

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 PAMPAS INFER										
160	3 3	129.0	1920.0	19205.5	3967.7	853.	180.00	184.25	0.35	9.6
161	3 3	121.0	1815.0	19457.6	3954.2	853.	183.83	188.08	0.36	9.7
162	3 3	111.0	1710.0	19650.7	3944.8	853.	186.71	190.96	0.36	9.7
163	3 3	101.0	1630.0	19837.9	3933.5	854.	189.69	193.94	0.36	9.8
164	3 3	91.0	1570.0	19900.0	3928.5	854.	190.79	195.04	0.36	9.8
123+164		91.0	1570.0	20760.9	3905.5	859.	199.99	204.24	0.36	9.8
165	3 3	78.0	1475.0	20922.9	3896.2	859.	202.59	206.84	0.36	9.9
166	3 3	68.0	1415.0	21025.0	3890.5	859.	204.22	208.47	0.36	9.9
167	3 3	58.0	1370.0	21220.6	3882.4	859.	207.13	211.38	0.37	10.0
168	3 3	48.0	1290.0	21482.3	3870.4	860.	211.14	215.39	0.37	10.0
169	3 3	41.0	1200.0	21796.1	3857.8	859.	215.82	220.07	0.37	10.1
170	3 3	35.0	1180.0	21898.1	3852.5	860.	217.46	221.71	0.37	10.1
130+170		35.0	1180.0	22580.0	3846.0	856.	225.97	230.22	0.38	10.2
171	3 3	25.0	1170.0	22804.3	3843.6	855.	228.81	233.06	0.38	10.2
172	3 3	15.0	1150.0	22914.9	3841.6	855.	230.28	234.53	0.38	10.2
173	3 3	5.0	936.0	23280.0	3839.9	852.	234.68	238.93	0.38	10.3
174	3 3	0.0	902.0	23741.6	3821.1	853.	241.79	246.04	0.38	10.4

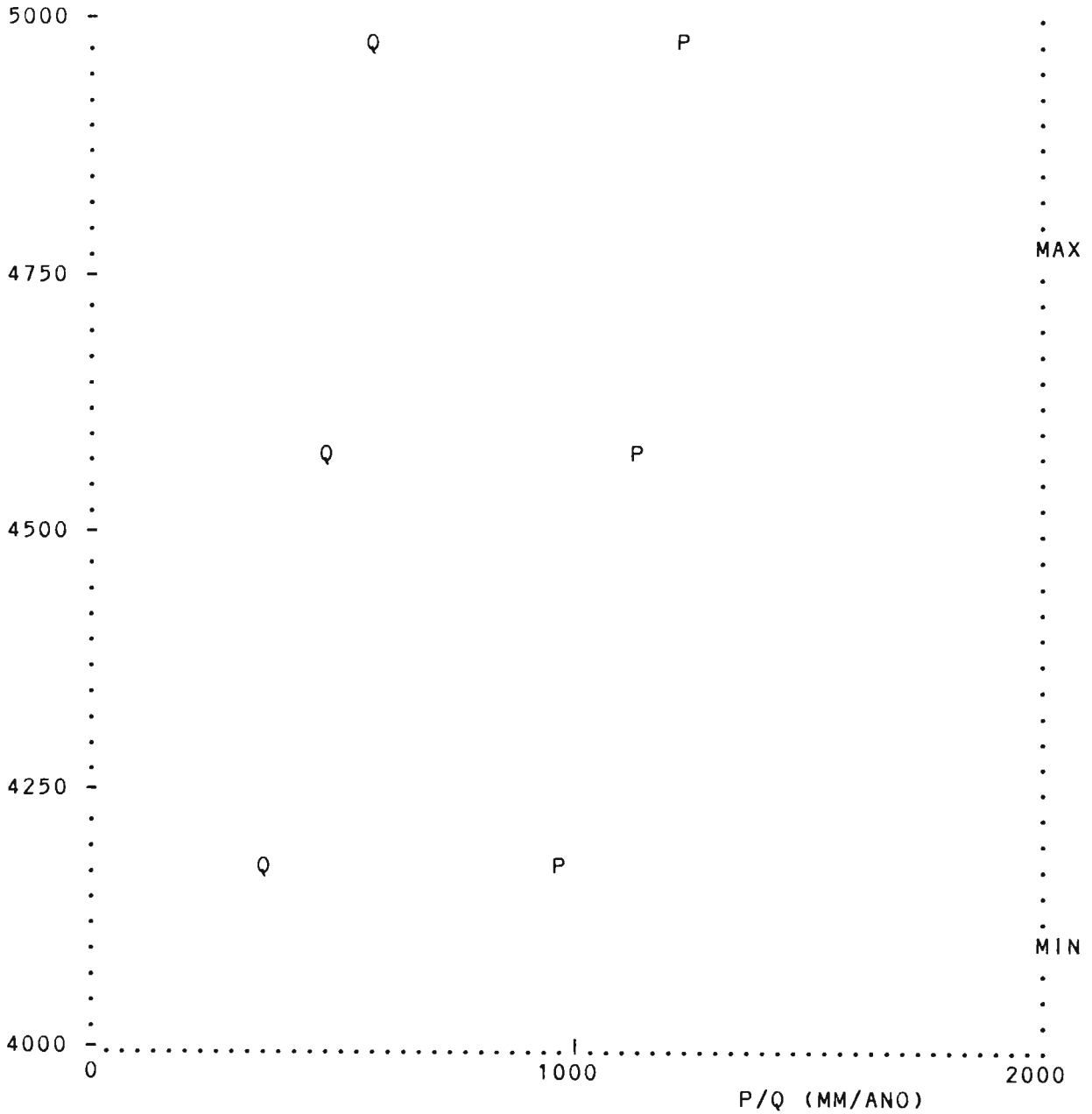
- I = NUMERO DEL PUNTO
- L = KILOMETRAJE
- H = ELEVACION DEL PUNTO
- AA = AREA TOTAL DE LA CUENCA HASTA EL PUNTO
- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
- PREC = PRECIPITACION MEDIA SOBRE TODA LA CUENCA HASTA EL PUNTO
- QM = CAUDAL MEDIO EN EL PUNTO
- QN = CAUDAL NATURAL EN EL PUNTO
- CEAT = 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 MANTARO SUP : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 4790. : AMIN = 4103. *
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ALTURA (M.S.N.M.)



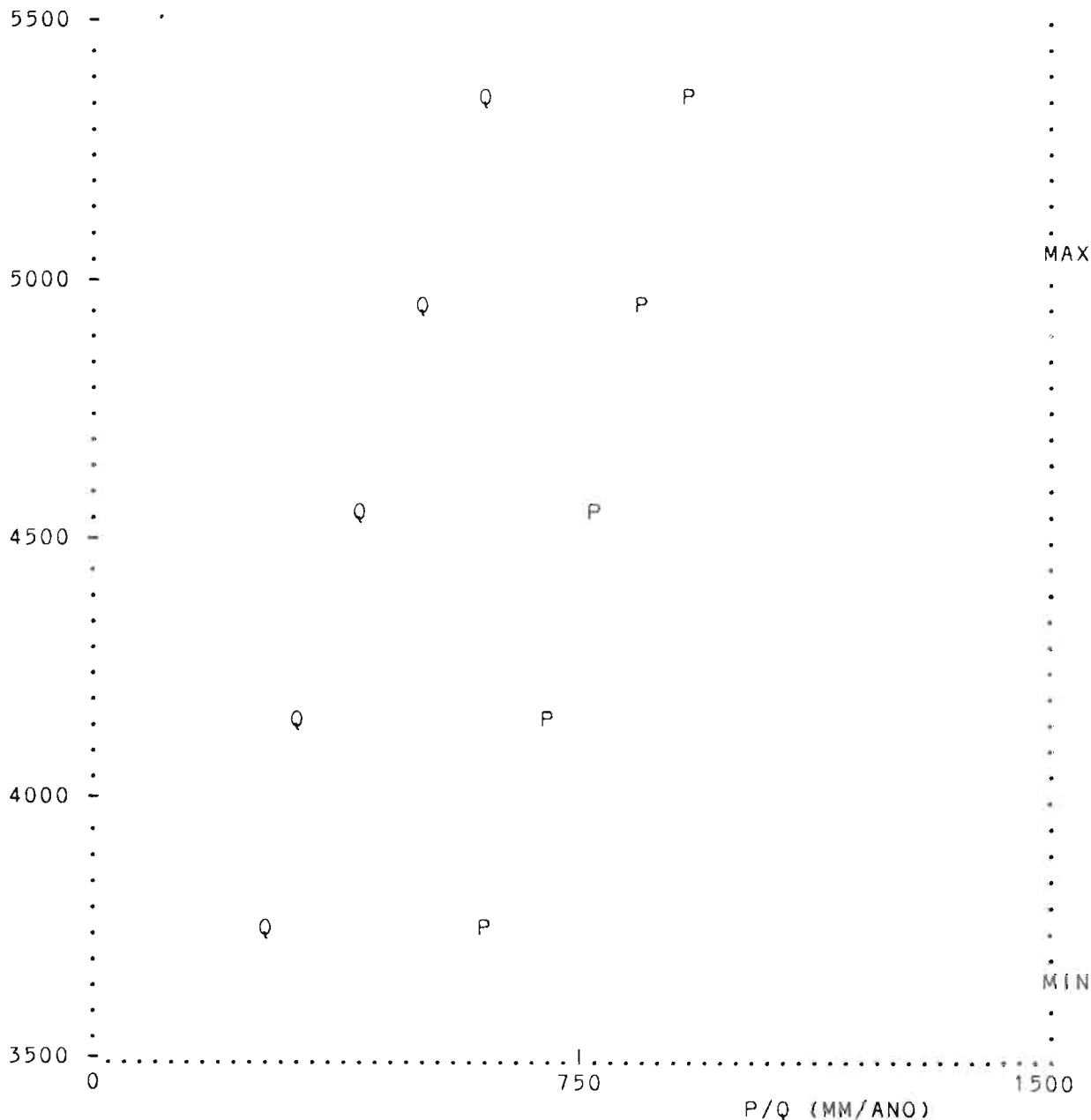
A :	3000	3400	3800	4200	4600	5000	5400	5800
Q :	270	300	350	400	520	630	740	850
P :	700	800	910	1030	1170	1300	1450	1600
K :	.386	.375	.385	.388	.444	.485	.510	.531

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*****
* CUENCA DEL RIO MANTARO SUP : REGIMEN # 2 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 5100. : AMIN = 3700. *
*****

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ALTURA (M.S.N.M.)



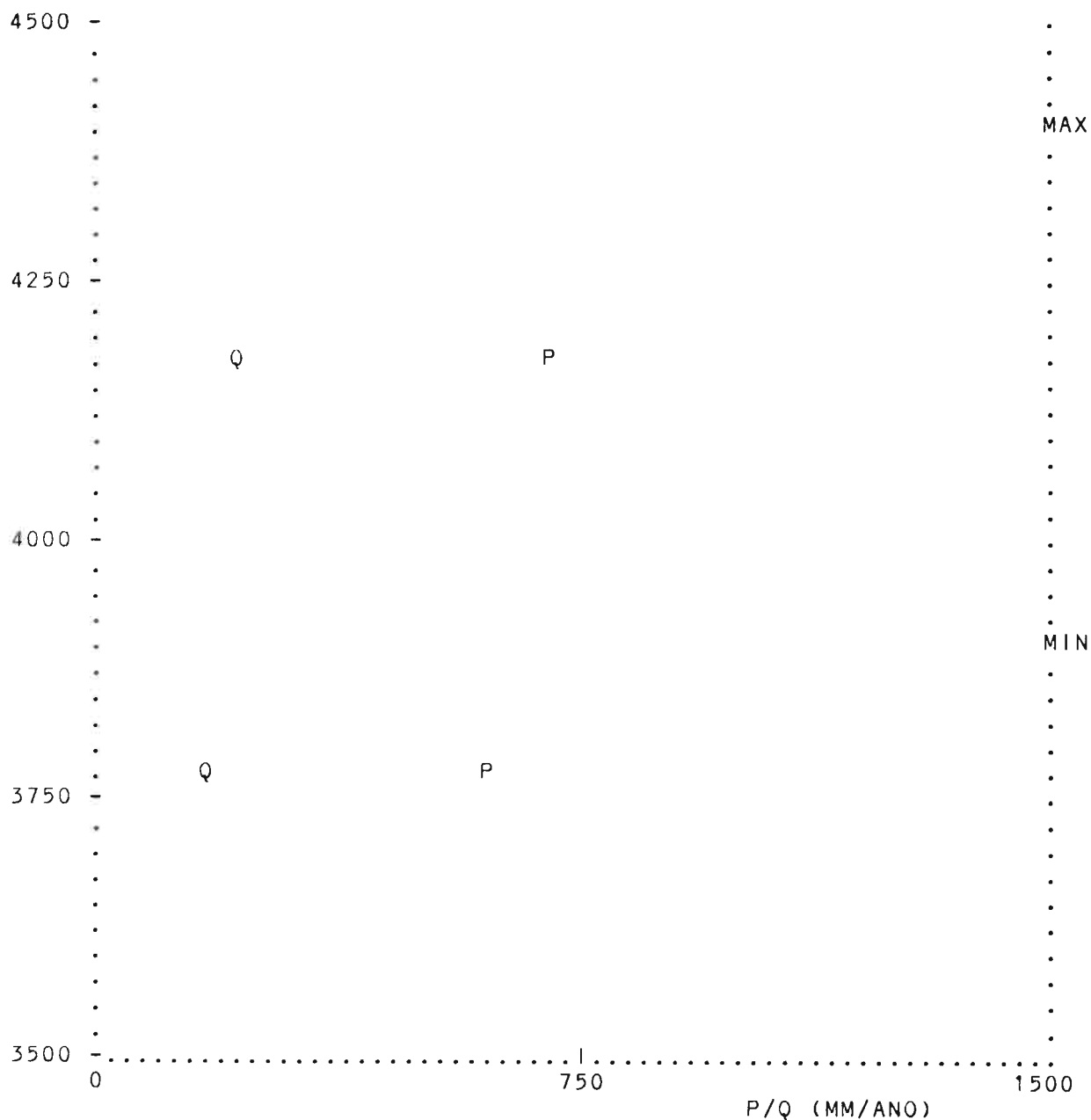
A :	3000	3400	3800	4200	4600	5000	5400	5800
Q :	240	360	300	350	440	550	630	740
P :	540	600	650	750	820	900	970	1100
K :	.444	.600	.462	.467	.537	.611	.649	.673

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*****
* CUENCA DEL RIO MANTARO SUP : REGIMEN # 3 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 4405. : AMIN = 3908. *
*****

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ALTURA (M.S.N.M.)



A :	3000	3400	3800	4200	4600	5000	5400	5800
Q :	150	170	200	250	320	410	500	600
P :	540	600	650	750	820	900	970	1100
K :	.278	.283	.308	.333	.390	.456	.515	.545

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 GASUAN

1	1 1	25.0	4399.0	0.5	4399.0	1100.	0.01	0.01	0.41	14.4
2	1 1	10.0	4260.0	79.6	4424.8	1109.	1.17	1.17	0.42	14.7
3	1 1	0.0	4181.0	106.0	4373.8	1091.	1.50	1.50	0.41	14.2

AFLUENTE HUARUPAMPA

4	1 1	26.0	4481.0	0.9	4482.0	1129.	0.01	0.01	0.42	15.2
5	1 1	10.0	4247.0	77.6	4403.9	1101.	1.12	1.12	0.41	14.5
6	1 1	0.3	4181.0	100.1	4364.1	1037.	1.41	1.41	0.41	14.1
3+ 6		0.3	4181.0	206.1	4369.1	1039.	2.91	2.91	0.41	14.1
7	1 1	0.0	4180.0	206.3	4368.9	1039.	2.92	2.92	0.41	14.1

AFLUENTE BLANCO

8	1 1	48.0	4550.0	2.9	4790.0	1232.	0.05	0.05	0.45	17.5
9	1 1	32.0	4320.0	85.8	4613.2	1174.	1.37	1.37	0.43	16.0
10	1 1	20.0	4320.0	256.3	4597.8	1169.	3.07	4.07	0.43	15.9
11	1 1	10.0	4221.0	277.8	4578.7	1162.	3.36	4.36	0.43	15.7
12	1 1	0.0	4099.0	286.6	4566.9	1158.	3.47	4.47	0.42	15.6

AFLUENTE LAGO JUNIN

13	3 3	32.0	4100.0	542.4	4405.0	786.	3.74	4.74	0.35	8.7
14	3 3	20.0	4097.0	884.7	4356.2	777.	4.50	7.50	0.34	8.5
15	3 3	10.0	4094.0	1446.4	4290.5	765.	7.77	11.77	0.34	8.1
16	3 3	0.0	4091.0	1582.9	4282.4	764.	8.81	12.81	0.33	8.1

AFLUENTE RACRANCANCHA

17	1 1	27.0	4570.0	0.4	4585.0	1165.	0.01	0.01	0.43	15.8
18	1 1	16.0	4355.0	35.1	4522.7	1143.	0.53	0.53	0.42	15.2
19	1 1	6.0	4150.0	53.6	4436.2	1113.	0.27	0.77	0.41	14.4
20	1 1	0.0	4090.0	90.7	4331.4	1076.	0.72	1.22	0.39	13.5

AFLUENTE COLORADO SUP

21	2 2	43.0	4800.0	0.1	4826.0	865.	0.00	0.00	0.51	13.9
22	2 2	30.0	4450.0	98.6	4607.2	821.	1.20	1.20	0.47	12.2
23	2 2	20.0	4361.0	181.2	4565.2	814.	2.16	2.16	0.46	11.9
24	2 2	10.0	4180.0	220.8	4540.0	810.	1.60	2.60	0.46	11.8
25	2 2	3.0	4100.0	251.5	4501.0	803.	1.90	2.90	0.45	11.5

AFLUENTE COLORADO INF

25	2 2	3.0	4100.0	251.5	4501.0	803.	1.90	2.90	0.45	11.5
26	2 2	0.0	4078.0	253.7	4497.4	802.	1.91	2.91	0.45	11.5

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 ANTICONA										
27	2 2	16.0	4500.0	2.2	4550.0	811.	0.04	0.04	0.74	19.0
28	2 2	10.0	4200.0	36.0	4432.6	791.	1.64	0.64	0.71	17.9
29	2 2	6.0	4125.0	75.0	4379.8	781.	2.30	1.30	0.70	17.3
AFLUENTE HUARON										
29	2 2	6.0	4125.0	75.0	4379.8	781.	2.30	1.30	0.70	17.3
30	2 2	0.0	4074.0	91.6	4347.2	776.	2.41	1.41	0.62	15.4
AFLUENTE TAMBO										
31	2 2	22.0	4690.0	0.7	4982.0	896.	0.01	0.01	0.60	17.1
32	2 2	10.0	4320.0	78.8	4681.7	836.	1.14	1.14	0.55	14.5
33	2 2	0.0	4240.0	153.2	4601.2	821.	2.13	2.13	0.53	13.9
AFLUENTE CASACANCHA										
34	2 2	24.0	4641.0	1.0	4830.0	866.	0.02	0.02	0.76	20.8
35	2 2	6.0	4200.0	150.1	4608.5	822.	3.75	2.75	0.70	18.3
36	2 2	0.0	4141.0	174.1	4586.9	818.	4.15	3.15	0.70	18.1
AFLUENTE CONOCANCHA A										
37	2 2	53.0	4750.0	1.0	4799.0	860.	0.01	0.01	0.48	13.1
38	2 2	42.0	4550.0	94.5	4613.0	823.	0.11	1.11	0.45	11.8
39	2 2	32.0	4460.0	184.6	4592.0	819.	1.15	2.15	0.45	11.6
40	2 2	23.0	4280.0	243.8	4566.3	814.	1.80	2.80	0.44	11.5
AFLUENTE CONOCANCHA B										
40	2 2	23.0	4280.0	243.8	4566.3	814.	1.80	2.80	0.44	11.5
41	2 2	22.0	4240.0	246.6	4564.2	814.	1.83	2.83	0.45	11.5
33+ 41		22.0	4240.0	399.8	4578.4	817.	3.96	4.96	0.48	12.4
42	2 2	21.0	4200.0	403.5	4576.5	816.	3.50	5.00	0.48	12.4
AFLUENTE CONOCANCHA C										
42	2 2	21.0	4200.0	403.5	4576.5	816.	3.50	5.00	0.48	12.4
43	2 2	19.0	4141.0	407.1	4574.5	816.	3.56	5.06	0.48	12.4
36+ 43		19.0	4141.0	581.2	4578.2	817.	7.71	8.21	0.55	14.1
44	2 2	18.0	4130.0	587.2	4575.5	816.	7.80	8.30	0.55	14.1

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 CONOCANCHA D

44	2 2	18.0	4130.0	587.2	4575.5	816.	7.80	8.30	0.55	14.1
45	2 2	16.0	4120.0	596.3	4571.1	815.	7.86	8.36	0.54	14.0
46	2 2	0.0	3952.0	710.7	4523.0	807.	8.63	9.13	0.50	12.8

AFLUENTE GASHA

47	2 2	20.0	4640.0	1.0	4700.0	840.	0.02	0.02	0.61	16.1
48	2 2	10.0	4455.0	51.0	4619.6	824.	0.78	0.78	0.59	15.4
49	2 2	0.0	4194.0	155.2	4574.9	816.	0.83	2.33	0.58	15.0

AFLUENTE CORPACANCHAA

50	2 2	47.0	4950.0	0.1	4975.0	895.	0.00	0.00	0.66	18.7
51	2 2	35.0	4295.0	96.2	4748.2	850.	1.60	1.60	0.62	16.6
52	2 2	25.0	4194.0	169.8	4670.1	834.	1.20	2.70	0.60	15.9
49+ 52		25.0	4194.0	325.0	4624.6	825.	2.02	5.02	0.59	15.5
53	2 2	24.0	4185.0	330.9	4619.1	824.	2.10	5.10	0.59	15.4

AFLUENTE CORPACANCHAB

53	2 2	24.0	4185.0	330.9	4619.1	824.	2.10	5.10	0.59	15.4
54	2 2	20.0	4161.0	367.3	4601.2	821.	2.37	5.37	0.56	14.6
55	2 2	10.0	4030.0	531.4	4554.8	813.	3.59	6.59	0.48	12.4
56	2 2	0.0	3891.0	608.4	4525.7	808.	4.12	7.12	0.46	11.7

AFLUENTE PUCAYAN

57	2 2	27.0	4900.0	0.3	4981.0	896.	0.00	0.00	0.35	10.0
58	2 2	20.0	4446.0	32.4	4790.8	858.	0.29	0.29	0.33	9.0
59	2 2	10.0	4100.0	96.9	4615.9	824.	0.79	0.79	0.31	8.2
60	2 2	0.0	3860.0	142.4	4550.7	812.	1.12	1.12	0.31	7.9

AFLUENTE ATOCHUARCO A

61	3 3	27.0	4260.0	0.6	4325.0	772.	0.01	0.01	0.35	8.6
62	3 3	10.0	3960.0	129.8	4271.2	762.	1.08	1.08	0.34	8.3
63	3 3	1.0	3790.0	270.2	4245.7	758.	2.20	2.20	0.34	8.1

AFLUENTE ATOCHUARCO B

63	3 3	1.0	3790.0	270.2	4245.7	758.	2.20	2.20	0.34	8.1
64	3 3	0.0	3750.0	271.7	4243.8	758.	2.22	2.22	0.34	8.2

AFLUENTE PUCARA SUP

65	2 2	18.0	4600.0	1.0	4750.0	850.	0.01	0.01	0.40	10.8
66	2 2	13.0	4550.0	14.8	4824.6	865.	0.17	0.17	0.41	11.3
67	2 2	3.0	4197.0	143.6	4564.8	814.	0.40	1.40	0.38	9.7

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 PUCARA INF									
67	2 2	3.0	4197.0	143.6	4564.8	814.	0.40	1.40	0.38 9.7
68	2 2	0.0	3972.0	150.3	4546.5	811.	0.57	1.57	0.41 10.4
=====									
AFLUENTE YAUL I A									
69	2 2	55.0	4800.0	6.4	5100.0	917.	0.61	0.11	0.58 16.8
70	2 2	41.0	4290.0	86.6	4812.0	862.	0.77	1.27	0.54 14.6
71	2 2	30.0	4100.0	242.3	4736.8	847.	2.40	3.40	0.52 14.0
=====									
AFLUENTE YAUL I B									
71	2 2	30.0	4100.0	242.3	4736.8	847.	2.40	3.40	0.52 14.0
72	2 2	20.0	3972.0	343.6	4681.1	837.	6.55	6.55	0.72 19.1
63+ 72		20.0	3972.0	493.9	4640.2	829.	7.12	8.12	0.63 16.4
73	2 2	15.0	3910.0	551.8	4595.6	821.	8.60	9.60	0.67 17.4
=====									
AFLUENTE YAUL I C									
73	2 2	15.0	3910.0	551.8	4595.6	821.	8.60	9.60	0.67 17.4
74	2 2	10.0	3842.0	583.4	4571.9	816.	8.90	9.90	0.66 17.0
75	2 2	0.0	3695.0	643.6	4533.0	809.	9.46	10.46	0.63 16.3
=====									
AFLUENTE ANDAYCARUGA									
76	2 2	13.0	4800.0	0.5	4910.0	882.	0.01	0.01	0.62 17.5
77	2 2	10.0	4204.0	46.6	4728.0	846.	0.74	0.74	0.59 15.8
78	2 2	0.0	3945.0	133.1	4607.1	822.	1.96	1.96	0.57 14.7
=====									
AFLUENTE HUARI SUP									
79	2 2	42.0	4800.0	0.2	4856.0	871.	0.50	0.00	0.61 17.0
80	2 2	34.0	4449.0	37.2	4784.4	857.	2.11	0.61	0.60 16.3
81	2 2	23.0	4245.0	167.9	4679.8	836.	4.08	2.58	0.58 15.3
82	2 2	13.0	3945.0	262.3	4620.5	825.	5.40	3.90	0.57 14.9
73+ 82		13.0	3945.0	395.4	4616.0	824.	7.36	5.86	0.57 14.8
83	2 2	1.0	3650.0	396.7	4615.1	824.	7.40	5.90	0.57 14.9
=====									
AFLUENTE HUARI INF									
83	2 2	1.0	3650.0	396.7	4615.1	824.	7.40	5.90	0.57 14.9
84	2 2	0.0	3603.0	398.0	4612.1	823.	7.41	5.91	0.57 14.9
=====									



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 PINASCOCHASA

85	2 2	21.0	4590.0	0.2	4603.0	821.	0.00	0.00	0.45	11.6
86	2 2	11.0	4220.0	69.5	4450.4	794.	0.75	0.75	0.43	10.7
87	2 2	1.0	3800.0	194.3	4376.9	781.	1.50	2.00	0.42	10.3

AFLUENTE PINASCOCHASB

87	2 2	1.0	3800.0	194.3	4376.9	781.	1.50	2.00	0.42	10.3
88	2 2	0.0	3746.0	197.4	4370.2	779.	1.54	2.04	0.42	10.3

AFLUENTE PACHACAYO A

89	2 2	59.0	4760.0	8.5	5050.0	909.	0.64	0.14	0.59	16.9
90	2 2	52.0	4450.0	58.0	4842.6	868.	1.39	0.89	0.56	15.3
91	2 2	42.0	4347.0	164.6	4745.7	849.	2.89	2.39	0.54	14.5
92	2 2	32.0	4130.0	226.9	4692.0	839.	3.69	3.19	0.53	14.1
93	2 2	22.0	3960.0	356.0	4606.8	823.	5.28	4.78	0.51	13.4
94	2 2	12.0	3775.0	478.9	4456.7	793.	6.00	6.00	0.50	12.5

AFLUENTE PACHACAYO B

94	2 2	12.0	3775.0	478.9	4456.7	793.	6.00	6.00	0.50	12.5
95	2 2	10.0	3746.0	481.2	4453.9	792.	6.03	6.03	0.50	12.5
88+ 95		10.0	3746.0	678.6	4429.6	788.	7.56	8.06	0.48	11.9
96	2 2	6.0	3648.0	715.2	4403.6	783.	9.00	8.50	0.48	11.9

AFLUENTE PACHACAYO C

96	2 2	6.0	3648.0	715.2	4403.6	783.	9.00	8.50	0.48	11.9
97	2 2	0.0	3505.0	833.7	4343.0	772.	10.06	9.56	0.47	11.5

AFLUENTE QUISUALCANCH

93	2 2	38.0	4260.0	0.7	4315.0	770.	0.01	0.01	0.42	10.3
99	2 2	30.0	4068.0	57.7	4215.2	753.	0.56	0.56	0.40	9.6
100	2 2	20.0	3850.0	99.4	4210.1	752.	0.96	0.96	0.40	9.6
101	2 2	10.0	3650.0	252.7	4122.1	730.	2.35	2.35	0.40	9.3
102	2 2	0.0	3420.0	316.7	4075.0	719.	2.89	2.89	0.40	9.1

AFLUENTE MANTARO A

103	1 1	229.0	4325.0	2.0	4348.0	1082.	0.03	0.03	0.41	13.9
104	1 1	217.0	4197.0	183.1	4300.5	1065.	2.47	2.47	0.40	13.5
105	1 1	207.0	4180.0	288.0	4282.9	1059.	3.84	3.84	0.40	13.3
7+105		207.0	4180.0	494.3	4318.8	1072.	6.75	6.75	0.40	13.7
106	1 1	190.0	4110.0	704.9	4314.4	1070.	9.60	9.60	0.40	13.6

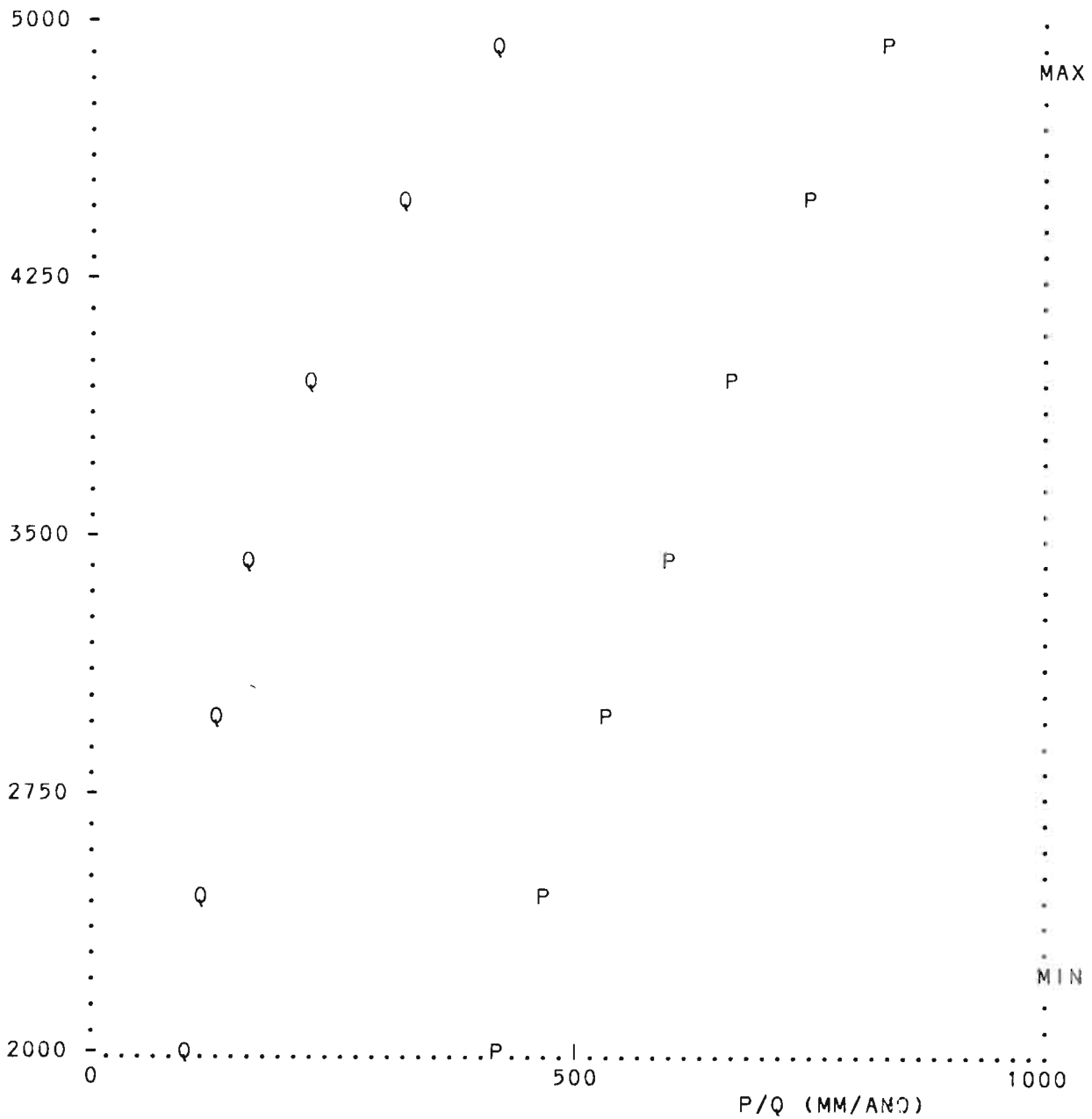
CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO MANTARO SUP

2/14/79

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 MANTARO B										
106	1 1	190.0	4110.0	704.9	4314.4	1070.	9.60	9.60	0.40	13.6
107	1 1	187.0	4099.0	711.9	4312.3	1069.	9.68	9.68	0.40	13.6
12+107		187.0	4099.0	998.5	4385.4	1095.	13.15	14.15	0.41	14.2
108	1 1	181.0	4091.0	1082.8	4370.8	1090.	14.18	15.18	0.41	14.0
16+108		181.0	4091.0	2665.7	4318.3	896.	23.00	28.00	0.37	10.5
109	3 3	180.0	4090.0	2688.3	4316.7	895.	23.16	28.16	0.37	10.5
20+109		180.0	4090.0	2779.0	4317.2	901.	23.88	29.38	0.37	10.6
110	3 3	179.0	4085.0	2794.7	4316.0	900.	24.00	29.50	0.37	10.6
AFLUENTE MANTARO C										
110	3 3	179.0	4085.0	2794.7	4316.0	900.	24.00	29.50	0.37	10.6
111	3 3	178.0	4078.0	2798.2	4315.8	900.	24.02	29.52	0.37	10.5
26+111		178.0	4078.0	3051.9	4330.9	892.	25.93	32.43	0.38	10.6
112	3 3	170.0	4074.0	3075.2	4329.8	891.	26.03	32.53	0.37	10.6
30+112		170.0	4074.0	3166.8	4330.3	887.	28.44	33.94	0.38	10.7
113	3 3	157.0	4068.0	3249.0	4328.7	884.	28.83	34.33	0.38	10.6
114	3 3	147.0	4018.0	3380.2	4326.9	879.	29.47	34.97	0.37	10.3
115	3 3	137.0	3992.0	3492.7	4323.6	875.	29.99	35.49	0.37	10.2
116	3 3	127.0	3952.0	3637.9	4320.7	871.	30.68	36.18	0.36	9.9
46+116		127.0	3952.0	4348.6	4353.8	860.	39.30	45.30	0.38	10.4
117	3 3	112.0	3891.0	4576.3	4346.8	855.	40.35	46.35	0.37	10.1
56+117		112.0	3891.0	5184.7	4367.8	849.	44.47	53.47	0.38	10.3
118	3 3	105.0	3860.0	5211.3	4366.4	849.	44.59	53.59	0.38	10.3
60+118		105.0	3860.0	5353.7	4371.3	848.	45.71	54.71	0.38	10.2
119	3 3	100.0	3820.0	5493.8	4369.7	846.	46.40	55.40	0.38	10.1
AFLUENTE MANTARO D										
119	3 3	100.0	3820.0	5493.8	4369.7	846.	46.40	55.40	0.38	10.1
120	3 3	86.0	3750.0	5686.3	4366.3	843.	49.08	58.08	0.38	10.2
64+120		86.0	3750.0	5958.0	4360.7	839.	51.29	60.29	0.38	10.1
121	3 3	79.0	3710.0	6062.1	4358.4	838.	52.70	61.70	0.38	10.2
AFLUENTE MANTARO E										
121	3 3	79.0	3710.0	6062.1	4358.4	838.	52.70	61.70	0.38	10.2
122	2 2	77.0	3695.0	6067.1	4358.1	837.	52.74	61.74	0.38	10.2
75+122		77.0	3695.0	6710.7	4374.9	835.	62.21	72.21	0.41	10.8
123	2 2	65.0	3660.0	6817.0	4372.2	833.	63.22	73.22	0.41	10.7
124	2 2	55.0	3603.0	6940.5	4368.2	832.	64.38	74.38	0.41	10.7
84+124		55.0	3603.0	7338.5	4381.5	831.	71.79	80.29	0.42	10.9
125	2 2	43.0	3552.0	7445.1	4377.0	830.	72.76	81.26	0.41	10.9
126	2 2	33.0	3505.0	7551.8	4373.1	828.	73.75	82.25	0.41	10.9
97+126		33.0	3505.0	8385.5	4370.6	823.	83.80	91.80	0.42	10.9
127	2 2	24.0	3455.0	8441.5	4367.8	822.	84.29	92.29	0.42	10.9
128	2 2	14.0	3420.0	8545.0	4363.3	820.	85.21	93.21	0.42	10.9
102+128		14.0	3420.0	8861.7	4353.0	817.	88.10	96.10	0.42	10.8
129	2 2	0.0	3350.0	9189.9	4332.8	811.	90.80	98.80	0.42	10.8

\*\*\*\*\*  
 \* CUENCA DEL RIO MANTARO MED : REGIMEN # 1 \*  
 \* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) \*  
 \* AMAX = 4870. : AMIN = 2300. \*  
 \*\*\*\*\*

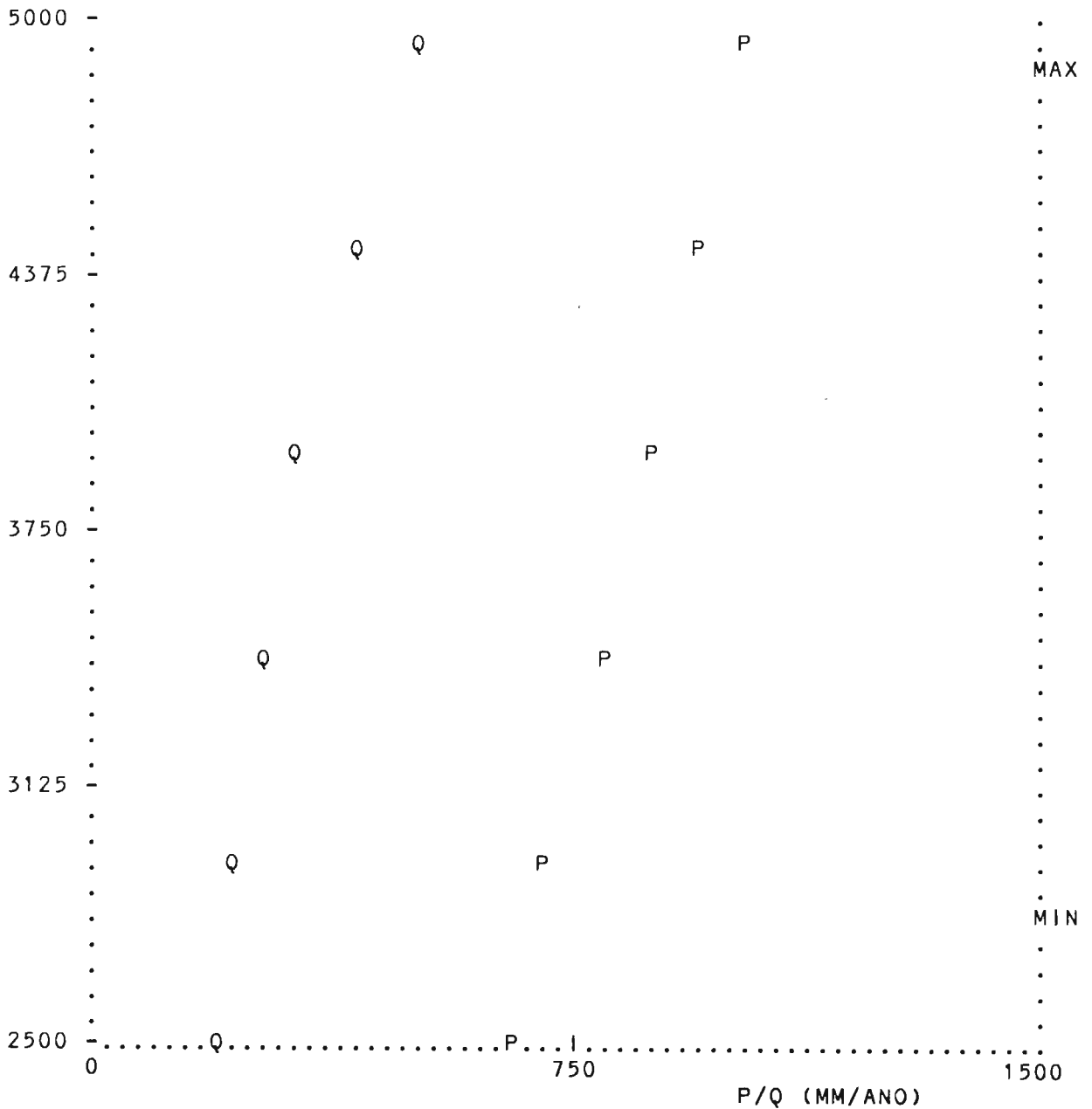
ALTURA (M.S.N.M.)



A :	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
Q :	190	100	110	125	150	170	250	350	450	550
P :	360	400	450	500	560	630	700	770	860	940
K :	.528	.250	.244	.250	.268	.270	.357	.455	.523	.585

\*\*\*\*\*  
 \* CUENCA DEL RIO MANTARO MED : REGIMEN # 2 \*  
 \* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) \*  
 \* AMAX = 4900. : AMIN = 2820. \*  
 \*\*\*\*\*

ALTURA (M.S.N.M.)



A :	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
Q :	170	180	200	220	250	290	340	430	550	650
P :	470	550	610	690	750	850	910	1000	1060	1150
K :	.362	.327	.328	.319	.333	.341	.374	.430	.519	.565

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 AGUACHI

1	1 1	19.0	4300.0	0.6	4312.0	744.	0.01	0.01	0.63	14.9
2	1 1	10.0	3750.0	33.3	4094.0	713.	1.43	0.43	0.57	12.8
3	1 1	0.0	3460.0	67.9	3954.9	694.	1.79	0.79	0.53	11.7

AFLUENTE CONAS SUPER I

4	1 1	94.0	4540.0	6.2	4600.0	788.	0.06	0.06	0.40	10.0
5	1 1	79.0	4290.0	97.2	4581.3	785.	0.96	0.96	0.40	9.9
6	1 1	69.0	3935.0	309.6	4514.5	773.	2.95	2.95	0.39	9.5
7	1 1	59.0	3775.0	410.0	4453.7	764.	3.78	3.78	0.38	9.2
8	1 1	49.0	3650.0	734.5	4428.2	760.	5.66	6.66	0.38	9.1
9	1 1	39.0	3540.0	906.2	4374.5	753.	5.96	7.96	0.37	8.8
10	1 1	31.0	3475.0	1010.4	4321.4	745.	6.60	8.60	0.36	8.5

AFLUENTE CONAS MEDIO

10	1 1	31.0	3475.0	1010.4	4321.4	745.	6.60	8.60	0.36	8.5
11	1 1	29.0	3460.0	1472.9	4232.1	733.	12.29	14.29	0.42	9.7
3+ 11		29.0	3460.0	1540.8	4219.9	731.	14.08	15.08	0.42	9.8
12	1 1	17.0	3400.0	1611.7	4207.6	729.	15.90	15.90	0.43	9.9

AFLUENTE CONAS INFER I

12	1 1	17.0	3400.0	1611.7	4207.6	729.	15.90	15.90	0.43	9.9
13	1 1	10.0	3260.0	1680.5	4194.6	727.	16.39	16.39	0.42	9.8
14	1 1	0.0	3200.0	1770.0	4152.8	722.	16.85	16.85	0.42	9.5

AFLUENTE SANTO

15	2 2	23.0	4460.0	20.4	4730.0	1028.	0.33	0.33	0.50	16.3
16	2 2	10.0	3650.0	500.4	4541.0	1005.	7.40	7.40	0.46	14.8
17	2 2	0.0	3350.0	557.7	4493.7	997.	8.08	8.08	0.46	14.5

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 AMARAES SUPE										
18	1 1	45.0	4555.0	10.8	4750.0	815.	0.13	0.13	0.45	11.7
19	1 1	34.0	4180.0	347.3	4779.1	820.	4.11	4.11	0.45	11.8
20	1 1	24.0	3955.0	422.9	4729.5	311.	4.38	4.88	0.45	11.5
21	1 1	14.0	3700.0	551.9	4652.5	798.	5.12	6.12	0.44	11.1
22	1 1	4.0	3530.0	613.7	4596.1	790.	5.60	6.60	0.43	10.8
AFLUENTE AMARAES INFE										
22	1 1	4.0	3530.0	613.7	4596.1	790.	5.60	6.60	0.43	10.8
23	1 1	0.0	3350.0	624.1	4530.4	787.	5.66	6.66	0.43	10.7
AFLUENTE CANIPACO INF										
24	1 1	77.0	4700.0	5.5	4750.0	815.	0.07	0.07	0.47	12.2
25	1 1	66.0	4440.0	53.7	4719.5	810.	0.64	0.64	0.47	12.0
26	1 1	56.0	4100.0	262.8	4649.9	797.	3.03	3.03	0.46	11.5
27	1 1	46.0	3900.0	355.8	4575.9	735.	3.95	3.95	0.45	11.1
28	1 1	36.0	3640.0	388.0	4524.2	777.	4.18	4.18	0.44	10.8
29	1 1	24.0	3350.0	446.3	4425.9	763.	4.56	4.56	0.42	10.2
23+ 29		24.0	3350.0	1070.4	4516.0	777.	10.22	11.22	0.43	10.5
30	1 1	10.0	3135.0	1298.4	4415.4	762.	10.89	12.89	0.41	9.9
31	1 1	0.0	3030.0	1318.8	4401.7	760.	11.00	13.00	0.41	9.9
AFLUENTE VILCA SUPERI										
32	2 2	78.0	4700.0	1.5	4770.0	1032.	0.02	0.02	0.51	16.6
33	2 2	66.0	4365.0	67.9	4603.8	1012.	1.04	1.04	0.48	15.3
34	2 2	56.0	4150.0	272.6	4643.7	1017.	4.26	4.26	0.43	15.6
35	2 2	46.0	3870.0	551.6	4596.3	1012.	8.40	8.40	0.47	15.2
36	2 2	36.0	3625.0	615.7	4577.4	1009.	9.30	9.30	0.47	15.1
37	2 2	26.0	3350.0	750.6	4479.1	992.	11.36	10.86	0.46	14.5
17+ 37		26.0	3350.0	1308.3	4485.3	994.	19.44	18.94	0.46	14.5
38	2 2	13.0	3205.0	1617.8	4416.2	982.	23.71	22.71	0.45	14.0
39	2 2	3.0	3030.0	1747.9	4385.2	977.	26.20	24.20	0.45	13.8
AFLUENTE VILCA INFERI										
39	2 2	3.0	3030.0	1747.9	4385.2	977.	26.20	24.20	0.45	13.8
31+ 39		3.0	3030.0	3066.7	4392.3	884.	37.20	37.20	0.43	12.1
40	2 2	0.0	2985.0	3080.5	4388.1	884.	37.32	37.32	0.43	12.1
AFLUENTE PALLCA										
41	2 2	28.0	4471.0	6.4	4620.0	1014.	0.09	0.09	0.43	13.8
42	2 2	20.0	3965.0	45.3	4491.2	997.	0.59	0.59	0.41	12.9
43	2 2	10.0	3515.0	136.5	4346.7	972.	1.66	1.66	0.39	12.1
44	2 2	0.0	2930.0	192.9	4186.9	947.	2.20	2.20	0.38	11.4

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

AFLUENTE ICHU

45	2 2	97.0	4800.0	2.2	4900.0	1048.	0.03	0.03	0.48	15.8
46	2 2	35.0	4490.0	50.5	4737.4	1023.	0.74	0.74	0.45	14.7
47	2 2	75.0	4380.0	173.3	4676.9	1021.	2.54	2.54	0.44	14.2
48	2 2	65.0	4000.0	397.7	4759.7	1031.	5.89	5.39	0.45	14.3
49	2 2	55.0	3690.0	526.0	4708.6	1025.	7.60	7.60	0.44	14.5
50	2 2	45.0	3550.0	683.4	4557.4	1001.	9.32	9.32	0.43	13.5
51	2 2	35.0	3375.0	791.9	4479.5	988.	10.37	10.37	0.42	13.1
52	2 2	25.0	3240.0	1017.2	4327.0	965.	12.54	12.54	0.40	12.3
53	2 2	15.0	3115.0	1150.0	4257.4	955.	13.79	13.79	0.40	12.0
54	2 2	5.0	2930.0	1197.7	4232.0	952.	14.22	14.22	0.39	11.9
44+ 54		5.0	2930.0	1390.6	4225.7	951.	16.42	16.42	0.39	11.8
55	2 2	0.0	2840.0	1411.5	4215.0	949.	16.60	16.60	0.39	11.8

AFLUENTE ASHUARMA SP

56	2 2	44.0	4550.0	1.3	4700.0	1024.	0.03	0.03	0.52	16.7
57	1 1	32.0	4110.0	86.2	4552.2	784.	1.09	1.09	0.51	12.7
58	1 1	22.0	3895.0	229.9	4490.3	771.	3.81	2.81	0.50	12.2
59	1 1	12.0	3550.0	570.0	4402.0	757.	7.60	6.60	0.48	11.6

AFLUENTE ASHUARMA IF

59	1 1	12.0	3550.0	570.0	4402.0	757.	7.60	6.60	0.48	11.6
60	1 1	0.0	3245.0	632.3	4350.8	750.	7.83	6.83	0.45	10.8

AFLUENTE HUAYANAY

61	1 1	37.0	4500.0	1.0	4520.0	774.	0.01	0.01	0.23	5.7
62	1 1	30.0	4070.0	33.3	4253.1	736.	0.16	0.16	0.21	4.8
63	1 1	20.0	3855.0	55.8	4097.5	714.	0.25	0.25	0.19	4.4
64	1 1	10.0	3530.0	91.0	4033.8	705.	0.38	0.38	0.19	4.2
65	1 1	0.0	2940.0	458.2	4038.8	705.	1.90	1.90	0.19	4.1

AFLUENTE PACCHU

66	1 1	33.0	4490.0	2.6	4600.0	788.	0.02	0.02	0.24	5.9
67	1 1	20.0	3960.0	123.5	4494.3	769.	0.69	0.69	0.23	5.6
68	1 1	10.0	3450.0	205.0	4332.0	747.	1.04	1.04	0.21	5.1
69	1 1	0.0	2950.0	252.0	4183.9	726.	1.17	1.17	0.20	4.7

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 PONGORA

70	1 1	61.0	4330.0	2.1	4360.0	750.	0.01	0.01	0.22	5.2
71	1 1	50.0	3740.0	39.4	4131.8	718.	0.17	0.17	0.19	4.4
72	1 1	40.0	3050.0	266.7	3997.3	700.	1.07	1.07	0.18	4.0
73	1 1	30.0	2770.0	430.1	3869.5	682.	1.59	1.59	0.17	3.7
74	1 1	20.0	2575.0	567.4	3738.0	663.	1.95	1.95	0.16	3.4
75	1 1	10.0	2470.0	1115.6	3623.0	647.	3.45	3.45	0.15	3.1
76	1 1	0.0	2400.0	1275.7	3563.0	639.	3.85	3.85	0.15	3.0

AFLUENTE CACHIMAYO

77	1 1	131.0	4860.0	0.2	4870.0	837.	0.00	0.00	0.26	6.8
78	1 1	118.0	4310.0	146.9	4783.1	822.	0.96	0.96	0.25	6.5
79	1 1	108.0	3825.0	276.5	4688.7	804.	1.72	1.72	0.24	6.2
80	1 1	98.0	3615.0	346.0	4578.9	787.	2.03	2.03	0.24	5.9
81	1 1	88.0	3420.0	403.4	4481.0	773.	2.25	2.25	0.23	5.6
82	1 1	78.0	3270.0	1036.7	4217.7	732.	4.89	4.89	0.20	4.7
83	1 1	68.0	3135.0	1180.0	4161.2	724.	5.37	5.37	0.20	4.6
84	1 1	58.0	2950.0	1254.1	4130.6	720.	5.60	5.60	0.20	4.5
69+ 84		58.0	2950.0	1506.1	4139.5	721.	6.78	6.78	0.20	4.5
85	1 1	43.0	2700.0	1648.2	4081.1	713.	7.16	7.16	0.19	4.3
86	1 1	33.0	2565.0	1718.3	4039.6	707.	7.33	7.33	0.19	4.3
87	1 1	23.0	2400.0	1941.8	3939.2	693.	7.90	7.90	0.19	4.1
76+ 87		23.0	2400.0	3217.5	3790.1	671.	11.74	11.74	0.17	3.7
88	1 1	10.0	2275.0	3511.7	3733.9	663.	12.48	12.48	0.17	3.6
89	1 1	0.0	2140.0	3643.6	3710.3	660.	12.80	12.80	0.17	3.5

AFLUENTE HUARPA SUPER

90	2 2	126.0	4750.0	2.7	4820.0	1038.	0.04	0.04	0.44	14.5
91	2 2	116.0	4270.0	73.6	4726.6	1027.	1.02	1.02	0.42	13.8
92	2 2	106.0	3920.0	213.6	4693.4	1023.	2.90	2.90	0.42	13.6
93	2 2	96.0	3610.0	348.7	4603.8	1012.	4.54	4.54	0.41	13.0
94	2 2	86.0	3425.0	640.5	4493.2	995.	6.90	7.90	0.39	12.3
95	2 2	78.0	3250.0	960.1	4323.7	967.	10.00	11.00	0.37	11.5

AFLUENTE HUARPA MEDIO

95	2 2	73.0	3250.0	960.1	4323.7	967.	10.00	11.00	0.37	11.5
96	1 1	76.0	3245.0	964.5	4324.9	965.	10.01	11.01	0.37	11.4
60+ 96		76.0	3245.0	1596.8	4335.2	880.	17.34	17.84	0.40	11.2
97	1 1	65.0	3085.0	1695.5	4313.0	859.	18.23	18.23	0.39	10.8
98	1 1	55.0	2940.0	1794.6	4276.5	857.	18.54	18.54	0.38	10.3
65+ 98		55.0	2940.0	2252.8	4228.2	826.	20.44	20.44	0.35	9.1
99	1 1	47.0	2790.0	2366.1	4193.5	817.	20.75	20.75	0.34	8.8
100	1 1	37.0	2650.0	2535.9	4138.9	803.	21.20	21.20	0.33	8.4
101	1 1	27.0	2500.0	2641.9	4104.9	795.	21.47	21.47	0.32	8.1
102	1 1	17.0	2320.0	3093.0	4041.6	774.	22.90	22.90	0.30	7.4
103	1 1	7.0	2190.0	3155.0	4015.6	770.	23.04	23.04	0.30	7.3
89+103		7.0	2190.0	6793.6	3852.0	711.	35.84	35.84	0.23	5.3
104	1 1	4.0	2170.0	6828.2	3846.6	710.	35.90	35.90	0.23	5.3



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 HUARPA INFER

104	1 1	4.0	2170.0	6828.2	3846.6	710.	35.90	35.90	0.23	5.3
105	1 1	0.0	2140.0	6846.1	3842.5	709.	36.11	36.11	0.23	5.3

AFLUENTE MANTARO MEDC

106	1 1	314.0	3350.0	0.1	4318.0	745.	90.80	0.00	0.41	9.7
107	1 1	294.0	3270.0	527.6	3967.1	695.	94.79	3.99	0.34	7.6
108	1 1	274.0	3200.0	1294.2	4033.4	705.	101.08	10.28	0.36	7.9
14+103		274.0	3200.0	3064.2	4102.4	714.	117.93	27.13	0.39	3.9
109	1 1	263.0	3173.0	3694.3	4094.0	713.	123.00	32.20	0.39	3.7
110	1 1	253.0	3105.0	3830.9	4083.7	712.	123.93	33.13	0.38	3.6
111	1 1	243.0	3060.0	3875.8	4080.0	711.	124.22	33.42	0.38	3.6
112	2 2	233.0	2985.0	3942.0	4072.3	714.	124.84	34.04	0.38	3.6
40+112		233.0	2985.0	7022.5	4210.8	788.	162.16	71.36	0.41	10.2
113	2 2	223.0	2930.0	7169.5	4205.0	791.	163.67	72.87	0.41	10.2
114	2 2	213.0	2920.0	7286.8	4197.7	792.	164.81	74.01	0.40	10.2
115	2 2	203.0	2840.0	7629.8	4185.0	797.	168.33	77.53	0.40	10.2
55+115		203.0	2840.0	9041.3	4189.7	821.	184.93	94.13	0.40	10.4
116	2 2	194.0	2790.0	9107.8	4185.8	821.	185.55	94.75	0.40	10.4
117	2 2	184.0	2670.0	9233.3	4181.9	822.	186.89	96.09	0.40	10.4
118	2 2	174.0	2590.0	9345.8	4177.4	823.	187.95	97.15	0.40	10.4
119	2 2	164.0	2540.0	9407.7	4172.8	823.	188.50	97.70	0.40	10.4

AFLUENTE MANTARO MEDD

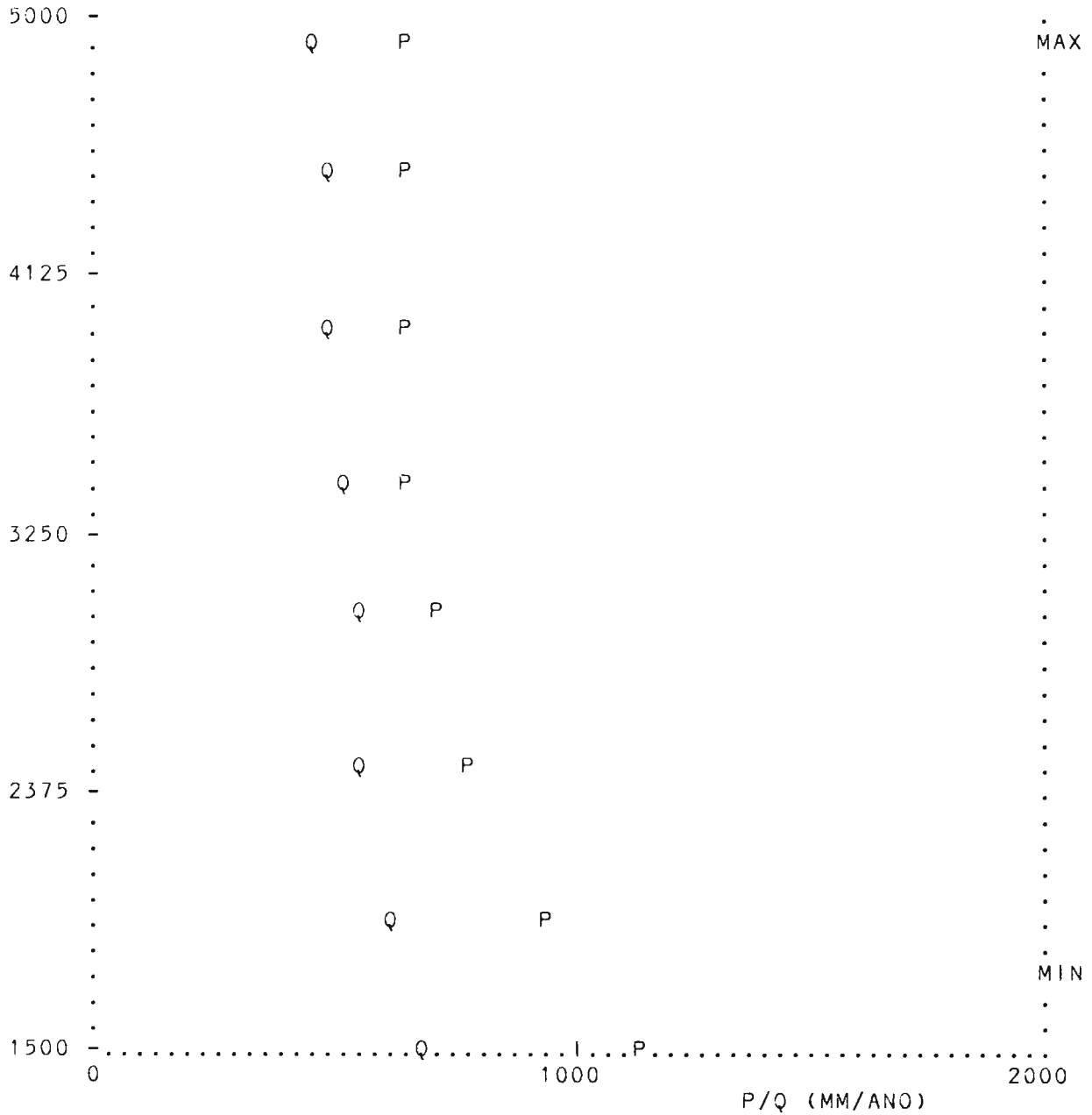
119	2 2	164.0	2540.0	9407.7	4172.8	823.	188.50	97.70	0.40	10.4
120	2 2	154.0	2490.0	9528.8	4166.8	824.	192.21	101.41	0.41	10.6
121	2 2	144.0	2435.0	9670.5	4159.1	824.	196.48	105.68	0.42	10.9
122	2 2	134.0	2380.0	9800.3	4151.4	825.	200.29	109.49	0.43	11.2
123	2 2	124.0	2335.0	9899.4	4142.5	825.	202.95	112.15	0.43	11.3
124	2 2	114.0	2290.0	10055.0	4131.0	825.	207.29	116.49	0.44	11.6
125	2 2	104.0	2188.0	10193.4	4118.8	824.	211.14	120.34	0.45	11.8
126	2 2	94.0	2140.0	10339.8	4104.2	823.	214.69	123.89	0.46	12.0
105+126		94.0	2140.0	17185.9	3999.9	778.	250.80	160.00	0.38	9.3
127	2 2	84.0	2104.0	17223.1	3997.4	778.	251.63	160.88	0.38	9.3
128	2 2	74.0	2045.0	17441.5	3992.0	779.	258.09	167.29	0.39	9.6
129	2 2	64.0	2015.0	17570.2	3989.5	780.	261.96	171.16	0.39	9.7
130	2 2	54.0	1960.0	17730.6	3986.3	780.	266.79	175.99	0.40	9.9
131	2 2	44.0	1908.0	17863.3	3982.6	781.	270.57	179.77	0.41	10.1
132	2 2	20.0	1730.0	18340.0	3968.7	782.	284.05	193.25	0.42	10.5
133	2 2	0.0	1600.0	18580.0	3958.3	782.	290.30	199.50	0.43	10.7

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* CUENCA DEL RIO MANTARO INF : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 4950. : AMIN = 1789. *
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ALTURA (M.S.N.M.)



A :	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
Q :	760	720	650	600	580	540	520	510	500	500
P :	1500	1170	970	820	740	700	690	680	670	660
K :	.507	.615	.670	.732	.784	.771	.754	.750	.746	.758

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO MANTARO INF

2/14/79

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 UPAMAYU

1	1 1	33.0	4192.0	0.2	4214.0	636.	0.00	0.00	0.75	16.4
2	1 1	20.0	3255.0	111.5	3814.7	694.	1.86	1.86	0.76	16.7
3	1 1	10.0	3162.0	185.7	3764.9	695.	3.12	3.12	0.76	16.8
4	1 1	0.0	1510.0	260.2	3723.4	695.	4.38	4.38	0.76	16.3

AFLUENTE HUANCHUY

5	1 1	49.0	4730.0	0.4	4782.0	674.	0.01	0.01	0.75	16.0
6	1 1	23.0	2500.0	207.9	3921.7	692.	3.45	3.45	0.76	16.6
7	1 1	1.0	1510.0	701.5	3761.5	695.	11.78	11.78	0.76	16.8
4+ 7		1.0	1510.0	961.7	3751.2	695.	16.16	16.16	0.76	16.8
8	1 1	0.0	1395.0	962.7	3750.5	695.	16.18	16.18	0.76	16.8

AFLUENTE MATIBAMBA

9	1 1	39.0	4500.0	3.2	4625.0	677.	0.05	0.05	0.75	16.1
10	1 1	20.0	3300.0	145.1	4209.4	686.	2.37	2.37	0.75	16.4
11	1 1	10.0	2731.0	206.3	4101.3	688.	3.39	3.39	0.75	16.5
12	1 1	0.0	1520.0	328.8	3836.3	696.	5.53	5.53	0.76	16.8

AFLUENTE PARIHUANCA

13	1 1	50.0	4660.0	4.2	4950.0	671.	0.07	0.07	0.75	15.9
14	1 1	39.0	3520.0	37.7	4531.1	679.	1.42	1.42	0.75	16.2
15	1 1	29.0	2680.0	215.5	3996.7	690.	3.58	3.58	0.76	16.6
16	1 1	19.0	2100.0	349.5	3710.4	702.	5.96	5.96	0.77	17.1
17	1 1	9.0	1520.0	611.8	3594.5	703.	10.49	10.49	0.77	17.2
12+ 17		9.0	1520.0	940.6	3679.0	700.	16.02	16.02	0.77	17.0
18	1 1	0.0	1096.0	1099.6	3586.9	706.	18.93	18.93	0.77	17.2

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO MANTARO INF

2/14/79

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 PUNTO

19	1 1	29.0	4350.0	0.3	4370.0	683.	0.00	0.00	0.75	16.3
20	1 1	10.0	3310.0	177.3	3915.8	692.	2.94	2.94	0.76	16.6
21	1 1	0.0	2200.0	238.9	3753.6	698.	4.03	4.03	0.76	16.9

AFLUENTE SN FERNANDO

22	1 1	65.0	4225.0	0.8	4275.0	684.	0.01	0.01	0.75	16.3
23	1 1	42.0	2890.0	188.1	3929.5	691.	3.12	3.12	0.76	16.6
24	1 1	32.0	2200.0	305.6	3743.2	696.	5.15	5.15	0.76	16.8
21+ 24		32.0	2200.0	544.5	3747.8	697.	9.18	9.18	0.76	16.9
25	1 1	20.0	1760.0	844.8	3454.2	717.	14.73	14.73	0.77	17.4
26	1 1	10.0	1450.0	1012.3	3301.3	733.	17.91	17.91	0.76	17.7
27	1 1	0.0	1030.0	1170.8	3184.7	747.	20.96	20.96	0.76	17.9

AFLUENTE PARAISO

28	1 1	33.0	4200.0	0.2	4272.0	685.	0.00	0.00	0.75	16.3
29	1 1	12.0	1480.0	182.9	3115.3	731.	3.31	3.31	0.78	18.1
30	1 1	0.0	808.0	419.3	3047.5	736.	7.66	7.66	0.78	18.3

AFLUENTE UCHUYUNCA

31	1 1	21.0	4350.0	0.2	4400.0	682.	0.00	0.00	0.75	16.2
32	1 1	0.0	1630.0	92.5	2477.2	828.	1.77	1.77	0.73	19.1

AFLUENTE QUINQUIPUNCO

33	1 1	40.0	4325.0	0.6	4414.0	682.	0.01	0.01	0.75	16.2
34	1 1	26.0	2391.0	65.6	3513.3	700.	1.12	1.12	0.77	17.1
35	1 1	16.0	1630.0	260.3	3233.3	722.	4.63	4.63	0.78	17.8
32+ 35		16.0	1630.0	352.8	3035.1	749.	6.40	6.40	0.76	18.1
36	1 1	0.0	583.0	540.2	3059.3	743.	9.80	9.80	0.77	18.1