APPENDIX III 水文気象データ

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III – 1. MONTHLY AVERAGE RUN-OFF

	Gauging Station	Catchment Area (km^2)	Recording Period
(1)	Julumito	939.0	Jan. 1962 – Dec. 1971
(2)	Malvasa	35.0	May. 1961 – Dec. 1971
(3)	Rio Mondomo	185.0	Oct. 1953 – Sep. 1967
(4)	Rio Ovejas	640.0	Jun. 1964 – Jan. 1968
(5)	Rio Jamundi	98.0	Apr. 1962 – Sep. 1968
(6)	Salvajina	3,830.0	Feb. 1946 – Sep. 1968

(1) Gauging Station: Julumito — Catchement Area (km^2): 939.0

(Unit: m^3/sec)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1962	19.9	17.0	28.5	24.2	21.9	29.0	49.0	47.6	20.5	19.2	21.8	16.5	26.4
1963	22.3	26.4	22.9	23.4	21.2	25.4	18.9	20.3	19.8	18.4	46.3	18.9	23.6
1964	14.9	15.1	13.1	20.8	19.2	22.4	22.8	40.0	23.1	31.1	22.0	32.2	23.1
1965	23.7	31.3	18.1	26.8	35.2	28.7	25.1	26.5	16.8	18.5	37.7	25.7	26.1
1966	17.7	15.5	24.0	22.3	17.9	19.4	24.7	20.4	17.4	19.2	31.4	41.9	22.7
1967	28.0	22.4	23.7	32.1	20.0	33.1	44.9	39.2	18.4	18.4	24.9	16.4	26.8
1968	19.9	15.3	21.2	23.3	17.8	24.6	32.8	16.0	15.3	26.9	39.1	24.2	23.1
1969	26.6	27.9	17.3	40.3	23.5	28.2	31.9	26.4	18.8	28.2	31.6	25.8	27.2
1970	23.0	30.4	27.9	20.5	25.7	31.5	25.8	26.1	24.1	24.1	43.0	25.5	27.3
1971	38.3	29.6	26.5	36.1	28.9	23.0	26.9	20.7	19.8	21.0	27.9	21.5	26.7
Average	23.4	23.0	22.3	27.0	23.1	26.5	30.3	28.3	19.4	22.5	32.6	24.9	25.3

Note; Figures underlined were estimated by a hydraulic analyses.

(2) Gauging Station: Malvasa — Catchment Area (km^2): 35.0

(Unit: m^3/sec)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1961	–	–	–	–	2.0	7.0	8.3	6.2	1.6	2.9	3.6	1.7	–
1962	1.39	1.07	2.21	1.81	4.25	5.59	10.70	8.29	3.27	2.65	3.06	2.03	3.89
1963	1.64	2.04	1.71	1.76	3.32	4.69	2.30	3.39	3.06	1.84	5.78	2.48	2.83
1964	0.84	0.86	0.63	1.94	2.79	4.91	4.71	5.99	4.54	7.82	3.20	4.40	3.50
1965	4.35	2.01	1.45	2.74	6.08	6.52	5.08	3.84	1.63	5.24	8.85	3.91	4.15
1966	1.14	0.91	1.49	1.46	1.18	1.90	4.13	5.07	3.50	1.97	5.36	16.16	3.72
1967	2.22	1.65	1.80	2.73	2.26	11.38	8.96	8.80	1.89	1.87	3.48	2.01	4.10
1968	1.38	1.47	1.62	2.99	3.98	13.57	19.44	8.78	1.78	1.93	3.66	3.54	5.37
1969	1.79	1.32	0.91	4.26	3.55	4.89	7.10	3.28	1.65	4.05	2.32	1.32	3.05
1970	1.25	2.71	1.86	2.53	5.43	6.76	4.09	5.65	4.61	4.19	6.27	2.78	4.01
1971	3.17	2.17	2.84	3.30	6.87	2.46	5.63	4.11	3.02	2.60	3.60	1.98	3.49
Average	–	–	–	–	3.79	6.33	7.31	5.76	3.69	3.30	4.47	3.85	3.79
*1 Average of 10 years	–	–	–	–	3.97	6.27	7.21	5.72	2.90	3.14	4.56	4.06	–

Note: *1 From 1962 to 1971

(3) Gauging Station Catchment Area (km^2)
Rio Mondomo (Corretera) 185.0

(Unit: m^3/sec)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1953	–	–	–	–	–	–	–	–	–	6.6	5.5	6.4	–
1954	9.3	9.0	6.0	4.3	3.6	3.5	9.0	14.5	19.4	14.8	7.6	10.7	9.3
1955	12.0	9.2	7.0	6.2	3.1	3.0	5.3	8.0	13.6	22.5	13.1	7.9	9.2
1956	6.1	6.6	5.7	3.5	2.7	2.2	5.8	5.1	8.1	8.0	4.7	6.5	5.4
1957	6.2	9.7	7.1	4.5	3.2	2.8	3.2	3.4	4.1	3.8	3.5	2.8	4.5
1958	5.8	5.5	2.8	2.3	2.5	1.9	2.4	14.8	7.3	5.0	3.8	4.1	4.9
1959	3.4	4.6	5.0	3.0	2.5	2.3	4.7	5.2	4.8	9.6	12.5	5.2	5.2
1960	5.6	5.4	3.9	3.0	2.5	2.7	2.2	4.6	7.3	3.7	4.5	5.8	4.3
1961	10.1	5.2	3.8	3.4	2.3	1.9	1.3	6.6	2.8	4.1	5.8	7.6	4.6
1962	5.6	8.5	5.9	3.8	3.8	3.9	4.5	7.3	15.6	6.2	7.0	8.9	6.8
1963	17.7	11.9	7.5	4.3	3.7	3.9	5.2	9.9	4.9	5.2	9.9	4.9	7.4
1964	4.7	4.8	(3.3)	9.7	6.5	6.0	3.7	3.6	4.3	3.7	5.9	8.0	5.4
1965	7.5	5.3	4.9	6.6	6.6	5.5	(3.0)	2.6	2.5	4.2	8.1	10.4	5.6
1966	5.4	3.8	3.5	4.0	5.3	4.7	3.3	2.4	1.9	3.1	7.1	15.7	5.0
1967	6.2	6.1	7.3	6.0	6.1	5.6	3.4	2.4	2.1	–	–	–	–
Average	7.5	6.8	5.3	4.6	3.9	3.6	4.1	6.5	7.1	7.2	7.1	7.5	6.0
*1. Average of 9 years	7.4	6.2	5.0	4.9	4.4	4.1	3.5	5.0	5.1	–	–	–	–

Note: *1. From 1959 to 1967

(4) Gauging Station Rio Ovejas (Abajo) — Catchment Area (km^2) 640.0

(Unit: m^3/sec)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1964	–	–	–	–	–	19.6	11.2	11.4	9.9	11.2	19.1	31.9	–
1965	21.7	14.3	12.3	18.7	21.6	12.4	(9.1)	7.3	7.3	13.2	26.6	34.5	16.6
1966	17.4	11.8	10.9	12.4	17.0	14.8	10.0	7.0	5.4	9.4	22.9	52.5	16.0
1967	20.1	19.4	24.0	19.4	19.8	17.9	10.4	7.0	5.8	8.3	21.9	16.7	15.9
1968	13.7	–	–	–	–	–	–	–	–	–	–	–	–
Average	18.2	15.2	15.7	16.8	19.5	16.2	10.2	8.2	7.1	10.5	22.6	33.9	16.2

(5) Gauging Station Rio Jamundi (Ferro carril) — Catchment Area (km^2) 98.0

(Unit: m^3/sec)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1962	–	–	–	7.9	15.9	7.0	4.2	2.9	2.9	5.0	8.4	9.2	–
1963	4.1	9.1	8.6	9.4	10.4	7.0	3.7	2.8	1.4	2.8	17.7	5.9	6.9
1964	4.4	5.0	5.5	12.2	7.7	19.0	6.4	3.2	5.4	8.5	15.3	12.4	8.8
1965	5.9	3.7	6.5	15.9	14.6	4.7	1.8	1.7	1.2	6.9	13.1	7.1	6.9
1966	7.0	3.7	3.3	6.4	14.3	8.2	4.9	2.7	1.8	7.0	11.8	18.2	7.4
1967	8.1	9.7	11.3	6.2	11.1	11.4	3.3	1.5	1.7	10.3	17.7	10.7	8.6
1968	5.8	8.3	9.7	9.9	8.9	7.5	3.1	2.0	5.6	–	–	–	–
Average	5.0	5.6	6.4	9.7	11.8	9.3	3.9	2.4	2.9	5.8	12.0	9.1	7.7

(6) Gauging Station Catchment Area (km)

Salvajina 3,830.0

(Unit: m^3/sec)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1945	–	–	–	–	–	–	–	–	–	100.5	217.7	197.8	–
1946	164.9	107.4	122.9	125.5	144.5	88.9	62.1	83.8	38.3	51.6	121.1	144.0	104.6
1947	128.7	106.3	74.6	61.0	72.6	94.6	94.1	77.1	73.6	211.5	254.8	139.8	115.7
1948	94.5	77.2	143.9	201.3	134.9	117.3	72.0	59.8	38.6	92.6	135.1	122.9	107.5
1949	149.1	150.6	119.6	126.5	160.1	120.9	98.0	78.8	63.5	122.4	287.9	255.8	144.4
1950	196.6	378.7	372.6	317.2	374.8	293.5	201.8	128.9	79.7	126.7	268.7	335.6	256.0
1951	224.3	207.8	184.1	130.0	145.0	124.9	118.5	72.9	65.2	90.2	201.6	199.8	147.0
1952	163.0	159.4	124.7	124.6	172.9	116.2	92.2	71.7	49.8	62.2	147.0	240.9	116.0
1953	150.8	124.8	100.0	126.9	127.9	106.1	81.6	59.1	54.2	159.8	284.1	332.3	142.3
1954	153.5	143.2	125.2	219.6	144.2	124.2	135.3	118.4	52.0	164.3	257.3	343.6	165.1
1955	233.6	122.4	210.3	213.8	193.2	164.8	147.3	92.7	84.2	181.8	259.8	340.0	187.0
1956	310.5	205.5	172.2	121.4	147.6	200.2	117.8	98.3	89.4	168.0	187.1	238.5	171.4
1957	183.5	95.7	130.9	136.1	195.6	164.9	90.4	63.6	46.2	64.5	103.6	182.0	121.4
1958	112.4	85.5	67.8	94.2	108.7	91.3	76.4	71.3	41.6	56.2	133.2	160.7	91.6
1959	138.9	83.7	62.9	77.5	119.6	127.8	104.7	59.3	52.1	87.9	128.7	175.8	101.6
1960	240.5	193.1	120.7	129.5	119.5	86.9	88.2	64.7	51.5	80.1	172.6	229.5	131.4
1961	111.1	90.9	77.7	141.8	88.8	119.1	101.2	71.7	41.9	62.3	205.6	149.1	105.1
1962	118.1	129.6	145.8	108.9	147.0	161.6	87.6	74.1	53.1	94.2	161.7	267.3	129.1
1963	121.1	218.4	152.4	227.7	209.3	132.1	93.9	82.2	49.4	59.7	213.1	153.0	142.7
1964	130.3	92.1	69.5	142.1	140.6	191.3	117.0	97.6	87.6	120.8	189.5	226.3	133.7
1965	162.5	106.0	77.7	126.5	141.6	74.1	77.4	55.4	45.0	95.1	207.9	239.7	117.4
1966	127.6	76.6	80.5	89.1	129.8	108.4	103.1	76.2	59.3	112.6	274.0	605.5	153.6
1967	195.3	199.0	187.9	132.0	137.4	160.0	120.6	91.9	50.2	76.9	246.1	164.1	146.8
1968	115.5	156.1	134.5	177.0	125.3	132.6	136.6	74.1	68.0	–	–	–	–
Average	162.0	143.9	132.9	141.3	151.3	134.8	105.1	79.3	58.0	106.2	202.5	236.7	137.8
*1 Average of 10 years	146.1	134.6	111.0	135.2	135.9	129.4	103.0	74.7	55.8	–	–	–	–

*1 From 1959 to 1968

III – 2. DAILY RUN-OFF

	Gauging Station	Catchment Area (km^2)	Recording Period
(1)	Julumito	939.0	Jan. 1962 – Dec. 1971
(2)	Malvasa	35.0	May 1961 – Dec. 1971

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	18.6	15.9	15.2	20.3	19.9	19.1	20.4	148.4	19.2	18.0	21.6	14.2	1
2	21.7	15.9	15.0	28.2	19.8	19.4	20.7	140.6	19.2	18.0	21.6	13.1	2
3	25.6	15.9	15.0	27.9	28.0	29.7	23.1	194.7	19.7	18.3	19.1	12.9	3
4	21.2	15.9	15.0	28.2	23.4	119.8	25.2	158.8	33.8	18.5	17.5	12.8	4
5	19.1	15.9	15.2	44.6	20.1	87.7	25.3	117.4	23.6	18.5	15.9	12.9	5
6	19.8	15.4	15.4	41.4	19.8	38.4	24.1	96.4	24.1	19.2	15.8	14.3	6
7	17.4	15.4	19.4	24.5	18.6	33.2	27.3	67.1	22.5	19.2	15.8	19.1	7
8	17.1	15.6	36.4	22.6	18.3	22.8	30.4	45.4	20.0	21.8	15.8	18.5	8
9	21.4	15.9	57.7	19.8	20.0	20.7	33.2	29.9	19.4	24.0	14.6	23.2	9
10	18.2	15.9	69.2	18.2	19.2	20.6	33.2	21.1	19.1	22.5	17.4	23.6	10
11	23.3	17.1	44.8	17.6	19.6	19.7	36.5	18.8	19.8	21.7	19.7	21.6	11
12	29.9	17.1	31.2	17.1	19.6	19.1	44.6	18.4	20.2	20.9	21.4	20.6	12
13	30.2	17.1	30.0	17.1	21.2	19.1	48.2	19.1	19.2	19.2	23.8	19.1	13
14	25.9	17.1	20.3	17.1	20.0	18.8	40.0	20.5	19.2	19.0	26.1	17.7	14
15	21.2	16.9	18.9	17.1	19.6	18.6	37.2	22.0	30.3	19.0	26.7	17.5	15
16	19.1	16.5	25.9	17.1	20.0	18.4	35.0	25.8	23.3	19.0	30.9	17.2	16
17	18.9	16.5	40.6	16.9	27.8	18.2	39.7	29.3	21.5	18.4	25.9	15.8	17
18	18.4	22.0	33.9	16.1	22.2	18.1	53.4	32.7	19.9	18.0	24.3	15.1	18
19	18.2	20.1	28.2	17.6	27.1	18.0	55.8	30.1	19.9	18.0	32.1	14.8	19
20	17.6	19.8	25.9	18.6	33.7	18.4	60.7	25.2	19.3	18.0	37.0	14.3	20
21	17.1	19.5	23.3	18.6	28.5	19.4	74.4	22.1	18.9	18.2	31.7	13.8	21
22	17.6	18.4	25.6	18.9	25.0	21.7	62.2	21.2	18.5	18.8	25.0	13.8	22
23	19.8	18.0	28.9	19.8	23.7	22.2	48.2	20.6	18.1	19.0	22.3	13.3	23
24	19.5	17.6	31.8	20.8	22.2	25.2	40.7	20.0	18.0	18.5	24.4	12.9	24
25	18.4	16.6	40.0	28.6	21.9	30.1	35.8	20.0	18.0	18.4	24.4	12.9	25
26	18.2	15.8	34.8	25.3	21.4	40.4	33.5	18.7	18.0	18.7	22.5	12.9	26
27	17.3	15.4	31.0	26.9	20.3	35.2	39.5	18.1	18.0	18.9	17.5	16.1	27
28	17.4	15.4	27.9	28.9	19.7	27.8	60.6	18.0	18.0	18.8	15.9	19.9	28
29	16.9		23.9	41.4	19.4	25.8	124.3	18.2	18.1	19.0	14.4	21.6	29
30	16.3		21.4	50.0	19.9	23.8	154.3	18.3	18.0	19.2	14.4	17.9	30
31	15.9		20.8		20.0		132.8	18.3		19.6		17.1	31
Sum	617.2	474.6	882.6	727.2	979.9	869.4	1,520.3	1,475.2	614.8	596.3	655.5	510.5	
Ave.	19.9	17.0	28.5	24.2	21.9	29.0	49.0	47.6	20.5	19.2	21.8	16.5	

Annual Total 9,623.5

Note: Figures from 1 Jan. to 31 Dec. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	25.9	24.8	22.6	21.2	18.1	18.0	18.3	19.7	18.6	18.4	25.4	14.1	1
2	24.5	21.7	20.5	19.5	53.6	18.1	18.5	20.0	18.5	21.1	61.6	14.0	2
3	23.9	21.7	19.5	19.5	23.6	18.1	18.8	21.5	18.7	20.2	96.1	13.8	3
4	21.7	26.3	19.5	20.8	21.2	18.0	19.2	24.5	21.1	19.0	99.3	15.1	4
5	21.7	25.3	20.0	21.7	19.6	18.0	18.7	22.1	24.5	18.8	79.3	21.2	5
6	19.8	21.7	23.6	23.3	18.8	18.6	18.5	21.1	23.7	18.3	71.0	28.5	6
7	19.5	25.0	26.9	22.0	18.5	22.8	18.3	20.4	23.0	18.2	66.8	40.3	7
8	22.7	25.6	27.9	23.3	18.8	22.9	18.2	19.2	20.3	18.2	58.6	31.3	8
9	25.9	20.5	30.7	23.0	19.0	21.9	18.1	19.2	20.0	18.1	53.2	26.4	9
10	26.2	20.9	28.6	21.2	21.6	19.2	18.0	20.4	19.6	18.1	104.0	23.2	10
11	23.7	59.6	28.2	23.0	20.6	19.0	18.0	21.9	19.7	18.1	99.4	22.9	11
12	21.3	28.2	26.3	23.3	18.8	24.9	18.0	26.3	19.4	18.1	77.2	22.3	12
13	21.7	26.4	25.0	22.3	22.0	30.8	18.0	26.0	19.4	18.1	68.8	20.0	13
14	19.8	22.6	22.6	21.7	20.8	21.1	18.1	22.8	19.2	18.0	65.9	21.0	14
15	18.2	20.9	22.6	21.4	29.9	24.5	18.3	21.3	21.3	18.0	53.7	20.3	15
16	18.2	22.6	21.4	20.3	35.8	80.3	18.5	20.6	23.3	18.0	46.1	19.7	16
17	18.2	26.2	20.5	25.0	22.1	65.9	18.2	19.8	21.8	18.1	34.1	19.1	17
18	18.4	26.6	19.4	32.7	19.1	69.5	18.1	19.2	19.6	18.1	28.5	17.5	18
19	18.2	24.2	18.9	29.2	18.5	26.6	18.0	18.8	19.8	18.0	21.6	17.1	19
20	17.8	20.9	18.9	28.6	18.4	22.8	18.0	18.6	19.4	18.0	19.1	15.8	20
21	18.2	18.4	18.9	33.5	18.2	22.1	18.0	18.4	19.2	17.9	19.1	15.4	21
22	19.2	20.5	22.4	29.3	18.1	21.1	18.2	18.4	19.0	17.9	19.1	16.2	22
23	18.4	31.0	25.6	26.0	18.1	21.1	20.7	18.1	18.3	17.9	15.8	16.6	23
24	18.9	34.4	24.5	23.3	18.1	20.5	22.4	18.0	18.3	17.8	15.8	16.2	24
25	18.6	33.9	23.9	22.0	18.1	20.2	21.1	18.0	18.3	17.8	15.8	14.9	25
26	50.0	31.0	23.3	20.9	18.2	20.2	20.4	18.5	18.2	17.8	15.2	14.4	26
27	31.8	29.9	22.7	20.9	18.2	19.2	19.9	19.2	18.0	17.8	14.9	14.1	27
28	26.2	27.0	20.8	20.8	18.2	18.8	19.2	18.9	18.1	18.8	14.4	13.8	28
29	22.1		19.5	21.2	18.6	18.6	18.8	19.6	18.1	19.6	14.1	13.8	29
30	20.3		23.3	21.7	18.3	18.4	19.9	20.0	18.1	19.1	14.1	13.8	30
31	20.3		21.7		18.1		20.0	19.2		20.0		13.8	31
Sum	691.7	737.8	710.2	702.6	659.0	761.2	584.4	629.7	594.5	571.3	1,388.0	586.6	
Ave.	22.3	26.4	22.9	23.4	21.2	25.4	18.8	20.3	19.8	18.4	46.3	18.9	

Annual Total 8,617.0

Note: Figures from 1 Jan. to 31 Dec. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	19.5	13.3	12.8	16.1	17.4	17.0	21.8	21.6	19.4	17.8	22.9	21.6	1
2	18.9	13.1	12.8	15.7	17.2	20.2	18.0	24.2	20.7	17.7	20.1	15.5	2
3	18.2	13.1	12.8	15.4	18.2	21.4	20.0	30.4	36.1	19.7	24.5	13.1	3
4	17.5	12.8	12.8	15.9	15.3	25.5	31.6	36.0	48.0	24.5	18.5	18.0	4
5	17.1	12.8	12.3	15.4	16.7	24.2	30.1	30.8	24.1	30.9	21.8	47.5	5
6	16.9	13.5	12.8	15.2	16.9	23.9	18.9	35.3	23.1	60.7	37.5	46.1	6
7	17.4	13.1	13.7	14.5	15.7	23.9	18.6	33.8	21.8	53.1	35.0	30.4	7
8	15.4	12.9	13.5	15.8	15.2	19.5	19.8	36.9	24.1	50.5	21.8	18.0	8
9	15.0	12.8	13.1	18.2	16.4	20.0	25.7	29.8	20.0	40.2	13.9	13.6	9
10	15.0	12.8	12.8	19.5	19.9	21.6	31.7	25.8	21.6	37.6	15.3	28.7	10
11	15.0	12.8	12.8	22.9	17.0	19.1	32.0	37.5	19.0	29.1	17.9	22.6	11
12	14.5	22.7	12.8	25.0	15.9	18.8	27.0	57.9	17.8	24.5	22.3	28.5	12
13	14.5	26.0	12.8	28.0	25.1	18.1	29.9	63.7	27.7	22.4	26.6	24.4	13
14	14.5	22.1	12.8	28.9	30.5	17.1	28.4	51.3	28.6	20.3	17.8	15.2	14
15	15.0	19.4	12.8	33.5	24.8	21.1	23.0	60.8	20.7	18.2	14.5	38.4	15
16	14.5	18.9	12.8	33.5	19.4	18.9	19.6	53.8	20.8	16.7	16.3	15.6	16
17	14.2	18.9	12.8	32.9	16.6	17.6	18.3	49.2	18.2	20.8	23.0	29.8	17
18	14.0	18.0	13.3	30.2	23.5	22.0	18.2	45.9	17.9	38.8	35.6	71.2	18
19	14.0	16.1	13.5	16.8	25.1	30.8	18.2	43.2	23.9	75.3	30.5	44.7	19
20	13.5	14.5	13.3	16.7	21.0	26.5	19.1	42.9	22.0	68.7	28.3	35.7	20
21	13.1	14.0	13.1	16.4	17.3	30.9	17.7	47.6	18.2	43.9	21.6	46.9	21
22	13.1	13.7	13.9	15.8	17.1	31.9	16.8	46.1	20.3	19.4	14.2	35.7	22
23	13.3	13.5	13.7	15.5	20.8	27.9	18.5	49.0	18.4	19.6	19.4	38.9	23
24	13.5	13.1	13.5	16.6	21.0	26.1	19.6	52.7	18.4	16.5	17.7	32.1	24
25	13.3	13.1	13.5	16.9	27.1	20.6	19.5	41.4	33.4	16.0	15.1	14.3	25
26	13.3	13.1	13.1	30.9	17.9	20.7	21.6	40.3	33.8	15.3	14.1	51.3	26
27	13.5	13.1	13.1	26.1	16.2	23.9	20.5	40.3	20.2	16.4	16.8	45.0	27
28	13.5	12.8	13.1	20.1	17.4	22.2	32.7	34.4	19.4	15.4	20.8	50.8	28
29	13.3	12.8	13.1	16.8	16.2	18.9	33.1	29.4	18.9	47.3	31.6	55.4	29
30	13.5		13.1	17.4	16.8	22.5	18.3	27.1	17.9	40.3	25.7	32.0	30
31	14.0		15.2		19.1		17.7	22.5		26.1		18.7	31
Sum	462.0	438.8	407.5	622.6	594.7	672.8	705.9	1,241.6	694.4	963.7	661.1	999.7	
Ave.	14.9	15.1	13.1	20.8	19.2	22.4	22.8	40.0	23.1	31.1	22.0	32.2	

Annual Total	8,464.8

Note: Figures from 1 Jan. to 18 Apr. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	12.7	16.6	45.1	16.9	48.3	30.0	16.0	19.8	18.4	13.7	16.4	37.6	1
2	11.4	16.9	30.5	17.5	46.7	27.3	19.4	19.3	16.7	13.7	23.5	24.7	2
3	27.4	14.4	23.3	15.1	52.2	25.1	18.9	16.5	24.7	13.6	17.4	18.5	3
4	23.3	11.8	14.8	14.6	52.0	24.5	35.7	14.9	19.9	13.0	37.8	29.3	4
5	18.4	29.0	14.9	17.5	38.5	20.7	31.8	22.2	16.3	13.7	18.1	26.4	5
6	16.6	73.9	16.7	17.4	36.3	17.0	20.5	20.7	16.5	16.3	31.1	27.8	6
7	14.5	51.8	20.2	24.5	25.9	16.0	26.7	64.0	18.9	18.6	32.0	35.7	7
8	13.8	45.3	24.8	17.6	26.1	19.1	36.8	53.8	15.1	14.2	18.7	45.6	8
9	12.2	40.4	23.7	16.7	28.2	43.9	28.2	38.2	19.6	14.3	45.9	26.0	9
10	13.3	37.5	19.5	17.3	43.7	23.6	21.6	22.6	20.1	15.7	22.2	34.9	10
11	13.6	41.7	23.1	19.8	44.0	23.1	18.3	19.5	16.1	12.5	16.0	20.1	11
12	18.3	44.3	19.1	16.8	38.8	22.0	14.1	19.5	16.2	13.3	55.9	27.1	12
13	18.6	33.2	12.8	17.5	46.8	21.3	12.8	20.2	20.4	14.0	43.5	23.5	13
14	20.1	24.1	14.4	21.5	50.4	15.9	25.2	24.1	19.9	14.7	28.7	18.7	14
15	23.4	18.8	14.0	22.6	45.3	15.4	20.0	14.4	19.3	15.3	30.4	27.7	15
16	18.6	16.0	16.5	21.9	41.4	32.3	18.0	24.7	14.5	15.9	45.7	27.9	16
17	17.4	18.6	18.1	31.1	37.8	48.9	15.3	62.1	12.9	17.1	64.1	25.6	17
18	12.7	16.4	17.1	29.2	35.9	45.7	54.3	52.8	12.6	41.0	40.2	25.3	18
19	48.1	16.1	13.9	18.9	29.3	42.4	44.5	42.5	23.2	31.5	35.7	21.8	19
20	40.1	12.5	12.2	64.2	28.1	60.4	26.1	38.3	17.7	23.1	57.7	22.6	20
21	33.5	20.3	13.2	57.9	27.5	43.6	44.8	26.1	19.6	18.4	42.2	23.7	21
22	48.9	17.4	12.6	58.8	25.6	34.7	32.5	23.0	16.3	15.9	34.2	21.6	22
23	25.3	20.8	13.1	46.7	25.2	34.5	26.9	19.0	14.3	25.4	48.1	18.7	23
24	24.6	23.0	12.8	37.0	17.7	35.6	22.8	15.9	12.2	28.5	27.1	33.3	24
25	50.4	76.8	16.5	34.0	29.7	31.5	17.3	19.0	13.7	47.6	43.7	28.9	25
26	31.2	59.4	16.1	22.9	31.9	26.1	25.9	17.7	14.8	20.7	47.3	20.1	26
27	42.9	41.2	16.5	20.6	29.3	22.5	24.8	22.3	12.3	16.5	64.3	20.5	27
28	19.2	38.2	17.1	18.8	29.7	20.3	20.6	15.8	11.6	16.0	51.7	21.3	28
29	22.9		17.7	19.4	26.6	19.0	19.5	13.3	15.4	13.3	43.2	21.0	29
30	17.6		17.2	49.2	27.0	17.4	20.9	18.3	15.0	12.7	48.4	21.8	30
31	23.7		14.5		25.8		18.7	20.9		14.1		20.8	31
Sum	734.7	876.4	562.0	803.9	1,091.7	859.8	778.9	821.4	504.2	574.3	1,131.2	798.5	
Ave.	23.7	31.3	18.1	26.8	35.2	28.7	25.1	26.5	16.8	18.5	37.7	25.7	

Annual Total	9,537.0

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km² UNIT m³/sec. YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	22.2	16.9	13.9	25.3	15.7	23.6	58.7	22.4	15.2	29.5	16.3	33.5	1
2	23.3	19.7	14.0	22.4	16.7	19.1	44.2	24.5	16.0	26.9	14.9	32.6	2
3	21.9	15.5	13.9	46.2	17.5	18.3	25.0	17.6	14.1	28.0	17.0	29.0	3
4	17.9	12.9	14.6	34.6	15.5	16.5	19.4	14.9	14.6	18.2	25.0	31.0	4
5	17.2	14.2	12.8	33.2	15.6	18.7	19.5	20.0	14.7	14.7	15.5	61.7	5
6	17.9	16.4	15.9	15.0	14.6	18.9	29.8	24.5	17.6	16.9	16.3	53.6	6
7	23.3	14.5	17.6	14.7	15.8	17.8	20.1	24.4	14.4	18.9	32.6	44.1	7
8	18.8	17.2	16.4	17.7	15.2	14.8	21.0	20.0	15.2	14.0	23.7	55.6	8
9	17.8	22.7	21.7	15.7	17.5	14.6	21.9	26.5	21.7	15.3	35.0	78.6	9
10	18.8	21.6	50.1	36.0	22.0	26.5	22.7	19.9	27.3	19.2	21.9	67.5	10
11	16.2	19.5	26.3	23.1	23.6	25.7	21.6	18.4	19.7	20.4	27.2	56.3	11
12	13.2	15.4	29.5	17.3	19.5	23.1	28.4	17.1	17.2	16.4	24.7	54.5	12
13	13.9	14.2	23.7	16.0	17.5	18.8	24.6	19.8	25.2	18.7	37.7	83.4	13
14	16.2	15.9	50.0	18.3	21.2	20.2	25.8	24.3	22.4	17.9	51.1	94.0	14
15	12.8	14.1	36.6	22.0	15.7	14.0	29.0	25.7	19.2	16.7	52.7	84.9	15
16	14.3	13.7	16.9	21.4	15.2	14.0	22.8	20.0	16.5	17.2	57.0	76.3	16
17	18.6	13.8	21.9	16.9	17.4	15.0	19.2	18.2	15.5	16.5	36.5	74.7	17
18	18.4	18.2	19.6	20.7	16.1	18.9	23.3	19.4	18.2	17.6	44.8	44.2	18
19	22.2	13.5	20.0	29.1	17.3	20.1	17.3	17.2	16.1	15.9	31.8	22.9	19
20	19.9	12.4	24.8	24.3	15.4	17.3	16.6	24.5	17.3	23.6	27.7	20.8	20
21	17.5	13.7	24.7	23.2	17.8	16.8	23.7	23.0	15.3	18.4	27.6	29.0	21
22	13.1	12.4	33.6	21.9	23.6	15.7	20.7	18.2	15.4	23.4	23.2	33.6	22
23	15.6	12.5	21.2	21.4	18.5	18.9	16.6	21.4	14.6	24.2	24.5	29.0	23
24	18.6	12.6	18.9	24.2	15.9	33.2	16.5	22.4	18.7	21.3	29.9	23.2	24
25	15.6	13.6	40.3	19.3	20.3	28.3	30.3	21.7	23.4	19.7	28.2	18.2	25
26	23.2	17.5	25.2	17.2	18.1	19.6	35.0	21.8	18.2	20.7	33.2	15.5	26
27	17.4	16.8	21.2	15.9	17.4	17.0	28.8	23.9	14.7	18.6	32.7	14.7	27
28	16.9	13.7	19.6	17.4	18.6	17.6	22.6	17.4	14.0	17.5	28.8	11.4	28
29	14.4	-	39.5	16.8	20.7	16.7	16.9	15.4	14.0	17.4	60.0	10.3	29
30	18.5	-	19.8	20.5	20.6	23.3	22.2	14.6	15.7	16.3	45.4	8.1	30
31	14.1	-	18.3	-	18.3	-	20.0	15.0	-	16.9	-	7.8	31
Sum	549.7	435.1	742.5	667.7	554.8	583.0	764.2	634.1	522.1	596.9	942.9	1,300.0	
Ave.	17.7	15.5	24.0	22.2	17.9	19.4	24.6	20.4	17.4	19.2	31.4	41.9	

Annual Total 8,293.0

Note: Figures from 1 Dec. to 31 Dec. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km² UNIT m³/sec. YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	24.2	25.4	17.3	34.8	18.7	20.9	52.8	45.8	19.0	18.9	32.5	22.3	1
2	24.2	23.9	16.5	31.8	18.5	23.9	82.3	34.7	18.8	18.9	26.7	19.9	2
3	22.0	22.6	15.9	28.2	18.8	24.1	107.5	25.0	18.5	18.9	19.5	18.4	3
4	36.9	21.3	15.9	25.9	20.0	28.3	90.5	34.9	18.5	18.8	18.0	20.3	4
5	35.2	28.2	15.4	24.2	16.4	44.1	88.6	40.0	18.4	18.7	18.7	19.5	5
6	33.5	38.1	15.0	22.6	14.7	27.9	74.4	61.5	18.3	18.5	17.7	18.5	6
7	29.4	31.9	16.6	21.7	14.9	22.4	55.8	53.4	18.2	18.4	17.1	17.7	7
8	25.3	28.9	15.9	20.5	17.4	20.8	40.0	45.4	18.1	18.3	16.5	16.2	8
9	24.5	27.2	16.5	22.1	17.6	27.1	30.7	40.0	18.1	18.3	15.7	14.9	9
10	22.8	24.2	16.5	23.3	17.0	26.7	26.3	35.9	18.1	18.3	15.6	14.4	10
11	21.7	21.7	15.9	21.7	17.4	21.7	23.2	32.3	18.0	18.3	15.1	15.8	11
12	21.4	20.8	16.6	25.3	16.8	18.9	20.6	26.8	18.0	18.4	15.2	15.4	12
13	20.3	19.1	16.7	24.2	15.0	19.5	19.6	25.3	18.1	18.3	18.9	15.1	13
14	23.1	23.9	16.5	23.3	15.1	25.1	19.2	22.0	18.1	18.3	29.2	14.6	14
15	37.9	23.0	16.5	23.3	19.4	23.4	18.9	21.6	18.0	18.2	19.9	14.3	15
16	34.2	20.3	20.7	22.0	25.8	20.3	18.5	21.1	18.0	18.2	17.1	14.1	16
17	33.5	19.5	22.8	25.9	24.9	21.5	18.3	26.5	17.9	18.2	15.4	14.1	17
18	33.5	18.9	22.9	33.5	24.0	19.1	19.0	141.5	18.0	18.1	15.4	13.8	18
19	30.4	18.2	24.6	44.9	20.4	19.6	19.6	97.4	18.1	18.0	16.1	13.1	19
20	28.6	18.2	25.9	44.9	16.9	23.6	18.9	68.7	18.7	18.0	34.1	13.0	20
21	25.4	17.4	29.9	44.1	19.4	30.6	18.7	50.7	19.3	18.0	45.3	13.0	21
22	31.5	21.8	28.9	79.8	22.2	44.9	18.4	40.0	18.8	18.0	38.2	12.7	22
23	27.6	21.4	30.0	77.7	21.8	51.5	20.2	33.9	18.7	18.0	22.9	12.5	23
24	25.9	20.7	31.6	64.8	16.5	51.5	24.7	31.5	18.6	17.9	35.3	12.5	24
25	32.9	19.2	40.7	53.3	22.6	52.1	28.3	30.4	18.3	17.9	49.2	26.7	25
26	29.9	18.0	34.4	18.1	25.2	47.4	35.3	26.6	18.2	18.0	38.2	23.2	26
27	26.6	17.6	24.5	28.2	26.0	48.2	72.1	23.2	18.2	18.1	38.2	21.2	27
28	24.6	17.6	18.4	19.4	23.7	57.0	101.6	19.6	18.2	18.1	32.0	17.9	28
29	33.9		30.0	21.9	28.2	70.1	100.4	19.2	18.5	18.1	28.5	15.8	29
30	30.2		58.5	19.9	22.8	61.0	71.9	19.0	18.9	19.2	24.5	14.2	30
31	26.2		47.9		23.4		54.9	19.8		19.7		13.8	31
Sum	867.3	627.0	735.4	963.3	621.5	993.2	1,391.2	1,213.7	550.6	569.0	746.7	508.9	
Ave.	28.0	22.4	23.7	32.1	20.0	33.1	44.9	39.2	18.4	18.4	24.9	16.4	

Annual Total 9,787.8

Note: Figures from 1 Jan. to 25 Apr. and 1 Jul. to 31 Dec. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	16.0	11.9	16.4	18.4	13.6	18.9	18.0	21.3	15.0	14.6	25.7	27.9	1
2	15.2	11.9	20.6	17.5	13.8	23.8	19.8	21.4	14.1	13.0	19.4	24.6	2
3	13.1	15.0	17.9	15.1	17.3	20.6	24.8	17.1	13.4	12.1	19.6	23.4	3
4	12.4	16.9	18.5	14.3	19.6	21.4	19.8	14.7	14.5	13.1	20.5	24.5	4
5	12.1	15.4	18.4	14.0	17.7	21.2	20.4	13.4	14.2	16.2	23.7	27.1	5
6	11.1	14.6	15.2	12.9	16.8	17.5	15.2	14.6	20.9	29.6	27.9	24.0	6
7	12.7	16.7	13.4	14.5	19.3	15.5	15.4	15.4	15.1	35.0	26.8	30.6	7
8	15.3	11.1	38.6	17.7	12.9	44.5	12.8	20.3	14.9	25.7	22.5	32.3	8
9	33.8	11.0	43.9	39.0	12.6	49.3	14.0	19.7	13.8	19.4	61.3	23.7	9
10	52.2	15.2	39.3	60.2	17.5	42.9	17.9	13.5	16.6	23.0	36.1	21.3	10
11	52.1	18.0	23.2	60.1	20.9	26.8	16.4	12.9	16.9	27.3	54.4	22.0	11
12	45.2	14.9	17.6	52.0	17.2	20.4	14.7	18.8	14.7	23.4	27.8	25.6	12
13	38.5	30.6	15.2	44.4	35.2	17.5	14.8	14.4	14.8	33.8	54.0	26.6	13
14	20.8	19.8	27.9	24.1	22.9	32.2	17.7	16.6	13.9	22.1	48.8	23.0	14
15	11.5	13.2	51.5	13.3	15.2	59.3	21.2	16.7	13.0	22.9	65.0	25.7	15
16	11.9	11.9	32.4	13.7	13.6	37.4	47.2	18.1	14.9	23.0	54.7	25.7	16
17	12.7	10.4	20.8	14.6	12.0	24.1	62.1	18.0	14.7	23.0	27.9	20.2	17
18	14.9	11.5	16.5	17.2	13.3	19.0	47.2	16.7	14.7	27.8	30.2	19.7	18
19	11.0	13.9	16.6	12.6	16.0	19.1	31.7	17.0	14.9	42.2	40.6	19.6	19
20	12.1	11.5	17.1	14.0	13.3	19.8	37.3	15.3	16.8	25.7	61.8	26.7	20
21	11.1	11.1	13.4	12.8	12.7	15.3	71.0	18.8	15.6	22.0	38.4	24.6	21
22	12.1	16.4	11.9	14.0	18.8	13.6	59.2	16.4	14.8	25.0	34.8	25.1	22
23	19.4	18.4	11.9	22.4	21.2	13.7	46.7	15.5	14.2	21.4	30.3	28.7	23
24	18.8	15.9	26.4	21.7	18.4	30.5	31.9	13.7	15.9	22.6	26.6	27.8	24
25	15.3	19.4	20.8	21.1	22.4	24.1	23.9	13.6	15.4	41.2	58.0	25.1	25
26	26.1	18.4	19.4	30.1	21.2	22.4	21.4	12.3	15.7	45.4	59.0	22.6	26
27	27.1	16.1	14.4	31.3	18.6	16.7	56.7	12.7	16.1	24.5	53.0	17.8	27
28	20.4	14.0	14.2	23.4	18.6	16.4	81.3	14.2	16.5	70.0	29.3	20.1	28
29	14.6	17.6	14.3	18.8	16.2	16.6	61.2	13.2	16.4	26.0	49.2	25.0	29
30	13.7		14.3	15.2	22.5	18.8	45.1	14.0	16.6	25.8	45.9	21.4	30
31	13.7		14.3		20.8		31.3	16.0		36.5		16.7	31
Sum	616.9	442.7	656.3	700.3	552.1	739.3	1,018.1	496.3	459.0	833.3	1,173.2	749.1	
Ave.	19.9	15.3	21.2	23.3	17.8	24.6	52.8	16.0	15.3	26.9	39.1	24.2	

Annual Total 8,419.1

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	32.6	41.3	18.4	24.7	(42.4)	44.4	(42.4)	21.8	19.4	20.0	35.2	36.8	1
2	25.0	19.0	23.8	20.8	42.4	19.4	(42.4)	22.8	18.8	24.2	34.4	22.5	2
3	22.6	18.6	33.1	16.5	55.6	41.0	(42.4)	25.6	18.7	31.9	27.1	21.8	3
4	24.2	28.6	21.5	14.6	30.6	40.3	(42.4)	22.3	18.3	19.7	37.5	20.8	4
5	19.4	26.8	16.8	13.8	37.3	33.5	(42.4)	24.5	18.1	28.0	28.6	20.8	5
6	10.8	30.2	20.8	11.9	34.9	28.6	(42.4)	26.4	18.0	28.6	27.1	22.2	6
7	11.8	38.8	13.6	18.3	22.8	24.0	(42.4)	26.0	18.0	23.9	26.1	21.5	7
8	12.3	38.4	13.6	31.2	22.2	23.8	(42.4)	18.2	17.9	27.0	30.0	20.8	8
9	13.8	22.4	14.4	18.3	24.9	26.1	20.3	38.8	17.9	20.6	47.0	31.0	9
10	15.3	33.1	11.0	27.9	21.8	16.8	18.6	29.8	17.9	17.7	41.3	34.4	10
11	13.1	20.9	14.4	35.7	21.2	14.3	23.5	25.8	17.9	15.4	44.4	29.0	11
12	10.6	32.9	14.0	41.3	20.2	23.2	18.0	24.0	18.0	17.7	43.1	12.2	12
13	12.8	22.2	13.5	23.4	18.7	21.5	26.0	38.8	18.0	24.8	33.7	50.8	13
14	24.0	29.8	12.8	21.5	15.0	18.0	22.8	42.3	18.1	41.6	28.6	31.9	14
15	35.4	37.7	31.4	45.3	12.3	14.3	29.6	43.8	18.1	27.4	43.1	33.2	15
16	37.3	24.1	35.2	48.7	14.0	29.9	16.8	20.0	18.1	44.0	33.2	27.9	16
17	32.0	15.2	37.0	52.1	15.1	47.5	35.9	20.4	18.1	44.0	28.3	13.8	17
18	23.2	25.0	22.0	54.3	16.8	39.3	23.0	20.4	17.9	27.9	27.1	42.3	18
19	42.3	24.0	9.8	42.3	12.8	34.0	25.1	20.9	17.9	26.6	29.0	31.2	19
20	39.8	25.4	9.8	21.5	14.8	29.4	41.8	21.3	17.9	21.2	22.8	24.2	20
21	32.9	38.4	9.4	28.2	15.4	19.6	36.4	19.6	17.9	21.8	25.4	13.8	21
22	47.9	28.8	10.6	41.8	17.4	27.4	38.8	44.9	17.9	21.3	24.2	35.4	22
23	37.4	26.8	9.8	35.0	18.0	21.3	31.8	32.0	17.9	18.7	26.5	33.5	23
24	38.6	28.3	10.8	108.6	17.2	54.4	31.0	19.2	17.9	27.1	31.0	25.3	24
25	42.3	17.5	11.9	117.9	25.4	34.4	31.8	39.4	17.9	33.5	25.3	21.5	25
26	32.4	36.2	11.7	44.9	29.0	13.4	29.0	25.4	18.0	23.0	26.0	20.2	26
27	19.9	24.7	12.3	39.3	30.6	12.0	44.9	24.2	18.3	48.2	31.9	22.8	27
28	33.0	25.7	16.2	35.4	24.2	25.0	37.4	22.2	22.5	48.1	39.0	21.2	28
29	30.2		15.0	26.4	20.4	33.8	22.6	21.8	35.2	37.8	26.5	18.3	29
30	18.4		23.2	148.2	17.2	34.0	22.5	19.0	17.7	32.3	25.6	20.2	30
31	34.5		17.7		17.8		22.5	18.0		29.8		18.6	31
Sum	825.8	780.8	535.3	1,209.8	728.4	844.6	989.3	819.6	564.2	873.8	949.0	799.9	
Ave.	26.6	27.9	17.3	40.3	23.5	28.2	31.9	26.4	18.8	28.2	31.6	25.8	

Annual Total 9,920.7

Note: Figures from 1 Sep. to 27 Sep. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	12.8	13.0	32.2	24.2	13.8	27.1	30.4	(42.4)	18.6	27.1	28.2	33.4	1
2	15.1	16.3	23.8	18.3	13.2	(42.4)	38.5	33.4	17.1	25.2	35.4	23.5	2
3	14.8	18.6	49.8	15.4	15.8	(42.4)	40.3	29.1	24.3	30.3	47.5	35.0	3
4	28.8	22.2	36.3	13.2	14.8	(42.4)	43.9	21.9	40.3	31.5	29.1	31.0	4
5	21.9	18.6	50.8	11.4	13.8	(42.4)	20.2	16.2	17.4	21.8	35.0	23.5	5
6	21.5	39.4	27.9	11.4	13.0	(42.4)	18.4	16.2	29.1	25.4	47.1	30.6	6
7	28.6	34.0	23.9	11.9	11.2	27.1	17.7	17.7	29.1	40.3	56.4	26.6	7
8	28.7	24.2	40.0	27.4	18.2	(42.4)	19.8	32.7	28.2	33.4	63.6	40.3	8
9	34.9	19.9	30.6	21.9	19.9	40.5	19.2	42.9	23.5	40.0	76.2	19.5	9
10	21.2	42.4	26.0	19.3	17.1	27.1	21.5	50.3	31.5	35.4	(90.2)	18.6	10
11	21.6	65.2	33.3	19.6	14.3	21.5	18.3	34.4	29.1	23.5	73.6	17.5	11
12	27.6	45.7	32.6	24.3	16.8	18.6	22.3	23.5	23.5	20.2	42.8	17.1	12
13	26.7	30.6	24.5	28.7	22.2	20.2	24.2	19.6	21.9	29.2	40.5	22.5	13
14	39.3	35.4	25.2	18.0	27.6	18.6	28.6	15.9	30.8	22.3	33.4	20.2	14
15	25.2	33.4	24.2	21.8	20.2	40.3	20.9	21.7	24.8	17.1	23.5	40.3	15
16	23.2	27.8	21.5	25.6	25.4	44.9	15.4	(42.4)	28.2	16.0	27.1	15.6	16
17	23.5	34.9	21.2	24.6	20.2	35.2	33.3	37.8	27.4	12.8	41.8	20.2	17
18	21.2	26.4	18.3	18.0	31.0	(42.4)	19.6	29.1	18.6	12.6	45.4	17.1	18
19	33.0	31.6	16.5	17.4	42.4	23.5	47.5	19.9	17.1	11.7	35.4	20.2	19
20	32.9	18.0	15.1	14.3	37.9	21.6	20.2	19.6	14.8	13.0	33.6	27.9	20
21	26.2	21.8	15.6	42.9	31.5	16.6	47.5	16.8	18.8	11.2	28.6	41.1	21
22	31.5	29.1	19.2	23.8	38.5	31.0	50.8	15.6	15.4	13.0	26.0	34.1	22
23	17.7	24.2	23.8	21.2	31.0	42.9	27.9	13.0	20.2	14.3	42.8	40.3	23
24	17.8	24.2	31.0	17.7	38.8	44.9	23.5	13.2	31.0	20.4	45.4	20.2	24
25	28.8	35.4	22.6	18.7	56.1	21.9	25.8	23.5	20.2	23.5	37.4	20.2	25
26	21.8	34.0	41.8	21.9	42.4	24.4	21.0	38.5	18.0	29.8	34.1	31.5	26
27	15.9	57.3	44.9	17.1	24.4	45.4	19.4	31.0	14.0	36.4	45.4	21.9	27
28	16.0	28.6	27.1	14.8	42.9	21.8	19.6	23.5	23.9	24.2	40.[illegible]	23.5	28
29	12.0		20.2	30.0	27.1	16.5	13.2	18.6	34.0	25.6	35.9	[illegible]	29
30	12.3		21.5	20.4	27.4	16.0	20.2	20.2	32.3	29.8	47.5	18.6	30
31	11.2		23.2		27.1		11.2	29.8		31.5		20.2	31
Sum	713.7	852.2	864.6	615.2	796.0	944.4	800.3	810.4	723.1	748.5	1,289.2	789.3	
Ave.	23.0	30.4	27.9	20.5	25.7	31.5	25.8	26.1	24.1	24.1	43.0	25.5	

Annual Total	9,935.7

44.3 100 × 1 × 30

Run-off STATION Julumito

CAUCA RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 939 km^2 UNIT m^3/sec. YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	20.2	21.2	23.5	50.7	20.2	22.2	18.6	27.4	23.1	11.0	31.0	21.5	1
2	17.1	21.5	23.2	97.5	28.2	20.2	21.2	34.0	19.3	12.4	37.4	22.2	2
3	20.2	23.8	21.8	135.6	20.2	21.2	23.5	29.8	23.4	17.1	39.9	21.5	3
4	17.1	23.8	31.0	53.3	19.2	27.1	19.9	22.2	21.4	26.1	32.3	23.5	4
5	23.5	42.9	27.1	44.8	19.6	27.1	16.2	23.5	20.2	21.6	33.4	18.9	5
6	45.4	31.0	21.8	36.4	35.4	33.4	16.8	18.6	18.3	20.2	29.0	18.3	6
7	47.9	29.1	18.9	33.0	33.0	40.5	22.0	18.3	18.4	17.1	23.2	17.7	7
8	108.6	31.0	18.3	38.8	21.6	27.1	(42.4)	19.9	19.3	16.2	24.2	18.3	8
9	104.9	26.4	16.8	29.4	22.2	19.2	(42.4)	20.6	20.2	16.2	25.8	17.7	9
10	88.9	35.4	16.5	25.6	23.5	16.6	(42.4)	29.1	19.3	17.1	33.4	15.6	10
11	40.3	27.9	15.6	24.8	33.0	16.8	(42.4)	20.2	20.4	37.9	20.2	16.2	11
12	36.9	40.8	21.9	22.2	43.9	20.4	(42.4)	16.8	19.8	23.2	18.3	14.6	12
13	32.0	34.0	33.4	22.5	33.4	22.5	45.4	17.1	19.6	23.5	18.4	15.4	13
14	28.7	29.0	20.2	32.6	33.6	19.2	42.6	23.5	23.4	21.9	17.1	14.8	14
15	28.6	25.6	18.6	21.9	33.4	21.6	31.5	22.2	18.7	17.1	20.5	14.6	15
16	36.6	23.5	19.2	29.8	27.1	32.2	20.2	14.3	18.0	14.3	19.2	14.3	16
17	42.9	27.1	17.8	25.2	27.1	31.5	16.8	15.6	19.7	15.4	23.2	16.0	17
18	47.9	35.0	18.9	33.0	22.2	24.8	15.6	16.6	18.6	18.7	42.9	17.7	18
19	40.3	45.4	20.2	40.3	31.2	25.0	13.8	14.3	17.9	18.3	23.8	20.2	19
20	37.8	41.3	31.5	27.1	37.9	18.4	19.3	15.4	21.2	16.8	33.4	28.2	20
21	47.0	31.8	25.6	27.1	27.1	15.4	20.4	16.8	23.0	18.9	29.1	23.8	21
22	40.3	35.9	23.5	22.2	42.9	20.8	27.5	15.4	20.3	25.8	27.1	34.0	22
23	32.6	27.8	20.2	28.8	29.1	18.6	(42.4)	14.3	20.7	19.5	26.7	18.3	23
24	30.6	24.8	32.3	36.7	29.8	15.4	46.3	15.4	19.4	25.4	27.1	28.9	24
25	27.1	21.8	27.1	27.1	27.4	19.2	20.2	15.4	18.7	18.9	35.4	22.5	25
26	23.5	22.2	48.2	23.5	28.6	21.8	24.4	18.4	18.9	27.1	40.3	45.4	26
27	26.8	25.6	29.0	31.2	25.4	20.2	16.8	18.3	18.3	35.9	34.0	33.4	27
28	25.4	24.2	31.5	23.2	29.8	27.1	21.8	14.3	18.1	25.8	27.1	25.2	28
29	23.5		42.9	19.2	29.1	25.4	18.3	20.2	17.8	20.5	23.2	22.5	29
30	25.1		42.9	18.6	37.9	19.9	18.7	(42.4)	18.0	28.2	21.5	22.2	30
31	20.2		61.8		23.5		21.9	31.5		23.5		24.2	31
Sum	1,187.9	829.8	821.2	1,082.1	896.5	690.8	836.1	641.8	593.4	651.6	838.1	667.6	
Ave.	38.3	29.6	26.5	36.1	28.9	23.0	26.9	20.7	19.8	21.0	27.9	21.5	

Annual Total	9,734.9

Note: *Figures from 1 Sep. to 30 Sep. were estimated by a hydraulic analysis.*

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1961

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1						1.4	18.6	5.5	1.8	1.7	2.9	2.0	1
2						2.6	12.1	8.3	1.7	1.5	4.1	1.8	2
3						2.7	16.6	10.2	1.5	1.4	4.8	1.5	3
4						1.9	13.6	8.7	2.0	1.5	6.5	1.5	4
5						2.4	17.7	10.1	1.7	1.4	8.6	1.4	5
6						3.2	12.1	10.2	1.9	1.2	8.9	1.4	6
7						5.8	9.4	11.7	2.5	1.3	5.6	2.5	7
8						3.8	5.4	11.3	2.4	1.8	3.8	2.5	8
9					1.2	2.4	5.3	12.6	1.9	1.9	2.9	3.2	9
10					1.2	1.7	4.0	11.6	1.6	1.8	3.5	3.0	10
11					1.5	2.8	3.2	11.8	1.4	2.2	3.8	3.6	11
12					1.9	5.4	2.9	11.4	1.2	3.5	3.0	3.9	12
13					1.6	4.4	3.8	7.9	1.4	4.2	2.4	2.3	13
14					2.0	2.4	3.9	5.9	1.6	5.2	4.0	1.8	14
15					2.0	2.3	3.6	4.2	1.3	4.5	4.0	1.5	15
16					1.8	4.0	9.4	3.9	1.2	4.2	3.6	1.5	16
17					2.4	26.6	13.7	3.4	1.4	6.5	3.6	1.6	17
18					1.8	21.2	3.6	3.2	1.4	5.5	3.7	1.5	18
19					2.4	10.4	5.4	2.8	1.6	2.8	3.5	1.3	19
20					1.9	4.8	8.1	4.0	1.8	2.4	3.2	1.3	20
21					2.0	2.9	5.7	5.2	1.9	3.3	2.9	1.3	21
22					1.5	2.7	5.2	6.3	1.9	3.7	2.4	1.3	22
23					1.3	5.9	4.4	3.6	1.8	5.3	2.2	1.2	23
24					1.7	7.0	3.6	2.7	1.5	4.9	2.0	1.2	24
25					3.0	8.7	3.0	4.1	1.5	4.2	1.7	1.2	25
26					4.4	10.0	6.0	3.1	1.3	3.1	1.6	1.1	26
27					4.0	10.0	12.0	2.6	1.2	2.6	1.5	1.0	27
28					2.4	7.1	15.7	2.0	1.2	2.5	2.1	1.2	28
29					1.7	9.5	13.3	1.8	1.5	2.0	2.5	1.2	29
30					1.5	33.5	9.7	1.9	2.3	1.5	2.5	1.2	30
31					1.5		6.3	1.8		1.8		1.2	31
Sum					46.7	209.5	257.3	193.8	49.4	91.4	107.8	54.2	
Ave.					2.0	7.0	8.3	6.2	1.6	2.9	3.6	1.7	

Annual Total

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	1.26	0.96	0.87	1.44	3.39	2.76	3.70	23.71	2.88	1.44	3.12	1.54	1
2	1.59	0.96	0.85	2.25	3.32	2.96	3.88	23.00	2.88	1.41	3.12	1.24	2
3	1.99	0.96	0.85	2.22	6.90	7.44	5.09	27.53	3.20	1.87	2.64	1.21	3
4	1.54	0.96	0.85	2.25	5.25	21.00	5.93	24.62	8.56	2.12	2.32	1.17	4
5	1.31	0.96	0.87	3.75	3.51	17.45	5.98	20.75	5.30	2.19	1.96	1.19	5
6	1.39	0.90	0.90	3.47	3.28	9.65	5.51	18.48	5.51	2.80	1.93	1.57	6
7	1.13	0.90	1.35	1.88	2.25	8.39	6.67	14.72	4.82	2.88	1.93	2.64	7
8	1.09	0.92	3.03	1.68	1.91	4.98	7.63	11.10	3.47	4.48	1.93	2.52	8
9	1.56	0.96	4.81	1.39	3.44	3.88	8.39	7.48	3.00	5.46	1.65	3.39	9
10	1.21	0.96	5.67	1.21	2.84	3.84	8.39	4.11	2.76	4.84	2.29	3.47	10
11	1.76	1.09	3.76	1.15	3.12	3.24	9.21	2.52	3.27	4.43	2.76	3.12	11
12	2.42	1.09	2.54	1.09	3.12	2.76	10.95	2.09	3.58	4.02	3.08	2.92	12
13	2.45	1.09	2.43	1.09	4.20	2.72	11.64	2.76	2.84	2.80	3.50	2.64	13
14	2.02	1.09	1.44	1.09	3.47	2.52	10.01	3.76	2.88	2.64	3.88	2.35	14
15	1.54	1.07	1.29	1.09	3.12	2.32	9.38	4.60	7.61	2.64	3.97	2.32	15
16	1.31	1.02	2.02	1.09	3.46	2.05	8.84	6.15	5.20	2.64	4.60	2.25	16
17	1.29	1.02	3.40	1.07	6.83	1.76	9.94	7.32	4.34	2.07	3.94	1.93	17
18	1.24	1.62	2.80	0.98	4.71	1.62	12.56	8.27	3.35	1.41	3.58	1.76	18
19	1.21	1.44	2.25	1.15	6.61	1.31	12.97	7.56	3.35	1.44	4.76	1.70	19
20	1.15	1.39	2.02	1.26	8.52	2.07	13.76	5.94	2.92	1.36	5.41	1.56	20
21	1.09	1.36	1.76	1.26	7.08	3.00	15.74	4.65	2.60	1.79	4.71	1.44	21
22	1.15	1.24	1.99	1.29	5.87	4.41	13.98	4.15	2.19	2.47	3.70	1.44	22
23	1.39	1.19	2.32	1.39	5.36	4.71	11.64	3.84	1.65	2.64	3.24	1.31	23
24	1.36	1.15	2.60	1.49	4.71	5.94	10.16	3.47	1.44	2.15	3.60	1.21	24
25	1.24	1.04	3.35	2.29	4.54	7.56	9.06	3.47	1.44	2.02	3.60	1.21	25
26	1.21	0.94	2.88	1.96	4.30	10.10	8.48	2.39	1.44	2.37	3.27	1.21	26
27	1.11	0.90	2.52	2.12	3.62	8.89	9.90	1.62	1.36	2.57	2.37	2.09	27
28	1.13	0.90	2.22	2.32	3.24	6.83	13.74	1.44	1.34	2.42	1.96	2.80	28
29	1.07	-	1.82	3.47	3.04	6.15	21.45	1.68	1.56	2.64	1.59	3.12	29
30	1.00		1.56	4.20	3.39	5.30	24.23	1.85	1.46	2.88	1.59	2.39	30
31	0.96		1.49		3.47		22.27	1.85		3.12		2.22	31
Sum	43.17	30.08	68.51	54.39	131.87	167.61	331.08	256.88	98.20	82.01	91.85	62.84	
Ave.	1.39	1.07	2.21	1.81	4.25	5.59	10.70	8.29	3.27	2.65	3.06	2.03	

Annual Total 1,418.49

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	2.02	1.91	1.68	1.54	1.59	1.44	1.85	3.20	2.32	1.99	3.76	1.51	1
2	1.88	1.59	1.46	1.36	12.60	1.57	2.10	3.47	2.12	4.10	8.08	1.49	2
3	1.82	1.59	1.36	1.36	5.30	1.51	2.42	4.32	2.39	3.58	10.95	1.44	3
4	1.59	2.06	1.36	1.49	4.11	1.44	2.82	5.67	4.11	2.64	11.18	1.76	4
5	1.59	1.96	1.41	1.59	3.12	1.44	2.35	4.65	5.67	2.42	9.64	3.04	5
6	1.39	1.59	1.79	1.76	2.45	2.24	2.12	4.11	5.36	1.85	8.94	4.24	6
7	1.36	1.93	2.12	1.62	2.15	4.98	1.85	3.70	5.04	1.68	8.56	5.82	7
8	1.70	1.99	2.22	1.76	2.45	5.03	1.68	2.88	3.64	1.68	7.79	4.65	8
9	2.02	1.46	2.49	1.73	2.68	4.54	1.51	2.88	3.47	1.59	7.26	3.93	9
10	2.05	1.51	2.29	1.54	4.39	2.88	1.44	3.72	3.12	1.51	11.52	3.39	10
11	1.80	4.96	2.25	1.73	3.83	2.64	1.44	4.54	3.20	1.51	11.19	3.35	11
12	1.59	2.25	2.09	1.76	2.52	5.83	1.44	6.34	3.00	1.51	9.46	3.24	12
13	1.59	2.07	1.93	1.65	4.60	7.75	1.44	6.22	3.00	1.51	8.74	2.82	13
14	1.39	1.68	1.68	1.59	3.97	4.11	1.59	4.98	2.88	1.44	8.48	3.00	14
15	1.21	1.51	1.68	1.56	7.50	5.68	1.85	4.24	4.24	1.39	7.31	2.88	15
16	1.21	1.68	1.56	1.44	9.05	16.52	2.12	3.84	5.20	1.36	6.50	2.76	16
17	1.21	2.05	1.46	1.93	4.62	14.54	1.76	3.28	4.46	1.51	5.04	2.64	17
18	1.24	2.09	1.34	2.68	2.76	11.88	1.59	2.88	3.18	1.54	4.24	2.32	18
19	1.21	1.85	1.29	2.35	2.20	6.44	1.46	2.42	3.29	1.49	3.11	2.22	19
20	1.17	1.51	1.29	2.29	2.02	4.96	1.44	2.22	3.04	1.36	2.64	1.93	20
21	1.21	1.24	1.29	2.76	1.76	4.65	1.44	2.02	2.84	1.24	2.64	1.85	21
22	1.32	1.46	1.66	2.36	1.62	4.11	1.72	2.05	2.64	1.17	2.64	2.03	22
23	1.24	2.52	1.99	2.03	1.51	4.11	3.90	1.51	1.85	1.13	1.93	2.12	23
24	1.29	2.84	1.88	1.76	1.51	3.77	4.76	1.44	1.85	1.02	1.93	2.02	24
25	1.26	2.80	1.82	1.62	1.54	3.58	4.11	1.44	1.93	0.96	1.88	1.72	25
26	4.20	2.52	1.76	1.51	1.76	3.58	3.70	2.16	1.68	0.96	1.79	1.59	26
27	2.60	2.42	1.70	1.51	1.76	2.88	3.36	2.88	1.41	0.96	1.72	1.51	27
28	2.05	2.13	1.49	1.49	1.76	2.42	2.88	2.56	1.51	2.50	1.59	1.44	28
29	1.63		1.36	1.54	2.22	2.32	2.52	3.16	1.65	3.12	1.51	1.44	29
30	1.44		1.76	1.59	1.85	2.02	3.35	3.47	1.63	2.76	1.51	1.44	30
31	1.44		1.59		1.62		3.47	2.80		3.47		1.44	31
Sum	50.72	57.17	53.05	52.90	102.82	140.86	71.48	105.05	91.72	56.95	173.53	77.03	
Ave.	1.64	2.04	1.71	1.76	3.32	4.69	2.30	3.39	3.06	1.84	5.78	2.48	

Annual Total 1,033.28

443 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	1.36	0.66	0.59	0.98	1.34	3.51	5.74	5.82	9.62	2.12	5.36	1.85	1
2	1.29	0.63	0.60	0.93	1.29	3.35	4.11	6.30	13.88	2.76	4.87	1.85	2
3	1.21	0.63	0.59	0.90	1.29	6.65	3.47	8.39	11.64	3.08	4.24	2.12	3
4	1.13	0.59	0.59	0.96	1.29	5.15	3.35	7.67	8.74	3.83	4.54	2.47	4
5	1.09	0.60	0.54	0.90	1.21	4.62	2.68	7.08	6.83	4.11	3.97	2.45	5
6	1.07	0.68	0.59	0.87	1.12	5.20	2.29	6.67	5.87	5.36	3.58	2.22	6
7	1.12	0.63	0.70	0.79	1.09	7.08	3.56	6.32	5.46	4.51	3.58	2.12	7
8	0.90	0.61	0.68	0.94	0.98	5.91	4.89	5.51	5.15	4.24	4.87	2.07	8
9	0.85	0.59	0.63	1.21	0.96	4.11	4.38	6.50	5.04	3.90	5.56	1.97	9
10	0.85	0.59	0.59	1.36	1.67	3.08	3.97	6.21	4.87	7.41	4.93	2.71	10
11	0.85	0.59	0.59	1.72	1.44	2.12	3.46	5.51	4.87	7.32	4.43	2.88	11
12	0.79	1.70	0.59	1.93	1.29	1.76	3.24	4.82	4.87	6.61	4.38	3.47	12
13	0.79	2.03	0.59	2.22	1.64	1.67	3.24	4.38	4.11	11.87	3.77	4.04	13
14	0.79	1.63	0.59	2.32	2.17	1.51	2.84	4.38	3.75	16.35	3.39	3.19	14
15	0.85	1.34	0.59	2.76	6.88	2.76	2.76	3.91	3.47	14.98	2.94	2.29	15
16	0.79	1.29	0.59	2.76	9.91	9.35	2.82	3.58	3.35	10.26	3.06	2.12	16
17	0.76	1.29	0.59	2.70	8.21	16.57	3.04	3.35	3.18	11.18	2.52	2.12	17
18	0.74	1.19	0.65	2.45	5.85	14.02	3.35	3.18	3.06	9.64	2.39	1.93	18
19	0.74	0.98	0.68	2.22	2.52	5.89	3.23	3.98	2.88	8.62	2.22	1.85	19
20	0.68	0.79	0.65	2.12	2.39	4.54	2.96	4.31	2.76	6.56	2.22	2.32	20
21	0.63	0.74	0.63	2.12	1.67	3.58	2.94	3.97	2.58	5.82	2.22	3.47	21
22	0.63	0.70	0.72	2.12	3.09	3.20	5.51	4.71	2.42	5.04	2.12	3.58	22
23	0.66	0.68	0.70	2.02	4.06	4.47	11.29	4.79	2.42	4.87	2.12	3.71	23
24	0.68	0.63	0.68	1.93	3.46	5.09	8.03	5.74	2.25	4.87	1.93	3.84	24
25	0.65	0.63	0.68	1.88	3.18	3.75	8.15	9.94	2.22	7.93	1.89	4.64	25
26	0.66	0.63	0.63	5.51	2.56	3.12	8.03	11.98	2.22	9.46	1.85	11.91	26
27	0.68	0.63	0.63	4.35	2.45	3.12	7.20	10.03	2.22	8.76	1.76	13.04	27
28	0.68	0.59	0.63	2.37	2.15	3.15	6.73	8.00	2.19	7.32	1.76	12.09	28
29	0.65	0.59	0.63	1.67	2.88	3.66	6.67	7.32	2.12	6.67	1.68	11.07	29
30	0.68		0.63	1.26	3.16	5.42	6.23	5.98	2.12	6.50	1.88	10.71	30
31	0.74		0.87		3.35		5.98	5.51		5.82		10.24	31
Sum	25.99	24.86	19.64	58.07	86.55	147.41	146.14	185.84	136.16	217.75	96.03	136.34	
Ave.	0.84	0.86	0.63	1.94	2.79	4.91	4.71	5.99	4.54	7.02	3.70	4.40	

Annual Total 1,280.78

443 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	10.01	1.85	1.02	5.16	6.06	13.87	2.03	2.17	3.12	1.09	4.54	3.47	1
2	9.67	1.85	1.02	5.41	6.66	13.53	1.93	4.22	3.12	1.02	7.34	5.24	2
3	8.62	2.09	1.02	4.38	5.51	12.88	1.76	3.75	3.00	0.96	11.06	5.27	3
4	8.39	2.15	4.49	4.02	4.49	11.64	1.91	3.70	2.56	0.90	9.13	4.24	4
5	7.47	2.22	2.15	3.70	4.38	10.95	2.65	3.58	2.52	0.85	8.15	4.38	5
6	6.92	3.12	2.02	3.70	4.24	9.68	4.06	7.59	2.35	1.08	6.50	4.02	6
7	6.61	3.12	1.93	3.47	3.84	9.42	9.09	5.46	2.17	1.17	6.15	3.47	7
8	5.72	3.00	1.93	3.12	3.70	8.62	6.69	4.71	1.88	1.21	5.35	3.24	8
9	4.29	2.88	1.76	2.92	3.84	7.79	3.43	4.31	1.85	1.15	5.04	9.36	9
10	4.25	2.76	1.55	2.76	6.75	6.61	2.88	3.84	1.65	1.15	4.76	13.05	10
11	3.59	2.64	1.44	2.76	6.09	4.87	2.88	3.39	1.51	1.02	3.84	8.37	11
12	2.88	2.52	1.29	2.45	4.68	4.15	2.88	2.72	1.44	0.96	3.47	5.67	12
13	2.88	2.42	1.29	2.76	3.88	3.84	10.79	2.32	1.44	0.96	3.47	5.36	13
14	3.29	2.27	1.29	2.25	3.62	3.52	11.38	2.15	1.44	0.93	3.47	3.97	14
15	3.70	2.22	1.80	2.02	3.16	3.47	4.24	1.71	1.44	2.70	4.54	3.39	15
16	4.38	2.15	1.52	1.93	2.76	3.47	3.43	1.59	1.36	5.63	5.92	3.00	16
17	4.24	1.96	1.29	1.93	2.45	3.28	3.00	1.76	1.36	9.91	7.55	2.88	17
18	4.20	1.85	1.21	1.72	2.42	3.00	2.68	1.76	1.29	9.09	8.39	2.88	18
19	3.97	1.85	1.18	1.68	2.17	3.00	2.64	1.76	1.17	7.00	9.78	2.82	19
20	3.84	1.76	1.09	1.59	3.31	2.94	8.93	1.62	1.15	6.75	11.29	2.76	20
21	3.84	1.63	1.09	1.59	3.47	2.76	15.70	1.46	1.15	5.25	19.27	2.35	21
22	3.84	1.40	1.25	1.80	5.65	6.25	8.85	1.44	1.13	4.65	28.26	2.32	22
23	3.28	1.17	1.44	1.98	5.24	7.79	8.01	1.44	1.02	3.97	28.10	2.22	23
24	2.88	1.09	1.44	2.02	5.52	5.95	6.79	2.59	0.96	3.23	21.68	2.27	24
25	2.64	1.09	1.44	2.02	6.67	8.45	5.67	3.36	0.96	2.43	13.38	2.32	25
26	1.96	1.09	1.12	2.12	10.18	7.48	4.71	12.45	1.31	1.85	10.03	2.42	26
27	1.59	1.09	1.02	2.42	12.32	5.67	3.97	7.24	1.21	3.97	5.35	2.27	27
28	1.44	1.09	1.02	2.82	13.29	4.79	3.00	5.57	1.15	5.14	3.72	2.12	28
29	1.29		0.92	2.88	11.98	3.43	5.03	4.87	1.09	5.15	3.24	2.12	29
30	1.29		0.90	2.88	14.03	2.49	3.46	8.22	1.09	4.71	2.84	2.02	30
31	1.85		0.90		16.26		2.88	6.32		4.54		1.93	31
Sum	134.82	56.33	44.83	82.26	188.42	195.59	157.35	119.07	48.89	100.42	265.61	121.20	
Ave.	4.35	2.01	1.45	2.74	6.08	6.52	5.08	3.84	1.63	5.24	8.85	3.91	
										Annual Total		1,514.79	

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	1.80	0.74	1.15	1.15	1.02	0.85	3.41	3.97	3.70	2.02	1.65	12.92	1
2	1.54	0.74	1.55	0.99	0.96	0.90	5.94	3.66	3.58	2.45	1.65	12.56	2
3	1.44	0.74	1.59	0.90	0.94	1.00	8.41	3.58	3.12	2.12	2.06	11.19	3
4	1.44	0.95	1.67	0.85	0.90	0.96	4.41	4.88	3.00	2.02	2.94	11.94	4
5	1.44	1.09	1.99	0.85	0.85	0.94	2.25	6.16	4.79	2.02	3.23	23.78	5
6	1.31	0.98	2.42	0.85	0.85	1.09	2.02	5.74	10.79	1.64	3.84	20.64	6
7	1.29	0.96	2.32	0.85	0.79	1.34	1.73	5.20	9.24	1.56	3.52	17.00	7
8	1.29	0.87	2.17	1.40	1.07	1.49	2.27	5.20	7.79	1.48	2.96	21.43	8
9	1.17	0.79	1.93	2.56	1.21	1.51	4.24	4.65	6.84	1.44	2.68	30.28	9
10	1.09	0.79	1.76	3.00	1.59	1.36	5.34	4.20	5.98	1.44	3.51	26.01	10
11	1.09	0.79	1.60	3.70	1.82	1.31	5.98	3.70	4.06	1.36	3.30	21.68	11
12	1.09	0.74	1.51	3.62	1.93	1.29	5.12	3.39	3.62	1.29	3.00	20.98	12
13	1.02	0.74	1.44	2.48	2.02	1.34	4.04	3.06	3.47	1.21	4.15	32.14	13
14	0.96	0.87	1.31	1.65	2.02	1.32	3.84	4.20	3.47	1.21	4.71	36.22	14
15	0.96	1.22	1.21	1.36	1.93	1.17	3.52	3.91	3.12	1.15	4.38	32.72	15
16	0.93	1.12	1.15	1.36	1.55	1.02	3.47	3.20	2.82	2.62	4.38	29.40	16
17	1.26	1.09	1.15	1.24	1.59	1.16	3.35	3.08	2.72	2.80	4.20	28.80	17
18	1.26	0.98	1.38	1.15	0.90	1.94	3.35	2.49	2.47	3.12	3.70	17.04	18
19	1.15	0.85	1.76	1.04	1.41	2.09	3.12	1.93	2.42	3.35	4.53	8.81	19
20	1.09	0.90	1.68	1.02	1.26	3.00	2.82	6.69	2.22	3.35	10.59	8.03	20
21	1.09	0.90	1.55	1.02	1.15	2.96	5.67	10.00	1.98	2.92	9.25	11.19	21
22	1.09	0.85	1.33	1.02	1.09	4.21	5.36	11.64	1.71	2.52	8.39	12.93	22
23	1.06	0.88	1.09	1.02	1.09	5.20	4.65	8.47	1.63	2.35	7.47	11.19	23
24	0.96	0.74	0.96	1.02	0.92	4.24	4.06	8.03	1.59	2.32	5.56	8.92	24
25	0.90	0.90	0.96	0.96	0.85	2.92	3.97	6.73	1.46	2.02	5.20	7.00	25
26	0.88	1.15	0.96	1.59	0.83	2.42	3.88	5.82	1.34	1.79	4.38	5.98	26
27	0.79	1.09	0.96	1.54	0.79	2.05	4.98	5.25	1.26	1.68	11.09	5.67	27
28	0.79	1.02	0.96	1.41	0.62	1.82	4.76	5.12	1.21	1.59	12.48	4.38	28
29	0.74		1.39	1.17	1.00	1.76	4.18	4.87	1.73	1.49	13.53	3.97	29
30	0.74		1.76	1.09	0.90	2.42	3.75	4.31	2.02	1.44	8.57	3.19	30
31	0.74		1.68		0.85		4.20	4.04		1.36		3.00	31
Sum	34.40	25.43	46.34	43.86	36.70	57.08	128.09	157.17	105.15	61.13	160.90	500.99	
Ave.	1.11	0.91	1.49	1.46	1.18	1.90	4.13	5.07	3.50	1.97	5.36	16.16	
										Annual Total		1,357.24	

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	1.85	1.97	1.11	2.88	1.73	7.58	12.09	11.19	2.67	2.52	4.82	3.24	1
2	1.85	1.82	1.02	2.60	1.56	6.71	16.67	8.77	2.45	2.56	3.97	2.80	2
3	1.62	1.68	0.96	2.25	1.51	5.98	19.71	5.88	2.12	2.52	2.72	2.49	3
4	2.12	1.55	0.96	2.02	1.46	13.14	17.79	8.84	2.12	2.49	2.42	2.88	4
5	2.92	2.25	0.90	1.85	1.44	18.82	17.56	10.00	1.99	2.35	2.56	2.72	5
6	2.76	3.00	0.85	1.68	1.44	13.20	15.74	13.87	1.93	2.19	2.35	2.52	6
7	2.37	2.61	1.04	1.59	2.80	8.23	12.97	12.56	1.79	2.02	2.22	2.35	7
8	1.96	2.32	0.96	1.46	2.64	6.38	10.01	11.11	1.65	1.85	2.09	2.02	8
9	1.88	2.15	1.02	1.63	1.82	5.20	7.71	10.00	1.59	1.85	1.90	1.73	9
10	1.71	1.85	1.02	1.76	1.73	11.95	6.33	9.06	1.55	1.85	1.88	1.59	10
11	1.59	1.59	0.96	1.59	2.35	9.34	5.15	8.15	1.49	1.93	1.76	1.93	11
12	1.56	1.49	1.04	1.96	2.12	7.95	3.84	6.50	1.44	2.02	1.79	1.85	12
13	1.44	1.31	1.05	1.85	1.82	6.87	3.12	5.98	1.51	1.88	2.60	1.76	13
14	1.74	1.82	1.02	1.76	1.59	3.75	2.80	4.60	1.51	1.85	4.35	1.65	14
15	3.16	1.73	1.02	1.76	1.59	7.63	2.52	4.38	1.44	1.76	2.80	1.56	15
16	2.82	1.44	1.48	1.62	1.49	9.35	2.09	4.11	1.31	1.68	2.22	1.51	16
17	2.76	1.36	1.71	2.02	1.36	8.92	1.85	6.42	1.26	1.68	1.85	1.51	17
18	2.76	1.29	1.85	2.76	2.35	7.55	2.68	28.08	1.39	1.56	1.85	1.44	18
19	2.47	1.21	1.89	3.77	2.76	6.73	3.12	18.59	1.54	1.44	2.00	1.24	19
20	2.29	1.21	2.02	3.77	2.47	5.72	2.60	14.94	2.41	1.34	5.04	1.21	20
21	1.97	1.12	2.42	3.70	2.47	6.06	2.32	12.09	2.88	1.29	6.41	1.21	21
22	2.57	1.60	2.32	6.42	2.29	10.51	2.02	10.00	2.45	1.29	5.56	1.15	22
23	2.19	1.56	2.42	6.27	2.09	21.33	3.60	8.57	2.32	1.29	3.35	1.09	23
24	2.02	1.48	2.58	5.35	1.88	27.13	5.77	7.95	2.22	1.21	5.19	1.09	24
25	2.70	1.32	3.41	4.46	1.76	28.60	7.00	7.63	1.91	1.21	6.84	3.97	25
26	2.42	1.19	2.84	3.84	3.07	21.21	8.92	6.45	1.76	1.46	5.56	3.39	26
27	2.09	1.15	1.68	2.96	3.80	18.47	15.43	5.14	1.76	1.65	5.56	3.04	27
28	1.89	1.15	1.23	2.73	3.39	11.34	19.07	3.12	1.76	1.63	4.75	2.39	28
29	2.80		3.85	1.93	3.51	12.02	18.93	2.80	2.09	1.59	4.25	1.94	29
30	2.45		4.87	1.82	4.24	13.68	15.39	2.68	2.52	2.84	3.62	1.54	30
31	2.05		4.02		3.71		12.81	3.29		3.20		1.44	31
Sum	68.78	46.22	55.72	82.06	70.24	341.35	277.61	272.75	56.83	58.00	104.28	62.25	
Ave.	2.22	1.65	1.80	2.73	2.26	11.38	8.96	8.80	1.89	1.87	3.48	2.01	

Annual Total 1,496.09

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km² UNIT m³/sec. YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	1.44	1.39	1.11	1.85	3.20	3.39	16.64	17.91	1.73	1.60	1.26	10.00	1
2	1.39	1.72	1.31	1.73	3.08	4.15	20.07	19.60	1.51	1.26	1.59	8.92	2
3	1.29	2.04	1.49	1.71	2.84	5.36	24.88	20.28	1.33	1.02	1.93	8.38	3
4	1.29	2.62	1.44	2.44	2.60	7.63	23.72	20.05	1.60	1.24	1.93	7.71	4
5	1.21	3.00	1.34	3.16	2.52	8.74	22.74	18.93	1.52	1.98	1.76	6.50	5
6	1.21	2.85	1.26	3.16	2.42	10.00	21.45	18.37	2.90	3.04	1.44	6.09	6
7	1.44	2.38	1.11	3.04	2.88	14.33	20.86	17.33	1.73	3.24	1.29	5.41	7
8	1.39	1.79	1.08	3.00	3.39	14.09	20.28	16.35	1.70	2.92	1.26	4.76	8
9	1.36	1.57	1.49	2.88	3.64	13.53	19.26	15.22	1.43	2.88	1.44	4.49	9
10	1.34	1.44	1.44	2.49	4.06	13.53	18.26	14.10	2.07	2.64	1.65	4.06	10
11	1.29	1.36	1.41	2.32	4.38	12.09	21.45	13.87	2.14	2.52	1.68	3.84	11
12	1.21	1.33	1.26	2.32	4.38	11.75	23.45	13.53	1.67	2.42	1.74	3.70	12
13	1.44	1.21	1.13	2.22	4.71	12.97	21.68	13.21	1.68	2.42	1.88	3.39	13
14	1.39	1.19	1.09	2.02	5.04	15.22	21.21	12.80	1.47	2.29	1.93	3.12	14
15	1.36	1.15	1.09	2.57	5.20	16.26	20.45	12.32	1.26	2.19	2.05	2.88	15
16	1.29	1.09	1.39	2.92	5.36	17.68	20.05	2.37	1.70	2.12	2.25	2.52	16
17	1.29	1.15	1.41	3.58	6.09	17.79	19.76	2.34	1.65	2.09	2.53	2.35	17
18	1.21	1.17	1.22	3.66	5.56	17.56	19.04	2.10	1.65	2.42	2.64	2.02	18
19	1.21	1.15	1.51	3.47	5.35	17.10	18.03	2.17	1.70	2.12	2.92	1.85	19
20	1.15	1.09	1.71	3.31	5.15	16.64	17.56	1.80	2.12	1.90	3.08	1.85	20
21	1.09	1.13	2.43	3.31	4.96	15.65	19.71	2.50	1.86	1.62	3.35	1.59	21
22	1.09	1.09	2.56	3.43	4.87	15.22	19.93	2.00	1.68	1.59	3.58	1.56	22
23	1.02	1.09	2.39	3.66	4.54	14.65	19.37	1.82	1.53	1.59	4.40	1.51	23
24	0.96	1.09	2.76	3.75	4.02	13.98	18.26	1.40	1.91	1.59	5.94	1.62	24
25	1.17	1.15	2.42	3.93	3.70	13.29	17.56	1.37	1.80	1.56	6.50	1.65	25
26	2.72	1.15	2.15	3.84	3.58	14.88	17.10	1.07	1.88	1.36	8.27	1.51	26
27	2.29	1.13	1.90	3.70	3.47	16.26	16.52	1.19	1.95	1.26	9.57	1.39	27
28	1.93	1.09	1.59	3.51	3.29	18.03	16.52	1.52	2.03	1.21	10.00	1.36	28
29	1.65	1.15	1.85	3.47	3.20	18.08	16.26	1.32	2.02	1.21	10.00	1.29	29
30	1.41		1.90	3.35	3.04	17.22	15.61	1.50	2.05	1.21	10.00	1.29	30
31	1.41		1.85		2.88		15.11	1.95		1.29		1.21	31
Sum	42.94	42.76	50.09	89.80	123.40	407.07	602.79	212.29	53.27	59.80	109.86	109.82	
Ave.	1.38	1.47	1.62	2.99	3.98	13.57	19.44	8.78	1.78	1.93	3.66	3.54	

Annual Total 1,963.89

Note: Figures from 16 Aug. to 5 Oct. were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km^2 UNIT m^3/sec. YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	0.87	0.92	1.08	1.19	(10.50)	1.92	(10.50)	2.37	3.02	2.54	2.60	0.87	1
2	0.87	1.14	1.08	1.50	10.50	3.02	(10.50)	2.12	2.42	2.96	2.27	1.03	2
3	0.87	1.29	1.03	1.92	8.27	5.38	(10.50)	1.92	2.32	6.42	2.02	1.66	3
4	0.78	1.50	0.98	2.02	7.70	7.18	(10.50)	1.82	1.82	4.86	1.92	1.50	4
5	0.73	1.50	0.98	2.02	6.10	10.50	(10.50)	1.40	1.60	7.03	2.22	1.24	5
6	0.68	1.71	0.98	2.27	5.74	7.10	(10.50)	1.29	1.29	5.47	2.84	1.34	6
7	0.64	1.92	0.87	2.37	5.04	5.48	(10.50)	1.34	1.29	3.54	3.88	1.19	7
8	0.59	1.82	0.87	2.54	4.87	5.48	(10.50)	1.61	1.24	2.72	4.46	1.08	8
9	0.59	1.66	0.87	2.54	4.87	6.92	3.64	1.76	1.14	2.22	4.16	1.40	9
10	0.54	1.56	0.92	2.66	4.09	5.48	2.26	1.87	1.08	1.92	4.09	1.24	10
11	0.49	1.50	0.98	2.96	3.34	4.23	10.27	2.02	1.08	1.66	3.41	1.14	11
12	0.68	1.29	0.78	3.15	2.42	3.41	9.15	2.54	1.29	1.61	2.90	0.98	12
13	0.98	1.29	0.68	3.41	2.12	2.66	8.49	2.54	1.45	1.56	2.54	0.98	13
14	1.40	1.19	0.59	3.54	2.12	2.22	8.04	2.96	1.56	3.68	2.12	1.08	14
15	1.82	1.08	0.59	3.81	1.92	1.76	7.58	3.02	1.61	6.72	1.82	0.98	15
16	2.02	0.98	0.59	4.09	1.76	1.71	6.92	3.41	1.61	8.48	1.66	1.24	16
17	2.42	0.87	0.78	4.37	1.71	2.12	5.92	3.67	1.45	6.43	2.02	1.45	17
18	3.02	1.08	0.78	4.54	1.40	2.22	5.03	3.67	1.19	3.75	2.02	1.56	18
19	3.54	1.19	0.78	4.86	1.40	2.66	5.92	4.02	1.19	2.60	1.71	1.92	19
20	4.09	1.24	0.98	5.56	1.82	2.90	6.42	4.23	1.08	2.17	2.02	1.66	20
21	4.23	1.29	0.98	6.10	1.87	3.41	5.30	4.37	1.14	1.97	2.12	1.45	21
22	4.02	1.34	0.98	7.46	2.02	3.41	6.42	4.95	1.08	2.02	1.97	1.40	22
23	3.67	1.24	0.87	8.04	2.02	4.23	8.04	5.29	1.19	2.32	2.17	1.34	23
24	3.22	1.14	0.78	8.27	1.92	4.23	6.92	5.38	1.08	6.61	2.07	1.29	24
25	2.90	1.14	0.88	8.82	2.17	5.03	5.83	5.65	1.14	8.48	1.92	1.14	25
26	2.42	1.24	0.98	8.93	2.22	8.60	5.56	5.74	1.45	5.06	1.92	0.87	26
27	2.02	1.40	1.08	3.29	2.32	10.27	5.30	5.20	1.92	3.68	1.66	3.33	27
28	1.76	1.50	1.08	2.93	2.37	5.87	4.24	4.64	3.48	4.78	1.24	0.68	28
29	1.34		1.08	2.07	1.92	8.55	3.28	3.88	3.75	4.95	1.08	2.48	29
30	1.24		1.08	(10.50)	1.92	8.60	3.02	3.54	2.54	4.32	0.87	0.64	30
31	0.98		1.08		1.71		2.66	3.41		3.09		0.89	31
Sum	55.42	37.02	28.06	127.73	110.15	146.55	220.21	101.63	49.50	125.62	69.70	41.05	
Ave.	1.79	1.32	0.91	4.26	3.55	4.89	7.10	3.28	1.65	4.05	2.32	1.32	

Annual Total 1,112.64

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km^2 UNIT m^3/sec. YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	0.59	0.40	1.92	1.56	2.37	6.61	3.81	(10.50)	5.12	6.84	5.22	2.90	1
2	0.54	0.49	1.81	1.24	2.32	(10.50)	5.04	8.45	4.02	5.47	7.81	2.54	2
3	0.49	0.40	4.18	1.14	2.27	(10.50)	7.02	4.88	3.28	7.60	6.40	2.37	3
4	0.64	0.73	3.02	1.45	1.92	(10.50)	7.60	3.22	3.15	6.30	6.82	2.90	4
5	0.68	1.08	3.34	1.71	1.40	(10.50)	4.74	3.15	3.03	6.71	6.71	4.23	5
6	0.73	1.66	2.22	2.02	1.34	(10.50)	3.28	3.34	3.67	7.12	6.61	4.23	6
7	1.03	2.27	1.82	2.78	1.24	6.61	2.78	5.92	4.46	7.70	7.58	3.95	7
8	1.34	1.92	1.66	3.82	1.03	(10.50)	3.15	6.92	4.95	7.02	8.27	3.41	8
9	1.50	1.82	1.67	4.70	1.82	10.11	4.48	8.60	7.02	7.70	9.38	2.72	9
10	1.71	3.56	1.40	2.78	1.96	6.62	6.92	6.01	8.27	5.48	(10.50)	2.54	10
11	1.92	5.38	1.50	1.92	3.34	5.86	5.22	6.61	8.26	4.37	9.16	2.32	11
12	2.72	5.56	3.15	1.97	5.06	3.88	3.48	5.47	6.40	3.41	7.36	2.22	12
13	3.54	4.54	2.38	2.02	8.82	4.02	3.61	6.30	5.06	3.02	6.10	1.92	13
14	2.90	3.74	2.27	1.50	7.70	3.54	3.34	5.38	4.95	2.66	6.92	1.92	14
15	2.17	2.72	1.82	1.45	6.04	2.90	3.41	3.70	3.88	2.48	5.92	1.92	15
16	1.71	2.42	1.34	2.60	5.38	2.90	2.55	(10.50)	3.34	2.60	5.12	1.71	16
17	1.71	1.72	1.14	4.02	5.56	5.83	2.78	9.52	5.20	2.48	5.48	1.61	17
18	1.45	1.50	1.08	3.28	6.96	(10.50)	3.15	8.26	4.54	2.48	6.40	1.61	18
19	1.29	1.56	1.03	3.02	(10.50)	5.27	3.60	5.96	4.09	2.37	7.46	1.76	19
20	1.03	1.19	0.82	2.96	9.54	4.70	3.54	3.81	3.48	3.02	6.96	4.16	20
21	1.56	1.60	0.78	2.78	7.94	5.74	3.15	3.95	3.02	3.22	6.01	5.92	21
22	1.56	2.72	0.73	2.78	7.16	6.92	2.60	3.08	2.90	2.90	5.56	5.54	22
23	1.08	3.67	0.68	2.78	9.60	8.26	2.66	2.35	3.88	2.72	4.62	4.23	23
24	0.92	3.34	2.22	2.54	9.74	6.92	4.02	2.60	4.23	2.48	5.47	3.48	24
25	0.78	5.30	1.92	2.48	13.01	6.10	7.70	3.22	3.88	2.42	5.47	2.72	25
26	0.78	6.61	1.66	2.32	(10.50)	5.65	3.82	4.23	3.02	1.92	5.04	2.54	26
27	0.64	4.78	1.56	2.02	5.65	5.83	3.02	5.04	3.54	2.42	3.95	2.42	27
28	0.44	3.10	2.07	2.66	3.81	6.92	3.15	5.92	5.14	3.56	3.68	1.92	28
29	0.50		2.32	3.34	4.09	4.70	3.02	7.12	5.74	3.74	3.08	1.76	29
30	0.54		2.12	4.18	4.78	3.48	4.16	5.65	6.82	4.02	3.02	1.61	30
31	0.40		2.02		5.47		6.12	5.47		3.60		1.61	31
Sum	38.89	75.78	57.65	75.82	168.32	202.87	126.92	175.13	138.34	129.83	188.08	86.19	
Ave.	1.25	2.71	1.86	2.53	5.43	6.76	4.09	5.65	4.61	4.19	6.27	2.78	

Annual Total 1,463.82

44.3 100 × 1 × 30

Run-off STATION Malvasa

PALACE RIVER, IN THE BASIN OF CAUCA CATCHMENT AREA 35 km^2 UNIT m^3/sec. YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	DATE
1	1.61	1.40	1.82	5.04	3.57	3.82	6.01	3.34	5.10	1.40	3.70	1.08	1
2	1.50	1.50	2.07	7.58	6.98	3.15	4.28	3.22	2.90	1.18	4.56	2.02	2
3	1.50	1.50	2.17	9.82	3.57	2.74	3.82	5.56	5.24	0.87	9.38	1.29	3
4	1.66	1.45	2.22	5.74	2.84	3.02	2.50	6.10	4.30	1.82	5.24	1.76	4
5	1.92	1.45	2.78	3.76	3.15	3.28	2.12	5.27	3.56	2.24	6.01	1.50	5
6	2.37	1.40	3.02	2.60	8.95	3.16	1.87	5.14	1.82	2.55	3.56	1.56	6
7	4.02	1.50	2.48	2.32	8.35	2.96	4.56	2.96	2.06	2.84	1.82	1.82	7
8	8.27	1.40	2.12	2.22	4.38	3.82	(10.50)	2.54	2.90	2.36	1.50	1.08	8
9	8.04	1.40	2.17	1.92	4.68	2.35	(10.50)	2.78	3.58	1.82	2.83	1.56	9
10	7.03	1.71	1.92	1.71	5.27	2.55	(10.50)	4.17	2.92	1.50	6.51	1.08	10
11	5.38	2.22	1.71	1.71	8.35	2.22	(10.50)	6.82	3.70	1.76	5.24	1.08	11
12	3.02	2.84	1.18	1.71	10.81	1.29	(10.50)	5.74	3.28	6.01	3.70	0.98	12
13	2.72	3.02	1.08	1.56	8.45	1.71	(10.50)	3.56	3.15	6.20	4.47	1.24	13
14	2.38	3.54	1.03	1.50	8.50	1.29	(10.50)	3.76	5.24	4.38	5.24	1.56	14
15	2.02	4.23	1.14	2.33	8.45	1.34	7.18	3.28	2.41	3.82	4.16	1.60	15
16	2.22	3.68	1.08	2.60	6.62	2.35	4.02	1.82	1.29	2.35	2.90	1.08	16
17	2.84	3.22	1.29	3.62	6.62	2.56	3.02	2.80	3.26	1.82	1.92	1.03	17
18	4.02	2.90	1.56	5.65	4.68	1.24	2.72	2.60	2.30	1.50	1.82	2.31	18
19	4.16	2.66	4.23	4.37	7.86	1.56	2.22	3.82	1.18	1.50	3.56	3.28	19
20	4.23	2.54	3.41	4.02	9.54	1.50	2.17	3.81	4.17	3.15	2.55	3.83	20
21	3.95	2.42	3.41	3.89	6.62	1.29	2.72	3.08	5.06	2.55	1.14	2.96	21
22	3.54	2.22	3.08	2.60	10.61	1.76	6.75	2.47	3.62	3.28	3.82	2.47	22
23	3.24	1.92	2.90	2.66	7.25	1.50	(10.50)	2.17	3.88	2.35	4.38	2.47	23
24	3.41	1.82	2.37	2.72	.46	1.50	11.28	4.30	2.56	2.78	3.70	4.30	24
25	2.55	1.60	2.72	2.54	6.72	1.40	3.57	3.88	2.41	2.42	2.47	3.28	25
26	1.92	1.82	5.65	2.72	.10	2.55	5.40	2.94	2.55	2.36	3.44	3.28	26
27	1.71	1.71	5.74	2.78	5.95	1.76	3.22	4.49	1.92	2.96	3.28	3.20	27
28	1.71	1.71	5.83	2.78	7.46	2.78	2.90	2.84	1.50	2.35	2.35	2.55	28
29	1.82		5.38	2.48	7.25	6.10	2.92	3.58	0.87	2.42	1.76	1.50	29
30	1.56		5.47	2.12	9.54	5.38	3.28	(10.50)	1.40	2.47	0.87	1.18	30
31	1.45		5.12		5.27		1.92	7.95		3.62		1.50	31
Sum	98.27	60.78	88.15	99.07	212.85	73.93	174.45	127.29	90.53	80.63	107.88	61.43	
Ave.	3.17	2.17	2.84	3.30	6.87	2.46	5.63	4.11	3.02	2.60	3.60	1.98	

Annual Total	1,275.26

Note: Figures from 1 May to 31 May were estimated by a hydraulic analysis.

44.3 100 × 1 × 30

III – 3. RUN-OFF DURATION TABLES

	Gauging Station	Catchment Area (km^2)	Recording Period
(1)	Julumito	939.0	Jan. 1962 – Dec. 1971
(2)	Malvasa	35.0	Jan. 1962 – Dec. 1971

Table Daily Flow Duration STATION Fulumito CATCHMENT AREA 939 Km^2 YEAR 1962 UNIT m^3/sec.

1	194.7	31	40.6	61	30.3	91	25.8	121	22.8	151	21.1	181	19.8	211	19.2	241	18.6	271	18.1	301	17.1	331	15.9	361	12.9
2	158.8	32	40.4	62	30.2	92	25.8	122	22.6	152	20.9	182	19.8	212	19.2	242	18.6	272	18.0	302	17.1	332	15.8	362	12.9
3	154.3	33	40.0	63	30.1	93	25.6	123	22.5	153	20.8	183	19.8	213	19.1	243	18.6	273	18.0	303	17.1	333	15.8	363	12.9
4	148.4	34	40.0	64	30.1	94	25.6	124	22.5	154	20.8	184	19.8	214	19.1	244	18.5	274	18.0	304	17.1	334	15.8	364	12.9
5	140.6	35	39.7	65	30.0	95	25.3	125	22.5	155	20.7	185	19.8	215	19.1	245	18.5	275	18.0	305	17.1	335	15.8	365	12.8
6	132.8	36	39.5	66	29.9	96	25.3	126	22.3	156	20.7	186	19.8	216	19.1	246	18.5	276	18.0	306	17.1	336	15.8		
7	124.3	37	38.4	67	29.9	97	25.2	127	22.2	157	20.6	187	19.8	217	19.1	247	18.5	277	18.0	307	17.1	337	15.6		
8	119.8	38	37.2	68	29.7	98	25.2	128	22.2	158	20.6	188	19.7	218	19.1	248	18.5	278	18.0	308	17.1	338	15.4		
9	117.4	39	37.0	69	29.3	99	25.2	129	22.2	159	20.6	189	19.7	219	19.1	249	18.4	279	18.0	309	17.1	339	15.4		
10	96.4	40	36.5	70	28.9	100	25.0	130	22.1	160	20.5	190	19.7	220	19.1	250	18.4	280	18.0	310	17.1	340	15.4		
11	87.7	41	36.4	71	28.9	101	25.0	131	22.0	161	20.4	191	19.7	221	19.1	251	18.4	281	18.0	311	17.1	341	15.4		
12	74.4	42	35.8	72	28.6	102	24.5	132	22.0	162	20.3	192	19.6	222	19.1	252	18.4	282	18.0	312	17.1	342	15.4		
13	69.2	43	35.2	73	28.5	103	24.4	133	21.9	163	20.3	193	19.6	223	19.0	253	18.4	283	18.0	313	16.9	343	15.2		
14	67.1	44	35.0	74	28.2	104	24.4	134	21.8	164	20.3	194	19.6	224	19.0	254	18.4	284	18.0	314	16.9	344	15.2		
15	62.2	45	34.8	75	28.2	105	24.3	135	21.7	165	20.2	195	19.6	225	19.0	255	18.4	285	18.0	315	16.9	345	15.1		
16	60.7	46	33.9	76	28.2	106	24.1	136	21.7	166	20.1	196	19.5	226	19.0	256	18.4	286	17.9	316	16.6	346	15.0		
17	60.6	47	33.8	77	28.0	107	24.1	137	21.7	167	20.1	197	19.5	227	19.0	257	18.3	287	17.7	317	16.5	347	15.0		
18	57.7	48	33.7	78	27.9	108	24.0	138	21.6	168	20.0	198	19.4	228	18.9	258	18.3	288	17.6	318	16.5	348	15.0		
19	55.8	49	33.5	79	27.9	109	23.9	139	21.6	169	20.0	199	19.4	229	18.9	259	18.3	289	17.6	319	16.3	349	14.8		
20	53.4	50	33.2	80	27.8	110	23.8	140	21.6	170	20.0	200	19.4	230	18.9	260	18.3	290	17.6	320	16.1	350	14.6		
21	50.0	51	33.2	81	27.8	111	23.8	141	21.6	171	20.0	201	19.4	231	18.9	261	18.2	291	17.6	321	16.1	351	14.4		
22	48.2	52	33.2	82	27.3	112	23.7	142	21.5	172	20.0	202	19.4	232	18.9	262	18.2	292	17.6	322	15.9	352	14.4		
23	48.2	53	32.7	83	27.1	113	23.6	143	21.4	173	20.0	203	19.3	233	18.8	263	18.2	293	17.5	323	15.9	353	14.3		
24	45.4	54	32.1	84	26.9	114	23.6	144	21.4	174	20.0	204	19.2	234	18.8	264	18.2	294	17.5	324	15.9	354	14.3		
25	44.8	55	31.8	85	26.7	115	23.4	145	21.4	175	19.9	205	19.2	235	18.8	265	18.2	295	17.5	325	15.9	355	14.2		
26	44.6	56	31.7	86	26.1	116	23.3	146	21.4	176	19.9	206	19.2	236	18.8	266	18.2	296	17.4	326	15.9	356	13.8		
27	44.6	57	31.2	87	25.9	117	23.3	147	21.2	177	19.9	207	19.2	237	18.7	267	18.2	297	17.4	327	15.9	357	13.8		
28	41.4	58	31.0	88	25.9	118	23.3	148	21.2	178	19.9	208	19.2	238	18.7	268	18.1	298	17.4	328	15.9	358	13.3		
29	41.4	59	30.9	89	25.9	119	23.2	149	21.2	179	19.9	209	19.2	239	18.6	269	18.1	299	17.3	329	15.9	359	13.1		
30	40.7	60	30.4	90	25.9	120	23.1	150	21.2	180	19.8	210	19.2	240	18.6	270	18.1	300	17.2	330	15.9	360	12.9		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	194.7	39.7	25.3	19.8	18.0	14.2	12.8	26.4

Table Daily Flow Duration STATION Julumito CATCHMENT AREA 939 Km^2 YEAR 1963 UNIT m^3/sec.

1	104.0	31	31.0	61	25.9	91	23.0	121	21.7	151	20.9	181	20.0	211	19.2	241	18.8	271	18.3	301	18.1	331	18.0	361	13.8
2	99.4	32	31.0	62	25.6	92	23.0	122	21.7	152	20.9	182	20.0	212	19.2	242	18.8	272	18.3	302	18.1	332	17.9	362	13.8
3	99.3	33	30.8	63	25.6	93	23.0	123	21.7	153	20.9	183	20.0	213	19.2	243	18.8	273	18.3	303	18.1	333	17.9	363	13.8
4	96.1	34	30.7	64	25.4	94	22.9	124	21.7	154	20.9	184	20.0	214	19.2	244	18.8	274	18.3	304	18.1	334	17.9	364	13.8
5	80.3	35	29.9	65	25.3	95	22.9	125	21.7	155	20.9	185	20.0	215	19.2	245	18.8	275	18.3	305	18.1	335	17.8	365	13.8
6	79.3	36	29.9	66	25.0	96	22.8	126	21.7	156	20.8	186	19.9	216	19.2	246	18.7	276	18.3	306	18.1	336	17.8		
7	77.2	37	29.3	67	25.0	97	22.8	127	21.7	157	20.8	187	19.9	217	19.2	247	18.7	277	18.2	307	18.1	337	17.8		
8	71.0	38	29.2	68	25.0	98	22.8	128	21.7	158	20.8	188	19.8	218	19.2	248	18.6	278	18.2	308	18.1	338	17.8		
9	68.8	39	28.6	69	24.9	99	22.7	129	21.7	159	20.8	189	19.8	219	19.2	249	18.6	279	18.2	309	18.1	339	17.8		
10	66.8	40	28.6	70	24.8	100	22.7	130	21.7	160	20.7	190	19.8	220	19.2	250	18.6	280	18.2	310	18.1	340	17.5		
11	65.9	41	28.5	71	24.5	101	22.6	131	21.6	161	20.6	191	19.8	221	19.2	251	18.6	281	18.2	311	18.1	341	17.1		
12	65.9	42	28.5	72	24.5	102	22.6	132	21.6	162	20.6	192	19.7	222	19.1	252	18.6	282	18.2	312	18.1	342	16.6		
13	61.6	43	28.2	73	24.5	103	22.6	133	21.5	163	20.5	193	19.7	223	19.1	253	18.6	283	18.2	313	18.1	343	16.2		
14	59.6	44	28.2	74	24.5	104	22.6	134	21.4	164	20.5	194	19.7	224	19.1	254	18.5	284	18.2	314	18.0	344	16.2		
15	58.6	45	27.9	75	24.5	105	22.6	135	21.4	165	20.5	195	19.6	225	19.1	255	18.5	285	18.2	315	18.0	345	15.8		
16	53.7	46	27.0	76	23.2	106	22.4	136	21.3	166	20.5	196	19.6	226	19.1	256	18.5	286	18.2	316	18.0	346	15.8		
17	53.6	47	26.9	77	23.9	107	22.4	137	21.3	167	20.5	197	19.6	227	19.1	257	18.5	287	18.2	317	18.0	347	15.8		
18	53.2	48	26.6	78	23.9	108	22.3	138	21.2	168	20.4	198	19.6	228	19.0	258	18.5	288	18.2	318	18.0	348	15.8		
19	50.0	49	26.6	79	23.7	109	22.3	139	21.2	169	20.4	199	19.6	229	19.0	259	18.5	289	18.2	319	18.0	349	15.4		
20	49.7	50	26.4	80	23.7	110	22.1	140	21.2	170	20.4	200	19.5	230	19.0	260	18.5	290	18.2	320	18.0	350	15.2		
21	46.1	51	26.4	81	23.6	111	22.1	141	21.2	171	20.3	201	19.5	231	19.0	261	18.4	291	18.2	321	18.0	351	15.1		
22	40.3	52	26.3	82	23.6	112	22.1	142	21.2	172	20.3	202	19.5	232	18.9	262	18.4	292	18.1	322	18.0	352	14.9		
23	35.8	53	26.3	83	23.3	113	22.1	143	21.1	173	20.3	203	19.5	233	18.9	263	18.4	293	18.1	323	18.0	353	14.9		
24	34.4	54	26.3	84	23.3	114	22.0	144	21.1	174	20.3	204	19.5	234	18.9	264	18.4	294	18.1	324	18.0	354	14.4		
25	34.1	55	26.2	85	23.3	115	22.0	145	21.1	175	20.3	205	19.5	235	18.9	265	18.4	295	18.1	325	18.0	355	14.4		
26	33.9	56	26.2	86	23.3	116	22.0	146	21.1	176	20.2	206	19.4	236	18.9	266	18.4	296	18.1	326	18.0	356	14.1		
27	33.5	57	26.2	87	23.3	117	21.9	147	21.1	177	20.2	207	19.4	237	18.8	267	18.4	297	18.1	327	18.0	357	14.1		
28	32.7	58	26.0	88	23.3	118	21.9	148	21.1	178	20.2	208	19.4	238	18.8	268	18.4	298	18.1	328	18.0	358	14.1		
29	31.8	59	26.0	89	23.3	119	21.8	149	21.1	179	20.0	209	19.4	239	18.8	269	18.3	299	18.1	329	18.0	359	14.1		
30	31.3	60	25.9	90	23.2	120	21.7	150	21.0	180	20.0	210	19.2	240	18.8	270	18.3	300	18.1	330	18.0	360	14.0		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	104.0	29.9	22.9	20.0	18.3	14.4	13.8	23.6

Table Daily Flow Duration STATION Julumito CATCHMENT AREA 939 Km^2 YEAR 1964 UNIT $m^3/sec.$

1	75.3	31	41.4	61	32.0	91	27.1	121	23.1	151	20.8	181	19.4	211	18.2	241	16.9	271	15.5	301	14.0	331	13.1	361	12.8		
2	71.2	32	40.3	62	31.9	92	27.1	122	23.0	152	20.8	182	19.4	212	18.1	242	16.9	272	15.5	302	14.0	332	13.1	362	12.8		
3	68.7	33	40.3	63	31.7	93	27.0	123	23.0	153	20.8	183	19.4	213	18.0	243	16.9	273	15.4	303	14.0	333	13.1	363	12.8		
4	63.7	34	40.3	64	31.6	94	26.6	124	22.9	154	20.7	184	19.1	214	18.0	244	16.8	274	15.4	304	13.9	334	13.1	364	12.8		
5	60.8	35	40.2	65	31.6	95	26.5	125	22.9	155	20.7	185	19.1	215	18.0	245	16.8	275	15.4	305	13.9	335	13.1	365	12.8		
6	60.7	36	38.9	66	30.9	96	26.1	126	22.7	156	20.7	186	19.1	216	18.0	246	16.8	276	15.4	306	13.7	336	13.1	366	12.3		
7	57.9	37	38.8	67	30.9	97	26.1	127	22.6	157	20.6	187	19.0	217	18.9	247	16.8	277	15.3	307	13.7	337	13.1				
8	55.4	38	38.4	68	30.9	98	26.1	128	22.5	158	20.5	188	18.9	218	17.9	248	16.8	278	15.3	308	13.7	338	13.1				
9	53.8	39	37.6	69	30.8	99	26.0	129	22.5	159	20.3	189	18.9	219	17.9	249	16.7	279	15.3	309	13.6	339	13.1				
10	53.1	40	37.5	70	30.8	100	25.8	130	22.4	160	20.3	190	18.9	220	17.9	250	16.7	280	15.2	310	13.5	340	13.1				
11	52.7	41	37.5	71	30.5	101	25.7	131	22.3	161	20.2	191	18.9	221	17.8	251	16.7	281	15.2	311	13.5	341	13.1				
12	51.3	42	36.9	72	30.5	102	25.7	132	22.2	162	20.2	192	18.9	222	17.8	252	16.6	282	15.2	312	13.5	342	13.1				
13	51.3	43	36.1	73	30.4	103	25.5	133	22.1	163	20.1	193	18.9	223	17.8	253	16.6	283	15.2	313	13.5	343	13.1				
14	50.8	44	36.0	74	30.4	104	25.1	134	22.0	164	20.1	194	18.9	224	17.7	254	16.5	284	15.1	314	13.5	344	13.1				
15	50.5	45	35.7	75	30.2	105	25.1	135	22.0	165	20.0	195	18.8	225	17.7	255	16.4	285	15.0	315	13.5	345	12.9				
16	49.2	46	35.7	76	30.1	106	25.0	136	21.8	166	20.0	196	18.7	226	17.7	256	16.4	286	15.0	316	13.5	346	12.8				
17	49.0	47	35.6	77	29.9	107	24.8	137	21.8	167	20.0	197	18.6	227	17.7	257	16.4	287	15.0	317	13.5	347	12.8				
18	48.0	48	35.3	78	29.8	108	24.5	138	21.8	168	19.9	198	18.5	228	17.6	258	16.3	288	15.0	318	13.5	348	12.8				
19	47.6	49	35.0	79	29.8	109	24.5	139	21.8	169	19.8	199	18.5	229	17.5	259	16.2	289	14.5	319	13.5	349	12.8				
20	47.5	50	34.4	80	29.4	110	24.5	140	21.6	170	19.7	200	18.4	230	17.4	260	16.2	290	14.5	320	13.5	350	12.8				
21	47.3	51	33.8	81	29.1	111	24.4	141	21.6	171	19.6	201	18.4	231	17.4	261	16.1	291	14.5	321	13.3	351	12.8				
22	46.9	52	33.8	82	28.9	112	24.2	142	21.6	172	19.6	202	18.3	232	17.4	262	16.1	292	14.5	322	13.3	352	12.8				
23	46.1	53	33.5	83	28.7	113	24.2	143	21.6	173	19.6	203	18.3	233	17.4	263	16.0	293	14.5	323	13.3	353	12.8				
24	46.1	54	33.5	84	28.6	114	24.1	144	21.6	174	19.5	204	18.2	234	17.3	264	15.9	294	14.5	324	13.3	354	12.8				
25	45.9	55	33.4	85	28.5	115	24.1	145	21.6	175	19.5	205	18.2	235	17.2	265	15.9	295	14.5	325	13.3	355	12.8				
26	45.0	56	33.1	86	28.4	116	23.9	146	21.4	176	19.5	206	18.2	236	17.1	266	15.8	296	14.3	326	13.3	356	12.8				
27	44.7	57	32.9	87	28.3	117	23.9	147	21.1	177	19.5	207	18.2	237	17.1	267	15.8	297	14.2	327	13.3	357	12.8				
28	43.9	58	32.7	88	28.0	118	23.9	148	21.0	178	19.4	208	18.2	238	17.1	268	15.7	298	14.2	328	13.1	358	12.8				
29	43.2	59	32.1	89	27.9	119	23.9	149	21.0	179	19.4	209	18.2	239	17.0	269	15.7	299	14.1	329	13.1	359	12.8				
30	42.9	60	32.0	90	27.7	120	23.5	150	20.8	180	19.4	210	18.2	240	17.0	270	15.6	300	14.0	330	13.1	360	12.8				

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	75.3	40.2	26.5	19.1	15.4	12.8	12.3	23.1

Table Daily Flow Duration STATION Julumito CATCHMENT AREA 939 Km^2 YEAR 1965 UNIT $m^3/sec.$

1	76.8	31	47.3	61	40.2	91	31.9	121	27.1	151	24.1	181	21.8	211	19.8	241	18.6	271	17.1	301	15.9	331	14.0	361	12.2		
2	73.9	32	46.8	62	40.1	92	31.8	122	27.0	152	24.1	182	21.6	212	19.8	242	18.5	272	17.0	302	15.9	332	14.0	362	12.2		
3	64.3	33	46.7	63	38.8	93	31.5	123	26.9	153	23.7	183	21.6	213	19.6	243	18.4	273	16.9	303	15.9	333	13.9	363	11.8		
4	64.2	34	46.7	64	38.5	94	31.5	124	26.7	154	23.7	184	21.5	214	19.6	244	18.4	274	16.9	304	15.9	334	13.8	364	11.6		
5	64.1	35	45.9	65	38.3	95	31.2	125	26.6	155	23.7	185	21.3	215	19.5	245	18.4	275	16.8	305	15.8	335	13.7	365	11.4		
6	64.0	36	45.7	66	38.2	96	31.1	126	26.4	156	23.6	186	21.3	216	19.5	246	18.3	276	16.7	306	15.7	336	13.7				
7	62.1	37	45.7	67	38.2	97	31.1	127	26.1	157	23.5	187	21.0	217	19.5	247	18.3	277	16.7	307	15.4	337	13.7				
8	60.4	38	45.6	68	37.8	98	30.5	128	26.1	158	23.5	188	20.9	218	19.5	248	18.3	278	16.7	308	15.4	338	13.7				
9	59.4	39	45.3	69	37.8	99	30.4	129	26.1	159	23.4	189	20.9	219	19.4	249	18.1	279	16.6	309	15.3	339	13.6				
10	58.8	40	45.3	70	37.6	100	30.0	130	26.1	160	23.3	190	20.8	220	19.4	250	18.1	280	16.6	310	15.3	340	13.6				
11	57.9	41	45.1	71	37.5	101	29.7	131	26.0	161	23.3	191	20.8	221	19.3	251	18.0	281	16.5	311	15.1	341	13.3				
12	57.7	42	44.8	72	37.0	102	29.7	132	25.9	162	23.2	192	20.7	222	19.3	252	17.7	282	16.5	312	15.1	342	13.3				
13	55.9	43	44.5	73	36.8	103	29.3	133	25.9	163	23.1	193	20.7	223	19.2	253	17.7	283	16.5	313	15.0	343	13.3				
14	54.3	44	44.3	74	36.3	104	29.3	134	25.8	164	23.1	194	20.7	224	19.1	254	17.7	284	16.5	314	14.9	344	13.3				
15	53.8	45	44.0	75	35.9	105	29.3	135	25.6	165	23.1	195	20.6	225	19.1	255	17.7	285	16.5	315	14.9	345	13.2				
16	52.8	46	43.9	76	35.7	106	29.2	136	25.6	166	23.0	196	20.6	226	19.0	256	17.6	286	16.5	316	14.8	346	13.1				
17	52.2	47	43.7	77	35.7	107	29.0	137	25.4	167	23.0	197	20.5	227	19.0	257	17.6	287	16.4	317	14.8	347	13.0				
18	52.0	48	43.7	78	35.7	108	28.9	138	25.3	168	22.9	198	20.5	228	19.0	258	17.5	288	16.4	318	14.7	348	12.9				
19	51.8	49	43.6	79	35.6	109	28.7	139	25.3	169	22.9	199	20.4	229	18.9	259	17.5	289	16.3	319	14.6	349	12.8				
20	51.7	50	43.5	80	34.9	110	28.5	140	25.2	170	22.8	200	20.3	230	18.9	260	17.5	290	16.3	320	14.5	350	12.8				
21	50.4	51	43.2	81	34.7	111	28.2	141	25.2	171	22.6	201	20.3	231	18.9	261	17.4	291	16.3	321	14.5	351	12.8				
22	50.4	52	42.9	82	34.5	112	28.2	142	25.1	172	22.6	202	20.2	232	18.8	262	17.4	292	16.2	322	14.5	352	12.7				
23	49.2	53	42.5	83	34.2	113	28.1	143	24.8	173	22.6	203	20.2	233	18.8	263	17.4	293	16.1	323	14.4	353	12.7				
24	48.9	54	42.4	84	34.0	114	27.9	144	24.8	174	22.5	204	20.1	234	18.7	264	17.4	294	16.1	324	14.4	354	12.7				
25	48.9	55	42.2	85	33.5	115	27.8	145	24.7	175	22.3	205	20.1	235	18.7	265	17.4	295	16.1	325	14.4	355	12.6				
26	48.4	56	41.7	86	33.3	116	27.7	146	24.7	176	22.2	206	20.1	236	18.7	266	17.3	296	16.0	326	14.3	356	12.6				
27	48.3	57	41.4	87	33.2	117	27.5	147	24.7	177	22.2	207	20.1	237	18.7	267	17.3	297	16.0	327	14.3	357	12.5				
28	48.1	58	41.2	88	32.5	118	27.4	148	24.6	178	22.0	208	20.0	238	18.6	268	17.2	298	16.0	328	14.2	358	12.5				
29	48.1	59	41.0	89	32.3	119	27.3	149	24.5	179	21.9	209	19.9	239	18.6	269	17.1	299	16.0	329	14.1	359	12.3				
30	47.6	60	40.4	90	32.0	120	27.1	150	24.5	180	21.8	210	19.9	240	18.6	270	17.1	300	16.0	330	14.1	360	12.2				

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	76.8	45.9	31.2	21.3	16.8	12.6	11.4	26.1

Table Daily Flow Duration STATION Julumito CATCHMENT AREA 939 Km^2 YEAR 1966 UNIT m^3/sec.

1	94.0	31	36.0	61	28.0	91	23.9	121	22.2	151	20.5	181	19.1	211	18.2	241	17.3	271	16.4	301	15.5	331	14.4	361	12.4				
2	84.9	32	35.0	62	27.7	92	23.7	122	22.2	152	20.4	182	18.9	212	18.2	242	17.3	272	16.4	302	15.4	332	14.3	362	11.4				
3	83.4	33	35.0	63	27.6	93	23.7	123	22.2	153	20.3	183	18.9	213	18.1	243	17.2	273	16.4	303	15.4	333	14.2	363	10.3				
4	78.6	34	34.6	64	27.3	94	23.7	124	22.0	154	20.2	184	18.9	214	17.9	244	17.2	274	16.3	304	15.4	334	14.2	364	8.1				
5	76.3	35	33.6	65	27.2	95	23.6	125	22.0	155	20.1	185	18.9	215	17.9	245	17.2	275	16.3	305	15.4	335	14.1	365	7.8				
6	74.7	36	33.6	66	26.9	96	23.6	126	21.9	156	20.1	186	18.9	216	17.9	246	17.2	276	16.3	306	15.3	336	14.1						
7	67.5	37	33.5	67	26.5	97	23.6	127	21.9	157	20.0	187	18.8	217	17.8	247	17.2	277	16.2	307	15.3	337	14.1						
8	61.7	38	33.2	68	26.5	98	23.6	128	21.9	158	20.0	188	18.8	218	17.8	248	17.2	278	16.2	308	15.2	338	14.0						
9	60.0	39	33.2	69	26.3	99	23.4	129	21.9	159	20.0	189	18.8	219	17.8	249	17.1	279	16.1	309	15.2	339	14.0						
10	58.7	40	33.2	70	25.8	100	23.4	130	21.9	160	20.0	190	18.7	220	17.7	250	17.0	280	16.1	310	15.2	340	14.0						
11	57.0	41	32.7	71	25.7	101	23.3	131	21.8	161	20.0	191	18.7	221	17.6	251	17.0	281	16.0	311	15.2	341	14.0						
12	56.3	42	32.6	72	25.7	102	23.3	132	21.7	162	19.9	192	18.7	222	17.6	252	16.9	282	16.0	312	15.0	342	14.0						
13	55.6	43	32.6	73	25.3	103	23.3	133	21.7	163	19.9	193	18.6	223	17.6	253	16.9	283	15.9	313	15.0	343	14.0						
14	54.5	44	31.8	74	25.2	104	23.3	134	21.7	164	19.8	194	18.6	224	17.6	254	16.9	284	15.9	314	15.0	344	13.9						
15	53.6	45	31.0	75	25.2	105	23.2	135	21.6	165	19.8	195	18.6	225	17.6	255	16.9	285	15.9	315	14.9	345	13.9						
16	52.7	46	30.3	76	25.0	106	23.2	136	21.6	166	19.7	196	18.6	226	17.5	256	16.9	286	15.9	316	14.9	346	13.9						
17	51.1	47	29.9	77	25.0	107	23.2	137	21.4	167	19.7	197	18.5	227	17.5	257	16.9	287	15.9	317	14.8	347	13.8						
18	50.1	48	29.8	78	24.8	108	23.2	138	21.4	168	19.7	198	18.5	228	17.5	258	16.9	288	15.8	318	14.7	348	13.7						
19	50.0	49	29.5	79	24.7	109	23.1	139	21.4	169	19.6	199	18.4	229	17.5	259	16.8	289	15.7	319	14.7	349	13.7						
20	46.2	50	29.5	80	24.7	110	23.1	140	21.3	170	19.6	200	18.4	230	17.5	260	16.8	290	15.7	320	14.7	350	13.7						
21	45.4	51	29.1	81	24.6	111	23.0	141	21.2	171	19.6	201	18.4	231	17.5	261	16.8	291	15.7	321	14.7	351	13.6						
22	44.8	52	29.0	82	24.5	112	22.9	142	21.2	172	19.5	202	18.3	232	17.4	262	16.7	292	15.7	322	14.7	352	13.5						
23	44.2	53	29.0	83	24.5	113	22.8	143	21.2	173	19.5	203	18.3	233	17.4	263	16;7	293	15.7	323	14.6	353	13.2						
24	44.2	54	29.0	84	24.5	114	22.7	144	21.0	174	19.5	204	18.3	234	17.4	264	16.7	294	15.6	324	14.6	354	13.1						
25	44.1	55	29.0	85	24.5	115	22.7	145	20.8	175	19.4	205	18.3	235	17.4	265	16.6	295	15.6	325	14.6	355	12.9						
26	40.3	56	28.8	86	24.4	116	22.6	146	20.7	176	19.4	206	18.2	236	17.4	266	16.6	296	15.6	326	14.6	356	12.8						
27	39.5	57	28.8	87	24.3	117	22.4	147	20.7	177	19.3	207	18.2	237	17.4	267	16.5	297	15.5	327	14.6	357	12.8						
28	37.7	58	28.4	88	24.3	118	22.4	148	20.7	178	19.2	208	18.2	238	17.3	268	16.5	298	15.5	328	14.6	358	12.6						
29	36.6	59	28.3	89	24.2	119	22.4	149	20.7	179	19.2	209	18.2	239	17.3	269	16.5	299	15.5	329	14.5	359	12.5						
30	36.5	60	28.2	90	24.2	120	22.4	150	20.6	180	19.2	210	18.2	240	17.3	270	16.5	300	15.5	330	14.4	360	12.4						

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	94.0	33.6	23.6	18.9	16.3	12.9	7.8	22.7

Table Daily Flow Duration STATION Julumito CATCHMENT AREA 939 Km^2 YEAR 1967 UNIT m^3/sec.

1	141.5	31	48.2	61	34.1	91	28.5	121	25.3	151	23.2	181	21.3	211	19.5	241	18.7	271	18.2	301	17.9	331	15.9	361	13.0				
2	107.5	32	47.9	62	33.9	92	28.3	122	25.2	152	23.1	182	21.2	212	19.4	242	18.7	272	18.2	302	17.9	332	15.9	362	13.0				
3	101.6	33	47.4	63	33.9	93	28.3	123	25.1	153	23.0	183	21.1	213	19.4	243	18.7	273	18.2	303	17.9	333	15.9	363	12.7				
4	100.4	34	45.8	64	33.5	94	28.2	124	25.0	154	22.9	184	20.9	214	19.4	244	18.6	274	18.2	304	17.7	334	15.9	364	12.5				
5	97.4	35	45.4	65	33.5	95	28.2	125	24.9	155	22.9	185	20.8	215	19.3	245	18.5	275	18.2	305	17.7	335	15.8	365	12.5				
6	90.5	36	45.3	66	33.5	96	28.2	126	24.7	156	22.8	186	20.8	216	19.2	246	18.5	276	18.1	306	17.6	336	15.8						
7	88.6	37	44.9	67	33.5	97	27.9	127	24.6	157	22.8	187	20.7	217	19.2	247	18.5	277	18.1	307	17.6	337	15.7						
8	82.3	38	44.9	68	32.9	98	27.6	128	24.6	158	22.8	188	20.7	218	19.2	248	18.5	278	18.1	308	17.6	338	15.6						
9	79.8	39	44.9	69	32.5	99	27.2	129	24.5	159	22.6	189	20.6	219	19.2	249	18.5	279	18.1	309	17.4	339	15.4						
10	77.7	40	44.1	70	32.3	100	27.1	130	24.5	160	22.6	190	20.5	220	19.1	250	18.5	280	18.1	310	17.4	340	15.4						
11	74.4	41	44.1	71	32.0	101	26.9	131	24.5	161	22.6	191	20.4	221	19.1	251	18.5	281	18.1	311	17.4	341	15.4						
12	72.1	42	40.7	72	31.9	102	26.8	132	24.2	162	22.4	192	20.3	222	19.0	252	18.4	282	18.1	312	17.3	342	15.4						
13	71.9	43	40.0	73	31.8	103	26.7	133	24.2	163	22.3	193	20.3	223	19.0	253	18.4	283	18.1	313	17.1	343	15.2						
14	70.1	44	40.0	74	31.6	104	26.7	134	24.2	164	22.2	194	20.3	224	19.0	254	18.4	284	18.1	314	17.1	344	15.1						
15	68.7	45	40.0	75	31.5	105	26.7	135	24.2	165	22.1	195	20.3	225	18.9	255	18.4	285	18.1	315	17.0	345	15.1						
16	64.8	46	40.0	76	31.5	106	26.6	136	24.2	166	22.0	196	20.2	226	18.9	256	18.4	286	18.1	316	16.9	346	15.1						
17	61.5	47	38.2	77	30.7	107	26.6	137	24.1	167	22.0	197	20.2	227	18.9	257	18.4	287	18.0	317	16.8	347	15.0						
18	61.0	48	38.2	78	30.6	108	26.5	138	24.0	168	22.0	198	20.0	228	18.9	258	18.3	288	18.0	318	16.7	348	15.0						
19	58.5	49	38.2	79	30.4	109	26.3	139	23.9	169	21.9	199	19.9	229	18.9	259	18.3	289	18.0	319	16.6	349	14.9						
20	57.0	50	37.9	80	30.4	110	26.2	140	23.9	170	21.8	200	19.9	230	18.9	260	18.3	290	18.0	320	16.6	350	14.9						
21	55.8	51	36.1	81	30.2	111	26.0	141	23.9	171	21.8	201	19.9	231	18.9	261	18.3	291	18.0	321	16.5	351	14.7						
22	54.9	52	35.9	82	30.0	112	25.9	142	23.7	172	21.7	202	19.8	232	18.9	262	18.3	292	18.0	322	16.5	352	14.6						
23	53.4	53	35.3	83	29.0	113	25.9	143	23.6	173	21.7	203	19.7	233	18.9	263	18.3	293	18.0	323	16.5	353	14.4						
24	53.3	54	35.3	84	29.9	114	25.9	144	23.4	174	21.7	204	19.6	234	18.8	264	18.3	294	18.0	324	16.5	354	14.3						
25	52.8	55	35.2	85	29.9	115	25.9	145	23.4	175	21.7	205	19.6	235	18.8	265	18.3	295	18.0	325	16.5	355	14.2						
26	52.1	56	34.9	86	29.4	116	25.8	146	23.3	176	21.7	206	19.6	236	18.8	266	18.3	296	18.0	326	16.5	356	14.1						
27	51.5	57	34.8	87	29.2	117	25.4	147	23.3	177	21.6	207	19.6	237	18.8	267	18.2	297	18.0	327	16.5	357	14.1						
28	51.5	58	34.7	88	28.9	118	25.4	148	23.3	178	21.5	208	19.5	238	18.7	268	18.2	298	18.0	328	16.4	358	13.8						
29	50.7	59	34.4	89	28.9	119	25.3	149	23.2	179	21.4	209	19.5	239	18.7	269	18.2	299	18.0	329	16.2	359	13.8						
30	49.2	60	34.2	90	28.6	120	25.3	150	23.2	180	21.4	210	19.5	240	18.7	270	18.2	300	17.9	330	16.1	360	13.1						

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	141.5	45.4	28.2	20.8	18.2	14.2	12.5	28.8

Table — Daily Flow Duration — STATION Julumito — CATCHMENT AREA 939 Km^2 — YEAR 1968 — UNIT $m^3/sec.$

1	81.3	31	45.4	61	31.3	91	25.7	121	22.9	151	20.8	181	18.8	211	17.2	241	16.0	271	14.9	301	14.0	331	13.0	361	11.1
2	71.0	32	45.2	62	30.6	92	25.7	122	22.9	152	20.6	182	18.8	212	17.1	242	16.0	272	14.9	302	14.0	332	13.0	362	11.1
3	70.0	33	45.1	63	30.6	93	25.7	123	22.6	153	20.6	183	18.8	213	17.1	243	16.0	273	14.9	303	14.0	333	12.9	363	11.1
4	65.0	34	44.5	64	30.5	94	25.7	124	22.6	154	20.5	184	18.8	214	17.0	244	15.9	274	14.8	304	14.0	334	12.9	364	11.0
5	62.1	35	44.4	65	30.3	95	25.6	125	22.5	155	20.4	185	18.6	215	16.9	245	15.9	275	14.8	305	14.0	335	12.9	365	11.0
6	61.8	36	43.9	66	30.2	96	25.1	126	22.5	156	20.4	186	18.6	216	16.9	246	15.7	276	14.8	306	13.9	336	12.8	366	10.4
7	61.3	37	42.9	67	30.1	97	25.1	127	22.4	157	20.4	187	18.5	217	16.8	247	15.6	277	14.7	307	13.9	337	12.8		
8	61.2	38	42.2	68	29.6	98	25.0	128	22.4	158	20.3	188	18.4	218	16.8	248	15.5	278	14.7	308	13.8	338	12.7		
9	60.2	39	41.2	69	29.3	99	25.0	129	22.4	159	20.2	189	18.4	219	16.7	249	15.5	279	14.7	309	13.8	339	12.7		
10	60.1	40	40.6	70	28.7	100	24.8	130	22.1	160	20.1	190	18.4	220	16.7	250	15.4	280	14.7	310	13.7	340	12.7		
11	59.3	41	39.3	71	27.9	101	24.6	131	22.0	161	19.8	191	18.4	221	16.7	251	15.4	281	14.7	311	13.7	341	12.7		
12	59.2	42	39.0	72	27.9	102	24.6	132	22.0	162	19.8	192	18.4	222	16.7	252	15.4	282	14.6	312	13.7	342	12.6		
13	59.0	43	38.6	73	27.9	103	24.5	133	21.7	163	19.8	193	18.1	223	16.7	253	15.4	283	14.6	313	13.7	343	12.6		
14	58.0	44	38.5	74	27.9	104	24.5	134	21.4	164	19.8	194	18.0	224	16.6	254	15.3	284	14.6	314	13.7	344	12.4		
15	56.7	45	38.4	75	27.8	105	24.1	135	21.4	165	19.7	195	18.0	225	16.6	255	15.3	285	14.6	315	13.6	345	12.3		
16	54.7	46	37.4	76	27.8	106	24.1	136	21.4	166	19.7	196	18.0	226	16.6	256	15.3	286	14.6	316	13.6	346	12.1		
17	54.4	47	37.3	77	27.8	107	24.1	137	21.4	167	19.6	197	17.9	227	16.6	257	15.3	287	14.5	317	13.6	347	12.1		
18	54.0	48	36.5	78	27.3	108	24.0	138	21.4	168	19.6	198	17.9	228	16.6	258	15.2	288	14.5	318	13.6	348	12.1		
19	53.0	49	36.1	79	27.1	109	23.9	139	21.3	169	19.6	199	17.8	229	16.5	259	15.2	289	14.4	319	13.5	349	12.1		
20	52.2	50	35.2	80	27.1	110	23.8	140	21.3	170	19.4	200	17.7	230	16.5	260	15.2	290	14.4	320	13.4	350	12.0		
21	52.1	51	35.0	81	26.8	111	23.7	141	21.2	171	19.4	201	17.7	231	16.4	261	15.2	291	14.3	321	13.4	351	11.9		
22	52.0	52	34.8	82	26.8	112	23.7	142	21.2	172	19.4	202	17.7	232	16.4	262	15.2	292	14.3	322	13.4	352	11.9		
23	51.5	53	33.8	83	26.7	113	23.4	143	21.2	173	19.4	203	17.6	233	16.4	263	15.2	293	14.3	323	13.4	353	11.9		
24	49.3	54	33.8	84	26.6	114	23.4	144	21.2	174	19.4	204	17.6	234	16.4	264	15.2	294	14.3	324	13.3	354	11.9		
25	49.2	55	32.4	85	26.6	115	23.4	145	21.1	175	19.3	205	17.5	235	16.4	265	15.1	295	14.2	325	13.3	355	11.9		
26	48.8	56	32.3	86	26.4	116	23.2	146	20.9	176	19.1	206	17.5	236	16.4	266	15.1	296	14.2	326	13.3	356	11.9		
27	47.2	57	32.2	87	26.1	117	23.0	147	20.9	177	19.0	207	17.5	237	16.2	267	15.0	297	14.2	327	13.2	357	11.5		
28	47.2	58	31.9	88	26.0	118	23.0	148	20.8	178	18.9	208	17.5	238	16.2	268	15.0	298	14.2	328	13.2	358	11.5		
29	46.7	59	31.7	89	25.8	119	23.0	149	20.8	179	18.8	209	17.3	239	16.1	269	14.9	299	14.1	329	13.1	359	11.5		
30	45.9	60	31.3	90	25.7	120	23.0	150	20.8	180	18.8	210	17.2	240	16.1	270	14.9	300	14.0	330	13.1	360	11.1		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	81.3	44.4	25.6	18.6	14.8	11.9	10.4	23.1

Table — Daily Flow Duration — STATION Julumito — CATCHMENT AREA 939 Km^2 — YEAR 1969 — UNIT $m^3/sec.$

1	148.2	31	42.4	61	37.8	91	33.5	121	29.9	151	26.8	181	24.5	211	22.5	241	20.8	271	18.6	301	17.9	331	14.4	361	10.6
2	117.9	32	42.4	62	37.7	92	33.5	122	29.8	152	26.8	182	24.2	212	22.5	242	20.8	272	18.4	302	17.9	332	14.3	362	9.8
3	108.6	33	42.4	63	37.5	93	33.2	123	29.8	153	26.6	183	24.2	213	22.5	243	20.8	273	18.4	303	17.9	333	14.3	363	9.8
4	55.6	34	42.4	64	37.4	94	33.2	124	29.8	154	26.5	184	24.2	214	22.4	244	20.8	274	18.3	304	17.9	334	14.0	364	9.8
5	54.4	35	42.4	65	37.4	95	33.1	125	29.6	155	26.5	185	24.2	215	22.3	245	20.6	275	18.3	305	17.9	335	14.0	365	9.4
6	54.3	36	42.3	66	37.3	96	33.1	126	29.4	156	26.4	186	24.2	216	22.2	246	20.4	276	18.3	306	17.8	336	13.8		
7	52.1	37	42.3	67	38.3	97	33.0	127	29.0	157	26.4	187	24.2	217	22.2	247	20.4	277	18.3	307	17.7	337	13.8		
8	50.8	38	42.3	68	37.0	98	32.9	128	29.0	158	26.1	188	24.1	218	22.2	248	20.4	278	18.3	308	17.7	338	13.8		
9	48.7	39	42.3	69	36.8	99	32.9	129	29.0	159	26.1	189	24.0	219	22.2	249	20.3	279	18.2	309	17.7	339	13.8		
10	48.2	40	42.3	70	36.4	100	32.6	130	29.0	160	26.0	190	24.0	220	22.0	250	20.2	280	18.1	310	17.7	340	13.6		
11	48.1	41	41.8	71	36.2	101	32.4	131	28.8	161	26.0	191	24.0	221	21.8	251	20.2	281	18.1	311	17.5	341	13.6		
12	47.9	42	41.8	72	35.9	102	32.3	132	28.6	162	26.0	192	24.0	222	21.8	252	20.2	282	18.1	312	17.4	342	13.5		
13	47.5	43	41.6	73	35.7	103	32.0	133	28.6	163	25.8	193	23.9	223	21.8	253	20.0	283	18.1	313	17.2	343	13.4		
14	47.0	44	41.3	74	35.4	104	32.0	134	28.6	164	25.7	194	23.8	224	21.8	254	20.0	284	18.1	314	17.2	344	13.1		
15	45.3	45	41.3	75	35.4	105	31.9	135	28.6	165	25.6	195	23.8	225	21.8	255	19.9	285	18.0	315	16.8	345	12.8		
16	44.9	46	41.3	76	35.4	106	31.9	136	28.6	166	25.6	196	23.5	226	21.5	256	19.7	286	18.0	316	16.8	346	12.8		
17	44.9	47	41.0	77	35.2	107	31.9	137	28.3	167	25.4	197	23.4	227	21.5	257	19.6	287	18.0	317	16.8	347	12.8		
18	44.9	48	40.3	78	35.2	108	31.8	138	28.3	168	25.4	198	23.2	228	21.5	258	19.6	288	18.0	318	16.8	348	12.3		
19	44.4	49	39.8	79	35.2	109	31.8	139	28.2	169	25.4	199	23.2	229	21.5	259	19.4	289	18.0	319	16.5	349	12.3		
20	44.4	50	39.4	80	35.0	110	31.4	140	28.0	170	25.4	200	23.2	230	21.5	260	19.4	290	18.0	320	16.2	350	12.3		
21	44.0	51	39.3	81	34.9	111	31.2	141	27.9	171	25.3	201	23.0	231	21.5	261	19.4	291	18.0	321	15.4	351	12.2		
22	44.0	52	39.3	82	34.5	112	31.2	142	27.9	172	25.3	202	23.0	232	21.3	262	19.2	292	18.0	322	15.4	352	12.0		
23	43.8	53	39.0	83	34.4	113	31.0	143	27.9	173	25.1	203	22.8	233	21.3	263	19.0	293	18.0	323	15.3	353	11.9		
24	43.1	54	38.8	84	34.4	114	31.0	144	27.4	174	25.0	204	22.8	234	21.3	264	19.0	294	17.9	324	15.2	354	11.9		
25	43.1	55	38.8	85	34.4	115	31.0	145	27.4	175	25.0	205	22.8	235	21.2	265	18.8	295	17.9	325	15.1	355	11.8		
26	42.4	56	38.8	86	34.0	116	30.6	146	27.1	176	25.0	206	22.8	236	21.2	266	18.7	296	17.9	326	15.0	356	11.7		
27	42.4	57	38.8	87	34.0	117	30.6	147	27.1	177	24.9	207	22.8	237	21.2	267	18.7	297	17.9	327	15.0	357	11.0		
28	42.4	58	38.6	88	33.8	118	30.2	148	27.1	178	24.8	208	22.9	238	20.9	268	18.7	298	17.9	328	14.8	358	10.8		
29	42.4	59	38.4	89	33.7	119	30.2	149	27.1	179	24.7	209	22.6	239	20.9	269	18.6	299	17.9	329	14.6	359	10.8		
30	42.4	60	38.4	90	33.5	120	30.0	150	27.0	180	24.7	210	22.5	240	20.8	270	18.6	300	17.9	330	14.4	360	10.6		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	148.2	42.4	33.1	24.2	18.3	11.8	9.4	27.2

Table — Daily Flow Duration — STATION Julumito — CATCHMENT AREA 939 Km^2 — YEAR 1970 — UNIT m^3/sec.

1	90.2	31	42.8	61	39.3	91	33.4	121	30.3	151	27.4	181	24.3	211	22.6	241	21.0	271	19.5	301	17.5	331	15.4	361	11.4
2	76.2	32	42.8	62	38.8	92	33.4	122	30.0	152	27.4	182	24.3	212	22.5	242	20.9	272	19.4	302	17.4	332	15.1	362	11.2
3	73.6	33	42.4	63	38.5	93	33.4	123	29.8	153	27.4	183	24.2	213	22.3	243	20.4	273	19.3	303	17.4	333	15.1	363	11.2
4	65.2	34	42.4	64	38.5	94	33.3	124	29.8	154	27.1	184	24.2	214	22.3	244	20.4	274	19.2	304	17.1	334	14.8	364	11.2
5	63.6	35	42.4	65	38.5	95	33.3	125	29.8	155	27.1	185	24.2	215	22.2	245	20.2	275	19.2	305	17.1	335	14.8	365	11.2
6	57.3	36	42.4	66	37.9	96	33.0	126	29.2	156	27.1	186	24.2	216	22.2	246	20.2	276	18.8	306	17.1	336	14.8		
7	56.4	37	42.4	67	37.8	97	32.9	127	29.1	157	27.1	187	24.2	217	21.9	247	20.2	277	18.7	307	17.1	337	14.8		
8	56.1	38	42.4	68	37.4	98	32.7	128	29.1	158	27.1	188	24.2	218	21.9	248	20.2	278	18.6	308	17.1	338	14.3		
9	50.8	39	42.4	69	36.4	99	32.6	129	29.1	159	27.1	189	24.2	219	21.9	249	20.2	279	18.6	309	17.1	339	14.3		
10	50.8	40	42.4	70	36.3	100	32.3	130	29.1	160	27.1	190	23.9	220	21.9	250	20.2	280	18.6	310	17.1	340	14.3		
11	50.3	41	42.4	71	35.9	101	32.2	131	29.1	161	27.1	191	23.9	221	21.9	251	20.2	281	18.6	311	17.1	341	14.0		
12	49.8	42	42.4	72	35.4	102	31.6	132	29.1	162	26.7	192	23.8	222	21.9	252	20.2	282	18.6	312	16.8	342	13.8		
13	47.5	43	42.4	73	35.4	103	31.5	133	29.1	163	26.6	193	23.8	223	21.9	253	20.2	283	18.6	313	16.8	343	13.8		
14	47.5	44	42.4	74	35.4	104	31.5	134	28.8	164	26.4	194	23.8	224	21.8	254	20.2	284	18.6	314	16.6	344	13.2		
15	47.5	45	41.8	75	35.4	105	31.5	135	28.8	165	26.2	195	23.5	225	21.8	255	20.2	285	18.6	315	16.5	345	13.2		
16	47.5	46	41.8	76	35.4	106	31.5	136	28.7	166	26.0	196	23.5	226	21.8	256	20.2	286	18.6	316	16.5	346	13.2		
17	47.1	47	41.1	77	35.2	107	31.5	137	28.7	167	26.0	197	23.5	227	21.8	257	20.2	287	18.4	317	16.3	347	13.2		
18	45.7	48	40.5	78	35.0	108	31.5	138	28.6	168	25.8	198	23.5	228	21.8	258	20.2	288	18.3	318	16.2	348	13.0		
19	45.4	49	40.5	79	35.0	109	31.0	139	28.6	169	25.6	199	23.5	229	21.7	259	20.2	289	18.3	319	16.2	349	13.0		
20	45.4	50	40.3	80	34.9	110	31.0	140	28.6	170	25.6	200	23.5	230	21.6	260	20.2	290	18.3	320	16.0	350	13.0		
21	45.4	51	40.3	81	34.9	111	31.0	141	28.6	171	25.4	201	23.5	231	21.6	261	20.2	291	18.2	321	16.0	351	13.0		
22	45.4	52	40.3	82	34.4	112	31.0	142	28.2	172	25.4	202	23.5	232	21.5	262	19.9	292	18.0	322	16.0	352	13.0		
23	44.9	53	40.3	83	34.1	113	31.0	143	28.2	173	25.2	203	23.5	233	21.5	263	19.9	293	18.0	323	15.9	353	12.8		
24	44.9	54	40.3	84	34.1	114	31.0	144	28.2	174	25.2	204	23.5	234	21.5	264	19.9	294	18.0	324	15.9	354	12.8		
25	44.9	55	40.3	85	34.0	115	31.0	145	27.9	175	25.2	205	23.5	235	21.5	265	19.8	295	18.0	325	15.8	355	12.6		
26	43.9	56	40.3	86	34.0	116	30.8	146	27.9	176	24.8	206	23.5	236	21.5	266	19.6	296	17.8	326	15.6	356	12.3		
27	42.9	57	40.3	87	34.0	117	30.6	147	28.9	177	24.6	207	23.5	237	21.2	267	19.6	297	17.7	327	15.6	357	12.0		
28	42.9	58	40.0	88	33.6	118	30.6	148	27.8	178	24.5	208	23.5	238	21.2	268	19.6	298	17.7	328	15.6	358	11.9		
29	42.9	59	40.0	89	33.4	119	30.6	149	27.6	179	24.4	209	23.2	239	21.2	269	19.6	299	17.7	329	15.4	359	11.7		
30	42.9	60	39.4	90	33.4	120	30.4	150	27.6	180	24.4	210	23.2	240	21.2	270	19.6	300	17.7	330	15.4	360	11.4		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	90.2	42.4	33.3	24.2	19.2	12.6	11.2	27.3

Table — Daily Flow Duration — STATION Julumito — CATCHMENT AREA 939 Km^2 — YEAR 1971 — UNIT m^3/sec.

1	135.6	31	42.4	61	34.0	91	31.0	121	27.1	151	25.4	181	23.5	211	21.9	241	20.2	271	19.2	301	18.3	331	16.8	361	14.3
2	108.6	32	42.4	62	33.0	92	31.0	122	27.1	152	25.4	182	23.5	212	21.9	242	20.2	272	19.2	302	18.3	332	16.8	362	14.3
3	104.9	33	42.4	63	33.6	93	31.0	123	27.1	153	25.4	183	23.5	213	21.8	243	20.2	273	19.2	303	18.3	333	16.8	363	13.8
4	97.5	34	41.3	64	33.4	94	30.6	124	27.1	154	25.2	184	23.4	214	21.8	244	20.2	274	19.2	304	18.3	334	16.6	364	12.4
5	88.9	35	40.8	65	33.4	95	29.8	125	27.1	155	25.2	185	23.4	215	21.8	245	20.2	275	19.2	305	18.3	335	16.6	365	11.0
6	61.8	36	40.5	66	33.4	96	29.8	126	27.1	156	25.1	186	23.2	216	21.8	246	20.2	276	19.2	306	18.3	336	16.5		
7	53.3	37	40.3	67	33.4	97	29.8	127	27.1	157	25.0	187	23.2	217	21.8	247	20.2	277	19.2	307	18.3	337	16.2		
8	50.7	38	40.3	68	33.4	98	29.8	128	27.1	158	24.8	188	23.2	218	21.6	248	20.2	278	19.9	308	18.3	338	16.2		
9	48.2	39	40.3	69	33.4	99	29.4	129	27.1	159	24.8	189	23.2	219	21.6	249	30.2	279	18.9	309	18.1	339	16.2		
10	47.9	40	40.3	70	33.4	100	29.1	130	27.1	160	24.8	190	23.2	220	21.6	250	20.2	280	18.9	310	18.0	340	16.2		
11	47.9	41	40.3	71	33.4	101	29.1	131	27.1	161	24.4	191	23.2	221	21.5	251	20.2	281	18.9	311	18.0	341	16.0		
12	47.0	42	39.9	72	33.0	102	29.1	132	27.1	162	24.2	192	23.1	222	21.5	252	20.2	282	18.9	312	17.9	342	15.6		
13	46.3	43	38.8	73	33.0	103	29.1	133	27.1	163	24.2	193	23.0	223	21.5	253	20.2	283	18.9	313	17.8	343	15.6		
14	45.4	44	37.9	74	33.0	104	29.1	134	27.1	164	24.2	194	22.5	224	21.5	254	20.2	284	18.7	314	17.8	344	15.6		
15	45.4	45	37.9	75	33.0	105	29.0	135	27.1	165	23.8	195	22.5	225	21.4	255	20.2	285	18.7	315	17.7	345	15.6		
16	45.4	46	37.9	76	32.6	106	29.0	136	27.1	166	23.8	196	22.5	226	21.2	256	20.2	286	18.7	316	17.7	346	15.4		
17	45.4	47	37.8	77	32.6	107	29.0	137	27.1	167	23.8	197	22.5	227	21.2	257	20.2	287	18.7	317	17.7	347	15.4		
18	44.8	48	37.4	78	32.3	108	28.9	138	27.1	168	23.8	198	22.2	228	21.2	258	19.9	288	18.6	318	17.1	348	15.4		
19	43.9	49	36.9	79	32.3	109	28.8	139	26.8	169	23.5	199	22.2	229	21.2	259	19.9	289	18.6	319	17.1	349	15.4		
20	42.9	50	36.7	80	32.2	110	28.7	140	26.7	170	23.5	200	22.2	230	20.8	260	19.9	290	18.6	320	17.1	350	15.4		
21	42.9	51	36.6	81	32.0	111	28.6	141	26.4	171	23.5	201	22.2	231	20.7	261	19.8	291	18.6	321	17.1	351	15.4		
22	42.9	52	36.4	82	31.8	112	28.6	142	26.1	172	23.5	202	22.2	232	20.6	262	19.7	292	18.6	322	17.1	352	15.4		
23	42.9	53	35.9	83	31.5	113	28.2	143	25.8	173	23.5	203	22.2	233	20.5	263	19.6	293	18.6	323	17.1	353	15.4		
24	42.9	54	35.9	84	31.5	114	28.2	144	25.8	174	23.5	204	22.2	234	20.5	264	19.6	294	18.4	324	17.1	354	14.8		
25	42.9	55	35.4	85	31.5	115	28.2	145	25.8	175	23.5	205	22.2	235	20.4	265	19.5	295	18.4	325	17.1	355	14.6		
26	42.6	56	35.4	86	31.5	116	27.9	146	25.6	176	23.5	206	22.2	236	20.4	266	19.4	296	18.4	326	16.8	356	14.6		
27	42.4	57	35.4	87	31.5	117	27.8	147	25.6	177	23.5	207	22.2	237	20.4	267	19.3	297	18.4	327	16.8	357	14.3		
28	42.4	58	35.0	88	31.2	118	27.5	148	25.6	178	23.5	208	22.0	238	20.3	268	19.3	298	18.3	328	16.8	358	14.3		
29	42.4	59	34.0	89	31.2	119	27.4	149	25.6	179	23.5	209	21.9	239	20.2	269	19.3	299	18.3	329	16.8	359	14.3		
30	42.4	60	34.0	90	31.0	120	27.4	150	25.4	180	23.5	210	21.9	240	20.2	270	19.3	300	18.3	330	16.8	360	14.3		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	135.0	40.8	29.8	23.4	19.2	14.6	11.0	26.7

YEAR 1962

Table — Daily Flow Duration — STATION Malvasa — CATCHMENT AREA 35 Km^2 — UNIT m^3/sec.

1	27.53	31	9.06	61	5.67	91	4.20	121	3.47	151	3.00	181	2.60	211	2.22	241	1.85	271	1.44	301	1.26	331	1.09	361	0.87
2	24.62	32	8.89	62	5.51	92	4.15	122	3.46	152	2.96	182	2.60	212	2.22	242	1.82	272	1.44	302	1.26	332	1.09	362	0.87
3	24.23	33	8.84	63	5.51	93	4.11	123	3.44	153	2.92	183	2.57	213	2.22	243	1.79	273	1.44	303	1.26	333	1.09	363	0.85
4	23.71	34	8.56	64	5.46	94	4.02	124	3.40	154	2.92	184	2.54	214	2.19	244	1.76	274	1.44	304	1.24	334	1.09	364	0.85
5	23.00	35	8.52	65	5.41	95	3.97	125	3.39	155	2.88	185	2.52	215	2.19	245	1.76	275	1.44	305	1.24	335	1.09	365	0.85
6	22.27	36	8.48	66	5.36	96	3.88	126	3.39	156	2.88	186	2.52	216	2.15	246	1.76	276	1.44	306	1.24	336	1.09		
7	21.45	37	8.39	67	5.30	97	3.88	127	3.39	157	2.88	187	2.52	217	2.12	247	1.76	277	1.44	307	1.24	337	1.09		
8	21.00	38	8.39	68	5.30	98	3.88	128	3.35	158	2.88	188	2.52	218	2.12	248	1.70	278	1.44	308	1.21	338	1.07		
9	20.75	39	8.39	69	5.25	99	3.84	129	3.35	159	2.88	189	2.47	219	2.09	249	1.68	279	1.44	309	1.21	339	1.07		
10	18.48	40	8.27	70	5.20	100	3.84	130	3.35	160	2.88	190	2.45	220	2.07	250	1.68	280	1.44	310	1.21	340	1.07		
11	17.45	41	7.63	71	5.09	101	3.84	131	3.32	161	2.84	191	2.43	221	2.07	251	1.65	281	1.41	311	1.21	341	1.04		
12	15.74	42	7.61	72	4.98	102	3.76	132	3.28	162	2.84	192	2.42	222	2.05	252	1.65	282	1.41	312	1.21	342	1.02		
13	14.72	43	7.56	73	4.84	103	3.76	133	3.27	163	2.80	193	2.42	223	2.02	253	1.62	283	1.39	313	1.21	343	1.02		
14	13.98	44	7.56	74	4.82	104	3.75	134	3.27	164	2.80	194	2.39	224	2.02	254	1.62	284	1.39	314	1.21	344	1.00		
15	13.76	45	7.48	75	4.81	105	3.70	135	3.24	165	2.80	195	2.39	225	2.02	255	1.62	285	1.39	315	1.21	345	0.98		
16	13.74	46	7.44	76	4.76	106	3.70	136	3.24	166	2.80	196	2.37	226	2.02	256	1.59	286	1.39	316	1.19	346	0.96		
17	12.97	47	7.32	77	4.71	107	3.62	137	3.24	167	2.76	197	2.35	227	2.00	257	1.59	287	1.39	317	1.19	347	0.96		
18	12.56	48	7.08	78	4.71	108	3.60	138	3.20	168	2.76	198	2.32	228	1.99	258	1.59	288	1.36	318	1.17	348	0.96		
19	11.64	49	6.90	79	4.71	109	3.60	139	3.12	169	2.76	199	2.32	229	1.99	259	1.57	289	1.36	319	1.15	349	0.96		
20	11.64	50	6.83	80	4.71	110	3.58	140	3.12	170	2.76	200	2.32	230	1.96	260	1.56	290	1.36	320	1.15	350	0.96		
21	11.10	51	6.83	81	4.65	111	3.58	141	3.12	171	2.76	201	2.32	231	1.96	261	1.56	291	1.36	321	1.15	351	0.96		
22	10.95	52	6.67	82	4.60	112	3.51	142	3.12	172	2.72	202	2.32	232	1.96	262	1.56	292	1.35	322	1.15	352	0.96		
23	10.16	53	6.61	83	4.60	113	3.50	143	3.12	173	2.64	203	2.32	233	1.93	263	1.56	293	1.34	323	1.15	353	0.96		
24	10.10	54	6.15	84	4.54	114	3.47	144	3.12	174	2.64	204	2.29	234	1.93	264	1.54	294	1.31	324	1.13	354	0.94		
25	10.01	55	6.15	85	4.48	115	3.47	145	3.12	175	2.64	205	2.25	235	1.93	265	1.54	295	1.31	325	1.13	355	0.92		
26	9.94	56	5.98	86	4.43	116	3.47	146	3.12	176	2.64	206	2.25	236	1.93	266	1.54	296	1.31	326	1.11	356	0.90		
27	9.90	57	5.94	87	4.41	117	3.47	147	3.08	177	2.64	207	2.25	237	1.91	267	1.49	297	1.31	327	1.09	357	0.90		
28	9.65	58	5.94	88	4.34	118	3.47	148	3.04	178	2.64	208	2.25	238	1.88	268	1.49	298	1.29	328	1.09	358	0.90		
29	9.38	59	5.93	89	4.30	119	3.47	149	3.03	179	2.64	209	2.25	239	1.87	269	1.46	299	1.29	329	1.09	359	0.90		
30	9.21	60	5.87	90	4.20	120	3.47	150	3.00	180	2.64	210	2.25	240	1.85	270	1.44	300	1.29	330	1.09	360	0.90		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	27.53	8.52	3.97	2.52	1.44	0.92	0.85	3.89

YEAR 1963

Table — Daily Flow Duration — STATION Malvasa — CATCHMENT AREA 35 Km^2 — UNIT m^3/sec.

1	16.52	31	5.36	61	4.11	91	3.20	121	2.76	151	2.32	181	2.03	211	1.85	241	1.68	271	1.59	301	1.49	331	1.41	361	1.13
2	14.54	32	5.30	62	4.11	92	3.20	122	2.76	152	2.32	182	2.03	212	1.85	242	1.68	272	1.57	302	1.49	332	1.39	362	1.02
3	12.60	33	5.20	63	4.11	93	3.18	123	2.68	153	2.32	183	2.02	213	1.82	243	1.68	273	1.56	303	1.49	333	1.39	363	0.96
4	11.88	34	5.04	64	4.10	94	3.16	124	2.68	154	2.29	184	2.02	214	1.82	244	1.68	274	1.56	304	1.49	334	1.39	364	0.96
5	11.52	35	5.04	65	3.97	95	3.12	125	2.64	155	2.29	185	2.02	215	1.80	245	1.68	275	1.54	305	1.46	335	1.36	365	0.96
6	11.19	36	5.03	66	3.93	96	3.12	126	2.64	156	2.25	186	2.02	216	1.79	246	1.66	276	1.54	306	1.46	336	1.36		
7	11.18	37	4.98	67	3.90	97	3.12	127	2.64	157	2.25	187	2.02	217	1.79	247	1.65	277	1.54	307	1.46	337	1.36		
8	10.95	38	4.98	68	3.84	98	3.11	128	2.64	158	2.24	188	2.02	218	1.76	248	1.65	278	1.54	308	1.46	338	1.36		
9	9.64	39	4.96	69	3.83	99	3.04	129	2.64	159	2.22	189	1.99	219	1.76	249	1.63	279	1.54	309	1.46	339	1.36		
10	9.46	40	4.96	70	3.77	100	3.04	130	2.64	160	2.22	190	1.99	220	1.76	250	1.63	280	1.51	310	1.44	340	1.36		
11	9.05	41	4.76	71	3.76	101	3.00	131	2.64	161	2.22	191	1.99	221	1.76	251	1.62	281	1.51	311	1.44	341	1.36		
12	8.94	42	4.65	72	3.72	102	3.00	132	2.60	162	2.22	192	1.96	222	1.76	252	1.62	282	1.51	312	1.44	342	1.36		
13	8.74	43	4.65	73	3.70	103	3.00	133	2.56	163	2.20	193	1.93	223	1.76	253	1.62	283	1.51	313	1.44	343	1.34		
14	8.56	44	4.65	74	3.70	104	2.88	134	2.52	164	2.16	194	1.93	224	1.76	254	1.62	284	1.51	314	1.44	344	1.32		
15	8.48	45	4.62	75	3.64	105	2.88	135	2.52	165	2.15	195	1.93	225	1.76	255	1.59	285	1.51	315	1.44	345	1.29		
16	8.08	46	4.60	76	3.58	106	2.88	136	2.32	166	2.13	196	1.93	226	1.76	256	1.59	286	1.51	316	1.44	346	1.29		
17	7.79	47	4.54	77	3.58	107	2.88	137	2.52	167	2.12	197	1.93	227	1.76	257	1.59	287	1.51	317	1.44	347	1.29		
18	7.75	48	4.54	78	3.58	108	2.88	138	2.50	168	2.12	198	1.93	228	1.76	258	1.59	288	1.51	318	1.44	348	1.29		
19	7.50	49	4.46	79	3.47	109	2.88	139	2.49	169	2.12	199	1.93	229	1.76	259	1.59	289	1.51	319	1.44	349	1.26		
20	7.31	50	4.39	80	3.47	110	2.88	140	2.45	170	2.12	200	1.91	230	1.73	260	1.59	290	1.51	320	1.44	350	1.24		
21	7.26	51	4.32	81	3.47	111	2.88	141	2.45	171	2.12	201	1.88	231	1.73	261	1.59	291	1.51	321	1.44	351	1.24		
22	6.50	52	4.24	82	3.47	112	2.88	142	2.42	172	2.10	202	1.88	232	1.72	262	1.59	292	1.51	322	1.44	352	1.24		
23	6.44	53	4.24	83	3.47	113	2.84	143	2.42	173	2.09	203	1.88	233	1.72	263	1.59	293	1.51	323	1.44	353	1.24		
24	6.34	54	4.24	84	3.39	114	2.84	144	2.42	174	2.09	204	1.85	234	1.72	264	1.59	294	1.51	324	1.44	354	1.21		
25	6.22	55	4.24	85	3.36	115	2.82	145	2.42	175	2.07	205	1.85	235	1.70	265	1.59	295	1.51	325	1.44	355	1.21		
26	5.83	56	4.20	86	3.35	116	2.82	146	2.42	176	2.06	206	1.85	236	1.70	266	1.59	296	1.51	326	1.44	356	1.21		
27	5.82	57	4.11	87	3.35	117	2.80	147	2.39	177	2.05	207	1.85	237	1.68	267	1.59	297	1.51	327	1.44	357	1.21		
28	5.68	58	4.11	88	3.29	118	2.80	148	2.36	178	2.05	208	1.85	238	1.68	268	1.59	298	1.51	328	1.44	358	1.21		
29	5.67	59	4.11	89	3.28	119	2.76	149	2.35	179	2.05	209	1.85	239	1.68	269	1.59	299	1.51	329	1.44	359	1.17		
30	5.67	60	4.11	90	3.24	120	2.76	150	2.35	180	2.05	210	1.85	240	1.68	270	1.59	300	1.49	330	1.41	360	1.17		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	16.52	5.04	3.12	2.02	1.54	1.21	0.96	2.83

Table — Daily Flow Duration — STATION Malvasa — CATCHMENT AREA 35 Km^2 — YEAR 1964 — UNIT m^3/sec.

1	16.57	31	8.03	61	5.89	91	4.87	121	3.97	151	3.24	181	2.76	211	2.22	241	1.85	271	1.21	301	0.79	331	0.63	361	0.59		
2	16.35	32	8.03	62	5.87	92	4.87	122	3.91	152	3.24	182	2.76	212	2.22	242	1.85	272	1.21	302	0.76	332	0.63	362	0.59		
3	14.98	33	8.00	63	5.85	93	4.87	123	3.90	153	3.23	183	2.71	213	2.19	243	1.85	273	1.19	303	0.74	333	0.63	363	0.59		
4	14.02	34	7.93	64	5.82	94	4.82	124	3.84	154	3.20	184	2.70	214	2.17	244	1.76	274	1.13	304	0.74	334	0.63	364	0.59		
5	13.88	35	7.67	65	5.82	95	4.79	125	3.83	155	3.19	185	2.68	215	2.15	245	1.76	275	1.12	305	0.74	335	0.63	365	0.59		
6	13.04	36	7.41	66	5.82	96	4.71	126	3.77	156	3.18	186	2.58	216	2.12	246	1.76	276	1.12	306	0.74	336	0.63	366	0.54		
7	12.09	37	7.32	67	5.74	97	4.64	127	3.75	157	3.18	187	2.56	217	2.12	247	1.72	277	1.09	307	0.72	337	0.63				
8	11.98	38	7.32	68	5.74	98	4.62	128	3.75	158	3.18	188	2.52	218	2.12	248	1.70	278	1.09	308	0.70	338	0.63				
9	11.91	39	7.32	69	5.56	99	4.54	129	3.71	159	3.16	189	2.52	219	2.12	249	1.68	279	1.07	309	0.70	339	0.63				
10	11.87	40	7.20	70	5.51	100	4.54	130	3.66	160	3.15	190	2.47	220	2.12	250	1.67	280	0.98	310	0.70	340	0.63				
11	11.64	41	7.08	71	5.51	101	4.51	131	3.58	161	3.12	191	2.45	221	2.12	251	1.67	281	0.98	311	0.68	341	0.63				
12	11.29	42	7.08	72	5.51	102	4.47	132	3.58	162	3.12	192	2.45	222	2.12	252	1.67	282	0.98	312	0.68	342	0.63				
13	11.18	43	6.88	73	5.51	103	4.43	133	3.58	163	3.09	193	2.45	223	2.12	253	1.67	283	0.96	313	0.68	343	0.63				
14	11.07	44	6.83	74	5.51	104	4.38	134	3.58	164	3.08	194	2.42	224	2.12	254	1.64	284	0.96	314	0.68	344	0.63				
15	10.71	45	6.73	75	5.46	105	4.38	135	3.58	165	3.08	195	2.42	225	2.12	255	1.63	285	0.94	315	0.68	345	0.61				
16	10.26	46	6.67	76	5.42	106	4.38	136	3.56	166	3.06	196	2.39	226	2.12	256	1.51	286	0.93	316	0.68	346	0.60				
17	10.24	47	6.67	77	5.36	107	4.38	137	3.51	167	3.06	197	2.39	227	2.12	257	1.44	287	0.90	317	0.68	347	0.60				
18	10.03	48	6.67	78	5.36	108	4.31	138	3.47	168	3.04	198	2.37	228	2.12	258	1.36	288	0.90	318	0.68	348	0.59				
19	9.94	49	6.65	79	5.20	109	4.24	139	3.47	169	2.96	199	2.32	229	2.07	259	1.36	289	0.90	319	0.68	349	0.59				
20	9.91	50	6.61	80	5.15	110	4.24	140	3.47	170	2.94	200	2.32	230	2.03	260	1.34	290	0.87	320	0.68	350	0.59				
21	9.64	51	6.56	81	5.15	111	4.15	141	3.47	171	2.94	201	2.29	231	2.02	261	1.34	291	0.87	321	0.68	351	0.59				
22	9.62	52	6.50	82	5.09	112	4.11	142	3.46	172	2.88	202	2.29	232	1.97	262	1.29	292	0.85	322	0.66	352	0.59				
23	9.46	53	6.50	83	5.04	113	4.11	143	3.46	173	2.88	203	2.25	233	1.93	263	1.29	293	0.85	323	0.66	353	0.59				
24	8.35	54	6.32	84	5.04	114	4.11	144	3.39	174	2.88	204	2.22	234	1.93	264	1.29	294	0.85	324	0.66	354	0.59				
25	8.74	55	6.30	85	4.93	115	4.11	145	3.35	175	2.84	205	2.22	235	1.93	265	1.29	295	0.85	325	0.65	355	0.59				
26	8.74	56	6.23	86	4.89	116	4.06	146	3.35	176	2.82	206	2.22	236	1.93	266	1.29	296	0.79	326	0.65	356	0.59				
27	8.62	57	6.21	87	4.87	117	4.04	147	3.35	177	2.76	207	2.22	237	1.89	267	1.29	297	0.79	327	0.65	357	0.59				
28	8.39	58	5.98	88	4.87	118	3.98	148	3.35	178	2.76	208	2.22	238	1.88	268	1.29	298	0.79	328	0.65	358	0.59				
29	8.21	59	5.98	89	4.87	119	3.97	149	3.35	179	2.76	209	2.22	239	1.88	269	1.26	299	0.79	329	0.63	359	0.59				
30	8.15	60	5.91	90	4.87	120	3.97	150	3.35	180	2.76	210	2.22	240	1.85	270	1.21	300	0.79	330	0.63	360	0.59				

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	16.57	7.67	4.79	2.68	1.12	0.59	0.54	3.50

Table — Daily Flow Duration — STATION Malvasa — CATCHMENT AREA 35 Km^2 — YEAR 1965 — UNIT m^3/sec.

1	28.26	31	9.36	61	6.66	91	5.15	121	4.20	151	3.47	181	3.00	211	2.72	241	2.22	271	1.85	301	1.44	331	1.15	361	0.92		
2	28.10	32	9.13	62	6.61	92	5.14	122	4.15	152	3.47	182	3.00	212	2.70	242	2.17	272	1.85	302	1.44	332	1.15	362	0.90		
3	21.68	33	9.09	63	6.61	93	5.04	123	4.06	153	3.47	183	3.00	213	2.68	243	2.17	273	1.85	303	1.44	333	1.15	363	0.90		
4	19.27	34	9.09	64	6.50	94	5.03	124	4.02	154	3.47	184	3.00	214	2.65	244	2.17	274	1.85	304	1.44	334	1.13	364	0.90		
5	16.26	35	8.93	65	6.32	95	4.87	125	4.02	155	3.47	185	3.00	215	2.64	245	2.15	275	1.85	305	1.44	335	1.12	365	0.85		
6	15.70	36	8.85	66	6.25	96	4.87	126	3.97	156	3.47	186	3.00	216	2.64	246	2.15	276	1.85	306	1.44	336	1.09				
7	14.03	37	8.62	67	6.15	97	4.79	127	3.97	157	3.47	187	2.94	217	2.64	247	2.15	277	1.80	307	1.44	337	1.09				
8	13.87	38	8.62	68	6.09	98	4.76	128	3.97	158	3.47	188	2.92	218	2.59	248	2.15	278	1.80	308	1.44	338	1.09				
9	13.53	39	8.45	69	6.06	99	4.71	129	3.97	159	3.47	189	2.88	219	2.56	249	2.12	279	1.76	309	1.44	339	1.09				
10	13.38	40	8.39	70	5.95	100	4.71	130	3.97	160	3.46	190	2.88	220	2.52	250	2.12	280	1.76	310	1.40	340	1.09				
11	13.29	41	8.39	71	5.92	101	4.71	131	3.88	161	3.43	191	2.88	221	2.52	251	2.12	281	1.76	311	1.36	341	1.09				
12	13.05	42	8.37	72	5.72	102	4.68	132	3.84	162	3.43	192	2.88	222	2.49	252	2.09	282	1.76	312	1.36	342	1.09				
13	12.88	43	8.22	73	5.67	103	4.65	133	3.84	163	3.43	193	2.88	223	2.45	253	2.03	283	1.76	313	1.31	343	1.09				
14	12.45	44	8.15	74	5.67	104	4.54	134	3.84	164	3.39	194	2.88	224	2.45	254	2.02	284	1.76	314	1.29	344	1.09				
15	12.32	45	8.01	75	5.67	105	4.54	135	3.84	165	3.39	195	2.88	225	2.43	255	2.02	285	1.72	315	1.29	345	1.09				
16	11.98	46	7.79	76	5.63	106	4.54	136	3.84	166	3.36	196	2.88	226	2.42	256	2.02	286	1.71	316	1.29	346	1.08				
17	11.64	47	7.79	77	5.57	107	4.49	137	3.84	167	3.31	197	2.88	227	2.42	257	2.02	287	1.68	317	1.29	347	1.02				
18	11.38	48	7.59	78	5.52	108	4.49	138	3.84	168	3.29	198	2.88	228	2.42	258	2.02	288	1.65	318	1.29	348	1.02				
19	11.29	49	7.55	79	5.51	109	4.38	139	3.84	169	3.28	199	2.88	229	2.42	259	1.98	289	1.63	319	1.29	349	1.02				
20	11.06	50	7.48	80	5.46	110	4.38	140	3.75	170	3.28	200	2.88	230	2.35	260	1.96	290	1.62	320	1.29	350	1.02				
21	10.95	51	7.47	81	5.45	111	4.38	141	3.72	171	3.24	201	2.84	231	2.35	261	1.96	291	1.59	321	1.25	351	1.02				
22	10.79	52	7.34	82	5.41	112	4.38	142	3.70	172	3.24	202	2.82	232	2.32	262	1.93	292	1.59	322	1.21	352	1.02				
23	10.18	53	7.24	83	5.36	113	4.31	143	3.70	173	3.23	203	2.82	233	2.32	263	1.93	293	1.59	323	1.21	353	1.02				
24	10.03	54	7.00	84	5.35	114	4.29	144	3.70	174	3.16	204	2.76	234	2.32	264	1.93	294	1.59	324	1.21	354	1.02				
25	10.01	55	6.92	85	5.35	115	4.25	145	3.70	175	3.12	205	2.76	235	2.27	265	1.93	295	1.55	325	1.18	355	0.96				
26	9.91	56	6.79	86	5.27	116	4.24	146	3.70	176	3.12	206	2.76	236	2.27	266	1.93	296	1.52	326	1.17	356	0.96				
27	9.78	57	6.75	87	5.25	117	4.24	147	3.62	177	3.12	207	2.76	237	2.27	267	1.93	297	1.51	327	1.17	357	0.96				
28	9.68	58	6.75	88	5.24	118	4.24	148	3.59	178	3.12	208	2.76	238	2.25	268	1.91	298	1.46	328	1.17	358	0.96				
29	9.67	59	6.69	89	5.24	119	4.24	149	3.58	179	3.12	209	2.76	239	2.22	269	1.88	299	1.44	329	1.15	359	0.96				
30	9.42	60	6.67	90	5.16	120	4.22	150	3.52	180	3.00	210	2.76	240	2.22	270	1.85	300	1.44	330	1.15	360	0.93				

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	28.26	8.93	4.87	3.00	1.85	0.96	0.85	4.15

Table Daily Flow Duration STATION Malvasa CATCHMENT AREA 35 Km^2 YEAR 1966 UNIT m^3/sec.

1	36.22	31	8.92	61	5.20	91	4.04	121	3.30	151	2.47	181	1.93	211	1.55	241	1.34	271	1.15	301	1.02	331	0.90	361	0.74
2	32.72	32	8.81	62	5.12	92	3.97	122	3.23	152	2.45	182	1.93	212	1.55	242	1.33	272	1.15	302	1.00	332	0.90	362	0.74
3	32.14	33	8.57	63	5.12	93	3.97	123	3.20	153	2.42	183	1.82	213	1.55	243	1.32	273	1.15	303	1.00	333	0.88	363	0.74
4	30.28	34	8.47	64	4.98	94	3.97	124	3.19	154	2.42	184	1.82	214	1.54	244	1.31	274	1.15	304	0.99	334	0.88	364	0.74
5	29.40	35	8.41	65	4.88	95	3.91	125	3.12	155	2.42	185	1.80	215	1.54	245	1.31	275	1.12	305	0.98	335	0.87	365	0.62
6	28.80	36	8.39	66	4.87	96	3.88	126	3.12	156	2.42	186	1.79	216	1.51	246	1.31	276	1.09	306	0.96	336	0.87		
7	26.01	37	8.03	67	4.79	97	3.84	127	3.12	157	2.35	187	1.76	217	1.51	247	1.29	277	1.09	307	0.96	337	0.85		
8	23.78	38	8.03	68	4.76	98	3.84	128	3.12	158	2.32	188	1.76	218	1.49	248	1.29	278	1.09	308	0.96	338	0.85		
9	21.68	39	7.79	69	4.71	99	3.75	129	3.08	159	2.32	189	1.76	219	1.49	249	1.29	279	1.09	309	0.96	339	0.85		
10	21.43	40	7.47	70	4.65	100	3.70	130	3.06	160	2.27	190	1.76	220	1.48	250	1.29	280	1.09	310	0.96	340	0.85		
11	20.98	41	7.00	71	4.65	101	3.70	131	3.00	161	2.25	191	1.73	221	1.46	251	1.26	281	1.09	311	0.96	341	0.85		
12	20.64	42	6.84	72	4.53	102	3.70	132	3.00	162	2.22	192	1.73	222	1.44	252	1.26	282	1.09	312	0.96	342	0.85		
13	17.04	43	6.73	73	4.41	103	3.70	133	3.00	163	2.17	193	1.71	223	1.44	253	1.26	283	1.09	313	0.96	343	0.85		
14	17.00	44	6.69	74	4.38	104	3.66	134	3.00	164	2.12	194	1.68	224	1.44	254	1.26	284	1.09	314	0.96	344	0.85		
15	13.53	45	6.16	75	4.38	105	3.62	135	3.00	165	2.09	195	1.68	225	1.44	255	1.24	285	1.09	315	0.96	345	0.85		
16	12.93	46	5.98	76	4.38	106	3.62	136	2.96	166	2.06	196	1.68	226	1.44	256	1.22	286	1.09	316	0.96	346	0.85		
17	12.92	47	5.98	77	4.38	107	3.58	137	2.96	167	2.05	197	1.67	227	1.44	257	1.21	287	1.09	317	0.96	347	0.85		
18	12.56	48	5.98	78	4.31	108	3.58	138	2.94	168	2.02	198	1.65	228	1.44	258	1.21	288	1.09	318	0.95	348	0.83		
19	12.48	49	5.94	79	4.24	109	3.52	139	2.92	169	2.02	199	1.65	229	1.41	259	1.21	289	1.09	319	0.94	349	0.79		
20	11.94	50	5.82	80	4.24	110	3.52	140	2.92	170	2.02	200	1.65	230	1.41	260	1.21	290	1.07	320	0.94	350	0.79		
21	11.64	51	5.74	81	4.21	111	3.51	141	2.82	171	2.02	201	1.64	231	1.40	261	1.21	291	1.06	321	0.93	351	0.79		
22	11.19	52	5.67	82	4.20	112	3.47	142	2.82	172	2.02	202	1.63	232	1.39	262	1.17	292	1.04	322	0.93	352	0.79		
23	11.19	53	5.67	83	4.20	113	3.47	143	2.80	173	2.02	203	1.60	233	1.38	263	1.17	293	1.02	323	0.92	353	0.79		
24	11.19	54	5.56	84	4.20	114	3.47	144	2.72	174	2.02	204	1.59	234	1.36	264	1.17	294	1.02	324	0.90	354	0.79		
25	11.09	55	5.36	85	4.20	115	3.41	145	2.68	175	2.02	205	1.59	235	1.36	265	1.16	295	1.02	325	0.90	355	0.79		
26	10.79	56	5.34	86	4.18	116	3.39	146	2.62	176	1.99	206	1.59	236	1.36	266	1.15	296	1.02	326	0.90	356	0.74		
27	10.59	57	5.25	87	4.15	117	3.35	147	2.56	177	1.98	207	1.59	237	1.36	267	1.15	297	1.02	327	0.90	357	0.74		
28	10.00	58	5.20	88	4.06	118	3.35	148	2.52	178	1.94	208	1.59	238	1.36	268	1.15	298	1.02	328	0.90	358	0.74		
29	9.25	59	5.20	89	4.06	119	3.35	149	2.49	179	1.93	209	1.59	239	1.34	269	1.15	299	1.02	329	0.90	359	0.74		
30	9.24	60	5.20	90	4.04	120	3.35	150	2.48	180	1.93	210	1.56	240	1.34	270	1.15	300	1.02	330	0.90	360	0.74		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	36.22	8.41	3.91	1.80	1.12	0.79	0.62	3.72

Table Daily Flow Duration STATION Malvasa CATCHMENT AREA 35 Km^2 YEAR 1967 UNIT m^3/sec.

1	28.60	31	11.19	61	6.45	91	4.24	121	3.00	151	2.60	181	2.35	211	2.02	241	1.85	271	1.71	301	1.54	331	1.29	361	0.96
2	28.08	32	11.11	62	6.42	92	4.11	122	2.96	152	2.60	182	2.32	212	2.02	242	1.85	272	1.68	302	1.51	332	1.29	362	0.96
3	27.13	33	10.51	63	6.42	93	4.02	123	2.92	153	2.58	183	2.32	213	2.02	243	1.85	273	1.68	303	1.51	333	1.29	363	0.96
4	21.33	34	10.01	64	6.41	94	3.97	124	2.88	154	2.57	184	2.32	214	2.00	244	1.85	274	1.68	304	1.51	334	1.29	364	0.90
5	21.21	35	10.00	65	6.38	95	3.97	125	2.88	155	2.56	185	2.32	215	1.99	245	1.85	275	1.68	305	1.51	335	1.26	365	0.85
6	19.71	36	10.00	66	6.33	96	3.85	126	2.88	156	2.56	186	2.29	216	1.97	246	1.85	276	1.65	306	1.51	336	1.24		
7	19.07	37	10.00	67	6.27	97	3.84	127	2.84	157	2.52	187	2.29	217	1.97	247	1.85	277	1.65	307	1.49	337	1.23		
8	18.93	38	9.35	68	6.06	98	3.84	128	2.84	158	2.52	188	2.25	218	1.96	248	1.82	278	1.65	308	1.49	338	1.21		
9	18.82	39	9.34	69	5.98	99	3.80	129	2.82	159	2.52	189	2.25	219	1.96	249	1.82	279	1.63	309	1.49	339	1.21		
10	18.59	40	9.06	70	5.98	100	3.77	130	2.80	160	2.52	190	2.22	220	1.94	250	1.82	280	1.63	310	1.48	340	1.21		
11	18.47	41	8.92	71	5.88	101	3.77	131	2.80	161	2.52	191	2.22	221	1.93	251	1.82	281	1.62	311	1.48	341	1.21		
12	17.79	42	8.92	72	5.77	102	3.75	132	2.80	162	2.49	192	2.22	222	1.93	252	1.82	282	1.62	312	1.46	342	1.21		
13	17.56	43	8.84	73	5.72	103	3.71	133	2.80	163	2.49	193	2.19	223	1.93	253	1.79	283	1.60	313	1.46	343	1.21		
14	16.67	44	8.77	74	5.56	104	3.70	134	2.80	164	2.47	194	2.19	224	1.93	254	1.79	284	1.59	314	1.46	344	1.19		
15	15.74	45	8.57	75	5.56	105	3.62	135	2.80	165	2.47	195	2.15	225	1.91	255	1.76	285	1.59	315	1.44	345	1.15		
16	15.43	46	8.23	76	5.56	106	3.60	136	2.76	166	2.47	196	2.90	226	1.90	256	1.76	286	1.59	316	1.44	346	1.15		
17	15.39	47	8.15	77	5.35	107	3.51	137	2.76	167	2.45	197	2.12	227	1.89	257	1.76	287	1.59	317	1.44	347	1.15		
18	14.94	48	7.95	78	5.20	108	3.41	138	2.76	168	2.45	198	2.12	228	1.89	258	1.76	288	1.59	318	1.44	348	1.12		
19	13.87	49	7.95	79	5.19	109	3.39	139	2.76	169	2.45	199	2.12	229	1.88	259	1.76	289	1.59	319	1.44	349	1.11		
20	13.68	50	7.71	80	5.15	110	3.39	140	2.76	170	2.42	200	2.09	230	1.88		1.76	290	1.59	320	1.44	350	1.09		
21	13.20	51	7.63	81	5.14	111	3.35	141	2.73	171	2.42	201	2.09	231	1.88	261	1.76	291	1.59	321	1.44	351	1.09		
22	13.14	52	7.63	82	5.04	112	3.29	142	2.72	172	2.42	202	2.09	232	1.88	262	1.76	292	1.59	322	1.44	352	1.05		
23	12.97	53	7.58	83	4.87	113	3.24	143	2.72	173	2.42	203	2.09	233	1.88	263	1.76	293	1.56	323	1.44	353	1.04		
24	12.81	54	7.55	84	4.82	114	3.20	144	2.70	174	2.41	204	2.09	234	1.85	264	1.76	294	1.56	324	1.39	354	1.04		
25	12.56	55	7.00	85	4.75	115	3.16	145	2.68	175	2.39	205	2.05	235	1.85	265	1.74	295	1.56	325	1.36	355	1.02		
26	12.09	56	6.87	86	4.60	116	3.12	146	2.68	176	2.37	206	2.02	236	1.85	266	1.73	296	1.56	326	1.36	356	1.02		
27	12.09	57	6.84	87	4.46	117	3.12	147	2.67	177	2.35	207	2.02	237	1.85	267	1.73	297	1.56	327	1.34	357	1.02		
28	12.02	58	6.73	88	4.38	118	3.12	148	2.64	178	2.35	208	2.02	238	1.85	268	1.73	298	1.55	328	1.32	358	1.02		
29	11.95	59	6.71	89	4.35	119	3.07	149	2.61	179	2.35	209	2.02	239	1.85	269	1.73	299	1.55	329	1.31	359	1.02		
30	11.34	60	6.50	90	4.25	120	3.04	150	2.60	180	2.35	210	2.02	240	1.85	270	1.71	300	1.54	330	1.31	360	0.96		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	28.60	10.00	3.97	2.32	1.68	1.02	0.85	4.10

Table Daily Flow Duration STATION Malvasa CATCHMENT AREA 35 Km^2 YEAR 1968 UNIT $m^3/sec.$

1	24.88	31	17.79	61	13.53	91	5.36	121	3.58	151	2.90	181	2.38	211	1.95	241	1.70	271	1.51	301	1.36	331	1.21	361	1.09
2	23.72	32	17.68	62	13.53	92	5.35	122	3.51	152	2.88	182	2.3	212	1.93	242	1.70	272	1.50	302	1.34	332	1.21	362	1.08
3	23.45	33	17.56	63	13.53	93	5.20	123	3.47	153	2.88	183	2.35	213	1.93	243	1.68	273	1.49	303	1.34	333	1.21	363	1.07
4	22.74	34	17.56	64	13.29	94	5.15	124	3.47	154	2.88	184	2.34	214	1.93	244	1.68	274	1.49	304	1.33	334	1.21	364	1.02
5	21.68	35	17.56	65	13.21	95	5.04	125	3.47	155	2.88	185	2.32	215	1.93	245	1.68	275	1.47	305	1.33	335	1.21	365	1.02
6	21.45	36	17.33	66	12.97	96	4.96	126	3.43	156	2.88	186	2.32	216	1.91	246	1.67	276	1.44	306	1.32	336	1.19	366	0.96
7	21.45	37	17.22	67	12.80	97	4.87	127	3.39	157	2.85	187	2.29	217	1.90	247	1.65	277	1.44	307	1.31	337	1.19		
8	21.21	38	17.10	68	12.32	98	4.76	128	3.39	158	2.84	188	2.29	218	1.90	248	1.65	278	1.44	308	1.29	338	1.17		
9	20.86	39	17.10	69	12.09	99	4.71	129	3.39	159	2.76	189	2.25	219	1.90	249	1.65	279	1.44	309	1.29	339	1.17		
10	20.45	40	16.64	70	12.75	100	4.54	130	3.35	160	2.72	190	2.22	220	1.88	250	1.65	280	1.44	310	1.29	340	1.15		
11	20.28	41	16.64	71	10.00	101	4.49	131	3.35	161	2.64	191	2.19	221	1.88	251	1.65	281	1.44	311	1.29	341	1.15		
12	20.28	42	16.52	72	10.00	102	4.40	132	3.31	162	2.64	192	2.17	222	1.86	252	1.62	282	1.44	312	1.29	342	1.15		
13	20.07	43	16.52	73	10.00	103	4.38	133	3.31	163	2.62	193	2.15	223	1.85	253	1.62	283	1.44	313	1.29	343	1.15		
14	20.05	44	16.35	74	10.00	104	4.38	134	3.29	164	2.60	194	2.14	224	1.85	254	1.60	284	1.43	314	1.29	344	1.15		
15	20.05	45	16.26	75	10.00	105	4.15	135	3.24	165	2.57	195	2.12	225	1.85	255	1.60	285	1.41	315	1.29	345	1.15		
16	19.93	46	16.26	76	9.57	106	4.06	136	3.20	166	2.56	196	2.12	226	1.85	256	1.59	286	1.41	316	1.29	346	1.15		
17	19.76	47	16.26	77	8.92	107	4.06	137	3.20	167	2.53	197	2.12	227	1.85	257	1.59	287	1.41	317	1.26	347	1.13		
18	19.71	48	15.65	78	8.74	108	4.02	138	3.16	168	2.52	198	2.10	228	1.82	258	1.59	288	1.41	318	1.26	348	1.13		
19	19.60	49	15.61	79	8.38	109	3.93	139	3.16	169	2.52	199	2.09	229	1.80	259	1.59	289	1.40	319	1.26	349	1.13		
20	19.37	50	15.22	80	8.27	110	3.84	140	3.12	170	2.52	200	2.07	230	1.80	260	1.59	290	1.39	320	1.26	350	1.11		
21	19.26	51	15.22	81	7.71	111	3.84	141	3.08	171	2.50	201	2.05	231	1.79	261	1.59	291	1.39	321	1.26	351	1.11		
22	19.04	52	15.22	82	7.63	112	3.75	142	3.08	172	2.49	202	2.05	232	1.76	262	1.57	292	1.39	322	1.26	352	1.09		
23	18.93	53	15.11	83	6.50	113	3.70	143	3.04	173	2.44	203	2.04	233	1.74	263	1.56	293	1.39	323	1.26	353	1.09		
24	18.37	54	14.88	84	6.50	114	3.70	144	3.04	174	2.43	204	2.03	234	1.73	264	1.56	294	1.39	324	1.24	354	1.09		
25	18.26	55	14.65	85	6.09	115	3.70	145	3.04	175	2.42	205	2.02	235	1.73	265	1.53	295	1.39	325	1.22	355	1.09		
26	18.26	56	14.33	86	6.09	116	3.66	146	3.00	176	2.42	206	2.02	236	1.73	266	1.52	296	1.37	326	1.21	356	1.09		
27	18.08	57	14.10	87	5.94	117	3.66	147	3.00	177	2.42	207	2.02	237	1.72	267	1.52	297	1.36	327	1.21	357	1.09		
28	18.03	58	14.09	88	5.56	118	3.64	148	2.92	178	2.42	208	2.00	238	1.71	268	1.51	298	1.36	328	1.21	358	1.09		
29	18.03	59	13.98	89	5.41	119	3.58	149	2.92	179	2.42	209	1.98	239	1.71	269	1.51	299	1.36	329	1.21	359	1.09		
30	17.91	60	13.87	90	5.36	120	3.58	150	2.92	180	2.39	210	1.95	240	1.70	270	1.51	300	1.36	330	1.21	360	1.09		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	24.88	17.56	5.04	2.32	1.47	1.09	0.96	5.37

Table Daily Flow Duration STATION Malvasa CATCHMENT AREA 35 Km^2 YEAR 1969 UNIT $m^3/sec.$

1	10.50	31	7.46	61	5.30	91	4.09	121	3.28	151	2.54	181	2.07	211	1.87	241	1.56	271	1.29	301	1.08	331	0.92	361	0.59
2	10.50	32	7.18	62	5.30	92	4.09	122	4.09	152	2.48	182	2.02	212	1.82	242	1.50	272	1.29	302	1.08	332	0.92	362	0.59
3	10.50	33	7.10	63	5.29	93	4.02	123	3.15	153	2.42	183	2.02	213	1.82	243	1.50	273	1.29	303	1.08	333	0.89	363	0.59
4	10.50	34	7.03	64	5.20	94	4.02	124	3.09	154	2.42	184	2.02	214	1.82	244	1.50	274	1.24	304	1.08	334	0.88	364	0.54
5	10.50	35	6.92	65	5.06	95	3.88	125	3.02	155	2.42	185	2.02	215	1.82	245	1.50	275	1.24	305	1.08	335	0.87	365	0.49
6	10.50	36	6.92	66	5.04	96	3.88	126	3.02	156	2.42	186	2.02	216	1.82	246	1.50	276	1.24	306	1.08	336	0.87		
7	10.50	37	6.92	67	5.03	97	3.81	127	3.02	157	2.37	187	2.02	217	1.82	247	1.50	277	1.24	307	1.08	337	0.87		
8	10.50	38	6.72	68	5.03	98	3.75	128	3.02	158	2.37	188	2.02	218	1.76	248	1.45	278	1.24	308	1.08	338	0.87		
9	10.50	39	6.61	69	4.95	99	3.75	129	3.02	159	2.37	189	2.02	219	1.76	249	1.45	279	1.24	309	1.08	339	0.87		
10	10.50	40	6.43	70	4.95	100	3.68	130	2.96	160	2.32	190	2.02	220	1.76	250	1.45	280	1.24	310	1.08	340	0.87		
11	10.50	41	6.42	71	4.87	101	3.68	131	2.96	161	2.32	191	2.02	221	1.76	251	1.45	281	1.24	311	1.08	341	0.87		
12	10.50	42	6.42	72	4.87	102	3.67	132	2.96	162	2.32	192	2.02	222	1.71	252	1.45	282	1.24	312	1.08	342	0.87		
13	10.27	43	6.42	73	4.86	103	3.67	133	2.93	163	2.27	193	2.02	223	1.71	253	1.40	283	1.19	313	1.08	343	0.87		
14	10.27	44	6.10	74	4.86	104	3.67	134	2.90	164	2.27	194	1.97	224	1.71	254	1.40	284	1.19	314	1.08	344	0.87		
15	9.15	45	6.10	75	4.78	105	3.64	135	2.90	165	2.26	195	1.97	225	1.71	255	1.40	285	1.19	315	1.03	345	0.87		
16	8.93	46	5.92	76	4.64	106	3.54	136	2.90	166	2.22	196	1.92	226	1.71	256	1.40	286	1.19	316	1.03	346	0.78		
17	8.82	47	5.92	77	4.54	107	3.54	137	2.84	167	2.22	197	1.92	227	1.66	257	1.40	287	1.19	317	0.98	347	0.78		
18	8.60	48	5.87	78	4.46	108	3.54	138	2.72	168	2.22	198	1.92	228	1.66	258	1.40	288	1.19	318	0.98	348	0.78		
19	8.60	49	5.83	79	4.37	109	3.54	139	2.66	169	2.22	199	1.92	229	1.66	259	1.40	289	1.19	319	0.98	349	0.78		
20	8.55	50	5.74	80	4.37	110	3.48	140	2.66	170	2.22	200	1.92	230	1.66	260	1.34	290	1.14	320	0.98	350	0.78		
21	8.49	51	5.74	81	4.32	111	3.41	141	2.66	171	2.17	201	1.92	231	1.66	261	1.34	291	1.14	321	0.98	351	0.78		
22	8.48	52	5.65	82	4.24	112	3.41	142	2.66	172	2.17	202	1.92	232	1.66	262	1.34	292	1.14	322	0.98	352	0.73		
23	8.48	53	5.56	83	4.23	113	3.41	143	2.60	173	2.17	203	1.92	233	1.61	263	1.34	293	1.14	323	0.98	353	0.68		
24	8.27	54	5.56	84	4.23	114	3.41	144	2.60	174	2.12	204	1.92	234	1.61	264	1.34	294	1.14	324	0.98	354	0.68		
25	8.27	55	5.48	85	4.23	115	3.41	145	2.54	175	2.12	205	1.92	235	1.61	265	1.29	295	1.14	325	0.98	355	0.68		
26	8.04	56	5.48	86	4.23	116	3.41	146	2.54	176	2.12	206	1.92	236	1.61	266	1.29	296	1.14	326	0.98	356	0.68		
27	8.04	57	5.48	87	4.23	117	3.41	147	2.54	177	2.12	207	1.92	237	1.60	267	1.29	297	1.14	327	0.98	357	0.64		
28	8.04	58	5.47	88	4.16	118	3.34	148	2.54	178	2.12	208	1.92	238	1.56	268	1.29	298	1.08	328	0.98	358	0.64		
29	7.70	59	5.38	89	4.09	119	3.33	149	2.54	179	2.12	209	1.92	239	1.56	269	1.29	299	1.08	329	0.98	359	0.59		
30	7.58	60	5.38	90	4.09	120	3.29	150	2.54	180	2.07	210	1.87	240	1.56	270	1.29	300	1.08	330	0.98	360	0.59		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	10.50	6.92	3.88	2.02	1.24	0.68	0.49	3.05

Table Daily Flow Duration STATION Malvasa CATCHMENT AREA 35 Km^2 YEAR 1970 UNIT m^3/sec.

1	13.01	31	7.70	61	6.61	91	5.56	121	4.78	151	3.88	181	3.41	211	3.02	241	2.60	271	2.22	301	1.71	331	1.29	361	0.49
2	10.50	32	7.70	62	6.61	92	5.48	122	4.74	152	3.88	182	3.34	212	3.02	242	2.60	272	2.17	302	1.71	332	1.24	362	0.44
3	10.50	33	7.70	63	6.61	93	5.48	123	4.70	153	3.88	183	3.34	213	3.02	243	2.55	273	2.12	303	1.71	333	1.24	363	0.40
4	10.50	34	7.70	64	6.61	94	5.47	124	4.70	154	3.88	184	3.34	214	3.02	244	2.54	274	2.07	304	1.71	334	1.19	364	0.40
5	10.50	35	7.60	65	6.40	95	5.47	125	4.70	155	3.82	185	3.34	215	2.96	245	2.54	275	2.02	305	1.67	335	1.14	365	0.40
6	10.50	36	7.60	66	6.40	96	5.47	126	4.62	156	3.82	186	3.34	216	2.90	246	2.54	276	2.02	306	1.66	336	1.14		
7	10.50	37	7.58	67	6.40	97	5.47	127	4.54	157	3.81	187	3.34	217	2.90	247	2.54	277	2.02	307	1.66	337	1.08		
8	10.50	38	7.46	68	6.30	98	5.47	128	4.54	158	3.81	188	3.34	218	2.90	248	2.48	278	2.02	308	1.66	338	1.08		
9	10.50	39	7.36	69	6.30	99	5.47	129	4.48	159	3.81	189	3.28	219	2.90	249	2.48	279	1.97	309	1.61	339	1.08		
10	10.50	40	7.16	70	6.12	100	5.38	130	4.46	160	3.74	190	3.28	220	2.90	250	2.48	280	1.96	310	1.61	340	1.03		
11	10.50	41	7.12	71	6.10	101	5.38	131	4.37	161	3.74	191	3.28	221	2.90	251	2.48	281	1.92	311	1.61	341	1.03		
12	10.50	42	7.12	72	6.10	102	5.38	132	4.23	162	3.70	192	3.22	222	2.90	252	2.48	282	1.92	312	1.61	342	1.03		
13	10.11	43	7.02	73	6.04	103	5.30	133	4.23	163	3.68	193	3.22	223	2.78	253	2.42	283	1.92	313	1.60	343	1.03		
14	9.74	44	7.02	74	6.01	104	5.27	134	4.23	164	3.67	194	3.22	224	2.78	254	2.42	284	1.92	314	1.56	344	0.92		
15	9.60	45	7.02	75	6.01	105	5.22	135	4.23	165	3.67	195	3.15	225	2.78	255	2.42	285	1.92	315	1.56	345	0.82		
16	9.54	46	6.96	76	5.96	106	5.22	136	4.23	166	3.61	196	3.15	226	2.78	256	2.42	286	1.92	316	1.56	346	0.78		
17	9.52	47	6.96	77	5.92	107	5.20	137	4.18	167	3.60	197	3.15	227	2.78	257	2.38	287	1.92	317	1.56	347	0.78		
18	9.38	48	6.92	78	5.92	108	5.14	138	4.18	168	3.60	198	3.15	228	2.78	258	2.37	288	1.92	318	1.56	348	0.78		
19	9.16	49	6.92	79	5.92	109	5.12	139	4.16	169	3.56	199	3.15	229	2.78	259	2.37	289	1.92	319	1.50	349	0.73		
20	8.82	50	6.92	80	5.92	110	5.12	140	4.16	170	3.56	200	3.15	230	2.72	260	2.37	290	1.92	320	1.50	350	0.73		
21	8.60	51	6.92	81	5.86	111	5.06	141	4.09	171	3.54	201	3.15	231	2.72	261	2.35	291	1.92	321	1.50	351	0.73		
22	8.45	52	6.92	82	5.83	112	5.06	142	4.09	172	3.54	202	3.10	232	2.72	262	2.32	292	1.82	322	1.50	352	0.68		
23	8.27	53	6.92	83	5.83	113	5.04	143	4.02	173	3.54	203	3.08	233	2.72	263	2.32	293	1.82	323	1.45	353	0.68		
24	8.27	54	6.84	84	5.74	114	5.04	144	4.02	174	3.54	204	3.08	234	2.72	264	2.32	294	1.82	324	1.45	354	0.64		
25	8.26	55	6.82	85	5.74	115	5.04	145	4.02	175	3.48	205	3.03	235	2.72	265	2.32	295	1.82	325	1.45	355	0.64		
26	8.26	56	6.82	86	5.65	116	5.04	146	4.02	176	3.48	206	3.02	236	2.66	266	2.27	296	1.81	326	1.40	356	0.59		
27	8.26	57	6.71	87	5.65	117	4.95	147	4.02	177	3.48	207	3.02	237	2.66	267	2.27	297	1.76	327	1.40	357	0.54		
28	8.26	58	6.71	88	5.65	118	4.95	148	3.95	178	3.48	208	3.02	238	2.66	268	2.27	298	1.76	328	1.34	358	0.54		
29	7.94	59	6.62	89	5.56	119	4.88	149	3.95	179	3.41	209	3.02	239	2.60	269	2.22	299	1.72	329	1.34	359	0.50		
30	7.81	60	6.61	90	5.56	120	4.78	150	3.95	180	3.41	210	3.02	240	2.60	270	2.22	300	1.71	330	1.34	360	0.49		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	13.01	7.60	5.47	3.34	2.02	0.64	0.40	4.01

Table Daily Flow Duration STATION Malvasa CATCHMENT AREA 35 Km^2 YEAR 1971 UNIT m^3/sec.

1	11.28	31	7.25	61	5.38	91	4.23	121	3.62	151	3.22	181	2.84	211	2.55	241	2.33	271	1.92	301	1.61	331	1.40	361	1.03
2	10.81	32	7.18	62	5.27	92	4.17	122	3.62	152	3.20	182	2.84	212	2.55	242	2.32	272	1.87	302	1.60	332	1.40	362	0.98
3	10.61	33	7.10	63	5.27	93	4.17	123	3.58	153	3.16	183	2.84	213	2.55	243	2.31	273	1.82	303	1.60	333	1.40	363	0.87
4	10.50	34	7.03	64	5.27	94	4.16	124	3.58	154	3.15	184	2.83	214	2.54	244	2.30	274	1.82	304	1.56	334	1.40	364	0.87
5	10.50	35	6.98	65	5.24	95	4.16	125	3.57	155	3.15	185	2.80	215	2.54	245	2.24	275	1.82	305	1.56	335	1.40	365	0.87
6	10.50	36	6.82	66	5.24	96	4.02	126	3.57	156	3.15	186	2.78	216	2.54	246	2.22	276	1.82	306	1.56	336	1.40		
7	10.50	37	6.75	67	5.24	97	4.02	127	3.57	157	3.15	187	2.78	217	2.50	247	2.22	277	1.82	307	1.56	337	1.40		
8	10.50	38	6.72	68	5.24	98	4.02	128	3.56	158	3.08	188	2.78	218	2.48	248	2.22	278	1.82	308	1.56	338	1.34		
9	10.50	39	6.62	69	5.24	99	4.02	129	3.56	159	3.08	189	2.78	219	2.48	249	2.22	279	1.82	309	1.56	339	1.29		
10	10.50	40	6.62	70	5.14	100	3.95	130	3.56	160	3.02	190	2.78	220	2.47	250	2.22	280	1.82	310	1.56	340	1.29		
11	10.50	41	6.62	71	5.12	101	3.89	131	3.56	161	3.02	191	2.78	221	2.47	251	2.22	281	1.82	311	1.50	341	1.29		
12	10.50	42	6.51	72	5.10	102	3.88	132	3.54	162	3.02	192	2.74	222	2.47	252	2.22	282	1.82	312	1.50	342	1.29		
13	9.82	43	6.20	73	5.06	103	3.88	133	3.54	163	3.02	193	2.72	223	2.47	253	2.17	283	1.82	313	1.50	343	1.29		
14	9.54	44	6.10	74	5.04	104	3.83	134	3.54	164	3.02	194	2.72	224	2.47	254	2.17	284	1.82	314	1.50	344	1.29		
15	9.54	45	6.10	75	4.68	105	3.82	135	3.41	165	2.96	195	2.72	225	2.42	255	2.17	285	1.76	315	1.50	345	1.24		
16	9.38	46	6.01	76	4.68	106	3.82	136	3.41	166	2.96	196	2.72	226	2.42	256	2.17	286	1.76	316	1.50	346	1.24		
17	8.95	47	6.01	77	4.56	107	3.82	137	3.41	167	2.96	197	2.72	227	2.42	257	2.12	287	1.76	317	1.50	347	1.18		
18	8.50	48	6.01	78	4.56	108	3.82	138	3.34	168	2.96	198	2.72	228	2.41	258	2.12	288	1.76	318	1.50	348	1.18		
19	8.45	49	5.95	79	4.49	109	3.82	139	3.28	169	2.96	199	2.66	229	2.41	259	2.12	289	1.76	319	1.50	349	1.18		
20	8.45	50	5.83	80	4.47	110	3.82	140	3.28	170	2.94	200	2.66	230	2.38	260	2.07	290	1.71	320	1.50	350	1.18		
21	8.35	51	5.74	81	4.38	111	3.81	141	3.28	171	2.92	201	2.60	231	2.37	261	2.06	291	1.71	321	1.50	351	1.14		
22	8.35	52	5.74	82	4.38	112	3.76	142	3.28	172	2.92	202	2.60	232	2.37	262	2.02	292	1.71	322	1.50	352	1.14		
23	8.27	53	5.74	83	4.38	113	3.76	143	3.28	173	2.90	203	2.60	233	2.36	263	2.02	293	1.71	323	1.50	353	1.08		
24	8.04	54	5.65	84	4.37	114	3.74	144	3.28	174	2.90	204	2.60	234	2.36	264	1.92	294	1.71	324	1.50	354	1.08		
25	7.95	55	5.65	85	4.30	115	3.70	145	3.28	175	2.90	205	2.56	235	2.35	265	1.92	295	1.71	325	1.50	355	1.08		
26	7.86	56	5.56	86	4.30	116	3.70	146	3.28	176	2.90	206	2.55	236	2.35	266	1.92	296	1.71	326	1.50	356	1.08		
27	7.58	57	5.47	87	4.30	117	3.70	147	3.28	177	2.90	207	2.55	237	2.35	267	1.92	297	1.71	327	1.50	357	1.08		
28	7.46	58	5.40	88	4.28	118	3.70	148	3.26	178	2.90	208	2.55	238	2.35	268	1.92	298	1.71	328	1.45	358	1.08		
29	7.46	59	5.38	89	4.23	119	3.68	149	3.22	179	2.84	209	2.55	239	2.35	269	1.92	299	1.71	329	1.45	359	1.08		
30	7.25	60	5.38	90	4.23	120	3.62	150	3.22	180	2.84	210	2.55	240	2.35	270	1.92	300	1.66	330	1.45	360	1.03		

Flow Duration	Max.	35 days	95 days	185 days	275 days	355 days	Min.	Mean
Run-off	11.28	6.98	4.16	2.80	1.82	1.08	0.87	3.49

III – 4. MONTHLY AVERAGE PRECIPITATION

	Gauging Station	Elevation (m)	Recording Period
(1)	Popayan (Electraguas)	1,790	Jan. 1955 – Dec. 1971
(2)	Popayan (Universidad)	1,790	Jan. 1930 – Sep. 1968
(3)	Florida		Jan. 1961 – Dec. 1968
(4)	Coconuco	2,300	Dec. 1946 – Oct. 1971
(5)	Purace	3,200	Nov. 1947 – Oct. 1971
(6)	Piendamo	1,850	Dec. 1946 – Sep. 1968
(7)	Silvia	2,400	Dec. 1946 – Sep. 1968
(8)	El Tambo	1,700	Dec. 1946 – Sep. 1968

(1) Gauging Station Elevation (m)
Popayan (Electraquas) 1,790

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1955	48	118	52.	181	79	46	56	45	109	176	84	190	1,184
1956	298	117	90	149	156	97	20	32	157	98	102	109	1,425
1957	150	279	223	104	153	21	33	19	70	354	168	270	1,844
1958	200	104	33	43	43	2	0	81	59	176	148	240	1,129
1959	67	168	60	173	164	103	22	49	49	386	373	117	1,731
1960	252	244	181	140	72	130	83	58	76	359	302	258	2,155
1961	157	73	158	191	35	70	63	42	89	250	410	101	1,639
1962	146	96	173	118	169	95	32	51	130	263	392	298	1,963
1963	69	194	138	280	167	148	45	24	29	314	396	162	1,966
1964	64	230	64	210	178	114	87	62	27	150	153	257	1,596
1965	84	17	28	201	84	12	4	18	99	189	208	125	1,069
1966	123	42	54	113	213	71	80	87	224	339	336	420	2,102
1967	83	222	193	79	76	86	8	2	70	195	498	212	1,724
1968	143	211	142	329	75	113	41	93	90	464	398	204	2,303
1969	158	166	73	353	82	104	57	37	187	372	354	314	2,257
1970	269	228	101	105	351	97	141	119	190	394	431	194	2,620
1971	463	293	229	139	200	79	88	63	107	325	367	–	–
Average	163	165	117	171	135	82	51	52	104	283	301	204	1,828
*1 Average of 10 years	119	150	119	183	123	94	47	49	88	291	347	215	1,825

*1 From 1959 to 1968

(2) Gauging Station Elevation (m)
Popayan (Universidad) 1,790

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1930	198.9	(123.1)	104.1	164.0	42.3	95.9	25.7	26.3	37.4	309.6	307.5	250.1	1,684.9
1931	149.9	284.3	96.5	141.8	156.7	49.1	103.8	8.8	117.8	193.7	522.0	195.3	2,019.7
1932	249.3	157.8	92.1	73.1	108.1	48.0	15.0	33.9	92.7	216.8	251.3	223.2	1,561.4
1933	231.2	83.6	97.3	190.6	121.2	158.6	99.9	99.7	122.5	196.6	621.0	391.2	2,413.4
1934	110.2	283.3	101.3	52.6	131.7	97.4	24.6	58.2	160.4	381.4	423.0	184.3	2,008.4
1935	180.6	220.9	119.4	214.2	150.5	177.0	–	–	–	–	–	–	–
1944	–	–	–	–	–	154.6	40.3	19.0	73.9	164.5	127.3	242.1	–
1945	103.5	127.9	61.2	184.5	165.2	25.8	8.7	23.3	83.4	228.3	392.3	207.6	1,611.7
1946	189.7	182.9	102.2	120.4	132.6	16.8	11.9	0.9	52.7	273.2	290.0	228.6	1,601.9
1947	168.6	94.7	162.4	60.2	154.5	77.8	121.5	85.1	171.4	300.5	237.5	105.7	1,739.9
1948	143.3	278.5	176.1	216.7	94.5	19.3	50.1	20.6	75.3	381.6	209.6	203.9	1,869.5
1949	235.0	119.9	138.9	123.4	125.1	73.5	55.4	52.0	105.6	426.1	338.3	231.3	2,024.5
1950	270.3	286.8	336.6	239.3	238.9	127.4	36.1	41.8	79.1	201.4	424.2	211.6	2,493.5
1951	195.6	60.9	165.4	102.8	140.4	20.7	49.8	24.3	58.1	172.9	267.8	225.8	1,484.5
1952	259.4	101.9	199.0	98.4	138.0	28.8	40.5	10.6	55.8	158.2	280.0	234.4	1,605.0
1953	110.5	70.9	217.9	95.5	92.0	107.4	26.3	5.4	198.8	278.1	355.1	247.2	1,805.1
1954	68.6	131.8	175.3	249.9	77.7	110.7	55.5	23.6	16.7	316.1	272.6	236.2	1,734.7
1955	204.5	157.0	268.0	197.5	152.2	104.6	87.5	45.0	122.8	291.1	375.3	–	–
1956	207.6	204.3	118.0	120.6	152.6	132.0	14.7	40.9	133.8	332.5	217.6	390.0	2,064.6
1957	81.7	196.7	165.6	142.6	369.7	29.6	22.5	1.0	35.8	265.5	283.3	295.0	1,889.0
1958	190.1	80.0	131.6	126.1	112.9	89.3	1.6	61.3	40.9	201.5	211.5	310.1	1,556.9
1959	139.9	83.4	50.3	126.1	125.6	90.3	18.3	25.9	53.8	269.6	268.7	120.4	1,372.3
1960	179.4	189.0	161.1	112.4	63.4	72.2	59.0	58.9	51.3	312.8	208.2	230.2	1,697.9
1961	98.8	32.3	130.6	139.3	46.0	67.7	52.3	33.2	71.1	–	–	–	–
1965	–	–	–	–	–	–	–	–	–	–	–	261.5	–
1966	78.2	105.6	107.0	236.5	142.5	90.0	52.5	39.0	120.0	345.0	292.0	394.0	2,002.3
1967	70.0	218.5	192.5	93.5	177.5	81.0	8.5	8.0	68.0	228.0	486.5	278.0	1,910.0
1968	119.0	199.5	168.0	295.0	(75.0	113.0	41.0	93.0	90.0)	–	–	–	–
Average	163	157	148	151	134	84	43	36	88	269	319	246	1,838
*1 Average of 10 years	114	138	135	167	105	86	39	43	76	289	314	257	1,506

*1 From 1959 to 1968

(3) Gauging Station Florida Elevation (m)

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1961	149.1	120.3	145.1	164.3	70.7	75.7	65.2	5.5	34.1	189.4	180.6	226.7	1,426.7
1962	213.8	141.0	169.5	164.3	132.9	118.7	24.3	61.3	95.2	179.7	243.0	272.5	1,817.2
1963	160.5	283.5	124.8	339.7	78.5	100.5	32.1	16.2	63.3	167.2	326.0	183.4	1,875.5
1964	72.2	88.3	51.1	199.1	126.5	176.7	68.2	43.4	53.9	149.6	241.4	286.3	1,556.7
1965	157.1	33.7	72.7	147.2	70.9	1.2	6.7	25.7	154.7	289.1	310.8	214.6	1,484.4
1966	10.2	94.4	112.7	130.0	219.7	155.8	27.1	70.3	(25.8)	343.0	403.2	408.4	2,000.6
1967	125.4	175.4	231.2	161.3	94.2	77.0	47.9	5.8	76.9	222.3	466.0	205.6	1,889.0
1968	255.0	152.2	131.7	307.9	111.9	134.2	41.9	38.8	118.3	303.5	262.4	200.2	2,058.0
Average	143	136	130	202	113	105	39	33	78	230	304	250	1,763

(4) Gauging Station: Coconuco (Cauca) — Elevation (m): 2,300

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1946	–	–	–	–	–	–	–	–	–	–	–	116	–
1947	135	94	72	87	144	97	88	52	116	270	213	50	1,388
1948	72	119	95	198	89	35	–	–	23	162	138	160	–
1949	155	49	115	136	109	58	16	27	18	288	359	256	1,586
1950	221	235	–	–	–	327	37	48	30	156	142	104	–
1951	97	81	100	65	63	26	28	5	20	43	86	34	648
1952	22	23	56	41	18	18	5	1	3	118	81	58	444
1953	63	87	109	120	168	85	7	0	139	231	233	237	1,479
1954	9	228	146	127	142	162	29	50	12	288	240	235	1,668
1955	76	79	132	199	144	52	101	14	38	83	97	253	1,268
1956	121	108	106	51	164	79	15	–	76	193	168	263	–
1957	33	71	171	193	162	8	4	0	16	128	123	88	997
1958	126	–	37	170	131	43	1	130	52	164	275	295	–
1959	94	135	124	179	115	158	19	47	2	325	218	169	1,585
1960	208	126	159	184	150	28	107	57	13	335	218	157	1,832
1961	119	55	279	204	–	81	8	0	56	408	839	11	–
1962	137	65	263	51	285	175	4	106	55	202	436	429	2,208
1963	303	204	350	198	197	93	57	42	0	222	291	74	2,031
1964	31	15	109	229	105	132	103	88	31	148	162	101	1,254
1965	67	46	100	162	206	10	–	–	56	152	357	226	–
1966	52	68	276	168	152	98	93	37	112	217	725	1,357	3,355
1967	116	186	129	441	147	89	48	67	36	210	926	363	2,758
1968	130	358	224	204	355	118	116	64	173	192	437	155	2,526
1969	183	80	29	530	125	67	16	123	210	326	292	160	2,231
1970	82	374	159	113	188	71	84	23	120	296	508	226	2,244
1971	351	322	434	173	241	62	65	77	64	374	–	–	–
Average	120	137	157	176	160	87	70	48	59	217	315	223	1,769
*1 Average of 10 years	126	135	201	202	171	98	56	51	53	241	461	304	2,099

*1 From 1959 to 1968

(5) Gauging Station Puracé — Elevation (m) 3,200

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1947	–	–	–	–	–	–	–	–	–	–	19	49	–
1948	22	–	–	122	–	184	107	185	73	78	–	–	–
1949	82	39	92	112	114	–	–	–	82	114	163	154	–
1950	168	104	130	110	276	301	350	167	115	154	204	153	2,232
1951	124	223	178	181	222	333	431	226	147	198	160	101	2,524
1952	102	86	90	241	178	308	294	278	106	246	332	173	2,434
1953	115	70	170	207	264	292	760	240	128	187	173	134	2,740
1954	124	103	85	105	146	229	405	319	77	–	181	161	–
1955	115	61	112	89	113	94	237	102	63	226	174	307	1,693
1956	144	97	161	81	171	343	212	242	184	170	127	348	2,280
1957	29	78	95	106	252	192	177	124	53	89	135	169	1,499
1958	48	41	133	83	123	284	219	141	35	322	115	293	1,737
1959	67	99	124	197	214	182	150	76	80	276	291	262	2,018
1960	261	329	226	84	94	187	174	164	235	392	184	354	2,684
1961	130	67	142	250	92	173	249	242	109	287	395	111	2,247
1962	225	53	186	192	262	135	170	222	86	291	261	378	2,461
1963	228	224	72	291	202	143	111	130	149	185	388	238	2,361
1964	10	116	94	256	169	204	133	191	212	231	228	395	2,239
1965	231	13	94	293	242	155	210	121	140	370	515	287	2,671
1966	129	161	301	196	197	197	140	149	122	304	595	642	3,133
1967	121	160	384	202	234	205	268	257	201	320	618	122	3,092
1968	146	266	175	386	202	189	234	255	200	303	404	137	2,897
1969	186	109	66	334	174	188	233	112	230	475	323	229	2,659
1970	168	293	165	131	203	42	53	63	106	411	495	181	2,311
1971	282	–	234	315	207	44	19	55	68	280	–	–	–
Average	136	127	153	190	189	200	232	177	125	246	282	234	2,291
*1 Average of 10 years	155	149	180	235	191	177	184	181	153	296	388	293	2,582

*1 From 1959 to 1968

(6) Gauging Station Piendamo (Cauca) — Elevation (m) 1,850

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1946	–	–	–	–	–	–	–	–	–	–	–	(35)	–
1947	132	59	146	60	120	98	85	37	86	356	218	81	1,478
1948	95	152	199	245	275	32	32	25	98	92	168	213	1,626
1949	217	251	152	148	242	83	80	49	76	136	273	236	1,943
1950	126	299	309	217	196	180	23	50	98	200	247	(124)	2,159
1951	152	122	169	83	37	37	41	31	51	280	322	199	1,524
1952	165	144	225	167	222	42	30	5	50	63	116	122	1,351
1953	62	89	157	145	225	111	38	21	212	325	248	233	1,866
1954	124	265	160	184	117	141	48	44	56	291	211	349	1,990
1955	236	158	284	130	177	107	122	51	72	160	181	309	1,987
1956	390	159	249	182	125	85	53	10	0	250	85	207	1,795
1957	128	119	272	207	145	5	9	5	126	169	103	159	1,447
1958	129	75	126	264	94	66	23	(103)	14	200	307	–	–
1959	179	–	130	61	137	137	2	56	24	317	–	189	–
1960	391	328	292	172	136	68	25	78	42	243	161	274	2,210
1961	150	120	282	240	68	55	72	1	54	156	367	161	1,726
1962	428	255	310	191	203	108	34	38	104	240	303	299	2,513
1963	231	302	179	289	180	98	48	66	92	190	366	154	2,195
1964	75	126	203	299	84	204	100	119	85	217	277	332	2,121
1965	148	28	152	306	157	15	4	49	46	248	434	322	1,909
1966	185	138	291	188	249	118	37	81	38	220	364	478	2,387
1967	184	276	325	147	165	84	52	14	48	231	308	221	2,055
1968	218	231	165	274	105	174	84	55	79	–	–	–	–
Average	193	164	213	191	157	93	47	45	70	218	253	224	1,868
*1 Average of 10 years	219	200	233	217	148	106	46	56	61	229	323	270	2,108

*1 From 1959 to 1968

(7) Gauging Station Silvia (Cauca) — Elevation (m) 2,400

(Unit: mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1946	–	–	–	–	–	–	–	–	–	–	–	94	–
1947	158	100	31	19	49	56	21	33	62	330	138	58	1,055
1948	62	56	101	191	58	25	24	0	63	83	76	92	831
1949	332	126	82	87	44	38	5	31	68	194	179	230	1,416
1950	–	190	338	200	156	91	3	0	26	114	153	157	–
1951	189	177	125	138	99	–	42	0	29	180	291	147	–
1952	181	102	125	167	52	12	0	0	25	82	314	169	1,229
1953	56	43	137	110	103	27	0	0	265	280	212	207	1,440
1954	59	119	156	200	46	83	0	16	0	303	211	226	1,419
1955	129	92	247	149	111	103	61	0	66	254	201	309	1,722
1956	200	170	136	78	70	25	0	0	129	299	120	131	1,358
1957	110	67	129	184	256	10	0	0	–	–	–	197	–
1958	118	60	69	157	69	38	0	28	0	183	217	141	1,080
1959	78	74	121	104	125	86	0	0	0	160	217	86	1,051
1960	226	195	205	78	152	0	40	32	18	250	156	236	1,588
1961	173	56	260	215	0	59	18	0	60	269	352	113	1,575
1962	156	109	146	205	266	87	0	0	0	164	62	261	1,456
1963	179	325	153	243	224	143	32	0	0	242	361	137	2,039
1964	43	126	30	297	120	169	–	64	34	117	150	113	–
1965	44	1	5	89	109	9	23	9	39	133	233	76	770
1966	0	38	71	24	87	36	20	13	28	134	277	245	973
1967	3	40	129	133	52	37	27	5	7	94	203	42	772
1968	35	100	41	183	38	–	8	0	8	–	–	–	–
Average	121	108	129	148	104	57	15	11	44	193	206	158	1,294
*1 Average of 10 years	94	106	116	157	117	70	19	12	19	174	223	145	1,252

*1 From 1959 to 1968

(8) Gauging Station EL Tambo (Cauca) Elevation (m) 1,700

(Unit mm)

Month / Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1946	–	–	–	–	–	–	–	–	–	–	–	271.0	–
1947	103.0	220.0	50.0	21.0	72.0	–	–	53.0	116.0	440.0	198.0	129.0	–
1948	74.0	136.0	186.0	209.0	161.0	31.0	53.0	16.0	102.0	351.0	179.0	–	–
1949	167.0	110.0	124.0	180.0	186.0	76.0	30.0	59.0	146.0	260.0	256.0	95.0	1,689
1950	129.0	317.0	229.0	262.0	(140.0)	117.0	19.0	(63.0)	–	–	–	–	–
1951	–	–	–	–	–	–	23.0	29.0	57.0	350.0	250.0	257.0	–
1952	257.0	67.0	76.0	190.0	124.0	9.0	21.0	2.0	2.0	220.0	182.0	116.0	1,266
1953	142.0	44.0	94.0	155.0	164.0	144.0	25.0	43.0	269.0	345.0	413.0	278.0	2,116
1954	100.0	97.0	200.0	235.0	100.0	97.0	62.0	42.0	56.0	290.0	222.0	239.0	1,740
1955	203.0	135.0	263.0	142.0	164.0	133.0	122.0	31.0	117.0	265.0	345.5	324.5	2,245
1956	426.5	242.0	74.5	337.0	154.0	57.0	0	4.0	8.0	–	–	–	–
1957	–	–	–	–	–	–	–	–	–	–	–	171.0	–
1958	133.0	–	–	235.0	158.0	–	–	–	89.5	–	–	–	–
1966	–	–	(73.0)	109.0	148.0	227.0	71.0	98.0	163.0	265.0	383.0	216.0	–
1967	75.0	16.0	89.0	322.0	326.0	241.0	43.0	191.0	166.0	342.0	460.0	256.0	2,427
1968	155.0	135.0	97.0	313.0	109.0	55.0	52.0	81.0	113.0	–	–	–	–
Average	164	138	130	208	154	108	43	55	108	313	289	214	1,924

III – 5. DAILY PRECIPITATION

	Gauging Station	Elevation (m)	Recording Period
(1)	Popayan (Electraguas)	1,700	Jan. 1961 – Nov. 1971
(2)	Coconuco	2,300	Jan. 1961 – Oct. 1971
(3)	Purace	3,200	Jan. 1961 – Oct. 1971

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1961

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	13	7	0	13	0	3	0	0	0	0	13	2	1
2	53	8	0	18	0	0	0	0	10	0	2	0	2
3	2	0	0	6	0	0	0	0	16	0	42	0	3
4	12	12	0	8	0	0	0	0	0	0	20	2	4
5	0	18	0	0	0	4	14	0	8	0	14	0	5
6	0	9	0	0	7	0	8	0	38	0	8	0	6
7	0	0	36	0	5	0	0	0	0	0	83	0	7
8	0	0	2	0	0	9	2	0	0	16	23	0	8
9	0	14	0	6	0	0	4	0	0	10	2	13	9
10	0	0	3	0	0	7	6	0	0	25	28	15	10
11	0	0	5	0	0	14	12	0	5	11	16	2	11
12	0	0	8	6	0	5	0	0	0	26	4	0	12
13	3	0	0	0	0	0	3	0	0	8	3	5	13
14	20	0	8	0	0	2	0	0	0	12	0	4	14
15	8	0	0	3	0	3	7	0	0	4	36	4	15
16	0	0	8	0	7	7	5	0	0	0	22	18	16
17	0	0	0	0	5	13	0	0	0	3	14	16	17
18	0	0	0	0	0	0	0	0	0	3	8	0	18
19	0	0	12	0	0	0	0	11	0	32	13	0	19
20	0	0	38	42	2	0	2	0	0	2	28	3	20
21	0	0	14	21	3	0	0	0	0	14	10	2	21
22	0	0	0	17	0	0	0	0	0	8	0	8	22
23	0	0	9	22	0	3	0	0	12	12	12	0	23
24	0	0	0	18	0	0	0	0	0	24	4	0	24
25	0	5	3	4	3	0	0	0	0	3	2	0	25
26	12	0	0	3	0	0	0	0	0	0	3	0	26
27	18	0	0	2	3	0	0	0	0	0	0	0	27
28	8	0	3	2	0	0	0	12	0	0	0	2	28
29	3		0	0	0	0	0	9	0	10	0	5	29
30	5		0	0	0	0	0	10	0	15	0	0	30
31	0		9		0		0	0		12		0	31
Sum.	157	73	158	191	35	70	63	42	89	250	410	101	

Annual Total (1,639)

4 4.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	22	0	0	4	6	0	0	0	0	12	0	0	1
2	32	0	0	0	8	11	0	0	0	8	15	0	2
3	0	8	0	0	6	8	0	0	0	13	43	0	3
4	0	15	0	0	5	0	0	0	0	11	28	0	4
5	4	0	10	0	8	2	8	0	0	18	3	0	5
6	5	0	12	0	7	0	0	0	0	12	2	0	6
7	2	6	15	0	8	0	0	0	0	3	5	8	7
8	6	0	26	0	0	2	4	0	0	10	3	12	8
9	0	0	18	0	3	5	6	0	12	12	12	24	9
10	2	17	4	0	0	10	3	0	0	11	0	17	10
11	0	0	0	0	8	8	0	4	0	71	15	27	11
12	6	2	0	0	12	4	0	8	0	38	8	22	12
13	16	0	0	0	8	5	4	5	0	0	12	48	13
14	6	4	0	8	3	10	5	3	0	3	5	8	14
15	6	3	0	4	4	4	2	0	0	4	7	12	15
16	6	0	0	0	5	0	0	0	0	3	9	2	16
17	0	5	0	0	7	0	0	0	0	0	15	48	17
18	0	0	17	0	12	0	0	0	10	0	22	16	18
19	0	0	5	15	9	0	0	0	12	0	4	12	19
20	0	0	7	9	5	0	0	0	16	0	14	0	20
21	2	0	8	7	0	0	0	0	19	0	2	0	21
22	13	0	26	14	0	0	0	0	0	3	8	0	22
23	8	0	12	12	4	0	0	0	0	0	24	20	23
24	5	8	0	11	0	5	0	0	0	0	13	0	24
25	0	0	6	5	10	7	0	0	0	4	9	8	25
26	0	12	2	6	7	8	0	0	19	0	10	5	26
27	0	8	0	7	15	0	0	0	0	6	14	0	27
28	0	7	3	4	6	0	0	28	8	8	52	5	28
29	0		2	3	3	6	0	3	22	3	38	4	29
30	5		0	9	0	0	0	0	12	5	0	0	30
31	0		0		0		0	0		5		0	31
Sum.	146	96	173	118	169.	95	32	51	130	263	392	298	

Annual Total (1,963)

4 4.3 100 × 1 × 30

Precihitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	0	5	18	0	0	0	0	0	34	0	1
2	7	0	0	7	22	4	0	0	0	30	42	0	2
3	0	22	0	12	11	0	0	0	0	0	28	0	3
4	0	18	0	15	0	0	0	0	0	0	12	2	4
5	0	27	0	14	8	0	4	0	0	0	27	0	5
6	0	12	11	11	18	0	12	0	0	0	20	12	6
7	0	8	0	20	23	0	0	0	0	0	23	0	7
8	0	6	0	5	12	0	8	0	0	0	0	2	8
9	12	3	0	10	5	22	4	0	0	0	24	8	9
10	5	4	4	18	4	18	3	4	0	0	46	12	10
11	0	5	6	12	10	17	4	5	0	0	8	4	11
12	0	0	5	10	11	25	0	7	0	0	0	3	12
13	6	0	0	2	3	18	0	3	0	18	10	2	13
14	0	8	0	0	4	24	0	5	0	12	7	5	14
15	0	0	0	0	2	10	0	0	0	24	0	0	15
16	4	0	0	0	6	5	0	0	6	4	0	0	16
17	0	19	0	0	0	5	0	0	0	2	14	4	17
18	8	21	28	25	0	0	0	0	0	0	0	6	18
19	0	11	7	72	0	0	0	0	0	0	0	0	19
20	2	0	5	3	0	0	2	0	0	0	2	4	20
21	2	4	10	3	10	0	6	0	5	8	8	2	21
22	0	7	8	2	0	0	0	0	0	4	12	0	22
23	0	14	0	0	0	0	0	0	4	0	18	0	23
24	12	0	20	0	0	0	0	0	6	4	24	0	24
25	4	3	17	4	0	0	0	0	4	88	6	12	25
26	5	2	0	4	0	0	0	0	0	0	21	8	26
27	2	0	0	5	0	0	0	0	0	26	0	6	27
28	0	0	0	4	0	0	0	0	2	22	6	4	28
29	0		3	0	0	0	0	0	0	26	2	20	29
30	0		6	17	0	0	2	0	2	20	2	18	30
31	0		8		0		0	0		26		28	31
Sum.	69	194	138	280	167	148	45	24	29	314	396	162	

Annual Total (1,966)

44.3 100 × 1 × 30

Precihitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	DATE
1	24	0	0	8	2	8	0	0	0	0	3	4	1
2	0	0	0	12	0	5	0	0	0	0	12	2	2
3	0	0	0	4	4	4	0	0	0	0	22	3	3
4	0	0	0	10	25	2	6	0	0	0	6	0	4
5	0	0	0	18	4	10	4	0	0	7	0	10	5
6	0	0	0	2	0	6	0	0	0	8	3	12	6
7	0	0	0	4	0	3	0	0	0	3	2	5	7
8	0	0	0	6	0	2	0	0	0	15	15	6	8
9	0	23	0	2	12	2	0	0	0	5	2	5	9
10	2	0	4	0	0	2	0	0	0	0	0	6	10
11	2	40	2	12	11	4	0	0	0	5	0	20	11
12	0	48	0	18	8	5	0	0	0	19	2	7	12
13	8	0	0	10	6	2	0	0	0	11	5	0	13
14	22	20	0	7	2	2	0	2	0	0	6	0	14
15	4	15	0	6	0	5	0	4	8	0	3	3	15
16	0	14	0	12	0	0	0	3	0	7	8	5	16
17	0	8	25	8	0	0	5	4	0	19	3	7	17
18	0	0	0	0	0	0	8	0	0	11	20	0	18
19	0	4	0	0	0	0	10	2	0	0	0	3	19
20	0	22	0	5	0	0	12	3	0	0	0	28	20
21	0	18	0	0	0	7	0	4	0	17	2	10	21
22	0	8	0	3	3	6	12	8	0	0	0	17	22
23	0	6	0	2	2	0	2	3	7	6	3	29	23
24	2	2	0	18	0	12	9	4	0	10	0	8	24
25	0	2	0	8	2	10	0	0	2	3	3	21	25
26	0	0	0	10	0	8	4	8	0	0	0	10	26
27	0	0	0	10	12	3	6	4	0	0	2	8	27
28	0	0	11	8	8	2	7	2	0	2	15	7	28
29	0	0	14	4	50	2	2	6	0	2	16	0	29
30	0		8	3	15	2	0	3	10	0	0	8	30
31	0		0		12		0	2		0		13	31
Sum.	64	230	64	210	178	114	87	62	27	150	153	257	

Annual Total (1,596)

44.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	2	0	0	0	0	0	0	0	14	4	8	1
2	0	2	0	4	0	0	0	0	0	3	7	12	2
3	8	2	0	2	0	0	0	0	0	0	9	0	3
4	0	0	0	0	0	0	0	0	0	0	12	0	4
5	0	0	0	0	0	0	0	0	0	0	23	0	5
6	12	3	2	22	0	0	2	0	0	0	0	4	6
7	4	4	0	0	3	0	0	0	3	0	6	9	7
8	2	0	0	8	4	0	0	0	0	0	18	14	8
9	0	0	3	12	10	0	0	0	2	0	2	18	9
10	0	0	4	10	3	2	0	0	0	3	0	8	10
11	0	0	0	6	17	0	0	0	0	8	0	10	11
12	2	0	0	7	26	2	0	0	0	5	0	4	12
13	0	0	5	4	2	0	0	0	0	7	5	22	13
14	0	0	0	3	0	0	0	0	0	23	9	0	14
15	0	0	2	8	0	0	0	0	0	9	12	0	15
16	0	0	3	23	0	2	0	0	0	6	14	0	16
17	0	0	7	42	0	4	0	4	5	3	18	4	17
18	0	0	0	10	0	0	0	5	6	12	8	0	18
19	0	0	0	23	0	0	0	7	0	28	8	2	19
20	4	2	0	8	6	0	0	0	13	4	3	0	20
21	0	0	0	0	4	0	0	0	8	0	5	0	21
22	8	0	0	0	0	0	0	0	6	2	2	0	22
23	5	0	0	4	0	0	2	0	4	4	0	0	23
24	7	0	0	2	0	0	0	0	0	7	7	4	24
25	2	0	0	0	0	2	0	0	3	26	10	0	25
26	0	2	0	0	0	0	0	2	2	0	8	0	26
27	7	0	0	0	3	0	0	0	16	8	9	0	27
28	6	0	0	3	4	0	0	0	20	5	3	0	28
29	10		7	0	0	0	0	0	4	3	2	2	29
30	3		0	0	2	0	0	0	7	0	4	4	30
31	4		2		0		0	0		9		0	31
Sum.	84	17	28	201	84	12	4	18	99	189	208	125	

Annual Total (1,069)

44.3 100 × 1 × 30

Precipitation STATION Popayán

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	0	0	0	7	18	0	5	32	4	27	1
2	0	0	0	0	0	0	0	4	0	28	7	8	2
3	0	0	3	0	0	0	0	7	8	34	26	5	3
4	0	4	0	0	3	0	0	0	0	8	19	9	4
5	0	0	0	0	8	0	0	4	0	0	4	11	5
6	0	0	0	0	18	0	0	0	0	5	2	13	6
7	0	0	0	0	11	0	2	0	9	2	28	29	7
8	2	4	2	7	0	4	2	0	12	17	0	33	8
9	4	0	9	0	0	7	12	0	17	0	0	35	9
10	0	8	7	0	34	2	6	0	8	13	7	40	10
11	0	3	0	0	0	0	17	0	4	21	16	8	11
12	0	4	0	14	0	0	8	4	0	4	9	20	12
13	8	0	0	4	0	0	0	7	0	12	4	2	13
14	14	0	4	3	4	0	4	12	6	7	18	18	14
15	0	0	2	0	0	3	0	0	9	0	32	3	15
16	0	6	7	0	4	8	0	5	0	0	0	31	16
17	0	0	2	0	8	0	0	12	27	5	12	4	17
18	4	0	0	21	0	0	0	2	4	11	7	15	18
19	2	0	0	8	0	0	0	0	0	35	0	7	19
20	0	2	0	0	3	12	0	0	18	15	9	16	20
21	0	0	0	0	7	7	0	0	21	8	18	2	21
22	0	0	0	26	42	0	0	0	0	4	13	19	22
23	8	0	0	28	12	0	4	0	0	24	4	28	23
24	9	0	0	0	23	13	0	8	0	6	8	17	24
25	17	4	4	2	5	0	0	0	0	13	0	0	25
26	22	0	8	0	0	0	0	0	8	27	6	11	26
27	0	7	0	0	4	3	0	6	0	8	10	2	27
28	18	0	2	0	7	0	7	12	32	0	38	7	28
29	7		4	0	12	0	0	0	27	0	14	0	29
30	6		0	0	8	4	0	4	9	0	21	0	30
31	2		0		0		0	0		0		0	31
Sum.	123	42	54	113	213	71	80	87	224	339	336	420	

Annual Total (2,102)

44.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	48	0	0	2	7	0	0	0	0	18	0	1
2	0	52	0	0	3	4	0	0	0	0	13	0	2
3	0	4	0	3	0	2	0	0	0	0	15	0	3
4	3	8	0	0	6	37	0	0	0	0	19	0	4
5	21	9	0	0	0	4	0	0	0	0	12	0	5
6	0	7	0	0	2	0	4	0	0	0	11	0	6
7	0	5	22	0	0	4	0	0	0	0	23	0	7
8	0	3	0	0	4	0	0	0	11	5	31	0	8
9	0	6	29	0	6	2	0	0	0	25	10	0	9
10	0	8	0	0	12	6	0	0	0	4	8	7	10
11	0	27	3	0	6	0	0	0	3	27	0	21	11
12	0	0	4	0	0	11	0	0	0	13	12	0	12
13	0	7	0	2	10	0	4	0	25	0	28	0	13
14	0	0	13	6	0	0	0	0	0	0	8	4	14
15	0	0	9	0	11	0	0	0	0	0	0	0	15
16	12	11	15	0	0	0	0	0	0	0	17	0	16
17	6	0	24	16	0	2	0	0	0	0	14	20	17
18	0	0	0	0	0	0	0	0	0	0	12	4	18
19	0	0	0	0	0	0	0	0	0	4	48	2	19
20	0	0	0	0	0	0	0	0	0	19	18	0	20
21	0	9	0	7	0	0	0	0	0	0	33	0	21
22	8	3	31	20	0	0	0	0	0	0	9	8	22
23	0	8	0	2	0	2	0	0	0	12	29	6	23
24	3	0	0	5	0	0	0	0	0	17	15	17	24
25	0	7	0	0	0	5	0	0	0	14	23	26	25
26	0	0	9	15	0	0	0	2	0	33	42	4	26
27	0	0	12	0	0	0	0	0	0	10	28	30	27
28	0	0	4	3	2	0	0	0	17	0	2	27	28
29	2		18	0	0	0	0	0	12	4	0	8	29
30	20		0	0	4	0	0	0	2	2	0	26	30
31	8		0		8		0	0		6		2	31
Sum.	83	222	193	79	76	86	8	2	70	195	498	212	

Annual Total (1,724)

44.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	22	7	0	0	4	3	0	0	22	0	23	1
2	0	18	12	0	0	10	4	0	0	0	0	0	2
3	0	17	3	0	0	4	16	0	0	0	0	0	3
4	0	12	0	0	0	0	9	2	0	2	0	8	4
5	0	0	0	12	0	0	0	0	0	0	0	0	5
6	0	3	0	0	0	32	0	0	4	28	0	8	6
7	0	15	0	12	10	0	0	0	0	10	0	24	7
8	5	0	0	7	28	0	0	0	0	45	23	0	8
9	0	12	7	32	2	0	0	0	0	52	3	0	9
10	0	0	4	57	0	0	0	0	0	12	12	25	10
11	0	4	31	39	0	0	0	0	0	8	16	0	11
12	0	0	8	12	0	8	0	0	0	42	18	28	12
13	8	21	0	8	5	2	0	0	0	12	0	0	13
14	4	0	22	22	11	0	4	0	0	0	18	0	14
15	6	0	27	4	0	0	3	0	0	0	52	0	15
16	0	0	15	3	0	5	0	0	0	8	32	0	16
17	0	0	4	10	0	4	0	0	3	7	4	0	17
18	0	0	0	17	4	0	0	0	0	48	42	0	18
19	0	12	0	8	0	4	0	0	2	37	13	32	19
20	0	5	0	0	0	4	0	0	12	0	35	0	20
21	0	17	0	0	3	2	0	0	0	0	28	6	21
22	10	26	0	24	0	8	0	0	0	0	8	14	22
23	0	18	0	51	2	4	0	0	0	0	7	17	23
24	16	0	0	5	0	0	0	0	0	8	0	6	24
25	0	0	0	0	0	0	0	2	0	28	0	13	25
26	12	3	0	3	0	0	0	0	0	42	12	0	26
27	0	0	0	0	0	0	0	13	14	22	10	0	27
28	0	2	0	0	0	0	2	16	41	13	21	0	28
29	30	4	2	3	0	10	0	14	4	6	15	0	29
30	20		0	0	2	12	0	38	10	12	29	0	30
31	32		0		8		0	8		0		0	31
Sum.	143	211	142	329	75	113	41	93	90	464	398	204	

Annual Total (2,303)

44.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	3	0	0	0	10	28	0	0	0	25	5	13	1
2	0	2	2	0	19	0	0	0	0	9	27	16	2
3	0	0	5	0	15	0	0	0	0	6	0	0	3
4	0	0	6	0	8	27	0	0	0	15	7	1	4
5	0	0	0	35	0	4	0	3	0	9	4	13	5
6	0	5	0	28	0	17	0	0	0	8	18	12	6
7	0	9	0	0	0	2	0	0	0	33	12	0	7
8	0	23	0	12	0	0	0	4	0	0	18	25	8
9	0	7	0	12	0	2	0	8	0	0	5	15	9
10	0	6	4	18	0	0	0	0	0	0	4	26	10
11	2	2	12	38	0	0	0	0	0	25	2	84	11
12	2	4	8	7	0	0	2	0	0	22	39	0	12
13	0	3	14	19	0	0	0	0	0	14	32	0	13
14	13	0	2	42	0	0	0	0	0	29	12	0	14
15	28	7	0	12	4	0	0	0	0	15	45	0	15
16	30	4	2	21	6	4	0	9	0	6	0	0	16
17	16	0	3	10	7	2	0	5	0	4	0	0	17
18	10	0	0	7	4	0	0	0	22	13	21	0	18
19	0	47	0	5	0	6	0	0	36	0	0	12	19
20	0	0	0	0	2	0	0	0	0	25	2	0	20
21	0	0	0	0	0	0	0	3	0	0	3	0	21
22	14	2	0	12	5	0	0	5	0	26	0	41	22
23	18	26	0	8	0	0	0	0	2	21	22	5	23
24	0	17	0	16	0	0	0	0	0	15	0	0	24
25	0	2	0	6	0	0	0	0	27	6	10	0	25
26	0	0	2	0	0	0	0	0	0	27	11	18	26
27	0	0	7	0	0	12	0	0	38	2	30	0	27
28	0	0	4	28	0	0	0	0	45	3	3	33	28
29	0		2	12	2	0	0	0	12	1	2	0	29
30	22		0	15	0	0	8	0	5	13	20	0	30
31	0		0		0		47	0		0		0	31
Sum.	158	166	73	353	82	104	57	37	187	372	354	314	

Annual Total (2,257)

44.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	20	0	3	0	0	0	3	20	13	0	1
2	0	32	25	2	5	0	0	0	5	64	14	0	2
3	0	27	0	0	2	15	0	0	4	10	44	2	3
4	0	10	12	0	2	6	0	24	6	10	16	3	4
5	0	0	0	1	10	9	6	0	38	40	0	4	5
6	0	20	5	2	30	3	7	0	12	10	8	3	6
7	0	2	7	7	3	4	4	0	5	4	35	4	7
8	0	5	5	0	0	2	2	0	5	9	40	2	8
9	0	0	0	0	15	0	6	0	3	3	12	3	9
10	0	0	0	11	3	6	15	0	0	8	8	0	10
11	24	0	12	6	2	6	12	0	0	0	22	12	11
12	22	0	3	20	24	8	0	22	0	26	12	5	12
13	35	0	0	5	54	2	0	5	12	5	6	0	13
14	26	0	0	0	18	0	0	6	6	0	20	5	14
15	0	0	10	0	55	0	0	0	0	0	35	10	15
16	0	0	0	0	3	0	0	0	2	0	12	12	16
17	31	30	0	0	50	0	7	0	3	0	6	20	17
18	20	0	0	0	2	0	5	0	4	12	25	15	18
19	23	17	0	0	0	0	3	0	7	5	4	12	19
20	0	17	0	0	0	3	2	0	10	8	5	38	20
21	0	0	0	0	0	2	20	0	3	0	9	20	21
22	0	0	0	2	0	5	15	0	0	4	17	5	22
23	18	0	0	15	2	16	6	13	2	15	20	3	23
24	12	42	0	5	4	10	4	18	3	46	22	0	24
25	43	3	0	0	5	0	0	15	4	10	3	0	25
26	0	1	0	0	22	0	0	4	6	3	5	14	26
27	0	22	0	4	35	0	0	3	30	24	4	2	27
28	0	0	0	10	2	0	15	2	5	0	6	0	28
29	0		2	15	0	0	12	2	2	25	5	0	29
30	0		0	0	0	0	0	3	10	6	3	0	30
31	15		0		0		0	2		27		0	31
Sum.	269	228	101	105	351	97	141	119	190	394	431	194	

Annual Total (2,620)

44.3 100 × 1 × 30

Precipitation STATION Popayan

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	48	12	4	20	10	0	1	0	0	8	38		1
2	3	10	6	5	8	0	2	0	0	4	3		2
3	15	9	5	0	12	0	1	0	2	5	2		3
4	20	20	0	0	5	3	2	3	2	5	6		4
5	70	10	0	0	0	7	1	8	3	6	12		5
6	40	15	0	8	0	7	5	0	7	3	1		6
7	32	0	0	12	0	3	0	0	21	3	1		7
8	18	47	0	3	0	4	0	0	6	27	0		8
9	10	33	0	0	0	2	1	0	0	0	10		9
10	9	5	0	0	15	4	1	0	5	49	4		10
11	15	0	5	0	0	0	5	0	0	2	2		11
12	30	0	5	0	0	5	9	0	0	7	4		12
13	5	0	0	0	0	0	4	0	0	0	0		13
14	0	0	0	13	12	13	0	1	3	0	18		14
15	0	52	0	5	8	0	0	4	0	3	14		15
16	18	20	3	0	5	0	0	5	0	7	45		16
17	20	42	5	0	0	0	0	7	0	1	19		17
18	6	13	8	0	5	3	0	0	0	4	7		18
19	10	5	8	0	33	0	0	15	0	1	5		19
20	9	0	5	0	20	7	0	0	37	2	13		20
21	0	0	6	3	21	3	0	0	1	23	3		21
22	0	0	4	5	56	4	0	0	1	8	21		22
23	38	0	15	0	5	0	0	0	0	45	7		23
24	14	0	5	0	12	0	0	2	3	0	27		24
25	5	0	20	8	5	0	5	5	0	45	27		25
26	6	0	10	7	5	3	51	10	2	34	30		26
27	4	0	20	0	3	0	0	3	0	23	15		27
28	5	0	10	0	0	2	0	0	0	2	29		28
29	3		10	0	0	1	0	0	14	3	0		29
30	0		40	0	0	8	0	0	0	5	4		30
31	10		35		0		0	0		0			31
Sum.	463	293	229	89	240	79	88	63	107	325	367		

Annual Total ( )

443 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1961

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	15	0	3		0	0	0	0	0	59	0	1
2	0	15	0	0		0	0	0	0	0	85	0	2
3	0	14	0	28		0	0	0	0	0	10	0	3
4	0	5	0	39		0	0	0	5	0	15	0	4
5	0	0	0	0		0	0	0	8	0	40	0	5
6	0	0	0	0		0	0	0	38	0	85	0	6
7	0	0	0	0		0	0	0	0	0	35	0	7
8	0	0	0	0		27	0	0	0	0	10	0	8
9	0	0	47	0		0	0	0	0	0	29	0	9
10	0	0	0	0		0	0	0	0	0	15	0	10
11	0	0	0	0		11	4	0	0	20	30	0	11
12	0	0	27	21		15	0	0	0	30	32	0	12
13	0	0	1	0		13	0	0	0	15	6	0	13
14	0	0	5	0		15	4	0	5	20	10	0	14
15	23	0	19	0		0	0	0	0	25	50	0	15
16	10	0	8	0		0	0	0	0	15	35	0	16
17	8	0	4	0		0	0	0	0	45	35	0	17
18	8	0	9	0		0	0	0	0	3	20	0	18
19	4	0	30	0		0	0	0	0	48	8	0	19
20	0	0	3	7		0	0	0	0	9	55	0	20
21	0	0	32	9		0	0	0	0	7	17	0	21
22	0	0	75	4		0	0	0	0	30	49	0	22
23	0	0	0	8		0	0	0	0	5	70	0	23
24	0	0	0	35		0	0	0	0	3	4	0	24
25	10	0	0	39		0	0	0	0	15	0	0	25
26	0	1	0	4		0	0	0	0	45	35	0	26
27	0	1	0	7		0	0	0	0	13	0	0	27
28	10	4	19	0		0	0	0	0	5	0	0	28
29	16		0	0		0	0	0	0	9	0	3	29
30	10		0	0		0	0	0	0	18	0	8	30
31	20		0				0	0		28		0	31
Sum.	119	55	279	204		81	8	0	56	408	839	11	

Annual Total ( )

443 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF _____ ELEVATION _____ UNIT mm YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	0	0	11	0	1	13	0	8	15	0	1
2	0	0	0	0	8	0	0	8	0	1	3	3	2
3	0	0	0	0	5	0	0	3	0	4	1	0	3
4	0	0	0	0	15	0	0	1	0	15	29	1	4
5	0	0	0	0	3	3	3	5	0	4	6	0	5
6	0	0	20	0	4	8	0	29	0	7	61	0	6
7	0	0	28	0	1	1	0	4	0	2	18	0	7
8	0	25	58	0	1	9	0	5	0	9	5	0	8
9	0	40	3	0	0	0	0	0	0	21	9	0	9
10	30	0	0	0	0	3	0	3	0	42	2	20	10
11	25	0	21	0	0	1	0	14	0	5	0	13	11
12	14	0	0	0	5	31	0	9	0	15	1	90	12
13	8	0	14	0	0	9	0	0	3	3	25	5	13
14	3	0	0	0	10	0	0	1	8	9	3	9	14
15	8	0	0	0	52	2	0	8	0	2	5	2	15
16	9	0	0	0	11	5	0	3	0	18	10	15	16
17	0	0	0	0	19	0	0	0	18	1	30	10	17
18	0	0	0	0	5	9	0	0	1	0	70	3	18
19	0	0	0	0	18	3	0	0	0	0	3	70	19
20	0	0	8	0	25	18	0	0	8	0	5	85	20
21	3	0	0	20	0	0	0	0	0	5	15	39	21
22	0	0	35	8	0	55	0	0	0	1	18	8	22
23	24	0	3	5	0	6	0	0	0	8	0	3	23
24	13	0	8	8	15	0	0	0	0	0	9	14	24
25	0	0	5	4	8	3	0	0	5	0	30	21	25
26	0	0	20	0	20	8	0	0	0	0	2	9	26
27	0	0	35	0	47	0	0	0	0	0	1	2	27
28	0	0	5	0	2	0	0	0	0	0	45	6	28
29	0		0	5	0	0	0	0	9	9	10	0	29
30	0		0	1	0	1	0	0	3	3	5	0	30
31	0		0		0		0	0		10		1	31
Sum.	137	65	263	51	285	175	4	106	55	202	436	429	

Annual Total (2,208)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF _____ ELEVATION _____ UNIT mm YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	2	1	6	5	17	0	3	3	0	5	15	1	1
2	0	5	7	18	5	0	8	8	0	3	8	3	2
3	8	3	5	9	8	0	1	2	0	1	64	0	3
4	15	8	8	3	48	0	5	0	0	0	8	0	4
5	1	0	9	10	3	0	0	0	0	5	9	0	5
6	0	0	10	22	18	0	0	8	0	3	15	2	6
7	5	1	12	2	4	0	0	3	0	0	8	0	7
8	0	5	21	9	15	5	0	5	0	0	21	0	8
9	0	3	22	5	8	22	9	10	0	0	3	5	9
10	0	0	4	1	1	3	0	0	0	0	8	9	10
11	0	0	5	15	3	2	1	0	0	5	10	2	11
12	0	15	29	35	0	49	5	0	0	0	3	0	12
13	8	8	18	8	2	3	3	0	0	3	20	0	13
14	5	20	0	3	0	8	0	0	0	5	8	15	14
15	18	8	4	2	0	0	0	0	0	10	5	3	15
16	3	3	3	8	0	0	0	0	0	17	2	0	16
17	0	24	5	3	15	0	8	3	0	9	5	0	17
18	25	31	3	1	5	0	3	0	0	4	2	0	18
19	1	5	9	0	8	1	0	0	0	5	18	5	19
20	40	5	15	2	3	0	0	0	0	8	5	8	20
21	15	0	21	20	1	0	0	0	0	5	1	0	21
22	9	0	35	5	22	0	0	0	0	1	8	0	22
23	0	5	18	0	8	0	0	0	0	0	2	3	23
24	0	28	49	0	3	0	3	0	0	0	5	5	24
25	14	13	1	1	0	0	0	0	0	21	8	0	25
26	45	9	8	0	0	0	8	0	0	8	5	1	26
27	0	4	0	3	0	0	0	0	0	3	0	9	27
28	27	0	5	0	0	0	0	0	0	9	1	0	28
29	35		15	5	0	0	0	0	0	2	3	3	29
30	18		0	3	0	0	0	0	0	61	21	0	30
31	9		3		0		0	0		29		0	31
Sum.	304	204	350	198	197	93	57	42	0	222	291	74	

Annual Total (2,031)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF _____ ELEVATION _____ UNIT mm YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	2	0	0	8	3	5	5	0	0	2	15	2	1
2	3	0	0	3	8	2	2	0	0	0	20	1	2
3	4	0	0	5	0	10	10	0	0	0	3	0	3
4	8	0	0	20	2	0	0	0	0	0	5	0	4
5	5	0	0	8	0	8	8	8	0	0	3	0	5
6	0	0	0	5	0	4	4	15	0	0	10	8	6
7	0	0	0	5	0	5	5	9	0	2	2	20	7
8	0	0	0	15	3	0	0	3	0	8	5	3	8
9	0	0	5	45	1	3	3	2	2	10	3	9	9
10	0	0	3	8	5	9	9	20	5	3	21	3	10
11	0	0	9	5	3	5	5	8	9	22	8	8	11
12	0	0	2	2	0	3	3	0	15	5	3	1	12
13	0	3	5	9	6	15	15	0	0	6	0	0	13
14	0	0	8	4	0	5	5	5	0	1	7	2	14
15	0	0	0	10	0	9	9	1	0	4	2	0	15
16	0	0	0	0	0	0	0	0	0	2	3	0	16
17	0	0	0	3	3	0	0	8	0	3	3	0	17
18	0	0	8	11	8	2	2	0	0	8	8	2	18
19	0	0	1	2	0	8	8	0	0	0	0	0	19
20	0	3	3	9	0	3	0	2	0	0	2	2	20
21	0	9	0	15	0	0	0	0	0	4	5	0	21
22	3	0	5	3	17	0	2	0	0	8	0	3	22
23	5	0	0	8	8	0	0	2	0	3	4	5	23
24	0	0	0	5	2	0	0	0	0	9	0	3	24
25	0	0	10	0	1	0	8	0	0	28	15	8	25
26	0	0	8	4	5	0	0	0	0	5	0	5	26
27	1	0	9	0	14	10	0	0	0	3	9	0	27
28	0	0	2	0	0	8	0	0	0	0	1	1	28
29	0	0	19	5	9	0	0	5	0	4	5	2	29
30	0		2	3	0	18	0	0	0	8	0	4	30
31	0		10		5		0	0		0		9	31
Sum.	31	15	109	220	105	132	103	88	31	148	162	101	

Annual Total (1,245)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF _____ ELEVATION _____ UNIT mm YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	2	0	5	5	4	7	1			2	0	11	1
2	4	0	0	2	6	0	3			16	0	0	2
3	0	0	0	0	1	0	0			0	0	0	3
4	3	0	3	0	0	0	2			0	0	0	4
5	0	0	0	0	3	0	0			4	0	0	5
6	0	0	8	5	5	0	0			0	18	4	6
7	3	0	4	3	7	0	0			0	12	42	7
8	0	0	7	8	2	0	0			0	0	38	8
9	0	0	3	9	10	0	0			0	0	17	9
10	0	0	0	0	4	0	0			4	6	2	10
11	3	0	4	14	33	0	0			15	15	15	11
12	0	8	9	5	53	0				1	3	14	12
13	2	3	10	17	7	0				0	0	4	13
14	0	0	8	5	9	0				16	11	3	14
15	0	0	15	4	8	0				2	6	0	15
16	0	0	0	19	5	0				35	41	0	16
17	5	0	0	4	9	0			0	9	3	0	17
18	15	0	0	2	0	0			5	16	12	0	18
19	4	0	2	8	0	0			0	2	9	0	19
20	3	0	3	15	3	0			0	0	14	0	20
21	8	0	0	3	0	0			1	0	15	4	21
22	0	3	0	8	0	0			0	0	7	0	22
23	5	8	0	4	0	0			0	2	22	0	23
24	5	3	0	0	0	0			0	0	18	0	24
25	3	9	0	0	0	0			0	9	20	5	25
26	0	0	0	3	0	0			1	0	12	22	26
27	0	4	5	8	4	0			3	13	64	2	27
28	2	8	3	0	3	0			4	4	11	0	28
29	0		0	8	0	0			15	0	37	0	29
30	0		9	3	20				27	0	1	3	30
31	0		2		10	3				2		40	31
Sum.	67	46	100	162	206	10				152	357	226	

Annual Total ( )

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	7	0	0	8	9	2	5	0	2	2	15	0	1
2	3	0	0	4	18	8	0	3	4	5	8	14	2
3	0	9	0	15	3	0	9	0	8	8	5	58	3
4	0	0	0	1	25	5	2	0	0	3	16	18	4
5	0	3	41	3	14	0	1	0	0	28	9	43	5
6	0	10	28	18	0	4	0	0	0	2	21	81	6
7	0	13	0	0	0	0	0	0	0	1	16	35	7
8	0	12	2	13	3	5	2	0	3	10	19	49	8
9	9	0	15	10	18	0	3	0	5	5	29	78	9
10	0	0	25	0	0	9	5	0	3	3	8	89	10
11	0	7	82	5	1	0	3	2	0	21	15	45	11
12	0	0	7	0	0	3	0	1	0	42	19	75	12
13	0	11	18	0	8	0	45	3	2	2	25	105	13
14	0	0	0	0	5	7	13	3	25	8	45	95	14
15	0	0	0	3	18	0	0	9	15	1	29	74	15
16	0	0	0	0	8	0	0	0	0	0	8	15	16
17	0	0	0	0	3	17	0	0	15	9	13	53	17
18	7	0	0	4	5	3	0	0	3	6	19	58	18
19	0	0	0	3	2	0	0	0	0	1	53	19	19
20	0	0	3	0	0	5	0	8	0	0	14	49	20
21	0	0	7	0	0	8	0	3	3	49	28	117	21
22	0	0	9	3	0	0	3	1	1	0	1	99	22
23	0	0	5	9	2	2	0	3	5	8	15	82	23
24	0	0	0	15	1	9	2	0	0	0	82	2	24
25	0	0	15	35	0	0	0	0	8	0	3	0	25
26	0	0	9	19	5	5	0	0	0	0	2	0	26
27	0	3	2	0	3	0	0	0	2	3	49	3	27
28	26	0	0	0	0	0	0	0	0	0	15	0	28
29	0		5	0	1	5	0	0	0	0	59	1	29
30	0		3	0	0	1	0	0	8	0	85	0	30
31	0		0		0		0	1		0		0	31
Sum.	52	68	276	168	152	98	93	37	112	217	725	1,357	

Annual Total (3,355)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	5	15	0	9	2	5	5	1	0	2	28	5	1
2	2	8	0	15	1	3	3	0	2	0	19	8	2
3	0	4	8	4	18	10	1	0	4	4	15	30	3
4	8	11	16	0	5	0	0	0	0	2	8	18	4
5	5	5	1	19	0	4	0	0	0	0	4	19	5
6	2	8	4	0	0	21	0	3	0	0	18	17	6
7	12	3	0	0	2	0	0	1	0	0	25	35	7
8	0	9	0	5	0	6	3	4	0	3	15	0	8
9	11	16	0	0	0	4	0	5	0	5	9	3	9
10	0	0	0	0	3	0	1	0	0	22	30	0	10
11	0	8	7	0	0	0	0	3	3	3	48	5	11
12	2	0	8	5	20	0	4	0	11	30	40	25	12
13	10	0	0	21	0	1	9	0	0	5	45	14	13
14	5	8	0	8	0	0	0	5	0	0	50	3	14
15	0	5	5	15	21	0	8	1	0	2	35	37	15
16	0	18	0	9	0	0	1	4	0	4	42	9	16
17	0	3	15	58	14	25	0	8	3	0	9	15	17
18	8	11	16	38	18	4	0	0	0	8	7	0	18
19	0	8	18	29	0	0	1	0	0	5	65	15	19
20	0	12	0	51	0	0	0	0	0	0	50	20	20
21	2	4	0	9	0	0	5	0	1	25	10	0	21
22	0	2	2	3	2	3	0	2	0	0	55	13	22
23	0	6	0	5	1	0	4	0	0	2	85	5	23
24	0	18	0	68	0	0	0	9	4	5	37	9	24
25	8	3	4	12	2	0	0	3	0	11	77	4	25
26	5	0	0	5	0	0	0	5	0	15	18	0	26
27	8	1	0	22	35	0	0	0	2	3	29	37	27
28	3	0	1	13	3	0	0	8	0	21	51	0	28
29	0		0	0	0	2	3	0	3	25	1	17	29
30	5		3	18	0	1	0	5	3	5	1	0	30
31	15		21		0		0	0		3		0	31
Sum.	116	186	129	441	147	89	43	67	36	210	926	363	

Annual Total (2,758)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	63	5	4	15	25	2	1	8	2	5	2	1
2	3	13	61	8	3	14	1	0	20	3	8	8	2
3	0	18	3	9	8	9	5	0	3	0	11	4	3
4	0	29	18	25	4	10	0	3	4	0	70	15	4
5	0	56	22	0	0	10	0	2	8	0	3	1	5
6	0	13	15	0	5	8	0	0	3	6	28	0	6
7	0	5	0	5	71	0	1	0	0	15	0	0	7
8	0	17	20	2	40	3	0	0	8	10	74	0	8
9	0	0	3	0	8	1	5	8	4	2	18	0	9
10	0	1	2	0	5	0	10	0	0	0	1	2	10
11	0	0	12	15	55	0	8	4	0	5	0	7	11
12	0	0	1	8	13	0	3	3	0	8	2	4	12
13	3	5	0	0	0	3	0	5	5	1	35	0	13
14	13	0	14	0	0	0	0	0	1	0	8	0	14
15	0	0	0	65	15	0	18	0	3	0	39	45	15
16	18	0	3	8	5	0	10	0	8	0	11	25	16
17	0	5	3	5	15	15	4	0	1	2	15	5	17
18	13	0	0	8	16	3	1	0	2	0	3	2	18
19	0	8	4	3	25	4	0	0	3	9	8	0	19
20	3	21	0	25	8	0	8	0	12	0	20	0	20
21	0	0	4	0	3	1	2	0	29	0	31	1	21
22	0	12	14	0	0	8	0	0	8	4	8	0	22
23	8	5	4	2	4	0	0	1	3	0	4	24	23
24	15	14	0	1	9	0	1	0	4	25	8	3	24
25	35	35	5	3	0	3	3	0	5	10	10	5	25
26	19	4	8	0	0	1	15	8	7	35	15	0	26
27	0	3	0	0	3	0	0	1	0	8	0	0	27
28	0	6	1	0	18	0	9	3	0	15	1	2	28
29	0	25	0	8	5	0	4	2	22	28	0	0	29
30	0		1	0	2	0	1	5	2	4	1	0	30
31	0		1		0		5	17		0		0	31
Sum.	130	358	224	204	355	118	116	64	173	192	437	155	

Annual Total (2,526)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	2	0	2	2	8	5	0	0	0	9	5	10	1
2	1	0	1	21	15	17	0	1	0	5	0	1	2
3	18	0	0	0	2	8	2	0	0	17	0	3	3
4	0	0	0	0	0	3	0	0	0	6	0	1	4
5	0	0	0	0	5	21	0	0	0	25	10	15	5
6	0	0	0	15	0	0	0	8	0	6	10	5	6
7	0	2	5	3	0	4	0	2	0	9	51	3	7
8	4	0	0	28	0	1	0	0	1	12	25	1	8
9	8	0	0	40	1	5	0	0	0	0	35	1	9
10	3	28	0	35	6	0	0	12	0	0	45	14	10
11	0	0	0	51	1	0	0	4	0	0	4	9	11
12	0	0	0	4	8	2	0	9	0	9	2	35	12
13	0	5	0	18	2	0	0	0	12	0	4	4	13
14	25	0	0	80	3	0	1	15	0	19	0	6	14
15	4	2	0	60	0	0	0	8	0	27	25	9	15
16	0	4	0	21	1	0	0	1	0	9	5	1	16
17	8	3	13	15	5	1	0	15	0	7	4	0	17
18	8	28	0	8	0	1	2	18	2	15	10	1	18
19	0	1	0	2	2	0	0	0	35	2	4	0	19
20	4	0	0	1	4	0	0	0	11	0	0	12	20
21	18	0	0	45	51	0	0	30	25	0	12	0	21
22	0	0	1	21	3	0	0	0	15	10	6	0	22
23	1	4	0	3	65	0	5	0	18	58	10	0	23
24	35	3	0	39	6	0	2	0	21	37	2	0	24
25	19	0	2	4	0	0	0	0	15	14	19	1	25
26	0	0	0	1	2	0	0	0	1	7	4	0	26
27	8	0	0	8	9	0	1	0	8	0	0	0	27
28	2	0	0	0	0	0	3	0	5	0	0	27	28
29	15		5	5	1	0	0	0	41	10	0	1	29
30	0		0	0	0	0	0	0	0	4	0	0	30
31	0		0		15		0	0		9		0	31
Sum.	183	80	29	530	215	67	16	123	210	326	292	160	

Annual Total (2,231)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	8	29	0	0	0	0	0	0	15	13	47	1
2	0	0	39	0	2	4	0	0	3	8	23	21	2
3	0	14	10	0	2	1	0	0	1	6	16	17	3
4	0	35	21	0	1	2	0	0	7	3	23	0	4
5	0	11	0	2	0	8	0	0	6	17	29	14	5
6	0	25	6	3	0	10	0	0	0	7	2	6	6
7	0	2	15	4	2	12	0	0	0	22	10	0	7
8	0	0	24	0	15	17	10	1	0	42	23	0	8
9	0	1	1	0	9	7	3	0	0	14	53	1	9
10	0	0	0	3	5	0	0	0	0	9	22	15	10
11	10	0	2	2	1	1	26	0	0	17	2	0	11
12	16	0	0	19	2	3	0	3	0	0	12	5	12
13	2	0	0	2	0	1	0	0	0	0	13	0	13
14	0	0	0	28	12	5	0	0	3	0	10	0	14
15	25	0	0	14	18	0	0	0	0	10	16	0	15
16	0	14	0	6	12	0	0	0	0	5	12	0	16
17	0	12	0	4	17	0	0	0	9	0	11	0	17
18	3	18	0	2	34	0	0	0	1	0	10	0	18
19	0	59	0	0	2	0	0	0	8	0	37	14	19
20	0	29	0	0	0	0	0	0	0	2	10	37	20
21	0	5	0	0	12	0	0	0	4	12	12	18	21
22	0	0	0	0	1	0	0	0	19	17	35	16	22
23	0	4	0	0	0	0	0	0	4	1	13	0	23
24	0	16	0	0	1	0	0	2	6	13	22	0	24
25	0	4	0	2	12	0	1	0	10	14	12	0	25
26	1	10	0	1	0	0	2	1	2	18	16	10	26
27	0	2	0	0	14	0	35	3	6	20	14	5	27
28	0	5	10	1	3	0	0	0	6	8	0	0	28
29	0		2	0	0	0	7	0	3	2	16	0	29
30	10		0	20	0	0	0	13	22	10	21	0	30
31	15		0		0		0	0		4		0	31
Sum.	82	274	159	113	186	71	84	23	120	296	508	226	

Annual Total (2,144)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	8	2	26	25	0	0	0	0	30			1
2	0	20	2	40	20	1	0	3	0	30			2
3	5	8	13	6	22	0	0	0	0	13			3
4	40	15	3	0	15	1	0	0	0	23			4
5	31	4	5	5	27	3	3	4	5	7			5
6	28	5	0	5	3	2	4	0	0	0			6
7	29	7	0	2	7	2	9	0	13	11			7
8	14	31	5	2	17	0	1	0	12	7			8
9	14	40	0	0	0	0	2	0	4	5			9
10	10	15	0	0	3	0	1	2	0	34			10
11	8	33	16	0	0	0	6	6	0	17			11
12	3	13	28	2	3	5	14	2	0	8			12
13	10	11	10	11	0	11	2	1	0	0			13
14	10	3	0	0	5	4	0	0	0	0			14
15	9	10	0	17	5	1	0	0	0	7			15
16	35	20	4	9	7	2	0	10	2	4			16
17	30	3	20	7	10	0	0	2	1	27			17
18	10	15	14	8	4	0	0	4	0	9			18
19	6	9	12	10	7	9	0	13	0	3			19
20	11	5	8	1	0	3	0	2	1	0			20
21	10	9	12	1	5	5	0	1	9	0			21
22	0	12	5	6	21	0	0	1	0	0			22
23	0	1	16	15	15	0	1	7	0	20			23
24	0	0	7	0	0	1	1	14	0	3			24
25	5	0	10	0	7	0	0	1	0	11			25
26	0	0	10	0	3	1	20	4	0	8			26
27	23	20	26	0	0	0	0	0	0	4			27
28	2	0	39	0	0	9	0	0	0	5			28
29	7		42	0	10	2	0	0	2	35			29
30	0		31	0	0	0	0	0	15	44			30
31	0		90		0		1	0		9			31
Sum.	351	318	430	173	241	62	65	77	64	374			

Annual Total ( )

44.3 100 × 1 × 30

Precipitation STATION Purace

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1961

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	20	0	25	5	0	10	0	10	5	15	2	1
2	5	10	0	23	0	3	8	10	0	7	10	1	2
3	0	2	0	15	0	0	5	0	6	8	10	0	3
4	0	5	0	10	0	5	0	8	10	5	10	0	4
5	0	7	0	15	2	4	5	10	0	10	20	0	5
6	0	10	0	0	3	10	8	12	0	0	50	2	6
7	0	0	0	0	0	0	12	15	5	0	50	10	7
8	0	0	8	2	0	5	10	15	0	6	18	10	8
9	0	0	12	0	2	6	5	10	5	0	10	15	9
10	3	0	0	2	0	8	10	15	5	5	20	12	10
11	0	0	0	0	5	7	8	18	2	30	10	13	11
12	0	3	5	0	5	5	10	10	0	40	15	12	12
13	0	0	10	2	0	6	10	0	6	10	30	0	13
14	0	0	8	0	15	5	15	8	2	10	20	3	14
15	20	0	7	1	0	3	15	10	0	5	20	0	15
16	15	0	9	8	0	8	10	5	5	0	15	0	16
17	5	0	0	0	8	15	15	8	4	5	15	3	17
18	0	0	10	2	6	0	0	10	0	10	30	0	18
19	0	0	20	5	5	0	5	8	2	6	25	2	19
20	0	0	15	15	15	0	0	10	5	0	0	0	20
21	0	0	0	20	5	8	5	5	6	10	0	0	21
22	4	0	5	40	0	10	6	8	5	10	0	0	22
23	0	0	10	25	0	12	5	6	0	13	0	0	23
24	0	0	8	5	0	5	8	10	0	11	0	0	24
25	8	5	5	5	4	14	10	0	8	7	0	2	25
26	17	3	0	10	0	0	10	4	3	0	0	0	26
27	5	0	0	15	2	10	8	5	5	6	0	6	27
28	3	2	0	5	5	8	10	0	4	5	0	5	28
29	10		3	0	0	6	12	0	6	8	0	3	29
30	10		5	0	5	10	14	10	5	15	2	0	30
31	25		2		0			12		40		10	31
Sum.	130	67	142	250	92	173	249	242	109	287	395	111	

Annual Total (2,247)

44.3 100 × 1 × 30

Precipitation STATION Purace

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	10	0	0	6	15	0	0	10	3	25	8	0	1
2	0	0	0	0	18	2	5	8	6	8	18	2	2
3	10	5	0	4	5	5	4	5	0	10	10	3	3
4	5	0	2	0	5	0	6	12	10	5	15	0	4
5	15	0	0	0	10	5	8	7	8	12	10	5	5
6	0	2	8	5	10	2	10	10	4	3	8	4	6
7	0	5	10	4	0	10	5	10	0	0	7	2	7
8	20	10	10	0	0	5	8	8	0	30	12	0	8
9	10	6	8	2	0	10	2	6	0	50	0	5	9
10	10	0	10	5	5	8	0	4	2	30	0	0	10
11	10	5	10	0	8	6	4	5	2	8	2	15	11
12	20	6	0	0	10	10	8	10	0	10	8	20	12
13	5	2	0	0	10	8	10	10	5	0	7	30	13
14	3	1	0	2	20	6	3	40	0	5	10	40	14
15	2	0	3	2	26	5	4	5	1	10	35	45	15
16	0	0	2	0	15	6	5	10	2	3	8	35	16
17	10	2	0	2	0	10	5	10	0	23	12	20	17
18	10	0	2	5	15	0	8	5	5	0	10	15	18
19	20	0	0	0	6	0	10	6	4	5	5	18	19
20	30	3	5	15	5	5	8	1	0	2	15	25	20
21	15	1	18	20	6	3	6	0	2	4	10	30	21
22	20	0	40	20	5	2	0	5	4	2	5	0	22
23	0	0	15	5	8	0	5	5	3	5	6	0	23
24	0	0	15	20	6	0	4	8	0	2	10	0	24
25	0	0	8	10	4	5	6	5	0	0	20	0	25
26	0	0	6	10	10	6	5	6	10	0	10	20	26
27	0	0	2	15	20	8	8	4	0	8	0	25	27
28	0	5	0	20	15	6	5	2	0	10	0	15	28
29	0		2	5	5	0	6	0	10	8	0	2	29
30	0		5	15	0	2	7	0	5	5	0	2	30
31	0		5		0		5	5		8		0	31
Sum.	225	53	186	192	262	135	170	222	86	291	261	378	

Annual Total (2,461)

44.3 100 × 1 × 30

Precipitation STATION Purace

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	0	2	10	10	3	5	0	0	5	5	1
2	20	1	0	30	5	6	0	0	6	0	15	0	2
3	0	10	0	14	8	0	2	20	4	0	15	0	3
4	4	15	0	6	0	0	4	0	4	4	24	5	4
5	0	0	0	10	15	2	0	2	0	3	30	0	5
6	0	10	2	20	15	0	2	4	5	2	30	4	6
7	0	3	0	30	10	0	0	5	4	2	8	0	7
8	0	2	0	10	10	0	5	6	5	5	20	6	8
9	15	0	5	4	10	4	3	5	8	0	20	4	9
10	5	0	10	5	20	10	8	3	10	0	26	0	10
11	1	36	6	20	10	20	6	2	10	6	30	4	11
12	10	24	2	6	15	20	2	4	10	5	20	0	12
13	10	6	0	8	0	30	4	5	8	4	20	5	13
14	30	0	8	10	8	10	0	6	6	16	10	0	14
15	0	0	0	10	5	0	10	5	4	30	0	0	15
16	0	10	0	5	6	2	4	6	7	10	0	0	16
17	24	25	0	5	8	0	0	5	9	0	10	10	17
18	6	15	0	20	5	6	2	4	8	0	0	6	18
19	10	30	4	25	0	2	3	2	5	5	0	0	19
20	10	0	0	5	0	0	0	5	0	0	0	4	20
21	0	10	0	4	0	0	5	4	6	4	6	6	21
22	0	4	0	3	0	0	6	6	0	8	40	6	22
23	0	6	0	0	4	6	4	0	8	0	15	5	23
24	0	2	10	2	5	2	3	3	0	3	8	16	24
25	15	0	5	4	8	4	5	5	8	35	10	10	25
26	6	5	8	0	5	0	5	4	4	0	0	50	26
27	15	10	10	0	20	0	4	0	0	4	0	10	27
28	14	0	0	8	0	5	6	8	2	3	4	10	28
29	33		2	15	0	0	4	6	0	18	2	40	29
30	0		0	10	0	4	5	0	8	8	0	16	30
31	0		0		0		6	0		10		16	31
Sum.	228	224	72	291	202	143	111	130	149	185	388	238	

Annual Total (2,361)

443 100 × 1 × 30

Precipitation STATION Purace

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	0	0	4	10	0	8	10	0	6	15	1
2	0	0	0	12	2	14	4	6	8	3	4	36	2
3	0	0	0	4	0	10	4	6	8	4	20	0	3
4	0	0	0	0	0	18	2	4	4	5	30	4	4
5	0	0	0	4	10	30	0	0	5	6	12	10	5
6	0	0	0	10	10	0	6	5	6	2	8	12	6
7	0	0	2	4	8	4	4	4	1	7	16	9	7
8	0	0	4	60	2	0	6	6	8	3	20	15	8
9	0	0	0	10	8	10	8	8	6	0	0	14	9
10	0	10	0	0	3	20	6	6	6	12	0	12	10
11	0	15	2	5	4	10	8	7	5	5	3	8	11
12	0	10	5	10	2	0	5	8	4	6	0	8	12
13	2	14	4	10	4	6	4	10	6	8	10	8	13
14	0	8	2	8	4	4	6	12	8	10	12	4	14
15	0	7	2	12	3	2	5	6	12	10	10	0	15
16	0	10	4	50	0	0	20	7	14	10	15	0	16
17	0	18	15	6	5	0	4	4	6	10	14	0	17
18	0	0	6	8	6	14	5	8	5	10	0	12	18
19	0	10	0	6	2	10	7	4	8	13	0	10	19
20	0	5	2	2	0	16	0	5	0	10	0	40	20
21	0	0	0	2	0	2	0	8	3	8	8	20	21
22	0	0	5	4	0	0	0	6	6	12	5	20	22
23	0	0	0	0	4	0	0	4	10	8	3	10	23
24	0	0	0	0	8	0	0	8	10	6	8	12	24
25	0	0	0	8	3	5	2	7	8	12	0	13	25
26	0	0	0	6	10	6	4	6	6	14	4	20	26
27	0	0	5	4	5	4	6	4	4	10	5	30	27
28	0	5	0	0	10	5	5	0	10	6	6	20	28
29	0	4	20	6	10	4	8	8	15	5	4	8	29
30	0		10	5	12	0	4	6	10	4	5	10	30
31	0		6		10		0	10		12		15	31
Sum.	10	116	94	256	169	204	133	191	212	241	228	395	

Annual Total (2,239)

443 100 × 1 × 30

Precipitation STATION Puracé

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	7	0	5	4	6	4	8	0	5	26	10	0	1
2	5	3	6	3	4	6	6	0	0	5	8	0	2
3	8	0	8	2	5	4	5	4	4	4	4	0	3
4	0	0	4	0	6	5	4	8	6	0	0	0	4
5	0	0	4	40	0	0	8	10	0	0	6	0	5
6	0	0	2	20	3	6	10	0	0	0	20	0	6
7	16	0	3	20	8	0	10	5	2	0	20	30	7
8	18	0	2	20	10	8	0	6	4	0	30	20	8
9	10	0	5	10	30	6	2	4	0	2	10	90	9
10	18	0	0	8	10	5	4	0	3	0	8	20	10
11	4	0	0	18	30	4	10	8	4	6	6	10	11
12	0	0	3	0	20	5	8	6	5	4	6	28	12
13	10	0	2	10	15	6	5	5	0	28	10	4	13
14	4	0	0	20	10	7	6	4	0	8	15	2	14
15	2	0	2	20	8	8	8	6	15	16	25	0	15
16	8	0	3	20	6	6	6	0	2	20	50	5	16
17	5	0	0	5	4	5	8	5	2	40	20	6	17
18	0	0	0	5	6	4	8	6	0	18	8	4	18
19	10	10	8	10	8	6	6	8	0	18	50	0	19
20	20	0	2	2	4	3	20	0	4	8	20	4	20
21	0	0	1	4	6	6	10	4	5	16	25	0	21
22	8	0	2	3	5	8	8	6	3	55	20	0	22
23	0	0	3	4	4	6	6	0	5	0	30	0	23
24	0	0	0	3	6	4	5	4	6	0	36	0	24
25	10	0	0	2	6	10	6	6	0	0	10	30	25
26	12	0	2	4	3	8	2	2	4	14	20	8	26
27	13	0	0	14	2	5	6	3	3	16	10	6	27
28	15	0	2	8	4	4	5	5	8	10	20	8	28
29	16		10	10	4	6	6	6	20	20	10	6	29
30	8		5	4	5	0	9	0	30	30	8	0	30
31	4		10		4		4	0		6		6	31
Sum.	231	13	94	293	242	155	210	121	140	370	515	287	

Annual Total (2,671)

44.3 100 × 1 × 30

Precipitation STATION Coconuco

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	7	0	0	8	9	2	5	0	2	2	15	0	1
2	3	0	0	4	18	8	0	3	4	5	8	14	2
3	0	9	0	15	3	0	9	0	8	8	5	58	3
4	0	0	0	1	25	5	2	0	0	3	16	18	4
5	0	3	41	3	14	0	1	0	0	28	9	43	5
6	0	10	28	18	0	4	0	0	0	2	21	81	6
7	0	13	0	0	0	0	0	0	0	1	16	35	7
8	0	12	2	13	3	5	2	0	3	10	19	49	8
9	9	0	15	10	18	0	3	0	5	5	29	78	9
10	0	0	25	0	0	9	5	0	3	3	8	89	10
11	0	7	82	5	1	0	3	2	0	21	15	45	11
12	0	0	7	0	0	3	0	1	0	42	19	75	12
13	0	11	18	0	8	0	45	3	2	2	25	105	13
14	0	0	0	0	5	7	13	3	25	8	45	95	14
15	0	0	0	3	18	0	0	9	15	1	29	74	15
16	0	0	0	0	8	0	0	0	0	0	8	15	16
17	0	0	0	0	3	17	0	0	15	9	13	53	17
18	7	0	0	4	5	3	0	0	3	6	19	58	18
19	0	0	0	3	2	0	0	0	0	1	53	19	19
20	0	0	3	0	0	5	0	8	0	0	14	49	20
21	0	0	7	0	0	8	0	3	3	49	28	117	21
22	0	0	9	3	0	0	3	1	1	0	1	99	22
23	0	0	5	9	2	2	0	3	5	8	15	82	23
24	0	0	0	15	1	9	2	0	0	0	82	2	24
25	0	0	15	35	0	0	0	0	8	0	3	0	25
26	0	0	9	19	5	5	0	0	0	0	2	0	26
27	0	3	2	0	3	0	0	0	2	3	49	3	27
28	26	0	0	0	0	0	0	0	0	0	15	0	28
29	0		5	0	1	5	0	0	0	0	59	1	29
30	0		3	0	0	1	0	0	8	0	85	0	30
31	0		0		0		0	1		0		0	31
Sum.	52	68	276	168	152	98	93	37	112	217	725	1,357	

Annual Total (3,355)

44.3 100 × 1 × 30

Precipitation STATION Purace

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	4	0	4	0	12	8	8	8	10	8	18	0	1
2	0	6	0	6	8	10	10	10	12	20	8	0	2
3	0	10	0	0	20	12	6	9	10	5	10	5	3
4	0	30	0	0	0	20	10	8	0	0	30	0	4
5	0	10	0	0	0	8	9	10	8	6	7	0	5
6	6	8	0	0	4	10	8	0	6	0	0	0	6
7	5	12	0	0	8	8	6	4	0	8	6	0	7
8	4	10	0	0	0	10	4	6	0	10	18	0	8
9	0	20	0	0	0	4	9	10	8	40	24	0	9
10	0	8	4	6	8	0	5	12	10	8	10	0	10
11	0	4	10	8	9	0	6	8	0	9	8	4	11
12	5	10	2	8	10	4	4	10	8	10	12	5	12
13	10	0	38	6	10	8	8	9	0	4	50	0	13
14	8	0	16	8	22	10	10	0	6	6	0	0	14
15	5	0	36	0	12	6	5	0	8	0	12	5	15
16	6	16	48	20	4	0	6	10	9	5	9	0	16
17	2	0	20	36	18	10	0	12	10	4	18	6	17
18	8	0	10	16	6	0	10	10	8	0	40	0	18
19	0	0	8	0	16	0	40	6	6	5	60	0	19
20	0	0	0	0	0	8	0	14	12	10	60	0	20
21	0	0	0	0	0	10	10	0	10	8	50	8	21
22	0	0	0	18	4	8	0	4	8	10	12	10	22
23	0	10	23	10	5	6	8	10	6	0	16	12	23
24	0	6	24	20	8	8	9	8	0	18	20	14	24
25	0	0	0	10	10	4	9	12	0	20	40	20	25
26	10	0	15	10	4	10	10	10	10	10	24	0	26
27	8	0	18	14	5	9	10	10	6	12	30	15	27
28	0	0	80	6	8	6	18	12	8	40	22	8	28
29	6		24	0	5	0	12	8	10	4	0	4	29
30	14		0	0	8	8	8	15	12	25	4	6	30
31	20		4		10		10	12		15		0	31
Sum.	121	160	384	202	234	205	268	257	201	320	618	122	

Annual Total (3,092)

44.3 100 × 1 × 30

Precipitation STATION Purace

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	10	0	5	4	0	10	16	4	0	12	1
2	0	16	8	2	4	8	4	10	30	0	0	10	2
3	0	30	10	6	6	6	6	8	0	5	0	12	3
4	4	34	0	4	0	10	5	10	8	0	4	10	4
5	0	8	0	5	4	44	6	6	4	4	3	8	5
6	0	0	0	8	7	8	8	8	5	0	0	6	6
7	5	0	6	6	0	6	10	10	3	6	8	0	7
8	8	0	14	5	20	5	10	8	4	8	10	0	8
9	6	0	0	17	10	0	12	6	0	30	8	0	9
10	4	0	8	90	8	0	16	5	0	10	10	0	10
11	0	0	4	30	8	4	10	0	4	20	10	0	11
12	0	0	0	20	12	5	8	6	3	8	25	0	12
13	8	0	8	30	7	0	6	9	12	4	20	0	13
14	8	0	10	20	9	8	10	10	10	18	24	0	14
15	0	0	20	25	22	5	8	8	0	10	16	0	15
16	0	0	10	0	10	0	10	6	0	5	14	0	16
17	0	8	20	30	8	10	9	9	5	18	8	0	17
18	3	0	5	6	7	0	8	8	16	10	30	0	18
19	0	48	0	0	6	8	10	6	10	20	20	0	19
20	4	18	0	8	0	0	0	8	0	0	10	5	20
21	0	20	5	0	0	6	0	0	0	5	12	10	21
22	4	18	0	10	4	10	4	10	0	6	40	12	22
23	0	20	8	20	6	8	8	9	4	8	20	18	23
24	10	10	8	20	5	7	9	10	6	0	8	16	24
25	2	8	0	0	0	10	10	8	0	10	24	8	25
26	0	0	0	0	6	7	14	9	4	12	10	0	26
27	0	20	4	0	0	0	5	10	10	20	14	7	27
28	4	8	9	6	0	4	8	10	30	40	26	3	28
29	40	0	0	14	10	6	10	10	20	12	20	0	29
30	12		0	4	8	0	6	0	0	10	10	0	30
31	24		8		10		4	28		0		0	31
Sum.	146	266	175	386	202	189	234	255	200	303	404	137	

Annual Total (2,897)

44.3 100 × 1 × 30

Precipitation STATION Puracé

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	0	0	4	30	0	10	0	0	8	8	0	1
2	0	0	12	0	50	8	8	0	0	12	0	0	2
3	0	0	0	0	12	40	9	4	0	7	0	0	3
4	0	0	0	4	10	8	6	0	0	40	14	10	4
5	0	0	0	5	0	10	6	5	0	10	30	4	5
6	0	0	0	18	0	0	7	2	0	12	50	0	6
7	0	18	0	0	0	4	12	10	8	18	40	16	7
8	0	0	0	4	4	6	13	15	0	10	20	18	8
9	0	0	0	10	8	8	8	0	0	8	9	10	9
10	5	8	0	8	0	7	0	4	9	0	20	0	10
11	7	6	4	20	0	5	6	0	10	20	0	90	11
12	12	16	5	34	0	4	8	6	6	6	0	12	12
13	8	0	4	16	4	0	10	8	8	24	0	0	13
14	3	10	0	28	0	6	12	10	5	40	36	8	14
15	10	12	0	22	0	0	10	8	6	30	5	0	15
16	6	16	8	20	6	0	9	0	0	20	20	0	16
17	7	0	0	18	0	0	13	4	0	0	10	8	17
18	8	0	0	10	0	0	0	0	8	0	12	4	18
19	12	0	0	17	10	0	0	0	15	0	0	0	19
20	5	0	0	0	0	8	0	0	0	4	0	0	20
21	40	0	0	20	6	0	10	5	7	20	14	8	21
22	8	0	0	8	8	0	14	0	8	60	8	3	22
23	20	0	0	12	6	0	8	8	6	50	14	8	23
24	10	14	0	10	0	10	10	0	10	15	0	0	24
25	8	5	0	30	0	12	14	5	20	18	0	0	25
26	5	0	4	8	0	13	0	8	12	6	8	0	26
27	4	4	0	0	5	8	0	0	14	8	5	10	27
28	0	0	10	0	0	9	8	0	30	9	0	20	28
29	0		4	0	8	10	12	10	30	0	0	0	29
30	0		0	8	7	12	10	0	18	14	0	0	30
31	8		15		0		0	0		6		0	31
Sum.	186	109	66	334	174	188	233	112	230	475	323	229	

Annual Total (2,659)

443 100 × 1 × 30

Precipitation STATION Puracé

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0	12	20	0	8	7	0	0	0	50	15	0	1
2	0	18	80	0	0	0	0	0	5	40	30	0	2
3	0	14	0	0	0	0	0	0	2	12	38	0	3
4	0	20	8	0	0	10	0	0	0	6	40	2	4
5	0	6	0	2	28	0	0	5	0	5	8	1	5
6	0	10	6	4	0	5	5	1	0	30	20	0	6
7	0	0	0	6	12	0	1	3	3	30	30	0	7
8	0	8	0	5	2	0	0	2	4	13	40	6	8
9	0	6	0	4	0	0	0	2	5	10	20	20	9
10	0	0	0	8	0	0	4	0	0	0	0	0	10
11	8	2	12	6	0	0	5	0	1	0	10	0	11
12	26	0	4	5	8	0	0	2	0	0	10	0	12
13	20	0	6	30	7	6	0	4	0	0	5	10	13
14	18	0	3	14	10	0	0	8	0	0	20	10	14
15	3	0	0	30	10	0	0	0	0	0	15	0	15
16	0	0	0	0	8	2	5	0	0	0	10	0	16
17	20	28	0	0	6	2	0	0	0	0	15	0	17
18	8	4	0	0	20	0	10	0	0	0	10	0	18
19	20	70	0	0	0	0	0	0	0	0	15	30	19
20	12	10	0	0	0	0	0	0	8	10	40	45	20
21	8	0	0	0	0	0	0	0	7	0	10	25	21
22	0	0	0	0	0	2	0	0	0	15	15	20	22
23	0	10	4	0	0	0	0	0	0	10	14	2	23
24	15	12	0	0	3	0	0	0	0	15	10	0	24
25	0	18	6	0	4	0	0	8	0	30	5	0	25
26	0	22	8	0	14	0	6	0	4	8	10	0	26
27	0	10	0	0	18	0	0	6	30	10	18	10	27
28	0	13	0	6	5	0	8	10	0	80	12	0	28
29	0		8	4	0	3	4	4	20	19	10	0	29
30	0		0	7	2	5	5	0	18	0	0	0	30
31	10		0		0		0	5		18		0	31
Sum.	168	293	165	131	203	42	53	63	106	411	495	181	

Annual Total (2,311)

443 100 × 1 × 30

Precipitation STATION Puracé

CAUCA RIVER, IN THE BASIN OF ELEVATION UNIT mm YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	0		7	15	8	0	0	0	0	0			1
2	0		15	50	0	0	0	0	0	10			2
3	0		12	17	0	0	0	10	0	18			3
4	31		3	0	5	0	0	0	0	10			4
5	18		2	3	45	0	0	0	0	10			5
6	27		0	0	3	10	0	0	0	0			6
7	25		0	2	2	0	5	5	38	0			7
8	17		0	0	5	0	0	2	10	12			8
9	10		0	0	0	0	10	0	0	0			9
10	5		0	12	3	0	0	0	5	18			10
11	3		3	0	8	0	0	0	0	5			11
12	8		0	0	0	10	0	0	0	0			12
13	6		0	0	0	3	0	0	0	3			13
14	2		2	0	14	0	0	0	0	0			14
15	0		0	28	15	0	4	0	0	0			15
16	10		4	25	3	10	0	3	0	0			16
17	20		2	25	18	0	0	0	0	11			17
18	33		13	10	15	5	0	0	0	38			18
19	17		2	0	10	0	0	0	0	10			19
20	25		5	12	0	0	0	0	0	0			20
21	15		0	5	0	0	0	0	8	8			21
22	5		0	30	2	0	0	0	3	5			22
23	0		8	3	40	0	0	10	0	18			23
24	5		5	0	0	0	0	0	0	20			24
25	0		20	0	8	0	0	0	0	22			25
26	0		6	0	3	0	0	10	0	10			26
27	0		4	8	0	1	0	8	0	7			27
28	0		42	25	0	0	0	0	0	2			28
29	0		20	0	0	0	0	4	4	0			29
30	0		20	0	0	5	0	3	0	28			30
31	0		35		0		0	0		15			31
Sum.	282		230	270	207	44	19	55	68	280			

Annual Total ( )

44.3 100 × 1 × 30

III – 6. HOURLY PRECIPITATION

Gauging Station	Elevation (m)	Recording Period
Florida		Jan. 1961 – Dec. 1968

Precipitation STATION Florida YEAR 1961

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT. MAX 10 MIN. mm/MIN
Enero	149.1	22	35	9	44	145.3	3.8	33:35	4:30	38:05	25.7	2:40	0.16	6.1	1.2	2:40	25.7	0.16	6.1	1.2		
Febrero	120.3	11	16	4	20	90.8	29.5	19:40	6:25	10:05	21.5	2:50	0.13	8.0	1.6	2:50	21.5	0.13	8.0	1.6		
Marzo	145.1	19	37	19	56	85.6	59.5	33:35	17:35	51:10	30.5	5:30	0.09	4.0	0.8	6:30	5.1	0.01	0.5	0.1		
Abril	164.3	17	41	25	66	108.5	55.8	61:40	30:25	92:05	19.6	4:50	0.07	3.0	0.6	8:20	8.5	0.02	0.5	0.1		
Mayo	70.7	13	22	5	27	68.6	2.1	16:15	3:00	19:15	31.1	1:35	0.33	8.0	1.6	8:25	5.7	0.04	1.0	0.2		
Junio	75.7	14	25	7	32	68.4	7.3	24:20	7:00	31:70	16.5	2:50	0.10	5.0	1.0	3:25	4.0	0.02	0.3	0.1		
Julio	65.2	14	22	4	26	60.9	4.3	15:05	4:30	19:35	34.2	1:50	0.31	9.0	1.8	2:05	4.1	0.03	0.9	0.2		
Agosto	5.5	6	9	2	11	5.3	0.2	4:50	50	5:40	3.2	55	0.06	1.4	0.3	55	3.2	0.06	1.4	0.3		
Septiembre	34.1	16	18	7	25	22.4	11.7	14:10	7:05	21:15	8.2	2:55	0.05	3.5	0.2	2:55	8.2	0.05	1.0	0.2		
Octubre	189.4	22	41	17	58	111.7	77.7	42:15	31:50	74:05	38.4	6:40	0.10	9.5	0.6	6:40	38.4	0.10	3.0	0.6		
Noviembre	180.6	28	51	32	83	126.1	154.5	61:00	57:25	118:25	31.0	5:55	0.09	5.0	0.6	8:30	19.5	0.04	0.7	0.1		
Diciembre	226.7	23	38	7	45	209.2	17.4	42:40	12:10	54:50	46.4	1:55	0.40	13.0	2.0	4:40	46.1	0.16	6.5	1.3		
TOTALES	1,426.7	205	355	138	493	1,102.8	423.9	369:05	182:45	551:50	306.3	40:25				51.55	190.0					

Precipitation STATION Florida YEAR 1962

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT. MAX 10 MIN. mm/MIN
Enero	213.8	23	31	14	45	168.0	45.8	35:30	18:35	54:05	25.5	1:50	0.23	7.0	1.4	5:40	7.6	0.02	0.8	0.2	8.8	9.7
Febrero	141.0	18	22	14	36	128.3	12.7	25:20	10:05	35:25	25.4	1:45	0.24	6.0	1.2	2:55	11.3	0.06	2.0	0.2	6.0	10.0
Marzo	169.5	24	50	21	71	133.9	35.6	50:55	31:05	82:00	22.3	3:45	0.10	3.0	0.6	7:10	5.5	0.01	0.2	0.0	4.0	8.0
Abril	164.3	19	34	11	45	151.1	13.2	41:45	9:15	51:00	30.8	3:10	0.16	5.0	1.0	4:00	30.5	0.12	5.5	1.1	6.5	12.5
Mayo	132.9	22	44	13	57	121.0	11.9	46:20	9:40	56:00	17.6	2:30	0.12	9.0	1.8	3:10	16.7	0.08	4.0	0.8	9.0	11.0
Junio	118.7	23	54	15	69	109.9	8.8	40:25	13:35	54:00	26.6	2:45	0.16	9.0	1.8	2:45	26.6	0.16	9.0	1.8	9.0	15.0
Julio	24.3	9	13	2	15	23.0	1.3	8:20	1:35	9:55	13.1	1:55	0.11	2.0	0.4	1:55	13.1	0.11	2.0	0.4	2.0	3.5
Agosto	61.3	10	13	8	21	42.8	18.5	11:10	10:10	21:20	17.7	1:20	0.22	3.0	0.6	2:20	7.9	0.05	1.0	0.2	3.0	5.3
Septiembre	96.2	12	13	8	21	74.9	21.3	11:00	8:55	19:55	28.3	1:40	0.28	7.0	1.4	3:50	16.6	0.07	1.5	0.3	7.0	9.8
Octubre	179.7	23	35	20	55	136.3	43.4	40:30	21:25	61:55	39.6	3:25	0.19	9.5	1.5	5:50	29.4	0.08	5.0	1.0	9.5	19.0
Noviembre	243.0	29	40	19	59	113.3	129.7	47:10	41:00	88:10	40.0	6:45	0.09	6.2	1.2	7:50	32.3	0.06	1.5	0.3	6.2	11.2
Diciembre	272.5	20	43	28	71	205.9	66.6	71:25	37:55	109:20	27.5	5:25	0.08	4.5	0.9	7:30	9.6	0.02	1.0	0.2	5.0	9.0
TOTALES	1,817.2	232	392	173	565	1,408.4	408.8	294:50	213:25	643:05	304.4	36:15				54:45	207.1					

Precipitation STATION Florida YEAR 1,963

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT. MAX 10 MIN. mm/MIN
Enero	160.5	22	26	15	41	94.5	66.0	34:10	19:15	53:25	23.9	1:20	0.29	4.4	0.9	4:55	5.1	0.01	0.6	0.1	6.0	9.0
Febrero	283.5	26	40	16	56	210.4	73.1	62:20	27:25	89:45	41.0	5:10	0.13	4.5	0.9	7:35	30.0	0.06	2.5	0.5	7.8	13.9
Marzo	124.8	21	32	11	43	87.6	37.2	32:20	14:25	46:45	33.7	9:30	0.05	3.8	0.7	9:30	33.7	0.05	3.8	0.7	6.0	10.0
Abril	339.7	25	38	20	58	192.2	147.5	51:25	34:50	86:15	40.2	5:25	0.12	9.9	0.6	5:25	40.2	0.12	3.0	0.6	9.9	12.9
Mayo	78.5	18	29	11	40	70.3	8.2	35:55	15:55	51:50	10.2	2:20	0.07	4.0	0.6	3:45	5.6	0.02	0.4	0.1	4.0	4.6
Junio	100.3	12	24	11	35	62.7	37.6	27:05	17:40	44:45	40.9	8:50	0.07	1.8	0.3	8:50	40.9	0.07	1.8	0.4	1.8	3.3
Julio	32.1	12	14	12	26	20.7	11.4	8:05	9:00	17:05	8.1	3:45	0.03	3.3	0.2	3:45	8.1	0.03	1.0	0.2	3.3	5.2
Agosto	16.2	9	13	3	16	15.5	0.7	10:10	1:10	11:20	6.0	3:40	0.02	1.3	0.3	3:40	6.0	0.02	1.3	0.3	1.3	2.2
Septiembre	63.3	12	16	2	18	54.2	9.1	12:25	2:10	14:35	16.2	0:55	0.29	4.0	0.8	1:40	8.9	0.08	1.3	0.3	4.0	6.6
Octubre	167.2	18	17	13	30	84.5	82.7	22:40	27:10	49:50	41.1	7:10	0.09	6.5	1.3	8:25	17.9	0.03	1.0	0.2	6.5	10.0
Noviembre	326.0	29	50	32	82	220.2	105.8	72:15	50:40	122:55	37.9	1:10	0.54	10.5	2.1	11:00	26.8	0.04	1.7	0.3	10.5	14.5
Diciembre	183.4	21	38	10	48	164.1	19.3	42:10	14:45	56:55	25.3	2:50	0.14	4.0	0.8	5:20	7.7	0.02	0.7	0.1	7.0	7.7
TOTALES	1,875.5	225	337	156	493	1,276.9	598.6	411:00	234:25	645:25	324.5	42:05				73:50	230.9					

Precipitation STATION Florida YEAR 1,964

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT. MAX 10 MIN. mm/MIN
Enero	72.2	11	14	1	15	71.2	1.0	17:05	1:05	18:10	18.2	5:30	0.01	3.9	4.8	5:30	18.2	0.01	3.9	0.8	3.9	5.4
Febrero	88.3	15	23	10	33	59.1	29.2	27:15	14:05	41:10	19.0	5:20	0.01	1.0	0.2	5:20	19.0	0.01	1.0	0.2	7.0	5.0
Marzo	51.1	7	6	6	12	22.1	29.0	5:50	8:15	14:05	26.8	4:05	0.01	4.0	0.8	4:05	26.8	0.10	4.0	0.8	4.0	7.1
Abril	199.1	24	44	21	65	138.6	60.5	64:05	28:55	93:00	39.9	14:40	0.01	2.1	0.4	14:40	39.9	0.01	2.1	0.4	3.9	6.6
Mayo	126.5	17	30	8	38	98.1	28.4	28:10	7:55	36:05	39.5	2:30	0.26	6.5	1.3	2:50	4.7	0.01	0.5	0.1	6.5	11.0
Junio	176.7	25	53	14	67	132.0	44.7	39:35	15:50	55:25	35.9	2:40	0.22	7.3	1.4	3:30	18.7	0.08	1.3	0.2	9.5	15.7
Julio	68.2	19	29	4	33	65.8	2.4	14:55	3:40	18:35	13.2	0:35	0.30	8.5	1.7	1:35	1.1	0.01	0.2	0.0	8.5	11.0
Agosto	43.4	14	31	3	34	42.9	0.5	19:35	1:25	21:00	11.0	2:30	0.01	1.0	0.2	2:30	11.0	0.01	1.0	0.2	1.0	2.0
Septiembre	53.9	15	24	7	31	50.2	3.7	13:35	5:10	18:45	13.3	1:00	0.21	5.0	1.0	1:55	2.0	0.01	0.3	0.1	5.0	7.0
Octubre	149.6	23	44	13	57	107.4	47.2	43:40	13:45	57:25	20.0	3:45	0.01	3.0	0.6	8:20	10.0	0.02	0.8	0.2	7.0	12.5
Noviembre	241.4	24	42	13	55	223.3	18.1	70:30	9:25	79:55	23.1	2:10	0.17	7.0	1.4	5:20	22.0	0.06	2.0	0.4	7.0	9.0
Diciembre	286.3	26	50	28	78	233.5	52.8	62:05	32:20	94:25	38.6	3:30	0.18	5.0	1.0	8:10	21.4	0.04	1.0	0.2	6.0	9.5
TOTALES	1,556.7	220	390	128	518	1,239.2	317.5	406:10	150:50	557:00	298.5	48:15				63:45	194.8					

Precipitation STATION Florida YEAR 1965

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT. MAX 10 MIN. mm/MIN
Enero	157.1	24	30	18	48	107.7	47.4	31:55	20:35	52:30	23.7	1:55	0.21	7.0	1.4	5:30	11.2	0.03	0.6	0.1	7.0	9.5
Febrero	33.7	12	12	10	13	32.3	1.4	13:45	1:45	15:30	12.3	1:15	0.16	5.0	1.0	2:85	3.9	0.03	0.6	0.1	5.0	0.5
Marzo	72.7	19	23	8	31	65.9	6.8	15:40	8:30	24:10	21.6	0:55	0.39	7.0	1.4	3:10	3.6	0.02	0.4	0.1	7.0	10.1
Abril	147.2	27	42	27	69	100.8	46.4	43:50	30:40	74:30	18.7	1:50	0.17	6.1	1.2	5:35	7.9	0.02	0.9	0.2	0.1	9.1
Mayo	70.9	17	27	5	32	65.3	5.6	24:55	7:25	32:20	30.4	3:00	0.17	3.2	0.6	3:25	5.5	0.03	0.4	0.1	6.0	9.0
Junio	1.2	3	3	0	3	1.2	0.0	1:25	0:00	1:25	0.7	0:20	0.04	0.5	0.1	0:40	0.3	0.01	0.2	0.0	0.5	0.6
Julio	6.7	3	1	3	4	0.3	6.4	0:15	4:20	4:35	6.1	3:35	0.03	0.7	0.1	3:35	6.1	0.03	0.7	0.1	0.7	1.0
Agosto	25.7	4	6	4	10	20.9	4.8	7:15	5:45	13:00	12.0	1:35	0.13	4.7	0.9	3:40	2.5	0.01	0.2	0.0	4.7	6.7
Septiembre	154.7	14	22	3	25	122.5	32.2	19:30	4:35	24:05	29.7	2:35	0.19	7.5	1.5	3:00	27.4	0.15	4.2	0.8	8.4	10.5
Octubre	289.1	23	28	18	46	215.9	73.2	45:20	20:15	65:35	40.9	1:10	0.58	10.2	2.0	6:35	16.9	0.04	3.0	0.6	10.2	10.4
Noviembre	310.8	28	58	29	87	207.9	102.9	65:20	37:15	102:35	47.9	2:55	0.27	6.0	1.2	9:30	24.2	0.04	1.5	0.3	6.0	10.2
Diciembre	214.6	20	34	27	61	124.3	90.3	32:40	38:35	71:15	35.2	2:30	0.23	9.6	1.9	9:05	27.3	0.05	1.5	0.3	9.6	11.6
TOTALES	1,484.4	194	286	143	429	1,068.0	419.4	301:50	179:40	481:30	279.2	23:35				56:10	136.8					

Precipitation STATION Florida YEAR 1966

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT. MAX 10 MIN. mm/MIN
Enero	10.2	8	10	2	12	10.0	0.2	7:05	0:30	7:35	2.8	0:40	0.07	1.0	0.1	2:00	1.8	0.02	0.7	0.1	1.0	1.8
Febrero	94.4	11	22	10	32	49.8	44.6	19:25	11:40	31:05	38.1	4:10	0.15	4.0	0.8	4:10	38.1	0.15	4.0	0.8	4.0	7.5
Marzo	112.7	16	18	6	24	101.5	11.2	35:10	5:45	40:55	49.4	13:30	0.06	2.5	0.5	13:30	49.4	0.06	2.6	0.5	7.1	7.9
Abril	130.0	15	18	11	29	67.6	62.4	26:50	18:55	45:45	31.6	3:45	0.14	4.1	0.8	6:45	16.8	0.04	2.0	0.4	4.1	6.3
Mayo	219.7	22	38	12	50	134.0	85.7	34:50	16:50	51:40	46.9	4:00	0.20	7.2	1.4	4:50	23.8	0.08	5.1	1.0	7.2	8.8
Junio	155.8	19	29	11	40	133.7	22.1	33:30	13:00	46:30	44.2	2:10	0.34	9.7	1.9	3:50	3.5	0.02	0.3	0.1	9.7	17.9
Julio	27.1	14	16	8	24	23.0	4.1	12:30	6:05	18:25	4.8	0:45	0.11	1.6	0.3	2:15	1.7	0.01	0.1	-	1.6	2.8
Agosto	70.3	13	21	8	29	48.3	22.0	12:00	9:45	21:45	16.5	0:45	0.37	6.2	1.2	2:20	7.9	0.06	1.5	0.3	6.2	10.3
Septiembre	(25.8)	(8)	(16)	(-)	(16)	(25.8)	(0.0)	7:45	(00:00)	(7:45)	(8.1)	(0:55)	(0.15)	(3.5)	(0.7)	(1:05)	(2.7)	0.04	(1.4)	(0.3)	(3.5)	(4.0)
Octubre	343.0	27	38	22	60	274.2	68.8	42:00	27:05	69:05	90.2	3:10	0.47	10.2	2.0	4:00	56.1	0.23	5.0	1.0	10.2	18.4
Noviembre	403.2	29	45	39	84	230.7	172.5	51:20	53:00	104:20	44.5	1:50	0.40	9.2	1.8	6:35	9.6	0.02	0.5	0.1	9.2	15.2
Diciembre	408.4	27	51	35	86	207.8	200.6	56:20	61:40	118:00	31.4	6:55	0.08	9.3	1.8	6:55	31.4	0.08	9.3	1.0	13.0	15.3
TOTALES	2,000.6	209	322	164	486	1,306.4	694.2	338:35	224:15	562:50	408.5	42:35				58:15	242.8					

Precipitation STATION Florida YEAR 1967

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT.MAX 5 MIN. mm/MIN.	INT.MAX 10 MIN. mm/MIN
Enero	125.4	17	23	1	24	111.0	14.4	18:45	2:50	21:35	34.0	1:35	0.36	17.5	3.5	3:05	18.8	0.10	2.0	0.4	17.5	21.6
Febrero	175.4	20	39	12	51	151.3	24.1	40:05	11:35	51:40	31.3	1:35	0.33	9.5	1.9	3:45	6.7	0.03	0.5	0.1	9.5	17.0
Marzo	231.2	20	22	14	36	151.7	79.5	23:48	23:40	47:20	53.2	2:35	0.34	10.2	2.0	6:50	16.5	0.04	0.8	0.2	10.2	17.2
Abril	161.3	16	22	9	31	97.0	70.3	29:10	13:45	42:55	49.9	2:35	0.32	10.5	2.1	5:00	6.6	0.02	0.5	0.1	10.2	16.0
Mayo	94.2	21	39	13	52	57.5	36.7	27:20	16:00	43:70	19.4	3:25	0.09	4.0	0.8	3:55	8.8	0.04	0.5	0.1	6.5	7.5
Junio	77.0	15	25	6	31	60.5	16.5	22:55	14:10	37:05	12.9	3:20	0.06	1.5	0.3	9:40	12.5	0.02	1.0	0.2	4.5	7.0
Julio	47.9	13	19	3	22	45.9	2.0	10:50	2:35	13:25	22.4	0:45	0.50	7.0	1.4	2:05	1.8	0.01	0.6	0.1	7.0	13.3
Agosto	5.8	7	8	2	10	5.4	0.4	4:00	55	4:55	1.9	0:20	0.10	0.9	0.2	1:10	1.9	0.03	0.5	0.1	0.9	1.7
Septiembre	76.9	12	14	6	20	54.8	22.1	10:45	9:35	20:20	20.2	7:40	0.04	1.0	0.2	7:40	20.2	0.04	1.0	0.2	9.0	12.0
Octubre	222.3	20	36	19	55	126.1	96.2	38:50	31:15	70:05	34.4	5:40	0.10	7.5	1.5	6:05	11.2	0.03	1.0	0.2	7.6	9.6
Noviembre	466.0	25	41	28	69	336.4	129.6	72:00	43:20	115:20	79.4	8:50	0.15	10.3	2.1	9:20	27.2	0.05	2.5	0.5	10.3	14.5
Diciembre	205.6	19	35	25	60	120.8	84.8	29:50	20:05	49:55	49.2	1:50	0.45	11.0	2.2	3:25	29.3	0.14	5.5	1.1	11.0	19.5
TOTALES	1,889.0	205	323	138	461	1,312.4	576.6	328:10	189:45	517:55	408.2	40:10				62:00	161.5					

Precipitation STATION Florida YEAR 1968

MESES	TOTAL mm.	TOTAL DIAS	No. PRECIPITACIONES DIA	NOCHE	TOTAL	CANTIDAD TOTAL DIA mm.	TOTAL NOCHE mm.	DURACION DIA H. MIN.	NOCHE N. MIN.	TOTAL H. MIN.	PRECIPITACION MAXIMA mm.	DURACION H. MIN.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	DURACION MAXIMA H. MIN.	mm.	INT. MED mm/MIN	INT.MAX 5 MIN. mm/MIN	INT. MAX 1 MIN. mm/MIN	PRECIP. MENSUAL INT. MAX 5 MIN. mm/MIN.	INT.MAX 10 MIN. mm/MIN
Enero	255.0	15	21	15	36	160.3	94.7	24:40	25:55	50:35	45.5	1:45	0.43	7.0	2.0	6:20	31.6	0.08	2.0	0.4	7.0	8.5
Febrero	152.2	17	38	11	49	87.5	64.7	34:25	23:50	58:15	21.2	4:10	0.08	2.5	0.5	6:00	14.3	0.04	0.9	0.2	4.0	5.0
Marzo	131.7	15	30	21	51	68.8	63.5	24:00	22:40	46:40	22.8	4:25	0.09	2.5	0.5	4:25	22.8	0.09	2.5	0.5	3.1	5.1
Abril	307.9	22	35	12	47	208.8	99.1	42:00	41:40	83:40	33.3	0:50	0.67	7.5	1.5	12:10	23.9	0.03	1.5	0.3	10.2	11.5
Mayo	111.9	20	26	11	37	66.4	45.5	17:00	13:40	30:40	34.0	1:30	0.38	7.0	1.4	5:05	5.7	0.02	0.5	0.1	7.0	11.0
Junio	134.2	21	29	14	43	104.0	30.2	26:10	19:15	45:25	40.3	19:45	0.03	4.2	0.8	19:45	40.3	0.03	4.2	0.8	6.0	8.0
Julio	41.9	11	16	11	17	40.8	1.1	11:00	55	11:55	11.4	1:35	0.12	3.0	0.6	1:35	11.4	0.12	3.0	0.6	3.0	4.8
Agosto	38.8	10	13	6	19	13.8	25.0	6:55	10:35	17:30	16.5	4:15	0.06	2.0	0.4	5:10	7.9	0.02	0.5	0.1	2.5	3.0
Septiembre	118.3	18	27	5	32	106.6	11.7	23:40	5:00	28:40	35.4	1:10	0.50	10.2	2.0	3:35	3.9	0.02	0.3	0.1	10.2	14.4
Octubre	303.5	24	43	22	65	194.2	109.3	51:55	43:20	95:15	45.0	4:25	0.17	3.7	0.7	6:40	13.9	0.03	2.0	0.4	10.1	14.2
Noviembre	262.4	24	36	30	66	166.5	95.9	53:20	43:05	96:25	30.4	2:55	0.17	6.0	1.2	6:40	27.4	0.07	3.0	0.6	6.0	10.0
Diciembre	200.2	19	25	6	31	162.4	37.8	31:50	8:20	40:10	46.0	4:05	0.09	6.0	1.2	4:40	29.1	0.10	3.1	0.6	6.0	10.0
TOTALES	2,058.0	216	339	154	493	1,379.5	678.5	346:55	258:15	605:10	381.8	50:50				82:05	232.2					

III – 7. DAILY TEMPERATURE

Gauging Station	Elevation (m)	Recording Period
(1) Popayan	1,730	Jan. 1961 – Dec. 1971

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	22.5	22.5	22.5	21.5	21.5	25.5	24.0	25.0	25.0	22.0	23.3	21.0	1
2	22.0	22.0	23.0	20.0	20.3	23.0	23.0	24.0	28.5	22.5	23.0	24.0	2
3	23.0	23.0	23.5	21.0	22.0	22.8	22.5	22.5	28.0	24.8	17.5	23.3	3
4	21.0	22.5	22.5	21.5	22.5	22.0	22.0	24.0	23.5	23.7	23.0	26.0	4
5	24.0	23.0	18.0	22.0	23.0	20.5	23.5	24.5	24.5	23.0	22.0	24.0	5
6	23.0	22.0	20.0	21.5	22.4	19.5	25.0	20.5	22.0	24.0	23.0	22.0	6
7	22.0	20.0	17.0	22.0	23.0	23.5	25.5	22.0	27.3	20.0	20.0	22.0	7
8	22.0	21.0	21.5	20.0	21.0	20.5	24.0	22.0	24.0	24.0	22.5	23.0	8
9	22.0	21.5	21.0	22.0	22.0	22.0	27.0	21.0	19.5	22.0	23.0	22.3	9
10	20.5	22.0	22.0	22.5	17.5	20.5	23.5	21.0	26.0	20.0	22.0	22.0	10
11	22.0	19.0	21.5	22.0	22.0	20.0	25.5	22.0	23.5	21.5	23.0	21.0	11
12	19.0	20.0	23.0	23.5	20.0	21.5	24.0	21.5	26.0	22.4	22.0	21.5	12
13	22.0	22.0	20.0	23.0	24.8	20.0	22.5	23.0	24.5	23.0	23.0	22.5	13
14	21.0	23.0	21.0	22.0	21.0	21.5	23.0	19.5	23.5	16.0	21.0	19.0	14
15	21.5	19.0	19.5	24.5	22.5	21.5	19.0	25.0	23.8	17.8	20.0	22.5	15
16	20.5	21.0	22.0	21.5	21.5	19.0	24.5	23.0	23.0	18.5	21.0	21.5	16
17	22.0	20.5	22.0	23.5	20.0	21.5	25.0	22.5	21.0	22.2	18.5	19.5	17
18	21.0	21.0	22.5	24.5	20.5	23.0	24.5	22.0	23.5	21.5	22.5	21.0	18
19	23.0	23.5	20.0	20.0	19.5	24.5	20.5	24.5	24.0	20.3	22.0	16.0	19
20	23.0	22.5	21.5	21.0	19.0	22.0	24.0	24.5	26.0	24.0	24.0	21.5	20
21	22.0	22.5	19.0	20.3	24.0	20.0	25.5	26.0	16.0	25.0	18.0	22.5	21
22	24.0	24.0	22.0	19.0	26.5	23.5	22.5	25.5	22.5	22.5	22.0	21.5	22
23	23.0	24.0	19.0	21.0	22.0	27.4	24.0	23.0	25.0	24.0	22.5	22.0	23
24	22.0	23.0	16.2	21.5	21.5	21.0	21.0	24.5	27.0	25.5	21.5	23.5	24
25	23.0	23.5	20.0	20.0	19.0	21.0	19.3	23.5	26.7	24.0	21.0	22.0	25
26	22.0	24.0	20.5	21.0	17.5	18.5	22.0	23.0	26.0	25.6	17.5	23.0	26
27	22.0	23.0	22.5	22.5	21.5	19.0	23.0	24.0	22.6	23.5	22.0	23.0	27
28	21.0	20.0	22.5	20.5	22.0	20.0	22.0	21.6	24.0	24.5	23.0	25.0	28
29	20.0	22.5	22.0	24.0	24.0	23.0	21.5	23.0	21.5	21.0	23.0	22.5	29
30	21.5		22.5	22.5	24.5	20.0	24.0	22.5	22.0	23.5	21.0	24.0	30
31	23.0		21.5		24.5		26.5	22.0		20.5			31
Average	22.0	22.9	21.0	21.7	21.7	21.5	23.4	23.0	24.0	22.4	21.6	22.1	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	23.1	21.0	22.5	22.0	24.0	24.5	25.5	19.0	20.0	23.5	23.0	22.5	1
2	24.0	20.0	23.0	23.5	21.5	22.0	22.0	20.0	27.0	24.0	22.5	22.5	2
3	22.0	18.0	22.0	23.0	24.0	24.0	26.3	23.0	28.0	25.5	21.0	22.0	3
4	21.5	20.0	20.0	19.5	24.0	22.5	27.0	25.0	27.0	26.0	23.0	19.0	4
5	21.5	19.0	23.5	22.0	24.0	25.5	24.5	23.5	25.5	25.5	21.0	23.0	5
6	23.5	21.0	22.5	20.0	19.0	27.0	24.0	24.0	24.0	28.0	18.0	23.0	6
7	21.0	21.5	24.0	21.0	19.0	26.5	24.0	20.0	24.0	21.1	21.0	22.0	7
8	22.5	21.0	20.0	23.0	22.0	25.0	22.0	20.5	21.5	22.0	23.0	23.0	8
9	20.0	22.0	21.0	23.0	22.5	22.0	22.0	24.0	22.5	24.5	23.0	23.0	9
10	18.0	20.0	22.0	25.0	18.5	20.0	18.0	23.5	24.0	24.0	24.0	27.5	10
11	20.0	18.0	22.5	20.0	23.0	19.5	21.0	25.0	26.0	26.0	21.0	25.0	11
12	22.5	22.0	18.0	22.8	23.5	20.0	21.0	26.0	24.0	23.0	22.0	24.0	12
13	22.0	24.5	21.0	23.0	20.0	19.5	22.0	30.0	26.0	23.0	20.0	23.0	13
14	22.5	23.5	22.0	23.0	22.0	20.0	23.0	25.0	26.0	25.0	21.0	22.8	14
15	21.0	24.5	24.0	23.5	20.5	22.0	22.5	21.0	22.0	19.0	21.5	22.9	15
16	20.8	23.5	21.0	23.5	23.0	21.0	18.0	24.3	29.0	19.0	22.0	23.0	16
17	21.0	22.5	23.0	22.5	20.0	25.0	25.0	23.5	23.3	20.0	25.0	22.0	17
18	18.0	20.0	20.0	21.0	25.5	24.0	25.0	25.0	23.0	23.0	23.5	22.5	18
19	20.0	17.5	22.5	24.0	24.0	24.5	25.2	22.0	23.0	26.0	22.0	22.5	19
20	23.0	20.0	21.0	21.0	23.5	25.0	26.0	22.5	23.0	24.0	21.0	21.5	20
21	21.5	21.0	21.0	23.5	24.5	24.5	23.0	25.0	24.0	25.5	23.0	23.0	21
22	22.5	19.0	21.5	23.5	26.5	25.5	23.5	23.5	21.0	26.0	20.7	22.0	22
23	23.0	20.5	22.8	26.0	24.5	24.0	20.5	22.0	23.5	25.2	22.0	21.0	23
24	23.5	21.0	17.0	20.5	24.5	24.0	23.5	24.5	23.0	23.0	21.8	21.5	24
25	21.0	21.5	22.5	23.0	23.0	25.5	23.0	27.5	24.0	24.5	23.0	20.0	25
26	22.0	19.0	22.0	25.5	25.0	23.0	21.0	28.0	24.0	22.0	21.5	21.5	26
27	21.7	21.5	23.0	22.0	23.0	23.5	23.5	25.0	25.5	23.0	21.0	22.0	27
28	20.5	21.0	21.5	21.0	23.0	22.0	23.0	25.0	26.5	21.0	22.0	23.5	28
29	22.5		23.5	20.0	25.0	23.5	24.5	30.0	21.0	24.5	24.0	21.0	29
30	21.0		23.0	22.0	26.0	23.0	24.0	29.5	25.0	22.0	23.5	20.8	30
31	21.1		24.0		21.0		21.5	26.5		19.0		22.0	31
Average	21.6	20.9	21.8	22.4	22.9	23.3	23.1	24.3	24.5	23.5	22.0	22.4	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan
RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	20.0	23.0	24.5	21.5	23.5	22.0	20.0	24.5	22.0	23.0	21.0	23.5	1
2	23.0	24.0	22.5	25.0	24.0	19.5	20.5	25.0	19.5	21.3	19.0	22.6	2
3	23.0	23.0	22.8	19.5	22.5	22.5	22.5	23.5	22.0	25.0	17.5	24.0	3
4	23.0	23.7	26.0	23.0	24.5	23.0	24.5	25.0	21.0	27.0	19.0	20.0	4
5	23.4	23.0	23.5	22.0	23.0	23.0	24.0	25.0	21.0	26.0	18.5	22.0	5
6	22.8	23.5	23.5	20.0	21.0	17.0	22.5	24.0	20.0	19.0	21.0	22.0	6
7	23.5	23.0	24.0	17.5	21.0	21.0	23.5	23.5	23.0	21.0	21.5	22.0	7
8	25.0	23.5	22.0	21.0	23.0	19.5	21.0	23.0	23.0	22.5	19.0	23.0	8
9	22.5	24.0	23.0	18.5	19.5	21.0	23.0	23.5	21.0	22.0	24.5	22.0	9
10	23.0	23.0	25.0	21.0	22.0	22.0	23.5	23.0	21.0	21.5	24.0	18.0	10
11	23.5	21.0	23.0	23.3	22.0	19.0	22.0	23.5	22.0	19.0	22.5	19.5	11
12	24.0	21.0	22.0	21.0	24.0	22.0	22.5	22.0	23.0	21.0	22.0	21.0	12
13	23.5	21.0	22.0	19.5	25.1	20.0	23.0	22.0	27.0	21.0	22.0	20.5	13
14	23.4	21.0	24.5	23.0	23.0	19.0	20.0	21.0	23.5	21.3	21.0	21.0	14
15	23.0	22.0	22.5	22.3	25.0	21.0		22.0	23.0	19.0	22.0	21.5	15
16	24.0	21.0	19.5	18.0	28.0	21.7	22.0	20.0	22.0	23.0	17.8	21.0	16
17	22.5	22.0	23.0	20.5	22.5	22.0	16.0	20.0	23.0	21.0	18.5	23.5	17
18	23.5	23.0	21.0	20.0	23.0	23.0	20.0	22.0	22.5	22.0	21.6	22.0	18
19	25.0	22.0	23.0	22.8	23.5	21.0	21.0	22.5	23.4	20.0	22.0	21.0	19
20	24.0	19.0	22.0	21.0	22.0	20.0	21.0	21.5	24.0	21.0	25.4	21.0	20
21	22.5	21.5	23.0	23.5	21.0	21.0	21.0	19.5	26.0	22.0	23.0	20.0	21
22	23.0	22.8	23.0	23.5	20.0	17.0	18.0	21.5	26.5	22.0	22.8	17.0	22
23	25.0		23.0	22.0	22.5	22.0	20.0	20.0	23.0	20.0	21.5	21.0	23
24	23.0	24.0	23.0	22.0	19.0	22.2	23.5	21.0	23.5	21.0	21.6	20.5	24
25	23.0	24.5	23.0	20.0	23.5	22.0	22.0	20.5	20.0	24.0	22.0	18.0	25
26	22.0	22.5	24.5	19.0	22.0	24.7	25.0	19.0	20.5	22.5	23.6	21.0	26
27	21.8	24.3	20.0	24.0	20.0	17.5	23.0	21.3	21.0	21.0	21.5	21.0	27
28	23.0	22.5	23.0	24.0	22.0	25.0	20.5	23.0	23.0	20.0	22.4	20.0	28
29	22.5	23.5	23.0	22.0	22.5	22.0	24.0	23.5	23.5	17.0	22.2	22.5	29
30	24.0		20.0	22.5	21.0	19.0	21.5	19.0	16.0	23.5	23.0	22.0	30
31	23.5		20.0		19.0		22.5	23.0		22.0		22.5	31
Average	23.2	22.6	22.7	21.4	22.4	21.0	21.8	22.2	22.3	21.6	21.4	21.2	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan
RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	NO	Dec.	DATE
1	20.5	22.0	24.0	20.0	23.0	24.0	24.5	23.5	24.5	19.0	25.0	23.5	1
2	21.0	22.0	24.4	21.5	22.5	24.5	22.0	28.0	25.5	23.0	23.0	23.5	2
3	20.5	22.5	23.5	18.0	23.5	24.5	21.0	26.0	22.5	22.5	22.0	23.0	3
4	22.0	22.0	22.0	21.5	24.5	24.0	23.5	24.0	18.0	22.5	23.5	23.3	4
5	22.0	22.5	23.0	22.5	26.5	24.0	21.0	25.0	22.5	26.0	22.0	22.0	5
6	22.0	23.5	22.0	20.0	23.0	26.5	20.0	25.5	24.5	25.5	21.0	23.5	6
7	22.0	22.5	20.5	23.0	21.5	24.5	25.0	18.5	24.5	24.0	19.5	18.0	7
8	21.5	22.0	23.5	22.0	21.5	23.0	27.0	24.5	24.0	24.5	17.5	22.0	8
9	21.5	24.0	23.5	17.0	22.0	21.0	25.0	24.5	27.5	22.0	20.0	22.0	9
10	21.0	23.0	22.0	22.5	21.5	22.5	25.5	23.5	21.0	23.0	24.5	22.0	10
11	21.2	22.5	23.5	20.5	22.0	21.5	23.5	24.5	22.0	18.0	26.0	23.5	11
12	22.0	23.0	22.5	19.5	16.0	23.0	26.0	22.5	28.0	22.0	23.5	22.5	12
13	18.0	22.0	20.0	21.5	22.0	26.4	29.0	24.5	26.5	25.5	22.0	22.0	13
14	22.0	23.0	22.5	21.0	23.0	24.5	22.0	24.5	22.0	19.0	23.0	24.0	14
15	20.5	22.0	23.5	18.0	24.0	21.5	24.0	24.5	22.5	25.0	21.0	22.0	15
16	20.0	29.0	22.0	20.8	20.5	24.0	24.0	24.2	26.0	21.5	20.5	23.5	16
17	19.0	23.0	22.0	21.0	24.0	25.5	27.0	21.0	23.0	21.5	24.0	22.0	17
18	21.1	24.5	22.0	23.0	24.7	25.0	29.0	19.0	25.5	23.0	23.0	23.0	18
19	21.0	20.0	21.0	21.5	25.0	26.0	26.5	19.0	27.0	23.5	19.5	23.0	19
20	22.5	23.5	21.0	19.5	18.0	26.5	26.0	22.6	25.5	24.0	20.0	23.5	20
21	21.5	22.5	20.0	21.0	23.0	23.5	23.5	24.5	26.0	22.8	22.5	24.0	21
22	21.5	23.0	21.0	21.5	22.5	23.5	24.0	25.0	24.0	24.0	22.5	27.0	22
23	22.0	23.5	25.0	23.0	22.0	26.0	23.5	26.0	24.5	22.5	22.0	23.5	23
24	22.0	25.5	21.0	19.5	25.0	23.5	27.0	26.0	24.0	24.5	21.5	22.5	24
25	20.5	24.5	24.5	17.0	24.5	24.5	25.5	24.5	23.5	22.5	20.5	22.0	25
26	21.5	25.0	23.5	22.0	21.0	24.0	25.0	26.5	21.0	20.0	21.0	23.0	26
27	21.5	24.5	23.0	22.0	21.5	23.5	29.5	25.5	19.0	21.5	23.0	22.0	27
28	21.5	25.0	20.0	18.5	21.5	22.0	22.5	26.0	20.5	22.0	21.0	22.0	28
29	22.5		22.5	20.5	20.0	22.7	23.0	23.5	24.0	23.5	22.5	19.5	29
30	21.3		24.5	20.5	20.5	22.5	25.5	23.5	22.0	24.5	23.5	20.0	30
31	19.0		28.5		22.0		21.0	22.0		14.5		22.0	31
Average	21.2	23.3	22.6	20.7	22.3	23.9	24.6	24.1	23.7	22.5	22.0	22.6	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	21.5	25.0	22.5	24.0		21.0	25.0	24.5	21.0	20.0	22.5	23.0	1
2	23.5	25.5	22.5	22.0	22.0	22.7	24.5	27.5	25.0	19.5	19.0	22.0	2
3	22.0	23.0	22.0	22.5	23.0	23.5	24.0	24.0	19.5	18.0	24.5	21.5	3
4	22.5	22.0	24.5	24.3	24.5	24.5	24.0	22.5	25.0	24.0	23.5	19.0	4
5	24.0	22.5	24.0	23.5	24.5	24.5	27.5	25.5	28.0	18.0	22.0	21.5	5
6	22.5	22.5	20.0	24.5	25.0	23.5	23.0	22.5	26.0	24.5	23.0	20.0	6
7	22.0	24.0	22.0	24.0	23.0	25.7	23.5	25.2	23.0	24.0	21.5	21.5	7
8	22.5	23.0	24.7	22.0	25.0	24.0	23.5	25.0	19.0	23.5	23.0	22.0	8
9	22.5	25.0	22.5	19.0	22.5	22.5	21.0	23.5	20.0	22.5	21.0	21.5	9
10	23.5	24.0	18.0	25.0	18.0	24.5	22.5	25.0	24.5	18.5	23.5	21.0	10
11	23.0	21.0	21.0	24.5	23.0	22.0	18.0	24.5	22.5	21.0	21.0	18.5	11
12	25.0	24.0	23.5	24.0	24.5	21.5	22.5	24.0	22.5	22.0	20.5	18.0	12
13	24.0	24.0	22.5	23.0	22.0	22.5	23.0	22.5	24.5	17.5	17.0	18.0	13
14	21.0	25.0	21.0	21.0	24.5	23.8	25.0	20.0	21.5	20.5	20.5	18.5	14
15	22.5	22.0	22.5	21.5	20.0	22.0	21.7	24.0	21.0	21.0	17.5	22.0	15
16	21.5	23.0	24.5	21.0	22.5	23.5	23.0	23.0	24.5	22.0	22.0	22.0	16
17	22.0	23.5	25.0	21.5	22.5	21.5	23.0	25.5	22.0	17.5	19.0	21.5	17
18	22.0	24.5	22.0	20.0	21.5	21.0	26.0	23.0	23.0	21.5	19.0	20.0	18
19	26.0	26.0	23.0	23.0	23.0	21.0	22.0	24.5	23.0	23.0	22.5	20.5	19
20	26.0	25.7		22.0	24.5	18.0	24.0	26.5	24.0	25.5	19.0	21.0	20
21	26.0	24.0	22.5	21.5	23.5	22.0	22.0	24.0	24.0	22.5	22.0	21.5	21
22	26.0	27.5	22.5	20.0	23.5	23.5	23.5	21.0	23.0	24.0	21.5	18.0	22
23	25.5	24.0	27.0	22.5	23.0	24.5	24.5	20.0	23.5	24.0	22.5	23.5	23
24	24.0	25.0	24.0	23.0	23.0	17.0	19.5	23.5	23.5	24.0	20.5	22.0	24
25	27.0	23.5	21.0	21.5	20.0	21.0	24.5	21.5	25.5	23.0	22.0	19.0	25
26	23.0	22.5	21.0	24.0	22.5	23.5	26.0	19.5	26.0	24.0	22.0	23.0	26
27	21.0	28.2	22.5	25.5	22.5	24.0	23.0	26.0	26.0	22.0	22.5	22.0	27
28	23.0	25.5	27.5	26.0	22.5	22.5	24.5	22.0	24.0	23.0	18.0	21.0	28
29	25.0		27.0	28.5	20.0	22.5	21.0	24.0	23.0	22.0	21.5	20.5	29
30	25.5		26.0	22.5	22.0	25.0	23.0	23.5	22.5	25.0	23.0	23.5	30
31	25.5		22.0		23.0		21.5	21.5		24.0		21.5	31
Average	23.(	24.1	23.0	22.9	22.7	22.5	23.2	23.5	23.5	22.0	21.2	20.9	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	21.0	23.2	21.0	20.0	22.0	21.5	24.5	25.0		22.2	17.5	26.0	1
2	22.0	22.5	23.0	21.0	19.0	20.0	27.0	24.0			22.5	24.0	2
3	21.0	22.5	22.5	23.0	23.0	22.0	23.5	24.0		26.2	23.0	23.0	3
4	21.0	20.0	22.0	23.5	24.5	17.5	24.0	23.0		24.0	23.0	26.0	4
5	22.5	21.0	24.0	23.0	24.0	19.0	22.0	22.5		24.0	23.0	25.5	5
6	23.0	18.0	24.0	24.0	21.0	23.5	22.0	28.0		25.0	25.0	23.0	6
7	21.0	17.2	22.0	26.5	17.5	16.0	25.0	24.0		25.7	24.0	25.0	7
8	24.5	22.0	21.5	24.5	23.0	21.5	26.0	23.5		22.0	20.0	25.2	8
9	21.5	17.8	20.0	22.5	25.0	24.0	22.0	25.5		18.5	24.0	24.0	9
10	21.0	22.5	23.0	23.5	21.0	21.5	20.5	23.0		23.5	20.5	22.5	10
11	20.5	20.6	22.0	25.0	22.5	21.0	19.5	24.0		24.0	23.5	24.0	11
12	19.0	22.5	23.0	25.0	22.5	23.5	23.0	26.5		17.5	23.5	21.5	12
13	20.5	23.4	24.5	21.5	22.0	22.0	22.5	25.0		22.0	23.0	23.0	13
14	22.5	21.0	22.5	16.5	20.0	23.0	20.0	26.2		24.0	23.0	23.0	14
15	21.5	21.5	19.0	23.5	24.0	21.0	18.5	25.0		24.3	22.0	20.5	15
16	20.5	21.5	21.0	24.0	22.0	20.0	22.5	25.7		25.0	21.5	23.0	16
17	23.4	20.5	17.6	24.5	22.5	20.5	25.0	22.0		25.5	24.0	23.5	17
18	23.0	23.0	22.5	23.0	18.2	21.0	22.5	24.5	24.4	24.0	19.5	20.5	18
19	22.5	22.0	23.5	23.0	24.0	22.0	21.5	23.5	25.5	23.0	20.0	23.0	19
20	19.5	21.0	23.5	22.5	23.0	24.0	23.0	22.5	24.4	24.0	21.5	23.2	20
21	22.5	21.0	23.5	25.0	24.5	23.0	21.0	22.5	25.0	22.7	18.5	22.0	21
22	21.5	20.0	23.5	24.0	23.0	25.0	21.0	21.5	23.4	23.0	22.5	23.0	22
23	21.0	18.0	22.0	22.0	23.0	22.5	20.0	23.0	25.5	23.0	23.0	23.0	23
24	19.5	23.0		24.0	25.0	24.0	20.0	24.0	26.5	21.5	22.7	23.0	24
25	22.0	22.0	22.5	22.0	21.5	19.0	23.5		26.7	22.5	20.0	22.0	25
26	20.5	19.0	24.0	22.0	24.5	21.5	24.5		26.5	24.5		20.0	26
27	21.0	21.0	19.5	20.5	23.0	22.5	24.0		22.0	24.0	22.0	23.5	27
28	20.5	20.0	20.5	21.5	22.0	23.0	25.0		20.5	23.0	21.5	19.5	28
29	20.0		18.5	22.0	22.5	23.0	23.5		20.5	22.0	21.0	22.0	29
30	21.5		22.0	23.5	20.5	23.0	24.0		21.0	20.5	23.5	22.0	30
31	22.0		22.5		18.0		22.5			17.5		23.0	31
Average	21.4	21.0	22.0	22.9	22.3	21.7	22.7	24.0		23.0	22.0	23.0	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730 m UNIT °C YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	22.0	22.0	22.5	23.0	26.0	21.5	22.5	23.0	17.0	24.5	25.4	20.0	1
2	23.0	19.5	21.0	24.0	25.5	20.0	22.0	23.5	18.0	24.0	24.5	21.0	2
3	24.0	19.0	21.0	23.5	25.0	23.5	23.0	22.0	17.0	23.0	25.4	21.0	3
4	21.5	18.5	21.5	23.5	26.0	23.5	20.0	22.5	17.0	22.0	23.0	23.0	4
5	22.5	20.0	24.5	23.0	24.0	21.0	23.5	22.0	20.0	21.0	24.0	23.5	5
6	21.0	24.5	23.0	22.5	24.0	18.0	21.0	21.0	18.0	23.0	25.0	23.0	6
7	22.0	22.5	21.5	23.0	20.0	24.0	22.5	24.0	18.0	22.0	24.0	24.0	7
8	23.0	23.0	21.5	21.5	22.5	22.5	26.0	24.5	17.0	21.0	25.4	22.5	8
9	21.5	23.0	18.5	21.0	21.5	24.5	25.0	26.0	18.0	24.0	20.0	24.5	9
10	24.5	21.5	20.0	22.0	22.0	22.5	22.0	26.5	17.0	24.0	21.5	22.0	10
11	24.5	22.0	21.5	20.0	23.0	24.5	23.0	25.0	19.0	24.0	24.0	24.0	11
12	23.0	23.5	23.5		25.5	18.5	23.0	24.5	19.0	23.0	20.0	22.0	12
13	22.5	23.0	22.5	21.5	26.0	23.5	23.5	26.0	18.0	19.5	22.0	25.0	13
14	22.0	24.0	22.0	20.0	24.0	23.0	22.0	26.0	19.0	25.0	20.5	23.0	14
15	23.0	24.0	18.0	22.0	24.5	22.5	20.6	28.0	18.0	23.0	23.0	24.5	15
16	24.0	23.0	22.0	22.0	23.5	23.0	21.0	26.5	17.0	20.3	21.0	24.0	16
17	22.5	22.5	21.0	24.0	17.0	22.5	21.0	25.0	18.0	24.5	24.2	24.5	17
18	22.5	22.0	21.0	21.0	24.0	22.0	22.0	24.0	18.0	24.0	24.0	24.0	18
19	25.5	24.0	23.2	22.0	23.0	23.0	22.0	25.0	19.0	23.0	26.4	24.0	19
20	24.0	22.0	21.0	23.0	23.5	23.0	22.0	26.5	15.5	23.5	23.0	20.5	20
21	22.5	22.0	22.0	23.0	23.5	19.5	23.0	25.5	17.0	24.0	26.0	25.0	21
22	23.0	22.5	25.5	23.0	22.0	21.0	25.0	25.0	18.0	23.5	20.0	23.0	22
23	21.0	22.0	21.5	22.5	24.0	22.5	23.0	26.0	18.5	24.0	25.3	23.0	23
24	24.0	22.5	21.0	23.5	24.5	23.0	25.0	23.0	18.0	23.5	24.0	21.0	24
25	19.0	23.0	23.0	21.0	25.0	23.0	23.0	24.0	24.0	23.0	26.0	23.5	25
26	23.0	23.2	21.5	24.5	21.5	22.5	25.0	24.0	17.0	19.2	24.0	23.0	26
27	22.5	20.0	22.5	24.0	23.5	24.5	23.0	17.5	16.0	21.5	24.0	24.0	27
28	24.0	23.5	24.0	23.0	25.5	24.0	23.0	22.0	17.0	25.4	20.0	20.0	28
29	23.0	20.0	22.5	24.0	25.0	22.5	23.0	24.0	14.0	22.0	23.0	24.0	29
30	21.5		22.5	22.5	17.5	23.0	26.0	20.5	17.0	24.2	17.0	24.0	30
31	20.5		26.0		19.0		23.0	24.0		23.0		23.5	31
Average	22.7	22.1	22.0	22.5	23.3	22.4	22.9	24.1	17.8	23.0	23.2	23.0	

Annual Total ( )

443 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	19.0	23.5	24.4	21.0	24.0	24.2	23.0	24.0	25.0	18.0	23.0	23.5	1
2	24.0	26.0	20.0	24.2	22.2	24.5	26.0	25.0	28.0	23.0	26.0	22.5	2
3	24.0	26.0	22.1	23.5	25.0	17.0	24.0	28.0	26.5	20.0	25.0	23.0	3
4	25.5	22.0	22.0	24.1	22.0	23.0	22.0	25.1	28.0	17.5	23.0	21.5	4
5	23.0	23.0	23.0	24.0	26.0	21.5	24.0	26.0	25.2	22.0	22.5	22.5	5
6	21.5	24.5	26.0	21.3	26.5	26.0	24.5	26.2	27.0	23.0	23.5	23.0	6
7	24.0	25.0	25.0	21.0	24.5	22.0	24.5	23.0	25.5	21.0	23.0	23.5	7
8	25.5	21.0	25.0	24.0	25.0	23.5	24.0	22.5	25.0	23.0	22.0	23.0	8
9	25.0	23.5	24.2	21.0	22.0	23.5	25.0	24.0	27.0	22.0	24.0	22.0	9
10	25.5	22.0	26.0	24.1	23.5	24.0	22.0	22.0	26.0	26.0	22.5	24.0	10
11	21.5	24.5	24.1	25.0	26.0	22.0	25.0	24.0	26.0	23.5	22.0	23.5	11
12	20.0	22.0	24.0	25.0	24.2	24.0	25.0	22.0	27.0	25.5	23.5	22.0	12
13	23.0	24.5	25.4	22.0	20.0	24.5	25.2	26.0	26.0	25.0	24.0	22.5	13
14	20.0	23.0	23.0	24.1	23.0	25.0	25.0	22.0	28.0	25.0	24.0	23.0	14
15	18.0	22.0	25.5	18.0	25.0	24.0	22.0	20.0	26.0	22.0	22.5	23.5	15
16	24.0	21.0	26.0	22.5	23.0	25.0	22.5	22.5	25.0	20.5	22.0	23.0	16
17	23.0	20.0	25.2	22.0	21.0	25.5	26.2	24.0	24.0	19.0	24.0	21.0	17
18	22.0	22.5	25.0	20.4	24.0	23.0	27.0	21.5	25.0	24.0	21.5	22.0	18
19	19.0	23.1	24.8	25.0	26.0	18.0	26.0	24.0	19.0	22.0	23.0	23.0	19
20	23.0	22.0	23.5	24.1	23.0	25.0	27.5	28.0	22.0	25.0	24.0	22.5	20
21	21.0	22.2	21.1	25.0	25.0	25.0	27.0	24.0	22.0	23.0	21.0	22.5	21
22	20.5	24.5	25.0	18.2	22.8	26.0	24.0	24.0	21.0	22.5	24.0	17.0	22
23	22.5	22.4	23.2	24.0	25.0	24.0	21.0	22.0	24.0	24.0	25.0	25.0	23
24	22.0	23.0	24.0	22.0	27.0	26.0	23.0	24.0	21.0	23.0	21.0	21.0	24
25	22.0	23.1	23.4	21.0	29.0	24.0	26.5	23.5	24.0	24.0	18.0	-	25
26	23.5	23.5	24.0	25.1	22.0	22.0	23.0	24.0	21.5	25.0	23.0	25.0	26
27	23.0	24.2	22.0	26.0	25.0	22.0	25.5	23.0	19.0	20.0	23.5	24.0	27
28	23.0	25.5	24.0	24.1	23.0	23.0	28.0	25.5	24.0	25.0	23.0	25.0	28
29	24.0		25.2	24.0	25.0	24.0	25.0	23.0	22.0	23.0	20.0	24.0	29
30	24.5		24.0	24.4	23.0	24.5	23.0	25.0	25.0	18.0	23.0	26.0	30
31	24.0		24.1		23.0		24.0	25.0		25.0		26.0	31
Average	22.6	23.2	24.0	23.0	24.0	23.5	24.7	24.0	24.5	22.6	22.9	23.0	

Annual Total ( )

443 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT °C YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1		23.0	23.0	26.0	20.0	26.0	23.0	23.0	23.0	23.0	25.0	23.0	1
2	22.0	22.0	19.0	26.0	23.0	26.0	23.5	22.0	21.1	23.2	24.5	22.0	2
3	22.0	23.0	24.0	24.0	21.0	22.2	26.0	22.2	20.0	25.0	23.0	22.0	3
4	25.0	20.0	22.0	26.3	22.0	24.2	24.0	24.0	20.0	23.0	20.0	21.0	4
5	26.0	23.0	25.5	25.0	23.0	21.1	24.6	22.9	25.5	23.0	21.2	22.0	5
6	25.0	23.0	24.0	26.8	19.0	20.0	22.6	22.0	21.1	23.0	21.0	22.0	6
7	21.5	20.0	24.0	24.0	24.2	20.0	20.5	22.0	24.0	24.0	23.5	22.0	7
8	25.0	24.0	21.0	21.0	22.0	24.0	22.0	24.0	20.0	22.0	23.0	24.0	8
9	27.0	24.0	22.0	24.2	26.0	21.0	24.0	22.0	25.0	20.5	22.0	22.0	9
10	23.0	24.0	23.5	23.0	23.0	20.0	23.0	24.0	23.0	19.0	23.0	24.0	10
11	21.0	26.0	21.0	23.0	23.0	25.0	23.0	21.0	25.0	23.2	22.0	24.0	11
12	18.0	24.0	22.0	18.0	23.0	21.5	23.5	24.0	23.1	21.0	22.0	23.0	12
13	24.0	25.0	22.0	26.5	23.0	22.0	23.2	23.0	23.0	21.0	21.6	22.1	13
14	19.0	26.0	21.0	20.0	24.0	24.0	22.5	24.0	23.0	23.0	22.0	22.0	14
15	21.0	25.0	24.0	24.2	22.0	23.0	24.0	20.3	22.5	23.0	21.4	23.0	15
16	22.5	25.0	23.8	23.0	20.0	20.0	23.4	25.0	18.5	23.0	23.0	23.0	16
17	20.5	20.5	25.5	24.2	21.0	25.0	25.0	22.4	21.0	26.0	24.0	24.0	17
18	22.5	21.5	25.0	23.2	25.0	25.2	23.0	24.0	22.0	23.0	23.0	25.0	18
19	20.0	24.0	25.0	25.0	19.0	26.0	21.0	22.0	25.0	27.0	22.0	22.1	19
20	21.5	20.5	22.5	24.0	21.0	22.0	22.5	24.0	23.0	23.0	24.0	18.0	20
21	22.0	22.0	28.0	24.0	24.0	24.0	24.5	24.0	21.0	21.5	22.4	22.8	21
22	24.0	24.5	26.0	21.0	23.0	22.0	24.5	27.0	20.1	23.0	22.0	19.0	22
23	24.0	24.0	23.0	25.0	22.0	23.0	22.3	21.0	17.0	20.0	22.0	21.5	23
24	23.0	19.5	22.0	26.0	25.0	20.0	23.2	23.0	22.0	25.0	25.0	22.0	24
25	23.0	20.0	23.0	22.0	22.2	23.0	22.0	22.2	23.0	19.5	22.0	22.0	25
26	22.0		23.0	23.0	22.0	23.2	22.4	23.0	20.5	23.0	22.0	20.0	26
27	22.0	26.0	25.0	21.3	21.0	21.0	22.1	22.7	23.0	22.0	22.0	23.0	27
28	24.0	23.5	21.0	23.0	20.0	25.3	21.6	23.0	20.0	22.0	23.0	23.0	28
29	25.0		25.0	20.0	23.2	25.0	21.5	21.0	20.0	24.0	19.0	23.0	29
30	25.0		26.0	26.0	24.0	22.9	20.4	18.0	23.1	26.0	20.0	23.0	30
31	21.5		24.0		24.0		23.0	23.0		24.0		23.0	31
Average	22.7	23.1	23.5	23.6	22.4	23.1	23.0	22.7	22.0	22.9	22.4	22.3	

Annual Total ( )

44.3 100 × 1 × 30

Temperature (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730 m UNIT °C YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	24.0	22.0	23.2	20.0	19.0	21.0	21.5	24.0	23.0				1
2	21.4	22.0	23.0	22.0	21.0	24.0	22.0	19.0	24.0				2
3	24.0	22.4	21.0	18.5	23.0	24.0	21.0	23.0	22.0				3
4	20.0	22.0	22.5	24.0	22.0	25.0	20.0	21.0	21.0				4
5	20.0	20.0	25.0	23.0	23.0	21.0	25.0	22.0	22.4				5
6	22.0	23.0	26.0	23.0	20.0	23.0	24.0	22.5	-				6
7	20.0	23.0	22.5	24.0	24.0	22.0	20.5	22.0	-				7
8	24.0	22.0	22.0	24.0	21.0	26.0	26.0	21.2	-				8
9	21.0	18.0	22.0	22.0	23.0	22.0	26.5	24.0	-				9
10	22.0	20.0	25.0	22.4	20.0	21.0	21.0	22.0	-				10
11	23.0	19.5	22.0	23.0	19.0	24.0	23.0	22.0	-				11
12	22.3	21.0	22.0	24.0	22.0	20.0	25.0	22.0	-				12
13	20.0	21.0	24.0	22.0	24.0	19.5	20.5	23.0	-				13
14	21.2	19.0	22.0	16.5	21.0	23.0	22.0	21.0	-				14
15	22.5	19.2	21.0	21.5	22.0	23.0	23.0	21.0	22.0				15
16	23.0	20.4	21.0	25.0	19.0	22.0	23.0	22.0	20.0				16
17	22.0	22.0	22.0	23.5	20.0	22.0	24.0	20.0	20.2				17
18	20.3	19.0	19.0	22.5	24.0	21.0	24.0	23.0	22.0				18
19	20.0	22.0	20.0	20.4	23.0	21.5	24.0	22.0	23.0				19
20	21.0	21.0	18.0	18.0	21.5	22.0	28.0	21.0	22.0				20
21	22.0	21.0	21.5	20.0	23.0	18.5	25.0	22.0	20.0				21
22	23.1	20.0	22.0	21.5	20.0	22.0	26.0	21.5	24.0				22
23	23.0	21.5	22.5	20.0	22.0	24.0	24.0	25.0	22.0				23
24	24.0	22.0	21.0	24.0	25.0	22.0	23.0	22.0	24.0				24
25	22.0	23.0	20.0	25.0	18.0	24.0	23.4	24.0	22.0				25
26	22.0	25.0	23.0	26.0	19.5	22.0	24.0	20.0	24.0				26
27	22.0	22.0	23.0	26.0	24.0	22.0	20.0	22.0	24.2				27
28	23.0	25.0	21.0	24.0	19.0	21.0	22.0	23.0	24.0				28
29	22.0		22.1	25.0	23.0	24.0	23.0	23.0	22.2				29
30	23.0		23.0	23.0	21.0	24.0	23.0	23.5	18.0				30
31	23.0		20.0		24.0		22.0	26.0					31
Average	22.0	21.4	21.9	22.5	21.6	22.4	23.2	22.2	22.2				

Annual Total ( )

44.3 100 × 1 × 30

III – 8. DAILY RELATIVE HUMIDITY

Gauging Station	Elevation (m)	Recording Period
(1) Popayan	1,730	Jan. 1961 – Dec. 1971

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1962

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	62	67	55	73	62	61	70	38	58	62	69	68	1
2	65	65	57	75	72	63	50	46	33	62	63	64	2
3	66	84	66	66	62	65	59	42	48	58	86	69	3
4	68	74	70	71	67	68	56	51	66	74	63	42	4
5	49	63	91	62	59	71	53	54	57	57	69	56	5
6	66	62	75	80	66	72	42	71	49	57	63	65	6
7	69	81	91	64	63	64	53	62	53	71	75	62	7
8	66	70	69	74	76	77	58	63	48	70	63	59	8
9	65	80	68	62	76	69	53	68	72	81	63	64	9
10	65	56	64	80	91	73	36	61	47	75	69	65	10
11	62	67	69	62	66	79	45	56	60	66	63	69	11
12	80	75	58	51	86	62	45	55	38	63	66	68	12
13	58	68	75	61	69	83	59	57	55	57	66	78	13
14	70	61	72	76	76	65	49	78	56	100	73	64	14
15	69	100	79	67	63	65	75	51	60	90	75	83	15
16	73	68	62	72	74	88	48	70	68	85	61	72	16
17	69	82	65	66	68	46	47	59	73	67	83	72	17
18	68	68	71	58	76	50	52	62	51	69	70	75	18
19	63	62	65	72	80	55	76	61	57	67	69	72	19
20	61	63	83	70	75	60	42	55	57	64	51	95	20
21	62	65	65	73	64	75	50	42	95	58	82	100	21
22	64	66	75	74	56	43	65	42	63	50	56	63	22
23	59	58	91	79	62	53	57	42	47	49	65	65	23
24	77	61	68	73	80	59	68	61	39	45	69	65	24
25	53	58	73	74	83	68	80	47	36	48	61	51	25
26	62	50	74	76	87	80	62	53	50	57	79	69	26
27	58	63	65	70	73	78	57	62	68	57	69	66	27
28	67	79	73	65	60	74	62	64	55	55	57	57	28
29	75	55	63	57	57	59	65	57	62	68	77	58	29
30	68		72	72	64	75	39	65	62	73	68	56	30
31	61		-		62		51	65		76		51	31
Average	65	55	70	69	70	66	56	57	55	65	68	66	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1963

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	56	68	65	69	58	48	44	83	32	53	65	59	1
2	50	75	50	66	65	67	49	75	33	58	56	65	2
3	66	82	56	63	58	58	39	57	34	55	66	61	3
4	72	72	64	100	58	48	39	37	33	42	50	83	4
5	65	100	61	62	58	47	38	39	44	44	58	53	5
6	66	68	63	74	100	44	40	46	40	39	84	47	6
7	68	65	57	68	85	45	40	61	51	54	58	50	7
8	65	54	74	57	65	47	56	71	65	53	44	51	8
9	68	69	68	57	63	58	65	40	59	54	50	50	9
10	91	75	69	58	91	68	82	42	51	46	43	42	10
11	75	77	59	68	63	83	64	41	53	42	58	51	11
12	61	62	82	63	57	75	61	42	46	50	46	51	12
13	65	62	68	63	75	80	69	33	37	44	61	48	13
14	63	51	62	63	69	68	63	47	37	54	50	60	14
15	67	61	64	57	68	62	59	54	43	83	51	56	15
16	71	55	68	60	65	61	82	48	36	83	44	57	16
17	63	63	57	63	68	52	52	47	62	75	42	61	17
18	86	68	75	76	55	51	41	41	44	53	56	65	18
19	75	79	63	53	58	48	57	49	49	48	50	55	19
20	50	70	61	68	68	37	42	56	48	58	61	65	20
21	61	68	68	43	46	32	38	41	58	38	57	48	21
22	57	83	62	53	45	38	45	60	68	42	81	50	22
23	54	71	59	48	48	46	50	49	58	51	61	58	23
24	60	68	92	71	54	43	39	48	46	55	69	62	24
25	61	65	59	63	57	40	50	42	58	48	65	75	25
26	58	75	69	55	47	44	48	44	58	69	72	65	26
27	66	65	70	69	57	51	43	41	50	44	67	58	27
28	71	61	62	61	57	56	57	25	39	67	69	58	28
29	50		60	75	41	61	48	28	56	54	58	68	29
30	65		57	62	42	57	40	34	41	65	60	73	30
31	64		58		54		65	38		78		58	31
Average	65	69	65	64	61	54	52	47	48	55	58	58	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1964

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1										58	77	61	1
2										68	76	61	2
3										43	96	58	3
4										35	91	70	4
5									61	42	80	70	5
6									42	76	70	62	6
7									55	67	67	70	7
8									58	61	80	55	8
9									62	66	50	70	9
10									70	67	53	80	10
11									48	70	64	80	11
12									46	62	66	65	12
13									37	67	64	73	13
14									50	60	67	65	14
15									46	70	70	77	15
16									62	64	86	70	16
17									55	61	88	68	17
18									61	64	71	57	18
19									40	66	64	70	19
20									53	70	63	62	20
21									44	64	64	69	21
22									42	64	59	79	22
23									55	66	67	70	23
24									56	79	66	38	24
25									72	49	70	83	25
26									66	67	61	57	26
27									58	62	74	70	27
28									58	69	61	75	28
29									54	90	63	61	29
30									92	68	58	71	30
31										70		61	31
Average									56	64	70	67	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1965

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	66	54	52	76	58	52	56	46	50	83	56	58	1
2	54	70	48	67	67	53	66	50	37	59	71	62	2
3	73	61	55	95	58	53	69	40	61	61	67	61	3
4	57	62	63	70	45	52	58	52	78	61	68	63	4
5	70	61	64	61	42	52	69	37	61	54	66	69	5
6	55	52	63	69	58	39	69	35	47	54	69	62	6
7	63	69	73	55	72	50	53	72	56	58	80	96	7
8	60	63	64	63	67	35	47	47	52	53	91	70	8
9	74	52	58	91	71	72	48	34	45	70	76	67	9
10	58	45	63	67	74	56	43	55	77	67	56	73	10
11	68	61	55	76	63	60	55	36	63	91	60	55	11
12	58	61	57	80	94	53	38	54	29	70	62	67	12
13	83	62	76	65	66	42	37	48	42	60	63	63	13
14	73	63	63	69	58	49	44	45	44	83	64	71	14
15	71	66	55	83	55	60	47	50	61	53	69	67	15
16	76	37	61	66	73	56	41	60	38	64	81	62	16
17	80	58	66	53	44	51	34	69	34	67	61	62	17
18	71	55	63	64	55	37	32	75	43	55	71	64	18
19	69	69	69	56	53	38	42	80	39	62	95	58	19
20	67	55	69	76	91	42	38	61	45	59	72	62	20
21	63	67	76	64	65	46	49	45	49	65	63	58	21
22	74	58	69	67	61	46	38	42	52	58	67	44	22
23	63	55	53	58	61	38	49	41	56	62	63	52	23
24	63	45	65	80	48	52	34	39	54	49	67	74	24
25	78	50	50	88	53	50	41	41	55	61	72	63	25
26	74	43	58	66	69	39	32	29	62	76	69	64	26
27	64	59	64	67	67	49	35	37	83	67	60	67	27
28	74	56	84	91	67	63	52	39	69	73	100	70	28
29	57		67	66	73	52	51	55	52	62	61	76	29
30	67		53	73	73	54	37	49	61	59	62	76	30
31	75		39		66		62	33		96		67	31
Average	68	57	62	71	63	50	47	48	53	65	69	65	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1966

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	73	50	47	33		70	48	56	68	72	67	64	1
2	61	51	67	70	63	54	50	37	48	80	73	65	2
3	70	66	61	60	64	35	39	47	79	75	56	66	3
4	70	64	52	54	59	45	53	58	53	58	63	79	4
5	58	61	53	61	55	48	34	40	31	72	66	66	5
6	68	67	76	53	54	50	46	54	38	56	62	73	6
7	70	56	70	58	64	56	46	52	55	58	67	73	7
8	64	71	54	67	53	53	56	43	68	61	58	61	8
9	66	58	61	83	66	61	70	50	50	64	70	66	9
10	61	53	83	47	90	56	61	48	50	80	61	72	10
11	64	77	52	49	64	61	80	45	58	67	70	36	11
12	53	56	61	54	56	68	64	47	61	64	69	93	12
13	58	53	38	64	70	64	64	61	48	86	92	88	13
14	72	40	79	72	61	60	53	72	67	73	73	83	14
15	66	52	52	66	84	64	66	53	65	56	92	70	15
16	73	53	56	66	65	61	58	53	56	57	64	73	16
17	70	48	49	73	66	70	52	46	64	92	84	70	17
18	66	54	70	76	63	70	49	58	52	70	86	73	18
19	54	41	60	58	64	69	45	56	58	53	67	72	19
20	37	52		67	43	92	47	37	58	56	89	65	20
21	43	58	63	66	59	57	64	53	58	60	66	66	21
22	43	42	67	84	58	61	56	62	64	47	67	86	22
23	50	58	37	66	58	54	54	78	52	53	67	56	23
24	47	55	58	64	55	85	80	44	44	58	67	63	24
25	34	56	77	66	84	74	48	63	43	55	77	83	25
26	55	71	70	61	61	61	38	73	49	58	70	64	26
27	77	38	71	50	66	50	40	54	49	64	61	70	27
28	67	56	48	45	66	54	56	64	53	58	67	71	28
29	53		35	38	84	65	70	60	58	70	86	72	29
30	50		20	61	69	53	64	56	67	53	67	64	30
31	54		70		64		69	63		49	60	73	31
Average	60	54	59	61	64	61	55	54	55	64	70	72	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1967

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	77	63	73	73	63	67	50	39		82	83	38	1
2	63	69	60	77	83	76	39	47		-	57	65	2
3	69	74	61	64	60	70	49	51		42	61	64	3
4	77	49	66	55	56	83	41	40		52	64	38	4
5	61	73	58	58	56	83	57	39		41	58	46	5
6	58	80	61	58	77	52	66	40		35	53	58	6
7	68	89	70	47	76	91	53	43		45	56	57	7
8	56	62	70	54	64	56	38	44		60	76	58	8
9	63	89	76	68	59	58	58	33		83	56	56	9
10	69	60	66	62	77	58	62	51		53	80	67	10
11	76	74	63	53	66	69	72	41		52	58	62	11
12	83	54	61	53	67	66	58	42		91	55	71	12
13	72	62	56	74	66	63	61	48		63	66	58	13
14	57	66	64	91	76	56	72	42		58	64	61	14
15	70	70	83	56	57	69	87	48		51	63	76	15
16	72	66	69	58	70	76	56	45		51	74	58	16
17	64	51	95	56	39	73	48	59		57	52	55	17
18	61	67	54	64	86	60	51	45	50	58	88	76	18
19	64	67	62	51	61	63	67	52	41	58	76	55	19
20	76	69	58	54	64	52	58	48	54	52	67	54	20
21	57	65	49	42	68	58	69	61	51	62	83	63	21
22	67	75	52	58	58	44	66	67	55	58	72	61	22
23	71	83	61	59	64	41	74	53	41	61	55	64	23
24	76	65		58	48	47	69	49	47	67	60	58	24
25	67	63	66	66	70	83	62		36	67	65	63	25
26	73	79	58	63	56	67	42		58	50	67	84	26
27	68	69	80	73	61	61	47		70	47	67	59	27
28	72	70	76	70	63	44	42		80	58	73	88	28
29	69		79	63	57	55	49		69	63	55	63	29
30	67		63	49	73	58	47		73	69		63	30
31	66		66		95		41			91		58	31
Average	68	69	66	61	66	64	57	47		59	65	61	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1968

DATE	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	60	64	61	64	44	66	60	46	62	56	41	69	1
2	55	73	70	58	38	76	64	43	65	65	45	77	2
3	41	76	70	65	45	54	58	57	52	58	65	62	3
4	60	80	63	61	41	58	80	51	57	57	58	71	4
5	61	70	50	64	50	70	94	57	50	70	67	46	5
6	70	56	58	60	47	71	70	79	90	58	48	64	6
7	64	64	67	64	76	47	60	53	50	64	71	53	7
8	64	61	67	73	60	64	44	45	62	77	61	64	8
9	70	61	88	77	66	50	43	34	56	53	70	56	9
10	50	67	76	64	70	61	50	30	50	58	66	67	10
11	56	64	67	76	61	50	46	37	53	53	56	53	11
12	61	58	56		46	83	52	39	58	64	84	67	12
13	61	58	61	66	44	62	50	34	41	80	70	45	13
14	57	58	70	72	53	58	57	34	52	59	69	64	14
15	58	58	83	70	48	61	66	31	46	58	71	50	15
16	56	58	64	57	58	52	70	37	46	70	80	58	16
17	68	61	77	58	78	61	70	43	56	50	68	50	17
18	65	64	62	62	47	64	57	53	62	71	65	58	18
19	56	58	63	64	61	58	64	43	62	58	57	65	19
20	58	64	70	64	61	58	64	32	40	75	71	72	20
21	61	70	66	61	58	80	58	43	68	53	58	53	21
22	64	61	40	58	57	73	43	37	75	68	76	71	22
23	70	64	67	67	58	61	58	44	50	53	60	52	23
24	53	67	70	55	56	58	43	52	50	74	65	70	24
25	84	64	64	70	53	55	46	47	45	64	62	94	25
26	61	63	67	56	70	58	43	56	50	84	53	64	26
27	61	76	61	58	58	40	52	83	52	60	65	58	27
28	58	56	62	64	51	53	46	64	68	65	80	69	28
29	55	76	64	56	53	61	46	56	56	67	78	53	29
30	71		64	60	96	58	41	73	86	72	95	53	30
31	85		44		85		52	58		58		94	31
Average	62	64	65	64	58	61	56	48	57	64	67	63	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1969

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	84	94									64	54	1
2	47	44									60	66	2
3	48	44									53	64	3
4	46	64									71	77	4
5	58	68									64	66	5
6	73	56									64	60	6
7	56	63									58	62	7
8	46	70									70	77	8
9	43	71									58	70	9
10	51	70									64	71	10
11	70	65									70	58	11
12	84	70									61	70	12
13	64	56									58	66	13
14	76	58									62	64	14
15	92	64									70	54	15
16	65	70								73	70	64	16
17	67	85								97	52	62	17
18	70	64								58	73	66	18
19	84									70	64	58	19
20	64									65	55	66	20
21	70									71	77	64	21
22	66									64	67	96	22
23	67									62	59	53	23
24	64									58	77	73	24
25	70									58	95	-	25
26	61									53	64	65	26
27	64									85	61	58	27
28	71									59	71	65	28
29	53									74	76	52	29
30	56									83	68	60	30
31	58									65		49	31
Average	64	65								68	66	64	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1970

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1		71	71	54	92	49	58	64	64	63	52	70	1
2	62	77	88	54	74	49	55	70	84	62	61	69	2
3	73	71	58	58	84	78	43	57	84	61	66	73	3
4	58	76	55	52	66	57	47	58	92	70	83	72	4
5	53	71	50	53	71	78	65	72	62	70	77	76	5
6	47	71	65	58	91	85	68	70	84	74	76	69	6
7	76	76	58	80	73	92	79	57	58	64	67	76	7
8	52	61	77	84	77	71	70	58	84	73	63	64	8
9	43	52	70	61	60	77	65	57	59	83	66	76	9
10	63	61	54	68	64	92	69	58	67	79	63	70	10
11	76	72	77	77	71	53	61	77	65	62	76	64	11
12	82	61	66	95	64	81	68	53	75	83	76	71	12
13	67	61	66	45	71	64	65	72	64	83	75	79	13
14	79	60	69	92	71	45	61	71	73	70	81	76	14
15	72	53	52	59	80	58	58	74	66	70	73	57	15
16	66	59	62	77	76	85	68	53	91	60	70	63	16
17	87	68	50	66	80	48	53	76	69	59	65	70	17
18	60	73	48	73	53	41	60	58	78	60	70	52	18
19	83	52	53	72	75	44	66	70	53	54	73	83	19
20	62	80	64	65	69	64	68	53	64	71	70	91	20
21	76	77	45	71	66	53	49	74	69	73	73	73	21
22	51	61	38	84	58	78	49	40	88	70	70	83	22
23	51	58	39	65	70	58	71	77	83	83	69	73	23
24	63	71	70	49	65	85	64	58	70	52	52	62	24
25	70	76	58	66	84	64	66	81	64	79	69	66	25
26	69	-	58	64	70	72	72	64	84	70	69	75	26
27	76	49	53	82	69	50	80	75	58	69	97	70	27
28	57	57	84	58	69	60	73	67	92	62	63	63	28
29	58		59	84	69	37	84	85	84	64	91	77	29
30	52		66	49	58	72	84	90	74	69	75	63	30
31	76		52		65		72	78		51		71	31
Average	65	66	60	67	71	66	65	66	73	69	71	71	

Annual Total ( )

44.3 100 × 1 × 30

Humidity (At 13 O'clock) STATION Popayan

RIVER, IN THE BASIN OF ELEVATION 1,730m UNIT % YEAR 1971

DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	DATE
1	64	77	73	79	87	69	66	70	71				1
2	75	70	70	64	80	58	69	83	51				2
3	64	71	80	79	63	68	83	84	80				3
4	89	70	56	64	80	72	83	68	68				4
5	83	72	85	74	70	80	58	69	72				5
6	80	58	65	71	75	71	64	66	-				6
7	72	64	77	70	51	73	65	69	-				7
8	67	70	76	51	76	54	59	77	-				8
9	68	91	69	66	63	77	63	57	-				9
10	69	84	65	67	72	77	83	78	-				10
11	63	81	80	74	83	56	57	69	-				11
12	77	77	62	67	70	84	58	69	-				12
13	83	69	64	84	70	88	83	63	-				13
14	78	83	76	95	83	64	66	76	-				14
15	73	90	72	80	69	60	63	68	71				15
16	73	81	76	52	83	70	51	67	75				16
17	76	63	73	88	83	77	52	83	82				17
18	85	83	100	50	64	69	51	70	62				18
19	75	63	91	76	63	70	57	69	71				19
20	68	69	91	91	76	70	44	79	69				20
21	69	79	73	83	57	87	61	69	87				21
22	73	92	69	84	87	70	48	76	57				22
23	63	74	70	83	69	71	70	58	71				23
24	65	63	83	67	58	63	57	78	57				24
25	69	73	83	58	91	68	71	57	62				25
26	78	53	70	48	87	70	51	83	57				26
27	69	79	70	53	57	77	75	69	66				27
28	73	53	76	64	91	77	69	71	64				28
29	69		75	52	57	58	70	63	74				29
30	72		63	73	83	58	57	68	82				30
31	63		75		57		72	53					31
Average	72	73	74	70	73	70	64	70	69				

Annual Total ( )

44.3 100 × 1 × 30