26	36	-	-	25	30	15	52	18
19	Kumbotso	B	12	-	-	3	9	-	-	10	2	-	-	5	7	-	12	-
32	Dogwa	B	16	-	-	1	14	1	-	-	16	-	-	8	8	-	16	-
15	Gwarzo	B	34	-	-	17	17	-	-	15	3	16	4	4	8	18	15	19
17	Kano-Municipal	B	12	-	-	7	5	-	-	1	3	8	2	1	3	6	1	11
9	Dawakin Kudu	B	74	-	-	39	35	-	-	24	8	42	12	6	23	33	23	51
12	Gabasawa	B	37	-	-	9	28	-	-	34	1	2	-	11	24	2	35	2
13	Gaya	B	101	-	6	31	64	-	1	62	14	24	9	21	42	29	52	1
14	Gezawa	B	69	1	4	19	44	1	-	39	8	22	4	14	23	28	42	27
7	Dala	B	10	-	-	1	9	-	-	2	6	2	-	2	6	2	8	2
8	Dambatta	CF	91	-	3	24	60	4	-	48	12	31	12	21	29	29	50	41
3	Bebeje	B	53	-	4	14	35	-	-	29	17	7	9	12	18	14	30	23
5	Bichi	B	39	-	1	22	15	1	1	19	4	15	4	4	16	15	21	18
31	TudunWada	B	58	-	1	5	51	1	-	11	33	14	5	21	18	14	37	21
27	Shanano	B	31	-	5	17	9	-	3	22	2	4	-	6	15	10	18	13
25	Rimin-Gado	B	25	-	3	5	17	-	-	20	1	4	1	3	15	6	19	6
21	Madobi	B	13	-	-	2	11	-	-	11	2	-	-	3	10	-	13	-
20	Kura	B	58	-	-	15	43	-	2	42	11	3	1	27	21	9	46	12
16	Kabo	B	31	-	-	18	13	-	-	23	-	8	-	2	18	11	21	10
6	Bunkure	B	19	-	-	5	14	-	-	14	3	2	1	8	6	4	16	3
11	Dawakin-Tofa	B	107	-	-	18	89	1	1	46	9	52	2	17	34	54	51	56
1	Albasu	B	26	-	-	7	18	-	1	15	7	3	2	7	14	3	18	8
2	Bagwai	B	15	-	-	5	10	-	-	12	2	-	-	2	10	3	12	3
	Total		1375	1	35	408	922	9	15	725	299	328	88	322	558	407	851	476
2900	Yobe/																	
3	Damaturu/Dapchi	CF	88	-	-	40	48	-	-	88	-	-	-	-	88	-	88	-
6	Fune	CF	124	-	-	54	70	-	-	124	-	-	-	-	124	-	80	-
10	Nangere	S	82	11	6	27	1	37	4	21	1	56	55	6	3	18	-	63
11	Nguru	CF	60	8	3	12	1	36	3	3	9	45	11	1	1	47	45	15
7	Geidam	CF	65	16	10	6	3	30	3	9	1	52	13	2	2	48	1	23
4	Borsari	CF	19	3	-	2	-	14	4	1	1	13	2	1	1	15	10	1
	Gorgram	CF	56	7	18	11	1	19	14	17	-	25	6	6	4	40	1	55
2	Jarusko	CF	21	2	6	2	4	7	1	3	-	17	3	1	-	17	-	-
9	Machina		18	1	1	4	-	12	2	1	1	14	2	1	2	13	-	-
	Yusufari	CF	15	2	1	5	-	7	2	3	-	10	4	1	-	10	-	-
12	Yunsari	CF	20	1	1	2	-	16	-	3	2	15	5	-	1	14	-	-
5	Fika	S	198	-	-	142	56	-	-	198	-	-	-	-	198	-	100	-
8	Gujba	S	120	-	-	55	65	-	-	120	-	-	-	-	120	-	65	-
	Total		886	51	46	362	249	178	33	61	545	247	101	19	544	222	390	157

--:not available, * including dug wells with hand pump

G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 9 BOREHOLE CONDITION ON STATE AND LGA BASIS (13/13)

No.	State/L.G.A	G	No. of Wells	Depth of Wells(m)			Water Level(m)			Water Yield(l/min)			Pump					
				>151	101~150	51~100	50>	un-known	>31	11~30	10>	un-known	>101	51~100	50>	un-known	Hand	Mechanical
3000	Borno	B+S	104	63	12	17	4	8	9	23	13	59	18	13	2	71	-	-
2	Bama	CF	38	-	5	33	-	-	-	38	-	-	-	-	38	-	35	-
5	Dambo	B+CF	400	133	25	119	6	117	17	55	53	275	216	33	13	138	-	-
7	Gwoza	CF	103	45	-	15	20	23	-	17	19	67	8	11	23	61	4	45
10	Konduga	CF	84	43	3	3	5	30	6	9	11	58	31	6	5	42	-	-
19	Ngala	CF	155	126	-	1	-	28	-	18	69	68	72	21	16	46	99	56
16	Gubio	CF	24	14	-	-	-	10	-	-	6	18	6	1	1	16	19	5
8	Kaga	CF	65	18	6	9	1	31	10	7	2	46	8	4	1	52	25	40
15	Mobbar	CF	109	43	-	-	2	64	-	4	9	96	29	1	3	76	100	9
9	Magumeri	CF	14	9	-	-	-	5	1	2	1	10	1	-	-	13	9	5
11	Mafa	CF	9	6	-	-	-	3	-	1	4	4	-	-	-	9	-	-
6	Dikwa	CF	11	7	-	1	-	3	-	3	1	7	6	-	-	5	10	1
18	Marte	CF	34	20	-	-	-	14	-	2	3	29	8	1	-	25	-	-
17	Monguno	CF	173	64	-	-	-	109	-	29	4	140	31	2	4	136	-	-
12	Kukawa	CF	129	36	-	5	3	85	6	6	26	91	3	-	-	126	-	-
13	Ganzai	CF	12	6	1	1	-	4	-	-	-	12	3	1	-	8	-	-
1	Askira Uba	B	29	-	-	10	19	-	-	-	29	-	-	-	29	-	29	-
3	Biu	B	69	-	-	8	61	-	-	-	69	-	-	-	69	-	60	-
21	Hawul	B	18	-	-	2	16	-	-	-	18	-	-	-	18	-	15	-
4	Kwaya	B+S	30	-	-	10	20	-	-	-	30	-	-	-	30	-	30	-
20	Shani	S	17	-	-	6	11	-	-	-	17	-	-	-	17	-	12	-
	Total		1627	633	47	212	201	534	49	176	422	980	440	94	269	824	447	161
2800	Jizawa																	
11	Kafin Hausa	CF	136	1	2	75	52	6	4	62	9	61	15	40	30	51	68	68
12	Kazaure	CF	65	-	-	15	50	-	-	22	21	22	5	14	46	-	1	64
19	Ringim	CF	106	-	2	30	74	-	2	56	14	34	10	50	19	27	66	40
13	Kirikasana	CF	77	-	-	19	58	-	1	25	48	3	10	48	16	3	66	11
8	Gwaram	B	61	-	2	8	51	-	-	14	43	4	2	18	30	11	45	-
1	Babura	CF	47	-	-	29	18	-	-	41	6	-	9	32	5	1	39	8
3	Birnin Kudu	B	109	-	-	27	82	-	1	30	51	27	15	30	35	29	59	1
4	Dutse	B+CF	90	-	-	39	49	2	2	46	16	26	10	7	41	32	50	40
10	Jahum	CF	124	-	1	61	62	-	38	47	24	15	22	47	49	6	48	-
18	Kaugama	CF	33	-	2	9	22	-	2	20	5	6	6	24	3	-	25	8
14	Kiyawa	CF	34	-	-	7	27	-	-	26	5	3	1	9	19	5	30	4
15	Maigatari	CF	53	-	3	39	11	-	28	23	1	1	4	35	14	-	41	12
17	Malam Maduri	CF	78	-	-	45	33	-	25	32	3	18	8	38	16	16	54	24
21	Roni	CF	38	-	-	15	23	-	2	20	9	7	1	7	21	9	29	9
7.16	Suletankar-kar	CF	23	-	2	21	-	-	22	1	-	-	4	7	12	-	18	5
5	Garki	CF	53	-	8	37	8	-	27	18	3	5	5	21	24	3	34	-
6	Gumel	CF	139	1	16	108	10	4	72	16	-	51	19	47	39	34	70	-
2	Birniwa	CF	85	-	9	49	25	2	49	22	5	9	8	33	37	7	68	17
9	Hadejia	CF	87	-	2	37	26	22	3	10	20	54	23	16	48	-	28	-
	Total		1438	2	49	670	681	36	278	531	283	346	177	523	504	234	839	311

-:not available. * including dug wells with hand pump
G:Geology, B:Basement Complex, S:Sedimentary Formation, Q:Quaternary Sediments, CF:Chad Formation

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (1/8)

Name of State: Lagos

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells			
0101	Agege	61	650	73	1.197			
0102	Badagry	542	119	276	0.509			
0103	Epe	1,216	100	236	0.194			
0104	Eti-Osa	161	171	39	0.242			
0105	Ibeju-Lekki	503	25	125	0.249			
0106	Ikeja	42	640	62	1.476			
0107	Alimosho	183		87	0.475			
0108	Ikorodu	411	182	164	0.399			
0109	Lagos-Island	29	164					
0110	Lagos-Mainland	20	870	3	0.150			
0111	Surulere	29		14	0.483			
0112	Mushin	16	987	25	1.563			
0113	Oshodi/Isolo	44		7	0.159			
0114	Ojo	382	1,012	116	0.304			
0115	Shomolu	91	767	61	0.607			
	Total	3,780	5,887	1,288	0.345			

Name of State: Ogun

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells			
0201	Abeokuta North	549		375	0.038			
0202	Abeokuta South	330						
0203	Ado-Odo/Ota	801	240	34	0.042			
0204	Egbado North	4,030	235	15	0.004			
0205	Egbado South	1,180	272	13	0.011			
0206	Ifo	1,076	213	20	0.019			
0207	Ijebu East	2,117	62	15	0.007			
0208	Ijebu North	964	142	5	0.005			
0209	Ijebu-Ode	186		34	0.042			
0210	Odogbolu	624						
0211	Obafemi/Owode	1,411	135	8	0.006			
0212	Odeda	1,642	88	14	0.009			
0213	Ogun Waterside	1,098	66	2	0.002			
0214	Ikenne	441	266	11	0.011			
0215	Shagamu	581						
	Total	17,080	2,339	204	0.012			

Name of State: Oyo

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells			
0301	Afijio	677	70	24	0.035			
0302	Akinyele	487	140	38	0.078			
0303	Egbada	149	129	42	0.282			
0304	Ibadan North-East	74	147	29	0.392			
0305	Ibapara	843	57	37	0.044			
0306	Ido	850	56	29	0.034			
0307	Ifedapo	6,650	231	46	0.007			
0308	Ifelaju	1,531	105	20	0.013			
0309	Irepo	2,035	132	17	0.008			
0310	Iseyin	2,729	171	48	0.018			
0311	Kajola	2,889	172	51	0.018			
0312	Lagelu	306	69	40	0.131			
0313	Ogbomosho North	172	166	22	0.128			
0314	Ogbomosho South	118		21	0.186			
0315	Ogo-Oluwa	405	36	27	0.067			
0316	Oluwole	281	91	45	0.160			
0317	Ona-Ara	460	122	38	0.083			
0318	Orelope	827	83	23	0.028			
0319	Orirc	2,021	93	20	0.010			
0320	Oyo	2,456	275	26	0.011			
0321	Surulere	788	68	32	0.041			
0322	Ibadan North-West	46	273	20	0.435			
0323	Ibadan South-East	93	228	25	0.269			
0324	Ibadan South-West	107	274	63	0.589			
0325	Ibadan Central	151	301	37	0.245			
	Total	27,140	3,489	820	0.030			

Name of State: Osun

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells			
0401	Ayedade	953	91	37	0.039			
0402	Ayedire	273	40	37	0.136			
0403	Atakumosa	1,041	99	41	0.039			
0404	Boripe	224	116	51	0.228			
0405	Ede	336	147	40	0.119			
0406	Egbedore	270	45	-	-			
0407	Ejigbo	393	72	63	0.160			
0408	Ifelodun	126	85	35	0.278			
0409	Ife Central	290	185	32	0.110			
0410	Ife North	934	130	63	0.067			
0411	Ife South	766	88	43	0.056			
0412	Ila		89	49	0.167			
0413	Ifedayo	583		19				
0414	Ilesha	140	138	53	0.379			
0415	Irewole	525	133	60	0.114			
0416	Irepodun	133	177	40	0.301			
0417	Iwo	255	106	48	0.188			
0418	Obokun	598	61	33	0.055			
0419	Odo-Otin	338	90	72	0.213			
0420	Ola-Oluwa	324	43	64	0.198			
0421	Olorunda	106	79	33	0.311			
0422	Oriade	737	80	29	0.039			
0423	Osogbo	45	109	28	0.622			
	Total	9,390	2,203	970	0.103			

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (2/8)

Name of State: Ondo

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
0501	Ado	401	149	33	0.082
0502	Akoko North-East	409	104	19	0.046
0503	Akoko South	773	186	16	0.021
0504	Akure	1,042	317	59	0.057
0505	Ekiti East	701	137	20	0.029
0506	Ekiti South-East	294	134	14	0.048
0507	Ekiti West	474	247	16	0.034
0508	Idanre	1,872	82	-	-
0509	Ido/Osi	269	108	17	0.063
0510	Odigbo	1,875	151	-	-
0511	Ijero	378	93	23	0.061
0512	Okitipupa	811	169	-	-
0513	Ikere	218	59	10	0.046
0514	Ikole	1,029	143	24	0.023
0515	Ilaje	2,112	275	13	0.006
0516	Irepodun/Ife/Odun	399	124	21	0.053
0517	Emure/Ise/Orun	648	132	22	0.033
0518	Moba	295	166	16	0.054
0519	Ondo	1,255	247	48	0.038
0520	Ose	865	92	8	0.009
0521	Owo	1,704	155	52	0.031
0522	Oye	484	136	24	0.050
0523	Ile-Oluji-Okeigbo	750	123	-	-
0524	Ifedore	313	102	-	-
0525	Irele	866	105	4	0.005
0526	Akoko North-West	573	148	-	-
	Ekiti North			15	-
	Ekiti Center			13	-
	Ekiti			11	-
	Ero			10	-
	Ilesowapo			18	-
	Total	20,810	3,884	526	0.025

Name of State: Edo

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
0601	Esan South East	1,494	89	-	-
0602	Akoko-Edo	1,414	124	6	0.004
0603	Etsako West	1,479	131	7	0.005
0604	Esan West	644	92	-	-
0605	Oredo	1,184	781	35	0.030
0606	Orhionmwon	2,166	227	21	0.010
0607	Thunwonde	2,051	-	12	0.006
0608	Ovia South West	3,379	81	5	0.001
0609	Owan East	1,229	151	7	0.006
0610	Owan West	691	-	9	0.013
0611	Esan Central	425	129	-	-
0612	Esan North East	348	88	1	0.003
0613	Etsako East	1,319	144	-	-
0614	Ovia North East	1,877	122	-	-
	Total	19,700	2,159	103	0.005

Name of State: Delta

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
0701	Aniocha South	885	112	7	0.008
0702	Bomadi	350	140	9	0.026
0703	Burutu	2,101	160	7	0.003
0704	Ethiopo East	323	109	6	0.019
0705	Ika South	457	130	7	0.015
0706	Isoko South	689	143	9	0.013
0707	Ndokwa West	1,199	183	9	0.008
0708	Okpe	694	261	16	0.023
0709	Oshimili	787	123	13	0.017
0710	Sapele	386	141	18	0.047
0711	Ighelli North	903	161	16	0.018
0712	Warri South	1,926	213	4	0.002
0713	Warri North	2,229	87	5	0.002
0714	Ethiopo West	596	102	7	0.012
0715	Ndokwa East	1,708	73	6	0.004
0716	Ighelli South	721	181	13	0.018
0717	Ika North East	465	111	-	-
0718	Aniocha North	425	55	7	0.016
0719	Isoko North	436	134	11	0.025
	Total	17,280	2,569	170	0.010

Name of State: Rivers

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
0801	Ahoada	814	178	30	0.037
0802	Asari-Toru	105	143	6	0.057
0803	Bonny	207	62	3	0.014
0804	Brass	2,109	383	24	0.011
0805	Ogbia	717	-	15	0.021
0806	Degema	938	84	10	0.011
0807	Etche	988	211	18	0.018
0808	Tai/Eleme	313	119	11	0.035
0809	Ikwere	997	115	17	0.017
0810	Khana	724	254	22	0.030
0811	Oyigbo	507	-	-	-
0812	Obio/Akpor	290	239	11	0.038
0813	Okrika	297	248	14	0.047
0814	Port-Harcourt	151	407	31	0.205
0815	Sagbama	923	114	13	0.014
0816	Northern Ijaw	1,059	162	30	0.028
0817	Ogba/Egbema/Ndoni	1,039	175	18	0.017
0818	Abual/Odual	784	131	6	0.008
0819	Southern Ijaw	2,828	247	16	0.006
0820	Akukatoru	1,272	90	3	0.002
0821	Ekeremor	1,629	124	1	<0.001
0822	Emuoha	589	153	4	0.007
0823	Andono/Opobo	200	203	3	0.015
0824	Gokana	110	142	1	0.009
	Total	19,600	3,984	307	0.016

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (3/8)

Name of State: Akwa Ibom

Code	LGA	Area (sq. km)	Population (1,000)	Borehole		Density (/sq. km)
				Wells	Density	
0901	Abak	168	104	9	0.054	
0902	Eket	175	78	28	0.160	
0903	Ekpe-Akai	194	63	-	-	
0904	Essien-Udim	291	131	-	-	
0905	Etiam	170	84	10	0.059	
0906	Ikono	263	91	14	0.053	
0907	Ikot-Abasi	432	70	21	0.049	
0908	Ikot-Ekpene	359	156	41	0.114	
0909	Itu	538	183	15	0.029	
0910	Mbo	282	58	-	-	
0911	Mpat-Erin	361	100	4	0.011	
0912	Nsit-Ubium	196	76	-	-	
0913	Okobo	369	64	-	-	
0914	Orma	161	133	1	0.006	
0915	Oron	51	80	27	0.529	
0916	Oruk-Anam	550	127	3	0.005	
0917	Ukanafun	258	34	21	0.081	
0918	Uquo-Ibeno	413	77	3	0.007	
0919	Uruan	405	80	3	0.007	
0920	Uyo	228	235	13	0.057	
0921	Etim Ekpo	227	120	2	0.008	
0922	Nsit Ibom	181	64	-	-	
0923	Ini	382	72	-	-	
0924	Urue Offong/Oruko	126	30	-	-	
Total		6,780	2,360	215	0.032	

Name of State: Cross River

Code	LGA	Area (sq. km)	Population (1,000)	Borehole		Density (/sq. km)
				Wells	Density	
1001	Akamkpa	5.087	115	4	<0.001	
1002	Calabar	334	321	2	0.006	
1003	Ikom	2,658	176	3	0.001	
1004	Obubra	1,313	138	3	0.002	
1005	Obudu	529	90	2	0.004	
1006	Odukpani	1,342	111	6	0.004	
1007	Ogoja	1,297	169	4	0.003	
1008	Yarkurr	677	141	3	0.004	
1009	Biase	1,288	93	1	<0.001	
1010	Boki	2,679	138	3	0.001	
1011	Yala	1,524	155	3	0.002	
1012	Obanliku	1,485	50	-	-	
1013	Akpabuyo	1,367	96	8	0.006	
1014	Abi	410	73	9	0.022	
Total		21,990	1,866	51	0.002	

Name of State: Imo

Code	LGA	Area (sq. km)	Population (1,000)	Borehole		Density (/sq. km)
				Wells	Density	
1101	Aboh-Mbaise	128	115	14	0.109	
1102	Ahiazu-Mbaise	111	97	13	0.117	
1103	Ehime-Mbano	126	95	4	0.032	
1104	Ezinihitte	97	92	6	0.062	
1105	Ideato North	215	129	9	0.042	
1106	Ihitte-Uboma	136	71	8	0.059	
1107	Ikeduru	196	107	11	0.056	
1108	Isiala-Mbano	229	105	10	0.044	
1109	Isu	130	142	8	0.062	
1110	Mbaitoli	207	148	6	0.029	
1111	Ngor-Okpala	756	136	9	0.012	
1112	Nkwere	93	126	5	0.054	
1113	Obowo	88	64	3	0.031	
1114	Ohaji/Egbema	906	119	6	0.007	
1115	Osigwe	550	128	4	0.007	
1116	Oriu	145	117	10	0.069	
1117	Oru	251	149	18	0.072	
1118	Owerri	370	285	17	0.046	
1119	Oguta	489	87	13	0.027	
1120	Orsu	76	91	4	0.053	
1121	Ideato South	131	85	8	0.061	
Total		5,430	2,488	191	0.035	

Name of State: ABIA

Code	LGA	Area (sq. km)	Population (1,000)	Borehole		Density (/sq. km)
				Wells	Density	
1201	Aba North	68	494	3	0.235	
1202	Aba South					
1203	Afikpo North	235	104	1	0.004	
1204	Arochuku	497	92	-	-	
1205	Bende	608	128	-	-	
1206	Ikwano	232	60	-	-	
1207	Isiala Ngwa North	261	94	-	-	
1208	Isuikwuato	616	148	4	0.006	
1209	Obioma Ngwa	715	325	4	0.006	
1210	Ohafia	434	140	11	0.025	
1211	Ohaozara	582	134	1	0.002	
1212	Onicha	497	112	1	0.002	
1213	Ukwa West	267	49	5	0.019	
1214	Umuhia	417	214	19	0.046	
1215	Afikpo South	394	71	-	-	
1216	Ukwa East	294	32	12	0.041	
1217	Isiala Ngwa South	263	101	-	-	
Total		6380	2,288	74	0.012	

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (4/8)

Name of State: ANAMBRA

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
1301	Aguata	196	289	6	0.031			
1302	Anambra	930	150	5	0.005			
1303	Anaocha	106	199	13	0.123			
1304	Awka South	184	122	3	0.016			
1305	Idemili	264	401	17	0.064			
1306	Ihiala	252	200	2	0.008			
1307	Njikoka	142	134	11	0.077			
1308	Nnewi North	163	201	15	0.092			
1309	Ogbaru	441	178	3	0.007			
1310	Onitsha North	48	257	15	0.313			
1311	Onitsha South	34	96	3	0.015			
1312	Orumba South	206	191	2	0.002			
1313	Oyi	398	63	4	0.012			
1314	Awka North	344	128	3	0.009			
1315	Orumba North	313	159	4	0.024			
1316	Nnewi South	169	2,768	107	0.023			
Total		4,680	2,768	107	0.023			

Name of State: Enugu

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
1401	Abakaliki	1,125	226	2	0.003			
1402	Awgu	767	223	12	0.023			
1403	Enugu North	520	465	5	0.062			
1404	Enugu South	81	108	21	0.032			
1405	Ezeagu	659	189	18	0.051			
1406	Ezza	580	132	11	0.036			
1407	Igbo-Etiti	334	226	3	0.017			
1408	Igbo-Eze North	308	166	1	0.002			
1409	Igbo-Eze South	181	193	7	0.006			
1410	Ikwo	495	210	166	0.050			
1411	Ishielu	827	166	181	0.012			
1412	Isi-Uzo	1,125	208	26	0.003			
1413	Izzi	1,123	218	82	0.025			
1414	Nkanu	1,028	147	24	0.002			
1415	Nsukka	521	82	2	0.002			
1416	Ohaukwu	536	181	140	0.011			
1417	Oji-River	430	166	5	0.012			
1418	Udi	949	147	24	0.025			
1419	Uzo-Uwani	921	82	2	0.002			
Total		12,510	3,162	140	0.011			

Name of State: Sokoto

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
1501	Anka	9,108	272	182	0.020			
1502	Bodinga	350	113	172	0.491			
1503	Bungudu	2,519	194	8	0.003			
1504	Dange Shunt	2,504	148	5	0.002			
1505	Gada	1,980	153	3	0.002			
1506	Goronyo	1,310	105	15	0.011			
1507	Gumai	5,241	883	151	0.029			
1508	Bukkuyum	3,810	3	3	<0.001			
1509	Gusau	3,484	260	250	0.072			
1510	Gwadabawa	1,118	140	352	0.315			
1511	Illelelan-Tofa	1,458	132	3	0.002			
1512	Isa	2,940	183	283	0.089			
1513	Kaura Namoda	2,244	262	254	0.113			
1514	Kware	779	112	2	0.003			
1515	Maregun	2,495	131	1	<0.001			
1516	Rabah	2,385	88	4	0.002			
1517	Sabon Birni	2,516	139	3	0.001			
1518	Silawe	703	60	188	0.267			
1519	Sokoto	73	270	188	2.575			
1520	Talata Mafara	1,227	140	214	0.174			
1521	Tambuwal	2,390	144	12	0.004			
1522	Tangaza	6,645	126	4	<0.001			
1523	Tsafe	1,230	164	-	-			
1524	Wamakko	645	128	2	0.003			
1525	Wurno	749	96	265	0.354			
1526	Yabo	1,795	156	213	0.119			
1527	Zurmi	2,651	173	3	0.001			
1528	Binji	670	51	2	0.003			
1529	Bakura	2,571	120	3	0.001			
Total		68,090	4,393	2,765	0.041			

Name of State: Kebbi

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
1601	Arewa/Dandi	4,927	132	5	0.001			
1602	Argungu	2,138	208	283	0.133			
1603	Bagudo	5,717	154	166	0.029			
1604	Birnin-Kebbi	1,084	151	157	0.145			
1605	Bunza	1,578	121	180	0.114			
1606	Jega	889	154	156	0.175			
1607	Maiyama	1,344	110	3	0.002			
1608	Sakaba	1,530	202	1	<0.001			
1609	Wasagu	3,629	114	5	0.001			
1610	Suru	1,437	155	1	<0.001			
1611	Yauri	3,305	172	138	0.042			
1612	Zuru	2,533	99	186	0.073			
1613	Dandi	2,346	73	1	<0.001			
1614	Ngasaki	2,845	107	4	0.008			
1615	Gwandu	492	107	6	0.004			
1616	Koko/Besse	1,411	107	6	0.004			
Total		87,250	2,059	1,292	0.035			

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (5/8)

Name of State: Kwara

Code	LGA	Area (sq. km)	Population		Borehole		Density (/sq. km)
			(1,000)		Wells		
1701	Asa	1.611	82	115	82	115	0.071
1702	Edu	5.492	140	108	140	108	0.020
1703	Ifelodun	3.601	156	30	156	30	0.008
1704	Ilorin East	697	572	47	572	47	0.063
1705	Ilorin West	111					
1706	Irepodun	1.468	231	28	231	28	0.019
1707	Ekiti	829					
1708	Kaiama	7.224	45	23	45	23	0.003
1709	moro	3.251	86	122	86	122	0.038
1710	Oyun	534	63	40	63	40	0.075
1711	Baruten	9.903	116	29	116	29	0.003
1712	Offa	39	77	1	77	1	0.026
	Total	34.700	1,568	543	1,568	543	0.016

Name of State: Kogi

Code	LGA	Area (sq. km)	Population		Borehole		Density (/sq. km)
			(1,000)		Wells		
1801	Ankpa	2.862	248	13	248	13	0.004
1802	Bassa	2.105	86	3	86	3	0.001
1803	Dekina	2.577	202	15	202	15	0.006
1804	Idah	3.484	215	13	215	13	0.004
1805	Okehi	671	137	9	137	9	0.013
1806	Okene	425	309	11	309	11	0.026
1807	Ovi	2.746	66	12	66	12	0.004
1808	Ofu	1.448	113	3	113	3	0.002
1809	Yagba East	2.133	76	5	76	5	0.002
1810	Olamaboro	747	114	3	114	3	0.004
1811	Kogi	1.587	78	10	78	10	0.006
1812	Adavi	564	195	14	195	14	0.025
1813	Ajaokuta	1.617	80	-	80	-	-
1814	Ijumu	1.185	62	-	62	-	-
1815	Yagba West	1.642	85	2	85	2	0.001
1816	Lokoja	3.017	54	-	54	-	-
	Total	28.910	2,100	113	2,100	113	0.004

Name of State: Benue

Code	LGA	Area (sq. km)	Population		Borehole		Density (/sq. km)
			(1,000)		Wells		
1901	Ado	1.177	103	-	103	-	-
1902	Gboko	2.395	298	34	298	34	0.014
1903	Guma	2.584	116	38	116	38	0.015
1904	Gwer East	2.515	115	63	115	63	0.025
1905	Katsina-Ala	4.288	238	79	238	79	0.018
1906	Konshisha	1.918	143	-	143	-	-
1907	Kwande	3.031	191	68	191	68	0.022
1908	Makurdi	778	226	41	226	41	0.033
1909	Oju	1.857	177	-	177	-	-
1910	Okpokwu	786	87	-	87	-	-
1911	Oturkpo	2.119	190	-	190	-	-
1912	Ushongo	1.256	124	97	124	97	0.077
1913	Vandeikya	999	164	63	999	63	0.063
1914	Ogbadibo	591	91	-	91	-	-
1915	Apa	2.114	129	14	129	14	0.007
1916	Bakuru	1.350	131	88	131	88	0.065
1917	Gwer West	1.237	73	3	73	3	0.002
1918	Ukum	1.415	183	22	183	22	0.016
	Total	32.410	2,779	610	2,779	610	0.019

Name of State: Niger

Code	LGA	Area (sq. km)	Population		Borehole		Density (/sq. km)
			(1,000)		Wells		
2001	Agaje	2.118	85	90	85	90	0.042
2002	Chanchaga	80	157	264	80	264	3.300
2003	Gbako	1.824	104	87	104	87	0.048
2004	Lapai	2.745	98	172	98	172	0.063
2005	Lavun	5.322	238	99	238	99	0.019
2006	Magama	4.176	134	186	134	186	0.045
2007	Kontagora	7.537	238	108	238	108	0.014
2008	Rafi	5.459	106	115	106	115	0.033
2009	Shiroro	7.801	213	44	213	44	0.056
2010	Suleja	237	125	210	237	210	0.386
2011	Wushishi	11.164	195	17	195	17	0.002
2012	Rijau	2.697	125	35	125	35	0.013
2013	Borgu	11.982	110	180	110	180	0.015
2014	Agwara	1.266	42	-	42	-	-
2015	Bida	2.045	171	35	171	35	0.017
2016	Faiyero	2.073	108	94	108	94	0.045
2017	Bosso	1.175	92	36	92	36	0.030
2018	Gurara	1.204	46	8	1204	46	0.007
2019	Mokwa	3.435	104	9	3.435	104	0.003
	Total	72.340	2,481	1,789	72.340	1,789	0.025

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (6/8)

Name of State: Plateau

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
2101	Akwanga	2,212	183	41	0.019			
2102	Nasarawo-Egon	1,238	39	0.032				
2103	Awe	3,612	134	39	0.011			
2104	Barikin-Ladi	1,947	153	84	0.043			
2105	Bassa	1,695	113	-	-			
2106	Lantang South	1,443	48	51	0.035			
2107	Jos North	1,577	623	75	0.048			
2108	Jos South	2,920	117	55	0.019			
2109	Kanam	2,012	243	53	0.026			
2110	Keffi	2,883	341	46	0.016			
2111	Karu	2,169	341	34	0.016			
2113	Obi	1,515	33	33	0.022			
2114	Lantang North	1,067	101	50	0.047			
2115	Mangu	1,789	273	137	0.077			
2116	Bokkos	1,673	28	28	0.017			
2117	Nassarawa	5,696	225	69	0.012			
2118	Toto	2,920	34	34	0.012			
2119	Pankshin	2,508	169	130	0.052			
2120	Quan-Pan	2,426	142	73	0.030			
2121	Shendam	3,181	217	144	0.045			
2122	Wase	4,783	104	45	0.009			
2123	Doma	2,604	99	47	0.018			
	Total	53,870	3,285	1,307	0.024			

Name of State: Kaduna

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
2201	Birnin Gwari	6,358	140	53	0.010			
2202	Chukun	7,265	298	73	0.010			
2203	Igabi	3,297	298	100	0.030			
2204	Ikara	4,222	344	171	0.041			
2205	Jama'a	2,647	216	67	0.025			
2206	Kachia	6,519	216	46	0.007			
2207	Kaduna	46	338	-	-			
2208	Kaura	603	121	26	0.043			
2209	Kauru	2,550	128	31	0.012			
2210	Lere	2,712	221	73	0.027			
2211	Soba	1,961	187	68	0.035			
2212	Zangon-Kataf	2,394	149	56	0.023			
2213	Zaria	201	277	30	0.149			
2214	Makarfi	919	211	26	0.028			
2215	Sabon-Gari	243	213	10	0.041			
2216	Jaba	387	67	17	0.044			
2217	Giwa	2,020	170	29	0.014			
2218	Tudun Wada/Makera	46	374	-	-			
	Total	44,390	3,963	886	0.020			

Name of State: Katsina

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
2301	Bakori	489	253	17	0.035			
2302	Danja	712	1	1	0.001			
2303	Batsari	821	145	7	0.009			
2304	Bindawa	521	115	35	0.067			
2305	Daura	634	340	160	0.252			
2306	Maiaduwa	616	25	25	0.041			
2307	Dutsin-Ma	599	195	71	0.119			
2308	Kurfi	931	-	-	-			
2309	Faskari	2,363	193	1	<0.001			
2310	Funta	982	261	68	0.069			
2311	Ingawa	805	110	46	0.057			
2312	Ibia	960	128	-	-			
2313	Kaita	794	100	88	0.111			
2314	Kankara	1,586	166	1	<0.001			
2315	Kankia	1,216	174	133	0.109			
2316	Katsina	107	306	94	0.879			
2317	Batagarawa	271	-	-	-			
2318	Malunfashi	916	313	3	0.003			
2319	Kafur	979	-	-	-			
2320	Mari	725	120	84	0.116			
2321	Mashi	1,263	188	149	0.118			
2322	Musawa	524	161	1	0.002			
2323	Matazu	542	-	-	-			
2324	Rimi	795	193	79	0.099			
2325	Safana	2,522	204	9	0.004			
2326	Zango	1,477	214	193	0.131			
	Total	23,950	3,879	1,265	0.053			

Name of State: Taraba

Code	LGA	Area		Population		Borehole		Density (/sq. km)
		(sq. km)	(1,000)	(1,000)	Wells	(/sq. km)		
2401	Bali	14,345	313	20	0.001			
2402	Gashaka	8,091	45	13	0.002			
2403	Jalingo	2,540	138	30	0.012			
2404	Karim/Lamido	6,109	143	12	0.002			
2405	Sardauna	8,989	215	11	0.001			
2406	Takum	6,837	148	25	0.006			
2410	Donga	89	89	17	-			
2407	Wukari	6,007	90	18	0.005			
2411	Ibi	108	108	11	-			
2408	Yorro	3,027	54	8	0.008			
2412	Lau	61	61	15	-			
2409	Zing	915	76	10	0.011			
	Total	56,860	1,480	190	0.003			

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (7/8)

Name of State: ADAMAWA

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
2501	Fufore	4,449	154	72	0.016
2502	Genye	7,133	171	20	0.003
2503	Gombi	2,318	88	14	0.006
2504	Guyuk	822	70	16	0.019
2505	Hong	2,369	126	78	0.033
2506	Maiha	1,314	93	19	0.014
2507	Mayo-Belwa	1,308	121	26	0.014
2508	Michika	852	118	90	0.106
2509	Mubi	1,206	243	20	0.017
2510	Numan	1,798	228	14	0.008
2511	Demsa	1,986	15	15	0.008
2512	Song	5,529	193	32	0.006
2513	Yola	1,487	246	15	0.010
2514	Jada	2,359	124	29	0.012
2515	Madagali	1,072	92	58	0.054
2516	Shelleng	1,718	56	16	0.009
Total		38,220	2,123	534	0.014

Name of State: Bauchi

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
2601	Akko	2,557	235	35	0.014
2602	Alkaleri	8,330	254	44	0.005
2603	Balanga	1,854	133	22	0.012
2604	Bauchi	3,466	342	291	0.084
2605	Billiri	800	85	20	0.025
2606	Darazo	3,129	164	149	0.048
2607	Dass	609	53	24	0.039
2608	Dukku	3,763	158	32	0.009
2609	Gamawa	3,104	181	51	0.016
2610	Gembe	1,553	283	18	0.012
2611	Itas/Gaduu	1214	128	6	0.005
2612	Jama'are	458	60	44	0.096
2613	Katagum	1329	188	188	0.141
2614	Misau	2410	219	121	0.050
2615	Nafada	3289	186	21	0.006
2616	Ningi	5448	290	65	0.012
2617	Shira	1996	243	107	0.054
2618	Tafawa-Balewa	2,580	188	33	0.013
2619	Toro	7,525	215	91	0.012
2620	Yamaltu/Deba	2,152	221	31	0.014
2621	Kaltungo	1,990	166	19	0.010
2622	Ganjuwa	5,285	143	26	0.005
2623	Zaki	1,468	156	-	-
Total		66,310	4,291	1,438	0.022

Name of State: Kano

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
2701	Albasu	490	112	26	0.053
2702	Bagwai	430	101	15	0.035
2703	Bebeji	732	265	53	0.072
2704	Kiru	957	-	-	-
2705	Bichi	586	172	39	0.067
2706	Bunkure	444	119	19	0.043
2707	Dala	45	496	10	0.222
2708	Dambatta	1,439	205	91	0.063
2709	Dawakin-Kude	796	238	107	-
2710	Varawa	-	-	-	-
2711	Dawakin-Tofa	508	148	74	0.146
2712	Gabasawa	767	147	37	0.482
2713	Gaya	1,451	227	101	0.070
2714	Gezawa	349	149	69	0.198
2715	Gwarzo	430	121	34	0.079
2716	Kabo	369	86	31	0.084
2717	Kano	115	404	12	0.104
2718	Karaye	1,348	231	70	0.052
2719	Kumbotso	171	168	12	0.070
2720	Kura	420	228	58	0.138
2721	Madobi	254	-	13	0.051
2722	Minjibir	436	180	69	0.158
2723	Nassarawa	48	464	20	0.417
2724	Rano	975	154	51	0.052
2725	Rimin-Gado	438	121	25	-
2726	Tofa	-	-	-	-
2727	Shanono	747	88	31	0.041
2728	Sumalia	1,093	160	18	0.016
2729	Takai	955	134	57	0.060
2730	Tsanyawa	1,198	155	49	0.041
2731	Tudun-Wada	1,181	224	58	0.049
2732	Dogruwa	1,515	16	16	0.011
2733	Ungogo	151	166	15	0.099
2734	Wudil	842	230	95	0.112
Total		21,680	5,638	1,375	0.063

Name of State: Jigawa

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
2801	Babura	1,055	135	47	0.045
2802	Birniwa	1,905	114	85	0.045
2803	Birnin-Kudu	2,107	293	109	0.052
2804	Dutse	1,086	148	90	0.083
2805	Garki	1,312	103	53	0.040
2806	Gumel	927	121	139	0.150
2807	Suletankar-Kar	662	-	23	0.035
2808	Owarram	1,862	196	61	0.033
2809	Hadeja	625	84	87	0.139
2810	Jahun	1,633	250	124	0.076
2811	Kafin-Hausa	1,433	150	136	0.095
2812	Kazaure	714	122	65	0.091
2813	Kirikasama	1,669	178	77	0.046
2814	Kiyawa	970	108	34	0.035
2815	Maigatari	1,058	179	53	0.051
2816	Suletankar-Kar	741	-	-	-
2817	Malam-Maduri	809	193	78	0.096
2818	Kauzama	918	-	33	0.036
2819	Ringim	1,848	248	106	-
2820	Taura	-	-	-	-
2821	Roni	850	110	38	-
2822	Gwiwa	-	-	-	-
Total		24,210	2,732	1,438	0.059

TABLE 10 WELL SITE DISTRIBUTION DENSITY BY LGA (8/8)

Name of State: Yobe

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
2901	Bade	2.017	185		
2902	Jakusko	2.645		21	0.008
2903	Damaturu	6.945	162	88	0.013
2904	Borsari	3.800		19	0.005
2905	Fika	2.184	130	198	0.091
2906	Fune	5.041	136	124	0.025
2907	Geidam	4.421	85	65	0.015
2908	Gujiba	5.373	144	120	0.022
2909	Mchina	3.915	107	18	0.005
2910	Nangere	1.618	251	82	0.051
2911	Nguru	3.576	137	60	0.017
2912	Yunusari	3.705	74	20	0.005
	Gorgram			56	
	Yusufari			15.0	
	Total	45.240	1,411	886.0	0.02

Name of State: Borno

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
3001	Askira-Uba	2.672	159	29	0.011
3002	Bama	6.042	195	104	0.017
3003	Biu	3.636		69	0.019
3004	Kwaya-Kusar	1.648	217	30	0.018
3005	Dambo	8.533	140	38	0.004
3006	Dikwa	1.891	72	11	0.006
3007	Gwaza	2.820	161	103	0.004
3008	Kaga	3.060	105	65	0.021
3009	Magumeri	5.459		14	0.003
3010	Konduga	6.616	174	84	0.013
3011	Mafa	2.310		9	0.004
3012	Kukawa	6.590	150	129	0.020
3013	Nganzai	1.958		12	0.005
3014	Maiduguri	693	629	400	0.577
3015	Mobbar	7.912	151	109	0.014
3016	Gubio	2.524		24	0.010
3017	Monguno	2.402	125	173	0.072
3018	Marte	3.013		34	0.011
3019	Ngala	3.866	126	155	0.014
3020	Shani	1.188	191	17	0.014
3021	Hawul	1.717		18	0.010
	Total	76.050	2,595	1627	0.021

Name of State: Abuja F. C. T.

Code	LGA	Area (sq. km)	Population (1,000)	Borehole Wells	Density (/sq. km)
3101	Abaji	859	24	3	0.003
3102	Abuja	2.351	213	4	0.002
3103	Gwagwalada	2.072	81	1	<0.001
3104	Kuje	1.678	61	2	0.001
	Total	6.960	379	10	0.001

TABLE 11 EXISTING LARGE DAMS (1/4)

(1)

Project	State	River	SSHA No.	Agency	Objective			Beneficiary			Basin Hydrology			
					Irri.	W.S.	H.P.	Irri. Area (ha)	Power Output (MW)	Water Supply (Popu.)	Catch. Area (km ²)	Rainfall (mm)	Inflow (MCM)	
1. HA-1														
1 Jibiya	Katsina	Gada	1010	S-RREDA	⊙	○	-	3,000	-	-	3,700	650	260	
2 Zobe	Katsina	Karaduwa	1021	S-RREDA	⊙	○	-	5,000	-	(33 MCM)	2,309	700	240	
3 Gusau	Sokoto	Sokoto	1041	SWA	○	⊙	-	-	-	-	2,657	750	410	
4 Bakolori	Sokoto	Sokoto	1042	S-RREDA	⊙	○	-	23,000	3	-	4,857	750	760	
5 Goronyo	Sokoto	Rima	1052	S-RREDA	⊙	○	-	17,000	-	(13 MCM)	21,445	650	660	
6 Zuru(Baganda)	Kebbi	Girvache	1091	SWA	-	⊙	-	-	-	-	3,170	800	420	
7 Kainji	Niger	Niger	1113	NEP	-	⊙	-	-	680	-	593,200	950	22,400	
8 Kubli	Niger	Svasei	1140	NRBDA	⊙	○	-	-	-	-	791	950	160	
9 Swashi	Niger	Swashi	1141	NRBDA	⊙	○	-	2,700	-	-	850	950	170	
Sub-total	-	-	-	-	6	2	1	50,700	683	-	-	-	-	
2. HA-2														
1 Kontagora(1)	Niger	kontagora	2031	SWA	-	⊙	-	-	-	-	143	1,050	36	
2 Kontagora(2)	Niger	Kontagora	2031	NRBDA	⊙	○	-	11,000	-	-	2,000	1,050	270	
3 Asa	Kwara	Asa	2040	SWA	-	⊙	-	-	-	-	918	1,150	184	
4 Ero	Kwara	Ero	2053	SWA	○	⊙	-	500	-	25,000	610	1,200	140	
5 Kagara	Niger	Kagara	2060	SWA	-	⊙	-	-	-	-	158	1,150	40	
6 Bagoma	Kaduna	Kusheriki	2060	SWA	○	⊙	-	500	-	-	673	1,150	150	
7 Jebba	Niger	Niger	2072	NEP	-	⊙	-	-	560	-	631,900	1,150	24,300	
8 Guzan	Niger	Yiko	2073	MANR	⊙	○	-	1,500	-	-	1,150	1,150	150	
9 Omi	Kogi	Kampe	2081	NRBDA	⊙	○	-	4,100	-	-	1,640	1,200	260	
10 Zaria	Kaduna	Galma	2111	SWA	-	⊙	-	-	-	-	3,200	1,100	450	
11 Kangimi	Kaduna	Kangimi	2122	SWA	○	⊙	-	1,600	-	1,175,000	14,946	1,250	1,800	
12 Tagwai	Niger	Tagwai	2141	SWA	-	⊙	-	-	-	-	110	1,200	33	
13 Bosso	Niger	Karuko	2141	SWA	-	⊙	-	-	-	-	144	1,300	42	
14 Shiroro	Niger	Kaduna	2142	SWA	-	⊙	-	-	600	-	36,100	1,200	7,200	
15 Jabi	FCT	Jabi	2162	SWA	-	⊙	-	-	-	45,000	328	1,300	86	
16 Iku	FCT	Iku	2162	SWA	-	⊙	-	-	-	-	144	1,300	42	
17 Suleja	Niger	Iku	2162	SWA	-	⊙	-	-	-	-	144	1,300	42	
18 Pedan	FCT	Pedan	2162	SWA	-	⊙	-	-	-	-	1,300	1,300	260	
19 Ussuman	FCT	Ussuma	2162	SWA	-	⊙	-	-	-	650,000	1,315	1,300	260	
Sub-total	-	-	-	-	3	14	2	19,200	1,160	1,895,000	-	-	-	
3. HA-3														
1 Biu	Borno	Divama	3031	CBDA	⊙	○	-	-	-	150,000	700	700	-	
2 Liberty	Plateau	Rafin sanyi	3041	SWA	-	⊙	-	-	-	50,000	113	1,200	33	
3 Balanga	Bauchi	Balanga	3050	MANR	⊙	○	-	4,000	-	-	385	750	86	
4 Kurra	Plateau	Tenti	3041	NESCO	-	⊙	-	-	8	-	1,200	1,200	30	
5 Y. Gwon	Plateau	Shem	3041	SWA	-	⊙	-	-	-	50,000	100	1,200	30	
6 Ankwil(1)	Plateau	Tenti	3041	NESCO	-	⊙	-	-	1	-	1,200	1,200	-	
7 Toro	Bauchi	-	3041	-	⊙	○	-	-	-	283,200	1,200	1,200	3,100	
8 Dadin Kowa	Bauchi	Gongola	3042	UBREDA	⊙	○	-	-	34	-	32,700	750	3,100	
9 Gubi	Bauchi	Gubi	3042	SWA	-	⊙	-	-	-	300,000	179	900	45	
10 Waya	Bauchi	Waya	3042	UBREDA	⊙	○	-	2,000	-	20,000	106	900	29	
11 Kiri	Adamawa	Gongola	3034	UNBEDA	⊙	○	-	12,000	-	-	52,700	800	4,480	
12 Langtang	Plateau	Dyem	3102	SWA	-	⊙	-	-	-	50,000	104	800	31	
Sub-total	-	-	-	-	6	4	2	18,000	43	903,200	-	-	-	
4. HA-4														
1 Ouree	Plateau	Ouree	4011	NESCO	-	⊙	-	-	-	-	900	900	42	
2 Pankshin	Plateau	Resmongang	4011	SWA	-	⊙	-	-	-	45,000	156	900	42	
3 Bokkos (1)	Plateau	Maber	4030	LERBDA	⊙	○	-	500	-	40,000	45	1,200	16	
4 Doma	Plateau	Ohna	4072	LERBDA	⊙	○	-	2,000	-	-	60	1,300	21	
Sub-total	-	-	-	-	2	1	1	2,500	0	85,000	-	-	-	

TABLE 11 EXISTING LARGE DAMS (2/4)

(2)

Project	Reservoir						Dam						Cost (Million)	
	Area (km ²)	Capacity (MCM)		Dead (MCM)	Water Level (m)		Type	Height (m)	Length (m)	Volume (1,000m ³)	Outlet (m ³ /sec)	Spillway Completion Year		N
		Total	Active		FWL	LWL								
1. HA-1														
1 Jibiya	26.0	142.0	121.0	21.0	414.0	406.0	Earth	21.5	3,680	2.7	30.0	2,200	1990	171.0
2 Zobe	45.0	177.0	170.0	7.0	493.0	484.6	Earth	18.9	2,750	3.2		1,087	1983	122.0
3 Gusau		3.0	2.5	0.5			Earth	22.0	800					
4 Bakolori	80.0	450.0	403.0	47.0	334.0	320.0	Concrete	48.0	5,500			3,750	1978	488.0
5 Goronyo	200.0	942.0	933.0	9.0	288.0	279.5	Earth	20.0	5,285	4.5	157.0	1,540	1984	235.0
6 Zuru	23.5	6.0	5.0	1.0			Earth	15.0	700	0.1		432	1978	
7 Kairaji	1,270.0	12,000.0	9,140.0	2,860.0	150.0	129.0	Concrete	65.5	5,300	6.1		7,900	1988	
8 Kubli	9.4	75.0	62.0	13.0	234.0	223.0	Concrete	23.0	128		13.0	522	1992	55.0
9 Swashi		16.0	12.6	3.4	194.0		Earth	17.6	800	0.3	6.0	375		54.6
Sub-total	-	13,811	10,849	2,962	-	-	-	-	-	-	-	-	-	-
2. HA-2														
1 Kontagora(1)	3.7	17.7	15.7	2.0	113.0		Earth	20.0	1,000	0.9			1989	33.1
2 Kontagora(2)	39.0	340.0	200.0	145.0	230.0	224.0	Earth	32.0	1,400	1.4	18.0	240	UC	
3 Asa		43.0	34.4	8.6			Concrete	27.0	402	0.3				
4 Ero		20.0	18.5	1.5			Earth	22.0	662					
5 Kagara	5.8	43.0	38.0	5.0	249.0	236.5	Earth	31.0	1,721	0.9		1,970	UC	
6 Bagoma		5.5	5.0	0.5			Earth	17.0	2,225					
7 Jebba	316.0	3,880.0	1,000.0	2,880.0	103.0	99.0	Concrete	40.0	2,279	4.1		13,300	1983	
8 Guzan		20.0	18.0				Earth				17.0	385		
9 Omi	25.7	250.0	220.0	14.0	227.0		Earth	43.0	1,988	3.8	11.0	3,550	UC	1,978.0
10 Zaria	8.0	46.5	29.8	16.0			Rockfill	15.0	720				1974	
11 Kangimi	6.6	74.1	59.3	14.8			Earth	19.2	1,524				1975	40.0
12 Tagwai	5.5	28.3	26.5	1.8	256.0	245.0	Earth	25.0	1,770	0.9			1978	7.0
13 Bosso							Earth	17.0	132				1946	
14 Shiroro	312.0	7,000.0	6,050.0	950.0		342.0	Rockfill	105.0	700	3.4		7,500	1989	
15 Jabi		6.0	4.8	1.2			Earth	15.0	850	0.4			1982	15.0
16 Iku	4.3	42.7	36.2	6.5	463.0	454.0	Earth	28.0	870	0.6	17.0	385		167.0
17 Suleja	7.4	52.0	48.5	3.5	465.0		Earth	27.8	512					
18 Pedan		5.8	5.0	0.8			Earth	33.0	357					
19 Ussuman	8.0	120.0	100.0	20.0			Earth	45.0	1,350	5.0			1984	143.0
Sub-total	-	11,994.6	7,909.7	4,071.2	-	-	-	-	-	-	-	-	-	-
3. HA-3														
1 Biu	3.0	11.9	9.6				Earth				18.0	144		
2 Liberty	1.1	20.0	15.0	5.0	1,215.0	1,213.0	Earth	27.0	650	1.0	0.6	96	1972	
3 Balanga	11.0	73.0	63.0	10.0	314.5	311.5	Earth	41.0	180	0.4	4.5	2,500	1987	61.5
4 Kurra	4.8	17.0	14.5	2.5	1,170.1	1,156.0	Earth	19.0	1,067	0.4		571	1929	
5 Y. Gowon	5.0	30.0	24.0	6.0	1,222.5	1,190.0	Earth	35.0	1,400	1.8	1.5	248	1981	
6 Ankwil	5.1	31.0	29.5	1.5	1,314.0	1,287.0	Earth	27.0	708	0.5		228	1964	
7 Toro														
8 Dadin Kowa	300.0	2,855.0	1,770.0	1,085.0	249.0	239.0	Earth	42.0	520	1.1	75.0	1,110	1988	88.5
9 Gubi	5.9	38.0	35.0	3.0	557.0	545.0	Earth	27.0	3,820	2.3			1990	
10 Waya	4.5	21.0	17.0	4.0	535.0	520.0	Earth	23.0	400				UC	40
11 Kiri	110.0	615.0	325.0	290.0	171.5	162.7	Earth	37.0	1,300		19.0	4,000	1982	
12 Langtang	0.6	4.6	3.5	1.1	568.0	550.0	Earth	21.0	1,350	0.7	0.3	79	1983	
Sub-total	-	3,716.5	2,306.1	1,408.1	-	-	-	-	-	-	-	-	-	-
4. HA-4														
1 Ouree	0.1	6.7	5.4	1.3	1,156.5		Earth	21.0	860	0.1		257	1936	
2 Pankshin	0.5	4.0	2.8	1.2	1,369.0	1,347.0	Earth	29.5	685	0.6	0.3	165	1982	
3 Bokkos (1)		5.0	2.0	3.0	1,293.0	1,280.5	Earth	15.0	340	0.5	5.0			4.5
4 Doma	2.2	37.5	30.0	7.5	127.0	115.0	Earth	15.7	520	3.5		63	1988	
Sub-total	-	53.2	40.2	13.0	-	-	-	-	-	-	-	-	-	-

TABLE 11 EXISTING LARGE DAMS (3/4)

(3)

Project	State	River	SSHA No.	Agency	Objective			Beneficiary			Basin Hydrology		
					Irri.	W.S.	H.P.	Irri. Area (ha)	Power Output (MW)	Water Supply (Popu.)	Catch. Area (km ²)	Rainfall (mm)	Inflow (MCM)
					⊙	⊙	⊙	⊙	(MW)	(Popu.)	(km ²)	(mm)	(MCM)
5. HA-6													
1 Igbojaiye	Oyo	Oye	6021	0-ORBDA	⊙	⊙	-	2,000	-	1,000	121	1,100	38
2 Ikere Gorge	Oyo	Ogun	6022	0-ORBDA	⊙	⊙	⊙	12,000	6	(90MLD)	4,620	1,150	1,020
3 Oyan	Ogun	Oyan	6023	0-ORBDA	⊙	⊙	⊙	12,000	9	-	9,000	1,200	2,250
4 Asejire	Oyo	Osun	6051	SWA	-	⊙	-	-	-	1,500,000	7,424	1,300	1,860
5 Erinle(new)	Osun	Erinle	6051	SWA	-	⊙	-	-	-	1,034,300	1,200	1,250	360
6 Egbe	Ondo	Osse	6080	SWA	-	⊙	-	-	-	300,000	2,389	1,500	670
Sub-total	-	-	-	-	3	3	0	26,000	15	2,835,300	-	-	-
6. HA-7													
1 Obudu	Cross River	Aya	7022	CRBDA	⊙	⊙	-	1,000	-	-	30	2,000	15
Sub-total	-	-	-	-	1	0	0	1,000	-	0	-	-	-
7. HA-8													
1 Gari	Kano	Gari	8021	MANR	⊙	⊙	-	2,300	-	-	1,155	600	120
2 Karaye	Kano	Munkinan	8032	WRECA	-	⊙	-	-	-	-	80	750	16
3 Challawa	Kano	Challawa	8032	H-JRBDA	⊙	⊙	-	12,500	-	(70MCM)	3,859	750	420
4 Guzugu	Kano	Guzugu	8032	MANR	⊙	⊙	-	530	-	-	106	700	22
5 Magaga	Kano	Magaga	8032	MANR	⊙	⊙	-	600	-	-	119	700	24
6 Watari	Kano	Watari	8033	KNARDA	⊙	⊙	-	1,500	-	-	653	700	65
7 Tudun Wada	Kano	Waina	8041	MANR	⊙	⊙	-	360	-	-	85	900	18
8 Tiga	Kano	Kano	8041	H-JRBDA	⊙	⊙	-	26,000	-	(150MCM)	6,641	800	830
9 Baganda	Kano	Kano	8042	MANR	⊙	⊙	-	610	-	-	207	800	41
10 Ruwan Kanya	Kano	Bunga	8042	H-JRBDA	⊙	⊙	-	-	-	-	-	800	-
11 Kafin Zaki	Bauchi	Bunga	8051	H-JRBDA	⊙	⊙	-	-	-	-	5,300	850	1,060
12 Kafin Chiri	Kano	Jatau	8071	MANR	⊙	⊙	-	660	-	-	225	750	35
Sub-total	-	-	-	-	10	2	0	45,060	0	0	-	-	-
Total	-	-	-	-	31	26	6	162,460	1,901	5,718,500	-	-	-

TABLE 11 EXISTING LARGE DAMS (4/4)

(4)

Project	Reservoir						Dam						Cost N (Million)
	Area (km ²)	Capacity (MCY)		Water Level (m)		Type	Height (m)	Length (m)	Volume (MCY)	Outlet (m ³ /sec)	Spillway Completion Year		
		Total	Active	Dead	FWL							LWL	
5. HA-6													
1 Igbojaiye		5.6	5.2	0.4		Earth	18.0				1991		
2 Ikere Gorge	53.0	690.0	565.0	125.0		Earth	47.5	660	1.4	7.0	6,850	U.C	
3 Oyan	40.0	270.0	254.0	16.0	65.5	Earth	30.4	1,044	1.1		3,440	1983	
4 Asejire	5.3	32.9	30.5	2.4	153.9	Earth	26.2	854	0.9	1.2	5,130	1972	
5 Erinle(new)	16.4	94.0	75.0	19.0	325.0	Earth	27.0	677		2.5	1,520	1989	
6 Egbe		23.0	20.3	2.7		Concrete	24.0	196			453	1983	
Sub-total	-	1,115.5	950.0	165.5	-	-	-	-	-	-	-	-	
6. HA-7													
1 Obudu	0.5	2.5	2.0	0.5		Earth	15.0					6.0	
Sub-total	-	2.5	2.0	0.5	-	-	-	-	-	-	-	-	
7. HA-8													
1 Gari	33.2	214.0	203.0	11.0	466.0	Earth	22.0	6,055	3.1			1980	
2 Karaye	2.0	17.2	14.7	2.5	521.2	Earth	15.2	1,585	0.3			1971	
3 Challawa	100.0	930.0	900.0	30.0	523.8	Earth	38.0	7,804	6.2		3,850	1992	
4 Guzuguzu	6.4	24.6	21.5	3.1	513.0	Earth	17.4	2,090	0.7			1979	
5 Magaga	3.7	19.7	17.2	2.5	535.4	Earth	19.4	2,550	0.7			1980	
6 Watari	19.6	104.5	92.7	11.8	497.1	Earth	19.8	3,658	1.9			1980	
7 Tudun Wada	3.5	20.8	16.6	4.2	563.5	Earth	21.0	2,478				1977	
8 Tiga	178.0	1,968.0	1,845.0	123.0	527.0	Earth	47.2	5,791	10.8		3,257	1975	
9 Bagauda	3.8	22.1	20.9	1.2	490.1	Earth	20.7	2,134	0.7			1970	
10 Ruwan Kanya					509.3	Earth	22.0	3,658				1976	
11 Kafin Zaki	235.0	2,700.0	2,500.0	200.0	526.0		40.0	11,000	19.0		1,460	UC	
12 Kafin Chiri	8.4	31.1	24.6	6.5	475.0	Earth	16.0	5,405	6.0			1977	
Sub-total	-	6,052.1	5,656.3	385.8	-	-	-	-	-	-	-	-	
Total	-	36,745.4	27,713.3	9,016.0	-	-	-	-	-	-	-	-	

TABLE 12 EXISTING SMALL DAMS (1/6)

(1)

Project	State	River	SSHA No.	Agency	Objective		Beneficiary			Basin Hydrology			
					Irri.	W.S.	H.P.	Irri. Area (ha)	Power Output (MW)	Water Supply (Popu.)	Catch. Area (km ²)	Rainfall (mm)	Inflow (MCM)
1. HA-1													
1 Tubo	Katsina	Schinache	1030	SWA	○	⊙	-	-	-	-	171	650	41
2 Mairuwa	Katsina	Sokoto	1041	SWA	○	⊙	-	80	-	-	120	650	24
3 Wurno	Socoto	Rima	1052	S-RBDA	⊙	-	-	1,500	-	-	25,000	650	750
4 Marafa	Kebbi	Ka	1102	SWA	-	⊙	-	-	-	-	-	800	-
5 Kambuwa	Kebbi	Kambuwa	1104	SWA	-	⊙	-	-	-	-	-	850	-
6 Rijau	Niger	Butulu	1104	NRBDA	⊙	○	-	100	-	-	-	850	-
7 Bin Yauri(1)	Kebbi	-	1104	SWA	-	⊙	-	-	-	-	-	900	-
8 Bin Yauri(2)	Kebbi	-	1111	SWA	-	⊙	-	-	-	-	-	900	-
9 Nasko	Niger	Shadagulbi	1111	NRBDA	⊙	○	-	200	-	-	52	900	13
10 Bani	Kebbi	Rima	1131	SWA	-	⊙	-	-	-	-	-	750	-
11 I110	Kebbi	Gwanare	1131	MANR	⊙	○	-	120	-	-	10	750	3
Sub-total	-	-	-	-	4	7	0	2,000	0	0	-	-	-
2. HA-2													
1 Offa	Kwara	Oyun	2040	SWA	-	⊙	-	-	-	-	107	1,200	27
2 Oshin	Kwara	Oshin	2051	MANR	⊙	-	-	1,300	-	-	-	1,200	-
3 Birnin Gwari	Kaduna	Kubheriwi	2060	SWA	○	⊙	-	-	-	-	594	1,100	150
4 Ikole	Ondo	Ele	2081	SWA	-	⊙	-	-	-	-	73	1,250	22
5 Kpada	Kwara	Kampe	2081	NRBDA	⊙	-	-	1,500	-	-	-	1,200	-
6 Apariko	Ondo	Apariko	2081	MANR	⊙	○	-	250	-	-	21	1,250	8
7 Kerawa	Kaduna	Turo	2091	NRBDA	⊙	○	-	100	-	-	-	1,000	-
8 Kargi	Kaduna	Kargi	2111	MANR	⊙	-	-	-	-	-	-	950	-
9 Ikara	Kaduna	Kariga	2111	SWA	○	⊙	-	-	-	-	108	900	32
10 Matari	Kaduna	-	2111	MANR	⊙	-	-	-	-	-	1,090	1,000	220
11 Baki	Kaduna	Baki	2111	MANR	⊙	-	-	-	-	-	-	900	-
12 Tungan Kawo	Niger	Ifbandawaki	2142	NRBDA	⊙	-	-	800	-	-	166	1,150	34
13 Wandon	Kaduna	-	2161	MANR	⊙	-	-	-	-	-	-	1,300	-
Sub-total	-	-	-	-	9	4	0	3,950	0	135,000	-	-	-
3. HA-3													
1 Tenti	Plateau	Tenti	3041	NESCO	-	⊙	-	-	-	-	90	1,300	22
2 Ankwal (2)	Plateau	Tenti	3041	NESCO	-	⊙	○	-	2	-	-	1,300	-
3 N'gell	Plateau	N'gell	3041	NESCO	-	-	⊙	-	-	-	-	1,200	-
4 Jekko (1)	Plateau	Tenti	3041	NESCO	-	⊙	○	-	4	-	-	1,200	-
5 Lamingo	Plateau	Rafin Sanyi	3041	SWA	-	⊙	-	-	-	20,000	-	1,200	-
6 Bokkos (2)	Plateau	Mangu	3041	SWA	-	⊙	-	-	-	15,000	-	1,250	-
7 Kwall	Plateau	Ouree	3041	NESCO	-	⊙	○	-	6	-	-	1,250	-
8 Jekko (2)	Plateau	Sanga	3041	NESCO	-	⊙	○	-	4	-	-	1,200	-
9 Cham	Bauchi	Cham	3050	UBRBDA	⊙	○	-	250	-	1,500	66	750	20
Sub-total	-	-	-	-	1	7	1	250	16	36,500	-	-	-
4. HA-4													
1 Gindiri	Plateau	Dundage	4000	SWA	-	⊙	-	-	-	25,000	10	1,200	3
2 Tolle Maribe	Plateau	Rafin Sanyi	4000	SWA	○	⊙	-	-	-	10,000	-	1,200	-
3 Kogin Giri	Plateau	Rafin Sanyi	4000	SWA	-	⊙	-	-	-	25,000	-	1,200	-
4 Shendam(1)	Plateau	Tunkus	4011	UBRBDA	○	⊙	-	1,000	-	50,000	-	1,200	-
5 Kwa	Plateau	Kwa	4011	LBRBDA	⊙	○	-	-	-	20,000	-	1,200	-
6 Naka	Benue	Ana	4063	LBRBDA	⊙	○	-	600	-	25,000	11	1,350	4
7 Umogidi	Benue	Ogabakpa	4065	LBRBDA	⊙	○	-	1,000	-	5,000	40	1,400	12
8 Lafia	Plateau	Amba	4072	SWA	-	⊙	-	-	-	10,000	146	1,200	44
9 Nassarawa	Plateau	Uke	4083	SWA	-	⊙	-	-	-	15,000	170	1,350	64
Sub-total	-	-	-	-	3	6	0	2,600	0	185,000	-	-	-
5. HA-5													
1 Okene	Kogi	Okuhabi	5013	SWA	-	⊙	-	-	-	-	-	1,250	-
2 Okweghi	Edo	Okweghi	5014	MANR	⊙	○	-	-	-	1,200	12	1,500	5

TABLE 12 EXISTING SMALL DAMS (2/6)

(2)

Project	Reservoir						Dam						Cost (Million)	
	Area (km ²)	Capacity (MCM)		Dead (MCM)	Water Level		Type	Height (m)	Length (m)	Volume (MCM)	Outlet (m ³ /sec)	Spillway (m ³ /sec)		Completion Year
		Total	Active		FWL (m)	LWL (m)								
1. HA-1														
1 Tubo	11.5	35.5	25.1	10.4	585.8	580.5	Earth	8.4	780		220		1983	
2 Mairuwa	1.6	5.5	5.3	0.2			Earth	12.0	457		43		1970	
3 Wurno		25.0	20.0	5.0			Earth	8.0	800					114.0
4 Marafa		0.1	0.1	0.0			Earth	4.0	160				1984	
6 Kambuwa	0.5	4.9	4.8	0.1			Earth	5.5	170				1983	
7 Rijau		1.3	1.0	0.3			Earth	7.0	410		40		1990	
5 Bin Yauri(1)	1.5	1.1	1.0	0.1			Earth	5.2	440				1984	
8 Bin Yauri(2)	1.2	0.5	0.4	0.1			Earth	4.4	176				1984	
9 Nasko	0.6	2.6	2.0	0.6	228.8	222.5	Earth	12.0	645		40		1990	
10 Bani	0.7	0.7	0.4	0.3			Earth	5.3	210				1990	
11 Illio	5.0						Earth	5.0	420				1990	
Sub-total	-	77.1	60.1	17.1	-	-	-	-	-	-	-	-	-	-
2. HA-2														
1 Offa							Earth	12.0	8					
2 Oshin		0.0					Earth	4.8	210					
3 Birnin Gwari	2.0	4.0	3.2	0.8	410.5		Earth	14.3	1,057		56		1972	
4 Ikole		12.5	12.1	0.4			Earth	12.5	100				1975	
5 Kpada		17.2	13.8	3.4			Earth	2.7	100					
6 Apariko		4.7	4.0	0.7	384.0		Zone Earth	0.2	13		134		1988	
7 Kerawa		3.5	2.8	0.7			Earth	7.0	600				1988	
8 Kargi	35.0	0.5	0.3	0.2	95.0		Earth	2.9	226		2,000		1987	0.6
9 Ikara		3.4	3.0	0.4	107.2	101.0	Earth	10.5	710		400		1987	3.5
10 Matari	36.0	12.6	8.2	4.4	605.0		Earth	7.5	550		1,800		1987	
11 Baki	400.0	0.3	0.3	0.0	99.5		Earth	7.5	690		1,900		1988	
12 Tungan Kawo	4.0	22.0	21.0	1.0	113.0	107.0	Earth	11.8	3,300		85		1988	21.1
13 Wandon		0.2	0.2	0.0			Earth	6.0	250				1988	
Sub-total	-	80.8	68.8	12.0	-	-	-	-	-	-	-	-	-	-
3. HA-3														
1 Tenti	4.0	14.0	9.8	4.2	1,318.0	1,306.5	Earth	14.0	854		171		1943	
2 Ankwil (2)	0.2	1.2	1.1	0.1	1,279.0	1,272.0	Earth	9.0	203		343		1963	
3 Ngell					1,067.5	1,059.0	Concrete	9.0	38		108		1923	
4 Jekko (1)	0.4	1.4	1.1	0.3	870.0	862.5	Concrete	9.8	128				1937	
5 Lamingo	0.1	0.0	0.0	0.0	1,169.0	1,160.0	Earth	11.3	410		5		1932	
6 Bokkos (2)					1,288.0	1,282.0	Concrete	7.0	42				1985	
7 Kwall	0.1	0.6	0.4	0.2	1,067.0	1,052.0	Earth	9.0	274		271		1923	
8 Jekko (2)					574.0	668.0	Concrete	5.0	23				1950	
9 Cham	1.8	8.0	6.5	1.5	522.0	517.4	Earth	8.0	1,300		30		1992	
Sub-total	-	25.2	18.9	6.3	-	-	-	-	-	-	-	-	-	-
4. HA-4														
1 Gindiri		0.9	0.7	0.2	245.0	240.0	Concrete	5.0	33				1961	
2 Tolle Maribe	0.1				1,197.0	1,191.5	Concrete	7.6	374				1935	
3 Kogin Giri	0.1				1,196.0	1,190.5	Earth	8.2	280		19		1984	
4 Shendam	2.4	4.5	3.4	1.1	1,841.0	1,830.0	Earth	13.0	1,200		1,843		1984	
5 Kwa	350.0	0.2					Earth	6.0	180				UC	
6 Naka	1.5	2.5	2.0	0.5	101.5	94.7	Earth	7.0	500		6		1986	0.3
7 Umogidi	1.0	2.5	1.8	0.7	108.0	101.0	Earth	5.0	310		100		1985	0.5
8 Lafia	0.1	0.2	0.1	0.1	181.5	176.0	Concrete	4.0	126		170		1985	
9 Nassarawa	0.1	0.6	0.4	0.2	313.0	310.5	Concrete	3.0	60		150		1984	
Sub-total	-	11.4	8.4	2.8	-	-	-	-	-	-	-	-	-	-
5. HA-5														
1 Okene							Earth						1935	
2 Okweghi		0.8	0.6	0.2	151.8		Earth	0.1	12		79		1992	4.7

TABLE 12 EXISTING SMALL DAMS (3/6)

(3)

Project	State	River	SSHA No.	Agency	Objective			Beneficiary			Basin Hydrology		
					Irri.	W.S.	H.P.	Irri. Area (ha)	Power Output (MW)	Water Supply (Popu.)	Catch. Area (km ²)	Rainfall (mm)	Inflow (MCY)
3 Igboakwu	Enugu	Ishu	5020	A-IREDA	⊙	-	-	-	-	-	-	1,500	-
4 Nkisi	Anambra	Nkisi	5041	SWA	⊙	-	-	-	-	-	-	1,900	-
5 Ifite	Anambra	Trib	5041	MANR	⊙	-	-	-	-	-	-	1,900	-
6 Ubo	Anambra	Ugbo	5041	MANR	⊙	-	-	-	-	-	-	1,900	-
7 Omerobi	Anambra	Ugbo	5041	MANR	⊙	-	-	-	-	-	-	1,900	-
Sub-total	-	-	-	-	5	2	0	-	-	-	-	-	-
6. HA-6													
1 Ofiki (A)	Oyo	Ofiki	6021	0-ORBDA	⊙	-	-	2,000	-	1,000	575	1,100	200
2 Ofiki (B)	Oyo	Ofiki	6021	0-ORBDA	⊙	-	-	100	-	700	550	1,100	190
3 Fawfaw	Oyo	Fofo	6021	SWA	-	⊙	-	-	-	120,000	40	1,100	16
4 Igboho	Oyo	Ogun	6022	MANR	⊙	-	-	-	-	7,000	50	1,100	20
5 Sepeteri (A)	Oyo	Owutu	6022	0-ORBDA	⊙	-	-	2,000	-	2,000	143	1,100	57
6 Sepeteri (B)	Oyo	Agbado Osorun	6022	0-ORBDA	⊙	-	-	400	-	1,500	135	1,100	54
7 Awon	Oyo	Awon	6022	SWA	-	⊙	-	-	-	345,300	250	1,200	88
8 Lekan Are	Ogun	Ogun	6023	0-ORBDA	⊙	-	-	30	-	800	35	1,250	14
9 Opeki	Oyo	Opeki	6023	SWA	-	⊙	-	-	-	162,200	512	1,200	180
10 Mokoloki	Ogun	Ogun	6024	0-ORBDA	⊙	-	-	3,500	-	1,500	20,558	1,300	5,150
11 Oke Odan	Ogun	Oke Odan	6031	0-ORBDA	⊙	-	-	700	-	200,000	38	1,350	15
12 Eleyele	Oyo	Ona	6040	SWA	-	⊙	-	-	-	1,200	42	1,250	17
13 Otin	Oshun	Otin	6051	SWA	-	⊙	-	-	-	1,200	884	1,250	310
14 Eko-ende	Oshun	Otin	6051	SWA	-	⊙	-	-	-	290,500	883	1,250	310
15 Ayiba	Oshun	Ayiba	6051	SWA	-	⊙	-	-	-	35	35	1,250	14
16 Erinle (old)	Oshun	Erinle	6051	SWA	-	⊙	-	-	-	343,000	2,671	1,250	670
17 Oba	Oyo	Oba	6051	SWA	-	⊙	-	-	-	259,400	128	1,200	45
18 Esa-odo	Oshun	Osun	6051	SWA	-	⊙	-	-	-	1,425	1,425	1,350	355
19 Owena	Ondo	Owena	6070	SWA	⊙	-	-	200	-	15,000	138	1,500	48
20 Owo	Ondo	Little Osse	6080	SWA	-	⊙	-	-	-	1,250	23	1,500	9
21 Ado-ekiti	Ondo	Ureje	6080	SWA	-	⊙	-	-	-	95,000	23	1,350	9
22 Ojirami	Edo	Ojirami	6080	SWA	-	⊙	-	150	-	8,000	25	1,400	10
23 Ido-ani	Ondo	Agbaisa	6080	SWA	-	⊙	-	-	-	1,000	50	1,400	20
24 Avede	Ondo	Owuruwuru	6080	SWA	-	⊙	-	-	-	1,250	50	1,350	20
25 Ikare	Ondo	Asanode	6080	B-ORBDA	-	⊙	-	-	-	80,000	23	1,300	9
26 Ikpoba	Edo	Ikpoba	6100	SWA	-	⊙	-	-	-	3,000	743	2,000	260
Sub-total	-	-	-	-	8	18	0	9,080	-	1,940,600	-	-	-
7. HA-7													
1 Effium	Enugu	Aboine	7031	SWA	-	⊙	-	-	-	-	-	1,600	-
2 Abina	Enugu	Aboine	7031	SWA	-	⊙	-	-	-	-	-	1,800	-
3 Ohatekwe	Enugu	Aboine	7031	A-IREDA	⊙	-	-	-	-	-	-	1,750	-
4 Ezrambo	Enugu	Aboine	7032	SWA	-	⊙	-	-	-	-	-	1,700	-
5 Mgbowa	Enugu	Aboine	7033	A-IREDA	-	⊙	-	-	-	-	-	1,750	-
6 Lokpanta	Abia	Asa	7033	A-IREDA	⊙	-	-	-	-	-	-	1,800	-
7 Umopara	Abia	Asa	7053	MANR	⊙	-	-	-	-	-	-	2,400	-
8 Eburwana	Abia	Cross	7060	A-IREDA	-	⊙	-	-	-	-	-	1,850	-
9 Igberere	Abia	Igwu	7060	A-IREDA	⊙	-	-	1,300	-	-	15	1,900	6
10 Yakun	Cross River	Cross	7060	CRBDA	⊙	-	-	-	-	-	-	1,800	-
Sub-total	-	-	-	-	7	5	0	1,300	-	0	-	-	-
8. HA-8													
1 Ibrahim Adamu	Jigawa	Gari	8021	WRECA	⊙	-	-	-	-	-	-	600	-
2 Tomas	Kano	Tomas	8022	MANR	⊙	-	-	1,800	-	-	585	650	59
3 Jakara	Kano	Jakara	8024	WRECA	⊙	-	-	2,000	-	-	559	650	56
4 Marashi	Kano	Marashi	8031	WRECA	⊙	-	-	-	-	-	43	700	9

Table 12 Existing Small Dam (4/6)

(4)

Project	Reservoir						Dam						Cost (Million N)
	Area (km ²)	Capacity (MCM)		Water Level (m)		Type	Height (m)	Length (m)	Volume (MCM)	Outlet (m ³ /sec)	Spillway (m ³ /sec)	Completion Year	
		Total	Active	Dead	FWL								
3 Igbakwu						Earth							
4 Nkisi						Concrete							
5 Ifite						Earth							
6 Ubo													
7 Omerobi													
Sub-total	-	0.8	0.6	0.2	-	-	-	-	-	-	-	-	-
6. HA-6													
1 Ofiki (A)		1.3	1.1	0.2		Earth	12.6	580				1983	
2 Ofiki (B)		0.6	0.5	0.1			12.3	520				1981	
3 Fawfaw	0.2	0.7	0.6	0.1	366.2	Earth	14.6	262		129		1966	52.0
4 Igboho		1.2	0.9	0.3		Earth	10.0					1988	
5 Sepeteri (A)		2.6	2.4	0.2		Earth	13.6	685				1984	
6 Sepeteri (B)		1.9	1.3	0.6		Earth	13.5	720				1989	
7 Awon	2.0	10.0	8.4	1.6		Earth	13.1	326		255		1961	68.0
8 Lekan Are		0.6	0.6	0.0		Earth	10.0	1,500					0.4
9 Opeki	0.9	2.6	1.9	0.7	98.4	Earth	10.5	253		778		1967	57.6
10 Kokoloki Weir		0.1	0.1	-		Concrete							
11 Oke Odan		7.5	7.2	0.3		Earth							
12 Eleyele	1.6	7.0	5.5	1.5	174.7	Earth	14.6	244		368		1942	60.0
13 Otin		5.5	4.6	0.9			14.0	556				1974	
14 Eko-ende	4.9	5.5	4.5	1.0	336.3	Earth	13.7	556		877		1973	68.0
15 Aviba	0.6	1.6	1.5	0.1		Earth	11.6	45		91		1957	44.8
16 Erinle (old)	1.6	5.3	4.1	1.2	278.0	Earth	10.5	400		800		1954	80.0
17 Oba	3.2	4.6	4.1	0.5		Earth	13.4	500		453		1964	36.0
18 Esa-odo		0.1	0.1	0.0		Concrete	11.3	1,732				1977	36.0
19 Owena		10.0	9.0	1.0		Earth	9.0					1982	
20 Owo		0.2	0.2	0.0		Concrete	5.0					1961	
21 Ado-ekiti		10.0	9.2	0.8		Earth	10.0					1961	
22 Ojirami		4.1	3.8	0.3		Earth	14.5	377				1973	
23 Igo-ani		1.0	0.9	0.1		Earth	5.0					1982	
24 Ayede		1.0	0.9	0.1		Earth	5.0					1980	
25 Ikare		8.8	7.5	1.3		Earth	13.0					1958	
26 Ikpoba		1.5	1.3	0.2		Zone Earth		661					
Sub-total	-	95.1	82.1	13.0	-	-	-	-	-	-	-	-	-
7. HA-7													
1 Effium						Earth		107					
2 Abina						Earth		46					
3 Ohatekwe						Earth							
4 Ezzamgbo						Concrete	2.4	91					
5 Mgbowa						Earth							
6 Lokpanta						Earth							
7 Umopara						Earth		220					
8 Eburwana						Earth							
9 Igberere		0.4	0.3	0.1	35.4	Earth	5.0			50			
10 Yakun						Earth		170					
Sub-total	-	0.4	0.3	0.1	-	-	-	-	-	-	-	-	-
8. HA-8													
1 Ibrahim Adamu	2.6	8.0	7.4	0.6	456.0	Earth	9.1	183				1974	
2 Tomos	15.0	60.3	56.6	3.7	432.8	Earth	13.7	3,353				1976	
3 Jakara	16.6	65.4	54.5	10.9	425.2	Earth	14.3	2,438				1976	
4 Marashi	2.1	6.8	5.8	1.0	583.7	Earth	11.5	540		385		1980	1.0

TABLE 12 EXISTING SMALL DAMS (5/6)

(5)

Project	State	River	SSIA No.	Agency	Objective			Beneficiary				Basin Hydrology		
					Irri.	W.S.	H.P.	Irri. Area (ha)	Power Output (MW)	Water Supply (Popu.)	Catch. Area (km ²)	Rainfall (mm)	Inflow (MCM)	
5 Pada	Kano	Pada	8031	H-JRBDA	○	⊙	-	200	-	-	62	700	13	
6 Kango	Kano	Kango	8032	WRECA	○	⊙	-	-	-	-	41	700	9	
7 Galala	Bauchi	Galala	8052	H-JRBDA	⊙	-	-	2,500	-	-	462	700	46	
8 Birnin Kudu	Jigawa	Iggi	8060	SWA	-	⊙	-	-	-	-	40	650	9	
9 Warwade	Jigawa	-	8072	WRECA	⊙	○	-	240	-	-	106	650	21	
10 Alau	Borno	Ngadda	8132	CBDA	⊙	○	-	2,000	-	-	4,105	500	164	
11 Hadejia	Jigawa	Hadejia	8073	H-JRBDA	⊙	-	-	12,500	-	-	25,900	500	-	
Sub-total	-	-	-	-	7	4	0	21,240	-	-	-	-	-	
Total	-	-	-	-	44	53	1	40,420	16	2,298,300	-	-	-	

Table 12 Existing Small Dam (6/6)

(6)

Project	Reservoir						Dam						Cost			
	Area (km ²)	Capacity			Water Level		Type	Height (m)	Length (m)	Volume (MCM)	Outlet (m ³ /sec)	Spillway Completion (m ³ /sec)		Year	N	(Million)
		Total (MCM)	Active (MCM)	Dead (MCM)	FWL (m)	LWL (m)										
5 Pada	4.1	12.0	10.5	1.5	584.3	579.7	Earth	14.2	2,150				1980		2.9	
6 Rango	2.6	8.7	7.9	1.6			Earth	14.5	1,220				UC		2.2	
7 Galala	1.1	23.0	20.0	3.0			Earth	12.0	440				1982		6.0	
8 Birmin Kudu	6.5	1.2	0.9	0.3	424.1	421.6	Earth	6.7	1,931				1970			
9 Warwade	5.3	12.3	9.7	2.6	411.0	408.4	Earth	10.0	2,780							
10 Alau	50.0	112.4	106.0	6.4	329.0	324.0	Earth	9.5	344		13	251	1992		48.3	
11 Hadejia	20.0		14.0	0.0			Concrete					150	1992			
Sub-total	-	310.0	293.3	31.6	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	600.8	532.5	83.0	-	-	-	-	-	-	-	-	-	-	-	-

