

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 SABALOYACU

36	1 1	60.0	351.0	80.0	425.0	2995.	4.94	4.94	0.65	61.8
37	1 1	30.0	333.0	630.0	397.9	2996.	38.48	38.48	0.64	61.1
38	1 1	0.0	315.0	910.0	393.0	2994.	55.26	55.26	0.64	60.7

AFLUENTE PAVAYACU

39	1 1	40.0	325.0	30.0	462.0	2988.	1.86	1.86	0.66	62.1
40	1 1	0.0	301.0	740.0	410.2	2998.	45.59	45.59	0.65	61.6

AFLUENTE CAPIRINA

41	1 1	95.0	351.0	80.0	475.0	2985.	4.98	4.98	0.66	62.2
42	1 1	60.0	330.0	620.0	433.2	2993.	38.34	38.34	0.65	61.8
43	1 1	30.0	312.0	1010.0	412.7	2991.	61.64	61.64	0.64	61.0
44	1 1	0.0	294.0	1360.0	401.2	2989.	82.17	82.17	0.64	60.4

AFLUENTE COPALYACU

45	1 1	110.0	343.0	20.0	521.0	2976.	1.25	1.25	0.66	62.7
46	1 1	90.0	331.0	240.0	432.1	2994.	14.84	14.84	0.65	61.8
47	1 1	60.0	313.0	520.0	404.6	2991.	31.59	31.59	0.64	60.7
48	1 1	30.0	295.0	940.0	389.1	2987.	56.31	56.31	0.63	59.9
49	1 1	0.0	277.0	1200.0	382.2	2984.	71.31	71.31	0.63	59.4

AFLUENTE CORRIENTES

50	1 1	290.0	410.0	30.0	530.0	2974.	101.88	1.88	0.67	62.8
51	1 1	265.0	392.0	760.0	469.5	2986.	147.26	47.26	0.66	62.2
52	1 1	235.0	371.0	1220.0	463.6	2987.	175.79	75.79	0.66	62.1
29+ 52		235.0	371.0	2090.0	449.0	2990.	229.55	129.55	0.65	62.0
53	1 1	205.0	350.0	3060.0	446.2	2991.	289.59	189.59	0.65	62.0
32+ 53		205.0	350.0	4460.0	449.3	2990.	376.45	276.46	0.65	62.0
54	1 1	185.0	336.0	4740.0	448.1	2990.	393.76	293.76	0.65	62.0
35+ 54		185.0	336.0	5810.0	447.0	2991.	460.01	360.01	0.65	62.0
55	1 1	155.0	315.0	6240.0	445.0	2991.	486.54	386.54	0.65	61.9
38+ 55		155.0	315.0	7150.0	438.4	2991.	541.79	441.79	0.65	61.8
56	1 1	135.0	301.0	7650.0	436.2	2992.	572.58	472.58	0.65	61.8
40+ 56		135.0	301.0	8390.0	433.9	2992.	618.17	518.17	0.65	61.8
57	1 1	125.0	294.0	8720.0	432.5	2993.	638.41	538.41	0.65	61.7
44+ 57		125.0	294.0	10080.0	428.3	2992.	720.59	620.59	0.65	61.6
58	1 1	100.0	277.0	10350.0	427.3	2992.	736.96	636.96	0.65	61.5
49+ 58		100.0	277.0	11550.0	422.6	2991.	808.26	708.26	0.65	61.3
59	1 1	50.0	242.0	12170.0	420.1	2991.	844.92	744.92	0.65	61.2
60	1 1	0.0	207.0	12660.0	416.7	2990.	872.15	772.15	0.64	61.0

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 TIGRILLO

61	1 1	50.0	162.0	30.0	306.0	2944.	1.60	1.60	0.57	53.2
62	1 1	0.0	137.0	790.0	267.5	2894.	39.47	39.47	0.54	50.0

AFLUENTE TIGRE

63	1 1	439.0	426.0	60.0	513.0	2977.	203.76	3.76	0.66	62.6
64	1 1	419.0	411.0	490.0	483.2	2983.	230.53	30.53	0.66	62.3
2+ 64		419.0	411.0	730.0	482.7	2983.	248.60	48.60	0.66	62.3
65	1 1	414.0	403.0	1090.0	480.0	2984.	267.88	67.88	0.66	62.3
4+ 65		414.0	403.0	1380.0	481.7	2984.	285.97	85.97	0.66	62.3
66	1 1	384.0	387.0	1850.0	477.5	2985.	315.17	115.17	0.66	62.3
67	1 1	334.0	351.0	3650.0	462.0	2988.	426.69	226.69	0.66	62.1
6+ 67		334.0	351.0	4090.0	459.8	2988.	453.93	253.93	0.66	62.1
68	1 1	332.0	350.0	4200.0	459.1	2988.	460.73	260.73	0.66	62.1
8+ 68		332.0	350.0	4570.0	457.7	2988.	483.64	283.64	0.65	62.1
69	1 1	292.0	322.0	5490.0	449.2	2990.	540.30	340.30	0.65	62.0
70	1 1	252.0	293.0	6490.0	439.8	2991.	600.75	400.75	0.65	61.7
10+ 70		252.0	293.0	7270.0	436.0	2991.	648.77	448.77	0.65	61.7
71	1 1	242.0	286.0	7350.0	435.4	2991.	653.52	453.52	0.65	61.7
19+ 71		242.0	286.0	12860.0	435.2	2992.	994.31	794.31	0.65	61.8
72	1 1	182.0	244.0	14330.0	425.3	2989.	1077.30	377.30	0.65	61.2
21+ 72		182.0	244.0	14590.0	425.0	2989.	1092.82	392.82	0.65	61.2
73	1 1	152.0	223.0	15040.0	421.9	2988.	1117.42	917.42	0.64	61.0
24+ 73		152.0	223.0	15600.0	418.6	2987.	1143.38	948.38	0.64	60.8
74	1 1	132.0	209.0	15800.0	416.8	2936.	1158.47	958.47	0.64	60.7
26+ 74		132.0	209.0	16070.0	415.2	2936.	1173.28	973.28	0.64	60.6
75	1 1	130.0	207.0	16140.0	414.6	2985.	1176.80	976.80	0.64	60.5
60+ 75		130.0	207.0	28800.0	415.5	2937.	2048.95	1748.95	0.64	60.7
76	1 1	80.0	172.0	29410.0	412.0	2985.	2078.19	1778.19	0.64	60.5
77	1 1	30.0	137.0	32650.0	392.8	2969.	2227.10	1927.10	0.63	59.0
62+ 77		30.0	137.0	33440.0	389.8	2967.	2266.57	1966.57	0.63	58.8
78	1 1	0.0	116.0	34120.0	386.1	2964.	2296.81	1996.81	0.62	58.5

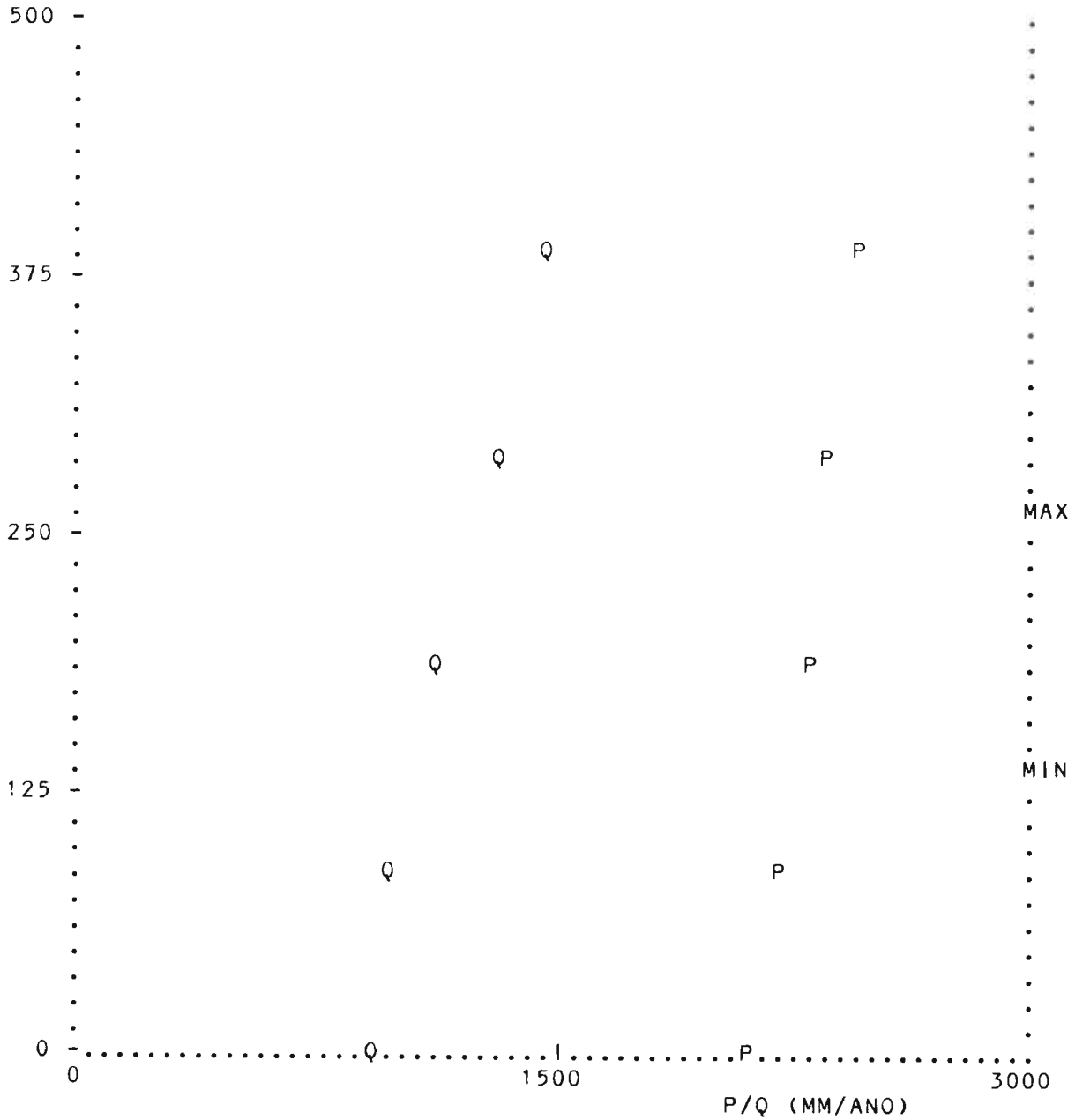
- I = NUMERO DEL PUNTO
- L = KILOMETRAJE
- H = ELEVACION DEL PUNTO
- AA = AREA TOTAL DE LA CUENCA HASTA EL PUNTO
- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
- PREC = PRECIPITACION MEDIA SOBRE TODA LA CUENCA HASTA EL PUNTO
- QM = CAUDAL MEDIO EN EL PUNTO
- QN = CAUDAL NATURAL EN EL PUNTO
- CEAT = 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 BAJO MARANON : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 270. : AMIN = 147. *
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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

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

AFLUENTE PAVAYACU

1	1 1	100.0	148.0	120.0	199.0	2399.	4.56	4.56	0.50	38.0
2	1 1	50.0	144.0	1060.0	182.2	2382.	39.37	39.37	0.49	37.1
3	1 1	0.0	139.0	1620.0	180.4	2380.	60.03	60.03	0.49	37.1

AFLUENTE NUCURAY

4	1 1	180.0	154.0	50.0	202.0	2401.	1.91	1.91	0.50	38.2
5	1 1	130.0	149.0	190.0	188.7	2388.	7.12	7.12	0.49	37.5
6	1 1	80.0	144.0	1370.0	182.1	2382.	50.89	50.89	0.49	37.1
7	1 1	30.0	139.0	2330.0	180.0	2380.	86.30	86.30	0.49	37.0
3+	7	30.0	139.0	3950.0	180.1	2380.	146.33	146.33	0.49	37.0
8	1 1	0.0	137.0	4200.0	179.4	2379.	155.42	155.42	0.49	37.0

AFLUENTE URITUYACU

9	1 1	170.0	147.0	40.0	198.0	2398.	1.52	1.52	0.50	38.0
10	1 1	150.0	146.0	320.0	183.1	2383.	11.90	11.90	0.49	37.2
11	1 1	100.0	142.0	1190.0	180.1	2380.	44.08	44.08	0.49	37.0
12	1 1	50.0	138.0	2910.0	177.7	2378.	107.44	107.44	0.49	36.9
13	1 1	0.0	135.0	3820.0	176.8	2377.	140.86	140.86	0.49	36.9

AFLUENTE YANAYACU

14	1 1	50.0	136.0	30.0	218.0	2409.	1.18	1.18	0.51	39.2
15	1 1	0.0	133.0	390.0	176.5	2376.	14.38	14.38	0.49	36.9

AFLUENTE PATAYACU

16	1 1	30.0	135.0	30.0	192.0	2392.	1.13	1.13	0.50	37.6
17	1 1	0.0	132.0	300.0	174.0	2374.	11.02	11.02	0.49	36.7

AFLUENTE CUINICO

18	1 1	55.0	134.0	10.0	217.0	2408.	0.39	0.39	0.51	39.1
19	1 1	25.0	132.0	310.0	173.5	2373.	11.38	11.38	0.49	36.7
17+	19	25.0	132.0	610.0	173.7	2374.	22.40	22.40	0.49	36.7
20	1 1	0.0	131.0	1350.0	172.2	2372.	49.47	49.47	0.49	36.6

AFLUENTE SHIRICYACU

21	1 1	35.0	131.0	30.0	190.0	2390.	1.13	1.13	0.50	37.5
22	1 1	0.0	129.0	360.0	171.7	2372.	13.18	13.18	0.49	36.6

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO MARANON BAJO 1/17/79

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 YURACYACU

23	1 1	30.0	134.0	60.0	192.0	2392.	2.26	2.26	0.50	37.6
24	1 1	0.0	131.0	380.0	174.3	2374.	13.96	13.96	0.49	36.7

AFLUENTE PACAYACU

25	1 1	70.0	136.0	40.0	193.0	2393.	1.51	1.51	0.50	37.7
26	1 1	50.0	134.0	310.0	175.6	2376.	11.41	11.41	0.49	36.8
27	1 1	0.0	129.0	740.0	172.9	2373.	27.14	27.14	0.49	36.7

AFLUENTE PATAYACU

28	1 1	115.0	138.0	20.0	244.0	2422.	0.82	0.82	0.53	40.8
29	1 1	100.0	137.0	280.0	210.6	2405.	10.84	10.84	0.51	38.7
30	1 1	50.0	132.0	960.0	207.3	2404.	36.98	36.98	0.51	38.5
31	1 1	0.0	128.0	1510.0	199.6	2397.	57.51	57.51	0.50	38.1

AFLUENTE TIGRILLO

32	1 1	120.0	136.0	30.0	243.0	2421.	1.22	1.22	0.53	40.8
33	1 1	100.0	134.0	210.0	212.1	2406.	8.15	8.15	0.51	38.8
34	1 1	50.0	129.0	930.0	192.7	2391.	35.07	35.07	0.50	37.7
35	1 1	0.0	124.0	1560.0	182.3	2381.	57.99	57.99	0.49	37.2

AFLUENTE CHAMBIRA

36	1 1	176.0	139.0	20.0	244.0	2422.	0.82	0.82	0.53	40.8
37	1 1	131.0	135.0	70.0	218.3	2409.	2.74	2.74	0.51	39.2
38	1 1	81.0	131.0	990.0	205.9	2403.	38.04	38.04	0.50	38.4
24+ 38		81.0	131.0	1370.0	197.2	2395.	52.01	52.01	0.50	38.0
39	1 1	41.0	129.0	1890.0	194.1	2393.	71.43	71.43	0.50	37.8
27+ 39		41.0	129.0	2630.0	188.1	2387.	98.57	98.57	0.50	37.5
40	1 1	40.0	128.0	2680.0	187.8	2387.	100.39	100.39	0.49	37.5
31+ 40		40.0	128.0	4190.0	192.0	2390.	157.91	157.91	0.50	37.7
41	1 1	20.0	126.0	4550.0	190.1	2389.	171.02	171.02	0.50	37.6
35+ 41		20.0	126.0	6110.0	188.1	2387.	229.01	229.01	0.50	37.5
42	1 1	0.0	124.0	7470.0	184.1	2383.	278.42	278.42	0.49	37.3

AFLUENTE YANAQUILLO

43	1 1	30.0	122.0	10.0	161.0	2361.	0.36	0.36	0.48	36.1
44	1 1	0.0	119.0	390.0	147.4	2347.	13.80	13.80	0.48	35.4

AFLUENTE CAUCHIO

45	1 1	35.0	134.0	20.0	192.0	2392.	0.75	0.75	0.50	37.6
46	1 1	0.0	131.0	70.0	177.0	2377.	2.58	2.58	0.49	36.9

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO MARANON BAJO 1/17/79

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 YANAYACUGRAN

47	1 1	95.0	132.0	40.0	203.0	2401.	1.53	1.53	0.50	38.2
48	1 1	50.0	129.0	970.0	171.4	2371.	35.50	35.50	0.49	36.6
49	1 1	0.0	124.0	1710.0	169.5	2369.	62.42	62.42	0.49	36.5

AFLUENTE SAMIRIA

50	1 1	270.0	142.0	60.0	221.0	2410.	2.36	2.36	0.52	39.4
51	1 1	245.0	139.0	430.0	196.9	2395.	16.31	16.31	0.50	37.9
52	1 1	195.0	135.0	1390.0	192.8	2392.	52.40	52.40	0.50	37.7
53	1 1	145.0	131.0	10660.0	181.7	2382.	395.74	395.74	0.49	37.1
46+ 53		145.0	131.0	10730.0	181.6	2382.	398.32	398.32	0.49	37.1
54	1 1	115.0	129.0	12880.0	181.0	2381.	477.73	477.73	0.49	37.1
55	1 1	65.0	124.0	14260.0	179.7	2380.	527.93	527.93	0.49	37.0
49+ 55		65.0	124.0	15970.0	178.6	2379.	590.35	590.35	0.49	37.0
56	1 1	50.0	123.0	16230.0	178.4	2378.	599.78	599.78	0.49	37.0
57	1 1	0.0	118.0	17360.0	176.3	2376.	639.74	639.74	0.49	36.9

AFLUENTE MARANONINFER

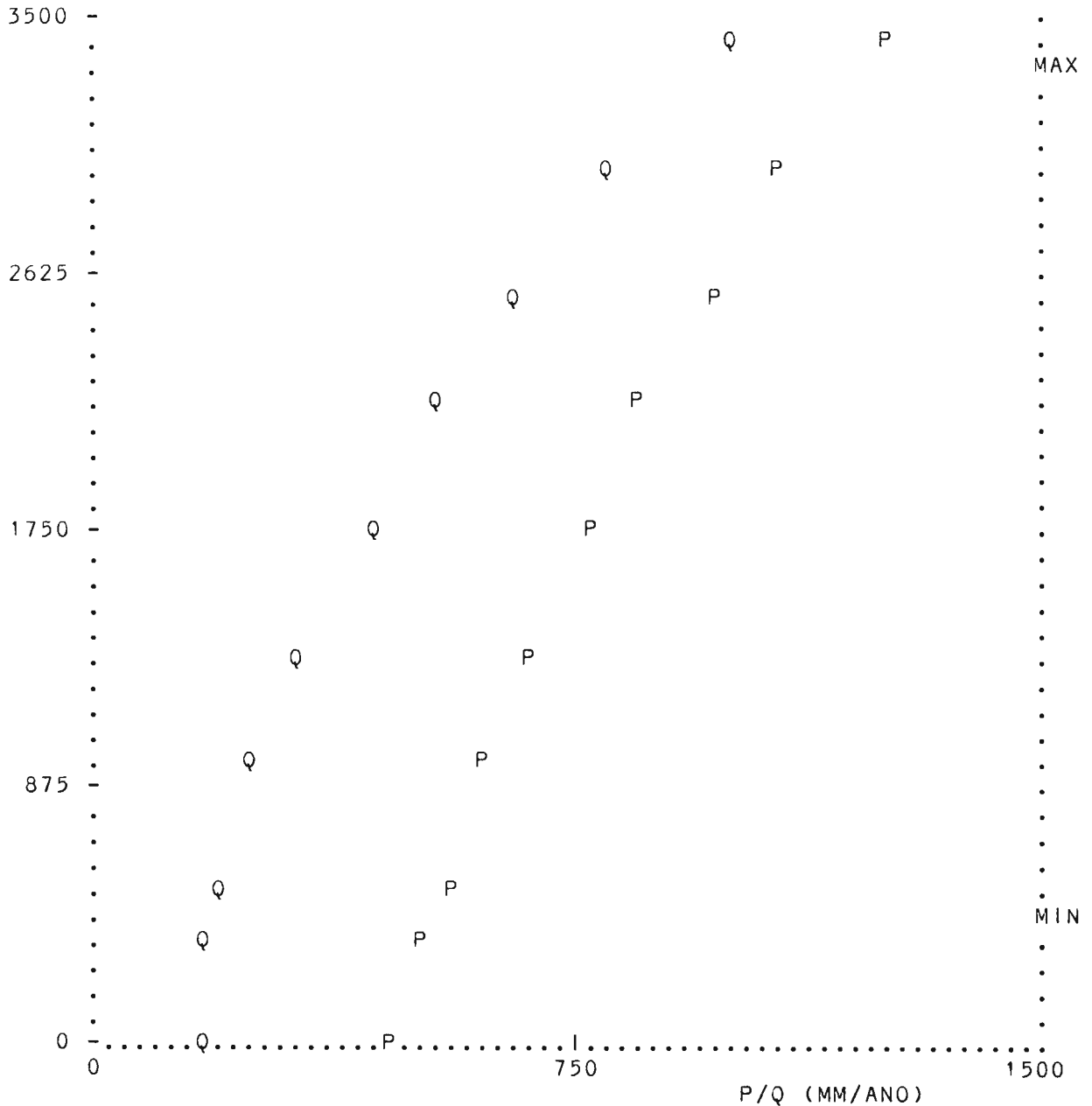
58	1 1	306.0	140.0	160.0	270.0	2435.	7473.50	6.80	0.55	42.5
59	1 1	296.0	137.0	540.0	227.1	2414.	7488.18	21.48	0.52	39.8
8+ 59		296.0	137.0	4740.0	184.8	2383.	7643.60	176.90	0.49	37.3
60	1 1	270.0	135.0	5340.0	187.3	2386.	7666.70	199.99	0.50	37.5
13+ 60		270.0	135.0	9160.0	182.9	2382.	7807.56	340.85	0.49	37.2
61	1 1	260.0	133.0	9270.0	183.2	2382.	7811.79	345.08	0.49	37.2
15+ 61		260.0	133.0	9660.0	182.9	2382.	7826.17	359.46	0.49	37.2
62	1 1	240.0	131.0	9980.0	182.8	2382.	7838.00	371.30	0.49	37.2
20+ 62		240.0	131.0	11330.0	181.5	2381.	7887.47	420.77	0.49	37.1
63	1 1	220.0	129.0	11760.0	181.4	2381.	7903.36	436.65	0.49	37.1
22+ 63		220.0	129.0	12120.0	181.1	2380.	7916.54	449.83	0.49	37.1
64	1 1	170.0	124.0	12760.0	180.9	2380.	7940.11	473.41	0.49	37.1
42+ 64		170.0	124.0	20230.0	182.1	2381.	8218.53	751.82	0.49	37.2
65	1 1	160.0	123.0	20640.0	181.9	2381.	8233.59	766.88	0.49	37.2
66	1 1	110.0	119.0	22530.0	180.4	2380.	8302.05	835.35	0.49	37.1
44+ 66		110.0	119.0	22920.0	179.8	2379.	8315.85	849.15	0.49	37.0
67	1 1	100.0	118.0	23140.0	179.7	2379.	*10620.	857.10	0.49	37.0
57+ 67		100.0	118.0	40500.0	178.2	2378.	*11260.	1496.84	0.49	37.0
68	1 1	50.0	115.0	42330.0	177.5	2377.	*11326.	1562.85	0.49	36.9
69	1 1	0.0	110.0	44730.0	176.0	2376.	*11411.	1648.09	0.49	36.8

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* CUENCA DEL RIO UTCUBAMBA : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 3366. : AMIN = 497. *
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ALTURA (M.S.N.M.)



A :	0	400	600	1000	1400	1800	2200	2600	3000	3500
Q :	190	200	210	260	340	470	570	700	850	1040
P :	500	550	580	645	720	805	900	1006	1125	1290
K :	.380	.364	.362	.403	.472	.584	.633	.696	.756	.806

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 LA JALCA

1	1 1	11.0	3000.0	6.0	3100.0	1158.	0.17	0.17	0.77	28.2
2	1 1	0.0	1450.0	106.0	2683.0	1031.	2.46	2.46	0.71	23.2

AFLUENTE CHILIQVIN

3	1 1	11.0	1980.0	27.0	2120.0	881.	0.47	0.47	0.62	17.4
4	1 1	0.0	1000.0	217.0	1941.4	839.	3.48	3.48	0.60	16.0

AFLUENTE SONCHE

5	1 1	33.0	1700.0	10.0	2033.0	860.	0.17	0.17	0.61	16.8
6	1 1	4.0	1000.0	540.0	1934.9	837.	8.63	8.63	0.60	16.0
4+	6	4.0	1000.0	757.0	1936.7	837.	12.10	12.10	0.60	16.0
7	1 1	0.0	870.0	767.0	1929.3	836.	12.21	12.21	0.60	15.9

AFLUENTE LAMUD

8	1 1	12.0	2900.0	90.0	3000.0	1125.	2.43	2.43	0.76	27.0
9	1 1	4.0	1950.0	290.0	2642.1	1021.	6.62	6.62	0.70	22.8
10	1 1	0.0	840.0	350.0	2441.8	972.	7.31	7.31	0.68	20.9

AFLUENTE TOTO

11	1 1	10.0	2000.0	8.0	2300.0	926.	0.15	0.15	0.65	19.1
12	1 1	0.0	710.0	108.0	1598.1	763.	1.38	1.38	0.53	12.8

AFLUENTE STACATAL INA1

13	1 1	41.0	2830.0	90.0	3058.0	1144.	2.77	2.77	0.85	30.8
14	1 1	3.0	650.0	980.0	1921.0	837.	17.60	17.60	0.68	18.0

AFLUENTE STACATAL INA2

14	1 1	3.0	650.0	980.0	1921.0	837.	17.60	17.60	0.68	18.0
15	1 1	0.0	650.0	1130.0	1913.3	835.	19.91	19.91	0.67	17.6

AFLUENTE YANCHICATE

16	1 1	15.0	2200.0	110.0	2833.0	1075.	2.75	2.75	0.73	25.0
17	1 1	0.0	499.0	118.0	2773.1	1059.	2.88	2.88	0.73	24.4

CARACTERISTICAS HIDROLOGICAS DE LOS PUNTOS DEL RIO UTCUBAMBA

1/17/79

1	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 QDAHONDA SUP										
=====										
18	1 1	13.0	2000.0	80.0	2500.0	979.	2.05	2.05	0.83	25.7
19	1 1	4.0	650.0	240.0	1633.3	781.	3.90	3.90	0.66	16.2
=====										
AFLUENTE QDAHONDA INF										
=====										
19	1 1	4.0	650.0	240.0	1633.3	781.	3.90	3.90	0.66	16.2
20	1 1	0.0	497.0	270.0	1528.6	761.	4.11	4.11	0.63	15.2
=====										
AFLUENTE PUCA										
=====										
21	1 1	14.0	2250.0	28.0	2917.0	1100.	0.73	0.73	0.74	26.0
22	1 1	0.0	495.0	198.0	2012.9	860.	3.35	3.35	0.62	16.9
=====										
AFLUENTE CAPALL INSUP										
=====										
23	1 1	20.0	2650.0	13.0	2986.0	1121.	0.32	0.32	0.70	24.9
24	1 1	3.0	500.0	173.0	1805.9	811.	2.40	2.40	0.54	13.9
=====										
AFLUENTE CAPALL ININF										
=====										
24	1 1	3.0	500.0	173.0	1805.9	811.	2.40	2.40	0.54	13.9
25	1 1	0.0	491.0	243.0	1785.2	805.	3.40	3.40	0.55	14.0
=====										
AFLUENTE CAJARURO										
=====										
26	1 1	13.0	2000.0	13.0	2217.0	905.	0.24	0.24	0.64	18.2
27	1 1	0.0	489.0	83.0	1408.2	726.	0.93	0.93	0.49	11.2
=====										
AFLUENTE TOMAQUE										
=====										
28	1 1	15.0	2000.0	80.0	2500.0	979.	1.69	1.69	0.68	21.2
29	1 1	10.0	1000.0	180.0	2055.6	871.	3.08	3.08	0.62	17.1
30	1 1	0.0	487.0	340.0	1750.8	801.	4.82	4.82	0.56	14.2
=====										
AFLUENTE NINO										
=====										
31	1 1	12.0	1950.0	10.0	2083.0	872.	0.17	0.17	0.62	17.1
32	1 1	0.0	485.0	135.0	1412.6	724.	1.49	1.49	0.48	11.0
=====										

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 UTCUBAMBA										
33	1 1	164.0	2980.0	20.0	3366.0	1246.	0.63	0.63	0.79	31.4
34	1 1	153.0	2200.0	225.0	3335.9	1236.	6.98	6.98	0.79	31.0
35	1 1	132.0	1450.0	795.0	2950.2	1113.	20.97	20.97	0.75	26.4
2+ 35		132.0	1450.0	901.0	2918.8	1104.	23.43	23.43	0.74	26.0
36	1 1	121.0	1000.0	1261.0	2748.1	1055.	30.38	30.38	0.72	24.1
37	1 1	101.0	870.0	1736.0	2513.3	992.	37.80	37.80	0.69	21.8
7+ 37		101.0	870.0	2503.0	2334.4	944.	50.01	50.01	0.67	20.0
38	1 1	96.0	840.0	2543.0	2320.5	941.	50.46	50.46	0.67	19.8
10+ 38		96.0	840.0	2893.0	2335.1	945.	57.77	57.77	0.67	20.0
39	1 1	82.0	800.0	3213.0	2250.8	924.	61.51	61.51	0.65	19.1
40	1 1	62.0	710.0	3613.0	2178.9	906.	66.66	66.66	0.64	18.4
12+ 40		62.0	710.0	3721.0	2162.1	902.	68.04	68.04	0.64	18.3
41	1 1	55.0	650.0	3781.0	2147.0	899.	68.61	68.61	0.64	18.1
15+ 41		55.0	650.0	4911.0	2093.2	884.	88.52	88.52	0.64	18.0
42	1 1	45.0	499.0	5051.0	2070.3	879.	90.37	90.37	0.64	17.3
17+ 42		45.0	499.0	5199.0	2086.2	883.	93.24	93.24	0.64	17.9
43	1 1	42.0	497.0	5205.0	2034.5	882.	93.28	93.28	0.64	17.9
20+ 43		42.0	497.0	5475.0	2057.1	876.	97.39	97.39	0.64	17.8
44	1 1	40.0	495.0	5478.0	2056.2	876.	97.41	97.41	0.64	17.8
22+ 44		40.0	495.0	5576.0	2054.7	876.	100.76	100.76	0.64	17.8
45	1 1	30.0	491.0	5366.0	2032.8	870.	102.78	102.78	0.63	17.5
25+ 45		30.0	491.0	6109.0	2022.9	868.	106.18	106.18	0.63	17.4
46	1 1	25.0	489.0	6359.0	1993.3	861.	108.66	108.66	0.63	17.1
27+ 46		25.0	489.0	6442.0	1985.7	859.	109.59	109.59	0.62	17.0
47	1 1	20.0	487.0	6502.0	1973.4	857.	110.00	110.00	0.62	16.9
30+ 47		20.0	487.0	6842.0	1962.3	854.	114.82	114.82	0.62	16.8
48	1 1	15.0	485.0	6982.0	1947.7	851.	116.18	116.18	0.62	16.6
52+ 48		15.0	485.0	7117.0	1937.6	848.	117.67	117.67	0.61	16.5
49	1 1	0.0	480.0	7507.0	1902.8	840.	121.55	121.55	0.61	16.2

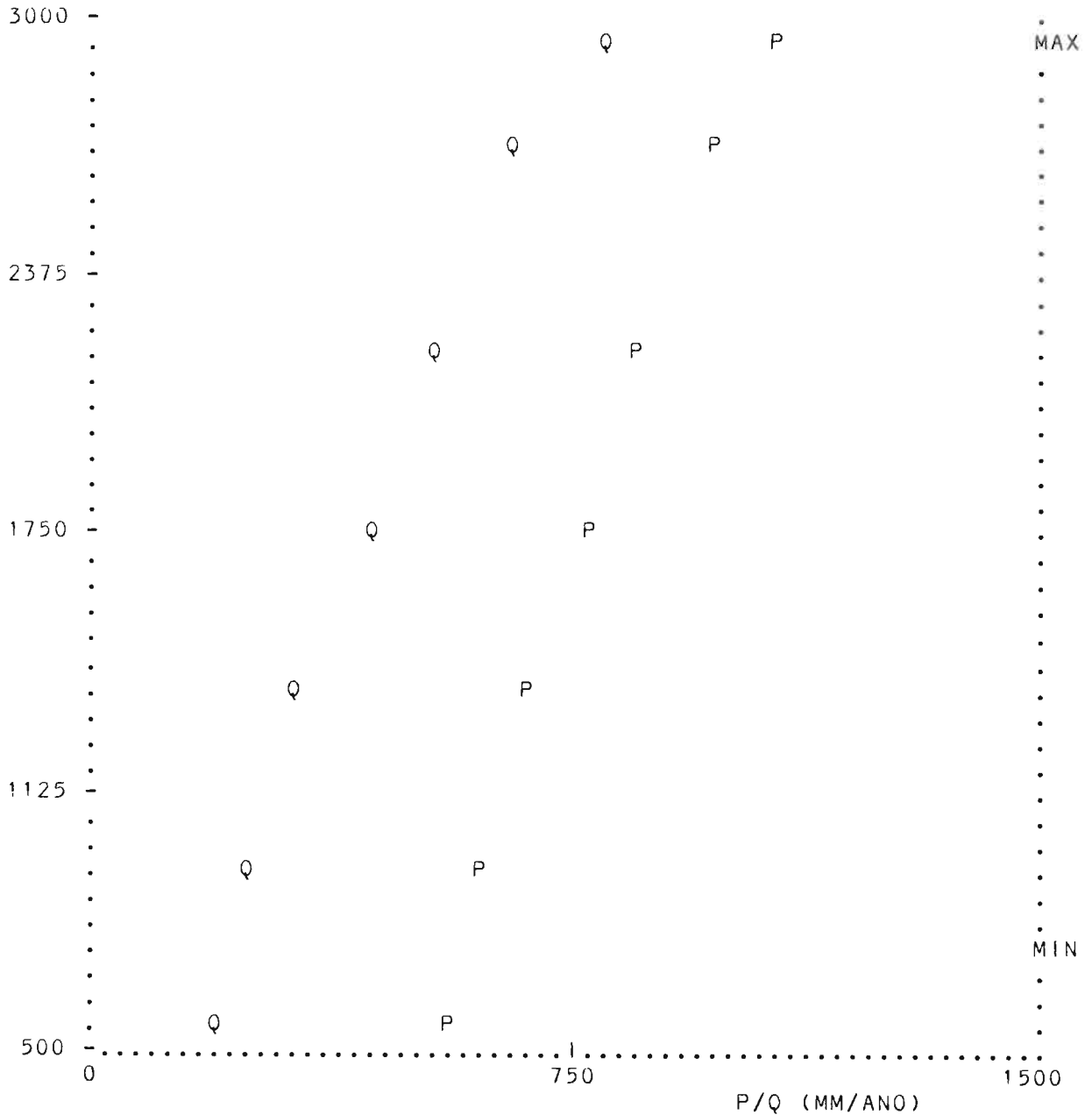
- I = NUMERO DEL PUNTO
- L = KILOMETRAJE
- H = ELEVACION DEL PUNTO
- AA = AREA TOTAL DE LA CUENCA HASTA EL PUNTO
- HM = ALTURA MEDIA DE TODA LA CUENCA HASTA EL PUNTO
- PREC = PRECIPITACION MEDIA SOBRE TODA LA CUENCA HASTA EL PUNTO
- QM = CAUDAL MEDIO EN EL PUNTO
- QN = CAUDAL NATURAL EN EL PUNTO
- CEAT = 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 CHIRIACO : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 2966. : AMIN = 799. *
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ALTURA (M.S.N.M.)



A :	0	400	600	1000	1400	1800	2200	2690	3000	3500
Q :	190	200	210	260	340	470	570	700	850	1000
P :	500	550	580	645	720	805	900	1006	1125	1290
K :	.380	.364	.362	.403	.472	.584	.633	.696	.756	.775

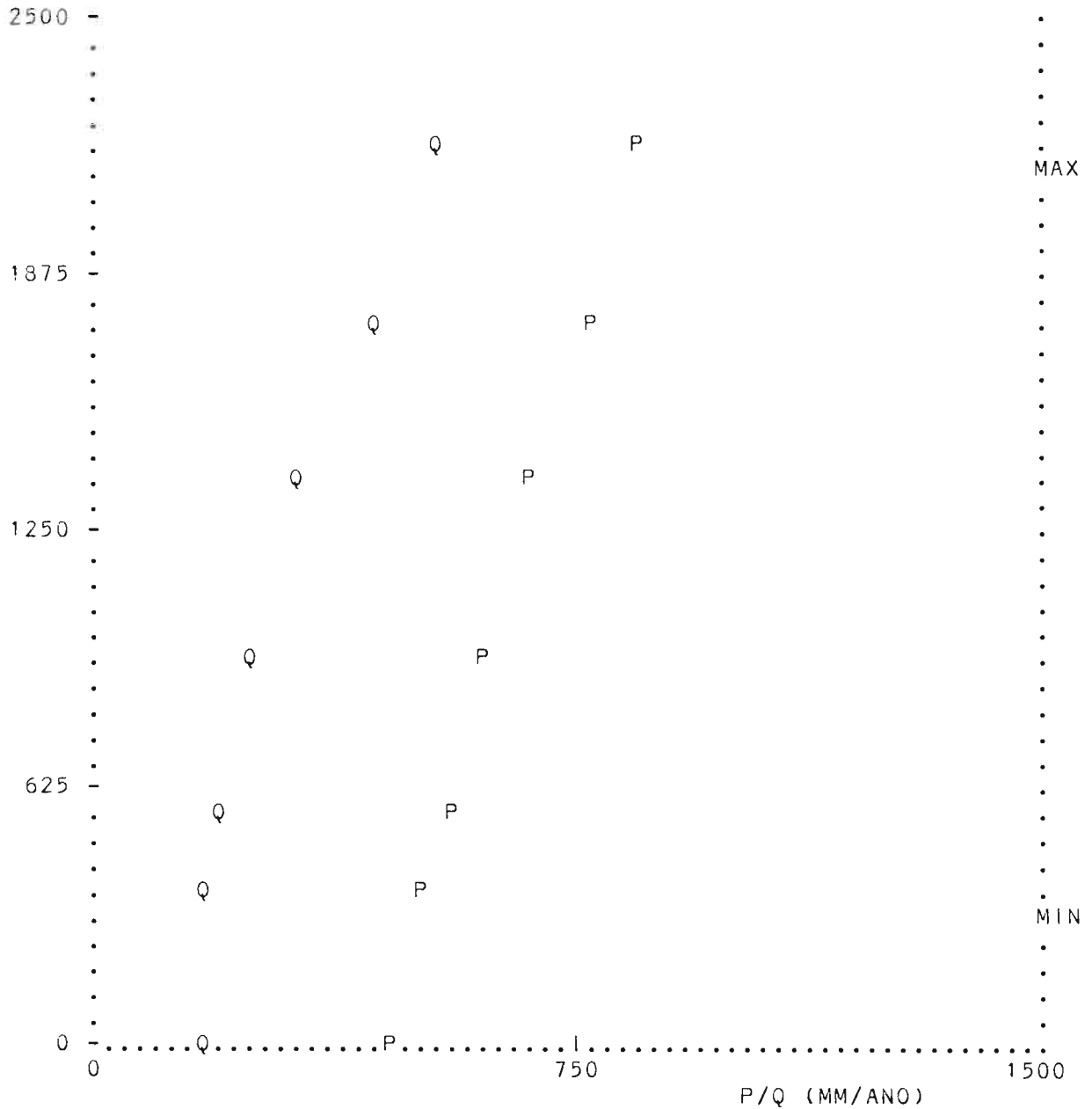
I	RP/RE	L	H	AA	HM	PREC	QM	QN	CEAT	RQT
		KM	M	² KM	M	MM	³ M /S	³ M /S	(-)	² L/S/KM
=====										
AFLUENTE AFLUENTE A										
=====										
1	1 1	16.0	2200.0	60.0	2600.0	987.	1.33	1.33	0.71	22.2
2	1 1	0.0	1200.0	240.0	2099.7	874.	4.20	4.20	0.63	17.5
=====										
AFLUENTE AFLUENTE B										
=====										
3	1 1	14.0	2200.0	50.0	2700.0	1010.	1.17	1.17	0.73	23.4
4	1 1	0.0	800.0	300.0	1866.7	821.	4.64	4.64	0.59	15.5
=====										
AFLUENTE SHUSHUNGA										
=====										
5	1 1	40.0	3000.0	50.0	2900.0	1087.	1.29	1.29	0.75	25.8
6	1 1	20.0	1000.0	350.0	2128.6	886.	6.23	6.23	0.63	17.8
7	1 1	0.0	490.0	700.0	1669.3	785.	9.59	9.59	0.55	13.7
=====										
AFLUENTE AFLUENTE C										
=====										
8	1 1	30.0	1200.0	5.0	1533.0	748.	0.06	0.06	0.51	12.2
9	1 1	0.0	300.0	385.0	920.1	632.	3.06	3.06	0.40	8.0
=====										
AFLUENTE CHIRIACOSUP										
=====										
10	1 1	147.0	2800.0	50.0	2966.0	1112.	1.42	1.42	0.80	28.3
11	1 1	97.0	1600.0	810.0	2341.1	933.	16.90	16.90	0.70	20.9
=====										
AFLUENTE CHIRIACOINF										
=====										
11	1 1	97.0	1600.0	810.0	2341.1	933.	16.90	16.90	0.70	20.9
12	1 1	69.0	1200.0	1540.0	2179.4	895.	28.94	28.94	0.66	18.8
2+ 12		69.0	1200.0	1780.0	2168.7	892.	33.14	33.14	0.66	18.6
13	1 1	44.0	800.0	2130.0	2091.7	874.	38.00	38.00	0.64	17.8
4+ 13		44.0	800.0	2430.0	2063.9	868.	42.63	42.63	0.64	17.5
14	1 1	14.0	490.0	2840.0	1954.9	844.	46.82	46.82	0.62	16.5
7+ 14		14.0	490.0	3540.0	1898.4	832.	56.40	56.40	0.60	15.9
15	1 1	8.0	300.0	3610.0	1877.1	828.	56.93	56.93	0.60	15.8
9+ 15		8.0	300.0	3995.0	1784.9	809.	59.99	59.99	0.59	15.0
16	1 1	0.0	200.0	4125.0	1754.9	803.	60.97	60.97	0.58	14.8
=====										

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*****
* CUENCA DEL RIO NIEVA : REGIMEN # 1 *
* CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
* AMAX = 2150. ; AMIN = 320. *
*****

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ALTURA (M.S.N.M.)



A :	0	400	600	1000	1400	1800	2200	2600	3000	3500
Q :	190	200	220	260	340	470	570	700	850	1040
P :	500	550	580	645	720	805	900	1006	1125	1290
K :	.380	.364	.379	.403	.472	.584	.633	.696	.756	.806

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 NUMPATYACU

1	1 1	50.0	2100.0	40.0	2150.0	888.	0.71	0.71	0.63	17.7
2	1 1	0.0	625.0	540.0	761.1	610.	4.27	4.27	0.41	7.9

AFLUENTE AMBUJA

3	1 1	30.0	1200.0	40.0	1250.0	692.	0.39	0.39	0.45	9.8
4	1 1	0.0	440.0	240.0	608.3	584.	1.71	1.71	0.39	7.1

AFLUENTE QUINGUIZA

5	1 1	25.0	550.0	40.0	580.0	577.	0.28	0.28	0.38	6.9
6	1 1	0.0	420.0	220.0	465.5	560.	1.44	1.44	0.37	6.5

AFLUENTE CHIANGOS

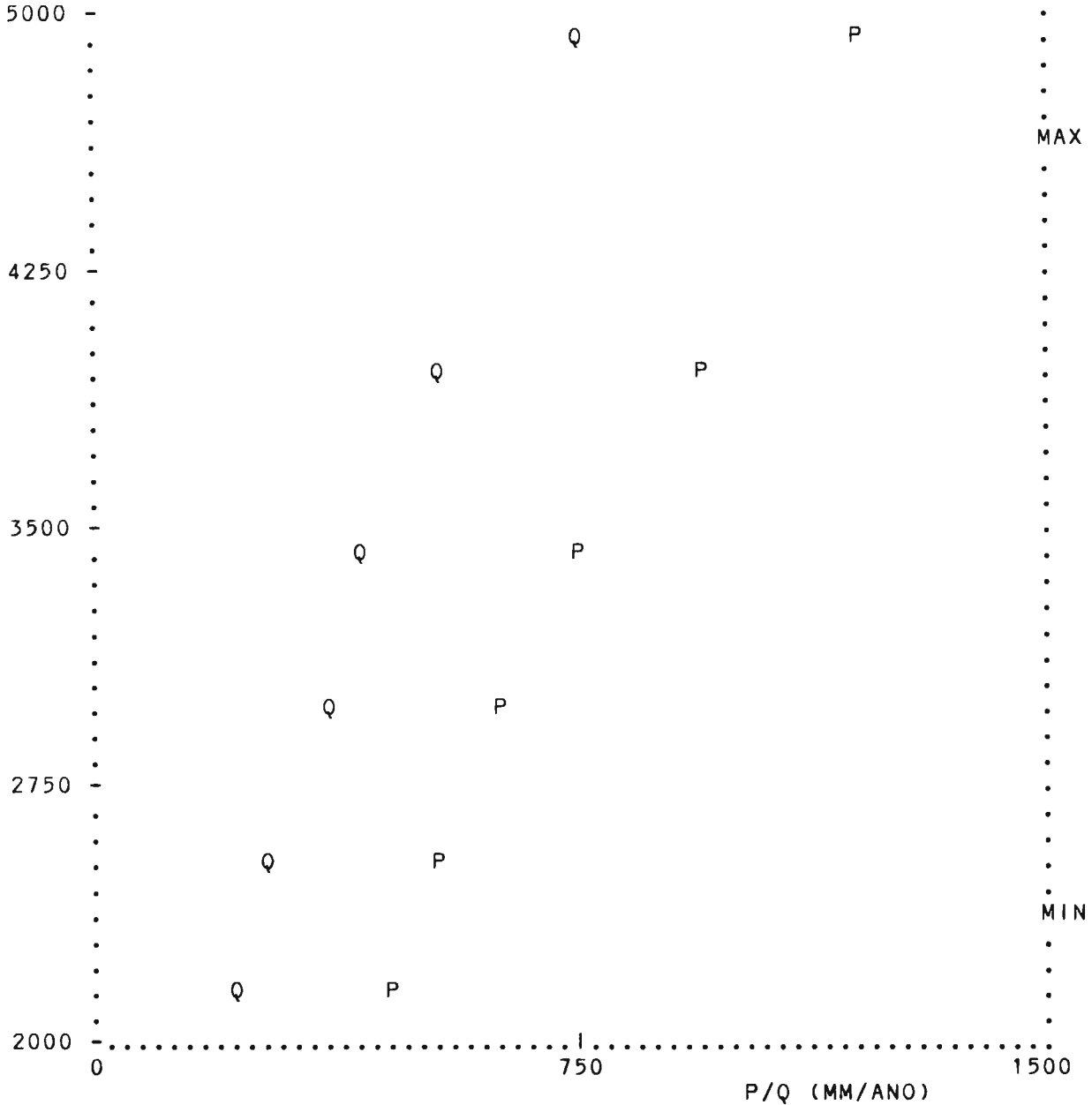
7	1 1	50.0	495.0	50.0	510.0	566.	0.33	0.33	0.37	6.7
8	1 1	0.0	400.0	370.0	432.2	555.	2.38	2.38	0.37	6.4

AFLUENTE NIEVA

9	1 1	180.0	1950.0	50.0	2010.0	855.	0.83	0.83	0.61	16.6
10	1 1	140.0	1525.0	700.0	1582.9	759.	8.84	8.84	0.52	12.6
11	1 1	100.0	625.0	1750.0	1023.1	657.	16.33	16.33	0.45	9.3
2+ 11		100.0	625.0	2290.0	961.4	646.	20.61	20.61	0.44	9.0
12	1 1	70.0	440.0	2740.0	880.7	632.	23.56	23.56	0.43	8.6
4+ 12		70.0	440.0	2980.0	858.7	628.	25.27	25.27	0.43	8.5
13	1 1	60.0	420.0	3060.0	847.5	626.	25.79	25.79	0.42	8.4
6+ 13		60.0	420.0	3280.0	821.9	621.	27.23	27.23	0.42	8.3
14	1 1	50.0	400.0	3350.0	813.2	620.	27.67	27.67	0.42	8.3
8+ 14		50.0	400.0	3720.0	775.3	614.	30.06	30.06	0.42	8.1
15	1 1	0.0	303.0	4330.0	711.1	603.	33.89	33.89	0.41	7.8

 * CUENCA DEL RIO HUALLAGA SUP ; REGIMEN # 1 *
 * CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
 * AMAX = 4700. ; AMIN = 2400. *

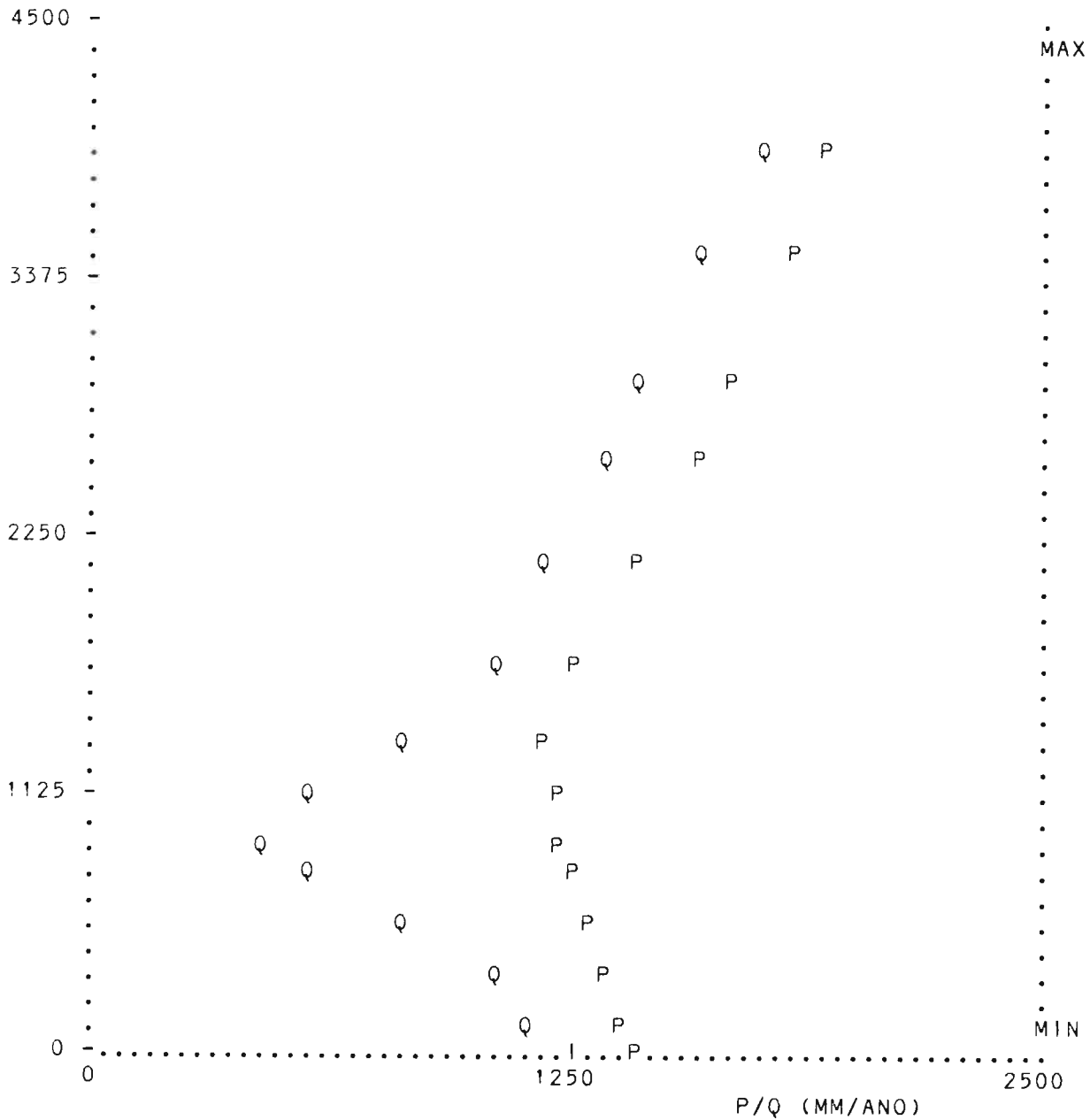
ALTURA (M.S.N.M.)



A :	0	200	400	600	800	1000	1200	1400	1800	2200	2600	3000	3500	4000	5000
Q :	200	200	200	200	200	200	200	200	200	240	300	400	450	560	800
P :	400	400	400	400	400	400	400	400	450	500	560	660	800	980	1250
K :	.500	.500	.500	.500	.500	.500	.500	.500	.444	.480	.536	.606	.562	.571	.640

 * CUENCA DEL RIO HUALLAGA SUP ; REGIMEN # 2 *
 * CURVAS ENTRE PRECIPITACION (P) / ESCURRIMIENTO (E) VS ALTURA (A) *
 * AMAX = 4400. ; AMIN = 165. *

ALTURA (M.S.N.M.)



A :	0	200	400	600	800	1000	1200	1400	1800	2200	2600	3000	3500	4000	5000
Q :	1300	1200	1100	850	600	500	600	850	1100	1250	1400	1500	1650	1800	1850
P :	1500	1440	1400	1350	1310	1290	1280	1250	1300	1500	1660	1750	1900	2000	2100
K :	.867	.833	.786	.630	.458	.388	.469	.680	.846	.833	.843	.857	.868	.900	.881

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 PUCURHUAY										
=====										
1	1 1	20.0	4360.0	0.4	4425.0	1095.	0.01	0.01	0.60	20.7
2	1 1	0.0	2970.0	147.4	4071.0	999.	2.66	2.66	0.57	18.0
=====										
AFLUENTE TINGO										
=====										
3	1 1	38.0	4290.0	0.2	4300.0	1061.	0.00	0.00	0.59	19.7
4	1 1	21.0	3600.0	112.5	4210.2	1037.	2.15	2.15	0.58	19.1
5	1 1	0.0	2786.0	292.7	3988.4	969.	5.11	5.11	0.57	17.5
=====										
AFLUENTE BLANCO										
=====										
6	1 1	33.0	4400.0	1.5	4600.0	1142.	0.03	0.03	0.61	22.0
7	1 1	15.0	3400.0	133.9	4179.8	1029.	2.52	2.52	0.58	18.8
8	1 1	0.0	2445.0	265.2	3991.7	969.	4.64	4.64	0.57	17.5
=====										
AFLUENTE HUASCACOCHA										
=====										
9	1 1	22.0	4625.0	0.2	4700.0	1169.	0.00	0.00	0.61	22.7
10	1 1	0.0	3460.0	183.6	4410.3	1091.	3.78	3.78	0.59	20.6
=====										
AFLUENTE USHUGOYA										
=====										
11	1 1	28.0	4438.0	4.4	4439.0	1099.	0.09	0.09	0.60	20.8
12	1 1	15.0	3780.0	67.9	4262.2	1051.	1.32	1.32	0.58	19.5
13	1 1	0.0	2790.0	161.1	4113.4	1011.	2.96	2.96	0.57	18.3
=====										
AFLUENTE NILAILA										
=====										
14	1 1	39.0	4372.0	1.4	4390.0	1085.	0.03	0.03	0.59	20.4
15	1 1	30.0	4091.0	32.9	4279.9	1056.	0.64	0.64	0.59	19.6
16	1 1	15.0	3250.0	141.9	4121.7	1013.	2.61	2.61	0.57	18.4
17	1 1	0.0	2375.0	266.4	3924.6	947.	4.53	4.53	0.57	17.0
=====										
AFLUENTE QUIO										
=====										
18	1 1	17.0	4125.0	1.8	4200.0	1034.	0.03	0.03	0.58	19.0
19	1 1	0.0	2350.0	67.3	4005.3	981.	1.18	1.18	0.56	17.5
=====										
AFLUENTE CHACACHINCHE										
=====										
20	1 1	28.0	4245.0	0.1	4260.0	1050.	0.00	0.00	0.58	19.4
21	1 1	13.0	2775.0	117.0	3950.3	962.	2.01	2.01	0.56	17.2
22	1 1	1.0	2350.0	267.0	3809.7	911.	4.32	4.32	0.56	16.2
19+ 22		1.0	2350.0	334.3	3849.1	926.	5.50	5.50	0.56	16.5
23	1 1	0.0	2310.0	335.3	3844.7	924.	5.51	5.51	0.56	16.4
=====										

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 HUACARI

24	1 1	16.0	4020.0	3.9	4200.0	1034.	0.07	0.07	0.58	19.0
25	1 1	0.0	2060.0	100.0	3507.1	803.	1.42	1.42	0.56	14.2

AFLUENTE HUERTAS

26	1 1	104.0	4541.0	0.3	4565.0	1133.	0.01	0.01	0.61	21.7
27	1 1	83.0	3930.0	219.6	4418.2	1093.	4.53	4.53	0.60	20.6
28	1 1	72.0	3460.0	424.7	4351.5	1075.	8.55	8.55	0.59	20.1
10+ 28		72.0	3460.0	608.3	4369.2	1080.	12.33	12.33	0.59	20.3
29	1 1	51.0	2790.0	872.7	4272.5	1054.	17.05	17.05	0.58	19.5
13+ 29		51.0	2790.0	1033.8	4247.7	1047.	20.01	20.01	0.58	19.4
30	1 1	30.0	2375.0	1179.3	4156.7	1017.	22.06	22.06	0.58	18.7
17+ 30		30.0	2375.0	1445.7	4113.9	1004.	26.59	26.59	0.58	18.4
31	1 1	26.0	2310.0	1463.7	4101.5	1000.	26.82	26.82	0.58	18.3
23+ 31		26.0	2310.0	1799.0	4053.6	986.	32.33	32.33	0.57	18.0
32	1 1	15.0	2205.0	1879.0	4013.0	973.	33.36	33.36	0.58	17.8
33	1 1	5.0	2110.0	2008.8	3947.6	953.	34.98	34.98	0.58	17.4
25+ 33		5.0	2110.0	2108.8	3926.7	946.	36.40	36.40	0.58	17.3
34	1 1	0.0	2080.0	2143.9	3909.0	941.	36.80	36.80	0.58	17.2

AFLUENTE HIGUERAS

35	1 1	52.0	4120.0	3.2	4150.0	1020.	0.06	0.06	0.58	18.9
36	1 1	21.0	2500.0	388.8	3624.4	845.	5.89	5.89	0.57	15.1
37	1 1	0.0	1902.0	710.9	3221.0	731.	9.29	9.29	0.56	13.1

AFLUENTE CONCHUMAYO

38	1 1	56.0	4100.0	2.8	4110.0	1010.	0.05	0.05	0.58	18.6
39	1 1	18.0	2000.0	573.2	3204.4	717.	7.65	7.65	0.59	13.3
40	1 1	0.0	1812.0	922.8	3013.3	667.	11.25	11.25	0.58	12.2

AFLUENTE TAMBOGAN

41	2 2	45.0	3200.0	4.9	3230.0	1819.	0.24	0.24	0.86	49.8
42	2 2	0.0	1780.0	340.3	3003.3	1751.	16.20	16.20	0.86	47.6

AFLUENTE PANAQ

43	2 2	50.0	3720.0	12.1	4000.0	2000.	0.69	0.69	0.90	57.1
44	2 2	23.0	2000.0	322.1	3181.9	1803.	15.88	15.88	0.86	49.3
45	2 2	0.0	1512.0	592.5	2665.3	1630.	26.11	26.11	0.85	44.1

AFLUENTE CHINCHAO

46	2 2	29.0	2640.0	10.5	2645.0	1670.	0.47	0.47	0.84	44.8
47	2 2	0.0	779.0	405.9	2211.5	1504.	16.14	16.14	0.83	39.8

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 CAMOTE

48	2 2	41.0	2560.0	16.1	2620.0	1664.	0.72	0.72	0.84	44.6
49	2 2	0.0	790.0	626.1	1772.4	1303.	21.39	21.39	0.83	34.2

AFLUENTE MONSON

50	2 2	63.0	3840.0	5.2	3862.0	1972.	0.29	0.29	0.89	55.8
51	2 2	22.0	790.0	506.0	2118.1	1455.	19.54	19.54	0.84	38.6
49+ 51		22.0	790.0	1132.1	1926.9	1371.	40.93	40.93	0.83	36.2
52	2 2	0.0	678.0	1514.1	1799.0	1341.	51.38	51.38	0.80	33.9

AFLUENTE PATUY RONDOS

53	2 2	75.0	4050.0	3.0	4065.0	2006.	0.17	0.17	0.90	57.2
54	2 2	46.0	1745.0	573.7	3204.5	1811.	28.40	28.40	0.86	49.5
55	2 2	10.0	678.0	1219.2	2725.6	1668.	54.76	54.76	0.85	44.9
52+ 55		10.0	678.0	2733.3	2212.3	1487.	106.14	106.14	0.82	38.8
56	2 2	0.0	646.0	2789.0	2184.9	1483.	107.16	107.16	0.82	38.4

AFLUENTE TULUMAYO

57	2 2	61.0	3100.0	18.4	3112.0	1784.	0.89	0.89	0.86	48.6
58	2 2	0.0	616.0	1090.7	937.3	1308.	19.60	19.60	0.43	18.0

AFLUENTE CUCHARA

59	2 2	48.0	1750.0	21.0	2025.0	1412.	0.79	0.79	0.84	37.6
60	2 2	0.0	596.0	591.2	1017.1	1296.	10.01	10.01	0.41	16.9

AFLUENTE MAGDALENA

61	2 2	56.0	950.0	32.8	1400.0	1250.	0.88	0.88	0.68	27.0
62	2 2	0.0	554.0	532.8	818.2	1310.	10.79	10.79	0.49	20.3

AFLUENTE STA MARTHA

63	2 2	82.0	4075.0	1.3	4100.0	2010.	0.07	0.07	0.90	57.2
64	2 2	40.0	1000.0	568.1	3002.5	1751.	27.03	27.03	0.86	47.6
65	2 2	0.0	553.0	1139.2	1948.5	1525.	36.99	36.99	0.67	32.5

AFLUENTE CHUNTAYACU

66	2 2	113.0	3950.0	3.4	4000.0	2000.	0.19	0.19	0.90	57.1
67	2 2	8.0	3000.0	372.6	3876.1	1975.	20.83	20.83	0.89	55.9
68	2 2	4.0	1000.0	1552.6	3210.3	1804.	76.95	76.95	0.87	49.6
69	2 2	0.0	496.0	2338.5	2450.7	1633.	90.04	90.04	0.74	38.5

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 TOCACHE

70	2 2	77.0	3950.0	1.5	3955.0	1991.	0.08	0.08	0.90	56.6
71	2 2	33.0	1500.0	806.7	2003.6	1401.	30.09	30.09	0.84	37.3
72	2 2	0.0	457.0	1377.2	1877.9	1354.	48.85	48.85	0.83	35.5

AFLUENTE COTOMONO

73	2 2	52.0	3900.0	4.5	3905.0	1981.	0.25	0.25	0.89	56.2
74	2 2	0.0	441.0	572.6	1518.9	1268.	16.69	16.69	0.72	29.1

AFLUENTE MISHOLLO

75	2 2	90.0	4120.0	2.2	4122.0	2012.	0.13	0.13	0.90	57.3
76	2 2	35.0	1000.0	842.7	2983.0	1746.	39.97	39.97	0.86	47.4
77	2 2	5.0	441.0	1172.7	2439.0	1617.	45.46	45.46	0.76	38.3
74+ 77		5.0	441.0	1745.3	2137.2	1503.	62.16	62.16	0.75	35.6
78	2 2	0.0	436.0	1753.3	2129.4	1502.	62.42	62.42	0.75	35.6

AFLUENTE HUAMBO

79	2 2	83.0	2000.0	11.0	2024.0	1412.	0.41	0.41	0.84	37.5
80	2 2	0.0	812.0	1102.4	960.7	1296.	18.58	18.58	0.41	16.9

AFLUENTE PUCAYACU

81	2 2	34.0	1650.0	1.2	1655.0	1282.	0.04	0.04	0.79	32.0
82	2 2	0.0	800.0	373.2	1500.5	1263.	10.80	10.30	0.72	28.9

AFLUENTE SIMACA

83	2 2	42.0	1650.0	1.6	1655.0	1282.	0.05	0.05	0.79	32.0
84	2 2	0.0	760.0	503.0	1201.4	1280.	9.59	9.59	0.47	19.1

AFLUENTE HUABAYACU

85	2 2	56.0	3050.0	16.1	3055.0	1766.	0.77	0.77	0.86	48.1
86	2 2	0.0	505.0	976.5	1830.5	1313.	34.39	34.39	0.85	35.2

AFLUENTE MOLLON

87	2 2	44.0	3800.0	1.8	3805.0	1961.	0.10	0.10	0.89	55.2
88	2 2	0.0	1500.0	571.0	3002.5	1751.	27.17	27.17	0.86	47.6

AFLUENTE PAJATEN

89	2 2	67.0	3850.0	0.9	3855.0	1971.	0.05	0.05	0.89	55.7
90	2 2	0.0	580.0	1111.4	2021.5	1410.	41.69	41.69	0.84	37.5