

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO CRISNEJAS

2/ 9/79

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM

AFLUENTE CRISNEJAS SU

94	1 1	123.3	4030.0	2.3	4062.0	901.	0.03	0.03	0.40	11.3
95	1 1	110.3	3400.0	48.5	4004.8	891.	0.54	0.54	0.39	11.0
5+ 95		110.3	3400.0	92.7	3912.6	875.	0.99	0.99	0.38	10.7
96	1 1	105.3	3275.0	142.6	3698.2	840.	1.41	1.41	0.37	9.9
97	1 1	95.3	3000.0	215.4	3682.9	836.	2.11	2.11	0.37	9.8
98	1 1	85.3	2665.0	266.5	3605.3	824.	2.54	2.54	0.36	9.5
12+ 98		85.3	2665.0	527.6	3556.0	816.	4.93	4.93	0.36	9.3
99	1 1	76.3	2375.0	591.3	3486.7	805.	5.41	5.41	0.36	9.2
20+ 99		76.3	2375.0	770.8	3457.9	801.	7.00	7.00	0.36	9.1
100	1 1	61.3	2130.0	962.4	3373.9	788.	8.51	8.51	0.35	8.8
23+100		61.3	2130.0	1123.6	3361.4	786.	9.88	9.88	0.35	8.8
101	1 1	48.3	2025.0	1230.0	3318.3	779.	10.68	10.68	0.35	8.7
37+101		48.3	2025.0	1745.2	3317.7	779.	15.14	15.14	0.35	8.7
102	1 1	48.0	2020.0	1745.3	3317.7	779.	15.14	15.14	0.35	8.7
39+102		48.0	2020.0	1798.2	3296.9	776.	15.51	15.51	0.35	8.6
103	1 1	43.0	1996.0	1816.7	3288.6	775.	15.64	15.64	0.35	8.6
91+103		43.0	1996.0	3826.7	3243.1	777.	31.25	32.25	0.34	8.4
104	1 1	41.0	1980.0	3864.1	3234.7	776.	31.50	32.50	0.34	8.4

AFLUENTE CRISNEJAS IN

104	1 1	41.0	1980.0	3864.1	3234.7	776.	31.50	32.50	0.34	8.4
105	1 1	34.0	1750.0	3973.4	3211.1	772.	32.23	33.23	0.34	8.4
106	1 1	29.0	1455.0	4009.3	3204.9	771.	32.47	33.47	0.34	8.3
107	1 1	24.0	1380.0	4120.8	3199.6	770.	33.32	34.32	0.34	8.3
93+107		24.0	1380.0	4207.0	3190.5	769.	33.95	34.95	0.34	8.3
108	1 1	10.0	1220.0	4485.9	3176.4	765.	36.05	37.05	0.34	8.3
109	1 1	0.0	1020.0	4560.5	3149.9	762.	37.23	38.23	0.34	8.2

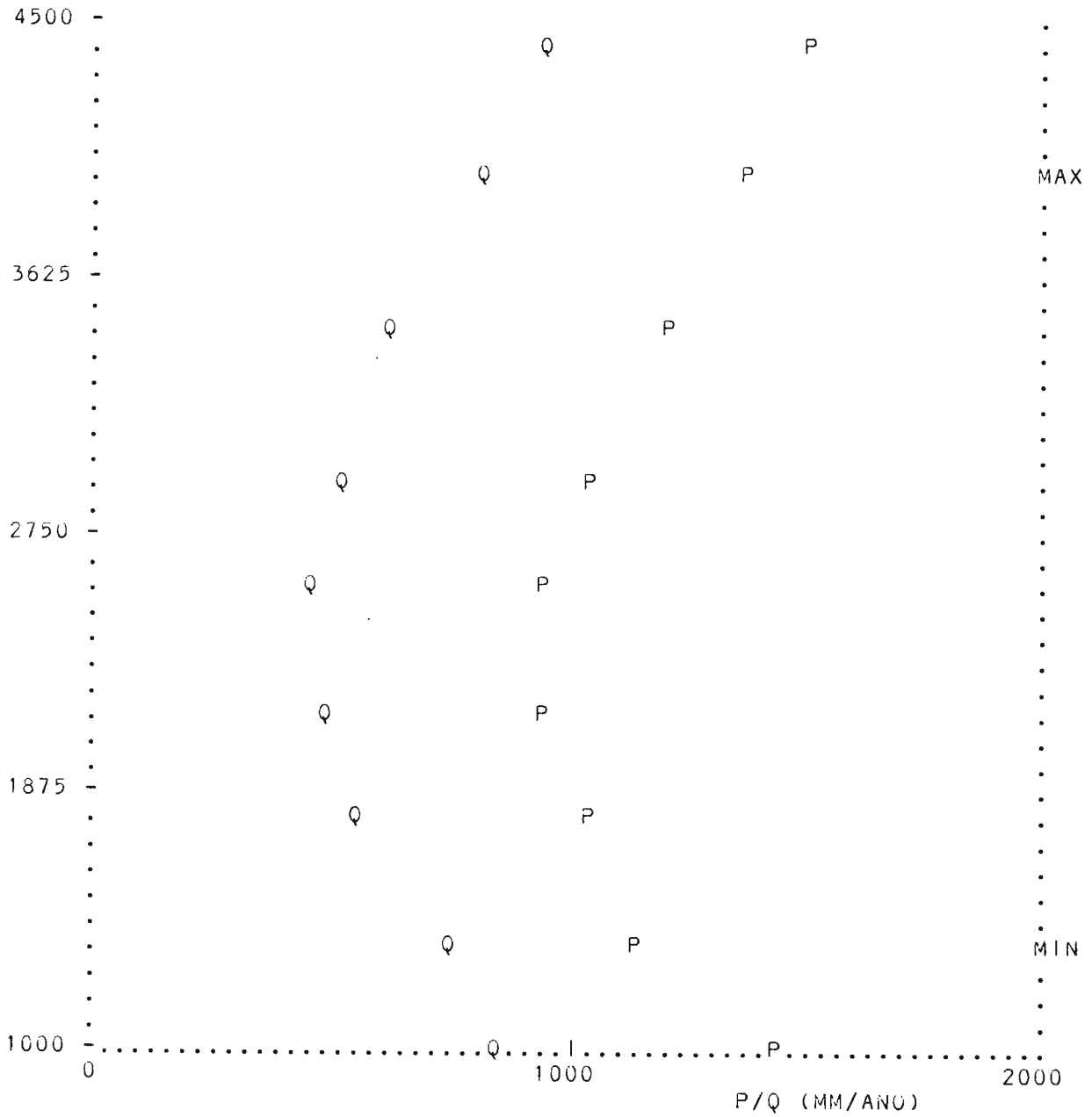
- I = NUMERO DEL PUNTO
- L = KILOMETRAJE
- H = ELEVACION DEL PUNTO
- AA = AREA TOTAL DE LA CUENCA HASTA EL PUNTO
- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
- PREC = PRECIPITACION MEDIA SOBRE TODA LA CUENCA HASTA EL PUNTO
- QM = CAUDAL MEDIO EN EL PUNTO
- QN = CAUDAL NATURAL EN EL PUNTO
- CEAT = COEFICIENTE DE ESCURRIMIENTO DE TODA LA CUENCA HASTA EL PUNTO
- RQT = RENDIMIENTO DE TODA LA CUENCA HASTA EL PUNTO
- RP = REGIMEN DE PRECIPITACION
- RE = REGIMEN DE ESCURRIMIENTO

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* CUENCA DEL RIO LLAUCANO : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 4050. : AMIN = 1407. *
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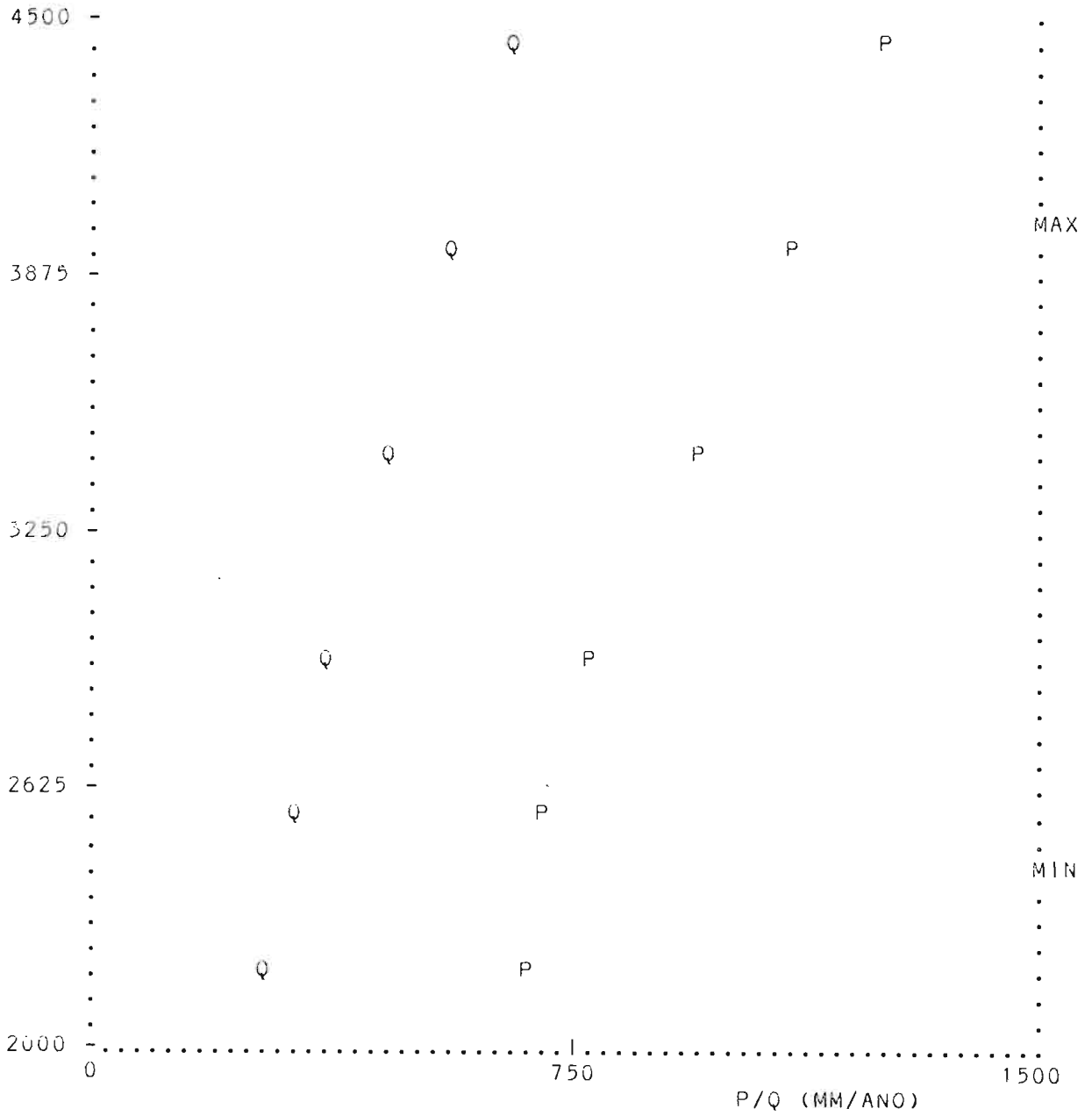
ALTURA (M.S.N.M.)



A :	1000	1400	1800	2200	2600	3000	3500	4000	4500	5000
Q :	900	780	600	510	500	560	660	840	970	1100
P :	1500	1200	1100	1000	980	1080	1250	1420	1550	1680
K :	.600	.650	.545	.510	.510	.519	.528	.592	.626	.655

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 \* CUENCA DEL RIO LLAUCANO : REGIMEN # 2 \*  
 \* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) \*  
 \* AMAX = 4029. : AMIN = 2490. \*  
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ALTURA (M.S.N.M.)



A :	1000	1400	1800	2200	2600	3000	3500	4000	4500	5000
Q :	360	360	360	300	350	400	500	600	700	800
P :	700	700	700	720	740	820	980	1150	1300	1430
K :	.514	.514	.514	.417	.473	.488	.510	.522	.538	.559

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	KM	M	MM	M /S	M /S	(-)	L/S/KM
=====										
AFLUENTE PINGUYO										
=====										
1	1 1	12.0	4000.0	0.4	4025.0	1426.	0.01	0.01	0.59	26.6
2	1 1	0.0	2810.0	57.1	3452.0	1234.	1.17	1.17	0.52	20.5
=====										
AFLUENTE TAMBILLO										
=====										
3	1 1	18.0	3975.0	1.8	4008.0	1422.	0.05	0.05	0.59	26.5
4	1 1	0.0	2700.0	75.2	3414.6	1221.	1.52	1.52	0.52	20.3
=====										
AFLUENTE NUNNUN SUP										
=====										
5	2 2	26.0	3925.0	1.4	4029.0	1159.	0.03	0.03	0.54	20.0
6	2 2	18.0	3525.0	28.7	3782.6	1076.	0.53	0.53	0.54	18.4
7	2 2	8.0	2850.0	98.2	3468.7	972.	1.60	1.60	0.53	16.3
=====										
AFLUENTE NUNNUN INF										
=====										
7	2 2	8.0	2850.0	98.2	3468.7	972.	1.60	1.60	0.53	16.3
8	2 2	0.0	2544.0	165.5	3277.7	910.	2.11	2.11	0.44	12.7
=====										
AFLUENTE ARASCORGUE A										
=====										
9	1 1	13.0	3675.0	2.3	3851.0	1369.	0.06	0.06	0.57	24.7
10	1 1	3.0	2680.0	40.7	3311.3	1186.	0.80	0.80	0.52	19.7
=====										
AFLUENTE ARASCORGUE B										
=====										
10	1 1	3.0	2680.0	40.7	3311.3	1186.	0.80	0.80	0.52	19.7
11	1 1	0.0	2540.0	54.9	3201.8	1151.	0.95	0.95	0.47	17.2
=====										
AFLUENTE QDA PANTEON										
=====										
12	2 2	7.0	3200.0	0.7	3383.0	943.	0.01	0.01	0.30	9.0
13	2 2	0.0	2535.0	23.9	2927.7	807.	0.18	0.18	0.29	7.4
=====										
AFLUENTE TINGO SUP										
=====										
14	2 2	23.0	3850.0	1.0	3920.0	1123.	0.02	0.02	0.44	15.6
15	2 2	16.0	3425.0	27.0	3741.9	1062.	0.40	0.40	0.44	14.7
16	2 2	6.0	2850.0	99.5	3438.1	962.	1.30	1.30	0.43	13.1
=====										

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO LLAUCANO

2/12/79

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2	M	MM	3	3	M/S	(-) L/S/KM

AFLUENTE TINGO MED

16	2 2	6.0	2850.0	99.5	3438.1	962.	1.30	1.30	0.43	13.1
17	2 2	3.0	2595.0	112.8	3401.9	950.	1.70	1.70	0.50	15.1

AFLUENTE TINGO INF

17	2 2	3.0	2595.0	112.8	3401.9	950.	1.70	1.70	0.50	15.1
18	2 2	0.0	2480.0	119.2	3368.5	940.	1.82	1.82	0.51	15.3

AFLUENTE PARAGUARAN

19	2 2	9.0	3325.0	9.0	3380.0	942.	0.22	0.22	0.83	24.7
20	2 2	0.0	2325.0	55.5	3229.2	893.	1.28	1.28	0.82	23.1

AFLUENTE SHUGAR SUP

21	2 2	11.0	2750.0	5.0	3385.0	943.	0.09	0.09	0.62	18.5
22	2 2	4.0	2450.0	70.0	3027.5	829.	1.10	1.10	0.60	15.7

AFLUENTE SHUGAR INF

22	2 2	4.0	2450.0	70.0	3027.5	829.	1.10	1.10	0.60	15.7
23	2 2	0.0	2300.0	75.5	2988.3	822.	1.20	1.20	0.61	15.8

AFLUENTE CHONTA SUP

24	1 1	16.0	3300.0	0.2	3400.0	1216.	0.00	0.00	0.59	22.7
25	1 1	3.0	2900.0	70.6	3001.1	1080.	1.40	1.40	0.58	19.8

AFLUENTE CHONTA INF

25	1 1	3.0	2900.0	70.6	3001.1	1080.	1.40	1.40	0.58	19.8
26	1 1	0.0	1930.0	104.5	2769.1	1053.	1.95	1.95	0.56	18.6

AFLUENTE CONCHAN SUP

27	1 1	22.0	2800.0	0.1	2900.0	1055.	0.01	0.01	1.94	54.8
28	1 1	18.0	2270.0	40.7	2614.7	984.	2.43	2.43	1.91	59.7
29	1 1	16.0	2225.0	51.9	2581.1	984.	3.10	3.10	1.91	59.7

RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
	KM	M	<sup>2</sup> KM	M	MM	<sup>3</sup> M /S	<sup>3</sup> M /S	(-)	<sup>2</sup> L/S/KM

AFLUENTE CONCHAN INF

29	1 1	16.0	2225.0	51.9	2581.1	984.	3.10	3.10	1.91	59.7
30	1 1	10.0	1950.0	212.1	2913.4	1062.	5.97	5.97	0.84	28.1
31	1 1	0.0	1600.0	336.4	2604.7	1050.	8.08	8.08	0.72	24.0

AFLUENTE CUTERVO

32	1 1	40.0	2800.0	0.5	2883.0	1051.	0.01	0.01	0.52	17.2
33	1 1	28.0	2080.0	174.1	2710.5	1008.	2.85	2.85	0.51	16.4
34	1 1	18.0	1725.0	303.9	2663.7	996.	4.91	4.91	0.51	16.2
35	1 1	8.0	1600.0	496.7	2460.8	1003.	8.11	8.11	0.51	16.3
31+ 35		8.0	1600.0	833.1	2518.9	1022.	16.19	16.19	0.60	19.4
36	1 1	0.0	850.0	898.5	2438.0	1035.	17.81	17.81	0.60	19.8

AFLUENTE LLAUCANO A

37	1 1	106.0	4000.0	1.0	4050.0	1433.	0.03	0.03	0.59	26.8
38	1 1	87.0	2810.0	150.6	3405.3	1218.	3.04	3.04	0.52	20.2
2+ 38		87.0	2810.0	207.7	3418.2	1222.	4.21	4.21	0.52	20.3
39	1 1	85.0	2700.0	214.1	3406.3	1218.	4.32	4.32	0.52	20.2
4+ 39		85.0	2700.0	289.3	3408.5	1219.	5.85	5.85	0.52	20.2
40	1 1	81.0	2600.0	314.7	3379.0	1209.	6.30	6.30	0.52	20.0

AFLUENTE LLAUCANO B

40	1 1	81.0	2600.0	314.7	3379.0	1209.	6.30	6.30	0.52	20.0
41	1 1	76.0	2544.0	340.0	3359.5	1202.	6.58	6.58	0.51	19.3
8+ 41		76.0	2544.0	505.5	3332.7	1107.	8.68	8.68	0.49	17.2
42	2 2	75.0	2540.0	507.6	3329.8	1105.	8.70	8.70	0.49	17.1
11+ 42		75.0	2540.0	562.5	3317.3	1110.	9.64	9.64	0.49	17.1
43	2 2	74.0	2535.0	565.8	3313.2	1107.	8.16	9.66	0.49	17.1
13+ 43		74.0	2535.0	589.7	3297.6	1095.	8.34	9.84	0.48	16.7
44	2 2	73.0	2500.0	597.9	3291.6	1091.	8.40	9.90	0.48	16.6

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	KM	M	MM	M /S	M /S	(-)	L/S/KM

AFLUENTE LLAUCANO C

44	2 2	73.0	2500.0	597.9	3291.6	1091.	8.40	9.90	0.48	16.6
45	1 1	71.0	2480.0	604.5	3284.0	1090.	8.57	10.07	0.48	16.7
18+	45	71.0	2480.0	723.7	3297.9	1065.	10.39	11.89	0.49	16.4
46	1 1	65.0	2325.0	819.2	3286.5	1075.	13.36	14.86	0.53	18.1
20+	46	65.0	2325.0	874.7	3282.9	1063.	14.64	16.14	0.55	18.5
47	1 1	64.0	2300.0	884.7	3279.7	1064.	14.93	16.43	0.55	18.6
23+	47	64.0	2300.0	960.2	3256.8	1045.	16.13	17.63	0.55	18.4
43	1 1	63.0	2240.0	976.9	3250.6	1045.	16.60	18.10	0.56	18.5

AFLUENTE LLAUCANO D

48	1 1	63.0	2240.0	976.9	3250.6	1045.	16.60	18.10	0.56	18.5
49	1 1	56.0	1930.0	1011.1	3225.9	1043.	17.14	18.64	0.56	18.4
26+	49	56.0	1930.0	1115.6	3183.1	1044.	19.09	20.59	0.56	18.5
50	1 1	48.0	1850.0	1257.3	3121.3	1037.	21.36	22.86	0.55	18.2
51	1 1	42.0	1600.0	1358.9	3072.7	1034.	22.98	24.48	0.55	18.0
52	1 1	32.0	1300.0	1484.4	2991.3	1033.	25.09	26.59	0.55	17.9
36+	52	32.0	1300.0	2382.9	2782.7	1034.	42.90	44.40	0.57	18.6
53	1 1	22.0	850.0	2494.1	2724.7	1040.	45.51	47.01	0.57	18.9
54	1 1	10.0	650.0	2711.9	2621.9	1052.	50.77	52.27	0.58	19.3
55	1 1	0.0	595.0	2822.6	2574.8	1059.	53.47	54.97	0.58	19.5

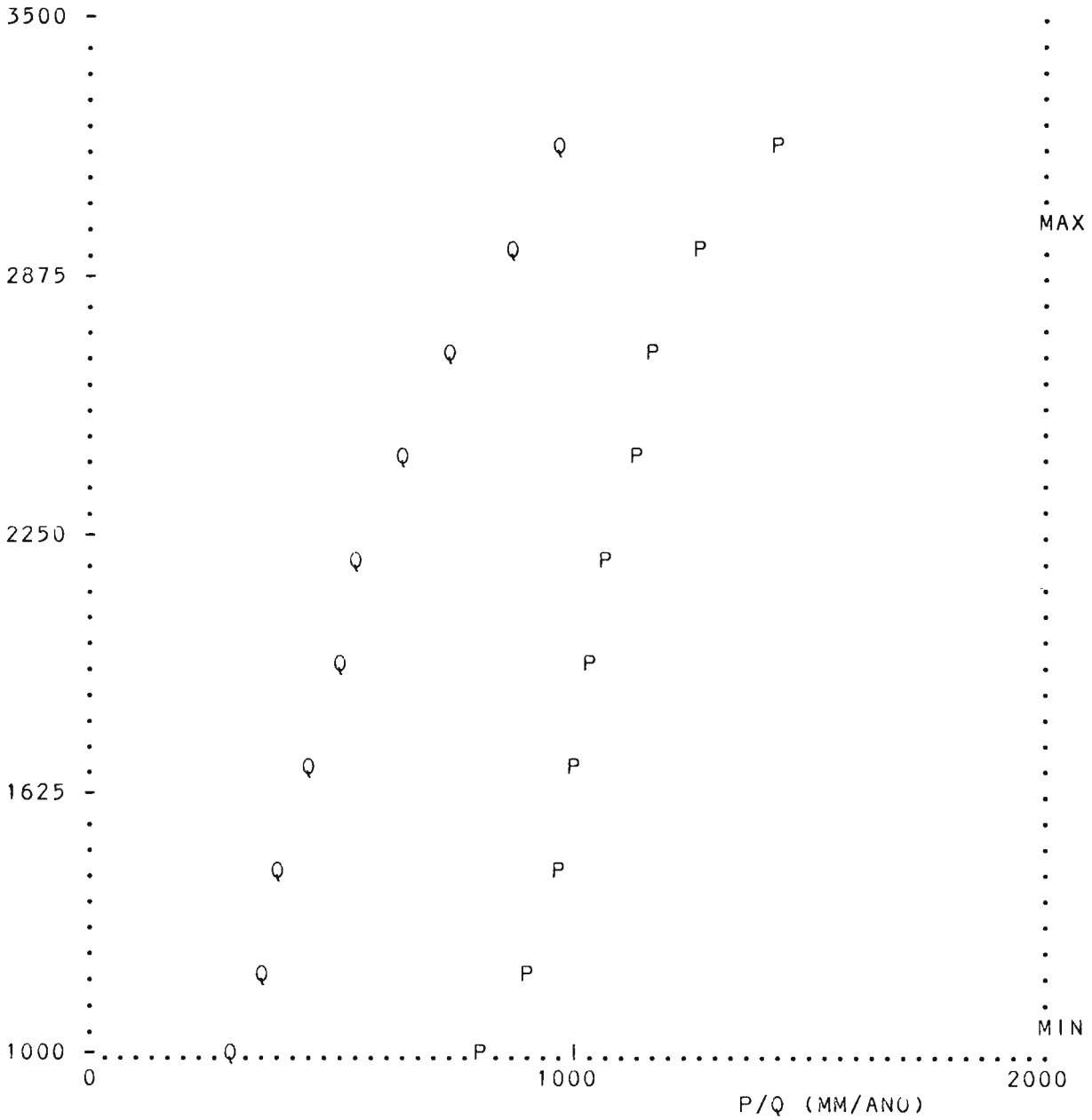
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- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
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- RP = REGIMEN DE PRECIPITACION
- RE = REGIMEN DE ESCURRIMIENTO

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* CUENCA DEL RIO CHAMAYA : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 3017. : AMIN = 1065. *
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ALTURA (M.S.N.M.)



A :	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250
Q :	320	380	420	480	540	600	680	800	920	1030
P :	840	950	1010	1050	1080	1120	1170	1230	1330	1500
K :	.381	.400	.416	.457	.500	.536	.581	.650	.692	.687



I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	KM	M	MM	M /S	M /S	(-)	L/S/KM

AFLUENTE CALLAYUC

1	1 1	16.0	2000.0	10.0	2200.0	1112.	0.19	0.19	0.53	18.6
2	1 1	0.0	950.0	100.0	1709.5	1043.	1.49	1.49	0.45	14.9

AFLUENTE STA CRUZ

3	1 1	23.0	2700.0	10.0	2955.0	1312.	0.28	0.28	0.68	28.5
4	1 1	7.0	950.0	210.0	1783.6	1059.	3.29	3.29	0.47	15.7
2+	4	7.0	950.0	310.0	1759.7	1053.	4.78	4.78	0.46	15.4
5	1 1	0.0	750.0	370.0	1681.6	1038.	5.51	5.51	0.45	14.9

AFLUENTE COCO

6	1 1	20.0	2000.0	20.0	2300.0	1130.	0.39	0.39	0.55	19.5
7	1 1	0.0	705.0	220.0	1492.7	1002.	2.96	2.96	0.42	13.5

AFLUENTE ANTA

8	1 1	16.0	2850.0	40.0	3017.0	1342.	1.78	1.78	1.05	44.5
9	1 1	0.0	1700.0	210.0	2494.9	1182.	6.99	6.99	0.89	33.3

AFLUENTE BUTO SUP

10	1 1	16.0	1950.0	30.0	2050.0	1088.	0.56	0.56	0.55	18.8
11	1 1	6.0	1500.0	110.0	2082.0	1093.	2.10	2.10	0.55	19.1

AFLUENTE BUTO INF

11	1 1	6.0	1500.0	110.0	2082.0	1093.	2.10	2.10	0.55	19.1
12	1 1	0.0	950.0	250.0	1814.9	1056.	2.77	2.77	0.33	11.1

AFLUENTE BARBASCO SUP

13	1 1	16.0	1950.0	10.0	2050.0	1088.	0.15	0.15	0.42	14.6
14	1 1	5.0	1450.0	90.0	1857.1	1063.	0.20	1.20	0.40	13.3

AFLUENTE BARBASCO INF

14	1 1	5.0	1450.0	90.0	1857.1	1063.	0.20	1.20	0.40	13.3
15	1 1	0.0	840.0	110.0	1746.4	1042.	0.28	1.28	0.35	11.6

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO CHAMAYA

2/12/79

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM

AFLUENTE CHONTALI °A°

16	1 1	42.0	2900.0	20.0	2900.0	1290.	0.84	0.84	1.02	41.8
17	1 1	22.0	1700.0	290.0	2481.0	1159.	9.43	9.43	0.88	32.5
9+ 17		22.0	1700.0	500.0	2486.8	1174.	16.42	16.42	0.88	32.8
18	1 1	12.0	950.0	840.0	2174.0	1122.	24.10	24.10	0.81	28.7

AFLUENTE CHONTALI °B°

18	1 1	12.0	950.0	840.0	2174.0	1122.	24.10	24.10	0.81	28.7
19	1 1	10.0	900.0	870.0	2145.3	1117.	24.23	24.23	0.79	27.8
12+ 19		10.0	900.0	1120.0	2071.9	1103.	27.00	27.00	0.69	24.1
20	1 1	6.0	840.0	1220.0	2027.9	1096.	27.46	27.46	0.65	22.5
15+ 20		6.0	840.0	1330.0	2004.6	1092.	27.74	28.74	0.62	21.6
21	1 1	3.0	710.0	1390.0	1979.2	1087.	28.00	29.00	0.61	20.9

AFLUENTE CHONTALI °C°

21	1 1	3.0	710.0	1390.0	1979.2	1087.	28.00	29.00	0.61	20.9
22	1 1	0.0	660.0	1590.0	1910.6	1075.	30.60	31.60	0.53	19.9

AFLUENTE CHAMAYA SUP

23	1 1	48.0	840.0	260.0	1438.0	995.	61.62	7.32	0.89	28.2
24	1 1	41.0	800.0	410.0	1363.4	976.	65.50	11.20	0.88	27.3

AFLUENTE CHAMAYA INF

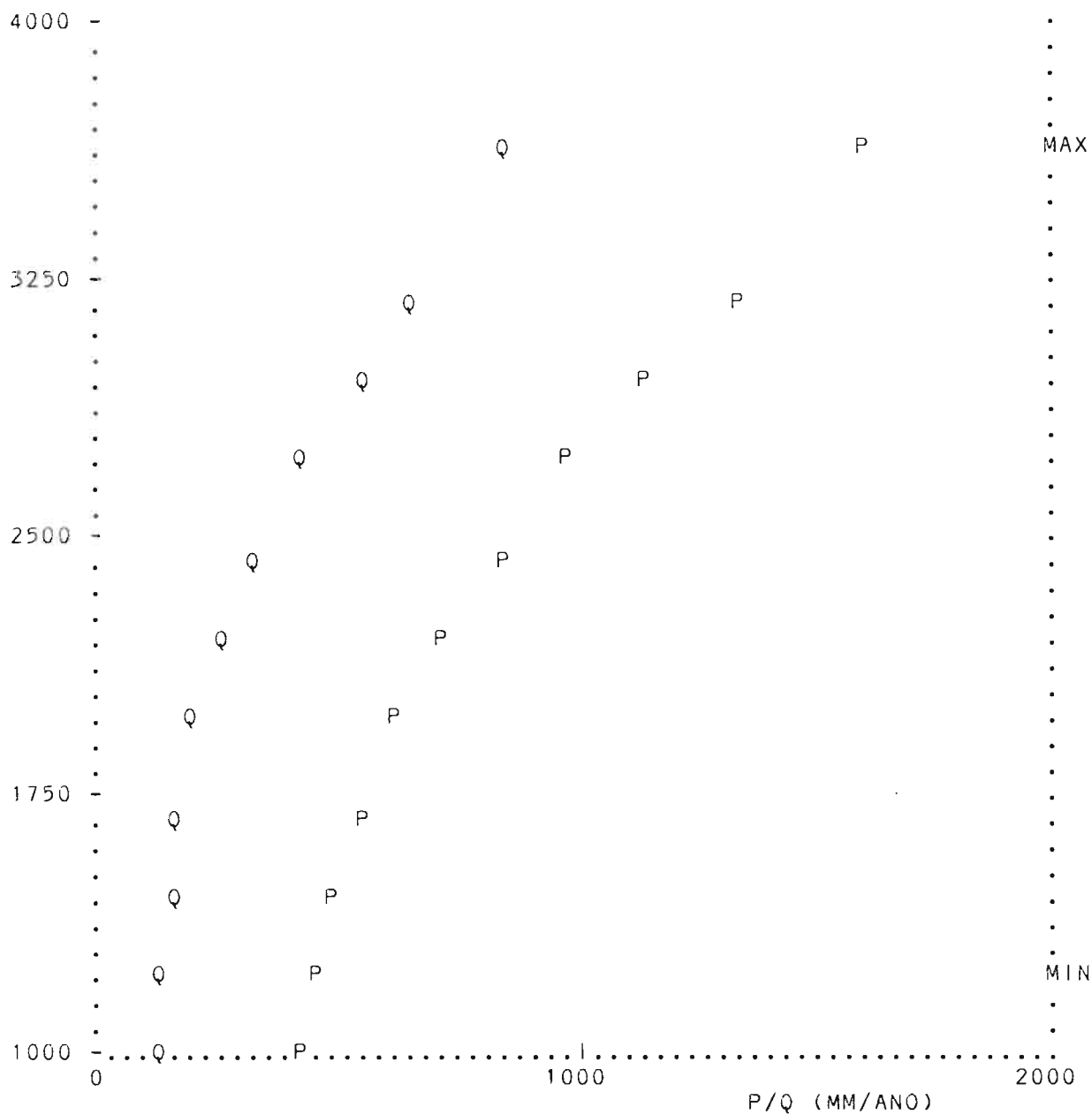
24	1 1	41.0	800.0	410.0	1363.4	976.	65.50	11.20	0.88	27.3
25	1 1	33.0	750.0	590.0	1395.3	984.	67.87	13.57	0.74	23.0
5+ 25		33.0	750.0	960.0	1505.6	1005.	73.38	19.08	0.62	19.9
26	1 1	30.0	705.0	990.0	1492.3	1001.	73.70	19.40	0.62	19.6
7+ 26		30.0	705.0	1210.0	1492.4	1001.	76.67	22.37	0.53	18.5
27	1 1	25.0	660.0	1300.0	1481.5	999.	77.79	23.49	0.57	18.1
22+ 27		25.0	660.0	2890.0	1717.6	1041.	108.39	55.09	0.58	19.1
28	1 1	20.0	610.0	3090.0	1698.6	1038.	110.97	57.67	0.57	18.7
29	1 1	0.0	500.0	3380.0	1682.3	1035.	114.86	61.56	0.55	18.2

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*****
* CUENCA DEL RIO HUANCABAMBA : REGIMEN # 1
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A)
* AMAX = 3700. : AMIN = 1280.
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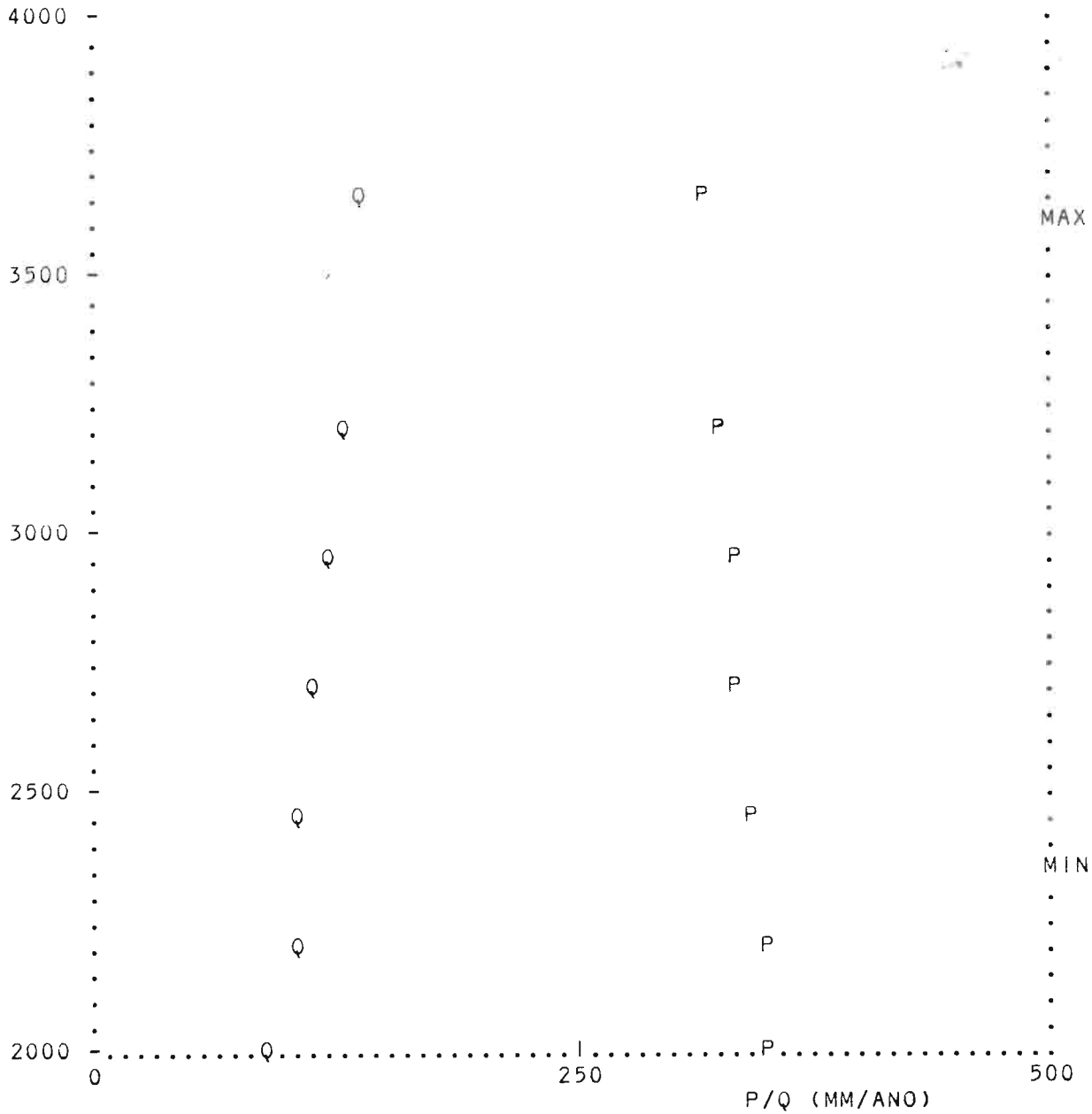
ALTURA (M.S.N.M.)



A :	0	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3700
Q :	90	100	110	130	140	150	170	190	220	280	350	440	580	700	880
P :	400	410	430	450	460	470	510	570	640	750	880	1020	1200	1400	1640
K :	.225	.244	.256	.289	.304	.319	.333	.333	.344	.373	.398	.431	.483	.500	.537

\*\*\*\*\*  
 \* CUENCA DEL RIO HUANCABAMBA : REGIMEN # 2 \*  
 \* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) \*  
 \* AMAX = 3650. : AMIN = 2357. \*  
 \*\*\*\*\*

ALTURA (M.S.N.M.)



A :	0	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3700
Q :	100	100	100	100	100	100	100	100	100	110	115	120	130	135	150
P :	365	365	365	365	365	365	365	365	365	360	355	350	345	340	330
K :	.274	.274	.274	.274	.274	.274	.274	.274	.274	.306	.324	.343	.377	.397	.455

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO HUANCABAMBA 2/ 8/79

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	KM	M	MM	M /S	M /S	(-)	L/S/KM

AFLUENTE CHORRO

1	1 1	11.0	3350.0	0.7	3477.0	1521.	0.02	0.02	0.63	30.2
2	1 1	0.0	2650.0	45.2	3147.2	1317.	1.12	1.12	0.59	24.8

AFLUENTE QDA GRANDE

3	1 1	15.0	2700.0	0.5	2833.0	1080.	0.01	0.01	0.54	18.6
4	1 1	10.0	2230.0	18.7	2707.4	997.	0.30	0.30	0.51	16.2
5	1 1	0.0	1600.0	59.5	2422.6	842.	0.76	0.76	0.48	12.7

AFLUENTE HUARMARCA

6	1 1	25.0	2400.0	0.7	2500.0	880.	0.01	0.01	0.48	13.4
7	1 1	20.0	2045.0	12.4	2231.1	743.	0.13	0.13	0.45	10.5
8	1 1	12.0	1600.0	79.0	2113.8	690.	0.75	0.75	0.43	9.4
5+	8	12.0	1600.0	138.5	2246.5	756.	1.50	1.50	0.45	10.9
9	1 1	0.0	1252.0	191.6	2152.1	716.	1.93	1.93	0.44	10.1

AFLUENTE PIQUIJACA

10	1 1	24.0	3000.0	1.1	3200.0	1360.	0.01	0.01	0.31	13.3
11	1 1	20.0	2200.0	24.9	2817.7	1069.	0.23	0.23	0.28	9.4
12	1 1	10.0	1550.0	91.2	2254.5	771.	0.53	0.53	0.24	5.9
13	1 1	0.0	1185.0	193.6	1917.3	648.	0.90	0.90	0.23	4.6

AFLUENTE YERMA SUP

14	2 2	28.0	3550.0	0.9	3650.0	331.	0.00	0.00	0.44	4.6
15	2 2	22.0	2900.0	25.9	3288.0	339.	0.11	0.11	0.40	4.3
16	2 2	12.0	2050.0	175.7	2809.7	349.	0.67	0.67	0.34	3.8
17	2 2	2.0	1170.0	270.2	2651.4	352.	1.00	1.00	0.33	3.7

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	KM	M	MM	M /S	M /S	(-)	L/S/KM

AFLUENTE YERMA INF

17	2 2	2.0	1170.0	270.2	2651.4	352.	1.00	1.00	0.33	3.7
18	1 1	0.0	1065.0	275.5	2628.5	355.	1.11	1.11	0.36	4.0

AFLUENTE CANARIACOSUP

19	1 1	26.0	3400.0	0.5	3600.0	1587.	0.02	0.02	0.66	33.0
20	1 1	22.0	2825.0	17.5	3216.3	1370.	0.47	0.47	0.62	26.8
21	1 1	12.0	2090.0	69.5	2896.6	1129.	1.41	1.41	0.57	20.3
22	1 1	2.0	1400.0	130.7	2523.1	921.	2.00	2.00	0.52	15.3

AFLUENTE CANARIACOINF

22	1 1	2.0	1400.0	130.7	2523.1	921.	2.00	2.00	0.52	15.3
23	1 1	0.0	1015.0	133.3	2505.2	913.	2.06	2.06	0.53	15.4

AFLUENTE QUISMALACHEA

24	1 1	27.0	3400.0	0.7	3500.0	1533.	0.02	0.02	0.56	27.4
25	1 1	12.0	1480.0	139.3	2495.1	878.	1.66	1.66	0.43	12.0
26	1 1	2.0	1045.0	266.1	2150.5	734.	2.50	2.50	0.40	9.4

AFLUENTE QUISMALACHEB

26	1 1	2.0	1045.0	266.1	2150.5	734.	2.50	2.50	0.40	9.4
27	1 1	0.0	985.0	273.1	2133.1	728.	2.64	2.64	0.42	9.7

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO HUANCABAMBA

2/ 8/79

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM

AFLUENTE HUANCABAMBAA

28	1 1	145.0	3600.0	0.6	3700.0	1640.	0.02	0.02	0.65	33.6
29	1 1	134.0	2650.0	31.0	3264.6	1408.	0.84	0.84	0.60	26.9
2+ 29		134.0	2650.0	76.2	3195.0	1354.	1.96	1.96	0.60	25.7
30	1 1	127.0	2175.0	200.3	2965.7	1180.	4.24	4.24	0.57	21.2
31	1 1	117.0	2147.0	415.3	2855.1	1098.	7.86	7.86	0.54	18.9
32	1 1	107.0	1747.0	571.2	2753.0	1036.	9.91	9.91	0.53	17.4
33	1 1	97.0	1508.0	740.0	2641.9	973.	11.75	11.75	0.51	15.9
34	1 1	87.0	1495.0	942.2	2535.7	915.	13.72	13.72	0.50	14.6
35	1 1	78.0	1420.0	1028.8	2501.6	897.	14.55	14.55	0.50	14.1
36	1 1	68.0	1330.0	1178.4	2452.5	871.	15.96	15.96	0.49	13.5
37	1 1	58.0	1252.0	1408.6	2370.9	831.	17.84	17.84	0.48	12.7
9+ 37		58.0	1252.0	1600.2	2344.7	817.	19.77	19.77	0.48	12.4
38	1 1	53.0	1220.0	1673.6	2317.9	806.	20.30	20.30	0.47	12.1

AFLUENTE HUANCABAMBAB

38	1 1	53.0	1220.0	1673.6	2317.9	806.	20.30	20.30	0.47	12.1
39	1 1	46.0	1184.0	1885.0	2251.4	779.	21.08	21.08	0.45	11.2
13+ 39		46.0	1184.0	2078.6	2220.3	767.	21.98	21.98	0.43	10.6
40	1 1	34.0	1100.0	2271.4	2180.2	750.	22.70	22.70	0.42	10.0

AFLUENTE HUANCABAMBAC

40	1 1	34.0	1100.0	2271.4	2180.2	750.	22.70	22.70	0.42	10.0
41	1 1	30.0	1065.0	2374.6	2160.9	742.	25.03	25.03	0.45	10.5
18+ 41		30.0	1065.0	2650.1	2209.5	702.	26.13	26.13	0.44	9.9
42	1 1	24.0	1015.0	2700.6	2192.1	698.	27.05	27.05	0.45	10.0
23+ 42		24.0	1015.0	2833.9	2206.9	703.	29.11	29.11	0.46	10.3
43	1 1	20.0	985.0	2848.7	2203.3	707.	29.41	29.41	0.46	10.3
27+ 43		20.0	985.0	3121.8	2197.2	709.	32.05	32.05	0.46	10.3
44	1 1	19.0	970.0	3129.0	2195.6	708.	32.20	32.20	0.46	10.3

AFLUENTE HUANCAMBAD

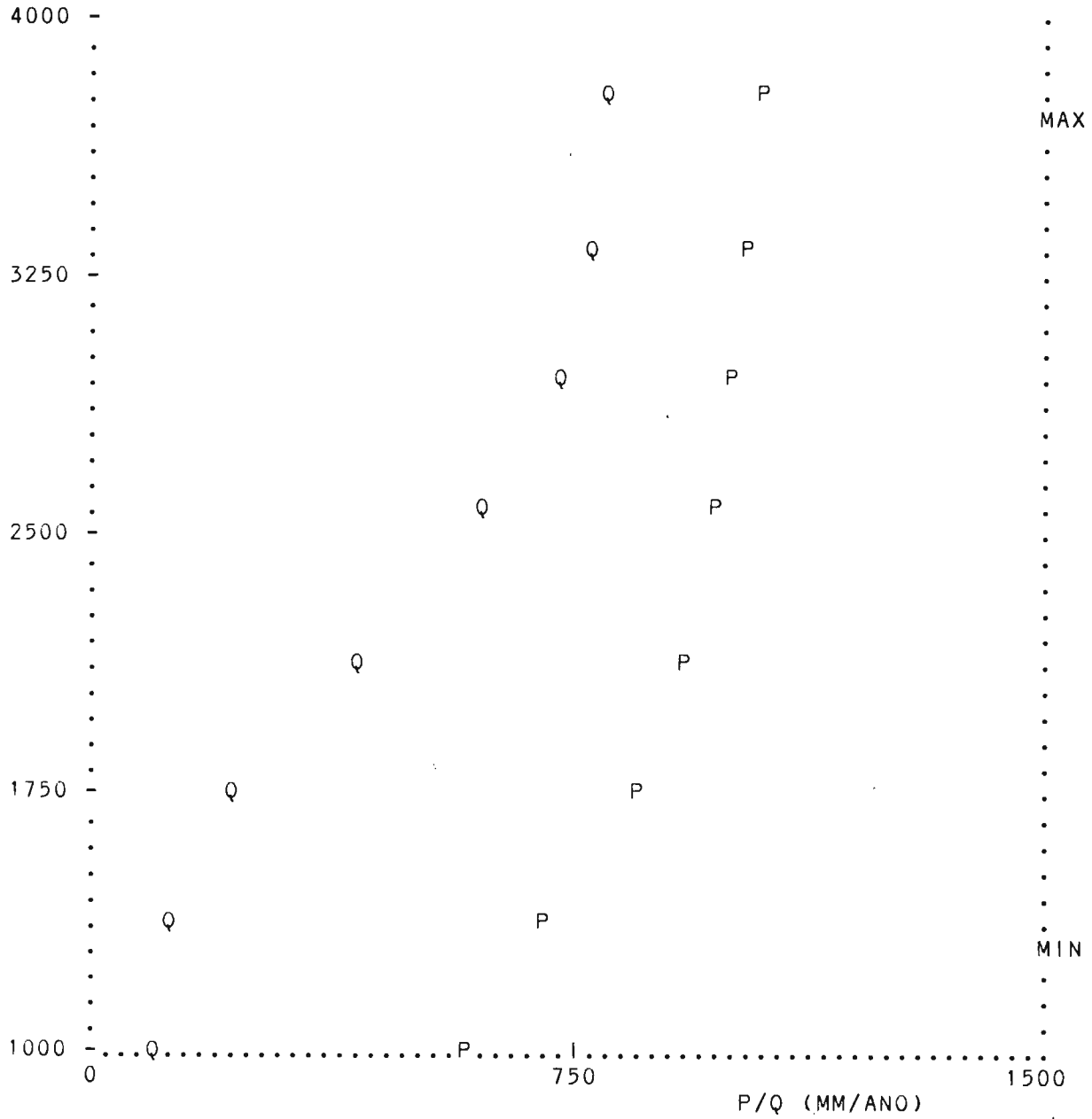
44	1 1	19.0	970.0	3129.0	2195.6	708.	32.20	32.20	0.46	10.3
45	1 1	10.0	915.0	3327.5	2148.3	695.	33.22	33.22	0.45	10.0
46	1 1	0.0	855.0	3448.3	2122.4	688.	33.84	33.84	0.45	9.8

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*****
* CUENCA DEL RIO CHOTANO : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 3725. : AMIN = 1341. *
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ALTURA (M.S.N.M.)



A :	1000	1400	1800	2200	2600	3000	3400	3800
Q :	120	150	250	430	650	770	810	850
P :	610	730	880	970	1020	1050	1070	1100
K :	.197	.205	.284	.443	.637	.733	.757	.773

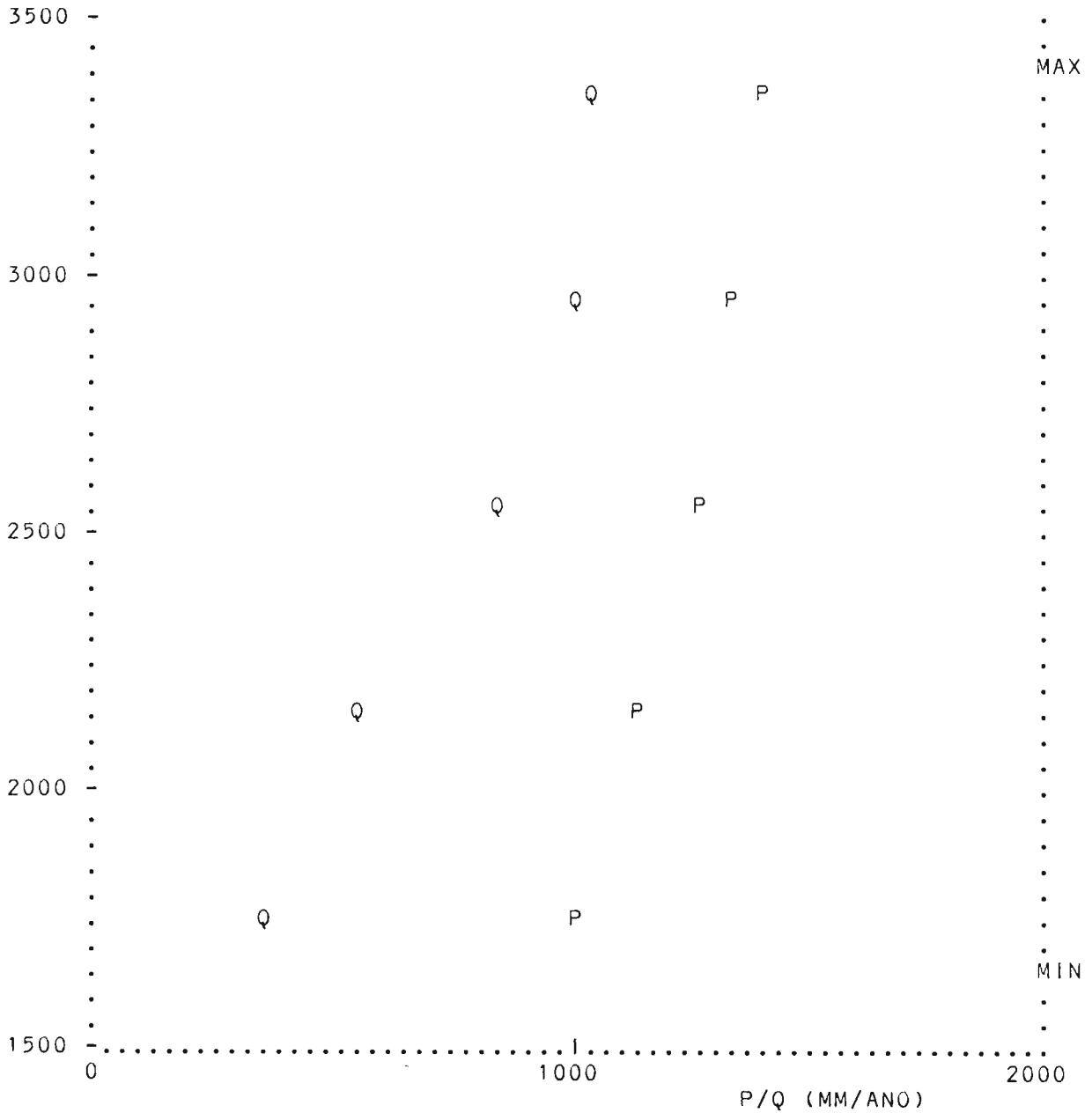


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* CUENCA DEL RIO CHOTANO : REGIMEN # 2 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 3450. : AMIN = 1664. *
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ALTURA (M.S.N.M.)



A :	1000	1400	1800	2200	2600	3000	3400	3800
Q :	180	240	400	600	900	1050	1070	1110
P :	700	860	1060	1200	1310	1400	1450	1500
K :	.257	.279	.377	.500	.687	.750	.738	.740

1	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2	M	MM	3	3	(-)	2
				KM	M		M /S	M /S		L/S/KM

AFLUENTE CHONGOYAP.A

1	2 2	16.0	3350.0	1.4	3400.0	1450.	0.06	0.06	0.87	39.9
2	2 2	4.0	1500.0	96.9	2785.0	1351.	3.50	3.50	0.84	36.1

AFLUENTE CHONGOYAP.B

2	2 2	4.0	1500.0	96.9	2785.0	1351.	3.50	3.50	0.84	36.1
3	2 2	0.0	1260.0	110.6	2648.1	1308.	3.63	3.63	0.79	32.8

AFLUENTE CALUCAN SUP

4	2 2	20.0	3200.0	3.0	3400.0	1450.	0.10	0.10	0.76	34.8
5	2 2	5.0	1450.0	95.9	2689.9	1329.	2.90	2.90	0.72	30.2

AFLUENTE CALUCAN INF

5	2 2	5.0	1450.0	95.9	2689.9	1329.	2.90	2.90	0.72	30.2
6	1 1	0.0	1050.0	112.1	2563.2	1265.	2.95	2.95	0.66	26.3

AFLUENTE PALTIC SUP

7	2 2	31.0	3400.0	0.3	3450.0	1456.	0.01	0.01	0.61	28.3
8	2 2	21.0	1920.0	79.7	2835.3	1363.	2.07	2.07	0.60	26.0
3+ 8		21.0	1920.0	190.3	2726.5	1331.	5.70	5.70	0.71	30.0
9	2 2	11.0	1260.0	258.6	2558.2	1286.	6.68	6.68	0.63	25.8
10	2 2	6.0	1120.0	282.9	2481.3	1261.	6.90	6.90	0.61	24.4

AFLUENTE PALTIC INF

10	2 2	6.0	1120.0	282.9	2481.3	1261.	6.90	6.90	0.61	24.4
6+ 10		6.0	1120.0	395.0	2504.6	1262.	9.85	9.85	0.62	24.9
11	1 1	3.0	1050.0	450.2	2434.1	1219.	10.05	10.05	0.58	22.3
12	1 1	0.0	1000.0	455.6	2421.2	1213.	10.06	10.06	0.57	22.1

AFLUENTE SAUCES SUP

13	1 1	25.0	3500.0	1.8	3725.0	1094.	0.05	0.05	0.88	30.5
14	1 1	15.0	2075.0	53.2	2905.7	1043.	1.42	1.42	0.81	26.7
15	1 1	5.0	1125.0	139.2	2356.0	972.	2.50	2.50	0.58	18.0

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO CHOTANO

2/ 8/79

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM

AFLUENTE SAUCES INF

15	1 1	5.0	1125.0	139.2	2356.0	972.	2.50	2.50	0.58	18.0
16	1 1	0.0	890.0	166.3	2226.5	943.	2.56	2.56	0.52	15.4

AFLUENTE CHOTANO A

17	2 2	91.0	3150.0	5.1	3337.0	1442.	0.17	0.17	0.74	33.8
18	2 2	77.0	2210.0	241.3	2936.6	1385.	7.84	7.84	0.74	32.5
19	1 1	70.0	2070.0	368.7	2858.3	1262.	6.40	10.60	0.72	28.7

AFLUENTE CHOTANO B

19	1 1	70.0	2070.0	368.7	2858.3	1262.	6.40	10.60	0.72	28.7
20	1 1	55.0	1700.0	510.6	2699.0	1184.	7.67	11.87	0.62	23.3
21	1 1	45.0	1500.0	611.7	2579.3	1140.	6.30	12.50	0.57	20.4

AFLUENTE CHOTANO C

21	1 1	45.0	1500.0	611.7	2579.3	1140.	6.30	12.50	0.57	20.4
22	1 1	35.0	1275.0	742.8	2486.3	1104.	6.86	13.06	0.50	17.6
23	1 1	27.0	1125.0	839.7	2421.0	1081.	7.21	13.41	0.47	16.0
24	1 1	17.0	1000.0	926.5	2356.5	1060.	7.44	13.64	0.44	14.7
12+ 24		17.0	1000.0	1382.1	2377.8	1110.	17.50	23.70	0.49	17.1
25	1 1	5.0	890.0	1509.0	2316.9	1086.	17.82	24.02	0.46	15.9
16+ 25		5.0	890.0	1675.3	2308.0	1072.	20.38	26.58	0.47	15.9
26	1 1	2.0	875.0	1685.7	2302.5	1070.	20.40	26.60	0.47	15.8

AFLUENTE CHOTANO D

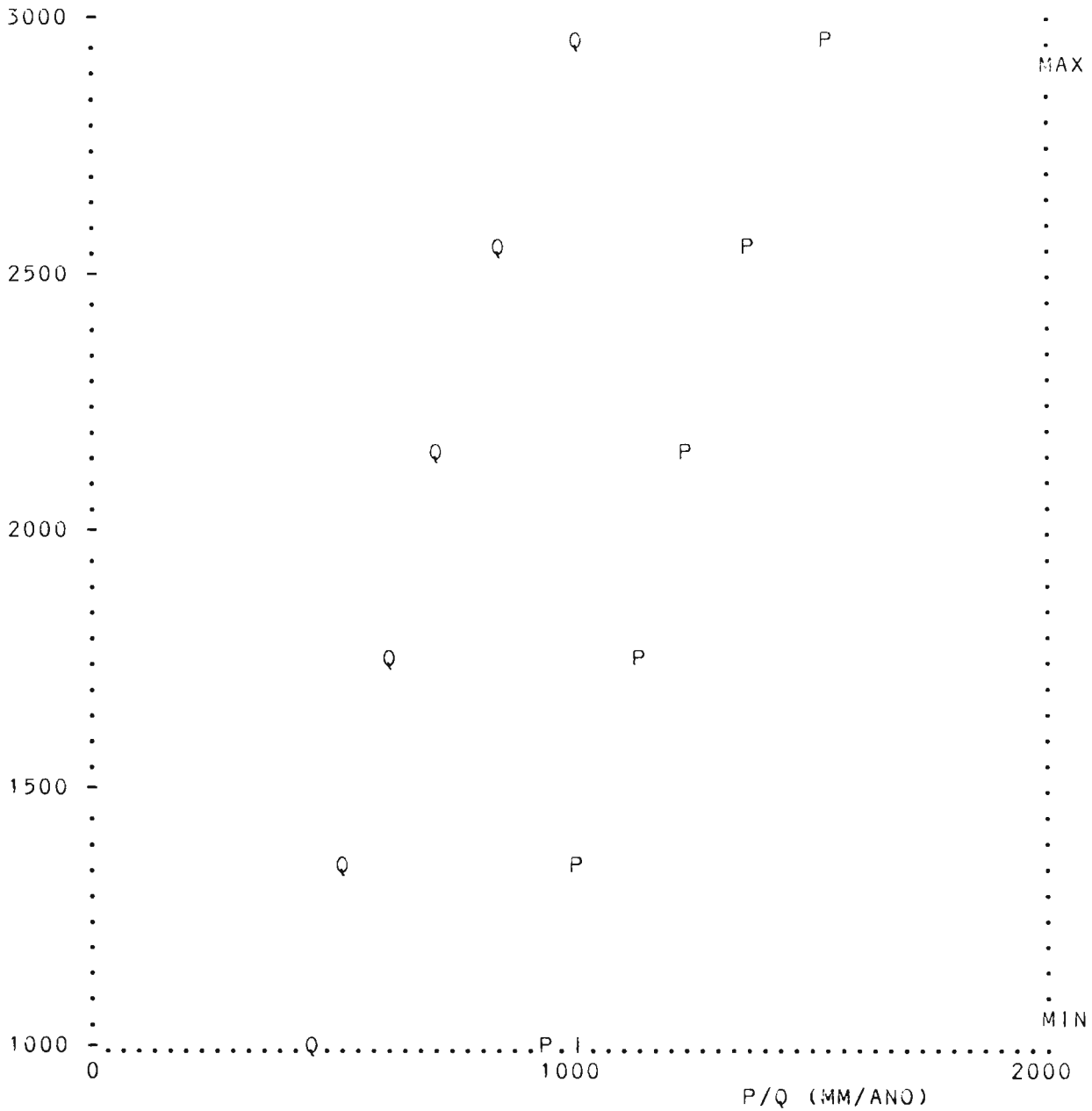
26	1 1	2.0	875.0	1685.7	2302.5	1070.	20.40	26.60	0.47	15.8
27	1 1	0.0	860.0	1694.2	2297.7	1068.	20.44	26.64	0.46	15.7

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* CUENCA DEL RIO CHINCHIPE : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 2950. : AMIN = 1079. *
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ALTURA (M.S.N.M.)



A :	0	500	1000	1400	1800	2200	2600	3000	3400
Q :	400	400	490	550	640	750	900	1050	1200
P :	900	900	980	1050	1200	1300	1410	1600	1750
K :	.444	.444	.500	.524	.533	.577	.638	.656	.686

I	RP/RE	L	H	AA	Hm	PREC	QM	QN	CEAT	RQT
		KM	M	<sup>2</sup> KM	M	MM	<sup>3</sup> M /S	<sup>3</sup> M /S	(-)	<sup>2</sup> L/S/KM
AFLUENTE ISIMACHE										
1	1 1	40.0	1100.0	50.0	1517.0	1094.	0.91	0.91	0.53	18.3
2	1 1	20.0	960.0	350.0	1291.6	1034.	5.94	5.94	0.52	17.0
3	1 1	0.0	820.0	550.0	1261.9	1028.	9.24	9.24	0.52	16.8
AFLUENTE BLANCO										
4	1 1	22.0	2950.0	10.0	2950.0	1576.	0.33	0.33	0.65	32.7
5	1 1	0.0	1000.0	110.0	2416.4	1366.	2.90	2.90	0.61	26.4
AFLUENTE CANCHIS										
6	1 1	40.0	2800.0	10.0	2800.0	1505.	0.31	0.31	0.65	30.9
7	1 1	20.0	1000.0	370.0	2274.6	1322.	9.13	9.13	0.59	24.7
5+	7	20.0	1000.0	480.0	2307.1	1332.	12.03	12.03	0.59	25.1
8	1 1	0.0	750.0	750.0	1998.5	1237.	16.83	16.83	0.57	22.4
AFLUENTE SANFRANCISCO										
9	1 1	21.0	2650.0	30.0	2825.0	1517.	0.94	0.94	0.65	31.2
10	1 1	0.0	680.0	140.0	1835.8	1199.	2.99	2.99	0.56	21.3
AFLUENTE STAAGUEDA										
11	1 1	21.0	1900.0	20.0	2000.0	1250.	0.44	0.44	0.56	22.0
12	1 1	0.0	760.0	590.0	1711.1	1166.	11.61	11.61	0.53	19.7
AFLUENTE CHIRINOS										
13	1 1	65.0	1400.0	20.0	1600.0	1125.	0.38	0.38	0.53	18.9
14	1 1	37.0	760.0	235.0	1364.0	1047.	4.07	4.07	0.52	17.3
12+	14	37.0	760.0	825.0	1612.2	1132.	15.67	15.67	0.53	19.0
15	1 1	20.0	600.0	1105.0	1500.7	1101.	20.25	20.25	0.52	18.3
16	1 1	0.0	488.0	1585.0	1452.3	1083.	28.49	28.49	0.52	18.0
AFLUENTE SHUMBA										
17	1 1	21.0	1950.0	50.0	1985.0	1246.	1.10	1.10	0.55	21.9
18	1 1	0.0	455.0	310.0	1293.9	1047.	5.33	5.33	0.52	17.2

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM
AFLUENTE CHINCHIPE										
19	1 1	145.0	1500.0	40.0	1843.0	1211.	0.83	0.83	0.54	20.7
20	1 1	115.0	1250.0	470.0	1467.0	1075.	8.42	8.42	0.53	17.9
21	1 1	95.0	900.0	1810.0	1413.0	1056.	31.76	31.76	0.52	17.5
3+ 21		95.0	900.0	2360.0	1377.7	1049.	41.00	41.00	0.52	17.4
22	1 1	85.0	780.0	2770.0	1348.9	1044.	47.73	47.73	0.52	17.2
8+ 22		85.0	780.0	3520.0	1487.3	1085.	64.56	64.56	0.53	18.3
23	1 1	75.0	680.0	3630.0	1477.3	1083.	66.35	66.35	0.53	18.3
10+ 23		75.0	680.0	3770.0	1490.6	1087.	69.34	69.34	0.53	18.4
24	1 1	65.0	600.0	3900.0	1482.0	1085.	71.50	71.50	0.53	18.3
25	1 1	45.0	488.0	4480.0	1482.4	1084.	81.97	81.97	0.53	18.3
16+ 25		45.0	488.0	6065.0	1474.5	1084.	110.46	110.46	0.53	18.2
26	1 1	32.0	475.0	6425.0	1462.8	1081.	202.51	116.51	0.53	18.1
27	1 1	20.0	455.0	6635.0	1451.6	1078.	205.88	119.88	0.53	18.1
18+ 27		20.0	455.0	6945.0	1444.6	1077.	211.21	125.21	0.53	18.0
28	1 1	0.0	440.0	7155.0	1433.8	1074.	214.55	128.55	0.53	18.0

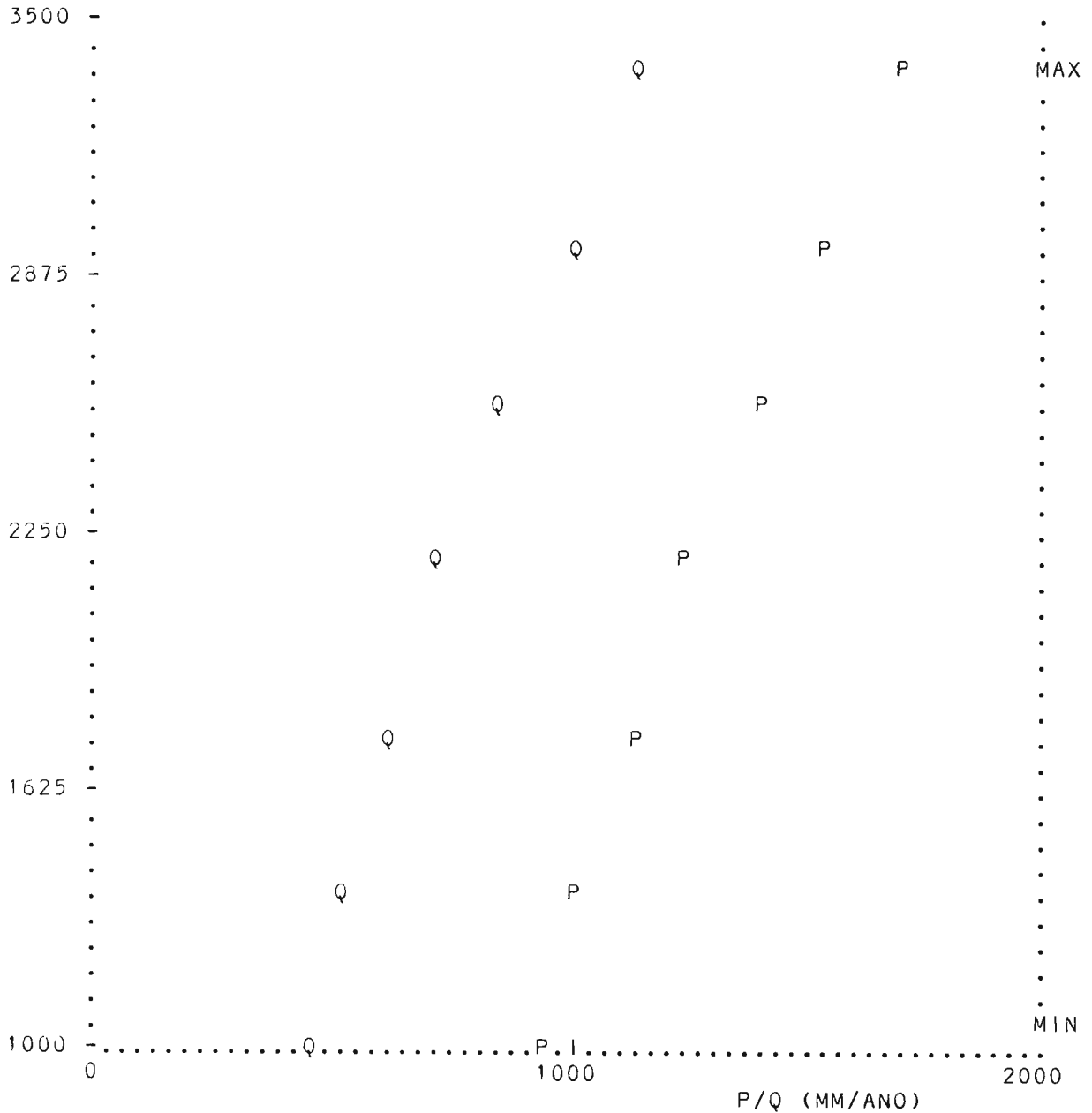
- I = NUMERO DEL PUNTO
- L = KILOMETRAJE
- H = ELEVACION DEL PUNTO
- AA = AREA TOTAL DE LA CUENCA HASTA EL PUNTO
- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
- PREC = PRECIPITACION MEDIA SOBRE TODA LA CUENCA HASTA EL PUNTO
- QM = CAUDAL MEDIO EN EL PUNTO
- QN = CAUDAL NATURAL EN EL PUNTO
- CEAT = COEFICIENTE DE ESCURRIMIENTO DE TODA LA CUENCA HASTA EL PUNTO
- RQT = RENDIMIENTO DE TODA LA CUENCA HASTA EL PUNTO
- RP = REGIMEN DE PRECIPITACION
- RE = REGIMEN DE ESCURRIMIENTO

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*****
* CUENCA DEL RIO TABACONAS : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 3392. : AMIN = 1109. *
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ALTURA (M.S.N.M.)



A :	0	500	1000	1400	1800	2200	2600	3000	3400
Q :	400	400	490	550	640	750	900	1050	1200
P :	900	900	980	1050	1200	1300	1450	1600	1750
K :	.444	.444	.500	.524	.533	.577	.621	.656	.686

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM

AFLUENTE MANCHARASUP

1	1 1	20.0	3000.0	14.0	3392.0	1747.	0.47	0.47	0.61	33.7
2	1 1	10.0	2000.0	40.0	2548.3	1439.	1.00	1.00	0.55	25.0

AFLUENTE MANCHARA INF

2	1 1	10.0	2000.0	40.0	2548.3	1439.	1.00	1.00	0.55	25.0
3	1 1	0.0	1500.0	90.0	2156.5	1312.	2.25	2.25	0.60	25.0

AFLUENTE ANANUALLA

4	1 1	40.0	2950.0	10.0	2975.0	1591.	0.33	0.33	0.65	33.0
5	1 1	20.0	1700.0	170.0	2690.8	1484.	5.04	5.04	0.63	29.6
6	1 1	0.0	1100.0	430.0	2347.5	1361.	11.04	11.04	0.60	25.7

AFLUENTE HUAHUALLA

7	1 1	24.0	2250.0	15.0	2708.0	1490.	0.45	0.45	0.63	29.8
8	1 1	10.0	1600.0	335.0	2380.4	1368.	8.69	8.69	0.60	25.9
9	1 1	0.0	1050.0	755.0	2069.7	1277.	17.29	17.29	0.57	22.9

AFLUENTE GRANADILLA

10	1 1	20.0	2950.0	12.0	3150.0	1656.	0.42	0.42	0.67	35.1
11	1 1	10.0	1650.0	202.0	2434.2	1388.	5.37	5.37	0.60	26.6
12	1 1	0.0	750.0	252.0	2180.8	1312.	6.18	6.18	0.59	24.5

AFLUENTE ALTOMANCHARA

13	1 1	18.0	1933.0	40.0	1950.0	1237.	0.86	0.86	0.55	21.6
14	1 1	8.0	1300.0	200.0	1864.4	1216.	4.17	4.17	0.54	20.9
15	1 1	0.0	680.0	270.0	1679.2	1162.	5.31	5.31	0.53	19.7



CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO TABACONAS

1/17/79

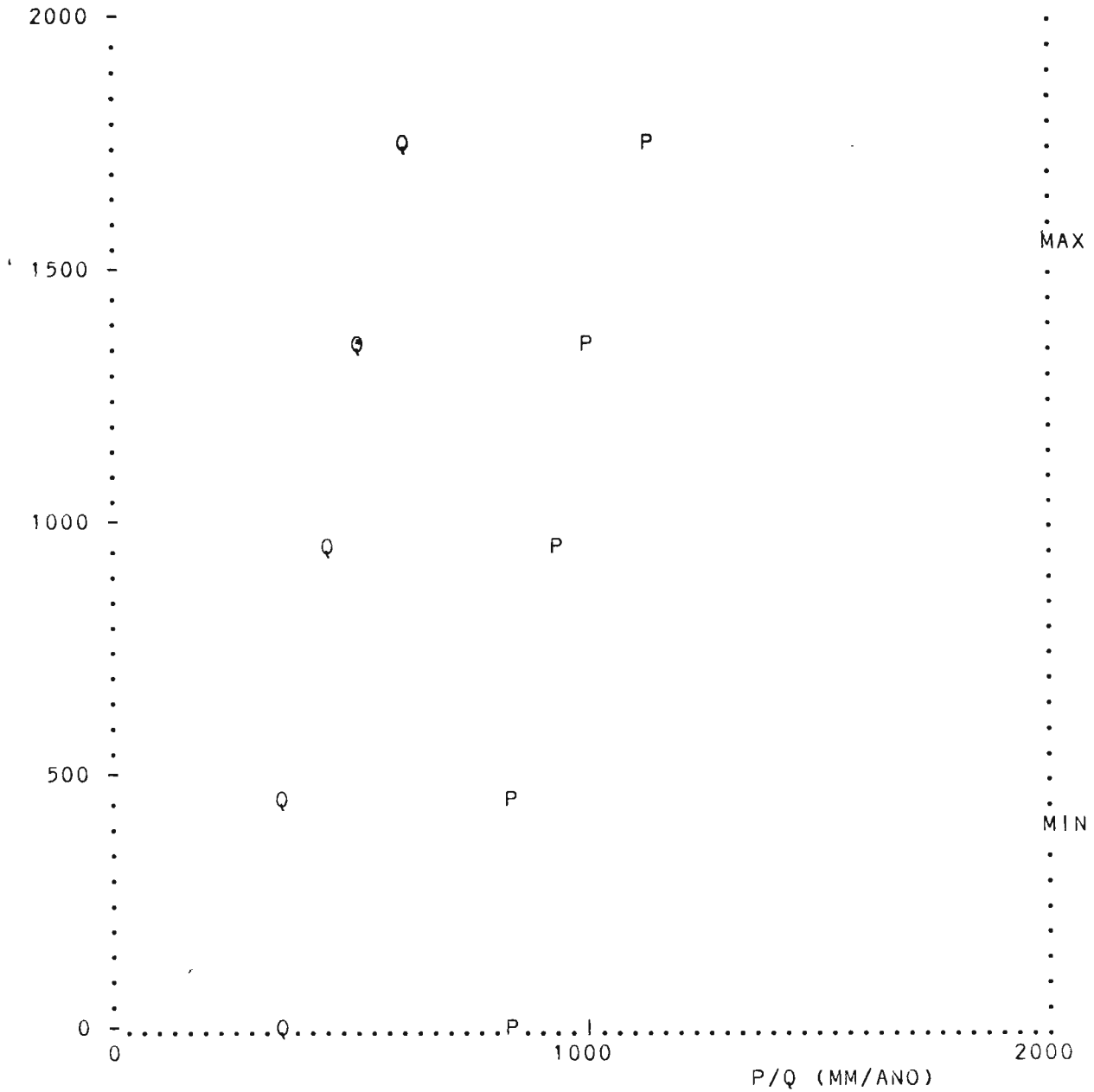
I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	<sup>2</sup> KM	M	MM4	<sup>3</sup> M /S	<sup>3</sup> M /S	(-)	<sup>2</sup> L/S/KM
=====										
AFLUENTE CULEBRA										
=====										
16	1 1	18.0	1850.0	15.0	2017.0	1254.	0.33	0.33	0.56	22.2
17	1 1	6.0	800.0	125.0	1606.0	1124.	2.37	2.37	0.53	19.0
18	1 1	0.0	600.0	175.0	1547.2	1103.	3.24	3.24	0.53	18.5
=====										
AFLUENTE TABACONASSUP										
=====										
19	1 1	85.0	2950.0	15.0	3017.0	1606.	0.49	0.49	0.64	32.4
20	1 1	72.0	2000.0	150.0	2866.7	1550.	4.60	4.60	0.62	30.7
=====										
AFLUENTE TABACONASMED										
=====										
20	1 1	72.0	2000.0	150.0	2866.7	1550.	4.60	4.60	0.62	30.7
21	1 1	67.0	1500.0	290.0	2704.2	1489.	9.30	9.30	0.68	32.1
3+ 21		67.0	1500.0	380.0	2574.4	1447.	11.56	11.56	0.66	30.4
22	1 1	62.0	1400.0	680.0	2419.0	1386.	20.30	20.30	0.68	29.9
=====										
AFLUENTE TABACONASINF										
=====										
22	1 1	62.0	1400.0	680.0	2419.0	1386.	20.30	20.30	0.68	29.9
23	1 1	57.0	1100.0	830.0	2337.1	1360.	23.56	23.56	0.66	28.4
6+ 23		57.0	1100.0	1260.0	2340.6	1360.	34.61	34.61	0.64	27.5
24	1 1	55.0	1050.0	1310.0	2318.1	1353.	35.60	35.60	0.63	27.2
9+ 24		55.0	1050.0	2065.0	2227.3	1326.	52.89	52.89	0.61	25.6
25	1 1	45.0	900.0	2275.0	2174.0	1309.	56.93	56.93	0.60	25.0
26	1 1	30.0	750.0	2645.0	2074.0	1276.	63.54	63.54	0.59	24.0
12+ 26		30.0	750.0	2897.0	2033.3	1279.	69.72	69.72	0.59	24.1
27	1 1	20.0	680.0	3157.0	2030.2	1261.	74.33	74.33	0.59	23.5
15+ 27		20.0	680.0	3427.0	2002.6	1253.	79.63	79.63	0.58	23.2
28	1 1	5.0	600.0	3547.0	1976.5	1246.	81.63	81.63	0.58	23.0
18+ 28		5.0	600.0	3722.0	1956.3	1239.	84.87	84.87	0.58	22.8
29	1 1	0.0	475.0	3792.0	1940.6	1234.	86.00	86.00	0.58	22.7
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*****
* CUENCA DEL RIO CENEPA : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 1600. : AMIN = 415. *
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ALTURA (M.S.N.M.)



A :	0	500	1000	1400	1800	2200	2600	3000	3400
Q :	400	400	490	550	640	750	900	1050	1200
P :	900	900	980	1050	1200	1300	1450	1600	1750
K :	.444	.444	.500	.524	.533	.577	.621	.656	.686

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	<sup>2</sup> KM	M	MM	<sup>3</sup> M /S	<sup>3</sup> M /S	(-)	<sup>2</sup> L/S/KM
AFLUENTE SHINGATZA										
1	1 1	20.0	1000.0	20.0	1275.0	1028.	0.34	0.34	0.52	16.8
2	1 1	0.0	490.0	260.0	723.9	936.	3.62	3.62	0.47	13.9
AFLUENTE TUNDUZA										
3	1 1	35.0	1200.0	20.0	1400.0	1050.	0.35	0.35	0.52	17.4
4	1 1	0.0	900.0	420.0	1066.7	992.	6.66	6.66	0.50	15.9
AFLUENTE ACHUIME										
5	1 1	25.0	1100.0	70.0	1150.0	1006.	1.14	1.14	0.51	16.3
6	1 1	0.0	490.0	550.0	780.8	945.	7.85	7.85	0.48	14.3
AFLUENTE KAMPANA										
7	1 1	25.0	1000.0	40.0	1150.0	1006.	0.65	0.65	0.51	16.3
8	1 1	0.0	460.0	260.0	748.9	940.	3.66	3.66	0.47	14.1
AFLUENTE COMAIRA										
9	1 1	60.0	1000.0	50.0	1100.0	997.	0.80	0.80	0.51	16.0
10	1 1	15.0	490.0	670.0	712.3	934.	9.31	9.31	0.47	13.9
8+ 10		15.0	490.0	930.0	722.5	936.	12.97	12.97	0.47	13.9
11	1 1	0.0	470.0	1340.0	649.8	925.	18.17	18.17	0.46	13.6
AFLUENTE TAMBOMORI										
12	1 1	80.0	1200.0	60.0	1600.0	1125.	1.13	1.13	0.53	18.9
13	1 1	60.0	900.0	310.0	1096.0	1005.	4.98	4.98	0.50	16.1
4+ 13		60.0	900.0	730.0	1079.1	997.	11.64	11.64	0.50	15.9
14	1 1	30.0	490.0	1620.0	847.8	958.	23.73	23.73	0.48	14.6
6+ 14		30.0	490.0	2170.0	830.8	955.	31.58	31.58	0.48	14.6
15	1 1	20.0	470.0	2490.0	784.8	948.	35.64	35.64	0.48	14.3
11+ 15		20.0	470.0	3830.0	737.6	940.	53.80	53.80	0.47	14.0
16	1 1	0.0	450.0	4180.0	714.3	936.	58.24	58.24	0.47	13.9
AFLUENTE NAJEN										
17	1 1	25.0	1000.0	40.0	1000.0	980.	0.62	0.62	0.50	15.5
18	1 1	0.0	430.0	250.0	689.2	930.	3.44	3.44	0.47	13.8

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M /S	3 M /S	(-)	2 L/S/KM

AFLUENTE CENEPA

19	1 1	164.0	1100.0	70.0	1100.0	997.	1.12	1.12	0.51	16.0
20	1 1	154.0	950.0	210.0	1074.7	993.	3.34	3.34	0.50	15.9
21	1 1	104.0	490.0	1320.0	1016.9	983.	20.62	20.62	0.50	15.6
2+ 21		104.0	490.0	1580.0	968.7	975.	24.24	24.24	0.50	15.3
22	1 1	81.0	480.0	1910.0	930.1	969.	28.89	28.89	0.49	15.1
23	1 1	31.0	450.0	2370.0	841.2	955.	34.72	34.72	0.48	14.7
16+ 23		31.0	450.0	6550.0	760.2	943.	92.97	92.97	0.47	14.2
24	1 1	30.0	430.0	6600.0	757.8	943.	93.60	93.60	0.47	14.2
18+ 24		30.0	430.0	6350.0	755.3	942.	97.04	97.04	0.47	14.2
25	1 1	0.0	400.0	7360.0	731.7	940.	103.51	103.51	0.47	14.1

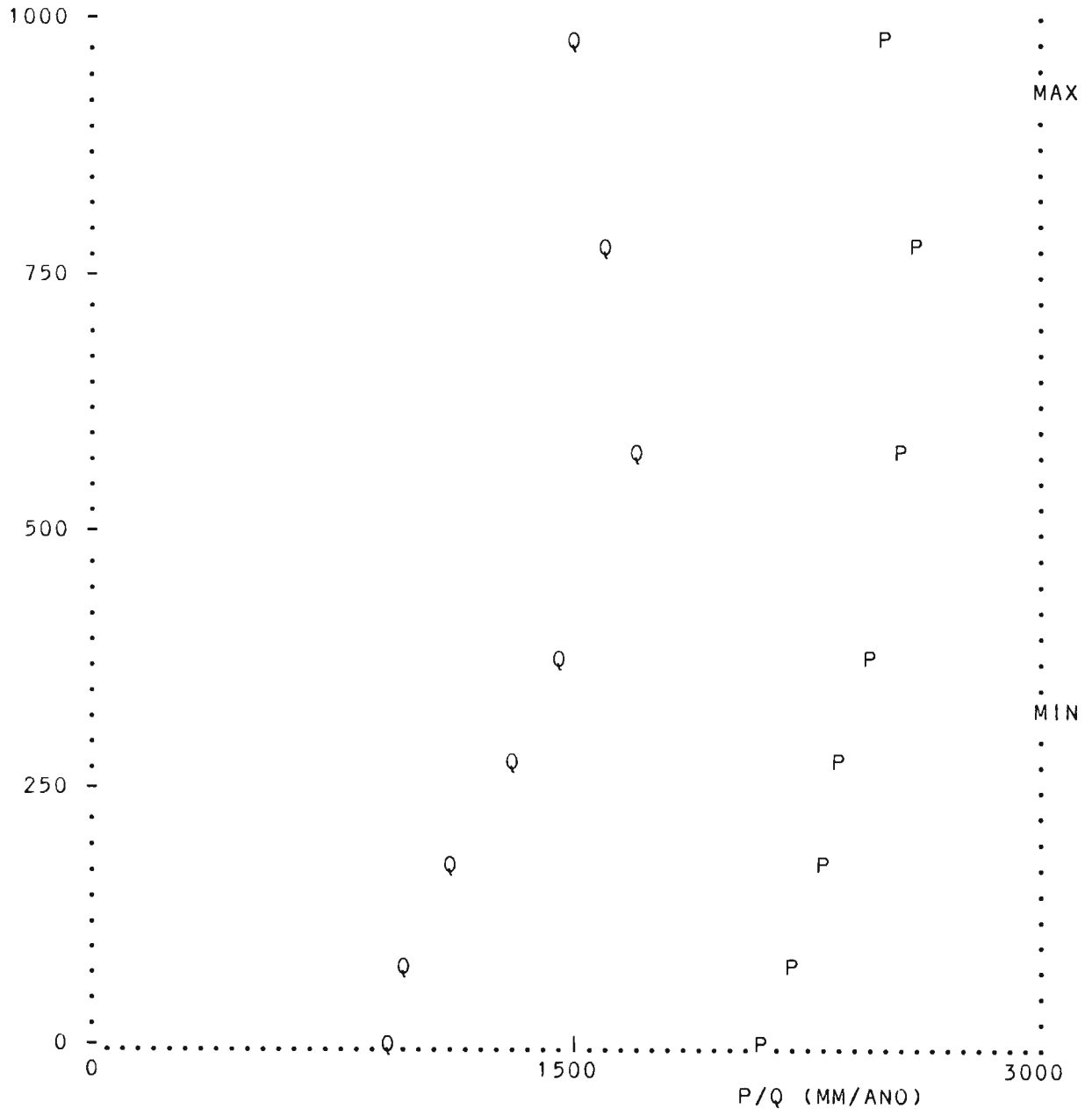
- I = NUMERO DEL PUNTO
- L = KILOMETRAJE
- H = ELEVACION DEL PUNTO
- AA = AREA TOTAL DE LA CUENCA HASTA EL PUNTO
- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
- PREC = PRECIPITACION MEDIA SOBRE TODA LA CUENCA HASTA EL PUNTO
- QM = CAUDAL MEDIO EN EL PUNTO
- QN = CAUDAL NATURAL EN EL PUNTO
- CEAT = COEFICIENTE DE ESCURRIMIENTO DE TODA LA CUENCA HASTA EL PUNTO
- RQT = RENDIMIENTO DE TODA LA CUENCA HASTA EL PUNTO
- RP = REGIMEN DE PRECIPITACION
- RE = REGIMEN DE ESCURRIMIENTO

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*****
* CUENCA DEL RIO SANTIAGO : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 950. : AMIN = 340. *
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ALTURA (M.S.N.M.)



A :	0	100	200	300	400	600	800	1000
Q :	1000	1040	1200	1400	1550	1800	1700	1600
P :	2200	2300	2400	2450	2520	2650	2700	2600
K :	.455	.452	.500	.571	.615	.679	.630	.615

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	KM	M	MM	M /S	M /S	(-)	L/S/KM

AFLUENTE LOJA

1	1 1	30.0	758.0	70.0	853.0	2673.	3.71	3.71	0.63	53.1
2	1 1	0.0	723.0	490.0	824.7	2688.	26.22	26.22	0.63	53.5

AFLUENTE TRAU

3	1 1	25.0	688.0	30.0	803.0	2698.	1.62	1.62	0.63	53.9
4	1 1	0.0	658.0	430.0	787.2	2697.	23.27	23.27	0.63	54.1

AFLUENTE YACUAMBI

5	1 1	75.0	718.0	50.0	839.0	2680.	2.66	2.66	0.63	53.3
6	1 1	30.0	678.0	1030.0	800.9	2699.	55.51	55.51	0.63	53.9
7	1 1	0.0	648.0	1400.0	795.7	2698.	75.57	75.57	0.63	54.0

AFLUENTE CABEZAS

8	1 1	45.0	700.0	20.0	833.0	2683.	1.07	1.07	0.63	53.4
9	1 1	0.0	650.0	670.0	788.4	2696.	36.24	36.24	0.63	54.1

AFLUENTE NANGARIZA

10	1 1	110.0	730.0	50.0	843.0	2678.	2.66	2.66	0.63	53.2
11	1 1	65.0	680.0	680.0	805.0	2697.	36.60	36.60	0.63	53.8
9+ 11		65.0	680.0	1350.0	796.8	2697.	72.84	72.84	0.63	54.0
12	1 1	35.0	650.0	2020.0	791.9	2696.	109.15	109.15	0.63	54.0
13	1 1	0.0	620.0	2370.0	788.2	2696.	128.20	128.20	0.63	54.1

AFLUENTE BECERRA

14	1 1	40.0	640.0	30.0	680.0	2670.	1.67	1.67	0.66	55.8
15	1 1	0.0	595.0	470.0	660.3	2665.	26.38	26.38	0.66	56.1

AFLUENTE GUALAQUIZA

16	1 1	40.0	625.0	70.0	808.0	2696.	3.76	3.76	0.63	53.8
17	1 1	0.0	585.0	490.0	674.3	2668.	27.39	27.39	0.66	55.9

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2 KM	M	MM	3 M / S	3 M / S	(-)	2 L/S/KM

AFLUENTE INDANZA

18	1 1	40.0	535.0	20.0	661.0	2665.	1.12	1.12	0.66	56.1
19	1 1	0.0	545.0	560.0	633.0	2658.	31.67	31.67	0.67	56.6

AFLUENTE TARQUI

20	1 1	25.0	709.0	20.0	836.0	2682.	1.07	1.07	0.63	53.3
21	1 1	0.0	665.0	220.0	796.9	2697.	11.87	11.87	0.63	54.0

AFLUENTE NUCHANGARA

22	1 1	25.0	695.0	40.0	832.0	2684.	2.14	2.14	0.63	53.4
23	1 1	0.0	650.0	300.0	792.1	2695.	16.21	16.21	0.63	54.0

AFLUENTE BENGAS

24	1 1	30.0	660.0	40.0	820.0	2690.	2.14	2.14	0.63	53.6
25	1 1	0.0	635.0	690.0	682.5	2670.	38.48	38.48	0.66	55.8

AFLUENTE POMAR

26	1 1	45.0	665.0	70.0	681.0	2670.	3.91	3.91	0.66	55.8
27	1 1	0.0	622.0	890.0	775.9	2694.	48.32	48.32	0.64	54.3

AFLUENTE NEGRO

28	1 1	25.0	605.0	50.0	802.0	2699.	2.69	2.69	0.63	53.9
29	1 1	0.0	555.0	380.0	723.8	2681.	20.94	20.94	0.65	55.1

AFLUENTE CRUZADO

30	1 1	50.0	535.0	80.0	728.0	2682.	4.40	4.40	0.65	55.0
31	1 1	20.0	555.0	440.0	711.6	2678.	24.34	24.34	0.65	55.3
29+ 31		20.0	555.0	820.0	717.3	2679.	45.28	45.28	0.65	55.2
32	1 1	0.0	542.0	1000.0	714.0	2678.	55.27	55.27	0.65	55.3

AFLUENTE ABANICO

33	1 1	35.0	750.0	20.0	850.0	2675.	1.06	1.06	0.63	53.1
34	1 1	0.0	718.0	200.0	820.3	2690.	10.72	10.72	0.63	53.6

I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	2	M	MM	3	3	(-)	2
				KM	M		M /S	M /S		L/S/KM

AFLUENTE VOLCAN

35	1 1	20.0	750.0	70.0	822.0	2689.	3.75	3.75	0.63	53.6
36	1 1	0.0	715.0	220.0	817.9	2691.	11.80	11.80	0.63	53.6

AFLUENTE TUTANGOSA

37	1 1	35.0	725.0	60.0	802.0	2699.	3.23	3.23	0.63	53.9
38	1 1	0.0	685.0	410.0	716.6	2679.	22.64	22.64	0.65	55.2

AFLUENTE CHUPIANZA

39	1 1	35.0	690.0	20.0	830.0	2685.	1.07	1.07	0.63	53.4
40	1 1	0.0	655.0	340.0	788.6	2696.	18.39	18.39	0.63	54.1

AFLUENTE UPANO

41	1 1	130.0	763.0	30.0	854.0	2673.	1.59	1.59	0.63	53.1
42	1 1	95.0	718.0	670.0	821.5	2689.	35.89	35.89	0.63	53.6
34+ 42		95.0	718.0	870.0	821.2	2689.	46.61	46.61	0.63	53.6
43	1 1	90.0	715.0	970.0	819.9	2690.	51.98	51.98	0.63	53.6
36+ 43		90.0	715.0	1190.0	819.5	2690.	63.78	63.78	0.63	53.6
44	1 1	30.0	685.0	2010.0	811.6	2694.	107.98	107.98	0.63	53.7
38+ 44		30.0	685.0	2420.0	795.5	2692.	130.63	130.63	0.63	54.0
45	1 1	15.0	655.0	2850.0	793.9	2692.	153.91	153.91	0.63	54.0
40+ 45		15.0	655.0	3190.0	793.3	2693.	172.30	172.30	0.63	54.0
46	1 1	0.0	540.0	3550.0	785.8	2691.	192.17	192.17	0.63	54.1

AFLUENTE YUNGANZA

47	1 1	45.0	570.0	80.0	702.0	2675.	4.44	4.44	0.65	55.5
48	1 1	0.0	525.0	760.0	700.2	2675.	42.17	42.17	0.65	55.5