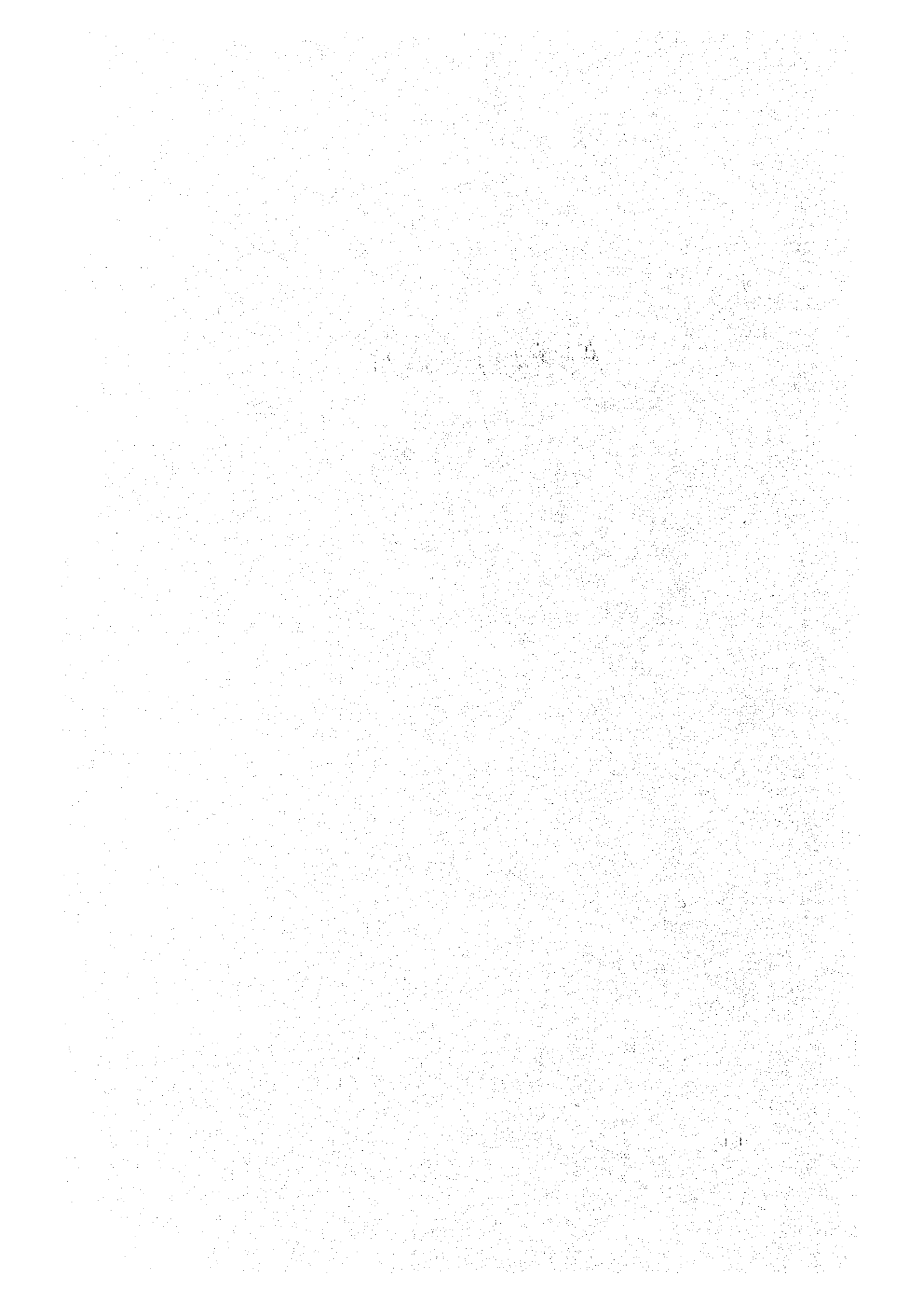


APPENDIX-B



APPENDIX - B

1.	Precipitation	B-1
2.	Monthly Discharge	B-21

APPENDIX - B

1. Precipitation

YEAR	Precipitation												ANNUAL
	STATION Belleyella												
	CATCHMENT AREA												
RIVER, IN THE BASIN OF												sq km	
ELEVATION												mm	
UNIT												S	
W												*	
APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.		
1952			237	295		555	155	132	37	24	64	53	
1953	314	271	378	260	378	261	296	66	0	20	97	148	2,495
1954	240	226		187	291	449	434	265	44		91	293	
1955	113	120			447	312	287	39			90	132	
1956	201	151	198		237	372	259	86					
1957		264	305	366	393		322			4			
1958	303	171	132		124		176				63	69	
1959	94	254	154				117	196	2	23	53	155	
1960	94	142	125	65	512	261	154	138	42	0	26	160	
1961	356				631							76	
1962													
1963													
1964		453	413		933		256	109			179	381	
1965						381	15						
1966		224	308	2	5								
1967													
1968							313	217	50	3	41	83	
1969	143	178		343	281						15	106	
1970	214	214	164				155	149					

YEAR	Precipitation												ANNUAL
	STATION Bopolu												
	CATCHMENT AREA												
RIVER, IN THE BASIN OF												sq km	
ELEVATION												mm	
UNIT												S	
W												*	
APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.		
1952		268	307	370	670	813	273	79	34	18		160	
1953	166	138	346	462	546	374	370	70	66	59	102	169	2,868
1954	244	161	187	316	295	501	264	330	26	2	50	115	2,491
1955	97	224	271	404	587	407	430	48	1	0		51	
1956	118	349	280	341	295	400	178	102	182	24	0	88	2,357
1957	137	118	253	259	268	319	469	273	71	77	31	105	2,380
1958	165	252	75	128	114	661	282	264	6	0	66	196	2,209
1959	327	59	66	220	441	592				0	21	210	
1960	173	185	381	208	104	417	431	843	55	23	45	137	3,002
1961	179	196	223	312	406	508	324	166	55	29	41	155	2,594
1962	327	360	408		573	836							
1963												135	
1964	206	100	333	560		491	387	151		48	46	30	
1965	80	367	261	598	547	886	153	117					

Precipitation		STATION		Kolahun		CATCHMENT AREA		sq km		S		W	
RIVER IN THE BASIN OF		ELEVATION		m		UNIT		mm		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1952								59	5	18		93	
1953	230	213	321	269	356	447	308	149	185	10	82	247	2,817
1954	100		240	15	318	671		302	61	15	48	179	
1955	105	202	317	395	635	660	559	152	132	0	10	46	3,214
1956	36	196	335	384	438	418	238	328	87	5	1	97	2,563
1957		231	483	432	306	646	399	326	39	1	32	188	
1958	169	215	348			669	430	465	27	25	24		
1959	112	233	240	404	237	578		307	102	24	6	31	
1960	125	195	167	343	189		226	0	80			52	
1961	216	226	165		244	246	125	123	21	1			
1962		240		372	426	455							
1963													
1964													
1965		194	297	181	375	364	281	219			72	131	
1966	85					215		85	9			64	
1967	70		426	440	278	410	495	125	4	14		111	
1968					363		466	402	78	12	58	140	
1969	211	293		558	487					13	18	57	
1970	137	394	435	156	294	283	173	155					

Precipitation		STATION		Salaya		CATCHMENT AREA		sq km		S		W	
RIVER IN THE BASIN OF		ELEVATION		m		UNIT		mm		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1967		381		217	214	56	54	45	15			115	
1968	309		369		360		279	150	247	12			
1969	195				407								

Precipitation		STATION		Voinjama		CATCHMENT AREA		sq km		RIVER IN THE BASIN OF		ELEVATION		UNIT		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL						
1952								96	32	16	104	195							
1953	174	211	449	286	410		120	179	40	3	50	128							
1954	133	159	300	256	295	401	364	311	70	31	38	145	2,503						
1955	123	125	352	195	471	216	330	59	89	0	104	239	2,303						
1956	147	124	211	420	243	386	201	221	90	6	3	160	2,232						
1957	227	402	466	935	463	406	419	431	5	90	127	289	4,260						
1958	481	328	463	325	399	853	453	723		0	0	11							
1959	274	460	434	662	319	456	364	135	157	0	0	167	3,428						
1960	144	230	439	288	635	508	322	167	69		10	54							
1961		178	131	407			184	89		0	68	39							
1962	157	206	343	542	587	428	197	352			123								
1963			367	267		240	382	230	17			152							
1964	104	154			497	485	76	170		18	46	166							
1965		194	163	244	445	322	153					64							
1966	47	114	176	408	328	326	225	53	6		6	29							
1967	86	219	407	449		388	381	66				26							
1968	227		362		512			246	36	4	14	62							
1969	159	80		350						39	12	104							
1970	54	201	115	236	417	241	89	200	11										

Precipitation		STATION		Zorkor		CATCHMENT AREA		sq km		RIVER IN THE BASIN OF		ELEVATION		UNIT		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL						
1954										42	42	159							
1955	170	199	200		592	414	152	12	53		50	151							
1956	245	46	182	137	117	672	333	155	5	9	71	119	2,091						
1957	239	104	264	331	359	376	338	104	94	68	52	109	2,438						
1958	283	114	221	117	232	466	247	264	47	28		87							
1959	97	228	101	273	242	257	481	131	3	26	28	130	1,997						
1960	149	78	146	132	241	450	310	133	40		58	118							
1961	133																		

Precipitation													STATION	Zule (201)	CATCHMENT AREA	UNIT					
RIVER IN THE BASIN OF													ELEVATION			S			W		
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1952						467	373	152	17	46	30	130									
1953	248	207	341	205	446	536	314	116	13	28	28	13	2,495								
1954	94	98	200	213		470	363	93	93	12	41	171									
1955	21	188	434	396	479	407	434		33	40	421	86									
1956	211	122	380	455	519	547	248	175	74	7	0	79	2,817								
1957	114	220	510	704		1,071	321	268	165	32	16	148									
1958	197	267	198	173	465				20			13									
1959	23	140	173	230	198	433				0	0										
1960							188	187	176	37	105	319									
1961	460	502	705	608																	

Precipitation													STATION	Robertspört	CATCHMENT AREA	UNIT					
RIVER IN THE BASIN OF													ELEVATION			S			W		
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1951												71									
1952	35		849	996	1,433	1,133	356	135	48	47	75	58									
1953	225	607	1,312	1,296	559	899	473	135	123	17	76	123	5,845								
1954	240	463	648	608	262	854	514	258	48	30	32	191	4,148								
1955	272	240	1,073	1,084	659	614	533	57	262	3	18	42	4,857								
1956	154	544	956	1,197	194	545	298	265	244	7	17	34	4,454								
1957	27	290	735	978	775	812	872	325	178	121	44	124	5,281								
1958	299	779	852	240	380				61	25	153	101									
1959	69	204	888	1,341	241		232	146		23	8	181									
1960	165	373	914	764	563	131	316	114	142	38	0	83	3,603								
1961	68	227	939	1,323	677	621	262	60	0	41	25	11	4,254								
1962	180	305	769	892	382	762	259	480	3	58	33	42	4,165								
1963		237	538	771	968	686	104	260	31	3	0	26									
1964	3	294	732	1,061	334	1,069	250	264		2		45									
1965	132	307	781	1,064	715	761	851	165	7	1	16	75									
1966	217	289	596	1,106	1,050	565	822	142	111		1										
1967	148	93	1,097	1,109	679	995	565	217	25	3		103									
1968	115		598		1,196		426	275	105		9	47									
1969	281	772		1,390	592					6		25									
1970	39	334	816	619	507	599	363	79	21												

YEAR	Precipitation												ANNUAL
	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	
1958								94	48	0	84	58	
1959	21	357	191	195	189	448	171	126	48	0	22	27	1,795

YEAR	Precipitation												ANNUAL
	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEF.	JAN.	FEB.	MAR.	
1962										28	138	88	
1963	156	115	464	413	589	580	401	110	20	7	11	114	
1964		1,374									51	592	
1965			318	517	382	427	330	177					
1966		168	345			360	413						
1967													
1968			1,250		1,161		249	210	167	15	43	216	
1969	159	194		320	360								

Precipitation													STATION	Salala	CATCHMENT AREA	sq. km				
RIVER IN THE BASIN OF													ELEVATION				UNIT	S	W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1951							597	124		0	50	21								
1952	189	356	42	98	299	214	42	14				52								
1953	179	183	272	554	540	450	144	134	56	28	61	191	2,792							
1954	192	205	171	288	191	407	393	189	0	0	91	150	2,277							
1955	146	199	284	465	357	520	538	70	119	14	68	266	3,046							
1956	133	220	391	160	112	495	262	84	85	61	32	130	2,165							
1957	185	200	242	343	321	556	396	98	100	49	28	211	2,729							
1958	133	84	140	129	287	378	299		65	1	40	99								
1959	113	201	282	316	227															
1960							229	85	94											
1961			177		241	487	248	162	90	244	249									

Precipitation													STATION	Suakoko	CATCHMENT AREA	sq. km				
RIVER IN THE BASIN OF													ELEVATION				UNIT	S	W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1951				204	25		474			15		159								
1952		207	309	138	222	442	259	95	23	11	68	74								
1953	241	241	87	270	138	237	178	44	18	43	76	277	1,850							
1954	159	148	125	79	-	346	274	191	24	24	99	179								
1955	72	142	393	327	235	361	301	92	13	28	125	118	2,207							
1956	273	217	233	87	93	356	196	70	104	10	19	113	1,771							
1957	207	217	177	227	270	496	162	-	23	38	-	116								
1958	194	168	94	18	74	325	248	161	40	3	106	235	1,660							
1959	193	360	200	275	-	361	277	82	1	9	15	248								
1960	145	268	263	144	398	431	227	79	82	0	7	8	2,052							
1961	80	35	22	253	74	337	120	62	1	8	122	63	1,177							
1962	138	179	280	168	272	291	130	-	0	-	287	144								
1963	-	180	211	170	197	112	-	-	-	1	0	0								
1964	-	-	-	62	-	123	81	-	-	10	26	40								
1965	100	137	198	-	-	135	8	-	-	-	-	-								
1966	-	108	-	109	-	-	199	202	-	-	24	-								
1967	114	74	124	98	154	201	130	-	-	-	-	-								
1968	-	-	-	-	-	-	-	-	-	-	-	-								
1969	-	-	-	-	-	-	-	-	-	-	10	36								
1970	117	201	165	70	128	262	48	137	11	-	-	-								

Precipitation													STATION	Totota		CATCHMENT AREA		sq km		
RIVER IN THE BASIN OF													ELEVATION		UNIT		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1955										10	71	290								
1956	160	168	358	102	162	327	225	73	150	42	38	164	1,969							
1957	158	189	183	327	332	495	382	157	123	64	7	200	2,617							
1958	133	98	147	113	129	652	183													

Precipitation													STATION	Bont Hills		CATCHMENT AREA		sq km		
RIVER IN THE BASIN OF													ELEVATION		UNIT		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1951						400	550	309	10	0	42	106								
1952	160	216	430	528	747	550	-	155	21	3	70	103								
1953	212	343	679	629	478	662	-	-	-	-	111	146								
1954	219	220	377	319	303	770	270	297	105	28	51	245	3,204							
1955	110	217	646	346	743	705	411	158	86	27	16	158	3,623							
1956	153	286	359	321	348	722	351	127	191	28	34	149	3,069							
1957	154	308	277	536	416	699	177	263	77	45	82	188	3,222							
1958	198	329	167	234	-	-	-	-	-	-	-	-								
1959	-	-	-	-	-	-	-	-	-	-	-	-								
1960	-	-	-	-	-	-	-	-	-	-	-	-								
1961	-	-	-	-	-	-	-	-	-	-	-	-								
1962	-	-	-	-	-	-	-	-	-	-	-	-								
1963	-	-	-	-	-	-	-	-	-	-	-	-								
1964	-	-	-	-	-	-	-	-	-	-	-	-								
1965	-	-	-	-	-	-	-	-	-	-	-	-								
1966	-	-	-	-	-	-	-	-	-	-	278	64								
1967	218	118	-	1,072	463	-	311	2,536	104	-	-	212								
1968	388	-	-	-	2,470	-	367	219	42	1	68	71								
1969	266	-	-	-	-	-	-	-	-	-	30	106								
1970	180	377	269	138	393	55	182	120	-	-	-	-								

Precipitation		STATION		Goodrich		CATCHMENT AREA		sq. km		S		W	
RIVER IN THE BASIN OF		ELEVATION		m		UNIT		mm		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1955	118									10	126	165	
1956	107	385	468	308	236	760	353	105	169	20	4	61	
1957	-	-	-	593	-	707	614	-	16	-	68	218	
1958	152	173	107	155	335	784	419	179	-	33	-	78	
1959	98	175	322	1,066	214	939	278	183	-	26	21	134	
1966	136	194	679	532	686	560	389	75	61	6	0	100	3,418
1961	225	169	467	659	774	703	248	-	22	76	41	106	
1962	248	205	597	563	478	598	205	275	47	54	64	73	
1963	140	116	322	747	649	703	-	73	42	-	-	61	
1964	20	224	452	301	496	525	212	73	-	-	17	-	
1965	157	97	286	-	649	472	289	107	-	-	28	42	
1966	189	232	465	445	1,422	669	552	224	30	30	2	-	
1967	212	136	428	593	558	695	380	82	67	-	-	58	
1968	205	-	-	-	-	-	-	-	53	-	13	-	
1969	193	-	-	1,070	1,134	-	-	-	-	-	-	-	
1970	102	-	273	159	451	545	-	138	9	-	-	-	
1971	-	-	-	-	-	-	-	-	-	-	-	-	

Precipitation		STATION		Harbel		CATCHMENT AREA		sq. km		S		W	
RIVER IN THE BASIN OF		ELEVATION		m		UNIT		mm		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1936	204	296	449	236	412	706	319	325	160	1	92	33	3,233
1937	108	243	278	464	388	594	434	198	89	0	3	179	2,978
1938	218	341	301	339	404	618	524	145	53	7	100	208	3,258
1939	102	466	494	532	515	424	578	160	145	74	13	116	3,619
1940	151	211	345	454	682	544	416	220	67	23	9	58	3,180
1941	185	410	440	253	684	557	147	129	45	53	37	84	3,024
1942	122	241	265	611	391	599	344	209	39	57	61	91	3,030
1943	203	264	436	123	550	754	330	235	92	19	7	233	3,246
1944	76	150	518	764	495	805	318	147	135	43	52	109	3,612
1945	162	199	369	432	350	421	456	169	30	27	9	169	2,793
1946	249	342	369	253	411	619	556	138	52	2	37	84	3,112
1947	206	256	644	538	910	716	288	135	139	1	16	85	3,934
1948	153	225	255	369	291	612	252	235	23	8	53	113	2,589
1949	142	407	375	485	731	537	288	257	47	21	9	88	3,387
1950	128	98	423	420	321	670	337	158	47	64	126	73	2,865
1951	73	400	342	347	524	768	538	252	45	7	61	131	3,488
1952	142	366	521	587	596	600	319	166	60	24	50	132	3,563
1953	194	419	620	1,203	596	628	290	120	37	48	104	201	4,460
1954	211	133	319	279	205	691	407	219	80	24	141	364	3,073
1955	213	221	457	540	436	656	490	144	163	53	84	202	3,659
1956	218	295	507	179	192	453	385	118	99	86	20	106	2,658
1957	180	210	407	563	546	657	646	137	143	52	69	125	3,735
1958	145	129	138	167	361	510	245	252	128	37	110	210	2,432
1959	107	425	285	777	210	709	287	298	87	28	47	123	3,383
1960	127	251	681	204	565	673	420	136	88	18	71	154	3,388
1961	157	292	387	797	231	543	432	212	24	139	-	-	
1962	-	-	-	-	-	-	-	-	-	-	-	-	
1963	-	-	-	-	-	-	-	-	-	-	14	-	53
1964	-	-	-	1,038	1,568	-	2,266	-	-	-	-	-	

Precipitation													STATION	Kle	CATCHMENT AREA	sq. km					
RIVER IN THE BASIN OF													ELEVATION				m	UNIT	mm	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1954			352		283	671	380	264		8	71	181									
1955	232	331	537	494	790	753	471	71	55	4	110	140	3,988								
1956	124	280	488	363	460	684	392	217	235	15		92									
1957	98	239	320	678	453	924	479	85	128	41	80	103	3,628								
1958	124	216	221	328	282	832	461	161	55												

Precipitation													STATION	Monrovia	CATCHMENT AREA	sq. km					
RIVER IN THE BASIN OF													ELEVATION				m	UNIT	mm	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1944								241	53	26	6	39									
1945	109	373	1,003	475	117	467	404	191	77	6	5	66	3,293								
1946	130	556	767	536	272	826	1,052	157	17	19	20	103	4,455								
1947	234																				
1948																					
1949																					
1950			1,114	523	241	722	331	124	108	85	75	48									
1951	201	328	948	757	594	833	561	296	23	71	69	96	4,777								
1952	178	427	1,077	1,179	1,197	922	329	326	60	66	39	45	6,017								
1953	161	686	1,067	1,356	712	697	757	254	91	29	102	129	6,041								
1954	191	437	489	561	102	732	792	175	28	28	40	104	3,679								
1955	254	427	1,364	1,071	305	801	770	132	245	16	45	105	5,535								
1956	265	454	1,326	522	149	687	504	188	296	88	14	131	4,624								
1957	96	544	921	675	586	513	865	255	142	88	51	86	4,822								
1958	367	731	480	302	164	634	595	400	164	36	108	123	4,104								
1959	11	389	811	1,326	253	934	739	229	41	70	54	150	5,007								
1960	44	281	1,473	490	587	972	462	174	99	26	48	126	4,782								
1961	210	447	1,078	1,298	826	788	492	164	140	101	260	303	6,107								
1962	110	242	801	860	320	591	313	351	31	33	62	100	3,814								
1963			800	985	632	591		138	61	15	1	28									
1964	112	293	766	928	260	662	740	119		41		43									
1965	204	453	784	735	773	607	544	145	60		135	42									
1966	154	370	570	1,355	685	497	610	263	69		23										
1967	160	261	1,027	652	150	681	997	242	150	12		79									
1968	54		882		1,143		637	315	205			91									
1969	397	1,181		755	526						49	48									
1970	117	588	1,080	468	315	338	338	258													

Precipitation													STATION	CATCHMENT AREA			
RIVER IN THE BASIN OF													ELEVATION		UNIT	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL				
1949		275	414	910	569	525	184	149	31	42	10	97					
1950	91	179	643	511	296	1,001	351	147	65	84	100	8	3,476				
1951	61	233	581	651	659	887	511	200	39	107	93	179	4,201				
1952	52	310	836	864	717	875	465	189	50	4	37	97	4,496				
1953	241	420	757	1,530	770	657	533	136	60	27	77	157	5,365				
1954	189	194	509	497	172	520	478	448	55	27	120	154	3,363				
1955	241	321	606	659	470	721	596	91	146	8	113	124	4,096				
1956	281	361	359	348	240	709	326	167	91	99	33	68	3,082				
1957	113	256	902	955	779	828	549	94	102	50	43	82	4,753				
1958	175	304	209	275	290	646	375	289	90	15	165	158	2,991				
1959	112	789	455	1,181	261	651	412	295	105								

Precipitation													STATION	CATCHMENT AREA			
RIVER IN THE BASIN OF													ELEVATION		UNIT	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL				
1958						441	499	489	211	59	167	218					
1959	115	414	817	949	332	472	552	202	25	10	53	170	4,111				

Precipitation													STATION	Cocoapa I	CATCHMENT AREA	sq. km														
RIVER IN THE BASIN OF													ELEVATION													m	UNIT	mm	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL																	
1951						231	555	131	54	0	13	252																		
1952	243	221	179	304	252	496	266	84	3	8	51	96	2,183																	
1953	90	128	337	353	195	520	271	35	1	14	108	184	2,236																	
1954	247	170	228	250	283	491	287	168	67	0	97	295	2,583																	
1955	160	231	408	271	223	328	282	33	39	18	97	98	2,188																	
1956	163	144	289	144	170	319	143	120	53	17		221																		
1957	124	78	205	296	253	472	295	71		48	3	217																		
1958	112	149	163	65	153	315	294	248	16	6	76	87	1,684																	
1959	135	247	385	376	126	601	186	88	10	4	7	212	2,377																	
1960	150	172	142	147	487	383	164	39	155		26	76																		
1961	191	146	250	260	93	450		70	4	3	64	203																		
1962	344		331	197	336	596	206	161	62	36	117	90																		
1963	221	307	281	344	363			98	1	0	29	91																		
1964	133	225	371	235								87																		
1965	185	199	237	214		383	319	39		10	28	137																		
1966	206	151	306	268	441	260	278	77			28	78																		
1967	161	448	672	789	900	398	211	32	103	77																				
1968	417	242					202	157		25	35	78																		
1969	158	234		237	272					74	33	49																		
1970	115	138	253	80	208	344	78	108	1																					

Precipitation													STATION	Cocoapa II	CATCHMENT AREA	sq. km														
RIVER IN THE BASIN OF													ELEVATION													m	UNIT	mm	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL																	
1958			152	85	141	449		231	51	6	70	158																		
1959	90	284	393	402	97	603	183	3		2	10	230																		
1960	202	180	184	134	496	464	194	29	64	0	35	60	2,042																	
1961	202	155	260	254	139	560	94	49	10	2	82	135	1,942																	
1962	221		234	358	373	586	296	144	43	75	79	88																		
1963	81	406	276	272	439			107	1		26	97																		
1964	163	184	308	300								101																		
1965	127	189	358	357	335	517		33		22	24	188																		
1966	135	110	312	278	548	488	251	100	21	22		118																		
1967	197	89	192	178	172	480	354	54	26	6																				
1968	223		216				252	93																						

YEAR	Precipitation												ANNUAL
	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	
1927	217	192	390	278	403	332	236	119	22	31	32	56	2,308
1928	126	229	361	238	417	394	224	42	0	20	50	145	2,246
1929	144	94	182	137	173	429	245	112	0	13	35	135	1,699
1930	64	211	340										
1931													
1932		124	174	142	245	274	290	91	23	0	79		
1933										0	35	188	
1934	117	95	257	207	394	305	183	60	0	57	41	127	1,843
1935	121	163	330	173	302	356	206	99	25	6	83	58	1,922
1936	156	344	281	165	137	335	196	213	18	1	61	99	2,006
1937	56	206	227	285	297	543	203	43	0	0	50	198	2,110
1938	71									0	3	110	
1939	129	201	289	400	227	371	305	182	22	4	34	29	2,193
1940	117	191	295	383	318	495	405	83	18	31	6	111	2,453
1941	93	295	340	380	375	296	148	147	44	77	14	113	2,322
1942	208	164	234	146	302	451	326	89	121	10	18	93	2,162
1943	180	268	283	130	373	384	229	134	65	24	60	183	2,313
1944	128	200	196	413	434	497	228	41	4	19	35	128	2,323
1945	117	228	176	223	277	359	461	104	7	1	33	117	2,103
1946	85	67	215	116	160	412	536	119	56	27	78	85	1,956
1947	40	217	490	350	278	369	172	91	58	0	83	109	2,457
1948	154	122	147	168	247	400	195	183	8	19	10	194	1,847
1949	198	181	298	394	482	474	176	126	0	16	14	159	2,518
1950	132	210	195	283	176	375	318	92	24	47	162	65	2,079
1951	186	212	310	167	392	274	402	398	20	8	30	157	2,556
1952	114	155	327	233	214	408	348	102	10	47	104	75	2,137
1953	207	257	230	344	278	406	267	95	9	28	47	203	2,372
1954	226	185	178	115	164	441	211	165	44	4	21	183	1,937
1955	188	274	283	341	276	439	227	145	91	0	126	151	2,541
1956	156	178	309	144	163	421	158	139	39	17	68	155	1,947
1957	163	217	161	255	329	314	173	151	36	0	27	157	1,963
1958	156	116	95	52	100	410	265	270	46	16	99	131	1,756

YEAR	Precipitation												ANNUAL
	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	
1959	86	183	244	299	104	393	151	129	4	13	25	164	1,795
1960	180	155	162	246	386	400	254	79	60	0	8	61	1,991
1961	111	125	296	307	165	559	119	173	-	41	-	130	
1962	314	434	450	349	415	519	305	-	-	-	-	107	
1963	201	-	-	-	-	-	-	86	10	1	55	141	
1964	90	280	-	559	828	315	300	127	-	-	-	89	
1965	38	-	-	-	-	696	377	107	-	32	147	-	
1966	-	332	248	286	393	397	-	107	86	-	-	-	
1967	-	156	149	184	126	419	135	55	1	-	-	46	
1968	248	-	363	-	465	-	258	106	103	20	3	288	
1969	99	89	-	5	6	-	-	-	-	47	-	51	
1970	109	232	-	133	290	315	45	188	1	-	-	-	
1971	-	-	-	-	-	-	-	-	-	-	-	-	

Precipitation													
STATION													Kpain
RIVER IN THE BASIN OF													CATCHMENT AREA
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1958		158	72	67	150	460	180	177	4	6	12	117	
1959	143	183	343	408	100	478	163	83	8	0	29	161	2,099
1960	146												

Precipitation													
STATION													Flamantown
RIVER IN THE BASIN OF													CATCHMENT AREA
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1953				599	217		597	210	133		82	259	
1954	183	320	334	62	221		533	276	130	89	118	253	
1955	268	268	683	179	176		607	392	261	73	157	145	
1956	293	473	358	92	123	702	458		223	71	149	267	
1957	292	310	1,037	197	463	458							
1958				48									

Precipitation		STATION		Mount Mimba		CATCHMENT AREA		sq. km		RIVER, IN THE BASIN OF		ELEVATION		UNIT		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL						
1956										5	41	211							
1957	179	147	544	556	508	747	528	188	180	46	8	135	3,766						
1958	135	99	191	173	284	607	307	310	41	71	81	150	2,449						
1959	112	201	310	655	236	662	305	233	37	9	22	234	3,016						
1960	188	132								0	27	94							
1961	173	171	371	319		656		327	89	16	126	195							
1962	217		396	405	616		237	362	37		102								
1963	99	322	304	504			610	166			61	196							
1964										33									
1965						548	205					259							
1966	199	30	373		694				15										

Precipitation		STATION		Sanokole		CATCHMENT AREA		sq. km		RIVER, IN THE BASIN OF		ELEVATION		UNIT		S		W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL						
1951							376	113	8	8	88	96							
1952	152	132	158	357		372	293	100	31	44	102	103							
1953	102	275	192	402	646	364	387	58	5	15	39	221	2,706						
1954	128	148	391	347	134	433	356	190	14	3	1	64	2,209						
1955	101	119	496	644	545	468	280	73	60	4	183	152	3,125						
1956	114		446	658	559	734	170		56	18	37								
1957			198	380		496	311	158	61	38	48	102							
1958	168	239	115	66	136	471	113	83	59	30	22	47	1,549						
1959	90	166	287	341	96	531		44											
1960																			
1961																			
1962			267	312	348	389	273	206	57	24	98	186							
1963	144	340	278	371	543	845	408			18	53	111							
1964		492		161	436	278	192	233			190	74							
1965	9	217	333	223	441	354	462	133		5	11	163							
1966	80	224	340	449	361	343	424	142	20			83							
1967	146	169	122	132	339	442	273	38	513	7		235							
1968	253		278		398		369	163	33	31	100	88							
1969	87			233	248														

Precipitation		STATION		Tapeta		CATCHMENT AREA		sq km		RIVER, IN THE BASIN OF		ELEVATION		m		UNIT		mm		S		W		ANNUAL		
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.														
1951				189	259	343	481	106	6	0	88	182														
1952	131	290	212	188	146	431	303	92	40	5	85	109													2,032	
1953	226		184	411	108	258	263	9	30	13	84	39														
1954	48	156	204	66	115	348			0	0	58	264														
1955	108	180	380	250	93	382	203	31	48	0	122	118													1,915	
1956	170	234	324	101	104	360	214	41	18	87	20	90													1,763	
1957	95	250	331	219	172	376	309	82	34	43	64	103													2,078	
1958	135	93	164	34	77		174	255	37	33	91	82														
1959	111	329	302		121							145														
1960						335		38	8																	
1961			333	133	52	428	124	75	25	5	40	220														
1962	210	208	421	163	225	350	174																			
1963				365	244	216		63	18		16	59														
1964	192	345	472	2,529	168	247	194	74		15		88														
1965	198	254	350	223	361	407	27	53			42	70														
1966		158	278	581	230	265	264	33		7	23	97														
1967	169	140	278	196	262																					
1968	59						533	279	26	1	102	46														
1969	273	204		162	174					33	45	105														
1970		160	325	32	211	318	133	56	17																	

Precipitation		STATION		Nysaake		CATCHMENT AREA		sq km		RIVER, IN THE BASIN OF		ELEVATION		m		UNIT		mm		S		W		ANNUAL	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.													
1952		11	545	52	17	250	256	371	252	74	95	279													
1953	159	235	257	204	27	219	240	183	130	30	128	301													2,113
1954	225		197	20	74	185	429	175	135	60	89	367													
1955	190	249	307	19	71	345	229	480	220	171	141	312													2,734
1956	194	355	200	24	37	274		344	268	155	304	558													
1957	553	447	404	315	367	433	359	1,503	379	278	286	280													5,584
1958	267	367	218	465	352		294			340	236	268													
1959	322	221	297	311								294													
1960						300																			

Precipitation													STATION	Pine town	CATCHMENT AREA	sq km						
RIVER IN THE BASIN OF													ELEVATION				m	UNIT	mm	S	W	*
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL									
1952		270	236	23	759	402	415	228	87	75	16	84										
1953	111	438	380	186	24	253	164	48	76	120	101	176	2,077									
1954	165	247	208	55	148	485	424		26	44	89	199										
1955	170	296	341	255	181	336	427	110	41	17	211	166	2,551									
1956	201	211	196	60	84	416	350	165	185	17	29	174	2,088									
1957	150	165	211	142			361	127	180													
1958	242	122	114	27	45	364	266	252	108		128	160										
1959	230	291	450	190	58	364	619		123	37	115	309										
1960	336	380	450	88	164	465	75	118	18	18	82	216	2,410									
1961	298	173	293	220	6	471	274	221		25	110	310										
1962	165	156	588	65	108	309		274	48			193										
1963	283	226	238	693		594	375	220		38	37	195										
1964	101	323	194	191	162	375	342	129		149	77											
1965	405	429	214			367	283	101			164											
1966	215	286	672		207	193	697	123														
1967	318	374	379	97	127	436		125	130	69		268										
1968	440				286		350	210	208	43	29	292										
1969	267	427		179	209					4	108	195										
1970	293	397		58	217	670	290	150	65													

Precipitation													STATION	Zia town	CATCHMENT AREA	sq km						
RIVER IN THE BASIN OF													ELEVATION				m	UNIT	mm	S	W	*
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL									
1952			300	93	36	365	241	113	74	3	48	291										
1953	101	399	383	758	53	187	230	79	121	27	129	70	2,537									
1954	230	296	240		142	318	335	99		71	23	85										
1955	197	330	406	166	90	490	309	123	138	32	154	195	2,630									
1956	339	145	146	53	106	232	403	74	132	10	98	231	1,969									
1957	248	294	241	129	335	326	373	168	80	141	97	150	2,582									
1958	275	309	329	22	74	289	150	220	205	38	152	195	2,258									
1959	38	373	179	222	53	396	263		95	5	94	130										
1960	105	190	278	66	111	396	288	125	121													

Precipitation													STATION	Zwedru	CATCHMENT AREA		sq km			
RIVER IN THE BASIN OF													ELEVATION		m	UNIT	mm	S	W	*
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1959										15	51	159								
1960	132			66	203	317		96	83	26	21	67								
1961	342	131		138	9	379	255	86		0	95									
1962	145	113	399	100	172	227	149	239	55											
1963		146	339	752	296	426	404		49	27	20									
1964		311	267	191	304	522	215	315		41		99								
1965			321	128	125		159	92			28	211								
1966		106		325	315	162	320	65	60		87	65								
1967	238	117	300	57	112	424	281		14	8		80								
1968	195		208		273		360	188	287	29	36	119								
1969	235	357		206	111					34	50	113								
1970	166	170	236	20	85	359	85	48												

Precipitation													STATION	Chiebn	CATCHMENT AREA		sq km			
RIVER IN THE BASIN OF													ELEVATION		m	UNIT	mm	S	W	*
YEAR	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1952			285	142	47	511	-	124	41	0	107	131								
1953	80	278	272	389	43	222	207	37	-	41	152	149								
1954	297	221	180	61	119	371	297	140	18	47	19	154	1,914							
1955	196	320	327	142	148	402	359	118	53	7	146	89	2,307							
1956	229	120	184	121	80	359	272	80	152	4	21	110	1,732							
1957	164	210	312	237	187	353	533	123	132	62	32	66	2,411							
1958	225	154	79	47	104	230	290	281	58	23	60	125	1,676							
1959	128	306	242	284	112	461	240	-	94	15	51	159								
1960	46	230	281	66	203	306	496	94	83											

Precipitation		STATION Greenville											CATCHMENT AREA	sq. mi.			
RIVER IN THE BASIN OF		ELEVATION											m	UNIT	S	W	*
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL				
1951											34	137					
1952	80	592	1,066	382	33	1,001	777	308	115	84	53	144	4,635				
1953	293	829	626	735	125	611	994	192	-	182	294	236					
1954	10	359	421	452	43	492	688	136	161	178	177	252	2,369				
1955	230	492	951	202	106	766	868	366	489	103	104	279	4,956				
1956	305	487	440	125	77	825	802	372	645	101	92	208	4,479				
1957	173	542	1,529	212	386	383	1,099	468	259	373	239	205	5,868				
1958	348	1,109	346	58	69	229	185	504	120	95	63	229	3,355				
1959	160	364	696	253	413	-	801	264	205	87	133	376					
1960	170	663	1,280	296	179	615	777	326	362	39	76	82	4,865				
1961	43	164	125	122	224	487	484	257	368	179	179	438	3,070				
1962	475	492	468	90	165	-	-	460	204	106	82	182					
1963	232	193	-	1,310	474	650	312	203	149	91	61	30					
1964	66	455	922	281	113	528	-	690	-	63	-	125					
1965	372	127	967	214	415	-	523	490	111	38	96	111					
1966	189	221	1,815	895	139	718	572	187	80	15	25	4	4,860				
1967	345	188	751	69	112	636	249	504	326	62	-	91					
1968	182	-	360	-	-	-	376	204	102	30	19	212					
1969	192	663	-	-	346	-	-	-	-	166	43	136					
1970	233	384	1,068	165	-	703	567	385	69								

Precipitation		STATION Sincefalls											CATCHMENT AREA	sq. mi.			
RIVER IN THE BASIN OF		ELEVATION											m	UNIT	S	W	*
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL				
1953	-	-	697	488	238	-	691	172	114	-	83	274					
1954	146	323	454	100	234	-	746	292	162	34	98	312					
1955	284	348	785	243	173	-	690	344	223	43	74	136					
1956	189	579	243	118	141	787	517	-	398	92	-	-					
1957																	
1958										28	106						

Precipitation													STATION	Buah	CATCHMENT AREA	sq. km				
RIVER, IN THE BASIN OF													ELEVATION				m	UNIT	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1952			421	125	43	-	785	507	-	51	94	191								
1953	170	273	312	207	33	225	342	115	104	102	149	288	2,320							
1954	184	236	167	44	103	259	294	267	144	27	77	243	2,045							
1955	184	206	250	248	107	-	-	282	211	53	80	169								
1956	256	277	176	46	81	418	336	207	-	89	243	339								
1957	353	231	459	128	676	453	411	459	492	144	64	249	4,119							
1958	295	276	68	-	69	159	241	459	101	41	88	94								
1959	215	304	322	110	-	-	458	234	51	19	49	332								
1960	-	392	-	107	220	478	-	554	17	56	56	124								
1961	253	305	370	39	1	283	304	224	-	167	212	200								
1962	331	366	555	174	71	284	194	-	153	53	158	206								
1963	189	202	623	802	103	479	500	154	-	23	-	134								
1964	148	358	350	138	76	178	171	89	-	76	28	52								
1965	147	352	-	61	124	195	193	137	65	1	83	234								
1966	146	279	574	530	125	372	528	287	97	38	94	81	3,151							
1967	250	197	353	785	119	308	-	184	-	-	-	94								
1968	-	-	404	-	341	-	425	-	121	-	74	120								
1969	299	222	-	173	-	-	-	-	-	276	-	-								
1970	267	309	-	-	130	-	-	-	-	-	-	-								

Precipitation													STATION	Cavalla	CATCHMENT AREA	sq. km				
RIVER, IN THE BASIN OF													ELEVATION				m	UNIT	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1927										190	19	174								
1928	183	343	519	415	205	455	312	231	87	18	99	277	3,144							
1929	256	366	404	103	72	87	261	168	116	93	160	88	2,174							
1930	88	430	411	126	46	191	160	245	96	98	54	113	2,058							
1931	118	313	190	37	156	266	425	138	113	9	153	157	2,075							
1932	60	432	490	179	33	190	319	282	125	79	78	287	2,554							
1933	216	440	552	178	189	333	195	319	167	4	75	254	2,922							
1934	62	183	234	427	204	370	541	145	115	95	39	81	2,496							
1935	194	317	336	129	85	328	485	219	126	84	198	168	2,669							
1936	200	419	357	109	29	204	287	347	264	10	133	141	2,500							
1937	161	318	473	71	107	274	459	185	72	62	94	107	2,383							
1938	208	595	305	66	22	404	178	356	77	96	197	280	2,784							
1939	111	381	405	93	123	76	68	137	166	54	53	102	1,769							
1940	290	833	266	98	244	262	282	382	151	54	36	153	3,051							
1941	226	649	365	196	207	396	366	244	180	182	85	74	3,170							
1942	119	303	448	100	35	215	275	115	135	49	158	306	2,258							
1943	317	345	223	52	135	327	366	326	183	36	82	244	2,636							
1944	53	116	902	100	171	493	391	156	130	110	177	120	2,919							
1945	108	228	258	92	97	479	346	216	164	21	9	140	2,158							
1946	172	347	238	31	31	294	648	270	83	14	134	165	2,427							
1947	264	169	558	202	446	408	358	232	82	73	126	122	3,034							
1948	201	201	254	105	115	353	228	141	105	128	69	118	2,018							
1949	78	225	777	102	121	515	362	186	98	89	127	163	2,843							
1950	229	191	763	20	19	134	397	175	132	130	115	112	2,417							
1951	52	388	416	74	111	705	1,026	340	134	39	136	306	3,727							
1952	133	330	621	145	37	430	305	370	221	108	92	236	3,028							
1953	117	541	360	294	27	172	335	182	155	79	181	243	2,686							
1954	233	316	342	22	97	457	509	317	177	105	158	308	3,041							
1955	165	456	669	33	98	488	452	294	159	167	119	115	3,215							
1956	179	381	104	53	44	336	421	378	214	89	158	221	2,572							
1957	190	205	686	67	166	129	370	383	119	135	90	165	2,705							
1958	348	672	98	12	56	118	144	119	394	52	140	163	2,316							
1959	114	463	291	141	176	672	449	150	418	-	-	-								

Precipitation													STATION	Harper	CATCHMENT AREA	sq. km					
RIVER IN THE BASIN OF													ELEVATION				in	UNIT	mm	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1954	168	442	636	244	61	339	430	470	199	227	124	324	3,664								
1955	228	1,133	1,483	324	234	439	323	115	482	136	249	77	5,223								
1956	85	364	66	142	20	258	305	464	410	231	119	118	2,582								
1957	83	417	534	22	172	57	263	320	363	213	83	216	2,743								
1958	565	428	69	-	55	78	139	267	220	14	14	-									
1959	183	475	388	1	37	-	331	71	55	71	74	115									
1960	42	61	468	147	96	234	299	285	288												

APPENDIX - B

2. Monthly Discharge

MONTHLY DISCHARGE													STATION	KAWILAHUN	CATCHMENT AREA	6,420	sq. km					
WOHO													RIVER IN THE BASIN OF		MANO RIVER	ELEVATION	m	UNIT	m ³ /s-d	N	7°20'55" W	11° 08' -15"
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL									
1958	-	-	-	-	-	18,403	15,995	13,837	7,421	3,421	1,791	1,522										
1959	1,529	4,400	8,045	13,406	12,916	18,264	12,251	9,216	4,148	2,093	1,540	682	88,490									
1960	1,881	4,120	6,627	7,161	18,259	19,050	11,780	8,670	3,240	1,423	717	567	83,495									
1961	819	2,496	4,587	9,297	10,633	15,345	11,492	5,346	3,072	1,259	580	741	65,667									
1962	1,809	1,867	8,172	9,136	14,039	17,763	15,247	12,111	4,783	2,496	2,700	1,795	91,918									
1963	1,167	2,414	8,874	7,881	13,147	15,173	23,333	10,523	4,802	2,414	2,151	2,069	93,948									
1964	2,392	2,443	5,288	6,817	14,211	17,094	12,744	7,376	5,493	2,990	1,765	1,637	80,250									
1965	1,250	2,615	6,207	11,075	10,845	20,102	16,370	9,326	4,630	2,328	-	-										
1966	-	2,069	2,726	11,305	9,780	20,074	18,297	10,022	4,658	2,443	-	-										
1967	2,782	2,472	3,088	14,010	14,614	18,877	20,139	9,353	4,371	2,357	2,016	-										
1968	2,921	4,716	11,219	10,499	17,146	-	-	-	-	-	-	-										
Mean	1,839	2,961	6,483	10,059	13,559	18,015	15,765	9,578	4,662	2,322	1,658	1,288	88,189									

MONTHLY DISCHARGE													STATION	BOLAHUN	CATCHMENT AREA	795	sq. km					
ZELIBA													RIVER IN THE BASIN OF		MANO RIVER	ELEVATION	m	UNIT	m ³ /s-d	N	8° 12' -55" W	10° 07' -45"
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL									
1958	-	-	-	-	-	1,974	1,714	1,497	791	360	185	155										
1959	156	465	858	1,435	1,383	1,959	1,302	1,026	484	229	157	164	9,618									
1960	237	425	552	939	1,851	1,953	1,262	969	566	229	123	115	9,201									
1961	138	214	294	862	1,076	1,638	1,011	579	270	158	129	127	6,496									
1962	147	192	546	1,070	1,504	1,905	1,634	1,623	781	353	283	214	10,252									
1963	144	251	450	840	1,407	1,626	2,505	1,125	508	251	223	214	9,544									
1964	249	254	561	725	1,522	1,833	1,364	786	583	313	182	167	8,539									
1965	126	273	660	1,184	1,159	2,157	1,755	996	490	242	-	-										
1966	-	214	285	1,209	1,045	2,155	1,962	1,071	493	254	-	-										
1967	291	257	324	1,500	1,566	2,025	2,161	999	462	245	209	-										
1968	306	499	1,200	1,122	1,838	-	-	-	-	-	-	-										
Mean	199	304	573	1,089	1,435	1,923	1,667	1,067	541	263	186	165	9,412									

MONTHLY DISCHARGE													STATION	BOLAHUN	CATCHMENT AREA	104	sq. km			
MANO RIVER IN THE BASIN OF													MANO RIVER	ELEVATION	m	UNIT	m ³ /s-d	N	8° 14' - 00"	10° 09' - 50"
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1958	-	-	-	-	-	236	178	139	60	33	20	18								
1959	15	60	78	124	124	230	151	88	45	24	15	20	974							
1960	17	44	62	86	147	156	125	92	62	23	15	12	841							
1961	26	47	64	121	115	177	105	57	34	19	17	22	804							
1962	30	37	72	143	149	177	112	144	53	34	28	22	1,001							
1963	15	53	51	59	149	156	205	66	31	19	12	25	841							
1964	15	31	66	74	140	-	-	-	-	-	-	-								
Mean	20	45	66	101	137	189	146	98	48	25	18	20	913							

MONTHLY DISCHARGE													STATION	NEW HOPE	CATCHMENT AREA	10,650	sq. km			
LOFA RIVER IN THE BASIN OF													LOFA RIVER	ELEVATION	m	UNIT	m ³ /s-d	N	6° 44' - 00"	10° 58' - 15"
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1958	3,360	3,813	4,980	4,309	6,417	18,480	15,097	11,670	6,355	3,689	2,492	1,798	82,460							
1959	2,190	5,766	8,310	16,151	10,323	25,230	11,718	8,340	5,053	5,053	1,566	1,559	101,259							
1960	2,391	3,930	7,650	9,455	24,986	30,750	17,732	10,920	7,378	4,588	921	784	121,485							
Mean	2,647	4,503	6,980	9,971	13,908	24,820	14,849	10,310	6,262	4,443	1,659	1,380	101,732							

GAGING HEIGHT		STATION					CATCHMENT AREA						
LOFA		RIVER, IN THE BASIN OF					LOFA RIVER						
		ELEVATION					UNIT						
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
73	-	1.06	1.32	1.53	2.36	2.59	2.11	1.67	1.15	-	-	-	
74	-	-	-	-	-	-	-	2.02	1.42	1.09	-	-	

MONTHLY DISCHARGE		STATION					CATCHMENT AREA						
ST. PAUL		RIVER, IN THE BASIN OF					ST. PAUL RIVER						
		ELEVATION					UNIT						
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1958	3,000	7,806	9,792	6,674	11,947	38,073	32,020	26,520	13,073	7,437	3,900	4,008	164,250
1959	3,828	14,936	20,994	26,812	21,285	42,396	20,482	17,553	8,736	3,528	2,155	3,119	185,824
1960	5,451	7,921	13,050	18,222	38,403	41,682	28,350	17,964	10,112	4,139	1,842	1,569	188,705
1961	2,841	6,389	11,124	21,756	27,113	42,273	30,966	16,074	7,620	3,559	1,840	2,359	173,914
1962	5,178	10,512	17,682	25,085	35,042	41,772	31,769	27,261	13,491	6,845	5,328	6,836	226,801
1963	5,127	11,300	15,528	29,332	41,540	43,077	46,175	28,383	12,707	6,482	2,842	3,661	246,154
1964	3,111	7,508	15,888	21,725	40,365	47,499	32,175	20,181	13,718	7,753	4,197	4,002	218,122
1965	5,052	8,265	17,151	31,155	28,687	41,343	36,093	17,136	8,699	4,163	2,055	2,455	202,254
1966	4,389	5,689	13,248	16,560	39,007	40,884	29,450	18,000	9,300	7,595	2,352	2,852	189,326
1967	4,995	6,448	9,078	17,329	29,622	42,300	45,012	17,760	11,625	9,579	5,510	5,704	198,962
1968	7,428	9,920	25,260	23,994	34,844	50,520	31,465	22,620	15,066	8,804	5,600	5,084	240,605
1969	5,940	4,123	7,980	15,438	31,341	29,880	30,721	26,400	13,330	6,510	3,444	5,270	180,377
1970	6,480	6,510	10,920	9,951	20,677	28,860	17,484	10,860	5,890	3,038	2,520	3,286	126,476
1971	2,220	4,712	9,090	11,935	21,142	31,560	40,982	13,050	18,631	9,021	4,843	2,604	169,790
Mean	4,646	8,003	14,056	19,712	29,644	40,151	32,367	19,983	11,571	6,318	3,459	3,772	193,682

MONTHLY DISCHARGE													STATION	GWEYIE	CATCHMENT AREA	10,790	sq. km		
ST. PAUL RIVER IN THE BASIN OF													ST. PAUL RIVER	ELEVATION	m	UNIT	m ³ /s-d	N 7° 20' -45" W 5° 29' -50"	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL						
1958	1,500	3,875	4,800	3,317	6,879	30,201	15,872	13,260	6,572	3,720	1,952	2,006	93,954						
1959	1,914	7,468	8,559	12,902	9,750	21,198	12,605	11,733	7,663	1,764	1,047	1,559	98,162						
1960	2,778	4,656	6,429	8,832	19,201	20,841	14,176	8,982	5,056	2,071	708	784	94,514						
1961	1,422	3,196	5,562	10,878	11,358	18,624	12,347	7,692	4,058	1,848	921	1,163	79,069						
1962	3,726	5,062	8,100	12,881	12,543	16,731	14,679	13,026	7,846	4,303	3,797	4,325	107,019						
1963	3,609	3,729	8,367	22,019	19,598	21,003	22,689	12,294	6,795	3,751	1,853	2,768	128,475						
1964	2,040	2,108	6,384	9,908	19,823	23,751	15,441	9,690	7,285	4,799	3,018	3,140	107,387						
1965	2,667	4,628	8,577	15,562	14,607	22,365	14,697	8,865	5,162	2,099	1,299	2,052	102,580						
1966	2,904	3,419	5,796	7,437	15,463	18,906	16,870	9,786	4,982	3,835	1,182	1,423	92,003						
1967	1,596	3,221	4,524	8,665	10,881	21,156	22,518	8,895	5,825	4,799	2,749	2,868	97,697						
1968	3,708	4,960	12,243	11,991	17,416	25,272	15,736	11,310	7,536	4,399	2,794	2,548	119,913						
1969	2,979	2,065	4,035	7,738	15,671	14,943	15,357	13,206	6,662	3,267	1,722	2,641	90,286						
1970	3,249	3,277	5,457	4,976	10,683	14,439	8,742	5,433	2,942	1,522	1,252	1,637	63,609						
1971	1,119	2,368	4,548	5,977	10,580	15,771	20,491	6,531	9,328	4,517	2,424	1,308	84,962						
Mean	2,515	3,859	6,742	10,220	13,890	20,372	15,873	10,050	6,265	3,335	1,908	2,159							

MONTHLY DISCHARGE													STATION	GRAKWELE	CATCHMENT AREA	5,357	sq. km		
VIA RIVER IN THE BASIN OF													ST. PAUL RIVER	ELEVATION	m	UNIT	m ³ /s-d	S W	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL						
1958	354	918	1,287	784	2,173	12,447	6,126	5,004	2,040	880	462	474	32,949						
1959	453	2,434	2,946	4,821	3,435	8,490	4,690	4,335	2,517	415	247	369	35,152						
1960	657	1,197	2,004	3,032	7,586	8,334	5,379	3,126	1,373	490	216	183	33,577						
1961	336	756	1,623	3,931	4,142	7,362	4,576	2,559	961	437	216	273	27,172						
1962	882	1,376	2,739	4,811	4,662	6,528	5,599	4,902	2,598	1,042	902	1,051	37,092						
1963	855	2,068	2,856	8,826	7,762	8,406	9,120	4,581	2,136	887	438	654	48,589						
1964	483	843	1,983	3,503	7,890	9,612	5,937	3,435	2,353	1,259	714	744	38,756						
1965	630	1,184	2,946	5,989	5,568	9,003	5,608	3,075	1,420	496	305	484	36,708						
1966	687	809	1,725	2,418	5,946	7,485	6,563	3,477	1,339	908	280	335	31,972						
1967	378	763	1,167	2,957	3,931	8,472	9,043	3,087	1,711	1,259	650	679	34,097						
1968	876	1,330	4,557	4,421	6,801	10,281	6,064	4,149	2,461	1,085	661	601	43,287						
1969	705	487	954	2,548	6,036	5,745	5,899	4,980	2,077	772	406	623	31,232						
1970	768	775	1,575	1,336	3,844	5,523	2,992	1,566	694	360	294	388	20,115						
1971	264	561	1,176	1,776	3,801	6,108	8,153	2,049	3,249	1,135	574	310	29,156						
Mean	595	1,107	2,110	3,654	5,256	8,128	6,125	3,595	1,924	816	455	512							

MONTHLY DISCHARGE													STATION	BELLEVUE	CATCHMENT AREA	755					
TUMA													RIVER IN THE BASIN OF		ST. PAUL RIVER ELEVATION		sq km	UNIT	m ³ /s-d	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1958	66	171	210	146	304	2,538	1,119	879	288	164	84	87	6,056								
1959	84	329	417	831	521	1,656	800	729	338	78	44	68	5,895								
1960	120	205	282	431	1,448	1,620	955	459	223	90	39	34	5,906								
1961	60	140	246	632	679	1,404	775	339	177	81	39	50	4,622								
1962	162	223	372	828	794	1,218	1,004	855	344	189	165	189	6,343								
1963	159	291	399	1,726	1,485	1,638	1,789	783	298	164	81	121	8,932								
1964	90	155	282	536	1,513	1,905	1,079	528	319	211	132	136	6,886								
1965	117	205	120	1,091	995	1,770	1,004	447	226	90	73	90	6,228								
1966	126	149	255	329	1,079	1,431	1,218	537	220	167	50	62	5,623								
1967	69	140	198	415	632	1,653	1,770	450	257	211	119	124	6,038								
1968	162	217	780	741	1,271	2,055	1,107	687	332	192	123	112	7,779								
1969	129	90	177	341	1,101	1,044	1,070	873	295	143	76	115	5,454								
1970	141	143	240	217	611	993	422	240	127	65	53	71	3,323								
1971	48	102	201	264	601	1,125	1,572	270	481	198	104	56	5,022								
Mean	110	183	299	609	931	1,575	1,120	577	280	146	84	94									

MONTHLY DISCHARGE													STATION	OWENSGROVE	CATCHMENT AREA	2,750								
FARMINGTON													RIVER IN THE BASIN OF		FARMINGTON RIVER		ELEVATION	sq km	UNIT	m ³ /s-d	N	6°24'-20"	10°	23'-05"
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL											
1955	-	-	-	-	-	-	-	-	-	-	871	1,307												
1956	2,324	2,540	5,946	6,238	2,452	5,377	6,020	2,954	2,212	1,222	729	986	39,000											
1957	1,274	2,243	3,843	982	5,475	10,715	8,637	4,630	4,126	1,506	974	1,325	45,730											
1958	1,494	1,339	1,285	968	2,223	5,244	5,220	4,602	2,803	1,204	906	1,885	29,173											
1959	1,413	3,969	4,111	6,952	5,352	10,041	7,136	3,978	2,572	1,167	824	1,187	48,680											
1960	2,005	3,976	7,441	6,004	7,496	7,934	5,056	3,432	2,159	1,080	604	1,062	48,249											
1961	1,580	3,502	4,579	7,382	-	-	-	-	-	-	-	-												
Mean	1,682	2,928	4,534	4,754	4,600	7,862	6,414	3,919	2,775	1,236	818	1,292												

MONTHLY DISCHARGE													STATION	FIRESTONE PLANTATION CO, DIVISION 22	CATCHMENT AREA	519	sq km	N	6° 24' - 20"	10° 23' - 05"
DU	RIVER IN THE BASIN OF												FARMINGTON RIVER	ELEVATION	m	UNIT	m ³ /s-d			
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1958	-	-	-	-	-	1,373	1,540	1,115	655	-	151	359								
1959	188	910	782	3,065	2,132	1,691	698	661	431	244	101	409	11,312							
1960	493	246	1,033	999	1,364	3,196	1,849	636	517	292	159	195	10,979							
1961	264	476	1,732	2,279	-	-	-	-	-	-	-	-								
Mean	315	544	1,182	2,114	1,748	2,087	1,362	804	534	268	137	321								

MONTHLY DISCHARGE													STATION	PLENO	CATCHMENT AREA	187	sq km	N	6° 36' 45"	10° 25' 50"
DU	RIVER IN THE BASIN OF												FARMINGTON RIVER	ELEVATION	m	UNIT	m ³ /s-d			
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL							
1958	-	61	58	29	90	375	391	140	62	57	57	-								

MONTHLY DISCHARGE		STATION		MT. FINLEY		CATCHMENT AREA		16,930		sq. km		N	
ST. JOHN		RIVER IN THE BASIN OF		ST. JOHN RIVER		ELEVATION		m		UNIT		m ³ /s-d	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1957	-	-	-	-	19,050	43,150	45,880	16,790	-	4,417	-	-	
1958	4,484	3,264	3,643	2,503	-	-	-	-	-	-	-	-	

MONTHLY DISCHARGE		STATION		ST. JOHN FALLS		CATCHMENT AREA		11,370		sq. km		N	
ST. JOHN		RIVER IN THE BASIN OF		ST. JOHN RIVER		ELEVATION		m		UNIT		m ³ /s-d	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1958					1,914	13,919	18,327	10,118	4,978	1,909	1,237	1,538	
1959	1,268	5,812	10,800	23,472	9,086	37,772	28,997	9,365	5,081	1,986	1,120	1,828	136,587
1960	3,971	5,416	6,821	5,942	24,666	42,645	21,155	9,344	4,809	1,869	951	1,000	128,589
1961	1,902	4,520	6,362	8,005	5,091	23,700	17,029	5,946	3,248	1,317	793	1,317	79,230
1962	5,267	29,230	40,349	24,226	21,944	62,148	33,092	29,051	6,671	3,336	3,885	1,843	261,042
1963	2,463	4,477	8,240	21,417	45,647	55,897	49,246	23,275	5,442	2,282	1,067	1,229	220,689
1964	1,614	7,198	21,151	15,800	51,616	61,504	16,678	7,815	4,740	2,194	1,506	966	192,782
1965	2,124	4,477	10,448	35,462	8,602	55,218	48,456	8,070	3,336	1,580	951	1,229	179,953
1966	2,124	2,897	6,031	13,166	45,208	62,863	66,714	10,873	4,301	2,107	951	1,229	218,464
1967	2,803	3,950	2,463	5,091	5,530	34,488	44,066	5,691	2,458	1,404	903	1,580	110,427
1968	3,483	7,373	32,959	43,049	89,538	81,552	64,959	30,495	19,223	3,072	951	3,248	379,902
1969	3,398	-	-	-	-	-	-	-	-	-	-	-	
1970		12,552	19,877	30,985	58,989	93,446	34,233	15,290	15,185	1,931	1,110	1,053	
1971	1,529	4,915	-	-	28,088	69,659	24,314	3,823	3,823	-	-	-	
Mean	2,662	7,734	15,049	20,601	30,455	53,447	35,943	13,012	6,407	2,082	1,285	1,505	

MONTHLY DISCHARGE		STATION		BAILA		CATCHMENT AREA		3,860		sq. km		ELEVATION	
ST. JOHN		RIVER IN THE BASIN OF		ST. JOHN RIVER		ELEVATION		m		UNIT		m ³ /s-d	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1958	-	-	-	-	-	9,811	6,513	5,229	2,998	1,527	-	1,264	
1959	807	2,423	3,381	6,443	3,871	7,093	6,179	4,477	2,317	1,018	539	602	39,150
1960	1,393	1,440	1,427	2,230	7,602	10,110	6,654	4,154	2,730	1,132	495	461	39,828
1961	917	1,352	1,546	2,238	3,248	7,926	4,740	2,752	1,448	793	983	736	28,679
1962	1,121	2,563	4,545	5,275	7,031	9,854	7,365	6,176	2,967	1,826	1,625	1,650	51,998
1963	1,240	3,230	2,769	5,793	10,010	12,230	12,600	6,286	2,984	1,756	1,150	1,668	68,716
1964	1,444	2,458	3,589	3,906	8,339	10,580	6,057	4,502	3,511	2,063	1,506	1,361	49,816
1965	1,232	1,931	3,398	6,934	5,442	11,030	14,760	4,502	2,504	1,604	872	1,053	52,460
1966	1,402	1,580	4,120	5,793	11,590	11,210	11,670	5,522	2,984	1,756	813	658	59,098
1967	1,232	1,887	2,888	4,038	6,934	5,267	15,270	4,757	3,028	1,975	903	1,229	49,408
1968	1,656	2,458	5,776	6,671	12,070	14,270	11,810	4,502	3,336	1,975	991	1,668	67,183
1969	637	966	2,718	6,671	12,070	14,270	11,850	4,460	3,336	1,975	991	1,668	61,612
1970	637	966	2,718	6,671	-	-	-	-	-	-	-	-	-
1973	-	4,389	6,966	8,076	12,820	-	13,910	-	3,292	-	-	-	-
Mean	1,143	2,126	3,526	5,441	8,419	10,338	9,721	4,777	2,879	1,600	988	1,168	

MONTHLY DISCHARGE		STATION		YASNO		CATCHMENT AREA		1,040		sq. km		ELEVATION	
YA		RIVER IN THE BASIN OF		ST. JOHN RIVER		ELEVATION		m		UNIT		m ³ /s-d	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL
1958	-	-	-	-	-	1,038	972	775	401	155	75	55	
1959	42	269	722	1,485	834	1,592	1,185	710	410	120	44	-	
1960	178	165	321	608	2,179	2,612	1,525	671	483	163	61	55	9,021
1961	94	120	240	685	-	-	-	-	-	-	-	-	
Mean	104	185	428	926	1,507	1,747	1,227	719	431	146	60	55	

MONTHLY DISCHARGE												STATION	SAWOLO	CATCHMENT AREA		4,580	sq km	
CESTOS RIVER, IN THE BASIN OF CESTOS RIVER												ELEVATION	m	UNIT	m ³ /s-d	N	6°26'25" W	8°37'55" E
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL					
1958	-	-	-	-	-	-	8,146	2,809	3,388	-	-	395						
1959	390	351	2,056	5,424	3,950	5,349	-	-	-	-	-	-						
1960	* 878	* 902	*2,139	*2,293	*3,825	*3,806	*3,143	*2,868	*1,567	* 744	* 415	* 398	*22,273					
1961	-	-	-	2,370	1,404	3,355	2,984	1,682	632	526	396	491						
1962	671	1,632	2,956	4,029	3,291	4,417	3,634	2,675	1,562	1,132	872	1,158	28,029					
1963	726	1,764	2,030	3,195	4,512	4,553	5,530	2,977	1,650	912	377	588	28,814					
1964	407	1,597	2,752	2,405	3,748	4,774	3,265	2,085	1,698	983	772	491	24,977					
1965	764	2,058	2,854	3,081	3,335	4,256	4,248	3,123	1,141	772	309	368	26,309					
1966	853	2,062	2,939	3,449	3,879	4,417	4,942	2,395	1,457	930	531	474	28,328					
1967	866	991	1,061	1,746	1,667	4,281	4,406	1,749	1,193	544	500	557	19,561					
1968	1,155	2,256	2,739	3,116	4,275	5,063	3,563	2,641	1,875	1,220	713	1,027	29,643					
1969	943	895	2,234	1,694	2,054	2,973	4,275	4,723	2,931	324	1,696	1,738	26,471					
1970	1,783	2,054	3,126	2,317	2,852	5,029	2,335	1,435	807	351	482	333	22,904					
1971	361	614	3,722	1,790	2,137	2,616	2,422	1,019	912	333	491	373	16,790					
1972	501	991	2,344	2,071	2,141	3,610	2,984	1,529	-	421	237	368						
1973	318	1,676	730	1,518	2,207	3,720	2,914	1,537	535	-	-	-						
Mean	748	1,457	2,384	2,728	2,960	4,175	3,974	1,412	1,521	704	614	643						

* gives estimated run-off of the St. John River which was obtained from cumulative correlations with run-off observed at Sawolo Gaging Station.

(June - Nov.) Y = 0.192 X + 1,865
(Dec. - May) Y = 0.5155X + 140

GAGING HEIGHT												STATION	SEHNKWEHN	CATCHMENT AREA		4,330	sq km
SEHNKWEHN RIVER, IN THE BASIN OF SEHNKWEHN RIVER												ELEVATION	m	UNIT	ft	S	W
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	JAN.	ANNUAL				
1959	1.81	3.07	3.52	2.61	2.09	2.55	2.21	2.84	2.42	2.75	2.47	2.23					
1960	2.33	2.76	3.03	2.27	2.12	2.65	-	2.49	2.20	2.46	1.81	1.88					
1961	2.00	1.85	2.31	2.02	2.09	1.96	2.15	2.11	2.10	2.11	2.13	2.05					
1962	2.25	2.78	2.54	2.36	2.02	-	-	-	-	-	2.52	2.36					
1963	-	2.10	3.05	2.82	2.37	2.57	-	2.37	2.20	-	-	2.27					
1964	2.29	2.87	2.99	-	2.32	2.71	-	-	-	2.28	-	2.59					
1965	-	2.60	3.05	-	3.03	-	3.32	2.82	-	2.29	2.31	2.30					
1966	2.91	-	2.77	2.91	8.26	3.12	3.07	2.81	-	2.42	2.27	2.39					
1967	2.70	2.70	2.83	2.54	2.82	-	2.62	2.68	2.58	-	-	2.47					
1968	2.68	2.72	2.71	-	3.37	3.30	2.92	2.76	-	2.45	-	2.45					
1969	2.56	2.79	3.11	2.76	2.61	2.58	3.14	2.69	2.55	2.53	-	2.78					
1970	2.71	2.86	3.23	2.44	2.99	2.63	3.01	-	-	2.61	-	2.39					
1971	2.41	2.58	-	-	2.91	2.85	-	-	2.51	2.47	-	-					
1972	-	-	-	4.49	2.84	-	-	-	-	2.30	2.60	2.60					
1973	2.60	2.90	3.00	2.90	2.60	2.90	2.70	2.60	2.05	2.60	-	-					

MONTHLY DISCHARGE		STATION		NYAARE		CATCHMENT AREA		12,610		sq-km		ELEVATION		m		UNIT		m ³ /s-d		N 4°51'00"W 7°35'-30"	
YEAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	ANNUAL								
1958	-	-	-	-	-	-	22,705	28,373	-	-	-	-									
1959	-	-	-	-	-	-	-	-	-	-	-	-									
1960	12,878	6,434	7,720	6,286	15,134	29,560	29,016	16,888	6,912	5,122	3,087	5,941	144,978								

