

RIVER STATION BASIN		CATCHMENT AREA												: 57,670 Km ²		: 105 m						
		ALTIITUDE												Maximum Discharge		Minimum Discharge						
A.D.	Mean Discharge (m ³ /s)												Season		Maximum Discharge		Minimum Discharge					
	Dry Season			Rainy Season									Annual		Rainy		Dry		m ³ /s		Date	
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.		Rainy		Dry		m ³ /s		Date		
1980	77.7	59.9	40.3	31.6	37.9	48.7	61.2	201	261	1,130	504	278	227.6	284.4	114.0	1,540	05/10	18.4	21/07			
1981	197	290	456	393	518	550	429	-	428	538	538	538	-	-	370.3	-	-	-	-	-	-	
1982	598	593	566	324	314	378	149	139	248	465	471	471	387.2	302.3	557.0	668	20/02	87.3	03/08			
1983	432	465	448	310	107	132	185	147	307	398	169	169	292.1	248.9	378.5	585	19/11	20.0	04/05			
1984	58.4	51.0	33.5	15.5	36.0	86.1	127	176	116	146	182	182	96.1	103.6	81.2	384	01/08	5.22	18/04			
1985	269	-	-	-	247	249	238	413	1,000	299	250	250	-	-	-	1,930	24/09	-	-	-	-	
1986	348	340	394	416	329	265	-	100	104	203	196	196	-	-	319.5	538	12/04	63.5	07/08			
1987	244	228	236	270	244	310	143	175	322	361	335	335	269.0	273.1	260.8	494	15/10	59.3	01/08			
1988	376	422	396	304	146	172	155	221	350	350	374	374	313.8	274.6	392.0	614	14/10	66.8	23/05			
1989	299	302	281	360	419	203	261	299	330	430	346	346	333.1	346.1	307.0	674	24/10	96.6	08/06			
1990	228	287	317	342	279	265	175	173	164	229	263	263	242.5	226.9	273.8	450	26/04	57.9	01/09			
1991	266	249	209	209	208	220	209	226	198	264	322	322	233.0	218.8	261.5	590	27/05	50.9	14/05			
1992	253	310	250	223	219	267	247	192	144	213	234	234	226.8	209.3	261.8	395	15/07	78.4	11/10			
1993	-	-	253	353	362	244	200	208	389	301	292	292	-	292.4	-	511	13/10	129	27/07			
1994	287	228	200	281	279	186	148	222	281	866	322	322	354.5	402.1	259.3	1,800	23/10	110	18/07			
1995	290	303	292	395	328	372	403	503	653	550	419	419	463.2	531.8	326.0	1,510	03/10	245	18/01			
1996	407	292	287	327	345	353	487	487	525	443	373	373	436.3	484.5	339.8	-	-	-	-	-	-	
Average	289.4	294.7	291.2	284.6	259.9	253.0	226.1	242.6	333.0	385.9	315.5	315.5	306.6	311.0	297.7	1,930	24/9/85	5.22	18/4/84			
MCM	775.1	712.9	780.0	737.7	696.1	655.8	605.6	649.8	863.1	1,000.3	845.0	845.0	9,668.6	6,555.6	3,113.0							
mm	13.4	12.4	13.5	12.8	12.1	11.4	10.5	11.3	15.0	17.3	14.7	14.7	167.7	113.7	54.0							
m ³ /s/100km ²	0.50	0.51	0.50	0.49	0.45	0.44	0.39	0.42	0.58	0.67	0.55	0.55	0.53	0.54	0.52							

Note: "-" means data not available

Source: Director of Water

RIVER STATION BASIN	CATCHMENT AREA												Minimum										
	: SASSANDRA												: 70,550 Km ²										
	: GAOULOU PONT												: 10 m										
ALTIITUDE												Maximum											
A.D.	Mean Discharge (m ³ /s)												Discharge										
	Dry Season						Rainy Season						Date										
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Dry	Rainy	Annual	Avg.	Dry	Rainy	Season	Discharge	Date	Discharge	Date
1980	97.5	72.3	56.2	35.8	110	153	54.1	249	290	1,180	602	278	334.2	264.8	264.8	126.0	374.3	126.0	2,020	07/10	15.1	25/07	
1981	218	339	424	511	580	549	469	-	-	509	490	516	-	-	-	374.3	-	-	-	-	-	-	-
1982	541	587	549	313	409	627	260	240	283	434	508	478	384.3	435.8	435.8	538.8	384.3	384.3	1,560	14/06	144	29/07	
1983	467	480	474	356	193	382	304	231	386	456	466	271	346.8	372.2	372.2	423.0	346.8	346.8	1,020	22/06	53.0	06/05	
1984	112	-	68.8	42.8	101	255	329	326	234	293	243	255	228.0	-	-	-	228.0	-	743	03/08	19.2	20/04	
1985	329	363	398	380	349	495	364	658	1,340	1,120	443	335	643.6	547.8	547.8	356.3	643.6	643.6	2,790	29/09	108	14/02	
1986	446	424	504	535	451	391	172	171	191	261	303	267	309.4	343.0	343.0	410.3	309.4	309.4	721	13/04	111	16/07	
1987	310	295	316	333	335	404	238	290	489	523	446	390	382.3	364.1	364.1	327.8	382.3	382.3	850	15/10	144	02/08	
1988	427	468	465	368	256	314	265	302	523	756	532	498	414.5	431.2	431.2	464.5	414.5	414.5	940	15/10	156	23/05	
1989	400	397	373	-	-	367	415	426	520	786	613	472	-	-	-	410.5	-	-	1,170	23/10	166	15/07	
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	348	382	428	501	350	271	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	342	406	341	-	-	253	352	331	-	-	-	-	-	-	-	-	-	-	-
1993	303	284	420	489	498	391	278	321	417	663	421	398	434.8	406.9	406.9	351.3	434.8	434.8	850	13/10	179	07/02	
1994	393	313	298	392	429	345	225	315	412	1,380	1260	431	594.8	516.1	516.1	558.8	594.8	594.8	2,410	24/10	175	09/02	
1995	377	388	417	555	473	604	-	-	-	1,480	765	567	-	-	-	437.3	-	-	-	-	241	18/02	
1996	532	385	399	457	493	566	793	705	742	1,300	611	511	681.9	624.5	624.5	509.8	681.9	681.9	-	-	-	-	-
Average	m ³ /s	353.8	368.9	368.7	366.7	357.8	414.4	329.0	364.2	475.2	729.1	399.9	446.7	422.1	422.1	372.8	446.7	446.7	2,790	29/9/85	15.1	25/7/80	
	MCM	947.6	892.4	987.5	950.5	958.3	1,074.1	881.2	975.5	1,231.7	1,952.8	1,391.9	1,071.1	13,314.6	13,314.6	3,898.6	9,416.0	9,416.0					
	mm	13.4	12.6	14.0	13.5	13.6	15.2	12.5	13.8	17.5	27.7	15.2	188.7	188.7	188.7	55.3	133.5	133.5					
	m ³ /s/100km ²	0.50	0.52	0.52	0.52	0.51	0.59	0.47	0.52	0.67	1.03	0.76	0.57	0.60	0.60	0.53	0.63	0.63					

Note: "-" means data not available

Source: Director of Water

RIVER : SASSANDRA : 16,600 Km²
 STATION : DABALA : m
 BASIN : SASSANDRA

CATCHMENT AREA
 ALTITUDE

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
	Dry Season			Rainy Season						Dry Season			Annual Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
1980	28.9	16.5	14.3	14.4	39.0	34.7	70.3	256	389	224	112	41.1	103.4	146.8	42.6	539	08/09	6.16	07/03
1981	18.6	9.87	9.57	13.6	48.2	43.0	282	487	451	182	78.0	31.9	137.9	215.3	29.6	677	13/09	5.55	06/03
1982	16.9	14.0	13.4	45.0	52.1	43.1	150	355	466	263	126	46.9	132.6	196.3	43.4	630	01/09	4.98	12/03
1983	24.6	19.3	-	11.5	19.5	45.2	66.0	181	249	89.0	37.8	17.8	-	94.5	-	343	20/09	3.10	05/04
1984	7.33	3.55	6.44	6.98	26.2	58.1	98.0	230	373	145	51.3	18.8	85.4	133.9	17.5	532	08/09	1.19	29/02
1985	8.58	-	-	5.04	18.2	17.7	-	518	456	206	84.2	32.7	-	-	-	731	09/09	3.10	06/04
1986	14.6	8.50	16.1	10.8	14.1	15.5	63.9	197	316	155	116	30.7	79.9	110.3	37.2	501	04/09	5.14	20/04
1987	16.2	9.36	8.22	7.37	7.62	-	28.8	138	315	195	48.9	26.1	-	-	19.4	472	04/09	3.24	30/04
1988	9.70	-	-	6.24	12.5	28.9	-	338	495	175	59.8	25.0	-	-	-	851	24/08	3.10	22/02
1989	-	-	-	-	11.0	19.0	127	337	379	159	-	-	-	-	-	-	-	-	-
1990	-	-	-	-	-	-	-	-	-	-	56.1	35.1	-	-	-	-	-	-	-
1991	11.8	5.88	-	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	20.2	45.5	114	274	-	-	84.9	31.4	-	-	-	-	-	-	-
1993	15.3	7.41	12.2	12.2	37.1	38.3	78.0	255	369	224	77.9	33.2	96.6	144.8	29.2	506	10/09	5.46	23/02
1994	16.6	11.5	8.70	8.63	18.8	31.4	89.6	146	505	572	315	83.8	150.6	195.9	87.1	713	14/10	5.46	08/04
1995	38.9	19.4	21.90	40.5	30.7	32.3	102	421	458	278	97	40.6	131.7	194.6	43.6	627	10/09	9.62	08/03
1996	21.3	20.6	11.2	17.4	28.3	84	87.8	220	450	271	83.8	44.8	111.7	165.5	36.3	-	-	-	-
Average	17.8	12.2	12.2	15.0	25.6	38.3	104.4	290.2	405.1	224.1	95.2	36.0	106.3	157.5	34.7	851	24/8/88	1.19	29/2/84
MCM	47.7	29.5	32.7	38.9	68.6	99.3	279.6	777.3	1,050.0	600.2	246.8	96.4	3,367.0	2,913.9	453.1	-	-	-	-
mm	2.9	1.8	2.0	2.3	4.1	6.0	16.8	46.8	63.3	36.2	14.9	5.8	202.8	175.5	27.3	-	-	-	-
m ³ /s/100km ²	0.11	0.07	0.07	0.09	0.15	0.23	0.63	1.75	2.44	1.35	0.57	0.22	0.64	0.95	0.21	-	-	-	-

Note: "-" means data not available
 Source: Director of Water

RIVER : BAFING
 STATION : BADALA (BAFINGDALA)
 BASIN : SASSANDRA

CATCHMENT AREA : 5,930 Km²
 ALTITUDE : 410 m

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge					
	Dry Season			Rainy Season						Dry Season			Annual		Season		m ³ /s	Date		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s			Date	
1980	-	-	-	-	32.8	23.5	28.2	143	-	126	78.2	31.7	-	-	-	-	7.51	18/02		
1981	13.9	8.56	6.85	15.7	35.3	24.1	88.2	149	151	90.0	47.1	19.5	54.1	70.0	22.3	238	17/09	03/03		
1982	8.24	10.7	7.54	25.0	32.6	58.1	85.4	167	178	110	61.9	25.7	64.2	83.0	26.6	298	19/08	12/03		
1983	11.2	8.95	3.13	9.26	15.1	25.1	22.0	48.5	108	57.7	28.6	12.0	29.1	36.1	15.2	183	20/09	26/03		
1984	3.58	1.25	4.07	6.75	28.0	41.4	61.5	135	125	89.4	36.2	13.8	45.5	61.4	13.7	198	02/08	02/03		
1985	5.27	1.72	4.14	5.37	17.0	22.8	93.1	200	227	112	53.4	22.6	63.7	85.2	20.7	278	13/09	21/02		
1986	7.87	4.64	9.80	7.45	16.0	26.9	36.2	91.1	114	79.6	69.6	16.5	40.0	47.6	24.7	160	01/10	18/02		
1987	7.68	4.18	5.22	4.86	6.52	24.5	41.5	95.8	202	130	43.5	24.8	49.2	63.8	20.0	241	18/09	28/04		
1988	7.68	2.77	5.20	8.00	15.5	26.2	47.2	141	218	90.7	44.3	22.2	52.4	69.0	19.2	283	25/08	28/02		
1989	6.74	3.81	11.4	13.4	12.9	15.3	75.0	163	229	130	48.6	23.7	61.1	81.3	20.7	332	12/09	09/03		
1990	11.2	4.99	3.89	11.7	27.0	25.4	40.0	77.1	114	85.5	51.5	-	-	48.1	-	151	11/09	26/03		
1991	12.5	6.65	9.12	17.5	20.3	54.1	72.5	80.5	96.6	83.1	33.8	17.7	42.0	54.2	17.7	139	02/09	13/02		
1992	5.34	6.07	3.51	11.0	18.1	55.1	57.3	117	171	126	65.9	24.0	55.0	69.9	25.3	229	24/09	24/03		
1993	9.78	3.38	20.4	15.1	17.8	62.1	-	-	220	-	69.9	30.0	-	-	28.3	-	2.13	19/02		
1994	11.9	9.71	9.68	10.0	14.2	27.6	63.1	70.5	240	318	130	43.3	79.0	94.1	48.7	516	22/10	10/02		
1995	20.3	9.33	15.3	34.6	36.8	48.2	86.3	181	235	165	72.5	37.3	78.5	100.3	34.9	357	07/09	23/02		
1996	19.1	26.5	30.2	37.7	32.4	80.8	101	156	230	198	104	48.6	88.7	108.3	49.6	-	-	-		
Average	m3/s	10.1	7.1	9.3	14.6	22.3	37.7	62.4	126.0	178.7	124.4	61.1	25.8	56.6	71.9	26.0	516	22/10/94	0.49	2/3/84
	MCM	27.1	17.2	24.9	37.8	59.7	97.7	167.1	337.5	463.2	333.2	158.4	69.1	1,792.9	1,521.1	271.8				
	mm	4.6	2.9	4.2	6.4	10.1	16.5	28.2	56.9	78.1	56.2	26.7	11.7	302.3	256.5	45.8				
	m ³ /s/100km ²	0.17	0.12	0.16	0.25	0.38	0.64	1.05	2.12	3.01	2.10	1.03	0.44	0.95	1.21	0.44				

Note: "-" means data not available
 Source: Director of Water

RIVER		CATCHMENT AREA												Minimum						
STATION		: DAVO												Discharge						
BASIN		: DAKPADOU												Date						
		: SASSANDRA												m ³ /s						
		ALTITUDE												Date						
		: 72 m												m ³ /s						
		: 6,625 Km ²												Date						
A.D.		Mean Discharge (m ³ /s)												Discharge						
		Dry Season			Rainy Season						Dry			Season		Minimum				
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date		
1980		3.28	3.99	14.2	13.5	42.4	52.7	14.5	42.5	52.2	54.1	40.0	19.1	29.4	39.0	10.1	116	24/09	2.03	24/01
1981		2.00	1.55	7.02	10.1	28.4	25.9	34.2	19.4	25.3	49.2	34.3	11.1	20.7	28.4	5.4	65	24/06	0.743	03/02
1982		1.48	0.211	-	23.6	54.1	166	71.5	21.8	8.33	14.1	25.8	3.40	-	48.2	-	361	15/06	0	16/02
1983		0.136	0.001	0.468	2.61	24.0	88.5	44.2	5.93	5.23	6.54	7.49	12.4	16.5	23.1	3.3	216	31/05	0	11/02
1984		2.84	0.141	2.36	3.32	22.0	58.7	111	68.7	39.8	63.1	23.2	9.47	33.7	48.7	3.7	146	07/07	0	15/03
1985		5.45	2.07	1.47	9.87	14.5	86.2	56.4	80.0	149	66.6	30.0	8.72	42.5	61.6	4.4	217	03/09	0.985	28/02
1986		1.94	0.700	3.23	16.9	24.7	36.3	5.88	8.84	31.3	78.8	35.2	3.73	20.6	29.7	2.4	135	18/09	0.400	14/02
1987		0.913	0.910	4.60	10.5	5.39	38.3	18.6	29.6	82.3	116	37.9	6.36	29.3	42.3	3.2	181	14/10	0.715	08/02
1988		1.71	-	3.56	7.93	10.8	37.9	34.8	8.67	51.1	133	57.3	25.8	-	42.7	-	205	09/10	-	-
1989		3.51	-	-	-	-	32.3	55.7	34.4	55.7	120	45.8	31.2	-	-	-	168	06/10	-	-
1990		28.5	10.3	4.97	13.5	36.9	90.0	100	74.5	33.9	38.1	73.1	42.1	45.5	57.5	21.5	126	29/06	2.62	16/03
1991		-	-	-	-	46.0	71.7	62.0	22.6	19.8	17.7	34.4	15.9	-	-	-	147	05/06	-	-
1992		-	-	-	-	12.5	33.5	6.90	1.39	1.33	22.0	25.3	4.81	-	-	-	65	16/06	-	-
1993		1.12	0.713	1.20	12.2	21.9	35.1	28.5	4.45	20.2	64.7	42.5	17.8	20.9	28.7	5.2	97	20/10	0.400	02/03
1994		1.81	1.91	13.3	10.3	32.2	46.4	12.8	12.2	34.6	54.5	58.4	8.67	23.9	32.7	6.4	156	28/06	0.400	17/02
1995		0.926	0.339	4.23	31.1	48.4	62.8	72.5	23.9	66.6	89.6	37.0	21.00	38.2	60.6	15.8	151	03/10	0.220	21/02
1996		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	m ³ /s	4.0	1.9	5.1	12.7	28.3	60.1	45.6	28.7	42.3	61.8	38.0	15.1	28.6	39.7	6.5	361	15/6/82	0	-
	MCM	10.7	4.6	13.7	32.9	75.8	155.8	122.1	76.9	109.6	165.5	98.5	40.4	906.5	837.1	69.4	-	-	-	-
	mm	1.6	0.7	2.1	5.0	11.4	23.5	18.4	11.6	16.5	25.0	14.9	6.1	136.8	126.4	10.5	-	-	-	-
	m ³ /s/100km ²	0.06	0.03	0.08	0.19	0.43	0.91	0.69	0.43	0.64	0.93	0.57	0.23	0.43	0.60	0.10	-	-	-	-

Note: "-" means data not available

Source: Director of Water

RIVER : NZO : NZO : 4,310 Km²
 STATION : KAHIN : KAHIN :
 BASIN : SASSANDRA : SASSANDRA : m

CATCHMENT AREA
 ALTITUDE

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge					
	Dry Season			Rainy Season			Dry Season			Annual			Season		Discharge		Date			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date	
1980	-	-	-	-	-	-	-	262	-	113	57.1	23.8	-	-	-	-	-	-	-	
1981	6.51	1.70	2.20	3.18	12.1	8.21	60.4	153	126	78.4	30.3	12.0	41.2	55.4	12.6	304	07/08	0.522	21/04	
1982	2.98	2.01	4.05	7.64	12.8	31.5	35.5	160	169	75.9	31.7	9.12	45.2	62.0	11.5	326	01/09	0.200	09/02	
1983	1.91	0.901	0.548	0.739	2.47	15.2	10.6	50.7	164	91.3	24.8	10.2	31.1	41.9	9.5	340	21/09	0.052	31/03	
1984	2.42	0.901	0.722	2.33	13.8	33.9	44.8	108	86.5	69.9	21.7	9.03	32.8	45.0	8.5	196	23/08	0.052	10/03	
1985	2.75	0.662	3.83	4.07	7.23	13.7	92.5	189	276	109	35.9	11.6	62.2	86.9	12.7	467	23/09	0.120	25/02	
1986	2.36	1.68	10.0	5.93	13.7	12.5	24.0	42.8	114	63.5	32.9	7.12	27.5	35.8	11.0	173	27/09	0.522	06/02	
1987	2.51	1.22	2.55	1.87	0.691	7.10	13.7	49.7	193	95.1	26.1	9.55	33.6	45.5	9.8	295	13/09	0.294	20/05	
1988	1.53	0.215	1.03	5.42	6.70	20.2	66.8	207	264	103	37.0	18.0	60.9	84.3	14.2	491	04/09	0	07/03	
1989	3.73	0.895	6.45	6.24	4.90	9.38	32.9	102	200	96.0	32.3	12.2	42.2	57.2	12.3	372	31/08	0.522	23/02	
1990	4.41	0.943	1.31	6.02	11.9	6.40	33.3	65.3	143	73.9	37.2	28.1	34.3	42.6	17.7	267	30/08	0.243	30/03	
1991	5.98	1.54	2.39	6.67	27.7	37.9	32.1	98.7	138	82.1	35.5	14.7	40.3	53.2	14.4	326	28/08	0.887	06/03	
1992	3.81	2.61	4.52	8.57	11.4	20.3	80.0	119	156	134	49.6	-	53.6	66.7	-	293	03/10	1.15	05/02	
1993	4.48	0.974	3.79	4.44	5.28	10.8	29.2	84.8	134	115	35.5	15.6	37.0	48.4	14.1	262	13/10	0.403	14/02	
1994	-	-	3.32	5.32	8.36	9.85	62.1	69.4	389	329	109	30.2	101.6	109.5	-	635	24/09	0.183	21/02	
1995	7.47	1.13	8.76	11.2	26	42.8	83	227.0	318	262	88	41.1	93.1	122.3	34.5	525	29/09	0.19	02/03	
1996	16.7	15.3	16.8	20.9	16.6	51.9	150.0	208	363	215	73.0	44.9	99.3	130.3	37.5	-	-	-	-	
Average	4.6	2.2	4.5	6.3	11.4	20.7	53.2	129.2	202.1	123.9	44.6	18.6	51.8	68.9	17.5	635	24/9/94	0	03/07	
MCM	12.3	5.3	12.1	16.3	30.5	53.7	142.5	346.0	523.8	331.9	115.6	49.8	1,639.8	1,456.8	183.0					
mm	2.9	1.2	2.8	3.8	7.1	12.5	33.1	80.3	121.5	77.0	26.8	11.6	380.5	338.0	42.5					
m ³ /s/100km ²	0.11	0.05	0.10	0.15	0.26	0.48	1.23	3.00	4.69	2.87	1.03	0.43	1.20	1.60	0.41					

Note: "-" means data not available
 Source: Director of Water

RIVER		: TIEMBA												CATCHMENT AREA		: 2,790 Km ²				
STATION		: DIOULATIÉDOUGOU												ALTITUDE		: m				
BASIN		: SASSANDRA																		
A.D.		Mean Discharge (m ³ /s)												Maximum		Minimum				
		Dry Season			Rainy Season						Dry Season			Discharge		Discharge				
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
1980		1.73	0.547	0.071	0.040	0.593	1.22	8.03	24.1	92.1	-	-	4.97	-	-	-	214	05/09	0	03/04
1981		1.54	0.569	0.099	0.072	0.729	4.75	43.5	107	93.5	40.6	14.5	6.29	26.1	48.3	3.8	163	08/08	0.034	04/04
1982		1.43	0.709	1.53	0.683	0.434	0.782	11.1	51.5	85.3	36.5	21.2	6.28	18.1	30.9	5.3	155	29/08	0	25/05
1983		1.91	0.951	0.154	0.025	0.038	1.41	1.27	12.6	31.5	7.41	2.75	0.902	5.1	9.0	1.1	57.1	04/09	0.018	11/04
1984		0.142	0.056	0.070	0.048	0.062	2.90	7.28	32.4	81.5	27.7	6.28	1.64	13.3	25.3	1.4	135	16/02	0.041	04/03
1985		0.366	0.095	0.058	0.052	0.051	0.049	3.97	75.4	48.2	22.8	7.59	1.42	13.3	25.1	1.6	159	15/08	0.041	10/05
1986		0.220	0.069	0.057	0.050	0.224	0.062	1.85	22.4	47.8	20.5	13.2	1.98	9.0	15.5	2.6	77.4	03/09	0.044	18/04
1987		0.368	0.099	0.055	0.031	0.029	0.028	0.643	15.3	58.6	24.4	5.07	1.58	8.9	16.5	1.2	135	04/09	0.014	01/05
1988		0.306	0.086	0.062	0.071	0.070	0.182	17.5	62.2	119	38.6	9.92	3.03	20.9	39.6	2.2	168	06/09	0.041	22/04
1989		0.547	0.243	0.117	0.070	0.071	0.070	7.93	69.0	89.7	32.6	9.79	2.64	17.7	33.2	2.2	158	12/09	0.057	14/04
1990		1.87	0.465	0.095	0.065	0.302	0.270	19.3	41.5	41.9	24.1	11.2	2.94	12.0	21.2	2.8	66.8	25/07	0.052	15/05
1991		0.641	0.149	0.071	0.072	0.322	0.132	6.64	60.0	58.4	38.3	14.9	4.21	15.3	27.3	3.3	134	22/08	0.055	09/04
1992		0.666	0.186	0.066	0.060	0.112	0.713	9.11	19.8	21.7	21.5	10.9	1.96	7.2	12.2	2.3	39.6	02/10	0.057	27/03
1993		0.188	0.052	0.047	0.042	0.047	0.047	0.163	10.2	50.6	26.3	5.79	1.17	7.9	14.6	1.2	79.8	16/09	0.036	21/04
1994		0.210	0.080	0.057	0.039	0.032	0.203	1.49	38.5	120	153	70.3	12.9	33.1	52.2	13.9	214	10/10	0.014	18/05
1995		4.940	1.480	0.322	0.178	0.129	0.157	7.23	99.3	94.8	53	17.3	5.89	23.7	42.4	5.0	160	31/08	0.074	19/05
1996		2.19	1.04	0.159	0.072	0.068	1.13	3.19	28	94.5	47.7	13.7	6.56	16.5	29.1	4.0	-	-	-	-
Average	m ³ /s	1.1	0.4	0.2	0.1	0.2	0.8	8.8	45.2	72.3	38.4	14.6	3.9	15.5	27.6	3.4	214	5/9/80	0	
	MCM	2.9	1.0	0.5	0.3	0.5	2.1	23.6	121.1	187.4	102.9	37.8	10.4	490.5	437.6	52.9				
	mm	1.0	0.4	0.2	0.1	0.2	0.8	8.5	43.4	67.2	36.9	13.5	3.7	175.8	156.8	19.0				
	m ³ /s/100km ²	0.04	0.01	0.01	0.004	0.01	0.03	0.32	1.62	2.59	1.38	0.52	0.14	0.56	0.99	0.12				

Note: "-" means data not available

Source: Director of Water

RIVER : SASSANDRA CATCHMENT AREA : 42,250 Km²
 STATION : BUYO DAM ALTITUDE :
 BASIN : SASSANDRA

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
	Dry Season			Rainy Season						Dry			Annual Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	56.2	65.0	0	66.2	126.3	309.9	366.3	922.2	1,086.7	603.2	298.8	139.4	336.7	472.5	65.2	-	-	-	-
1983	74.1	51.6	0	0	88.2	176.7	110.0	302.2	716.5	279.7	253.8	94.9	179.0	240.9	55.2	-	-	-	-
1984	0	36.9	9.9	2.5	12.2	215.7	395.1	263.7	731.9	391.1	142.4	96.7	191.5	269.3	35.9	-	-	-	-
1985	108.0	74.4	34.8	16.9	33.0	53.3	386.6	1,310.1	1,479.2	672.5	220.8	128.8	376.5	521.6	86.5	-	-	-	-
1986	83.4	81.7	11.7	0	0	6.9	122.9	432.0	770.7	410.0	246.2	87.0	187.7	248.6	66.0	-	-	-	-
1987	81.0	42.0	6.2	7.7	17.2	42.7	85.0	471.0	1,082.0	714.3	131.2	81.7	230.2	318.9	52.7	-	-	-	-
1988	37.6	0	0	0	19.3	125.8	342.6	964.9	1,480.8	506.1	175.1	38.4	307.6	451.8	19.0	-	-	-	-
1989	3.3	19.7	0	0	0	54.3	313.0	913.8	1,268.4	702.3	163.1	35.6	289.5	426.9	14.7	-	-	-	-
1990	24.5	0	0	0	16.2	0	146.4	441.2	728.1	460.7	176.0	105.7	174.9	246.1	32.6	-	-	-	-
1991	0	0	0.9	8.8	199.1	241.9	342.2	581.2	532.4	522.9	224.2	170.2	235.3	331.6	42.8	-	-	-	-
1992	50.7	61.3	21.7	45.4	44.1	144.3	291.7	620.4	748.6	620.3	280.7	111.8	253.4	349.4	61.4	-	-	-	-
1993	44.5	35.8	62.6	34.2	84.0	150.4	247.3	494.3	954.9	745.2	266.6	102.8	268.6	372.1	61.4	-	-	-	-
1994	42.5	16.6	27.7	18.6	14.3	76.6	228.9	341.5	1,772.3	1,875.9	805.1	204.9	452.1	641.7	72.9	-	-	-	-
1995	118.3	58.8	76.7	112.3	137.9	131.5	294.2	1,077.0	1,461.6	1,216.8	388.3	227.9	441.8	602.5	120.4	-	-	-	-
1996	114.2	128.0	115.7	180.4	132.9	319.0	585.8	823.1	1,350.1	1,075.8	317.9	238.4	448.4	598.1	149.1	-	-	-	-
Average	m ³ /s	55.9	44.8	24.5	32.9	61.6	136.6	283.9	1,077.6	719.8	272.7	124.3	291.5	406.1	62.4	-	-	-	-
	MCM	149.7	108.4	65.6	85.3	165.0	354.1	760.4	1,778.2	2,793.1	1,927.9	706.8	9,227.4	8,570.8	656.6	-	-	-	-
	mm	3.5	2.6	1.6	2.0	3.9	8.4	18.0	42.1	66.1	16.7	7.9	218.4	202.9	15.5	-	-	-	-
	m ³ /s/100km ²	0.13	0.11	0.06	0.08	0.15	0.32	0.67	1.57	2.55	1.70	0.65	0.69	0.96	0.15	-	-	-	-

Note: "-" means data not available

Source: Ministry of Energy

RIVER STATION BASIN	: COMOE		CATCHMENT AREA												: 74,350 Km ²						
	: ABRADINOU		ALTITUDE												: m						
	: COMOE		Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
	Dry Season		Rainy Season												m ³ /s		Date				
A.D.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Avg.	Rainy	Dry	Season	m ³ /s	Date	m ³ /s	Date	
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	67.9	43.5	137	73.5	35.6	8.64	-	-	-	-	181	08/07	-	-	
1983	1.54	0.138	0	1.16	7.27	53.8	31.8	42.3	58.3	50.3	7.05	3.10	21.4	31.5	1.2	31.5	157	21/06	0	26/03	
1984	0.689	0.013	2.76	16.8	15.5	38.0	112	202	199	353	81	16.3	86.4	127.2	4.9	127.2	497	17/10	0	09/03	
1985	4.29	0.840	0.733	3.08	6.74	25.0	210	518	648	458	89.7	21.5	165.5	244.8	6.8	244.8	851	27/08	0.183	18/03	
1986	5.41	2.17	0.878	1.22	1.32	38.0	34.1	145	430	377	98.6	22.7	96.4	140.7	7.8	140.7	667	02/10	0.458	11/03	
1987	6.61	2.02	1.31	7.51	2.11	14.4	50.6	263	850	567	93.4	20.3	156.5	231.0	7.6	231.0	1,060	01/10	0.367	15/03	
1988	6.20	2.01	1.94	4.19	9.22	34.5	123	167	635	676	84.6	22.0	147.1	216.7	8.0	216.7	967	10/10	0.752	01/03	
1989	7.52	2.04	2.29	6.85	31.3	63.5	214	433	-	-	163	37.6	-	-	12.4	-	-	-	0.550	07/03	
1990	12.9	9.01	4.75	11.2	23.0	50.0	41.9	219	290	181	48.7	30.2	76.8	108.1	14.2	108.1	328	20/09	0.954	03/04	
1991	12.9	4.30	2.96	12.2	39.1	86.4	-	241	506	-	-	19.9	-	-	10.0	-	-	-	1.16	15/03	
1992	7.78	7.92	3.25	14.2	32.1	30.7	41.4	64.3	137	137	57.0	13.6	45.5	64.2	8.1	64.2	322	21/09	1.56	21/03	
1993	4.38	1.47	1.14	5.09	19.2	57.5	44.3	73.7	415	283	75.3	24.0	83.7	121.6	7.7	121.6	495	10/09	0.550	26/03	
1994	5.18	1.40	2.57	1.63	17.4	27.5	9.68	182	465	855	381	40.7	165.8	242.4	12.5	242.4	925	13/10	0.458	03/04	
1995	10	3.13	1.78	17.5	103	77.1	97.2	173	474	599	169	34.7	146.6	213.7	12.4	213.7	729	07/10	1.160	27/03	
1996	12.0	8.28	19.4	19.3	27.1	114	216	206	394	490	113	24.8	137.0	197.4	16.1	197.4	-	-	-	-	
Average	7.0	3.2	3.3	8.7	23.9	50.7	92.4	198.2	402.7	392.3	106.9	22.7	109.3	159.5	9.1	159.5	1,060	1/10/87	0	-	
MCM	18.7	7.7	8.8	22.6	64.0	131.4	247.5	530.9	1,043.8	1,050.7	277.1	60.8	3,464.0	3,368.0	96.0	3,368.0	-	-	-	-	
mm	0.3	0.1	0.1	0.3	0.9	1.8	3.3	7.1	14.0	14.1	3.7	0.8	46.6	45.3	1.3	45.3	-	-	-	-	
m ³ /s/100km ²	0.01	0.004	0.004	0.01	0.03	0.07	0.12	0.27	0.54	0.53	0.14	0.03	0.15	0.21	0.01	0.21	-	-	-	-	

Note: "-" means data not available
Source: Director of Water

RIVER		: COMOE												CATCHMENT AREA				: 57,000 Km ²													
STATION		: AKAKOMOEKRO												ALTITUDE				: m													
BASIN		: COMOE																													
A.D.		Mean Discharge (m ³ /s)												Annual		Season		Maximum Discharge		Minimum Discharge											
		Dry Season						Rainy Season						Dry		Rainy		m ³ /s		Date											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Dry	Rainy	Dry	m ³ /s	Date
1980		5.16	3.94	2.66	0.543	16.6	42.5	45.3	226	891	432	206	36.0	159.0	232.5	11.9	1,370	21/09	0.381	15/04											
1981		5.58	1.54	0.716	2.47	12.3	27.3	73.5	426	421	246	38.8	6.32	105.1	155.9	3.5	557	12/08	0.452	07/03											
1982		0.895	0.339	1.28	3.07	11.7	8.13	13.0	53.4	130	57	24.9	4.45	25.7	37.6	1.7	155	20/09	0	06/03											
1983		0.573	0.007	0	2.73	8.92	9.74	29.5	45.1	62	33	3.95	1.80	16.5	24.4	0.6	115	25/09	0	24/03											
1984		0.390	0.005	7.20	6.72	14.3	16.2	79.9	131	172	295	45.5	8.62	64.7	95.1	4.1	485	06/10	0	15/03											
1985		1.85	0.431	0.029	0.103	5.58	18.1	183	-	-	342	41.7	9.31	-	-	2.9	920	19/09	0	04/03											
1986		1.94	0.787	0.497	0.215	2.73	23.6	21.6	166	486	314	81.5	14.5	92.8	137.0	4.4	692	29/09	0.102	11/04											
1987		3.58	1.11	-	-	-	23.3	26.2	324	914	368	58.2	11.5	-	-	-	1,170	08/09	-	-											
1988		2.47	-	-	-	-	12.4	103	169	791	686	60.5	14.8	-	-	-	1,210	06/10	-	-											
1989		4.09	1.04	0.453	1.21	10.6	-	129	548	1,730	851	104	20.9	-	-	21.9	2,110	22/09	0.333	12/03											
1990		5.30	-	-	-	-	-	-	-	-	147	26.6	-	-	-	-	-	-	-	-	-										
1991		2.45	0.400	0.427	0.530	18.5	42.7	167	-	516	216	52.8	11.6	-	-	11.4	676	12/09	0	23/02											
1992		-	-	-	0	0.739	13.9	44.8	52.2	143	83	20.4	5.95	-	44.8	-	263	18/09	-	-											
1993		1.22	0.003	0.074	0.282	13.0	11.0	22.8	101	467	217	48.0	10.7	74.3	110.0	3.0	565	06/09	0	02/02											
1994		2.23	0.487	0.342	2.13	6.58	7.48	8.49	251	575	-	312	28.7	-	-	7.9	1,130	13/10	0.102	26/02											
1995		7.53	2.260	1.470	3.66	19.6	21.6	60.8	186	481	562	112	21.6	123.3	221.8	24.8	836	05/10	0.834	16/03											
1996		8.97	-	-	3.01	10.6	54	66.6	209	434	485	81	16.9	-	-	-	-	-	-	-	-										
Average	m ³ /s	3.4	0.9	1.3	1.9	10.8	22.1	67.2	206.3	547.6	333.4	77.5	14.0	107.2	158.4	4.9	2,110	22/9/89	0												
	MCM	9.1	2.2	3.5	4.9	28.9	57.3	180.0	552.6	1,419.4	893.0	200.9	37.5	3,389.3	3,337.0	52.3															
	mm	0.2	0.04	0.1	0.1	0.5	1.0	3.2	9.7	24.9	15.7	3.5	0.7	59.5	58.5	0.9															
	m ³ /s/100km ²	0.01	0.002	0.002	0.003	0.02	0.04	0.12	0.36	0.96	0.58	0.14	0.02	0.19	0.28	0.01															

Note: "-" means data not available

Source: Director of Water

RIVER STATION BASIN	: COMOE		CATCHMENT AREA												: 43,700 Km ²				
	: GANSE		ALTITUDE												: m				
	: COMOE																		
A.D.	Dry Season			Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Avg.		Rainy	Dry	m ³ /s	Date	m ³ /s
1980	5.37	2.29	0.711	0.655	13.9	37.0	62.5	215	878	365	122	21.0	143.6	224.6	30.3	1,310	16/09	0.180	25/04
1981	4.49	1.09	0.595	2.17	9.28	18.1	101	419	428	181	27.2	5.18	99.8	165.5	7.7	565	11/08	0.280	26/03
1982	1.47	-	-	7.90	10.8	6.93	22.3	71.7	139	57.0	25.8	4.15	-	45.1	-	177	18/09	0.120	10/03
1983	1.26	0.393	0.054	6.71	8.37	6.13	34.7	49.9	74.2	25.0	3.61	1.05	17.6	29.3	1.3	128	22/09	0	01/04
1984	0.193	0.013	7.50	2.44	10.2	17.7	82.0	110	156	190	26.7	3.62	50.5	81.2	7.6	301	05/10	0	09/03
1985	0.498	0.109	0.004	0.128	10.3	29.3	182	543	549	253	38.0	6.13	134.3	223.8	8.9	958	19/08	0	05/04
1986	1.08	0.259	0.046	1.70	5.76	23.4	31.1	198	507	290	86.2	11.0	96.3	151.0	19.7	638	27/09	0	08/04
1987	2.66	0.894	0.886	0.925	0.345	28.5	25.3	379	726	299	46.9	7.91	126.5	208.4	11.9	1,030	04/09	0.220	05/03
1988	1.94	1.42	0.290	0.672	4.24	14.6	89.2	192	696	541	49.8	-	-	219.7	-	999	03/10	0.120	15/04
1989	-	1.54	-	-	7.27	15.6	93.1	610	1,560	490	74.8	-	-	-	-	2,030	03/09	-	-
1990	-	-	-	-	-	-	40.4	-	-	-	-	-	-	-	-	-	-	-	-
1991	0	0	-	-	-	16.4	-	-	-	-	32.1	0.800	-	-	-	-	-	0	-
1992	0	0	0	0.073	0.144	6.50	40.4	-	130	60.1	6.15	0	-	-	1.2	283	16/09	0	17/04
1993	1.69	0.474	0.613	4.65	15.0	9.88	-	158	500	220	45.2	8.57	-	-	11.3	614	03/09	0.306	27/02
1994	0	0	0	0.868	0.016	0.346	6.80	263	587	806	230	11.4	158.8	237.7	48.3	924	11/10	0	04/03
1995	0	0	0	1.220	8.520	8.580	53.70	187	469	412	75.9	4.03	101.7	162.9	16.0	647	04/10	0	02/04
1996	2.840	0.031	0.979	10.8	-	52.3	64.4	203	434	409	59.3	14.8	-	-	15.6	-	-	-	-
Average	m ³ /s	1.6	0.6	0.9	2.9	7.4	18.2	61.9	257.0	306.5	59.4	7.1	103.8	168.0	13.9	2,030	3/9/89	0	
	MCM	4.3	1.5	2.4	7.5	19.8	47.2	165.8	688.3	820.9	154.0	19.0	3,284.2	3,103.0	181.2				
	mm	0.1	0.0	0.1	0.2	0.5	1.1	3.8	15.8	18.8	3.5	0.4	75.2	71.0	4.1				
	m ³ /s/100km ²	0.004	0.001	0.002	0.01	0.02	0.04	0.14	0.59	0.70	0.14	0.02	0.24	0.38	0.03				

Note: "-" means data not available

Source: Director of Water

RIVER : COMOE : 21,200 Km²
 STATION : KAFOLO :
 BASIN : COMOE : m

CATCHMENT AREA
 ALTITUDE

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
	Dry Season						Rainy Season						Annual Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
1980	4.02	1.24	0.247	0.003	4.10	19.5	40.1	156	452	97.0	24.4	6.89	67.1	128.1	6.1	626	16/09	0	05/04
1981	2.05	0.589	0.257	0.491	3.24	10.9	66.7	318	350	84.6	11.0	2.95	70.9	138.9	2.9	459	08/08	0.143	20/03
1982	0.893	0.207	0.306	1.98	4.01	5.88	17.7	67.3	98.7	37.6	15.7	2.13	21.0	38.5	3.5	135	16/09	0	08/03
1983	0.772	0.135	0.002	0	1.54	2.11	11.4	36.2	50.4	13.0	2.55	1.75	10.0	19.1	0.9	78	21/09	0	17/03
1984	0.192	0	0	0	5.84	6.95	21.5	30.9	59.6	65.1	4.71	1.01	16.3	31.6	1.0	123	04/10	0	27/01
1985	0.089	0	0.435	1.40	4.93	36.1	111	296	270	100	12.1	2.19	69.5	136.3	2.7	484	20/08	0	18/01
1986	0.614	0.024	0	0	4.88	16.0	11.1	168	462	163	30.0	5.02	71.7	137.5	5.9	568	22/09	0	12/02
1987	1.74	0.606	0.076	0.064	2.46	15.0	18.4	216	353	93.9	11.5	2.01	59.6	116.5	2.7	505	03/09	0	03/05
1988	2.02	0.368	0	0.018	2.36	9.36	57.6	121	-	-	28.2	6.35	-	-	-	-	-	0	01/03
1989	2.04	1.27	1.55	2.45	2.09	2.12	35.8	338	446	128	12.4	2.05	81.1	158.7	3.6	594	25/08	0.219	15/03
1990	0.571	0.067	0	0	2.68	7.88	36.6	249	237	78.2	10.7	2.57	52.1	101.9	2.3	311	21/08	0	18/02
1991	0.678	0.038	0	0	1.91	9.39	46.8	213	427	131	-	-	-	-	-	559	06/09	0	13/02
1992	-	-	0.485	0.508	1.86	9.40	30.7	37.1	94.7	30.9	7.98	1.82	-	-	-	198	14/09	0	01/05
1993	0.921	-	0.257	0.086	7.11	5.67	17.8	140	333	77.4	14.0	2.37	-	-	-	493	28/08	-	-
1994	0.740	0.271	0.004	0	2.25	2.14	18.9	314	501	609	94.8	9.44	129.4	241.2	17.5	818	05/10	0	05/03
1995	-	-	-	-	-	-	27.8	142	286	239	34.4	10.6	-	-	-	439	29/09	-	-
1996	-	0	0	0	-	-	-	90.8	305	235	-	-	-	-	-	-	-	-	-
Average	m ³ /s	1.2	0.3	0.2	0.4	3.4	10.6	35.6	172.5	295.3	136.4	21.0	56.7	109.0	4.5	818	5/10/94	0	
	MCM	3.2	0.7	0.5	1.0	9.1	27.5	95.4	462.0	765.3	365.3	54.4	1,794.9	1,724.7	70.2				
	mm	0.2	0.033	0.0236	0.0472	0.4	1.3	4.5	21.8	36.1	17.2	2.6	84.7	81.4	3.3				
	m ³ /s/100km ²	0.01	0.0014	0.001	0.0019	0.02	0.05	0.17	0.81	1.39	0.64	0.10	0.27	0.51	0.02				

Note: "-" means data not available
 Source: Director of Water

RIVER		CATCHMENT AREA												Minimum						
STATION		: BA												Discharge						
BASIN		: N'DAKRO												Date						
		: COMOE												m ³ /s						
		: 6,222 Km ²												m						
		: ALTITUDE																		
A.D.		Mean Discharge (m ³ /s)																		
		Dry Season			Rainy Season			Dry Season		Annual		Season		Maximum						
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
1980		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983		-	-	-	-	0.451	4.3	2.50	0.076	0.009	0.041	0.001	0.028	-	1.23	-	9	25/06	-	-
1984		0	0	0	0.148	0.455	1.11	7.99	25.7	13.1	39.6	6.91	1.21	8.02	14.66	1.38	57	21/10	0	15/02
1985		0.205	0.011	0.060	0.454	0.658	5.05	12.9	9.17	23.2	55.3	9.09	1.69	9.82	17.71	1.92	70	06/10	0	13/03
1986		0.499	0.12	0.783	0.639	1.34	4.61	2.20	5.9	2.91	10	6.74	0.808	3.05	4.49	1.60	18	15/10	0.030	09/03
1987		0.137	0.007	0.018	0.874	0.047	3.33	2.81	1.29	19.2	48.1	7.70	1.32	7.07	12.46	1.68	54	19/10	0	10/03
1988		0.390	0.075	0.385	1.01	0.760	1.23	19.2	5.83	13.4	10	1.58	0.684	4.55	8.40	0.69	39	26/07	0	27/01
1989		0.069	0.044	0.212	-	-	11.6	39.7	12.2	41.7	49.9	18.4	3.2	-	-	-	65	26/09	0	08/02
1990		1.46	0.646	0.455	0.485	2.38	2.25	4.70	0.981	3.04	5.79	1.60	2.94	2.23	3.19	1.26	10	09/07	0.105	22/04
1991		2.43	0.173	0.137	0.885	12.0	19.8	23.6	9.69	5.59	5.75	2.38	1.02	6.95	12.74	1.17	53	27/05	0	13/03
1992		0.260	0.311	0.021	2.45	1.39	3.27	3.16	0.603	1.14	5.63	-	0.317	-	2.53	-	9	23/10	0	26/02
1993		0.078	0.023	0.15	0.205	1.06	5.57	4.63	0.333	1.96	15.2	3.40	0.693	2.78	4.79	0.76	19	20/10	0	24/03
1994		0.091	0.013	0.013	0.83	1.89	2.25	0.735	0.33	0.496	4.38	3.61	0.207	1.24	1.68	0.79	13	12/10	0	08/02
1995		0	0	0.106	7.51	25.4	6.18	5.22	2.27	15.8	40.9	10	1.75	9.59	15.96	3.23	50	30/09	0	21/02
1996		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	m ³ /s	0.5	0.1	0.2	1.4	4.0	5.4	9.9	5.7	10.9	22.4	6.0	1.2	5.6	9.7	1.6	70	6/10/85	0	
	MCM	1.3	0.2	0.5	3.6	10.7	14.0	26.5	15.3	28.3	60.0	15.6	3.2	179.2	154.8	24.4				
	mm	0.2	0.03	0.1	0.6	1.7	2.3	4.3	2.5	4.5	9.6	2.5	0.5	28.8	24.9	3.9				
	m ³ /s/100km ²	0.01	0.002	0.003	0.02	0.06	0.09	0.16	0.09	0.18	0.36	0.10	0.02	0.09	0.16	0.03				

Note: "v" means data not available

Source: Director of Water

RIVER STATION BASIN	: DODO		CATCHMENT AREA												: 640 Km ²					
	: WEOULO (OUAOULO)		ALTIITUDE												: m					
	: DODO		Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge			
	Dry Season			Rainy Season									Annual			Season		Date		Date
A.D.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date	
1980	4.17	3.95	5.68	5.09	18.2	29.6	15.5	17.1	33.8	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	12.0	20.8	15.2	8.24	6.41	-	-	-	-	-	-	-	-
1982	2.73	3.31	1.98	3.37	16.5	37.3	12.7	10.1	5.01	9.78	11.0	3.37	9.76	13.22	2.85	101	09/06	0.788	03/04	
1983	1.31	0.589	2.01	1.42	17.2	19.6	6.44	7.29	6.43	5.55	2.66	8.17	6.56	8.32	3.02	74.2	22/05	0.297	21/02	
1984	3.35	2.93	4.05	4.79	12.0	13.6	35.6	25.3	17.4	22.0	7.95	4.42	12.78	17.33	3.69	72.5	13/07	0.835	19/03	
1985	2.67	2.94	3.78	2.69	3.38	31.7	7.16	16.4	18.0	10.8	11.2	4.42	9.60	12.67	3.45	75.6	07/06	1.01	25/04	
1986	2.38	2.01	1.70	2.46	7.95	20.4	3.67	2.54	7.87	11.6	5.53	3.02	5.93	7.75	2.28	72.5	20/06	0.879	02/05	
1987	1.53	1.91	5.24	2.18	-	-	5.34	11.0	16.4	13.6	9.88	6.28	-	-	3.74	63.2	18/09	0.041	27/02	
1988	2.01	1.95	2.49	2.87	3.37	26.1	6.33	4.12	26.4	27.1	15.4	6.32	10.37	13.96	3.19	70.3	18/06	0.476	19/12	
1989	3.82	2.42	5.05	2.15	-	-	20.4	16.8	13.3	17.1	9.26	8.07	-	-	5.13	68.9	07/07	0.129	20/04	
1990	4.05	1.90	0.694	2.43	5.45	24.5	3.07	2.37	-	9.80	-	-	-	-	-	60.4	20/06	0.002	14/03	
1991	-	-	5.38	7.20	9.80	8.63	24.3	6.11	5.06	5.10	5.39	4.35	-	8.95	-	77.6	07/07	-	-	
1992	-	-	-	-	-	7.95	-	-	-	11.7	14.0	5.09	-	-	-	-	-	-	-	
1993	3.54	7.50	10.5	2.17	9.72	22.5	9.84	5.23	18.7	9.37	9.69	6.49	9.60	10.90	7.01	70.7	16/06	0.664	27/04	
1994	3.99	4.92	4.74	4.32	9.26	19.9	6.91	7.75	10.0	35.7	17.1	6.39	10.92	13.87	5.01	72.0	12/10	0	10/02	
1995	4.51	3.4	6.45	6.35	5.81	16.9	5.53	14.9	23.5	21.4	14.9	9.28	11.08	13.66	5.91	73.0	02/10	0.410	03/04	
1996	4.89	3.72	6.17	6.57	9.94	25.7	15.2	7.86	16.1	6.32	8.64	5.19	9.69	12.04	4.99	-	-	-	-	
Average	m3/s	3.2	3.1	4.4	3.7	9.9	21.7	11.9	10.4	15.9	10.1	5.8	9.6	12.3	4.1	101	9/6/82	0	10/2/94	
	MCM	8.6	7.5	11.8	9.6	26.5	56.2	31.9	27.9	38.8	26.2	15.5	301.7	258.3	43.4					
	mm	13.4	11.7	18.4	15.0	41.4	87.8	49.8	43.6	60.6	40.9	24.2	471.4	403.6	67.8					
	m ³ /s/100km ²	0.50	0.48	0.69	0.58	1.55	3.39	1.86	2.48	2.27	1.58	0.91	1.49	1.92	0.64					

Note: "-" means data not available

Source: Director of Water

RIVER		: NIOUNIOUROU												CATCHMENT AREA				: 1,791 Km ²					
STATION		: DAHIRI												ALTITUDE				: m					
BASIN		: NIOUNIOUROU																					
A.D.	Mean Discharge (m ³ /s)																						
	Dry Season						Rainy Season						Dry		Annual		Season		Maximum		Minimum		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	Dry	Discharge	Date	m ³ /s	Date	m ³ /s	Date	
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1982	-	-	-	-	-	-	-	-	-	13.0	3.29	-	-	-	-	-	-	-	-	-	-	-	
1983	0.435	0.084	0.247	1.49	8.30	45.1	6.55	1.73	2.20	3.62	9.89	6.76	8.80	2.66	2.66	89.3	04/06	0.036	14/02				
1984	2.20	0.259	2.11	4.41	9.20	35.3	45.2	21.3	38.8	10.1	3.43	15.27	21.90	2.00	2.00	172	13/10	0.046	22/02				
1985	3.44	1.21	1.66	2.60	5.25	47.2	23.2	33.9	15.1	12.2	5.11	14.26	19.96	2.86	2.86	148	17/06	0.296	17/02				
1986	0.612	0.377	1.08	4.21	12.2	30.6	4.14	2.37	22.9	14.0	2.83	8.68	12.41	1.22	1.22	86.0	18/06	0.117	04/02				
1987	0.328	0.205	7.76	7.99	6.88	19.1	11.2	15.9	42.4	14.3	3.95	13.54	18.78	3.06	3.06	99.8	30/09	0.086	28/02				
1988	0.645	0.343	2.26	5.89	10.9	40.0	15.4	3.89	36.1	33.5	16.3	15.64	21.01	4.89	4.89	90.4	19/09	0.163	04/02				
1989	2.11	0.605	3.44	3.76	5.06	28.8	41.6	11.9	53.3	21.3	5.89	17.27	24.40	3.01	3.01	94.3	24/10	0.218	11/02				
1990	3.60	1.43	1.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1991	-	-	-	-	7.61	5.11	18.0	1.17	0.842	0.295	0.313	-	-	-	-	130	03/07	-	-	-	-	-	
1992	0	0	0	0.006	2.19	5.55	0	0	0.014	1.13	0	0.74	1.11	0.00	0.00	25.5	10/06	0	01/02				
1993	0	0	0	0	0	15.4	3.62	0	12.1	1.79	1.48	2.88	4.13	0.37	0.37	72.3	10/10	0	01/02				
1994	2.09	1.01	3.31	8.78	16.3	29.4	8.30	5.99	21.3	38.7	2.51	11.94	16.80	2.23	2.23	61.3	10/06	0.189	27/03				
1995	0.703	0.034	1.77	12	22.8	76.5	15.90	10.4	16.6	-	-	-	-	-	-	161	21/06	0	05/03				
1996	1.690	2.040	2.7	5.3	10.7	43.4	91.7	22.8	6.54	6.4	5.91	17.51	24.72	3.09	3.09	-	-	-	-	-	-	-	
Average	m3/s	1.4	0.6	2.1	4.7	9.0	32.4	21.9	20.6	13.1	4.7	11.1	15.5	2.2	2.2	172	13/10/84	0					
	MCM	3.7	1.5	5.6	12.2	24.1	84.0	58.7	55.2	34.0	12.6	350.6	327.2	23.4	23.4								
	mm	2.1	0.8	3.1	6.8	13.5	46.9	32.8	30.8	19.0	7.0	195.8	182.7	13.1	13.1								
	m ³ /s/100km ²	0.08	0.03	0.12	0.26	0.50	1.81	1.22	1.15	0.73	0.26	0.62	0.87	0.12	0.12								

Note: "-" means data not available

Source: Director of Water

RIVER	: SAN PEDRO												CATCHMENT AREA				: 3,300 Km ²			
	STATION	: STATION POMPAGE DE SAN PEDRO												ALTITUDE				: m		
		BASIN	: SAN PEDRO																	
A.D.	Mean Discharge (m ³ /s)												Annual		Season		Maximum Discharge		Minimum Discharge	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Dry	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
1980	12.8	25.3	16.5	12.4	65.3	82.7	26.1	28.6	72.4	75.5	67.8	28.4	42.82	53.85	20.75	195	01/06	1.42	08/03	
1981	-	-	12.9	19.7	25.7	60.0	48.1	20.0	29.1	45.5	31.6	18.1	-	34.96	-	131	26/06	1.67	24/02	
1982	10.8	31.6	19.3	24.2	42.9	198	-	30.8	12.3	20.6	21.3	11.7	-	-	18.35	340	18/06	2.97	15/01	
1983	24.6	32.5	9.67	12.5	32.4	70.5	18.0	21.9	26.9	19.7	23.5	20.4	26.05	28.18	21.79	151	05/06	1.06	19/04	
1984	-	10.9	32.0	31.7	47.3	114	130	-	-	63.2	36.0	15.7	-	-	-	246	25/06	1.29	25/01	
1985	11.1	16.0	18.8	19.5	23.8	121	44.7	57.6	48.4	46.1	39.5	14.6	38.43	50.08	15.13	236	19/06	2.17	12/03	
1986	9.74	16.5	14.0	25.4	40.5	83.1	18.1	13.1	34.0	35.8	32.9	13.9	28.09	35.36	13.54	188	21/06	0.700	18/01	
1987	26.8	4.80	19.8	20.8	28.7	30.3	78.1	44.4	68.9	95.2	56.3	19.5	41.13	52.84	17.73	165	16/10	0	18/02	
1988	6.75	16.2	14.0	19.2	23.2	86.8	37.9	12.3	86.9	94.6	74.2	36.7	42.40	54.39	18.41	208	23/06	2.61	24/02	
1989	-	-	-	-	-	80.0	103	40.1	89.2	109	64.1	32.5	-	-	-	242	29/06	-	-	
1990	13.0	6.48	6.83	6.64	19.7	71.7	116	37.4	23.6	25.9	21.0	24.9	31.10	40.24	12.80	171	11/07	4.38	28/02	
1991	23.6	35.2	-	-	51.7	40.6	116	60.5	26.2	-	25.1	20.8	-	-	-	-	-	-	-	
1992	7.58	11.1	24.9	15.4	36.6	65.9	10.8	15.9	13.3	22.0	63.3	19.4	25.52	30.40	15.75	134	30/05	2.61	17/09	
1993	5.62	21.2	12.0	23.4	12.6	67.4	19.8	24.4	36.4	75.2	43.6	28.1	30.81	37.85	16.73	184	29/10	1.67	03/03	
1994	11.5	26.5	20.4	31.6	55.7	129	24.0	15.4	16.5	72.7	67.9	7.47	39.89	51.60	16.47	291	15/06	0	21/12	
1995	0.165	0.375	16.4	22.3	37.7	81.2	21.4	20	23.3	48.2	49.7	13.6	27.86	37.98	7.64	144	02/06	0	07/02	
1996	2.340	7.160	2.38	8.49	10.6	59.1	59.2	12.0	5.84	2.4	8.3	9.09	15.58	20.74	5.24	-	-	-	-	
Average	m3/s	11.9	17.5	16.0	19.5	34.7	84.8	28.4	38.3	53.2	42.7	19.7	35.1	44.5	16.3	340	18/6/82	0	-	
	MCM	31.9	42.3	42.9	50.5	92.9	219.8	76.1	99.3	142.5	110.7	52.8	1,107.7	937.8	169.9	-	-	-	-	
	mm	9.7	12.8	13.0	15.3	28.2	66.6	44.2	30.1	43.2	33.5	16.0	335.7	284.2	51.5	-	-	-	-	
	m ³ /s/100km ²	0.36	0.53	0.48	0.59	1.05	2.57	0.86	1.16	1.61	1.29	0.60	1.06	1.35	0.49	-	-	-	-	

Note: "-" means data not available

Source: Director of Water

RIVER		CATCHMENT AREA												: 810 Km ²						
STATION		ALTITUDE												: 2 m						
BASIN		: TABOU																		
		: YAKA																		
		: TABOU																		
A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge					
	Dry Season			Rainy Season									Season		Date		Date			
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date		
1980	15.5	13.5	16.2	16.2	41.5	72.4	31.6	29.7	69.1	60.0	43.4	22.5	35.97	45.49	16.93	247	12/06	6.65	29/03	
1981	12.8	14.9	10.3	9.51	50.9	49.4	36.6	28.1	61.3	40.4	25.0	15.4	29.55	37.65	13.35	200	27/05	3.23	17/04	
1982	7.43	6.22	6.36	24.9	-	-	40.3	24.0	13.3	40.9	25.6	11.5	-	-	7.88	151	28/10	3.38	13/03	
1983	4.40	2.13	9.26	7.27	40.6	25.3	12.9	9.84	11.9	12.4	8.69	19.0	13.64	16.11	8.70	132	21/05	1.54	22/02	
1984	11.2	10.1	11.3	10.0	18.0	27.2	64.8	53.0	59.1	43.5	21.3	12.2	28.48	37.11	11.20	201	25/07	4.12	19/04	
1985	-	-	-	7.34	9.45	35.5	14.8	39.4	32.5	29.5	25.1	10.3	-	26.86	-	114	21/08	4.42	26/04	
1986	7.44	4.99	5.29	5.50	9.83	29.0	10.2	8.15	19.8	36.1	17.0	12.2	13.79	16.95	7.48	156	19/06	2.82	03/05	
1987	6.98	-	17.6	8.57	13.0	32.3	32.8	44.1	60.5	63.2	-	-	-	-	-	193	13/10	3.60	18/05	
1988	-	-	-	-	-	53.3	28.3	14.6	37.3	59.8	39.8	25.9	-	-	-	165	07/10	5.91	23/05	
1989	14.9	13.3	-	-	-	63.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
1990	-	-	-	-	-	-	-	-	-	31.8	17.9	-	-	-	-	-	-	-	-	
1991	-	-	-	15.7	17.6	42.4	48.0	22.8	23.9	31.9	20.4	19.4	-	27.84	-	-	-	-	-	
1992	9.77	-	-	-	40.8	32.6	12.6	6.69	15.6	38.9	37.2	17.0	-	-	-	259	31/05	3.73	06/09	
1993	9.95	11.6	11.4	6.26	12.1	32.9	24.3	13.7	26.2	39.5	26.9	18.1	19.41	22.73	12.76	196	21/07	3.54	20/04	
1994	9.21	9.37	10.8	9.68	17.1	26.7	14.8	18.7	21.1	60.7	42.7	17.6	21.54	26.44	11.75	146	09/10	3.38	21/11	
1995	11.3	6.43	5.54	8.33	12.9	39.6	15.2	25.9	36.2	47.9	35.2	21.4	22.16	27.65	11.17	179	15/06	1.96	27/03	
1996	12.3	6.26	7.78	10.5	12.7	57.6	33.6	21.7	19.2	18.1	20.3	19.7	19.98	24.21	11.51	-	-	-	-	
Average	m ³ /s	10.2	9.0	10.2	10.8	22.8	41.3	28.1	33.8	40.9	27.1	17.3	23.0	28.6	11.7	259	31/5/92	1.54	22/2/83	
	MCM	27.3	21.8	27.3	28.0	61.1	107.0	75.3	87.6	109.5	70.2	46.3	725.7	603.0	122.7					
	mm	33.7	26.9	33.7	34.6	75.4	132.1	93.0	108.1	135.2	86.7	57.2	895.9	744.4	151.5					
	m ³ /s/100km ²	1.26	1.11	1.26	1.33	2.81	5.10	3.47	4.17	5.05	3.35	2.14	2.83	3.53	1.44					

Note: "-" means data not available

Source: Director of Water

RIVER		: BIA												CATCHMENT AREA		: 6,800 Km ²	
STATION		: BIANOUAN AVAL												ALTITUDE		: 94 m	
BASIN		: BIA															
A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge		
	Dry Season			Rainy Season						Dry			Annual		Season		Date
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	m ³ /s	Date
1980	3.45	3.5	12.7	4.36	139	30.2	25.8	64.3	83.3	37.5	8.62	35.94	50.38	7.07	-	-	-
1981	1.50	0.842	4.21	7.24	25.1	33.3	14.3	14.0	22.0	9.54	1.36	14.02	20.04	1.98	66.5	13/05	-
1982	-	-	-	6.31	50.4	76.7	7.58	3.46	14.4	18.4	1.27	-	25.22	-	142	08/07	14/03
1983	0.368	0.192	-	1.82	74.9	32.3	1.35	5.75	8.19	0.73	0.38	-	17.18	-	168	29/06	28/01
1984	0.163	0.091	2.32	2.24	32.8	72.5	62.4	42.3	83.5	12.8	2.51	26.79	39.56	1.27	108	27/07	11/02
1985	-	0.249	0.473	1.21	17.4	76.6	52.9	38.8	44.6	25.5	4.28	-	32.48	-	108	12/07	19/02
1986	0.670	0.336	1.29	2.23	22.1	19.5	3.07	11.0	28.6	13.5	0.942	8.76	12.74	0.81	76.9	05/10	07/02
1987	0.244	0.173	0.161	2.89	11.0	12.9	19.7	-	-	20.9	2.31	-	-	0.72	114	22/09	27/03
1988	0.293	0.018	-	-	41.3	53.0	7.52	24.8	54.9	7.52	4.98	-	-	-	114	12/07	23/02
1989	0.752	0.351	0.989	3.14	-	73.4	47.0	74.4	-	-	5.13	-	-	1.81	114	22/10	06/03
1990	2.34	1.57	1.17	5.14	20.7	42.1	5.98	7.65	19.6	10.7	9.72	-	-	3.70	114	26/06	18/02
1991	-	-	2.18	3.48	0.008	0.010	0.006	0.630	2.77	2.50	-	-	1.18	-	-	-	-
1992	-	-	-	5.37	16.7	5.77	1.65	17.4	32.1	36.6	3.30	-	17.74	-	87.7	24/09	06/03
1993	0.646	0.229	3.18	7.34	42.8	43.7	5.31	18.8	50.6	13.4	4.98	16.63	23.82	2.26	109	06/07	15/02
1994	1.11	0.267	0.764	9.92	54.4	10.1	2.56	6.73	54.3	45.9	1.68	18.60	27.43	0.96	107	13/10	27/02
1995	0.352	0.104	0.825	22.8	81	41.6	25.3	40.4	58.6	25.5	7.54	30.15	44.13	2.21	111	11/05	01/03
1996	2.8	2.2	20.1	13.7	80.9	130	87.2	20.7	35.2	6.45	7.42	35.90	49.78	8.13	-	-	-
Average	m3/s	1.1	0.7	3.9	6.2	45.1	21.7	24.4	39.5	18.0	4.2	19.0	27.2	2.5	168	29/6/83	0.017
	MCM	2.9	1.7	10.4	16.1	118.7	58.1	63.2	105.8	46.7	11.2	601.3	575.1	26.2			
	mm	0.4	0.3	1.5	2.4	17.2	8.5	9.3	15.6	6.9	1.6	88.4	84.6	3.9			
	m ³ /s/100km ²	0.02	0.01	0.06	0.09	0.65	0.32	0.36	0.58	0.26	0.06	0.28	0.40	0.04			

Note: "-" means data not available

Source: Director of Water

RIVER STATION BASIN	: BIA		CATCHMENT AREA												: Km ²			
	: AYAMEE-1 DAM		ALTITUDE												: m			
	: BIA																	
A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge			
	Dry Season			Rainy Season						Dry			Annual		Season		Date	
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Avg.	Rainy	Dry	m ³ /s	Date
1980	1.3	10.3	38.7	9.7	52.2	207.1	66.6	53.5	112.6	143.2	70.4	20.2	65.48	89.41	17.63	-	-	-
1981	0	4.8	6.6	22.6	124.9	74.6	96.6	33.8	60.8	19.5	6.6	41.43	59.89	4.50	-	-	-	-
1982	0	0.7	19.9	42.7	123.2	175.9	196.1	15.2	7.4	37.1	7.0	56.01	80.56	6.90	-	-	-	-
1983	2.9	0	0.1	6.0	32.1	125.9	45.5	5.5	13.2	0	7.5	21.24	30.55	2.63	-	-	-	-
1984	0	0	0	0	0	98.1	127.2	106.6	71.7	32.0	8.3	48.11	71.13	2.08	-	-	-	-
1985	3.4	0.1	6.4	5.8	10.9	99.5	130.4	100.0	81.2	51.5	7.2	47.62	69.29	4.28	-	-	-	-
1986	0	0.4	0	7.2	15.9	58.1	51.0	12.0	63.8	33.5	4.0	22.17	32.70	1.10	-	-	-	-
1987	6.8	5.8	11.1	10.6	11.2	36.4	30.2	55.6	186.1	40.4	2.9	58.60	84.58	6.65	-	-	-	-
1988	2.7	1.0	19.0	15.2	14.0	104.7	111.1	15.8	60.1	23.9	18.5	45.28	62.78	10.30	-	-	-	-
1989	0.1	0	4.3	15.6	25.5	116.2	147.8	89.3	123.3	68.4	8.2	67.58	99.79	3.15	-	-	-	-
1990	0	3.6	0	15.0	48.9	139.0	77.0	17.6	29.0	27.8	25.0	38.22	53.75	7.15	-	-	-	-
1991	8.9	12.6	12.6	39.4	88.4	100.2	124.5	33.2	27.2	19.8	11.3	41.72	56.90	11.35	-	-	-	-
1992	0	3.9	4.2	18.1	40.8	72.4	16.5	6.3	71.9	77.9	11.1	33.78	48.26	4.80	-	-	-	-
1993	0.1	6.3	15.0	28.1	16.3	108.5	86.7	12.5	40.5	31.3	12.8	39.08	54.35	8.55	-	-	-	-
1994	4.8	3.9	8.1	38.6	85.9	164.7	37.5	9.5	24.1	95.5	0	51.82	75.63	4.20	-	-	-	-
1995	0	0	7.7	46.9	113.3	152.4	61.3	54.9	75.3	45.4	24.7	57.06	81.54	8.10	-	-	-	-
1996	7.7	7.9	34.0	36.9	57.1	166.0	270.5	184.4	40.7	6.0	17.8	73.76	102.21	16.85	-	-	-	-
Average	m3/s	2.3	3.6	11.0	21.1	50.6	117.6	98.6	47.4	60.6	106.7	40.0	47.6	67.8	7.1	-	-	-
	MCM	6.2	8.7	29.5	54.7	135.5	304.8	264.1	127.0	157.1	285.8	103.7	1,507.6	1,432.7	74.9	-	-	-
	mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	m ³ /s/100km ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: "-" means data not available

Source: Ministry of Energy

RIVER		CATCHMENT AREA												: 9,330 Km ²						
STATION		ALTITUDE												:						
BASIN		: BIA												: m						
: AYAME-2 DAM		: BIA												: m						
: BIA		: BIA												: m						
A.D.		Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
		Dry Season			Rainy Season						Dry			Annual		Season		Date		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
1980		95.1	64.4	50.4	50.5	76.2	77.5	53.7	52.9	58.9	46.2	69.4	54.4	62.47	60.66	66.08	-	-	-	-
1981		89.6	60.6	71.7	33.1	27.6	45.4	66.7	42.3	33.3	39.9	41.9	53.4	50.46	41.28	68.83	-	-	-	-
1982		25.3	26.1	20.5	17.9	46.1	61.5	120.1	110.4	50.8	48.8	47.6	45.8	51.74	62.90	29.43	-	-	-	-
1983		21.0	21.4	28.9	18.7	3.9	11.1	47.6	14.9	21.4	35.2	71.3	21.6	26.42	28.01	23.23	-	-	-	-
1984		0	0	0	0	0	0	19.6	0	21.6	93.4	60.5	64.3	21.62	24.39	16.08	-	-	-	-
1985		45.0	39.6	45.7	34.1	66.6	0.4	24.9	28.3	25.0	72.2	76.0	67.7	43.79	40.94	49.50	-	-	-	-
1986		54.5	32.5	26.2	28.9	32.9	18.2	7.7	7.5	5.4	7.1	25.3	28.8	22.92	16.63	35.50	-	-	-	-
1987		43.6	39.2	36.0	28.9	34.4	5.1	0.2	0	16.0	58.7	64.9	72.0	33.25	26.03	47.70	-	-	-	-
1988		70.0	69.0	25.3	29.2	32.6	43.7	29.4	45.8	11.1	13.5	41.1	53.3	38.67	30.80	54.40	-	-	-	-
1989		38.2	50.5	53.2	52.3	49.6	85.3	43.9	59.6	42.4	93.9	99.4	93.6	63.49	65.80	58.88	-	-	-	-
1990		62.6	43.8	46.9	37.5	45.6	33.8	69.3	4.4	5.1	34.3	75.6	25.2	40.34	38.20	44.63	-	-	-	-
1991		9.3	4.4	37.4	55.3	48.3	67.3	70.6	54.4	21.9	19.6	14.9	19.0	35.20	44.04	17.53	-	-	-	-
1992		36.4	39.9	15.4	17.9	40.6	56.1	8.0	8.7	10.6	14.8	46.9	60.6	29.66	25.45	38.08	-	-	-	-
1993		39.4	34.9	22.7	39.8	51.1	47.9	73.3	45.4	14.5	33.4	49.1	48.8	41.69	44.31	36.45	-	-	-	-
1994		41.1	4.3	0.5	1.5	14.8	49.7	44.5	28.3	16.1	8.7	53.2	47.6	25.86	27.10	23.38	-	-	-	-
1995		65.6	71.8	45.6	76.5	88.9	85.7	55.7	49.4	40.7	55.4	64.3	37.7	61.44	64.58	55.18	-	-	-	-
1996		45.7	16.3	27.9	50.6	71.0	70.4	72.5	112.5	55.1	63.9	94.9	45.4	60.52	73.86	33.83	-	-	-	-
Average	m ³ /s	46.0	36.4	32.6	33.7	43.0	44.7	47.5	39.1	26.5	43.5	58.6	49.4	41.8	42.1	41.1				
	MCM	123.2	88.1	87.3	87.4	115.2	115.9	127.2	104.7	68.7	116.5	151.9	132.3	1,318.4	887.5	430.9				
	mm	13.2	9.4	9.4	9.4	12.3	12.4	13.6	11.2	7.4	12.5	16.3	14.2	141.3	95.1	46.2				
	m ³ /s/100km ²	0.49	0.39	0.35	0.36	0.46	0.48	0.51	0.42	0.28	0.47	0.63	0.53	0.45	0.45	0.44				

Note: "-" means data not available
Source: Ministry of Energy

RIVER		CATCHMENT AREA												: 4,740 Km ²							
STATION		ALTITUDE												:							
BASIN		: BANI-NIGER												:							
A.D.		Mean Discharge (m ³ /s)												Maximum		Minimum					
		Dry Season			Rainy Season			Dry Season			Annual			Season		Discharge		Date			
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	m ³ /s	Date	Date	
1980		2.58	1.21	0.371	0.187	0.303	1.20	16.0	55.8	169	49.2	20.1	7.02	26.9	48.6	5.2	255	08/09	0.151	11/04	
1981		4.25	3.76	3.42	2.89	3.80	4.32	31.3	110	161	64.2	13.7	5.19	34.0	62.4	5.5	187	10/09	2.49	08/04	
1982		3.95	0.841	0.909	1.16	0.739	1.00	12.6	69.5	136	41.8	23.1	5.52	24.8	43.6	5.9	173	11/09	0.335	10/03	
1983		2.08	0.875	0.384	0.229	0.246	0.255	0.326	15.9	47.2	10.2	2.54	0.765	6.8	12.4	1.1	55.2	22/09	0.160	12/04	
1984		0.205	0.115	0.083	0.031	0.131	0.071	3.78	25.6	55.4	27.7	5.59	1.38	10.0	18.8	1.2	74.3	22/09	0	25/04	
1985		0.392	0.020	0	0.323	1.17	0.777	12.6	116	129	49.2	13.7	3.07	27.2	51.5	2.9	203	27/08	0	05/02	
1986		1.01	0.275	0.167	0.088	0.079	0.047	6.12	38.0	133	53.0	15.6	3.24	20.9	38.4	3.4	153	21/09	0.018	03/07	
1987		-	-	-	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991		0.529	0.069	0.041	0.030	0.058	0.161	2.50	71.9	168	58.6	15.2	3.84	26.7	50.2	3.3	204	05/09	0	28/03	
1992		1.55	-	0.116	0.006	0.014	0.034	2.17	-	103	37.1	9.52	2.96	-	-	-	137	02/09	0	16/04	
1993		1.40	0.911	0.853	1.19	2.58	0.910	1.18	21.3	92.2	48.4	9.13	3.32	15.3	27.8	2.8	101	23/09	0.793	09/03	
1994		1.17	0.394	0.009	0.234	0.001	0.268	3.69	61.4	176	206	149	21.8	51.7	74.6	28.8	240	12/10	0	08/04	
1995		5.8	2.700	1.120	0.470	0.743	0.724	7.56	159	180	130	25.6	6.06	43.3	79.7	7.0	204	30/08	0.190	23/04	
1996		2.25	0.95	0.328	0.490	0.604	2.240	9.36	76.1	177	120	18.7	5.22	34.4	64.2	4.7	-	-	-	-	
Average	m ³ /s	2.1	1.0	0.6	1.2	0.8	0.9	8.4	68.4	132.8	68.9	24.7	5.3	26.3	46.7	5.8	255	08/09/80	0	-	
	MCM	5.6	2.4	1.6	3.1	2.1	2.3	22.5	183.2	344.2	184.5	64.0	14.2	829.7	738.8	90.9	-	-	-	-	
	mm	1.2	0.5	0.3	0.7	0.4	0.5	4.7	38.6	72.6	38.9	13.5	3.0	175.0	155.9	19.2	-	-	-	-	
	m ³ /s/100km ²	0.04	0.02	0.01	0.03	0.02	0.02	0.18	1.44	2.80	1.45	0.52	0.11	0.55	0.99	0.12	-	-	-	-	

Note: "-" means data not available

Source: Director of Water

RIVER : BAGOE : 8,950 Km²
 STATION : PAPARA :
 BASIN : BANL-NIGER : m

CATCHMENT AREA
 ALTITUDE

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
	Dry Season			Rainy Season						Dry Season			m ³ /s	Date	m ³ /s	Date			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					Annual Avg.	Rainy	Dry
1980	4.95	2.49	0.984	0.181	0.282	2.20	20.4	100	230	94.8	30.5	11.5	41.5	74.6	8.4	252	05/09	0.044	29/04
1981	4.33	2.11	1.30	0.832	1.75	2.13	37.3	266	303	138	26.6	8.93	66.0	124.7	7.4	429	02/09	0.227	27/04
1982	6.11	1.89	0.823	4.77	1.93	6.03	15.3	88.3	165	-	30.1	8.90	-	-	8.8	176	20/09	0.532	30/03
1983	3.56	1.49	0.513	0.364	0.510	0.573	1.63	19.0	59.6	19.3	4.80	1.59	9.4	16.8	2.1	81.8	17/09	0.117	09/04
1984	0.532	0.144	0.008	0	0.362	1.26	7.54	29.5	81.2	60.9	16.0	3.73	16.8	30.1	3.4	105	12/09	0	-
1985	1.23	0.354	0.078	0.011	1.51	6.41	25.4	136	248	114	25.3	7.23	47.1	88.6	5.7	305	22/09	0	19/04
1986	3.03	1.23	0.448	0.135	1.96	-	-	-	-	-	24.0	6.59	-	-	-	-	-	0	16/05
1987	-	-	-	0.006	-	6.72	5.75	33.6	145	109	21.7	5.75	-	-	-	172	30/09	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	0.908	0.939	8.98	113	226	142	22.7	6.90	-	-	-	239	22/09	-	-
1990	5.60	2.34	0.938	0.568	-	-	-	-	-	-	-	5.92	-	-	-	-	-	0.355	07/04
1991	2.32	0.704	0.193	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	0	15/04
1992	3.69	1.95	0.820	0.256	0.615	1.86	2.67	43.6	-	70.4	19.7	6.79	-	-	5.5	140	14/09	0.145	20/04
1993	-	-	-	-	-	-	2.04	56.6	-	-	16.7	5.67	-	-	-	-	-	-	-
1994	3.06	1.73	0.231	0.098	0.037	0.618	5.43	85.3	258	415	303	77.4	95.8	127.4	64.3	479	20/10	0	22/03
1995	12.7	6.08	3.160	1.620	-	5.130	9.78	140	-	-	-	15.9	-	-	-	-	-	-	-
1996	6.47	3.61	1.78	0.876	1.09	7.52	28.6	128	196	199	-	12.6	-	93.4	-	-	-	-	-
Average	m ³ /s	4.4	2.0	0.9	0.7	1.0	3.4	13.1	95.3	136.2	45.1	12.4	42.1	73.4	10.9	479	20/10/95	0	
	MCM	11.8	4.8	2.4	1.8	2.7	8.8	35.1	255.3	364.8	116.9	33.2	1,333.2	1,162.3	170.9				
	mm	1.3	0.5	0.3	0.2	0.3	1.0	3.9	28.5	40.8	13.1	3.7	149.0	129.9	19.1				
	m ³ /s/100km ²	0.05	0.02	0.01	0.01	0.01	0.04	0.15	1.06	1.52	0.50	0.14	0.47	0.82	0.12				

Note: "-" means data not available
 Source: Director of Water

RIVER		CATCHMENT AREA												Minimum Discharge						
STATION		: BAOULE												: 3,970 Km ²						
BASIN		: DJIRILA												: 354 m						
		: BANI-NIGER												ALTITUDE						
A.D.	Mean Discharge (m ³ /s)													Maximum Discharge		Minimu Discharge				
	Dry Season			Rainy Season						Dry Season				Annual		Season		Dry		Date
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date		
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1983	-	1.53	0.538	0.210	0.234	0.400	1.87	41.8	31.6	10.7	3.16	-	26.8	-	109	23/09	0.170	15/04		
1984	0.866	0.298	0.098	0.036	0.091	0.139	3.90	34.8	39.5	10.2	2.46	12.4	22.4	2.3	67.4	27/09	0.012	26/04		
1985	0.718	0.238	0.074	0.004	0.184	0.163	8.56	62.6	62.6	15.1	3.73	19.3	35.3	3.3	96.0	30/09	0	30/04		
1986	0.820	0.255	0.108	0.053	0.235	0.616	1.54	50.3	27.9	11.6	2.19	9.3	16.0	2.5	59.2	12/09	0.012	18/04		
1987	0.551	0.182	-	-	-	-	0.132	38.8	23.0	5.49	1.15	-	-	-	51.5	11/09	-	-		
1988	0.305	0.099	0.032	0.006	0.007	0.122	2.60	127	48.6	8.39	1.65	19.5	37.2	1.7	140	15/09	0	29/05		
1989	0.455	0.159	0.074	0.026	0.008	0.189	0.552	96.8	51.0	8.79	2.14	18.7	35.5	1.9	111	03/09	0	13/04		
1990	0.726	0.253	0.045	0.026	0.569	0.324	14.7	42.8	22.7	7.74	2.15	12.5	23.3	1.8	68.5	19/08	0	05/04		
1991	0.600	0.177	0.073	0.039	0.086	0.309	3.85	93.1	74.2	-	-	-	35.1	-	110	06/10	0.006	02/05		
1992	1.86	0.737	0.253	0.202	0.489	0.347	16.2	91.1	41.7	16.0	4.89	19.7	35.4	4.0	120	02/09	0.084	19/04		
1993	1.73	0.737	0.544	0.206	0.151	0.244	1.28	105	52.4	16.5	5.90	17.8	31.3	4.3	124	21/09	0.124	30/04		
1994	2.17	1.07	0.446	0.224	0.153	1.63	16.4	94.9	149	138	22.5	38.6	49.7	27.4	156	17/10	0.124	11/05		
1995	5.96	2.53	1.200	0.725	0.946	1.41	6.7	152	143	42.7	10.5	37.5	64.4	10.6	163	15/09	0.312	26/04		
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Average	m3/s	1.4	0.6	0.3	0.1	0.3	6.0	44.2	59.0	24.3	5.2	18.9	32.6	5.3	163	15/9/95	0			
	MCM	3.7	1.5	0.8	0.3	0.8	16.1	118.4	158.0	63.0	13.9	599.2	516.0	83.2						
	mm	0.9	0.4	0.2	0.1	0.2	4.1	29.8	39.8	15.9	3.5	150.9	130.0	21.0						
	m ³ /s/100km ²	0.04	0.02	0.01	0.003	0.01	0.15	1.11	1.49	0.61	0.13	0.48	0.82	0.13						

Note: "-" means data not available

Source: Director of Water

RIVER		CATCHMENT AREA												Maximum		Minimum				
STATION		: BANIFING												Discharge		Discharge				
BASIN		: ZIEMOUGOULA												m ³ /s		m ³ /s				
		: BANI-NIGER												Date		Date				
		ALTITUDE												m		m				
A.D.		Mean Discharge (m ³ /s)																		
		Dry Season			Rainy Season						Dry Season			Annual		Season				
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date
	1980	1.20	0.360	0.037	0.013	0.023	0.449	6.55	13.3	29.8	9.65	4.98	2.24	5.7	10.0	1.5	57.6	08/09	0.003	01/05
	1981	0.575	0.141	0.033	0.005	0.885	2.29	26.4	66.7	73.2	30.8	9.14	3.18	17.8	33.4	2.2	119	01/09	0	01/05
	1982	1.30	0.585	0.167	0.056	0.035	0.049	7.87	28.5	44.9	19.3	13.5	3.13	9.9	16.8	3.1	56.4	01/09	0.010	17/05
	1983	1.14	0.428	0.108	0.012	0.077	0.125	0.734	12.4	25.7	9.12	3.33	0.901	4.5	8.0	1.0	32.5	17/09	0.003	16/04
	1984	0.195	0.047	0.004	0	0.079	0.071	1.73	16.0	32.7	17.7	3.35	0.703	6.0	11.4	0.7	45.7	20/09	0	15/03
	1985	0.165	0.027	0	0	0	0	0.651	30.1	39.9	17.6	5.30	0.967	7.9	14.7	1.1	69.2	22/09	0	27/02
	1986	0.189	-	0	0	0	0.084	1.14	9.06	26.0	11.2	4.66	0.782	-	7.9	-	36.2	07/09	0	01/02
	1987	0.209	0.052	0	0	0	0	0.075	2.02	23.3	11.0	1.81	0.372	3.2	6.1	0.4	31.0	06/09	0	06/03
	1988	0.087	0.003	0	0	0	0.057	2.28	27.4	42.7	12.4	2.49	0.420	7.3	14.1	0.5	79.6	24/08	0	20/02
	1989	0.119	0.003	0	0	0	0	0.750	-	36.0	16.5	2.57	0.658	-	-	0.6	83.8	25/08	0	06/02
	1990	0.131	0.003	0	0	0	0	1.84	18.9	20.4	7.04	1.87	-	-	8.0	-	26.2	22/08	0	01/03
	1991	0.101	0	0	0	0	0	0.692	13.9	25.0	24.0	7.39	1.60	6.1	10.6	1.5	42.6	04/09	0	22/02
	1992	0.420	0.141	0.003	0	0	0	5.87	21.0	27.9	14.5	4.09	0.983	6.2	11.5	0.9	34.2	07/09	0	11/03
	1993	0.396	0.082	0	0	0	0.008	0.612	18.4	39.0	15.4	-	-	-	12.2	-	55.1	30/08	0	25/03
	1994	0.372	0.199	0.044	0	0	0	0.076	1.67	26.5	55.3	29.7	3.71	9.8	13.9	5.7	75.3	10/10	0	04/04
	1995	0.949	0.372	0.112	0.016	0	0	0.265	29.7	43.8	24.5	-	1.35	-	16.4	-	62.4	28/08	0	21/06
	1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	m ³ /s	0.5	0.2	0	0	0.1	0.2	3.6	20.6	34.8	18.5	6.7	1.5	7.2	13.0	1.5	119	1/9/81	0	-
	MCM	1.3	0.5	0	0	0.3	0.5	9.6	55.2	90.2	49.6	17.4	4.0	228.6	205.4	23.2	-	-	-	-
	mm	1.3	0.5	0	0	0.3	0.5	9.7	55.8	91.1	50.1	17.6	4.0	230.9	207.5	23.4	-	-	-	-
	m ³ /s/100km ²	0.05	0.02	0	0	0.01	0.02	0.36	2.08	3.52	1.87	0.68	0.15	0.73	1.31	0.15	-	-	-	-

RIVER		: KANKELABA												CATCHMENT AREA		: 5,550 Km ²				
STATION		: DEBETE												ALTITUDE		: m				
BASIN		: BANI-NIGER																		
A.D.	Mean Discharge (m ³ /s)												Maximum		Minimum					
	Dry Season			Rainy Season						Dry Season			Discharge		Discharge					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date		
1980	0.593	0.217	0.041	0	0.008	0.448	3.30	40.3	115	22.2	7.32	2.48	16.0	30.2	1.8	172	15/09	0	03/05	
1981	0.936	0.344	0.159	0.012	0.770	1.42	17.7	147	219	46.1	11.1	2.62	37.3	72.0	2.5	296	10/09	0	02/05	
1982	0.777	0.311	0.095	0.057	0.153	0.710	5.62	70.5	101	27.7	14.0	2.79	18.6	34.3	3.0	133	05/09	0.002	21/04	
1983	0.747	0.366	0.107	0.040	0.241	0.101	1.11	30.0	54.7	21.6	3.88	0.943	9.5	18.0	1.0	70.8	23/09	0	08/05	
1984	0.291	0.077	0	0	0	0.699	0.698	10.0	46.2	23.0	3.25	0.660	7.1	13.4	0.7	72.3	14/09	0	04/06	
1985	0.189	0.019	0	0	0	1.31	44.0	110	51.4	5.59	1.25	1.34	17.8	34.5	1.2	198	25/09	0	05/06	
1986	0.364	0.114	0.043	0.033	0.259	0.055	2.24	90.2	40.2	6.15	1.34	0.830	15.3	29.2	1.3	111	10/09	0	07/04	
1987	0.389	0.100	0.002	0	0	1.44	2.74	66.8	30.4	3.99	0.830	0.830	9.6	18.3	0.9	82.9	17/09	0	22/05	
1988	0.291	0.059	0	0	0	1.15	25.2	102	80.9	8.75	2.07	2.07	31.4	60.9	1.9	179	29/08	0	26/05	
1989	0.566	0.226	0.041	0.007	0	0.884	1.09	147	43.6	5.23	1.30	1.30	23.3	45.4	1.2	203	03/09	0	15/04	
1990	0.450	0.163	0.018	0	0	0.070	38.0	91.4	-	4.27	2.01	2.01	-	-	1.2	-	-	0	26/03	
1991	0.586	0.095	0.003	0	-	0.581	9.27	169	39.6	11.6	2.83	2.83	-	-	2.5	274	05/09	0	28/05	
1992	1.02	0.407	0.092	0.336	1.54	0.420	5.76	146	37.5	6.27	2.03	2.03	22.3	42.9	1.7	165	12/09	0	20/04	
1993	0.679	0.211	0.067	0.005	0.043	0.199	2.05	123	38.7	6.59	2.37	2.37	16.6	31.6	1.7	149	17/09	0	07/05	
1994	0.798	0.348	0.114	0.011	0.005	0.360	1.92	237	-	110	13.1	13.1	-	-	20.7	-	-	0	13/04	
1995	3.730	1.580	0.610	0.398	14.500	4.160	13.5	223	108	22.6	5.07	5.07	44.4	83.2	5.7	279	08/09	0.346	30/04	
1996	2.380	0.976	0.404	0.183	0.243	3.940	27.2	158	60.5	10.6	3.79	3.79	29.7	56.3	3.1	-	-	-	-	
Average	m3/s	0.9	0.3	0.1	0.1	1.1	9.3	67.2	135.1	44.8	14.2	2.8	23.1	43.1	3.1	296	10/9/81	0		
	MCM	2.4	0.7	0.3	0.3	2.9	24.9	180.0	350.2	120.0	36.8	7.5	728.6	680.6	48.0					
	mm	0.4	0.1	0.1	0.1	0.5	4.5	32.4	63.1	21.6	6.6	1.4	131.3	122.6	8.6					
	m ³ /s/100km ²	0.02	0.01	0.002	0.002	0.02	0.17	1.21	2.43	0.81	0.26	0.05	0.42	0.78	0.06					

Note: "-" means data not available

Source: Director of Water

RIVER		CATCHMENT AREA												: 453 Km ²					
STATION		ALTITUDE												: m					
BASIN		: BANI-NIGER																	
A.D.	Mean Discharge (m ³ /s)														Maximum		Minimum		
	Dry Season				Rainy Season				Annual		Season		Discharge		Discharge				
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date	
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	0.063	0.069	0.003	0	0	0	0.043	0.905	0.234	0.071	0.016	0.117	0.197	0.037	2.11	18/09	0	-	-
1984	0	0	0	0.004	0	0.012	0.680	5.69	0.651	0.241	0.100	0.615	1.173	0.057	16.8	19/09	0	-	-
1985	0.018	0	0	0.003	0	3.12	13.1	16.1	1.38	0.421	0.136	2.857	5.617	0.096	45.0	15/09	0	-	-
1986	0.069	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	7.88	-	-	-	-	-	-	-	-
1988	7.17	6.63	5.46	0	0	1.45	16.9	21.7	9.81	7.80	-	-	9.822	-	43.2	05/09	0	-	-
1989	6.55	5.87	4.18	0	-	-	-	-	-	0	0	2.767	-	2.767	7.15	01/01	0	-	-
1990	0.034	0	0.149	0.097	0	0.172	3.30	2.79	1.92	1.36	0.953	1.049	1.665	0.432	19.5	22/07	0	04/01	-
1991	0.533	0	0	0.164	0	0	14.0	7.18	2.95	1.72	0.539	2.364	4.235	0.493	58.8	29/08	0	31/01	-
1992	0.671	0.493	0.127	0	0	0.225	2.72	3.18	3.20	0.624	0.299	0.962	1.554	0.369	16.9	28/08	0	17/03	-
1993	0.061	0.009	0	0.018	0.034	0.006	0.859	2.53	0.980	0.223	0.058	0.400	0.738	0.062	11.2	03/08	0	03/04	-
1994	0.036	0.006	0	0	0.075	0.009	4.26	15.5	38.0	6.39	0.925	5.458	9.690	1.226	71.5	10/10	0	12/04	-
1995	0.390	0.221	0	0.002	0	0.001	11.1	3.79	2.6	0.611	0.232	1.691	3.139	0.243	31.5	15/08	0	20/06	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	1.3	1.1	0.9	0	0	0.2	1.7	7.9	6.2	1.8	1.0	2.4	3.8	1.0	71.5	10/10/94	0	-	-
MCM	3.5	2.7	2.4	0	0	0.5	4.6	20.5	16.6	4.7	2.7	76.1	60.1	16.0	-	-	-	-	-
mm	7.7	6.0	5.3	0	0	1.1	10.2	39.5	36.6	10.4	6.0	168.0	132.7	35.3	-	-	-	-	-
m ³ /s/100km ²	0.29	0.24	0.20	0	0	0.04	0.38	1.48	1.37	0.40	0.22	0.53	0.84	0.22	-	-	-	-	-

Note: "-" means data not available

Source: Director of Water

RIVER STATION BASIN	CATCHMENT AREA												Maximum		Minimum				
	: KOUROUKELLE												Discharge		Discharge				
	: IRADOUGOU												m ³ /s		m ³ /s				
: SANKARANI-NIGER												Date		Date					
ALTITUDE												m ³ /s		m ³ /s					
: 1,990 Km ²												m ³ /s		m ³ /s					
: 398 m												m ³ /s		m ³ /s					
A.D.	Mean Discharge (m ³ /s)												Annual		Season				
	Dry Season			Rainy Season						Dry Season			Annual		Season				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	Avg.	Rainy	Dry	
1980	4.79	2.27	0.688	0.844	3.38	3.02	16.8	23.7	71.9	27.3	13.9	6.47	14.6	24.4	4.8	93.3	06/09	0.215	16/04
1981	2.78	1.25	0.530	0.348	1.24	0.926	21.4	64.6	76.1	30.7	12.3	5.19	18.1	32.5	3.7	84.0	08/09	0.215	24/04
1982	2.13	0.970	0.460	0.699	1.12	1.18	10.0	52.3	75.8	40.4	19.0	8.27	17.7	30.1	5.3	99.2	01/09	0.320	21/03
1983	4.04	2.45	0.833	0.295	0.839	2.42	7.19	44.6	42.6	19.4	6.88	2.92	11.2	19.5	2.9	56.2	24/08	0.214	16/04
1984	1.07	0.482	0.280	0.179	0.301	0.446	3.08	24.4	57.7	20.1	6.78	2.51	9.8	17.7	1.9	71.3	22/09	0.158	13/04
1985	0.974	0.390	0.186	0.025	0.303	0.311	11.4	63.1	71.0	52.2	12.6	4.71	18.1	33.1	3.1	97.6	25/09	0	05/04
1986	1.69	0.697	0.419	0.303	0.463	0.448	2.40	19.7	45.0	20.8	9.29	2.92	8.7	14.8	2.6	49.6	21/09	0.102	04/05
1987	1.17	0.524	0.166	-	-	0.219	0.634	4.99	42.5	19.5	5.90	1.99	-	-	-	67.4	11/09	-	-
1988	0.577	0.140	0.010	-	-	-	-	29.8	53.2	28.0	6.67	1.86	-	-	-	63.7	05/09	0	09/03
1989	0.629	0	0	0	0	0.047	5.25	42.4	62.8	25.1	6.43	1.87	12.0	22.6	1.5	69.6	09/09	0	-
1990	0.674	0.216	0.020	0	0.019	0.063	7.35	31.8	23.9	19.0	6.57	2.21	7.7	13.7	1.6	45.8	10/08	0	-
1991	1.00	0.456	0.183	0.095	0.199	0.731	11.9	73.1	57.0	21.7	13.2	5.60	15.4	27.4	3.4	85.8	30/08	0.074	05/04
1992	1.96	0.923	0.429	0.159	0.117	0.389	3.32	28.5	50.5	-	-	-	-	-	-	-	-	0.074	17/05
1993	1.64	0.778	0.900	0.496	0.523	0.807	2.85	16.6	62.8	34.3	10.3	4.13	11.3	19.6	3.0	77.8	17/09	0.284	25/04
1994	1.53	0.816	0.355	0.075	0.078	0.947	15.1	34.1	81.8	82.4	71.0	14.9	25.3	35.7	14.8	98.6	24/09	0	01/05
1995	6.86	3.320	1.460	0.945	0.597	0.450	3.79	60.3	79.6	56.9	14.5	6.19	19.6	33.6	5.5	89.2	13/09	0.348	01/07
1996	2.58	1.260	0.505	0.101	0.201	0.813	2.22	21.5	41.2	28.9	11.1	4.8	9.6	15.8	3.4	-	-	-	-
Average	m3/s	2.1	1.0	0.4	0.3	0.6	7.8	37.4	58.6	32.9	14.2	4.8	13.4	23.0	3.8	99.2	1/9/82	0	
MCM	mm	5.6	2.4	1.1	0.8	1.6	20.9	100.2	151.9	88.1	36.8	12.9	424.4	364.8	59.6				
mm	mm	2.8	1.2	0.6	0.4	0.8	1.1	10.5	76.3	44.3	18.5	6.5	213.3	183.3	29.9				
m ³ /s/100km ²	mm	0.11	0.05	0.02	0.02	0.03	0.39	1.88	2.94	1.65	0.71	0.24	0.67	1.16	0.19				

Note: "-" means data not available

Source: Director of Water

RIVER STATION BASIN		CAUGHTMENT AREA												: 28,800 Km ²						
		ALTIITUDE												: 14 m						
		: CAVALLY																		
		: TATE																		
: CAVALLY		Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
A.D.	Dry Season						Rainy Season						Dry	Annual Avg.	Rainy	Dry	Date	m ³ /s	Date	m ³ /s
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec								
1980	140	118	228	206	548	498	420	1,100	1,840	1,230	850	357	627.9	836.5	210.8	2,480	12/09	96.0	23/02	
1981	145	109	134	158	456	494	638	484	1,020	1,020	490	243	449.3	595.0	157.8	1,850	23/09	93.9	20/02	
1982	107	113	117	121	329	-	-	720	-	-	532	161	-	-	191.8	-	-	78.5	07/02	
1983	89.7	81.3	92.1	92.5	175	383	142	124	439	423	187	190	201.6	245.7	113.3	1,000	26/09	70.9	20/02	
1984	93.8	79.5	90.8	152	388	782	1,100	1,390	1,200	1,050	457	245	585.7	814.9	127.3	2,090	26/07	73.5	12/02	
1985	130	103	124	219	297	645	309	1,270	1,640	932	433	190	524.3	718.1	136.8	1,860	19/08	81.1	16/02	
1986	97.5	75.7	87.2	92.3	210	352	144	148	540	705	458	131	253.4	331.2	97.9	1,080	04/10	64.4	11/04	
1987	85.3	91.7	150	176	222	409	347	966	1,560	1,360	490	234	507.6	691.3	140.3	2,120	30/09	76.9	22/01	
1988	104	101	171	194	270	930	723	416	1,600	1,370	-	-	-	687.9	-	2,230	02/10	85.4	25/01	
1989	122	91.4	120	131	173	574	635	839	1,690	1,760	-	-	-	725.3	-	2,430	19/09	84.9	26/02	
1990	-	-	-	-	-	-	-	-	-	831	-	-	-	-	-	-	-	-	-	-
1991	-	-	206	206	618	793	726	706	1,020	811	482	295	-	670.3	-	1,530	06/07	-	-	-
1992	96.6	90.7	89.3	143	258	498	269	188	456	703	461	176	285.7	372.0	113.2	1,190	25/09	72.2	03/02	
1993	100	86.1	101	103	146	350	206	243	1,160	1,270	516	219	375.0	499.3	126.5	1,790	22/09	71.8	07/02	
1994	107	104	110	146	319	559	221	392	1,210	2,030	1280	298	564.7	769.6	154.8	2,480	12/10	81.1	16/03	
1995	144	85.3	180	308	458	616	459	921	1,520	1,550	760	449	620.9	824.0	214.6	2,200	05/10	78.5	13/02	
1996	194	157	198	307	442	681	1,100	924	909	1,020	532	400	572.0	739.4	237.3	-	-	-	-	
Average	117.1	99.1	137.4	172.2	331.8	570.9	495.9	676.9	1,186.9	1,129.1	566.3	256.3	478.3	641.3	152.5	2,480	12/10/94	64.4	11/4/86	
MCM	313.6	239.7	368.0	446.3	888.7	1,479.8	1,328.2	1,813.0	3,076.4	3,024.2	1,467.8	686.5	15,132.2	13,524.4	1,607.8	-	-	-	-	-
mm	10.9	8.3	12.8	15.5	30.9	51.4	46.1	63.0	106.8	105.0	51.0	23.8	525.4	469.6	55.8	-	-	-	-	-
m ³ /s/100km ²	0.41	0.34	0.48	0.60	1.15	1.98	1.72	2.35	4.12	3.92	1.97	0.89	1.66	2.23	0.53	-	-	-	-	-

Note: "-" means data not available

Source: Director of Water

RIVER : CAVALLY : CAVALLY : CATCHMENT AREA : 4,670 Km²
 STATION : TOULEPLEU (SAIHIBLI) ALTITUDE :
 BASIN : CAVALLY

A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge															
	Dry Season						Rainy Season						Annual		Season		Date													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	mm ³ /s	Date	mm ³ /s	Date		
1980	13.6	7.69	9.45	10.5	24.6	43.7	72.7	258	-	200	79.7	32.8	-	33.4	-	-	-	-	-	-	-	-	-	-	-	-	5.55	19/02		
1981	14.0	8.35	8.71	15.0	34.5	29.2	89.9	158	172	143	58.7	23.3	62.9	26.1	81.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	2.14	19/09	5.25	05/03	
1982	12.0	8.02	9.95	9.38	30.1	65.1	57.1	124	199	94.8	52.4	17.1	56.6	22.4	73.7	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	2.12	24/09	4.01	09/02	
1983	5.92	3.54	2.21	3.75	7.92	23.9	28.8	71.1	143	140	36.0	17.0	40.3	15.6	52.6	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	2.13	01/10	1.17	20/03	
1984	6.07	2.84	4.08	7.08	26.8	43.6	113	126	174	104	45.8	19.7	56.1	18.6	74.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	2.05	03/09	1.83	28/02	
1985	8.39	3.74	5.49	6.69	16.0	32.3	116	194	258	214	49.6	20.8	77.1	20.6	105.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	3.19	08/10	2.23	23/02	
1986	6.67	3.41	4.21	4.38	13.3	21.8	29.4	53.1	120	113	79.6	19.0	39.0	27.2	44.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	1.96	27/09	3.11	16/02	
1987	8.33	4.04	4.16	5.00	-	16.2	33.5	76.0	221	211	56.3	24.6	-	23.3	-	-	-	-	-	-	-	-	-	-	-	3.04	02/10	2.63	22/04	
1988	8.68	3.86	4.06	-	8.92	32.3	112	133	-	193	65.6	34.1	-	28.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.98	25/02	
1989	11.3	5.80	8.09	8.96	12.2	19.7	57.5	150	266	169	68.4	26.8	67.0	28.1	86.4	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	2.89	19/09	3.53	01/03	
1990	12.7	5.15	4.48	9.47	23.5	31.0	84.8	91.6	181	161	83.6	-	-	-	73.4	-	-	-	-	-	-	-	-	-	-	2.09	10/10	2.50	26/03	
1991	-	-	-	-	-	-	-	-	-	127	81.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	95.5	138	141	158	70.9	25.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.92	04/10	-	-	
1993	11.5	4.72	8.91	9.90	21.3	47.9	55.0	112	167	148	72.7	26.8	57.1	28.9	71.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	1.97	27/09	3.50	02/03	
1994	9.85	6.90	5.94	7.98	17.5	33.1	-	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.67	17/02	
1995	17.9	5.79	10	15.4	26.9	50.7	81.6	177	329	324	146	54.7	103.2	56.1	126.8	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	3.74	09/10	3.39	24/02	
1996	26.2	27.9	17.9	21.3	18.8	79.8	194	193	306	366	101	64.6	118.0	54.9	149.6	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	-	-	-	-	
Average	m ³ /s	11.5	6.8	7.2	9.6	20.2	38.0	81.4	135.5	205.9	179.1	29.0	66.3	29.8	84.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	374	9/10/95	1.17	20/3/83	
	MCM	30.8	16.5	19.3	24.9	54.1	98.5	218.0	362.9	533.7	479.7	77.7	2,101.9	355.0	1,746.9	2,101.9	2,101.9	2,101.9	2,101.9	2,101.9	2,101.9	2,101.9	2,101.9	2,101.9	2,101.9					
	mm	6.6	3.5	4.1	5.3	11.6	21.1	46.7	77.7	114.3	102.7	16.6	450.1	76.0	374.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1					
	m ³ /s/100km ²	0.25	0.15	0.15	0.21	0.43	0.81	1.74	2.90	4.41	3.84	0.62	1.42	0.64	1.81	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42					

Note: "-" means data not available
 Source: Director of Water

RIVER		: NIOULO (ODRENISROU)												CATCHMENT AREA		: 106 Km ²			
STATION		: TIEOULEOULA												ALTITUDE		: m			
BASIN		: CAVALLY																	
A.D.	Mean Discharge (m ³ /s)												Maximum Discharge		Minimum Discharge				
	Dry Season			Rainy Season			Dry Season			Annual			Season		Dry		Date		
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date	m ³ /s	Date	
1980	0.219	0.203	1.00	1.10	2.23	1.82	1.59	3.87	4.86	2.38	1.87	0.751	1.8	2.4	0.8	17	09/09	0.020	11/02
1981	0.165	0.039	0.036	0.259	0.989	2.47	1.78	1.74	3.70	3.66	2.21	0.567	1.5	1.8	0.7	14	21/09	0	19/04
1982	0.119	0.589	0.235	0.099	2.04	3.61	1.07	2.82	0.752	1.68	1.29	0.347	1.2	1.5	0.6	15	29/05	0	14/02
1983	0.033	0.006	0.005	0.028	0.275	1.52	0.165	0.024	0.941	1.07	0.293	0.105	0.4	0.5	0.1	9	19/10	0	22/03
1984	0.005	0	0.079	0.590	3.07	3.77	4.98	4.16	5.09	5.38	1.89	1.08	2.5	3.4	0.7	17	05/10	0	23/02
1985	0.757	0.388	-	-	-	2.71	1.15	6.18	7.29	2.50	0.994	0.282	-	-	0.6	27	04/09	-	-
1986	0.082	0.067	0.097	0.221	0.627	0.570	0.648	0.169	3.68	4.78	1.15	0.265	1.0	1.3	0.4	23	18/09	0	16/04
1987	0.166	0.452	0.544	0.265	1.06	1.18	2.10	2.58	10.3	4.42	0.931	0.602	2.1	2.8	0.5	26	07/09	0.004	19/04
1988	0.178	0.177	0.249	0.264	0.318	3.65	1.66	1.28	3.26	2.29	1.79	0.280	1.3	1.6	0.6	20	25/06	0.062	07/04
1989	0.076	0.018	0.084	0.638	0.301	1.24	1.66	5.06	5.46	6.43	1.34	0.722	1.9	2.6	0.5	26	29/08	0	31/01
1990	0.338	0.199	0.080	0.140	0.667	0.572	0.238	0.145	3.46	2.71	3.05	0.976	1.0	1.0	1.1	19	21/11	0.014	30/03
1991	0.411	0.310	0.452	0.485	1.98	1.69	1.40	3.33	4.43	3.45	1.56	0.862	1.7	2.2	0.8	19	04/09	0.226	25/02
1992	0.521	0.768	0.613	1.48	1.04	1.81	0.695	0.444	1.61	1.59	1.52	0.894	1.1	1.2	0.9	14	20/11	0.132	09/11
1993	0.331	0.284	0.238	0.337	0.401	1.06	0.236	0.157	5.01	5.56	1.46	0.394	1.3	1.6	0.6	19	12/10	0.042	07/04
1994	0.244	0.180	0.249	0.361	0.456	0.750	0.257	0.593	4.14	7.08	3.87	0.636	1.6	1.7	1.2	26	01/10	0.105	10/02
1995	0.337	0.149	1.250	0.470	1.170	1.890	0.957	4.240	5.65	7.99	2.01	2.050	2.3	3.0	1.1	22	02/10	0.12	21/02
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	0.2	0.2	0.3	0.4	1.1	1.9	1.3	2.3	4.4	3.9	1.7	0.7	1.5	2.0	0.7	27	4/9/85	0	
MCM	0.5	0.5	0.8	1.0	2.9	4.9	3.5	6.2	11.4	10.4	4.4	1.9	48.4	39.3	9.1				
mm	4.7	4.7	7.5	9.4	27.4	46.2	33.0	58.5	107.5	98.1	41.5	17.9	456.6	370.8	85.8				
m ³ /s/100km ²	0.19	0.19	0.28	0.38	1.04	1.79	1.23	2.17	4.15	3.68	1.60	0.66	1.45	1.84	0.66				

Note: "-" means data not available

Source: Director of Water

RIVER		CATCHMENT AREA												Minimum							
STATION		ALTITUDE												Discharge							
BASIN		ALTIMITUDE												Date							
		Mean Discharge (m ³ /s)												Discharge							
A.D.		Dry Season			Rainy Season						Dry Season			Season		Discharge					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.	Rainy	Dry	m ³ /s	Date			
	1980	10.7	5.98	3.29	4.01	12.9	-	-	-	825	229	88.8	21.7	-	-	22.4	1,020	13/09	1.79	04/04	
	1981	7.94	4.10	2.82	3.14	16.8	-	-	255	313	122	33.3	10.1	-	-	10.2	371	25/09	1.24	23/04	
	1982	4.90	3.17	3.21	12.2	32.0	35.5	60.5	142	258	90.9	46.1	13.5	58.5	103.2	13.8	349	15/09	1.46	27/03	
	1983	9.43	6.64	4.37	3.43	17.8	37.3	72.9	152	164	45.5	9.89	2.82	43.8	81.6	6.1	354	14/08	1.94	31/12	
	1984	1.36	0.157	0	0.302	30.9	68.3	57.4	88.3	134	103	9.18	1.71	41.2	80.3	2.1	275	15/09	0	06/04	
	1985	0.127	0	0	0.027	7.56	59.8	233	618	706	259	51.5	24.8	163.3	313.9	12.7	772	16/09	0	29/03	
	1986	3.59	0.661	0.025	0	7.31	44.5	82.3	221	556	260	63.9	19.0	104.9	195.2	14.5	703	16/09	0	04/05	
	1987	4.93	3.67	2.19	1.71	0.907	53.7	55.2	494	573	236	28.0	8.72	121.8	235.5	8.2	787	05/09	0.368	31/05	
	1988	2.87	1.68	1.07	5.06	13.7	26.1	166	274	678	367	68.0	40.3	137.0	254.1	19.8	818	28/09	0.584	25/03	
	1989	5.91	5.72	4.61	7.57	7.06	9.37	210	513	-	-	418	71.2	-	-	85.5	-	-	1.68	20/03	
	1990	13.2	8.03	2.61	0.659	0.015	11.0	69.1	138	-	50.7	-	-	-	-	-	-	-	0	01/06	
	1991	-	-	-	8.80	47.1	160	120	383	624	212	67.5	40.2	-	257.7	-	835	31/08	-	-	
	1992	14.7	5.60	2.45	3.92	14.1	60.2	81.6	111	315	100	33.4	20.5	63.5	113.7	13.4	470	18/09	0.910	08/04	
	1993	6.35	3.27	3.57	1.36	4.12	-	125	369	449	-	-	20.8	-	-	-	745	06/09	0	23/05	
	1994	3.72	1.72	1.23	2.21	11.3	39.6	114	289	629	653	241	60.9	170.6	289.3	51.8	843	29/09	1.02	17/03	
	1995	44.6	33.6	25.8	8.19	21.3	47.5	125	296	288	195	40.1	9.63	94.6	162.1	27.0	413	02/09	6.55	15/04	
	1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	m ³ /s	9.0	5.6	3.8	3.9	15.3	50.2	112.3	289.6	465.1	208.8	85.6	24.4	106.1	190.2	22.1	1,020	13/9/80	0	-	
	MCM	24.1	13.5	10.2	10.1	41.0	130.1	300.8	775.7	1,205.5	559.2	221.9	65.4	3,357.5	3,012.3	345.2	-	-	-	-	-
	mm	0.2	0.1	0.1	0.1	0.4	1.2	2.7	7.0	10.8	5.0	2.0	0.6	30.1	27.0	3.1	-	-	-	-	-
	m ³ /s/100km ²	0.01	0.01	0.003	0.003	0.01	0.05	0.10	0.26	0.42	0.19	0.08	0.02	0.10	0.17	0.02	-	-	-	-	-

Note: "-" means data not available

Source: Director of Water

**CHAPTER 3 HYDRO-METEOROLOGICAL NETWORK
MANAGEMENT SYSTEM**

3.1 Figure of Hydrological Network Management System

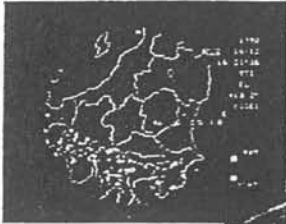
Signal Processing Device

Color PPI Device

Collection Processing Device

Analytical Processing Device

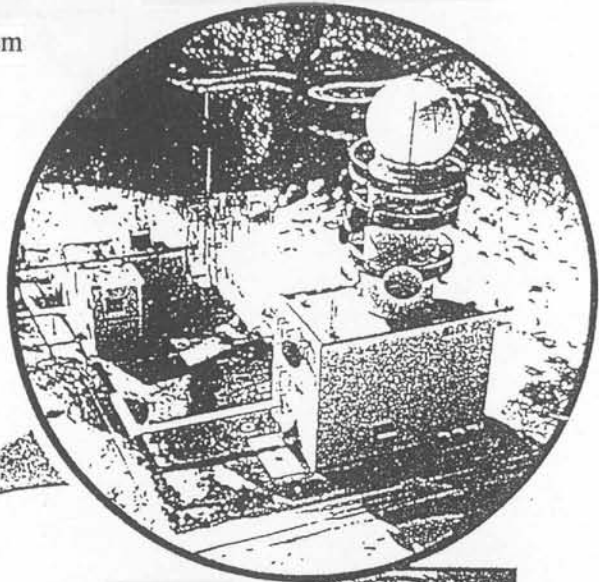
Laser Videodisk Device



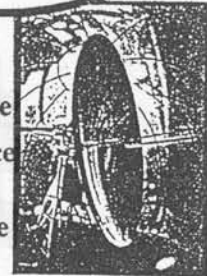
Management Office



Radar Rain-Gauge System



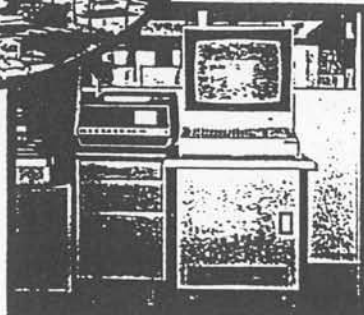
**Antenna
Transmission &
Receiving Device
Monitoring Device
Signal Processing
Device**



Management Office

CRT Display

Terminal Device



Headquarters

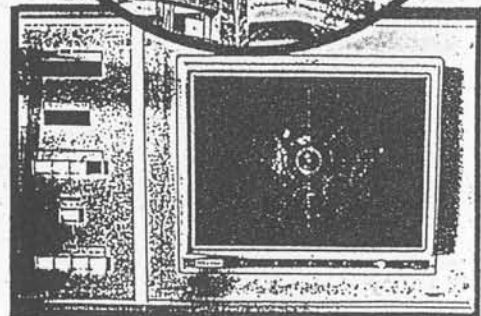
Analytical Processing Device

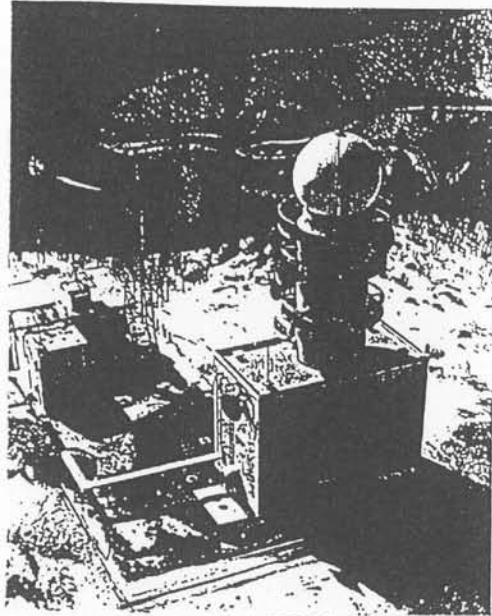
Laser Videodisk Device

PPI Device

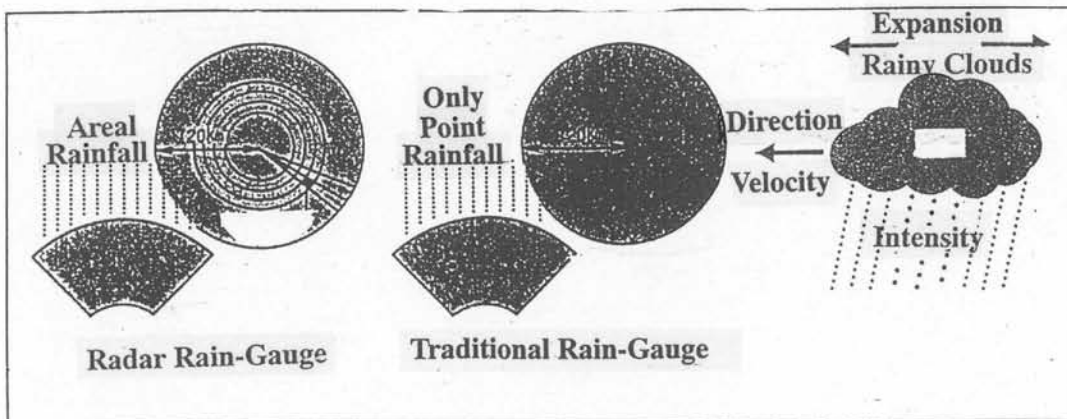
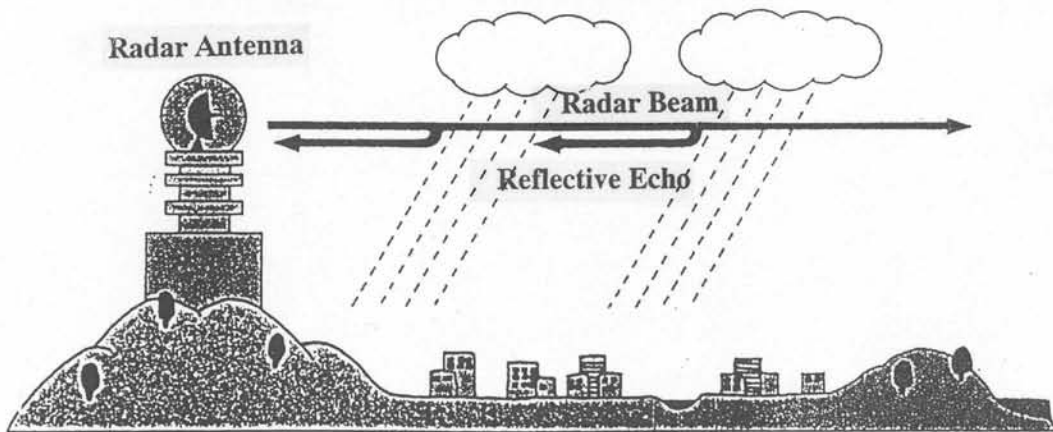
PPI (Plane Position Indicator)

Composition Processing Device



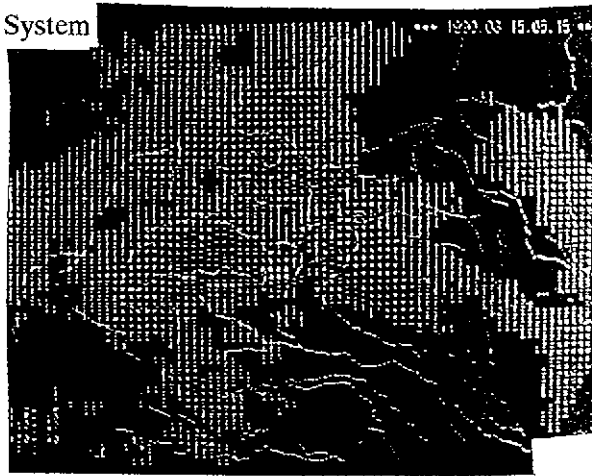


Radar Rain-gauge Station

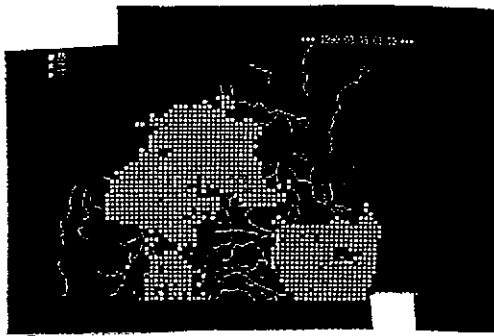


Radar Rain-Gauge System

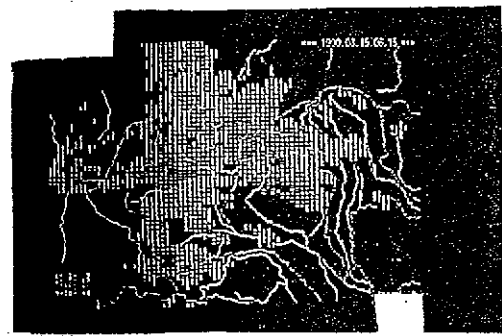
3.2 Figure of Radar Rain-gauge System



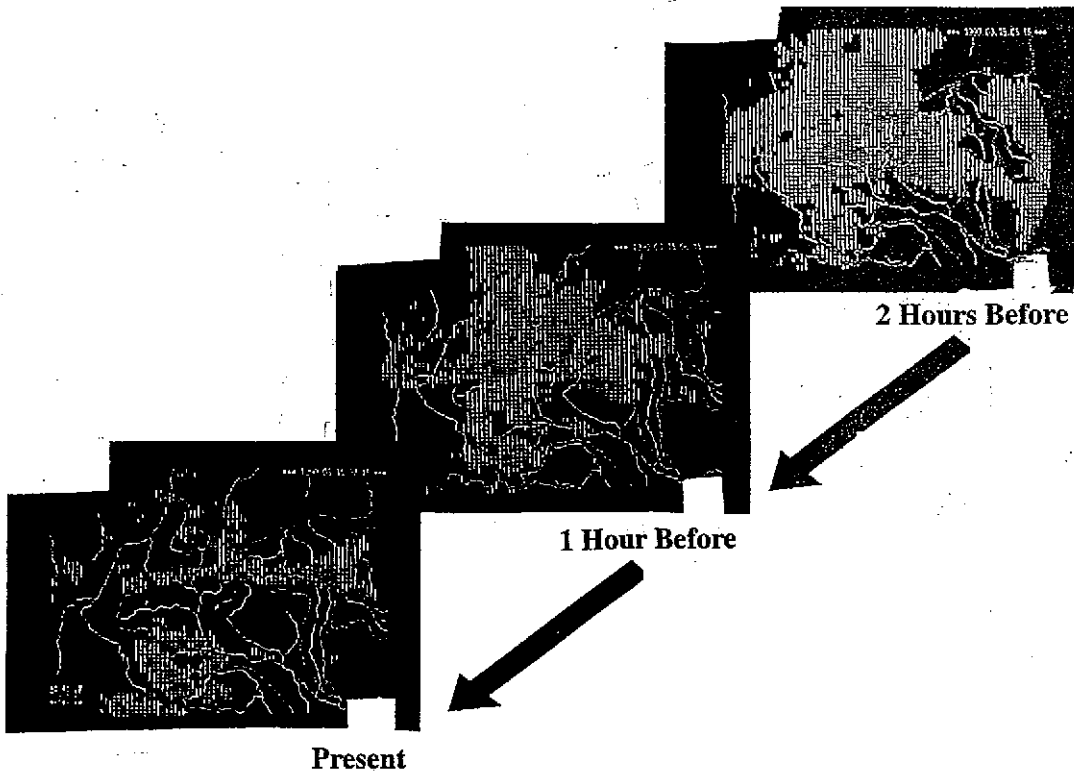
Display by Radar-Rainfall



Qualitative Display



Quantitative Display



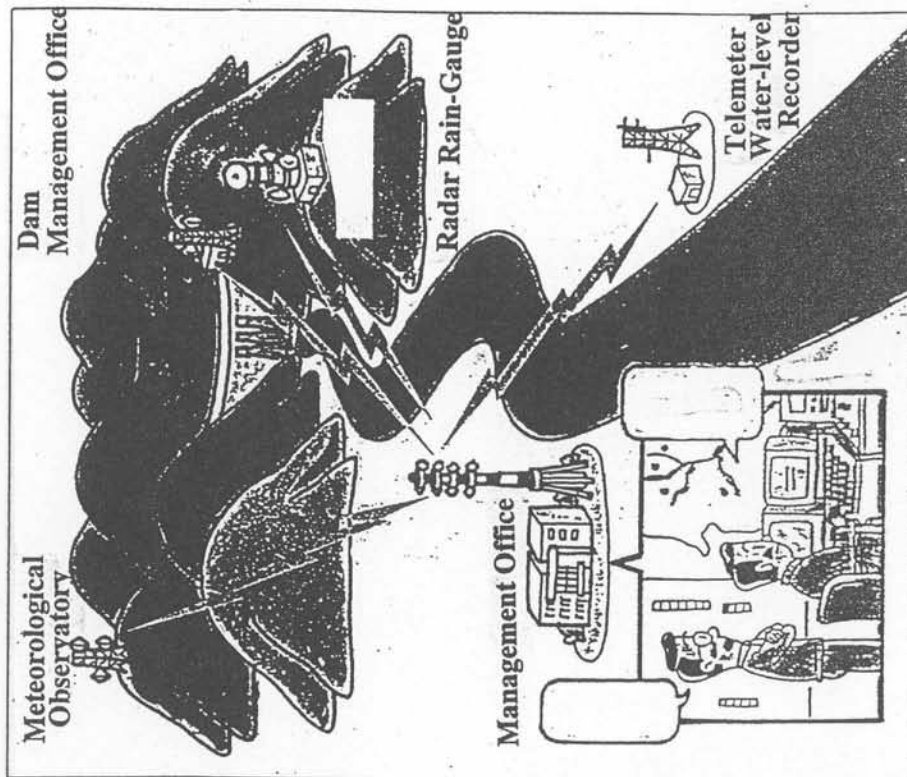
Present

1 Hour Before

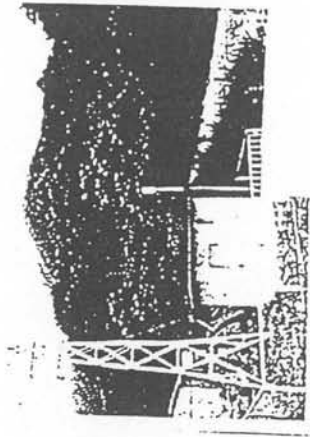
2 Hours Before

Radar Rain-Gauge System

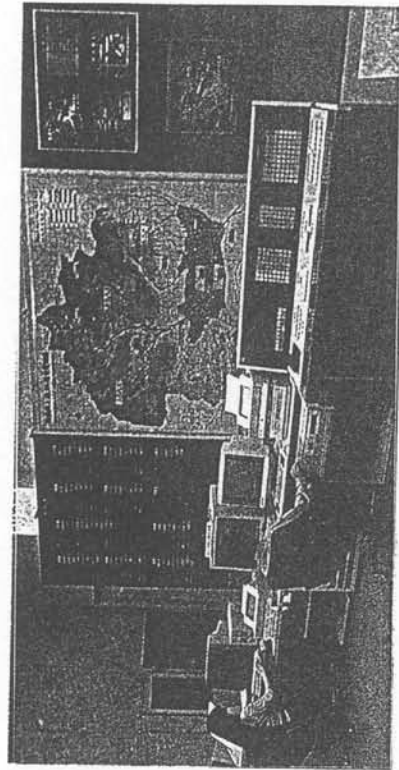
3.3 Figure of Conceptual Image of Management Office



Management on River Runoff and Dam



Telemetric Rain-Gauge Station



Information Management Room

Conceptual Image of Management Office

1.2 Tables

Representative Zonal Average Rainfall (A.D. 1980-1996)

(Unit: mm)

Climatic Classification	Rain-Gauge Station		Dry Season			Rainy Season								Dry	Annual	Rainy Season	Dry Season
	No.	Name	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.				
Attie Climatic Zone	1	Abidjan Aero	18.0	25.1	102.9	141.9	295.4	453.5	120.2	36.8	73.5	156.5	137.4	61.3	1,622.5	1,415.2	207.3
	3	Aboisso	22.5	46.6	122.6	163.4	200.5	298.6	173.6	105.2	151.5	199.1	106.3	44.5	1,634.4	1,398.2	236.2
	4	Adiake	62.5	52.7	97.2	124.2	266.8	379.5	151.3	62.4	120.4	174.1	108.5	51.7	1,651.3	1,387.2	264.1
	5	Adzope	9.9	33.6	104.4	148.2	151.4	244.0	125.7	68.8	131.3	159.7	56.0	20.1	1,253.1	1,085.1	168.0
	6	Aghoville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	Alepe	22.6	51.3	125.1	142.5	233.7	297.3	128.7	54.1	100.9	151.7	121.0	53.8	1,482.7	1,229.9	252.8
	9	Azaguie	21.7	46.0	143.8	138.9	199.0	243.3	127.2	56.6	129.8	165.7	115.3	55.1	1,442.4	1,175.8	266.6
	21	Divo	8.8	64.5	110.0	155.1	155.6	199.7	96.6	78.3	113.5	135.3	84.6	43.0	1,245.0	1,018.7	226.3
	23	Fresco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	Gagnoa	11.5	58.7	128.4	175.9	187.6	180.6	84.2	100.9	154.1	152.5	81.9	31.8	1,348.1	1,117.7	230.4
	25	Grand-Lahou	13.3	46.4	85.4	104.9	203.8	370.6	171.6	47.0	67.1	129.0	109.3	38.2	1,386.6	1,203.3	183.3
	26	Grand Bereby	12.6	13.2	43.6	89.9	327.3	297.8	123.1	96.2	74.7	91.1	124.5	51.1	1,345.1	1,224.6	120.5
	27	Guiglo	16.2	53.9	118.3	169.9	178.3	198.0	156.1	218.5	245.7	182.3	46.9	33.2	1,617.3	1,395.7	221.6
	30	Lakota	15.9	83.0	119.3	122.9	144.9	178.1	84.2	73.7	99.3	144.3	68.0	36.1	1,169.7	915.4	254.3
	38	Sassandra	10.7	24.4	44.8	99.4	265.6	304.8	141.1	47.9	40.3	98.5	115.5	67.8	1,260.8	1,113.1	147.7
	40	Soubre	15.5	68.2	123.4	130.1	157.9	191.2	98.2	150.2	152.5	159.6	85.5	34.4	1,366.7	1,125.2	241.5
	41	Tabou	42.2	28.7	63.1	135.9	421.7	521.1	205.6	193.1	268.3	191.3	154.4	113.0	2,338.4	2,091.4	247.0
42	Tai	11.2	75.3	188.5	189.7	227.0	231.5	151.4	265.0	318.4	273.9	115.8	44.8	2,092.5	1,772.7	319.8	
47	Toulepleu	14.5	41.7	123.6	121.3	187.1	213.7	137.0	213.3	301.2	156.4	62.0	31.4	1,603.2	1,392.0	211.2	
Average			19.4	47.8	108.5	138.5	223.7	282.5	133.9	109.9	149.6	160.1	99.6	47.7	1,521.2	1,297.8	223.4
Climatic Classification	Rain-Gauge Station		Dry Season			Rainy Season								Dry Season	Annual	Rainy Season	Dry Season
	No.	Name	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.			
Baoule Climatic Zone	2	Abengourou-Ircc	7.6	47.6	132.6	144.1	184.5	197.8	139.0	92.5	139.6	156.3	43.2	31.2	1,316.0	1,053.8	262.2
	7	Agnibilekro	4.6	37.8	109.3	144.3	151.7	177.1	107.9	74.4	144.1	119.3	38.2	17.0	1,125.7	918.8	206.9
	10	Beoumi	6.2	41.7	78.9	106.7	127.5	103.3	131.7	162.3	172.6	105.6	26.6	7.3	1,070.4	909.7	160.7
	11	Bocanda	7.2	40.6	99.0	132.7	145.9	140.7	80.2	85.9	143.6	119.1	39.9	9.7	1,044.5	848.1	196.4
	13	Bongouanou	5.9	39.8	114.5	129.3	149.8	186.1	102.9	91.6	114.3	149.5	40.8	11.0	1,135.5	923.5	212.0
	14	Bouafle	9.2	53.7	108.1	144.8	159.5	136.3	105.4	135.4	156.2	102.7	43.5	10.7	1,165.5	940.3	225.2
	15	Bouake (Aero)	9.3	37.7	74.6	134.7	133.0	111.1	135.3	159.6	161.7	91.2	29.9	8.1	1,086.2	926.6	159.6
	19	Daoula Agricole	6.6	57.1	108.1	123.4	125.8	109.1	112.7	174.0	176.9	127.4	41.4	20.4	1,182.9	949.3	233.6
	20	Dimbokro	11.1	40.5	104.7	119.0	163.0	167.4	83.9	80.0	113.2	139.2	40.9	13.7	1,076.6	865.7	210.9
	28	Katiola	7.0	20.0	63.0	103.5	138.1	105.7	125.1	140.6	160.4	93.3	22.3	4.8	983.8	866.7	117.1
	32	Mankono	9.7	39.8	76.0	126.8	120.0	114.1	160.9	172.8	154.6	101.7	18.4	19.8	1,114.6	950.9	163.7
	33	M'bahiakro	4.2	37.5	88.5	105.0	156.6	130.1	113.9	83.7	132.6	96.3	26.4	17.0	991.8	818.2	173.6
	37	Oume	9.6	48.3	98.3	142.6	141.0	140.5	78.3	85.9	111.0	130.6	54.3	24.2	1,064.6	829.9	234.7
	39	Seguela	17.3	36.3	67.3	90.4	115.3	126.6	124.0	175.7	163.6	100.8	40.1	15.9	1,073.3	896.4	176.9
	45	Tiebissou	9.3	40.2	91.1	135.1	148.3	132.3	123.0	149.6	137.2	90.9	21.9	9.6	1,088.5	916.4	172.1
	48	Toumoukoro	3.0	10.7	25.3	62.6	101.3	155.6	219.4	240.8	171.1	72.5	3.2	3.2	1,068.7	1,023.3	45.4
	49	Vavoua	19.6	39.2	113.2	121.7	125.2	105.1	108.1	153.9	191.2	99.3	25.0	11.9	1,113.4	904.5	208.9
50	Yamoussoukro Ville	6.3	44.2	104.1	123.8	171.8	155.1	107.3	87.6	142.3	116.0	30.4	5.1	1,094.0	903.9	190.1	
51	Zouenoula	4.4	46.6	88.3	128.4	104.6	101.6	108.9	142.0	170.3	97.2	27.3	17.3	1,036.9	853.0	183.9	
Average			8.3	40.0	91.8	122.0	140.2	136.6	119.4	131.0	150.3	111.0	32.3	13.6	1,096.5	910.5	186.0
Climatic Classification	Rain-Gauge Station		Dry Season			Rainy Season								Dry Season	Annual	Rainy Season	Dry Season
	No.	Name	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.			
Sundanese Climatic Zone	12	Bondoukou	10.1	21.1	81.4	133.1	161.2	165.8	119.4	95.7	179.1	117.2	25.7	12.1	1,121.9	838.4	283.5
	16	Bouna	4.1	9.5	40.1	77.9	123.0	112.5	160.7	155.5	184.2	89.9	24.3	6.3	988.0	825.8	162.2
	17	Boundiali	0.7	11.2	57.5	79.5	107.4	151.4	250.9	303.8	185.0	125.5	17.6	5.7	1,296.2	1,124.0	172.2
	18	Dabakala	3.6	15.8	59.1	119.8	115.0	106.9	109.4	139.6	150.2	98.3	16.7	10.6	945.0	719.4	225.6
	22	Ferkessedougou	0.6	18.9	39.1	96.9	103.5	164.1	166.7	247.0	183.6	70.3	21.6	1.6	1,113.9	935.2	178.7
	29	Korhogo Aero	7.5	12.1	57.3	82.6	132.5	134.5	206.7	246.9	212.0	94.3	19.7	5.9	1,212.0	1,026.9	185.1
	34	Minignan	1.1	10.9	28.4	77.4	134.1	142.4	279.0	323.5	216.0	94.5	15.1	1.9	1,324.3	1,189.5	134.8
	35	Odienne	4.3	9.4	26.1	72.3	108.9	135.1	247.9	303.7	212.5	119.7	21.6	4.6	1,266.1	1,127.8	138.3
	36	Ouangolodougou	1.7	3.2	24.2	72.1	95.6	136.5	174.5	255.6	150.2	93.2	21.5	3.6	1,031.9	905.6	126.3
	43	Tengrela	0.0	6.4	10.6	27.6	92.5	121.4	225.2	288.8	154.3	49.3	4.4	0.0	980.5	931.5	49.0
Average			3.4	11.9	42.4	83.9	117.4	137.1	194.0	236.0	182.7	95.2	18.8	5.2	1,128.0	962.4	165.6
Climatic Classification	Rain-Gauge Station		Dry Season			Rainy Season								Dry Season	Annual	Rainy Season	Dry Season
	No.	Name	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.			
Mountainous Climatic Zone	31	Man-Aero	5.9	38.4	112.4	145.7	144.7	168.7	219.6	313.5	274.9	138.6	32.9	16.6	1,611.9	1,518.1	93.8
	46	Touba	7.6	30.5	73.8	112.6	167.6	146.4	162.4	251.2	206.8	100.5	19.5	7.5	1,286.4	1,221.3	65.1
	Average			6.8	34.5	93.1	129.2	156.2	157.6	191.0	282.4	240.9	119.6	26.2	12.1	1,449.2	1,370.0

Note: "-" means data not Available

Representative Zonal Average Rainfall in A.D. 1983

(Unit: mm)

Climatic Classification	Rain-Gauge Station		Dry Season			Rainy Season								Dry	Annual	Rainy	Dry
	No.	Name	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Season	Season
Attie Climatic Zone	1	Abidjan Aero	0.0	0.4	20.5	156.8	425.5	622.0	10.3	16.5	17.6	43.6	127.6	63.7	1,504.5	1,419.9	84.6
	3	Aboisso	0.0	1.2	64.0	46.1	262.8	407.6	92.2	58.5	124.0	94.2	40.3	126.9	1,317.8	1,125.7	192.1
	4	Adiako	0.0	25.3	92.8	124.9	632.1	582.9	56.5	0.0	0.0	37.7	101.0	37.7	1,690.9	1,535.1	155.8
	5	Adzope	0.0	27.0	4.0	111.2	174.3	175.5	0.0	7.0	62.1	80.7	54.1	11.0	706.9	664.9	42.0
	6	Agboville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	Alepe	0.0	13.4	10.6	72.2	278.2	241.0	16.4	15.7	114.8	95.9	54.8	131.6	1,044.6	889.0	155.6
	9	Azaguie	0.0	35.0	77.6	110.0	227.3	306.6	34.1	14.7	21.7	125.6	50.7	64.7	1,068.0	890.7	177.3
	21	Divo	0.0	59.5	84.0	95.3	91.1	159.3	27.6	11.6	28.7	113.0	70.1	141.0	881.2	596.7	284.5
	23	Fresco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	Gagnoa	0.0	30.4	126.2	197.6	244.0	272.7	43.3	20.8	27.7	64.5	196.0	96.1	1,319.3	1,066.6	252.7
	25	Grand-Lahou	0.0	8.0	-	80.2	309.0	282.6	24.9	18.4	55.3	15.5	43.4	60.1	-	829.3	-
	26	Grand Bereby	0.1	16.2	39.4	36.0	582.6	176.6	44.0	54.6	28.9	57.5	207.0	59.2	1,302.1	1,187.2	114.9
	27	Guiglo	2.0	23.3	32.4	96.8	341.4	245.0	62.1	67.6	257.8	45.2	41.0	90.3	1,304.9	1,156.9	148.0
	30	Lakota	0.0	27.8	52.1	136.7	173.8	234.1	44.9	18.9	24.5	126.9	83.0	95.7	1,018.4	842.8	175.6
	38	Sassandra	0.0	10.0	25.5	93.7	474.4	162.4	4.2	43.5	29.6	10.9	107.7	121.2	1,083.1	926.4	156.7
	40	Soubre	0.0	70.4	231.8	131.1	172.7	219.6	53.0	61.0	79.8	101.1	68.6	64.0	1,253.1	886.9	366.2
	41	Tabou	0.0	12.5	102.2	23.6	1,094.0	271.8	55.3	90.2	139.2	-	143.2	196.0	-	1,817.3	-
	42	Tai	0.1	27.3	79.1	-	213.8	248.7	84.2	59.0	167.0	123.8	58.4	16.1	-	954.9	-
	47	Toulepleu	0.0	35.5	42.5	28.8	209.5	225.2	23.9	92.4	272.4	52.3	40.9	45.6	1,069.0	945.4	123.6
		Average	0.1	24.9	67.8	96.3	347.4	284.3	39.8	38.3	85.4	74.3	87.5	83.6	1,229.7	1,053.3	176.4
Baoule Climatic Zone	2	Abengourou-Ircc	0.0	21.8	17.7	82.3	327.4	250.3	35.7	19.5	117.0	26.5	15.3	181.5	1,095.0	858.7	236.3
	7	Agnibilekro	0.0	46.2	30.0	136.7	127.8	163.9	28.1	0.0	83.2	0.0	2.4	50.3	668.6	539.7	128.9
	10	Beoumi	0.0	11.5	35.5	108.1	145.0	67.3	17.2	36.4	73.6	19.7	12.0	3.0	529.3	467.3	62.0
	11	Bocanda	0.0	50.9	39.1	57.6	322.3	102.9	25.2	0.0	89.2	10.4	50.8	27.4	775.8	607.6	168.2
	13	Bongouanou	0.0	63.9	24.1	158.3	224.9	276.1	0.0	8.9	62.1	23.8	56.6	19.5	918.2	754.1	164.1
	14	Bouaflé	0.0	4.0	41.8	156.3	302.9	93.2	33.1	3.0	142.5	8.7	28.6	4.1	818.2	739.7	78.5
	15	Bouake (Aero)	0.0	8.2	17.7	143.1	282.8	67.3	23.9	56.7	98.9	3.1	12.3	12.7	726.7	675.8	50.9
	19	Daoua Agricole	0.0	36.0	35.1	56.6	-	120.0	23.8	74.3	184.9	39.1	107.2	79.7	-	498.7	-
	20	Dimbokro	0.0	30.0	48.4	119.1	290.5	353.5	4.4	1.4	58.2	11.5	12.1	38.7	967.8	838.6	129.2
	28	Katiola	0.0	0.0	19.4	85.6	147.3	60.6	69.0	95.7	81.1	14.0	36.5	19.1	628.3	553.3	75.0
	32	Mankono	0.0	58.2	0.0	111.8	90.7	48.0	30.2	82.5	141.8	13.5	23.6	26.8	627.1	518.5	108.6
	33	M'bahiakro	0.0	27.5	24.3	120.3	239.6	162.6	23.4	4.0	79.7	11.4	29.6	12.9	735.3	641.0	94.3
	37	Oume	0.0	13.9	55.0	124.4	122.3	157.1	32.8	18.8	73.6	90.0	110.2	30.9	829.0	619.0	210.0
	39	Seguela	-	-	-	-	115.6	57.4	52.7	53.6	117.8	57.5	18.0	48.4	-	454.6	-
	45	Tiebisson	-	-	-	-	-	84.7	10.6	19.2	77.6	1.9	31.6	6.0	-	194.0	-
	48	Toumoukoro	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-
	49	Vavoua	0.0	12.0	15.5	118.6	121.0	54.1	48.5	17.8	172.6	92.6	36.3	53.0	742.0	625.2	116.8
	50	Yamoussoukro Ville	0.0	0.0	23.9	112.1	312.4	142.9	20.2	0.0	103.7	35.0	65.9	23.2	839.3	726.3	113.0
	51	Zouenoula	0.0	2.2	37.6	92.5	-	62.3	14.8	5.1	139.0	45.4	7.1	20.6	426.6	359.1	67.5
		Average	0.0	24.1	29.1	111.5	211.5	129.1	27.4	27.6	105.4	28.0	36.5	36.5	766.7	640.5	126.2
Sudanes Climatic Zone	12	Bondoukou	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-
	16	Bouna	0.0	0.0	0.0	50.3	121.7	117.2	93.8	84.8	229.4	0.0	17.5	6.9	721.6	646.9	74.7
	17	Boundiali	0.0	18.7	0.0	68.6	54.0	167.8	167.9	163.2	89.5	69.0	34.7	3.2	836.6	711.4	125.2
	18	Dabakala	0.0	0.0	0.0	143.5	35.0	21.7	35.7	8.8	31.7	0.0	2.8	52.2	331.4	132.9	198.5
	22	Ferkessedougou	0.0	26.8	3.9	76.0	52.8	138.6	124.0	236.0	189.3	2.8	20.6	10.6	881.4	743.5	137.9
	29	Korhogo Aero	0.0	41.8	3.2	48.7	98.0	205.4	144.6	103.9	154.3	2.1	29.3	4.3	835.6	708.3	127.3
	34	Minignan	0.0	0.6	0.0	125.7	82.0	163.0	200.1	316.2	217.6	35.8	0.0	0.0	1,141.0	1,014.7	126.3
	35	Odiénne	0.0	26.5	0.0	81.0	45.4	184.5	240.3	209.9	147.7	70.7	28.8	3.4	1,038.2	898.5	139.7
	36	Ouangolodougou	0.0	4.5	2.0	4.5	16.9	47.3	131.8	196.6	135.8	5.2	8.1	0.0	552.7	533.6	19.1
	43	Tengrela	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-
	Average	0.0	14.9	1.1	74.8	63.2	130.7	142.3	164.9	149.4	23.2	17.7	10.1	792.3	673.7	118.6	
Mountainous Climatic Zone	31	Man-Aero	0.0	64.4	33.5	121.2	102.5	125.5	74.5	187.2	404.5	117.9	17.3	1.5	1,250.0	1,166.8	83.2
	46	Touba	-	-	-	-	-	156.2	82.3	224.2	151.8	59.2	25.7	4.6	-	673.7	-
		Average	0.0	64.4	33.5	121.2	102.5	140.9	78.4	205.7	278.2	88.6	21.5	3.1	1,138.0	1,049.0	89.0

Note: "-" means data not Available

1.3 Probable Rainfall

Probable Exceed And Non-exceed Rainfall for the Four Climate Zones

Climatic Classification	Rain-Gauge Station		Probable Non-Exceed Rainfall (mm)					Probable Exceed Rainfall (mm)					
	No.	Name	2-year	5-year	10-year	20-year	50-year	100-year	2-year	5-year	10-year	50-year	100-year
Attie Climatic Zone	1	Abidjan Aero	1,594.3	1,329.4	1,214.6	1,135.2	1,063.8	1,026.6	1,591.4	1,885.5	2,060.7	2,409.3	2,546.1
	3	Aboisso	1,635.1	1,381.0	1,254.8	1,157.9	1,060.1	1,002.8	1,619.4	1,879.9	2,027.4	2,306.2	2,410.3
	4	Adiake	1,547.2	1,354.1	1,289.4	1,252.6	1,225.9	1,214.7	1,562.2	1,827.0	2,001.1	2,385.4	2,550.6
	5	Adzope	1,248.7	1,020.5	912.0	831.4	752.9	708.6	1,258.9	1,487.5	1,602.9	1,793.0	1,855.2
	8	Alepe	1,542.5	1,322.3	1,198.4	1,093.7	976.1	899.5	1,537.7	1,740.4	1,836.9	1,986.8	2,033.3
	9	Azagué	1,364.7	1,210.4	1,131.4	1,069.3	1,005.0	966.3	1,361.6	1,511.9	1,590.9	1,729.3	1,777.7
	21	Davo	1,250.5	1,061.7	972.5	906.7	843.0	807.4	1,244.9	1,442.3	1,554.5	1,767.3	1,847.1
	24	Gagno	1,340.3	1,180.3	1,105.3	1,050.2	997.3	967.9	1,344.5	1,507.3	1,594.1	1,748.7	1,803.5
	25	Grand-Lahou	1,321.1	1,078.9	988.6	932.8	888.6	868.3	1,318.1	1,620.8	1,824.4	2,284.1	2,486.1
	26	Grand Bereby	-	-	-	-	-	-	-	-	-	-	-
	27	Guiglo	1,614.8	1,428.1	1,336.3	1,266.4	1,196.4	1,155.9	1,604.6	1,795.6	1,904.1	2,110.0	2,187.6
	30	Lakota	1,158.3	1,016.4	957.8	918.7	884.9	868.0	1,163.5	1,324.4	1,418.8	1,603.8	1,675.8
	38	Sassandra	1,254.6	1,070.2	997.1	949.7	910.2	891.1	1,244.9	1,465.6	1,612.8	1,943.3	2,087.3
	40	Soubre	1,373.8	1,214.3	1,146.4	1,100.1	1,059.0	1,038.0	1,379.1	1,555.4	1,657.0	1,852.3	1,926.9
	41	Tabou	2,305.3	1,899.0	1,717.3	1,588.5	1,469.6	1,405.9	2,295.1	2,738.8	3,001.0	3,518.4	3,719.2
	42	Tai	2,063.7	1,741.9	1,633.0	1,570.4	1,524.6	1,505.3	2,056.8	2,492.0	2,806.0	3,569.1	3,924.8
	47	Toulepleu	1,633.7	1,351.0	1,184.2	1,037.8	866.5	750.3	1,619.1	1,883.0	2,006.6	2,192.2	2,247.6
	Average	1,515.5	1,291.2	1,189.9	1,116.3	1,045.2	1,004.8	1,512.6	1,759.8	1,906.2	2,200.0	2,317.4	
Baoule Climatic Zone	2	Abengourou-Ircc	1,245.9	1,072.7	1,014.0	980.3	955.5	945.0	1,259.1	1,493.4	1,646.9	1,983.9	2,128.4
	7	Agnibékro	1,125.7	929.0	830.2	753.7	675.6	629.4	1,125.2	1,319.4	1,419.2	1,586.8	1,642.9
	10	Bcoumi	1,098.6	904.7	793.0	696.8	586.6	513.4	1,124.8	1,269.7	1,316.0	1,358.6	1,365.6
	11	Bocanda	1,033.7	884.9	800.7	729.1	648.4	595.5	1,025.3	1,165.8	1,235.8	1,350.5	1,388.0
	13	Bongouanou	1,107.7	931.8	860.4	813.4	773.3	753.6	1,105.0	1,310.6	1,440.2	1,714.5	1,828.1
	14	Bouafle	1,144.9	957.8	877.0	821.4	771.5	745.7	1,144.6	1,352.7	1,475.8	1,719.1	1,813.8
	15	Bouake (Aero)	1,080.6	919.9	843.2	785.9	729.9	698.3	1,081.4	1,244.9	1,332.6	1,489.0	1,544.3
	19	Daoula Agricole	1,147.5	1,043.8	1,005.9	982.9	965.0	956.9	1,041.3	1,281.3	1,368.4	1,559.2	1,640.4
	20	Dimbokro	1,079.4	953.7	888.3	836.3	781.7	748.4	1,075.2	1,197.4	1,261.6	1,374.2	1,413.4
	28	Katiola	966.2	775.8	697.6	645.6	600.9	578.7	957.9	1,180.2	1,323.8	1,635.3	1,767.2
	32	Mankono	1,124.3	-	-	-	924.3	816.6	1,124.8	1,312.1	1,400.5	1,534.5	1,574.9
	33	M'bahiakro	942.1	803.4	752.1	720.6	695.9	684.6	927.5	1,116.3	1,234.7	1,503.5	1,621.8
	37	Oume	1,062.3	853.0	738.3	643.2	538.8	472.3	1,053.0	1,255.9	1,356.6	1,518.7	1,570.3
	39	Seguela	-	-	-	-	-	-	-	-	-	-	-
	45	Tiebissou	-	-	-	-	-	-	-	-	-	-	-
	48	Toumoukoro	1,165.6	1,064.1	1,012.4	971.8	930.0	905.0	1,162.5	1,261.9	1,315.2	1,410.8	1,445.1
	49	Yavoua	1,093.9	879.5	785.2	719.2	659.1	627.4	1,084.0	1,322.9	1,469.7	1,770.6	1,891.8
50	Yamoussoukro Ville	-	-	-	-	-	-	-	-	-	-	-	
51	Zouenoula	1,102.4	969.5	888.7	816.3	729.3	668.8	1,100.0	1,215.6	1,266.1	1,337.3	1,357.1	
	Average	1,095.0	929.6	852.5	794.4	747.9	708.7	1,087.0	1,268.8	1,366.4	1,552.9	1,624.6	
Sundanese Climatic Zone	12	Bondoukou	1,114.1	941.4	860.0	800.0	742.0	709.6	1,104.1	1,287.2	1,395.2	1,607.8	1,690.5
	16	Bouna	958.3	822.2	763.7	723.4	687.3	668.7	955.2	1,107.2	1,199.7	1,388.0	1,463.6
	17	Boundiali	1,293.0	1,105.4	1,011.9	940.0	867.1	824.4	1,298.9	1,479.9	1,569.7	1,716.1	1,763.8
	18	Dabakala	943.3	696.4	535.7	383.8	190.1	47.2	943.2	1,163.5	1,243.2	1,326.4	1,342.1
	22	Ferfessedougou	-	-	-	-	-	-	-	-	-	-	-
	29	Korhogo Aero	1,232.6	1,087.5	997.5	915.4	815.0	743.9	1,233.3	1,354.6	1,404.0	1,468.2	1,484.6
	34	Minignan	1,323.1	1,172.2	1,096.6	1,038.3	979.0	944.1	1,315.9	1,467.6	1,551.8	1,708.0	1,765.4
	35	Odienne	1,255.7	1,086.6	1,006.2	946.5	888.4	855.6	1,247.1	1,424.3	1,527.1	1,726.4	1,802.9
	36	Quangolodougou	1,033.0	843.0	727.4	623.7	498.9	412.1	1,034.1	1,199.6	1,403.2	1,348.2	1,367.8
	Average	1,144.1	969.3	874.9	796.4	708.5	650.7	1,141.5	1,310.5	1,411.7	1,536.1	1,585.1	
Mountainous Climatic Zone	31	Man-Aero	1,615.4	1,422.4	1,322.8	1,244.1	1,161.9	1,112.3	1,608.9	1,797.6	1,897.4	2,073.6	2,135.5
	46	Touba	1,302.0	1,132.8	1,037.5	957.0	866.3	807.3	1,297.1	1,452.9	1,528.3	1,647.9	1,685.9
		Average	1,458.7	1,277.6	1,180.2	1,100.5	1,014.1	959.8	1,453.0	1,625.3	1,712.9	1,860.8	1,910.7

Note: "-" means rainfall data numbers are not enough to be analyzed.

Monthly Discharge at the Control Points in 1983

(Unit: m³/s)

River Basin	River Name	Control Point		Catchment Area (km ²)	Month												Annual Average
		Number	Name		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1. Sassandra and Surrounding River Basins																	
Sassandra	Sassandra	I-C5	Dabala	16,600	24.6	19.3	-	11.5	19.5	45.2	66.0	181.0	249.0	89.0	37.8	17.8	69.2
		I-C4	Pieby	32,600	41.9	30.5	15.0	18.7	42.6	67.0	85.2	223.0	420.0	178.0	77.5	36.1	103.0
		I-C3	Buyo Dam *	42,250	74.1	51.6	0.0	0.0	88.2	176.7	110.0	302.2	716.5	279.7	253.8	94.9	179.3
		I-C2	Soubre	57,670	432.0	465.0	448.0	310.0	107.0	132.0	185.0	147.0	307.0	405.0	398.0	169.0	292.1
		I-C1	Gaoulou Pont	70,550	467.0	480.0	474.0	356.0	193.0	382.0	304.0	231.0	386.0	456.0	466.0	271.0	372.2
	Tiemba	I-C10	Dioulatiedougou	2,790	1.9	1.0	0.2	0.0	0.0	1.4	1.3	12.6	31.5	7.4	2.8	0.9	5.1
	N'zo	I-C8	Khin	4,310	1.9	0.9	0.5	0.7	2.5	15.2	10.6	50.7	164.0	91.3	24.8	10.2	31.1
	Bafing	I-C9	Badala (Bafingdala)	5,930	11.2	9.0	3.1	9.3	15.1	25.1	22.0	48.5	108.0	57.7	28.6	12.0	29.1
	Davo	I-C6	Dakpadou	6,625	0.1	0.0	0.5	2.6	24.0	88.5	44.2	5.9	5.2	6.5	7.5	12.4	16.5
	Lobo	I-C7	Loboville	17,838	-	-	-	-	-	-	-	-	-	-	-	-	-
Cavally	Cavally	IV-C2	Toulepleu (Saihibli)	4,670	5.9	3.5	2.2	3.8	7.9	23.9	28.8	71.1	143.0	140.0	36.0	17.0	40.3
		IV-C1	Tate	28,800	89.7	81.3	92.1	92.5	175.0	383.0	142.0	124.0	439.0	423.0	187.0	190.0	201.6
San Pedro	Dodo	XI-C3	Weoulo (Ouaoulo)	640	1.3	0.6	2.0	1.4	17.2	19.6	6.4	7.3	6.4	5.6	2.7	8.2	6.6
	Tabou		Yaka	810	4.4	2.1	9.3	7.3	40.6	25.3	12.9	9.8	11.9	12.4	8.7	19.0	13.6
	Nero	XI-C2	Rte Grand Bereby	1,210	1.1	0.5	3.4	1.8	28.0	31.1	8.2	8.2	5.9	5.5	4.1	13.1	9.2
	San Pedro	XI-C1	San Pedro	3,300	24.6	32.5	9.7	12.5	32.4	70.5	18.0	21.9	26.9	19.7	23.5	20.4	26.0
Bani-Niger	Kouroukelle	VI-C5	Iradougou	1,990	4.0	2.5	0.8	0.3	0.8	2.4	7.2	44.6	42.6	19.4	6.9	2.9	11.2
	Baoule	VI-C4	Djirila	3,970	-	1.5	0.5	0.2	0.2	0.4	1.9	41.8	84.6	31.6	10.7	3.2	16.1
	Kankelaba	VI-C3	Debete	5,550	0.7	0.4	0.1	0.0	0.2	0.1	1.1	30.0	54.7	21.6	3.9	0.9	9.5
	Bagoc	VI-C2	Kouto Aval	4,740	2.1	0.9	0.4	0.2	0.2	0.3	0.3	15.9	47.2	10.2	2.5	0.8	6.8
		VI-C1	Papara	8,950	3.6	1.5	0.5	0.4	0.5	0.6	1.6	19.0	59.6	19.3	4.8	1.6	9.4
2. Bandama and Surrounding River Basins																	
Bandama	Bandama (White Bandama)	II-C7	Tawara Amont	5,375	-	-	-	-	-	-	-	-	-	-	-	-	-
		II-C8	Toritaya Amont	14,500	1.5	1.7	2.0	-	-	-	-	5.5	24.7	6.3	1.1	0.5	5.4
		II-C6	Bada	24,050	1.3	0.6	0.9	1.4	3.3	3.5	6.9	9.7	26.9	16.1	1.6	1.0	6.1
		II-C4	Kossou Dam *	32,400	0.0	18.1	20.4	23.8	46.9	9.4	5.0	6.4	36.0	14.9	4.6	7.0	16.2
		II-C3	Taabo Dam *	57,800	62.5	76.8	70.8	100.9	81.8	73.0	26.2	2.7	9.6	12.7	4.1	0.0	43.7
		II-C2	Tiassale	99,150	75.4	92.6	92.0	113.0	113.0	133.0	97.9	19.3	15.2	13.4	49.0	30.2	70.3
	Bou	II-C16	Rte Boron-Kadyoha	3,710	0.4	0.6	0.8	0.2	0.3	0.4	1.1	2.8	5.1	1.5	0.3	0.2	1.1
	Marahouc	II-C14	Mankono	6,700	0.2	0.0	0.0	0.0	0.7	0.1	0.0	0.7	10.7	2.6	0.3	0.0	1.3
	(Red Bandama)	II-C13	Zuonoula	17,314	0.2	0.1	0.0	0.0	1.8	0.7	0.2	0.3	21.1	8.1	0.6	0.2	2.8
		II-C12	Bouafle	19,800	1.3	0.1	0.0	0.0	1.1	3.5	1.0	0.2	12.2	12.1	2.8	0.5	2.9
	Banoroni (Yani)	II-C15	Kouroukoro	4,860	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.7	9.9	2.6	0.4	0.0	1.2
	N'zi	II-C11	Rte Katiola-Dabakala	6,620	0.0	0.0	0.0	0.0	0.7	0.2	0.1	0.2	0.3	0.4	0.1	0.0	0.2
		II-C10	M'Bahokro	15,700	0.1	0.0	0.0	0.2	3.8	5.3	1.0	0.1	0.4	0.5	0.1	0.0	1.0
II-C5		Dimbokro	24,100	0.2	0.0	0.0	0.1	3.7	19.8	2.7	0.3	0.1	0.0	0.1	0.0	2.2	
Boubo	Boubo	II-C9	Zienoa (N'zianoa)	35,000	0.7	0.1	0.0	0.0	2.8	51.8	12.6	1.1	0.2	0.3	0.0	0.1	5.8
		X-C1, X	Grand-Lahou (Babokon)	3,411	0.4	0.2	0.1	0.6	1.5	32.6	16.4	2.2	0.7	1.0	0.6	3.5	5.0
	Njounourou	X-C3	Dahiri	1,791	0.4	0.1	0.2	1.5	8.3	45.1	6.6	1.7	1.4	2.2	3.6	9.9	6.8
3. Comoe and Surrounding River Basins																	
Comoe	Comoe	III-C6	Kafalo	21,200	0.8	0.1	0.0	0.0	1.5	2.1	11.4	36.2	50.4	13.0	2.6	1.8	10.0
		III-C4	Ganse	43,700	1.3	0.4	0.1	6.7	8.4	6.1	34.7	49.9	74.2	25.0	3.6	1.1	17.6
		III-C3	Akakomoe Kro	57,000	0.6	0.0	0.0	2.7	8.9	9.7	29.5	45.1	62.4	32.8	4.0	1.8	16.5
		III-C2	Abradinau	74,350	1.5	0.1	0.0	1.2	7.3	53.8	31.8	42.3	58.3	50.3	7.1	3.1	21.4
	Ba	III-C6	N'dakro	6,222	-	-	-	-	0.5	4.3	2.5	0.1	0.0	0.0	0.0	0.0	0.9
Agneby	Agneby	IX-C5	Agboville	4,600	0.1	0.0	0.0	0.2	0.7	9.5	10.4	0.0	0.0	0.1	0.6	1.5	1.9
	Me	IX-C3	Lobo Akoudzin	1,274	-	-	-	-	2.8	17.9	2.9	0.4	0.8	0.9	0.1	0.1	3.2
Bia	Bia	VII-C4	Bianouan Aval	6,800	0.4	0.2	-	1.8	12.4	74.9	32.3	1.4	5.8	8.2	0.7	0.4	12.6
		VII-C3	Ayame-2 Dam *	9,330	21.0	21.4	28.9	18.7	3.9	11.1	47.6	14.9	21.4	35.2	71.3	21.6	26.6
Volta-Noire	Kofodio	VII-C1	Kofodou	2,100	-	-	-	-	-	-	-	-	-	-	-	-	
	Volta-Noire	VII-C2	Vonkoro	111,500	9.4	6.6	4.4	3.4	17.8	37.3	72.9	152.0	164.0	45.5	9.9	2.8	0.2

Note: ** means data not available. *** means source from CIE, Ministry of Energy. Others source from Department of Hydrology, Ministry of Economic Infrastructure

Monthly Specific Discharge at the Control Points in 1983

(Unit: m³/s/100km²)

River Basin	River Name	Control Point		Catchment Area (km ²)	Month												Annual Average
		Number	Name		Jan.	Feb.	Mar.	Apr.	Mar.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1. Sassandra and Surrounding River Basins																	
Sassandra	Sassandra	I-C5	Dabala	16,600	0.15	0.12	-	0.07	0.12	0.27	0.40	1.09	1.50	0.54	0.23	0.11	0.42
		I-C4	Pieby	32,600	0.13	0.09	0.05	0.06	0.13	0.21	0.26	0.68	1.29	0.55	0.24	0.11	0.32
		I-C3	Buyo Dam *	42,250	0.18	0.12	0.00	0.00	0.21	0.42	0.26	0.72	1.70	0.66	0.60	0.22	0.42
		I-C2	Soubre	57,670	0.75	0.81	0.78	0.54	0.19	0.23	0.32	0.25	0.53	0.70	0.69	0.29	0.51
		I-C1	Gaoulou Pont	70,550	0.66	0.68	0.67	0.50	0.27	0.54	0.43	0.33	0.55	0.65	0.66	0.38	0.53
	Tiamba	I-C10	Dioulatiedougou	2,790	0.07	0.03	0.01	0.00	0.00	0.05	0.05	0.45	1.13	0.27	0.10	0.03	0.18
	Nzo	I-C8	Khin	4,310	0.04	0.02	0.01	0.02	0.06	0.35	0.25	1.18	3.81	2.12	0.58	0.24	0.72
	Bafing	I-C9	Badala (Bafingdala)	5,930	0.19	0.15	0.05	0.16	0.25	0.42	0.37	0.82	1.82	0.97	0.48	0.20	0.49
	Davo	I-C6	Dakpadou	6,625	0.00	0.00	0.01	0.04	0.36	1.34	0.67	0.09	0.08	0.10	0.11	0.19	0.25
Lobo	I-C7	Loboville	17,838	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cavally	Cavally	IV-C2	Toulepleu (Saibibli)	4,670	0.13	0.08	0.05	0.08	0.17	0.51	0.62	1.52	3.06	3.00	0.77	0.36	0.86
		IV-C1	Tate	28,800	0.31	0.28	0.32	0.32	0.61	1.33	0.49	0.43	1.52	1.47	0.65	0.66	0.70
San Pedro	Dodo	XI-C3	Weoulo (Ouaoulo)	640	0.20	0.09	0.31	0.22	2.69	3.06	1.01	1.14	1.00	0.87	0.42	1.28	1.02
	Tabou		Yaka	810	0.54	0.26	1.14	0.90	5.01	3.12	1.59	1.21	1.47	1.53	1.07	2.35	1.68
	Nero	XI-C2	Rte Grand Bereby	1,210	0.09	0.04	0.28	0.15	2.31	2.57	0.68	0.68	0.49	0.46	0.34	1.08	0.76
	San Pedro	XI-C1	San Pedro	3,300	0.75	0.98	0.29	0.38	0.98	2.14	0.55	0.66	0.82	0.60	0.71	0.62	0.79
Bani-Niger	Kouroukelle	VI-C5	Iradougou	1,990	0.20	0.12	0.04	0.01	0.04	0.12	0.36	2.24	2.14	0.97	0.35	0.15	0.56
	Baoule	VI-C4	Djirila	3,970	-	0.04	0.01	0.01	0.01	0.01	0.05	1.05	2.13	0.80	0.27	0.08	0.41
	Kankelaba	VI-C3	Debete	5,550	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.54	0.99	0.39	0.07	0.02	0.17
	Bagoe	VI-C2	Kouto Aval	4,740	0.04	0.02	0.01	0.00	0.01	0.01	0.01	0.34	1.00	0.22	0.05	0.02	0.14
		VI-C1	Papara	8,950	0.04	0.02	0.01	0.00	0.01	0.01	0.01	0.02	0.21	0.67	0.22	0.05	0.02
2. Bandama and Surrounding River Basins																	
Bandama	Bandama (White Bandama)	II-C7	Tawara Amont	5,375	-	-	-	-	-	-	-	-	-	-	-	-	-
		II-C8	Toritaya Amont	14,500	0.01	0.01	0.01	-	-	-	-	0.04	0.17	0.04	0.01	0.00	0.04
		II-C6	Bada	24,050	0.01	0.00	0.00	0.01	0.01	0.01	0.03	0.04	0.11	0.07	0.01	0.00	0.03
		II-C4	Koussou Dam *	32,400	0.00	0.06	0.06	0.07	0.14	0.03	0.02	0.02	0.11	0.05	0.01	0.02	0.05
		II-C3	Taabo Dam *	57,800	0.11	0.13	0.12	0.17	0.14	0.13	0.05	0.00	0.02	0.02	0.01	0.00	0.08
		II-C2	Tiassale	99,150	0.08	0.09	0.09	0.11	0.11	0.13	0.10	0.02	0.02	0.01	0.05	0.03	0.07
	Bou	II-C16	Rte Boron-Kadyoha	3,710	0.01	0.02	0.02	0.00	0.01	0.01	0.03	0.08	0.14	0.04	0.01	0.01	0.03
	Marahouc (Red Bandama)	II-C14	Mankono	6,700	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.16	0.04	0.00	0.00	0.02
		II-C13	Zuenoula	17,314	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.12	0.05	0.00	0.00	0.02
		II-C12	Bouaffe	19,800	0.01	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.06	0.06	0.01	0.00	0.02
	Banoroni (Yani)	II-C15	Kouroukoro	4,860	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.20	0.05	0.01	0.00	0.02
	N'zi	II-C11	Rte Katiola-Dabakala	6,620	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
		II-C10	M'Babiakro	15,700	0.00	0.00	0.00	0.00	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01
II-C5		Dimbokro	24,100	0.00	0.00	0.00	0.00	0.02	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.01	
	II-C9	Zienoa (N'zianoa)	35,000	0.00	0.00	0.00	0.00	0.01	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.02	
Boubo	Boubo	X-C1, X-C2	Grand-Lahou (Babokon)	3,411	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Njouniourou	X-C3	Dahiri	1,791	0.02	0.00	0.01	0.08	0.46	2.52	0.37	0.10	0.08	0.12	0.20	0.55	0.38
3. Comoec and Surrounding River Basins																	
Comoec	Comoec	III-C6	Kafolo	21,200	0.00	0.00	0.00	0.00	0.01	0.01	0.05	0.17	0.24	0.06	0.01	0.01	0.05
		III-C4	Ganse	43,700	0.00	0.00	0.00	0.02	0.02	0.01	0.08	0.11	0.17	0.06	0.01	0.00	0.04
		III-C3	Akakomoevro	57,000	0.00	0.00	0.00	0.00	0.02	0.02	0.05	0.08	0.11	0.06	0.01	0.00	0.03
		III-C2	Abtradinou	74,350	0.00	0.00	0.00	0.00	0.01	0.07	0.04	0.06	0.08	0.07	0.01	0.00	0.03
	Ba	III-C6	N'dakro	6,222	-	-	-	-	0.01	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.02
Agneby	Agneby	IX-C5	Agboville	4,600	0.00	0.00	0.00	0.00	0.02	0.21	0.23	0.00	0.00	0.00	0.01	0.03	0.04
	Mc	IX-C3	Lobo Akoudzin	1,274	-	-	-	-	0.22	1.41	0.22	0.03	0.06	0.07	0.01	0.01	0.25
Bia	Bia	VII-C4	Bianouan Aval	6,800	0.01	0.00	-	0.03	0.18	1.10	0.48	0.02	0.08	0.12	0.01	0.01	0.19
		VII-C3	Ayame-2 Dam *	9,330	0.23	0.23	-	0.20	0.04	0.12	0.51	0.16	0.23	0.38	0.76	0.23	0.28
Volta-Noire	Kolodio	VII-C1	Kontodon	2,100	-	-	-	-	-	-	-	-	-	-	-	-	
	Volta-Noire	VII-C2	Vonkoro	111,500	0.01	0.01	0.00	0.00	0.02	0.03	0.07	0.14	0.15	0.04	0.01	0.00	0.24

Note: "-" means data not available. "*" means source from CIE, Ministry of Energy. Others source from Department of Hydrology, Ministry of Economic Infrastructure

Long-term Monthly Specific Discharge at the Control Points

(Unit: m³/s/100km²)

River Basin	River Name	Control Point		Catchment Area (km ²)	Month												Annual Average
		Number	Name		Jan.	Feb.	Mar.	Apr.	Mar.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1. Sassandra and Surrounding River Basins																	
Sassandra	Sassandra	I-C5	Dabala	16,600	0.50	0.47	0.55	0.52	0.53	0.70	0.92	1.80	2.43	2.21	1.05	0.63	1.03
		I-C4	Pieby	32,600	0.08	0.05	0.05	0.08	0.15	0.24	0.53	1.47	2.02	1.15	0.47	0.19	0.54
		I-C3	Buyo Dam *	42,250	0.13	0.11	0.06	0.08	0.15	0.32	0.67	1.57	2.55	1.70	0.65	0.29	0.69
		I-C2	Soubre	57,670	0.43	0.43	0.43	0.42	0.39	0.38	0.35	0.42	0.57	0.78	0.58	0.47	0.47
		I-C1	Gaoulou Pont	70,550	0.47	0.48	0.48	0.48	0.47	0.54	0.43	0.47	0.62	0.96	0.70	0.53	0.55
	Tiemba	I-C10	Dioulatiedougou	2,790	0.04	0.01	0.01	0.00	0.01	0.03	0.32	1.62	2.59	1.38	0.52	0.14	0.56
	N'zo	I-C8	Khin	4,310	0.11	0.05	0.10	0.15	0.26	0.48	1.23	3.00	4.69	2.87	1.03	0.43	1.20
	Bafing	I-C9	Badala (Bafingdala)	5,930	0.16	0.10	0.14	0.22	0.33	0.56	0.90	1.83	2.60	1.80	0.89	0.37	0.83
	Davo	I-C6	Dakpadou	6,625	0.05	0.03	0.07	0.17	0.37	0.79	0.60	0.40	0.58	0.82	0.50	0.20	0.38
Lobo	I-C7	Loboville	17,838	0.06	0.05	0.07	0.11	0.17	0.15	0.20	0.18	0.44	0.53	0.24	0.11	0.19	
Cavally	Cavally	IV-C2	Toulepleu (Saihibli)	4,670	0.25	0.15	0.15	0.21	0.43	0.81	1.74	2.90	4.41	3.84	1.54	0.62	1.42
		IV-C1	Tate	28,800	0.41	0.34	0.48	0.60	1.15	1.98	1.72	2.35	4.12	3.92	1.97	0.89	1.66
San Pedro	Dodo	XI-C3	Weoulo (Ouaoulo)	640	0.50	0.48	0.69	0.58	1.55	3.39	1.86	1.63	2.48	2.27	1.58	0.91	1.49
	Tabou		Yaka	810	1.26	1.11	1.26	1.33	2.81	5.10	3.47	2.96	4.17	5.05	3.35	2.14	2.83
	Nero	XI-C2	Rte Grand Bereby	1,210	0.28	0.35	0.53	0.64	1.46	3.07	1.92	1.29	1.83	2.08	1.40	0.78	1.30
	San Pedro	XI-C1	San Pedro	3,300	0.36	0.53	0.48	0.59	1.05	2.57	1.65	0.86	1.16	1.61	1.29	0.60	1.06
Bani-Niger	Kouroukelle	VI-C5	Iradougou	1,990	0.11	0.05	0.02	0.02	0.03	0.04	0.39	1.88	2.94	1.65	0.71	0.24	0.67
		VI-C4	Baoule	3,970	0.04	0.02	0.01	0.00	0.01	0.01	0.15	1.11	2.15	1.49	0.61	0.13	0.48
	Kankelaba	VI-C3	Debete	5,550	0.02	0.01	0.00	0.00	0.02	0.02	0.17	1.21	2.43	0.81	0.26	0.05	0.42
		VI-C2	Kouto Aval	4,740	0.04	0.02	0.01	0.03	0.02	0.02	0.18	1.44	2.80	1.45	0.52	0.11	0.55
	Bagoe	VI-C1	Papara	8,950	0.05	0.02	0.01	0.01	0.01	0.04	0.15	1.06	2.14	1.52	0.50	0.14	0.47
2. Bandama and Surrounding River Basins																	
Bandama	Bandama (White Bandama)	II-C7	Tawara Amont	5,375	0.01	0.00	0.00	0.00	0.01	0.02	0.18	0.69	1.30	0.55	0.13	0.02	0.24
		II-C8	Toritaya Amont	14,500	0.01	0.01	0.01	0.02	0.04	0.05	0.16	0.81	1.46	0.66	0.15	0.03	0.28
		II-C6	Bada	24,050	0.01	0.00	0.00	0.01	0.03	0.04	0.13	0.61	1.18	0.61	0.20	0.04	0.24
		II-C4	Kossou Dam *	32,400	0.03	0.05	0.07	0.09	0.08	0.12	0.19	0.63	1.22	0.68	0.17	0.03	0.28
		II-C3	Taabo Dam *	57,800	0.24	0.25	0.26	0.28	0.25	0.24	0.25	0.37	0.79	0.57	0.33	0.22	0.34
		II-C2	Tiassale	99,150	0.15	0.15	0.15	0.17	0.21	0.24	0.27	0.30	0.61	0.66	0.30	0.16	0.28
	Bou	II-C16	Rte Boron-Kadyoha	3,710	0.01	0.01	0.01	0.01	0.02	0.04	0.19	0.70	1.02	0.52	0.16	0.04	0.23
	Marahouc (Red Bandama)	II-C14	Mankono	6,700	0.01	0.00	0.00	0.00	0.01	0.01	0.13	0.71	1.18	0.75	0.23	0.03	0.26
		II-C13	Zuenoula	17,314	0.00	0.00	0.00	0.01	0.02	0.03	0.15	0.61	0.99	0.74	0.23	0.04	0.24
		II-C12	Bouafile	19,800	0.01	0.01	0.01	0.01	0.03	0.04	0.13	0.48	1.21	0.77	0.23	0.04	0.25
	Banoroni (Yani)	II-C15	Kouroukoro	4,860	0.01	0.00	0.01	0.01	0.02	0.04	0.15	0.80	1.11	0.72	0.23	0.04	0.26
	N'zi	II-C11	Rte Katiola-Dabakala	6,620	0.00	0.00	0.00	0.01	0.03	0.05	0.10	0.40	0.75	0.55	0.18	0.02	0.17
		II-C10	M'Babiakro	15,700	0.00	0.00	0.00	0.01	0.03	0.04	0.14	0.29	0.77	0.65	0.18	0.02	0.18
		II-C5	Dimbokro	24,100	0.01	0.00	0.00	0.01	0.03	0.06	0.12	0.22	0.50	0.66	0.15	0.03	0.15
Boubo	Boubo	X-C1, X-C2	Grand-Lahou (Babokou)	3,411	0.02	0.01	0.04	0.09	0.28	0.72	0.67	0.39	0.42	0.63	0.32	0.11	0.31
		Niouniourou	X-C3	Dahiri	1,791	0.08	0.03	0.12	0.26	0.50	1.81	1.22	0.56	0.69	1.15	0.73	0.26
3. Comoe and Surrounding River Basins																	
Comoc	Comoc	III-C6	Kafolo	21,200	0.01	0.00	0.00	0.00	0.02	0.05	0.17	0.81	1.39	0.64	0.10	0.02	0.27
		III-C4	Ganse	43,700	0.00	0.00	0.00	0.01	0.02	0.04	0.14	0.59	1.19	0.70	0.14	0.02	0.24
		III-C3	Akakomoekro	57,000	0.01	0.00	0.00	0.00	0.02	0.04	0.12	0.36	0.96	0.58	0.14	0.02	0.19
		III-C2	Abrafinou	74,350	0.01	0.00	0.00	0.01	0.03	0.07	0.12	0.27	0.54	0.53	0.14	0.03	0.15
	Ba	III-C6	N'dakro	6,222	0.01	0.00	0.00	0.02	0.06	0.09	0.16	0.09	0.18	0.36	0.10	0.02	0.09
Agneby	Agneby	IX-C5	Agbeville	4,600	0.00	0.00	0.01	0.02	0.08	0.23	0.31	0.07	0.12	0.28	0.12	0.01	0.10
	Me	IX-C3	Lobe Akoudzin	1,274	0.03	0.02	0.03	0.11	0.52	2.32	1.65	0.37	0.55	1.28	0.50	0.14	0.63
Bia	Bia	VII-C4	Bianouan Aval	6,800	0.02	0.01	0.06	0.09	0.27	0.66	0.65	0.32	0.36	0.58	0.26	0.06	0.28
		VII-C3	Ayame-2 Dam *	9,330	0.49	0.39	0.35	0.36	0.46	0.48	0.51	0.42	0.28	0.47	0.63	0.53	0.45
Volta-Noire	Kolodio	VII-C1	Kontodou	2,100	-	-	-	-	-	-	-	-	-	-	-	-	
	Volta-Noire	VII-C2	Vonkoro	111,500	0.01	0.01	0.00	0.00	0.01	0.05	0.10	0.26	0.42	0.19	0.08	0.02	0.10

Note: ** means data not available. *** means source from CIE, Ministry of Energy. Others source from Department of Hydrology, Ministry of

Long-term Monthly Discharge at the Control Points

(Unit: m³/s)

River Basin	River Name	Control Point		Catchment Area (km ²)	Month												Annual Average	Period Available	
		Number	Name		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.			
1. Sassandra and Surrounding River Basins																			
Sassandra	Sassandra	I-C5	Dabala	16,600	82.6	78.6	91.2	86.6	88.4	116.1	153.4	299.5	403.0	366.3	173.7	104.7	169.7		
		I-C4	Piebly	32,600	26.3	16.4	16.1	27.2	49.1	77.9	173.9	480.4	658.6	374.0	154.0	61.2	174.2		
		I-C3	Buyo Dam *	42,250	55.9	44.8	24.5	32.9	61.6	136.6	283.9	663.9	1,077.6	719.8	272.7	124.3	295.9		
		I-C2	Soubre	57,670	246.5	247.1	246.7	242.2	223.7	218.1	200.5	243.2	326.6	452.7	337.0	271.8	257.0	'80-'96	
		I-C1	Gaoulou Pont	70,550	328.5	338.7	338.8	337.2	329.9	382.1	303.7	332.2	436.6	675.3	494.2	370.7	381.7	'80-'89, '91-'96	
	Tiemba	I-C10	Dioulatiedougou	2,790	1.1	0.4	0.2	0.1	0.2	0.8	8.8	45.2	72.3	38.4	14.6	3.9	15.5		
	Nzo	I-C8	Khin	4,310	4.6	2.2	4.5	6.3	11.4	20.7	53.2	129.2	202.1	123.9	44.6	18.6	48.6		
	Bafing	I-C9	Badala (Bafingdala)	5,930	9.3	6.1	8.1	12.8	19.7	33.3	53.6	108.4	154.3	106.8	52.9	22.2	48.5		
	Davo	I-C6	Dakpadou	6,625	3.5	1.8	4.5	11.0	24.4	52.2	39.7	26.2	38.5	54.2	33.2	13.4	24.6		
	Lobo	I-C7	Loboville	17,838	10.0	9.3	12.3	19.2	30.6	27.4	34.8	32.5	77.8	94.8	43.6	19.6	36.0		
Cavally	Cavally	IV-C2	Toulepleu (Sahibid)	4,670	11.5	6.8	7.2	9.6	20.2	38.0	81.4	135.5	205.9	179.1	71.7	29.0	67.7		
		IV-C1	Tate	28,800	117.1	99.1	137.4	172.2	331.8	570.9	495.9	676.9	1,186.9	1,129.1	566.3	256.3	464.0		
San Pedro	Dodo	XI-C3	Weoulo (Ouaoulo)	640	3.2	3.1	4.4	3.7	9.9	21.7	11.9	10.4	15.9	14.5	10.1	5.8	9.6		
	Tabou		Yaka	810	10.2	9.0	10.2	10.8	22.8	41.3	28.1	24.0	33.8	40.9	27.1	17.3	22.7		
	Nero	XI-C2	Rte Grand Bereby	1,210	3.4	4.2	6.4	7.8	17.7	37.2	23.2	15.6	22.2	25.2	16.9	9.4	15.1		
	San Pedro	XI-C1	San Pedro	3,300	11.9	17.5	16.0	19.5	34.7	84.8	54.5	28.4	38.3	53.2	42.7	19.7	32.5		
Bani-Niger	Kouroukelle	VI-C5	Iradougou	1,990	2.1	1.0	0.4	0.3	0.6	0.8	7.8	37.4	58.6	32.9	14.2	4.8	14.2		
	Baoule	VI-C4	Djirila	3,970	1.4	0.6	0.3	0.1	0.3	0.5	6.0	44.2	85.4	59.0	24.3	5.2	20.5		
	Kankelaba	VI-C3	Debete	5,550	0.9	0.3	0.1	0.1	1.1	1.0	9.3	67.2	135.1	44.8	14.2	2.8	21.3		
	Bagee	VI-C2	Kouto Aval	4,740	2.1	1.0	0.6	1.2	0.8	0.9	8.4	68.4	132.8	68.9	24.7	5.3	26.8		
		VI-C1	Papara	8,950	4.4	2.0	0.9	0.7	1.0	3.4	13.1	95.3	191.2	136.2	45.1	12.4	46.1		
2. Bandama and Surrounding River Basins																			
Bandama	Bandama (White Bandama)	II-C7	Tawara Amont	5,375	0.4	0.1	0.0	0.1	0.3	1.3	9.5	36.9	69.8	29.5	7.2	1.1	14.8		
		II-C8	Toritaya Amont	14,500	1.9	1.0	1.6	2.8	5.3	7.4	23.8	117.5	211.3	96.2	21.1	3.9	40.8		
		II-C6	Bada	24,050	3.5	1.0	0.8	2.4	6.5	10.5	31.5	146.3	283.9	146.9	48.9	10.2	57.1		
		II-C4	Kossou Dam *	32,400	8.2	15.0	23.8	28.1	26.8	37.4	60.4	203.5	395.0	220.4	54.9	10.0	90.8		
		II-C3	Taabo Dam *	57,800	69.0	73.2	75.4	80.2	70.6	69.9	72.6	106.0	226.5	164.1	95.0	63.5	98.2		
		II-C2	Tlassale	99,150	94.0	95.5	94.0	106.5	128.8	149.3	165.0	183.1	377.7	410.4	185.8	99.0	166.6		
	Bou	II-C16	Rte Boron-Kadyoha	3,710	0.5	0.2	0.4	0.3	0.6	1.3	7.0	26.0	38.0	19.2	5.9	1.6	10.1		
	Marahoue (Red Bandama)	II-C14	Mankono	6,700	0.4	0.1	0.1	0.2	0.6	1.0	8.8	47.8	78.9	50.1	15.5	1.9	18.7		
		II-C13	Zuonoula	17,314	0.7	0.4	0.7	1.4	3.2	5.9	25.5	106.0	172.0	128.6	40.3	6.4	39.1		
			II-C12	Bouafle	19,800	2.2	1.0	1.5	2.9	5.3	8.5	25.0	95.3	240.1	152.9	44.6	8.0	47.4	
	Banoroni (Yani)	II-C15	Kouroukoro	4,860	0.4	0.2	0.3	0.3	1.2	1.9	7.2	38.7	54.0	34.9	11.0	1.8	9.8		
	N'zi	II-C11	Rte Katiola-Dabakala	6,620	0.1	0.0	0.0	0.6	2.0	3.0	6.5	26.3	49.7	36.4	11.8	1.0	10.8		
		II-C10	M'Bahakro	15,700	0.5	0.1	0.4	1.7	5.2	6.6	21.2	46.2	120.6	101.6	28.1	3.8	26.0		
II-C5		Dimbokro	24,100	1.6	0.5	0.6	2.1	7.6	14.1	27.8	52.0	119.9	158.9	37.1	7.8	40.4			
	II-C9	Zienoa (N'zianoa)	35,000	2.0	0.4	0.4	2.6	13.6	33.1	58.2	64.7	142.7	200.2	60.4	11.2	48.1			
Boubo	Boubo	X-C1, X-C2	Grand-Lahou (Babokon)	3,411	0.7	0.5	1.4	3.0	9.6	24.7	22.9	13.4	14.2	21.4	11.0	3.6	11.2		
	Niouniourou	X-C3	Dahiri	1,791	1.4	0.6	2.1	4.7	9.0	32.4	21.9	10.1	12.3	20.6	13.1	4.7	11.3		
3. Comoé and Surrounding River Basins																			
Comoé	Comoé	III-C6	Kafolo	21,200	1.2	0.3	0.2	0.4	3.4	10.6	35.6	172.5	295.3	136.4	21.0	3.9	59.0		
		III-C4	Ganse	43,700	1.6	0.6	0.9	2.9	7.4	18.2	61.9	257.0	522.2	306.5	59.4	7.1	103.2		
		III-C3	Akakomoekro	57,000	3.4	0.9	1.3	1.9	10.8	22.1	67.2	206.3	547.6	333.4	77.5	14.0	82.7		
		III-C2	Abradinou	74,350	7.0	3.2	3.3	8.7	23.9	50.7	92.4	198.2	402.7	392.3	106.9	22.7	110.7		
	Ba	III-C6	N'dakro	6,222	0.5	0.1	0.2	1.4	4.0	5.4	9.9	5.7	10.9	22.4	6.0	1.2	5.5		
Agneby	Agneby	IX-C5	Agboville	4,600	0.1	0.1	0.3	0.8	3.5	10.6	14.3	3.2	5.6	13.1	5.4	0.6	4.5		
	Me	IX-C3	Lobo Akoudzin	1,274	0.4	0.2	0.4	1.4	6.6	29.5	21.0	4.7	7.0	16.3	6.4	1.8	9.3		
Bia	Bia	VII-C4	Bianouan Aval	6,800	1.1	0.7	3.9	6.2	18.5	45.1	44.3	21.7	24.4	39.5	18.0	4.2	23.3		
		VII-C3	Ayame-2 Dam *	9,330	46.0	36.4	32.6	33.7	43.0	44.7	47.5	39.1	26.5	43.5	58.6	49.4	41.9		
Volta-Noire	Kolodio	VII-C1	Kontodou	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Volta-Noire	VII-C2	Vonkoro	111,500	9.0	5.6	3.8	3.9	15.3	50.2	112.3	289.6	465.1	208.8	85.6	24.4	99.9		

Note: * means data not available. *** means source from CIE, Ministry of Energy. Others source from Department of Hydrology, Ministry of Economic Infrastructure

Comparison Between The Estimated Probable Draught Discharges and Annual Discharges in AD 1983

Return Period (Years)	Cavally River Basin		Sassandra River Basin		Bandama River Basin		Comoe River Basin		Bani-Niger River Basin						
	The Cavally River	TAI	The Sassandra River	GAOULOU PONT	The Bandama River	BADA	TIASSALE	The Comoe River	KAFOLO	ABRADINOU	The Kouroukelle River	IRADOUGOU	The Kankelaba River	DEBETE	The Bagoe River
	2,470 km ² , 326 m	13,750 km ² , 149 m	5,930 km ² , 410 m	70,550 km ² , 10 m	24,050 km ² , 135 m	61,850 km ² , 13 m	21,200 km ² , m	74,350 km ² , m	1,990 km ² , 398 m	5,550 km ² , m	4,740 km ² , m				
2	33.7	150.2	57.8	441.0	84.3	171.2	59.6	111.8	16.9	18.2	32.8				
5	26.5	112.5	43.6	340.5	38.7	101.3	31.4	66.2	11.8	11.0	19.2				
10	23.6	97.9	36.4	307.1	19.8	82.4	17.9	40.6	9.5	8.4	12.8				
15	22.4	92.0	32.9	294.9	11.9	76.3	11.7	27.6	8.5	7.5	9.9				
20	21.7	88.7	30.7	288.3	7.2	73.2	7.9	19.1	7.9	7.0	8.1				
25	21.2	86.4	29.1	284.1	4.0	71.4	5.2	12.8	7.5	6.6	6.8				
30	20.9	84.8	27.9	281.2	1.7	70.2	3.1	7.9	7.2	6.4	5.9				
40	20.4	82.6	26.1	277.3	-	68.6	0.2	0.4	6.8	6.1	4.5				
50	20.1	81.1	24.8	274.8	-	67.6	-	-	6.5	5.9	3.6				
60	19.8	80.0	23.8	273.0	-	67.0	-	-	6.2	5.7	2.8				
80	19.5	78.5	22.3	270.7	-	66.2	-	-	5.9	5.5	1.8				
100	19.3	77.5	21.3	269.2	-	65.7	-	-	5.7	5.4	1.1				
200	18.7	75.1	18.4	265.8	-	64.7	-	-	5.1	5.1	-				
300	18.5	74.1	16.9	264.5	-	64.3	-	-	4.8	5.0	-				
400	18.3	73.5	16.0	263.7	-	64.1	-	-	4.6	4.9	-				
500	18.2	73.1	15.3	263.3	-	64.0	-	-	4.5	4.9	-				
AD 1983	26.7	75.9	29.1	372.2	6.1	70.3	10.0	21.4	11.2	9.5	6.8				
**	0.9	1.3	1.2	0.8	3.3	1.2	1.8	1.9	0.9	0.9	1.9				
*	1.0	1.5	1.5	0.9	6.4	1.4	3.1	3.1	1.1	1.2	2.8				

Note: Figures shown on "(Year)" row mean catchment area and elevation of gauging station.

** = Discharge with 10-year Return Period / Discharge in 1983

* = Discharge with 5-year Return Period / Discharge in 1983

Rain-gauge Station		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
No.	Name	N.L.	W.L.															
1	ABIDJAN AERO	5,27	5,03															
2	ABENGOUROU - IRCC	5,37	5,48															
3	ABOSSO	5,47	5,30															
4	ADJARE	5,39	5,30															
5	ADZUPE	5,10	5,25															
6	AGBOVILLE	5,95	4,52															
7	AGRIKOLENSO	5,17	5,20															
8	ALEPE	5,50	5,07															
9	AZAGUIE	5,85	4,82															
10	BEOUMI	7,87	5,27															
11	BOCANDA	7,97	4,57															
12	BONDOUNKOU	4,89	2,78															
13	BONGOUANOU	4,87	4,29															
14	BOUAFLE	6,87	5,15															
15	BOUABE (AERO)	7,87	5,05															
16	BOUANA	9,37	2,98															
17	BOUNDIALI	5,27	4,07															
18	DABAKALA	5,37	4,15															
N.A.	DANNANE	7,57	8,17															
19	DALDA AGRICOLE	4,87	6,45															
20	DIMBONRO	4,67	4,79															
21	DIVO	5,87	5,17															
22	FERRIENDEVOUCOU	5,87	5,28															
23	FRESKO	5,87	5,28															
24	GAGNDA	4,17	5,15															
25	GRAND LAHOU	5,17	5,27															
26	GRAND JERBEY	4,47	6,97															
27	GUICLO	6,57	7,07															
28	KATOLA	4,17	5,10															
N.A.	KONG	5,17	4,47															
29	KORRIGO AERO	9,47	5,67															
30	LANGOTA	5,87	5,67															
31	MAN-AERO	4,87	7,27															
32	MANNONO	5,87	4,18															
33	MERAHIERO	7,47	4,37															
34	MANIGNAN	5,07	7,45															
35	ODIENNE	9,97	7,17															
36	OUANGOLOBOUCOU	9,97	5,17															
37	OUNE	5,37	5,47															
38	SAN PEDRO	4,37	6,45															
N.A.	SASSANDRA	4,87	4,88															
39	SEQUELA	7,57	5,87															
40	SOUBRE	5,18	6,48															
41	TABOU	4,47	7,17															
42	TAI	9,17	7,45															
43	TENGRELA	5,47	6,48															
44	THASSALE	5,87	4,87															
45	TIESSOU	7,17	5,27															
46	TOURA	5,87	5,88															
47	TOULEPELEU	4,57	8,48															
48	TOUMOUNKORO	4,57	5,07															
49	YAVOUA	7,17	4,07															
50	YAMBOUSSOUKRO VILLE	4,47	5,15															
51	ZOUENOUA	7,47	4,87															

Note: FRESKO - manual data available, N.A. - no data per year data not available
Source: SOGREAH

Monthly Rainfall Records Available for the Existing Rain-gauge Stations

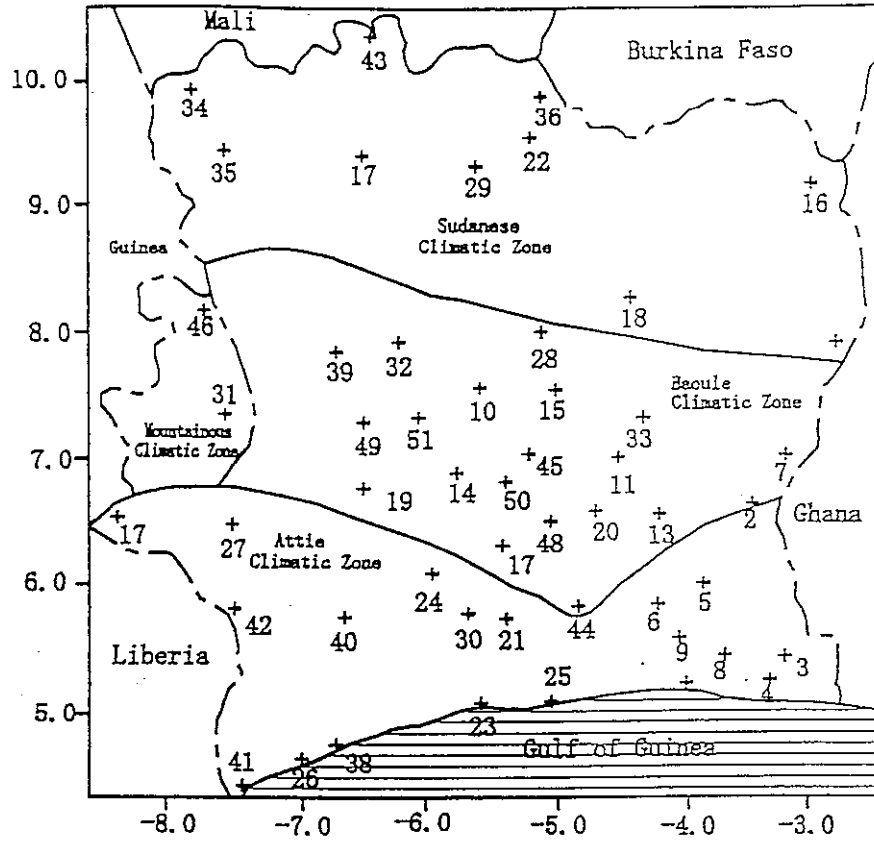
Rain-gauge Station				1983												Remark
No.	Name	N.L.	W.L.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	ABIDJAN AERO	5.25°	3.93°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
2	ABENGOUROU - IRCC	6.72°	3.48°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
3	ABOISSO	5.47°	3.20°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
4	ADIAKE	5.30°	3.30°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
5	ADZOPE	6.10°	3.85°													N.A.
6	AGBOVILLE	5.92°	4.22°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
7	AGNIBILEKRO	7.12°	3.20°													N.A.
8	ALEPE	5.50°	3.67°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
9	AZAGUIE	5.63°	4.02°													N.A.
10	BEOUMI	7.67°	5.57°													N.A.
11	BOCANDA	7.07°	4.52°													N.A.
12	BONDOUKOU	8.05°	2.78°													N.A.
13	BONGOUANOU	6.65°	4.20°													N.A.
14	BOUAFLE	6.98°	5.75°													N.A.
15	BOUAKE (AERO)	7.68°	5.03°													N.A.
16	BOUNA	9.27°	2.98°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
17	BOUNDIALI	9.52°	6.47°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
18	DABAKALA	8.38°	4.43°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
19	DALOA AGRICOLE	6.88°	6.45°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
N.A.	DANANE	7.25°	8.15°													
20	DIMBOKRO	6.65°	4.70°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
21	DIVO	5.83°	5.37°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
22	FERKESSEDOUGOU	9.60°	5.20°													N.A.
23	FRESCO	5.08°	5.58°													N.A.
24	GAGNOA	6.13°	5.95°													N.A.
25	GRAND LAHOU	5.13°	5.02°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
26	GRAND BEREBY	4.65°	6.92°													N.A.
27	GUIGLO	6.53°	7.47°													N.A.
28	KATIOLA	8.13°	5.10°													N.A.
N.A.	KONG	9.13°	4.62°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
29	KORHOGO AERO	9.42°	5.62°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
30	LAKOTA	5.85°	5.67°													N.A.
31	MAN-AERO	7.40°	7.52°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
32	MANKONO	8.05°	6.18°													N.A.
33	M'BAHLAKRO	7.45°	4.33°													N.A.
34	MINIGNAN	10.00°	7.83°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
35	ODIENNE	9.50°	7.57°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
36	OUANGOLODOUGOU	9.97°	5.15°													N.A.
37	OUME	6.37°	5.42°													N.A.
38	San Pedro	4.75°	6.65°													N.A.
N.A.	SASSANDRA	4.95°	6.08°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
39	SEGUELA	7.95°	6.67°													XXXXXX
40	SOUBRE	5.78°	6.60°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
41	TABOU	4.42°	7.37°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
42	TAI	5.87°	7.45°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
43	TENGRELA	10.48°	6.40°													N.A.
44	TIASSALE	5.88°	4.83°													N.A.
45	TIEBISSOU	7.15°	5.22°													N.A.
46	TOUBA	8.28°	7.68°													XXXXXX
47	TOULEPLEU	6.57°	8.40°													N.A.
48	TOUMODUKORO	6.58°	5.05°													N.A.
49	VAVOUA	7.37°	6.47°													N.A.
50	YAMOSSOUKRO VILLE	6.90°	5.35°	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
51	ZOUENOULA	7.42°	6.05°													N.A.

Note: N.A. means not available XXXXXX means available

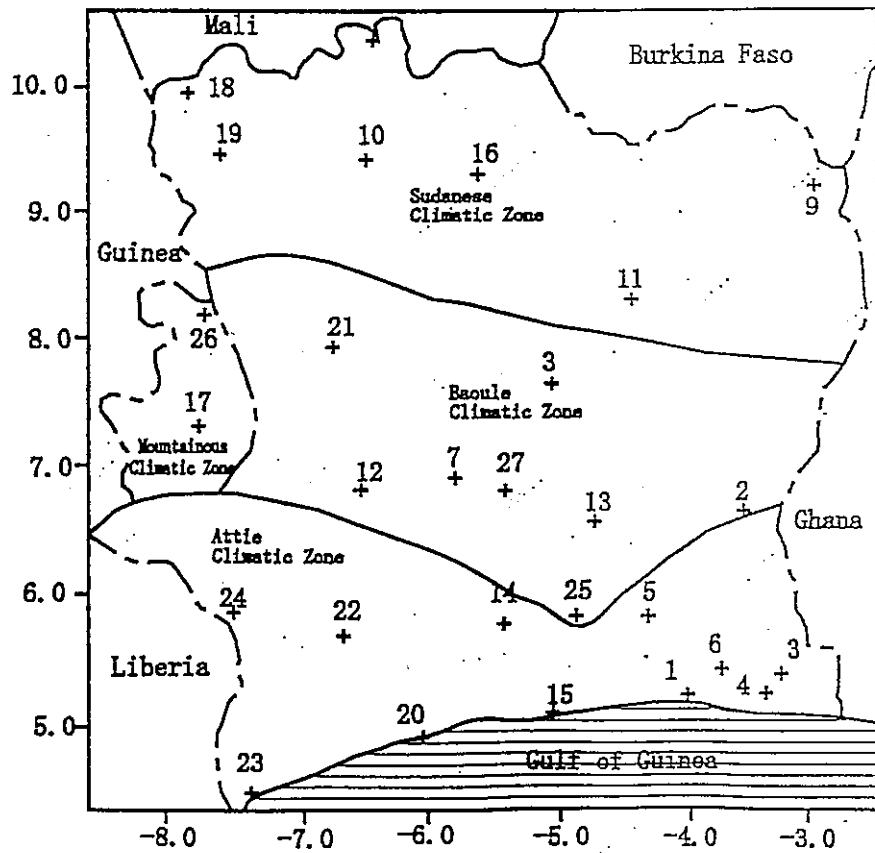
Source: SODEXM

Available Daily Rainfall Records in 1983

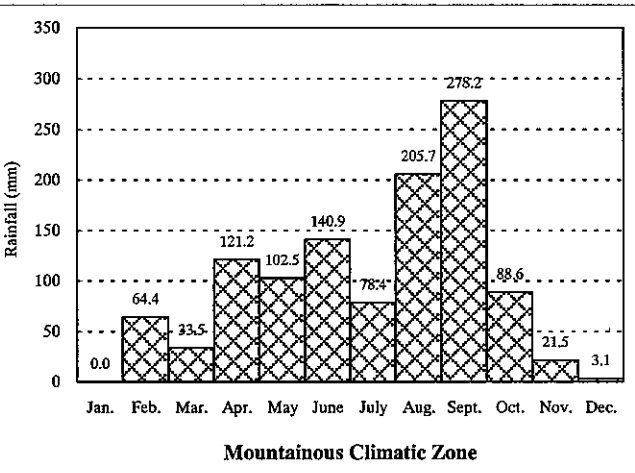
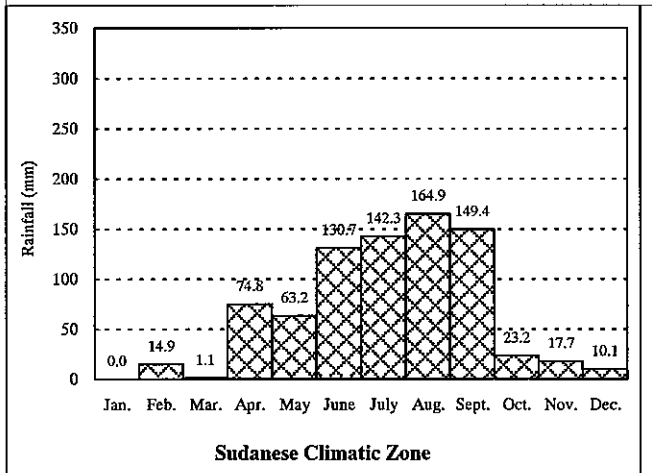
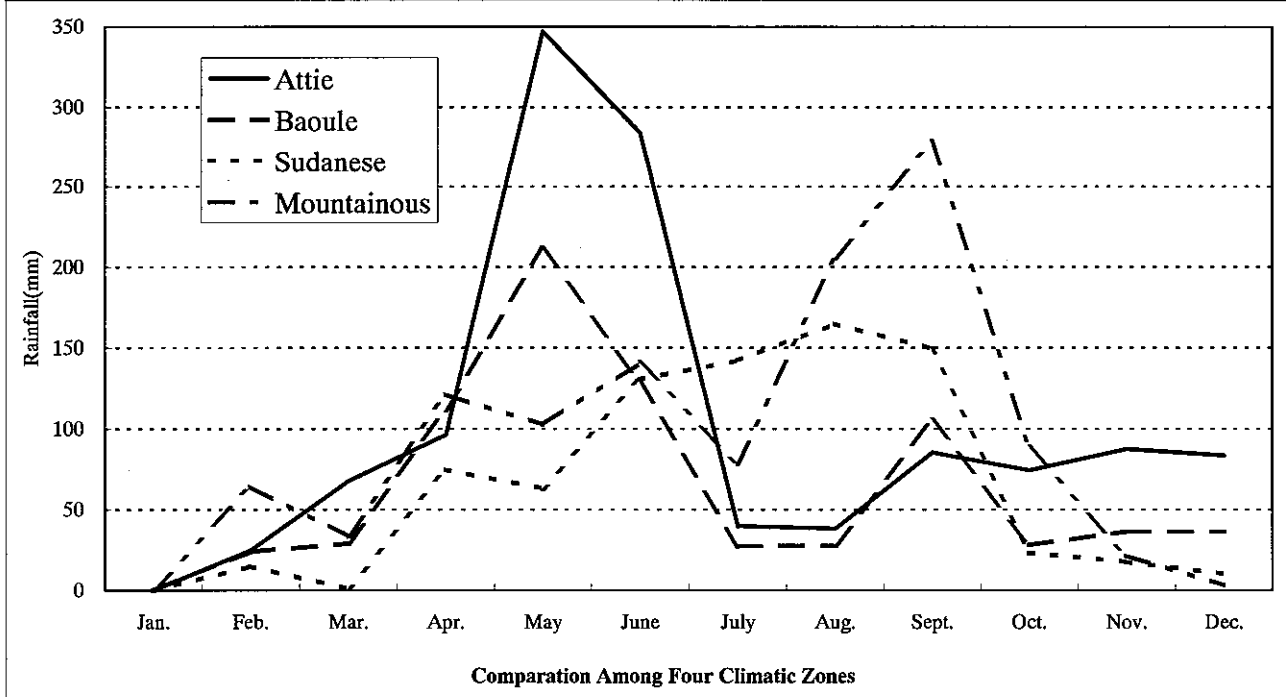
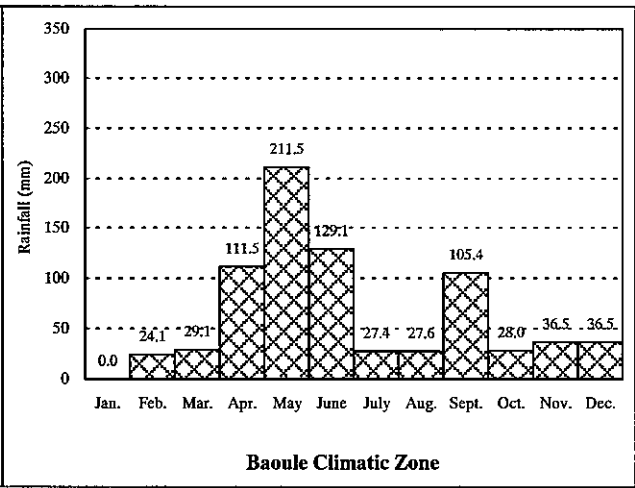
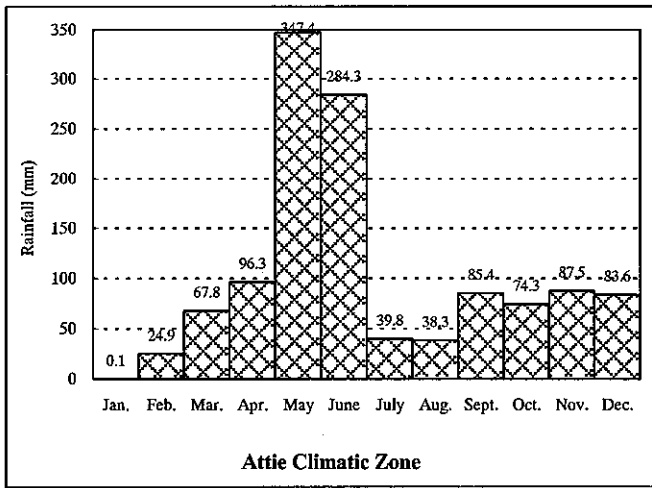
Rain-gauge Station with Monthly Data (AD 1980-1996)



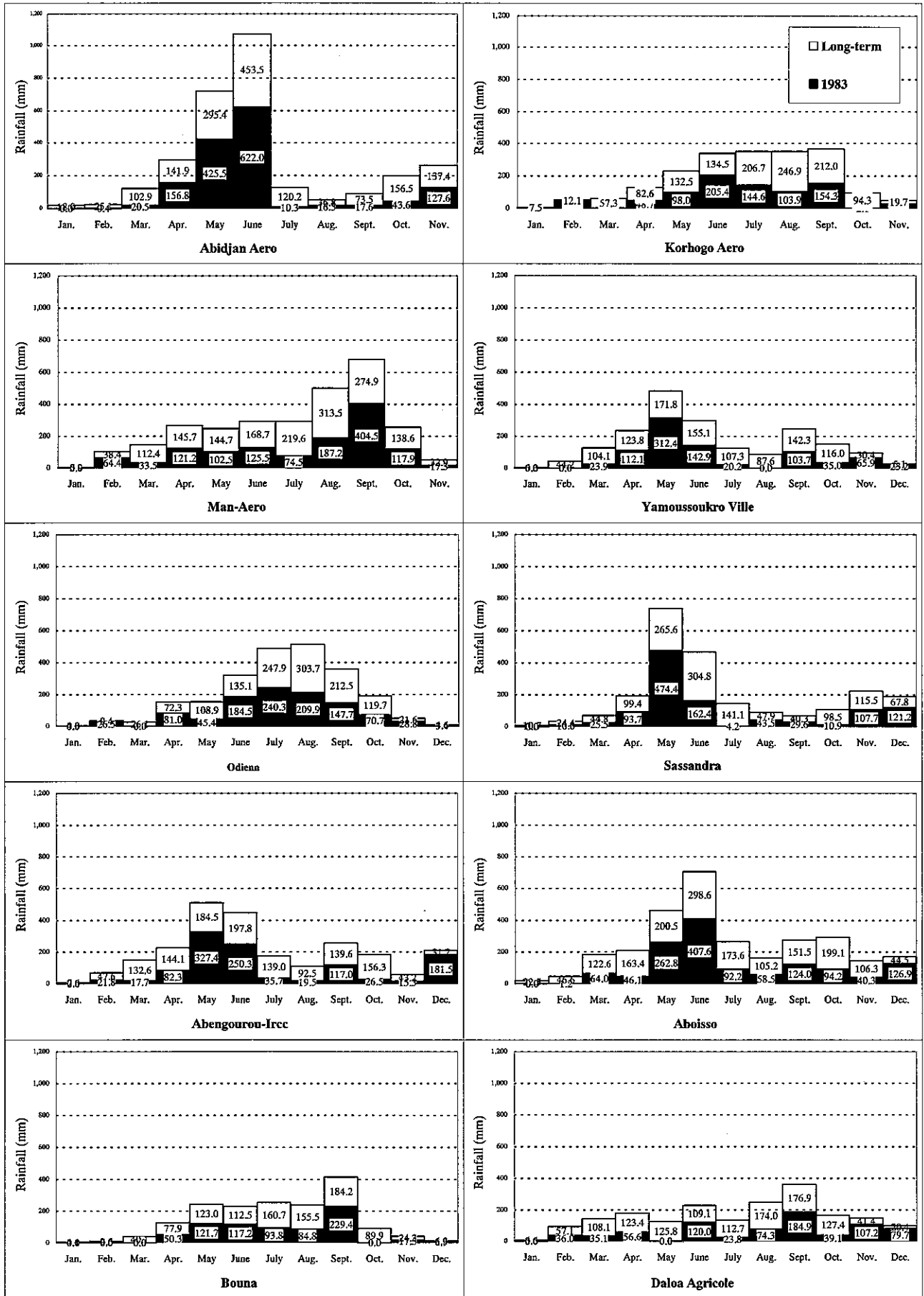
Rain-gauge Stations with AD1983 Daily Data



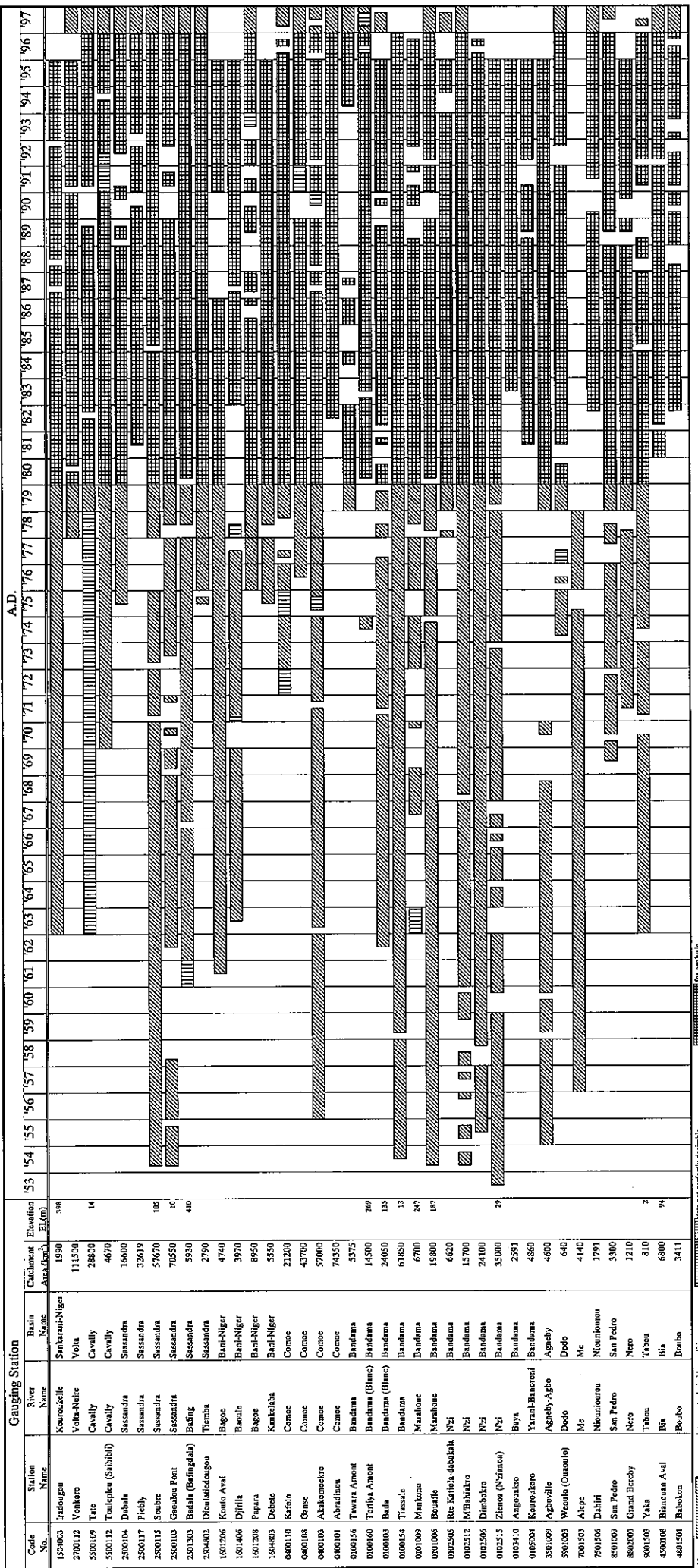
Location Maps of Rain-gauge Station



Representative Zonal Average Rainfall in A.D. 1983



Average Monthly Rainfall at the Representative Rain-Gauge Stations



A.D.

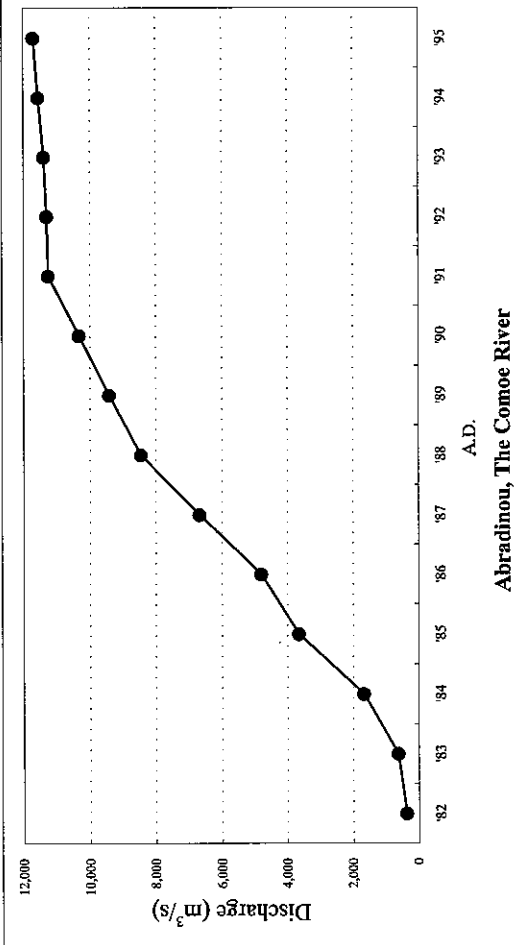
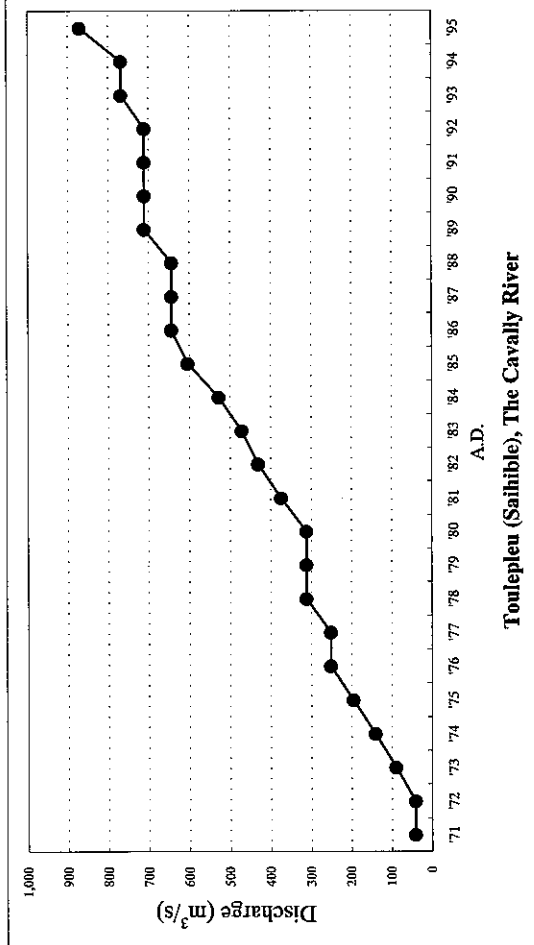
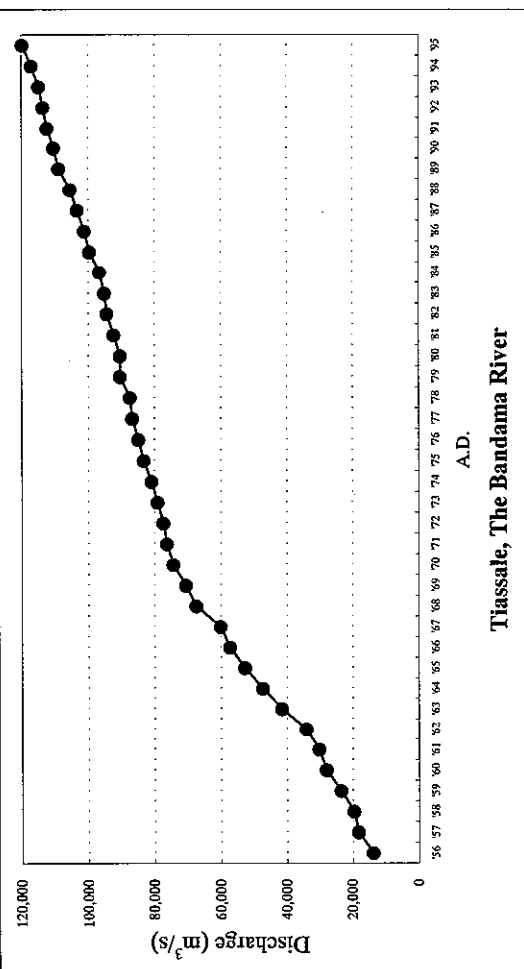
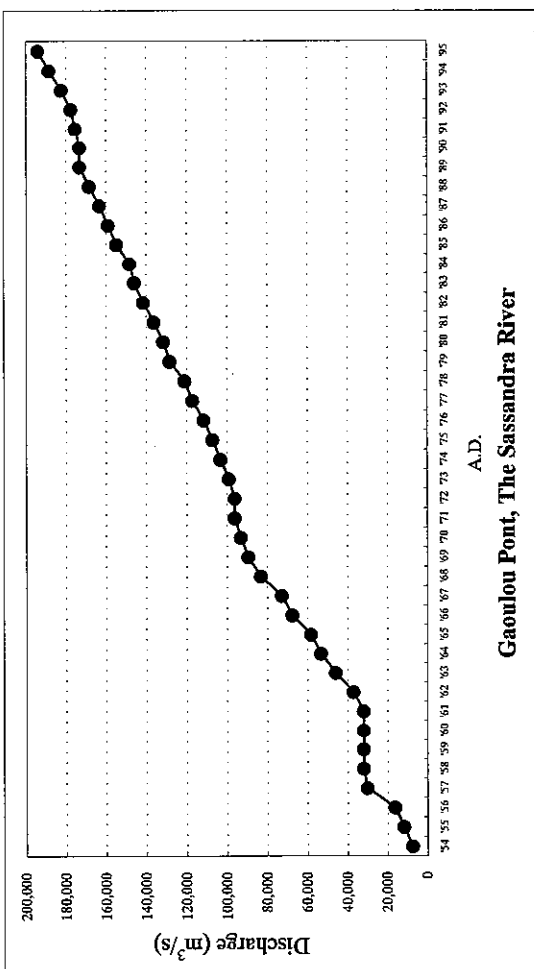
Gauging Station

Code No.	Station Name	River Name	Basin Name	Catchment Area (km ²)	Elevation (m)
1504003	Iadougou	Kouroukelle	Sankarani-Niger	1990	398
2700112	Voltz	Volta-Nièze	Sankarani-Niger	111500	
5300109	Tate	Cavally	Cavally	28800	14
5500112	Tonlepleh (Sahibbi)	Cavally	Cavally	4670	
2500104	Dohla	Sassandra	Sassandra	16600	
2500117	Pieby	Sassandra	Sassandra	32619	105
2500115	Soubre	Sassandra	Sassandra	57670	10
2500103	Ghouzon Pont	Sassandra	Sassandra	70550	410
2501303	Badala (Katingala)	Sassandra	Sassandra	5930	
2504802	Diboulidougou	Tiemba	Sassandra	2790	
1601206	Koulo Awa	Bagoé	Sassandra	4740	
1601406	Dyinka	Bagoé	Sassandra	3970	
1601208	Parara	Bagoé	Sassandra	8950	
1604803	Debele	Kankaba	Sassandra	5530	
0400110	Kafelo	Comoe	Sassandra	21200	
0400108	Gase	Comoe	Sassandra	43700	
0402103	Alakonekro	Comoe	Sassandra	57000	
0400101	Abradina	Comoe	Sassandra	74350	
0100156	Twara Amont	Bandama	Bandama	5375	269
0100160	Tonija Amont	Bandama (Blanc)	Bandama	14500	
0100103	Bda	Bandama (Blanc)	Bandama	24050	135
0100154	Tissale	Bandama	Bandama	61850	13
0101009	Mankono	Marahoué	Bandama	6700	247
0101006	Beafile	Marahoué	Bandama	19800	187
0102505	Rte. Kalicla-dabakala	N'zi	Bandama	6620	
0102512	M'Bahakro	N'zi	Bandama	15700	
0102506	Dimbakra	N'zi	Bandama	24100	
0102515	Zhoua (N'zi-nou)	N'zi	Bandama	35000	29
0103410	Anguako	Boya	Bandama	2391	
0105004	Karoukero	Yaram-Banorouf	Bandama	4860	
3101009	Agboville	Agbohy-Agbo	Agbohy	4600	
7001503	Alepe	Dodo	Dodo	640	
7501506	Duhri	Me	Me	4140	
8010003	San Pedro	Niouniourou	Niouniourou	3791	
8009003	Grand Borchy	San Pedro	San Pedro	3300	
8001305	Yala	Nero	Nero	1210	
4300108	Bimouan Avel	Tabou	Tabou	810	2
4801501	Babouk	Bia	Bia	6800	94
		Boubo	Boubo	3411	

Note: [Symbol] means data near to desirable condition, [Symbol] data not perfectly desirable.

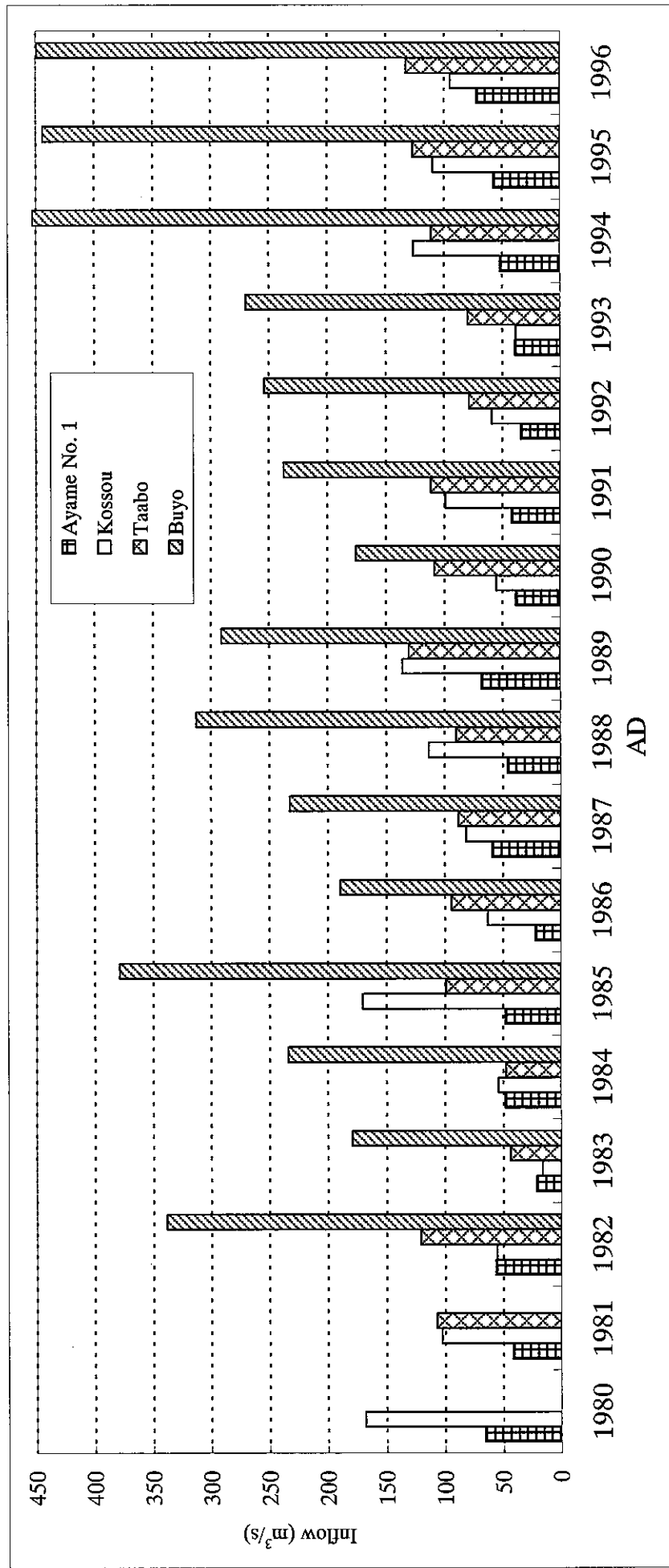
Available Monthly Discharge Records for Control Points

Source: Department of Hydrology, Ministry of Economic Infrastructure



Double-mass Curves of Annual Average Discharges for the Control Points in the Major Four Rivers

Dam	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Ayame No. 1	65.48	41.77	56.36	21.26	48.35	47.87	22.36	59.09	46.02	67.98	38.33	42.18	33.68	38.86	51.9	57.3	72.27
Kossou	168.26	102.6	55.32	16.16	53.99	170.29	62.82	81.74	113.67	135.95	55.41	98.91	58.87	38.24	126.5	109.8	94.64
Taabo	-	107.05	120.71	43.74	47.61	99.18	94.37	88.13	89.99	130.62	108.62	111.55	78.56	79.7	111.16	126.89	132.52
Buyo	-	-	338.32	179.25	234.02	378.91	189.18	232.46	312.69	290.94	175.76	237.06	253.91	269.58	453.32	444.05	449.17



Annual Inflow to be Discharged into Dams