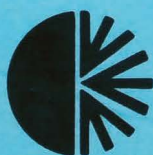


Regionalização de vazões do Rio Grande do Sul

1.1 - Desenvolvimento da regionalização anexos A a D

COMPANHIA ESTADUAL
DE ENERGIA ELÉTRICA - RS



INSTITUTO DE PESQUISAS
HIDRÁULICAS UFRGS

CEEE- COMPANHIA ESTADUAL DE ENERGIA ELÉTRICA - RS

REGIONALIZAÇÃO DE VAZÕES DO RIO GRANDE DO SUL

ANEXOS A a D

IPH - INSTITUTO DE PESQUISAS HIDRÁULICAS - UFRGS

PORTO ALEGRE, FEVEREIRO/1991

REGIONALIZAÇÃO DE VAZÕES DO RIO GRANDE DO SUL

- * CEEE - Companhia Estadual de Energia Elétrica**
Superintendência de Obras e Geração
Departamento de Estudos e Geração
Equipe: Eng. Claudio Moreira Krebs
Técnico em Hidrologia: Paulo Cesar Sena Souza

- * IPH - Instituto de Pesquisas Hidráulicas - UFRGS**
Coordenador do Projeto: Dr. Carlos Eduardo Morelli Tucci, PhD
Eng. Joel Avruch Goldenfum
Eng. Juan Carlos Bertoni, MSc
Analista: Ricardo Lovatel
Técnicos: Alexandre P. Troviscal
Cesar Augusto Alves
Fernando Fróes
Estagiários: Fernando Genz
Gilberto de Oliveira
Gustavo Simionovschi

ANEXO A - Dados disponíveis

ANEXO B - Vazões médias anuais

ANEXO B1 - Valores selecionados de vazões médias mensais

ANEXO B2 - Ajuste das curvas adimensionais aos pontos

ANEXO C - Vazões máximas anuais

ANEXO C1 - Valores selecionados de vazões máximas anuais

ANEXO C2 - Ajuste das curvas adimensionais aos pontos

ANEXO C3 - Resultados de extrapolação das curvas adimensionais

ANEXO D - Vazões mínimas anuais

ANEXO D1 - Valores selecionados de vazões mínimas anuais

ANEXO D2 - Ajuste das curvas adimensionais aos pontos

ANEXO D3 - Variáveis utilizadas na regionalização e vazões calculadas

ANEXO A - Dados disponíveis

TABLA A1 - ESTACOES PLUVIOMETRICAS SELECCIONADAS

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E MUNICIPIO	COORDENADAS		PERIODO	
			LATITUDE	LONGIT	INICIO	FIM
1	02652006	XANXERE (RUI BARBOSA) - XANXERE	2651	5224	1945	1983
2	02652011	MARIAPOLIS - MARIAPOLIS	2621	5234	1965	1984
3	02652012	MOINHO CAÇADOR - VITORINO	2616	5248	1965	1984
4	02652013	PATO BRANCO - PATO BRANCO	2614	5241	1965	1984
5	02750003	ENCRUZILHADA I - LAJES	2731	5007	1959	1984
6	02750005	LAJES - LAJES	2747	5019	1945	1983
7	02750007	PAINEL - LAJES	2756	5006	1959	1984
8	02750008	PASSO CARU	2731	5050	1962	1984
9	02750009	PASSO MAROMBAS - CURITIBANOS	2721	5044	1959	1984
10	02750010	PONTE ALTA DO NORTE	2709	5028	1960	1984
11	02750011	PONTE ALTA DO SUL-PONTE ALTA	2729	5023	1958	1984
12	02751002	CAMPOS NOVOS - CAMPOS NOVOS	2724	5112	1948	1984
13	02751003	CAPINZAL(RIO CAPINZAL) - CAPINZAL	2721	5137	1945	1977
14	02751004	JOAÇABA - JOAÇABA	2709	5130	1945	1984
15	02751006	PAIM FILHO	2741	5145	1958	1980
16	02751007	SANANDUVA	2756	5148	1958	1980
17	02751008	USI FORQUILHA-MAXIMILIANO DE ALMEIDA	2738	5142	1950	1984
18	02751009	VIDEIRA (PERDIZES) - VIDEIRA	2700	5109	1945	1979
19	02751010	URUGUAI (RIO URUGUAI) - PIRATUBA	2727	5152	1945	1977
20	02752001	RIO INHUPACA	2755	5231	1961	1984
21	02752005	CONCORDIA - CONCORDIA	2714	5201	1960	1984
22	02752006	EREBANGO	2750	5218	1945	1980
23	02752008	JOSE BONIFACIO	2740	5248	1957	1984
24	02752011	QUATRO IRMAOS	2749	5226	1960	1984
25	02752012	RONDA ALTA	2746	5248	1963	1984
26	02752013	SARANDI	2756	5254	1948	1984
27	02752014	CHARRUA	2757	5200	1963	1984
28	02753002	FREDERICO WESTPHALEN	2721	5323	1962	1984
29	02753004	LINHA CESCON	2746	5303	1960	1980
30	02753005	PALMEIRA DAS MISSOES	2753	5326	1945	1983
31	02753006	PALMITOS	2704	5311	1960	1980
32	02753007	SANTO AUGUSTO	2751	5346	1948	1984
33	02753008	TENENTE PORTELA	2722	5345	1961	1984
34	02753009	TRÊS PASSOS	2727	5356	1961	1984
35	02753010	USINA GUARITA	2737	5335	1945	1984
36	02754001	ALTO URUGUAI	2716	5408	1950	1980
37	02754002	CRICIUMAL	2730	5406	1961	1984
38	02754004	USINA SANTA ROSA	2745	5422	1951	1984
39	02755001	PORTO LUCENA	2751	5502	1950	1980
40	02850001	BOM JESUS	2840	5026	1949	1983
41	02850008	PASSO SOCORRO(RIO PELOTAS)-VACARIA	2811	5045	1945	1982
42	02850009	PASSO TAINHAS-SAO FRANCISCO DE PAULA	2851	5027	1945	1984
43	02850010	USI TOUROS - BOM JESUS	2835	5020	1955	1984
44	02850011	VACARIA - VACARIA	2833	5057	1945	1984
45	02851001	VISTA ALEGRE - NOVA PRATA	2846	5142	1952	1980
46	02851002	ANDRE DA ROCHA - LAGOA VERMELHA	2835	5132	1953	1979
47	02851003	ANTONIO PRADO - ANTONIO PRADO	2851	5117	1945	1984
48	02851004	ARACA	2847	5144	1955	1977
49	02851005	CASCA I - CASCA	2833	5158	1945	1984
50	02851006	DOIS LAJADOS	2856	5154	1946	1984

TABELA A1 - ESTACOES PLUVIOMETRICAS SELECCIONADAS

No	CODIGO DA ESTACAO	NOME DA ESTACAO E MUNICIPIO	COORDENADAS		PERIODO	
			LATITUDE	LONGIT	INICIO	FIM
51	02851007	ENCRUZILHADA	2819	5120	1963	1984
52	02851008	ITUIM(ENTRE RIOS) - VACARIA	2832	5121	1946	1984
53	02851009	FAGUNDES VARELA	2852	5142	1962	1984
54	02851011	GUAPORE - GUAPORE	2855	5154	1945	1977
55	02851014	LAGOA VERMELHA - LAGOA VERMELHA	2812	5132	1945	1984
56	02851017	NOVA PRATA	2848	5144	1945	1980
57	02851018	NOVA ROMA	2858	5124	1953	1980
58	02851019	PARAI	2835	5147	1955	1980
59	02851022	PASSO MIGLIAVACA	2835	5151	1958	1980
60	02851024	PRATA - NOVA PRATA	2847	5137	1945	1984
61	02851025	SAO MARCOS	2858	5104	1955	1978
62	02851026	SEGREDO - VACARIA	2846	5122	1945	1984
63	02851027	SERAFINA CORREA	2842	5155	1961	1984
64	02851028	TRINTA E CINCO	2823	5150	1963	1984
65	02851029	TURVO	2813	5132	1955	1981
66	02851032	USINA SALTINHO	2836	5121	1959	1984
67	02851033	VERANOPOLIS	2856	5132	1952	1980
68	02851035	CASCA	2832	5158	1945	1979
69	02852001	CAMPO DO MEIO - PASSO FUNDO	2815	5224	1949	1980
70	02852002	ARMAZEM - SOLEDADE	2850	5231	1949	1973
71	02852003	ARVOREZINHA - ARVOREZINHA	2850	5214	1949	1979
72	02852004	AULER	2848	5222	1963	1984
73	02852005	BARRAGEM CAPIGUI	2821	5213	1957	1984
74	02852006	CARAZINHO - CARAZINHO	2816	5247	1945	1984
75	02852007	COLONIA XADREZ - CARAZINHO	2807	5239	1945	1984
76	02852008	COLORADO - COLORADO	2832	5259	1945	1984
77	02852009	DEPOSITO	2856	5248	1963	1984
78	02852011	ERNESTINA - PASSO FUNDO	2840	5225	1950	1979
79	02852012	ESPUMOSO	2843	5250	1951	1984
80	02852013	FONTANA XAVIER	2859	5220	1953	1975
81	02852015	LAGOA TRES CANTOS	2834	5251	1960	1984
82	02852016	MARAU	2827	5212	1945	1984
83	02852017	MAURICIO CARDOSO	2850	5231	1953	1980
84	02852018	NAO ME TOQUE	2806	5250	1953	1979
85	02852019	PASSO BELA VISTA	2845	5259	1959	1984
86	02852020	PASSO FUNDO - PASSO FUNDO	2816	5224	1945	1984
87	02852022	PONTAO	2804	5241	1959	1984
88	02852024	PULADOR	2817	5234	1963	1984
89	02852028	USINA CAPIGUI - MARAU	2822	5215	1945	1984
90	02852029	USINA COLORADO	2838	5255	1959	1984
91	02852030	USINA ERNESTINA - PASSO FUNDO	2833	5233	1945	1984
92	02853005	CRUZ ALTA - CRUZ ALTA	2838	5336	1945	1984
93	02853006	IJUI - IJUI	2822	5355	1945	1974
94	02853008	PASSO DO LAGOAO - IBIRUBA	2844	5308	1945	1975
95	02853014	STA CLARA DO INGAI - CRUZ ALTA	2841	5317	1945	1984
96	02853017	USINA ANDORINHAS - IJUI	2824	5348	1953	1980
97	02854002	CERRO LARGO	2807	5452	1961	1984
98	02854003	GIRUA - GIRUA	2801	5421	1945	1984
99	02854004	GUARANI DAS MISSOES	2808	5433	1961	1984
100	02854005	PASSO MAJOR ZEFERINO	2844	5437	1958	1980

TABELA A1 - ESTACOES PLUVIOMETRICAS SELECCIONADAS

No	CODIGO DA ESTACAO	NOME DA ESTACAO E MUNICIPIO	COORDENADAS		PERIODO	
			LATITUDE	LONGIT	INICIO	FIM
101	02854009	SAO MIGUEL DAS MISSOES	2832	5433	1945	1984
102	02854011	SAO LUIS GONZAGA - SAO LUIS GONZAGA	2824	5458	1945	1984
103	02855001	GARRUCHOS - SAO BORJA	2810	5539	1949	1984
104	02855002	PASSO DO SARMENTO - SAO BORJA	2812	5519	1958	1984
105	02855003	USINA PIRAPO	2808	5503	1959	1981
106	02856003	SAO BORJA - SAO BORJA	2839	5600	1945	1966
107	02949011	PORTO GUERRRERO	2924	4952	1948	1976
108	02950003	AZULEGA - CAMBARA DO SUL	2909	5010	1948	1981
109	02950004	BARRAGEM BLANG	2919	5037	1958	1984
110	02950005	BARRAGEM DA DIVISA	2917	5034	1961	1983
111	02950006	BARRAGEM DO SALTO	2919	5040	1945	1984
112	02950007	CAMBARA DO SUL (CAMBARA)	2902	5008	1945	1984
113	02950008	CAMISAS - CAMBARA DO SUL	2906	5010	1946	1984
114	02950009	CANELA - CANELA	2921	5048	1945	1984
115	02950010	CAPAO DOS COXOS - SAO Fco DE PAULA	2924	5034	1948	1984
116	02950011	CERRITO - SAO FRANCISCO DE PAULA	2916	5030	1945	1984
117	02950013	ENTREPELADO	2943	5044	1956	1984
118	02950014	FAZ. PASSO RASO - SAO FCO DE PAULA	2906	5025	1948	1975
119	02950015	IMBE	2958	5007	1948	1980
120	02950017	LAGOA DOS BARROS - STO ANTONIO	2949	5031	1945	1980
121	02950018	LAGOA DOS QUADROS - OSORIO	2955	5019	1948	1979
122	02950019	LAJEADO GRANDE - SAO FCO DE PAULA	2905	5037	1945	1984
123	02950020	MORRINHOS - SAO FCO DE PAULA	2923	5022	1945	1984
124	02950023	PONTE SANTA CRUZ	2921	5030	1961	1984
125	02950025	POVOADO AVENIDA	2924	5052	1949	1980
126	02950026	RENANIA - GRAMADO	2925	5054	1945	1984
127	02950027	RIO DOS CARVALHOS	2923	5011	1961	1984
128	02950028	ROLANTE	2940	5034	1961	1984
129	02950029	SANDER - TRES COROAS	2929	5047	1945	1984
130	02950030	SANTA TEREZA	2928	5022	1947	1984
131	02950033	SECA - CAXIAS DO SUL	2903	5058	1945	1984
132	02950035	TAINHAS - SAO FCO DE PAULA	2916	5018	1945	1984
133	02950037	TAQUARA	2958	5047	1945	1980
134	02950039	USINA CANASTRA	2923	5044	1958	1984
135	02950040	USINA TOCA	2914	5044	1946	1984
136	02950041	VARZEA SAO JOAO - SAO FCO DE PAULA	2919	5025	1948	1978
137	02951001	SANTA TEREZA	2904	5143	1953	1980
138	02951003	BENTO GONÇALVES - BENTO GONÇALVES	2909	5131	1945	1983
139	02951005	CAI	2935	5122	1963	1984
140	02951008	CAXIAS DO SUL(CAXIAS)-CAXIAS DO SUL	2910	5111	1945	1983
141	02951010	ENCANTADO - ENCANTADO	2914	5152	1945	1984
142	02951011	ENCANTADO II	2914	5152	1945	1980
143	02951013	FARROUPILHA	2913	5120	1962	1984
144	02951015	FLORES DA CUNHA	2901	5110	1953	1980
145	02951016	GARBALDI	2915	5132	1955	1979
146	02951017	JASEN	2907	5122	1963	1984
147	02951018	LAJEADO - LAJEADO	2927	5158	1945	1979
148	02951019	MONTE BLO	2910	5137	1963	1984
149	02951020	MONTE CLARO	2902	5130	1956	1984
150	02951021	MONTENEGRO - MONTENEGRO	2941	5127	1947	1980

TABELA A1 - ESTACOES PLUVIOMETRICAS SELECIONADAS

N ^o	CODIGO DA ESTACAO	NOME DA ESTACAO E MUNICIPIO	COORDENADAS		PERIODO	
			LATITUDE	LONGIT	INICIO	FIM
151	02951022	NOVA PALMIRA - CAXIAS DO SUL	2919	5111	1945	1984
152	02951023	NOVA PETROPOLIS	2921	5107	1962	1984
153	02951025	SAO JERONIMO - SAO JERONIMO	2957	5143	1945	1984
154	02951026	SAO SALVADOR	2927	5130	1963	1984
155	02951032	TRIUNFO	2957	5140	1952	1980
156	02951033	USINA ERVAL	2928	5106	1961	1984
157	02951042	RELVADO - ENCANTADO	2920	5152	1949	1980
158	02951043	VILA PROGRESSO - LAJEADO	2931	5159	1949	1983
159	02952002	BARROS CASSAL - BARROS CASSAL	2905	5234	1949	1978
160	02952004	CANDELARIA	2940	5247	1951	1978
161	02952005	ERVEIRAS	2927	5226	1954	1979
162	02952006	MARQUES DE SOUZA -ARROIO DO MEIO	2924	5208	1949	1979
163	02952010	RIO PARDO(RIO JACUI) - RIO PARDO	2959	5222	1947	1976
164	02952013	SINIMBU	2943	5225	1954	1978
165	02952014	VENANCIO AIRES	2940	5208	1953	1978
166	02952029	POUSO NOVO	2910	5212	1950	1978
167	02953002	AGUDO	2939	5313	1955	1980
168	02953003	ARRCIO DO TIGRE	2921	5303	1955	1980
169	02953006	BARRAGEM SALTO GRANDE - ESPUMOSO	2904	5312	1950	1984
170	02953008	DONA FRANCISCA - DONA FRANCISCA	2937	5321	1945	1980
171	02953009	FAXINAL DO SOTURNO	2935	5326	1954	1980
172	02953015	RESTINGA SECA	2950	5354	1952	1976
173	02953016	RINCAO DA PORTA	2944	5314	1952	1978
174	02953017	SANTA MARIA - SANTA MARIA	2942	5342	1945	1984
175	02953018	SAO MARCOS II	2941	5348	1954	1980
176	02953019	SILVEIRA MARTINS	2941	5348	1958	1978
177	02953020	SOBRADINHO	2934	5302	1951	1978
178	02953022	USINA IVAI	2907	5321	1945	1984
179	02954001	CACEQUI - CACEQUI	2954	5449	1945	1984
180	02954002	CARANGUEJO	2948	5402	1958	1980
181	02954004	ERNESTO ALVES	2922	5443	1960	1984
182	02954007	JAGUARI - JAGUARI	2930	5442	1958	1984
183	02954009	PAU FINCADO	2920	5419	1955	1980
184	02954010	PONTE TOROPI	2940	5428	1957	1982
185	02955001	ALEGRETE - ALEGRETE	2947	5546	1953	1983
186	02955002	CACHOEIRA STA CECILIA - ITAQUI	2910	5528	1959	1984
187	02956003	FAZ. TRES CAPOES - ALEGRETE	2939	5525	1945	1984
188	02956007	PLANO ALTO - URUGUAIANA	2903	5509	1945	1984
189	03051003	CAMAQUA - CAMAQUA	3050	5148	1945	1984
190	03051013	TAPES - TAPES	3040	5124	1945	1969
191	03052002	CACHOEIRA DO SUL - CACHOEIRA DO SUL	3002	5253	1945	1970
192	03052003	CAPIVARITA	3020	5219	1951	1980
193	03052004	DOM FELICIANO	3041	5204	1956	1984
194	03052007	PASSO DA GUARDA-ENCRUZILHADA DO SUL	3054	5227	1945	1984
195	03052008	PASSO MARINHEIRO(R.CAMAQUA)-ENCRUZ.	3054	5249	1945	1984
196	03052009	PASSO SAO JOSE - CANGUCU	3053	5214	1945	1984
197	03052010	PORTO TARUMA	3055	5257	1956	1984
198	03053005	FORMIGUEIRO	3000	5325	1952	1980
199	03053007	LAVRAS DO SUL(LAVRAS)-LAVRAS DO SUL	3048	5353	1945	1984
200	03053009	MARCO DA RAMADA	3008	5342	1958	1980

TABELA A1 - ESTACOES PLUVIOMETRICAS SELECIONADAS

No	CODIGO DA ESTACAO	NOME DA ESTACAO E MUNICIPIO	COORDENADAS		PERIODO	
			LATITUDE	LONGIT	INICIO	FIM
201	03053009	MATA GRANDE	3008	5342	1958	1980
202	03053012	SAO SEPE - SAO SEPE	3010	5334	1945	1984
203	03053015	SANTANA DA BOA VISTA-S. DA BOA VISTA	3052	5307	1945	1984
204	03054007	ROSARIO DO SUL - ROSARIO DO SUL	3015	5457	1945	1984
205	03054010	SAO GABRIEL	3020	5419	1945	1978
206	03054015	CERRO DO OURO	3034	5410	1958	1980
207	03055001	SANTANA DO LIVRAMENTO - LIVRAMENTO	3053	5532	1945	1982
208	03056003	QUARAI - QUARAI	3022	5628	1945	1975
209	03150001	MOSTARDAS - MOSTARDAS	3109	5058	1952	1978
210	03151003	SAO LOURENÇO DO SUL - SAO LOURENÇO	3122	5158	1945	1984
211	03152003	CANGUÇU - CANGUÇU	3123	5240	1945	1984
212	03152016	PTE CORDEIRO DE FARIAS - PELOTAS	3135	5226	1965	1984
213	03153003	PARAISO - BAGE	3110	5356	1959	1984
214	03153014	USINA CANDIOTA - BAGE	3133	5340	1950	1984
215	03154001	BAGE - BAGE	3120	5406	1945	1984
216	03252008	GRANJA STA MARIA - RIO GRANDE	3236	5236	1966	1984

TABELA A3 - POSTOS FLUVIOMÉTRICOS SELECIONADOS

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	AREA (km2)	COORDENADAS		SERIE DNARE		NOTA	
				LATIT	LONGIT	INICIO	FIM	MAX	MIN
1	70100000	DESPRAIADO - RIO PELOTAS	526.5	2825	4945	04/76		D	B
2	70200000	INVERNADA VELHA - RIO PELOTAS	2816.4	2823	5029	06/64		D	C
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	1147	2822	5001	03/42		C/B	C
4	70400000	USINA TOUROS - RIO DOS TOUROS	244	2838	5017	04/49	01/68	E	B
5	70500000	COXILHA RICA - RIO PELOTINHAS	638.6	2809	5026	03/42	02/40	E	C
6	70700000	PASSO SOCORRO - RIO PELOTAS	8365	2822	5048	03/42		D	C
7	71200000	VILA CANOAS - RIO CANOAS	978.5	2748	4946	06/57		C	C
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	499.6	2749	4938	06/59		C	C
9	71300000	RIO BONITO - RIO CANOAS	1971.8	2742	4950	03/42		C	B
10	71350000	ENCRUZILHADA - RIO CANOAS	2980	2731	5007	09/51	12/84	B	C
11	71383000	PTE ALTA DO SUL - RIO CANOAS	4783	2729	5023	11/56		B	B
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	41	2721	5026	05/58	12/71	E	C
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	374	2714	5028	10/59		B	B
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	643	2704	5038	04/59	06/84	C	C
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	3722	2720	5044	04/40		B	B
16	71550000	PASSO CARU - RIO CANOAS	10071	2733	5051	12/50		B	E
17	71800000	COLONIA SANTANA - RIO CANOAS	13225	2739	5104	02/64	12/63	C	B
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	29619	2730	5143	03/49		D	B
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	1434	2755	5144	08/59	01/83	E	B
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	1683	2750	5145	05/57		E	C
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	1022	2751	5201	05/57		E	A
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	2783	2741	5153	10/57		E	A
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	3627	2734	5151	10/39		C	C
24	72810000	TANGARA - RIO DO PEIXE	2058	2706	5115	03/76		E	B
25	72870000	BARRA DO RIO PARDO - RIO LEAO	454	2118	5131	06/76		D	B
26	72980000	RIO URUGUAI - RIO DO PEIXE	5239	2727	5152	10/39		E	C
27	73010000	MARCELINO RAMOS - RIO URUGUAI	41267	2728	5155	10/39		E	C
28	73200000	ITA - RIO URUGUAI	43901	2717	5220	05/40		E	D
29	73300000	BONITO - RIO IRANI	630	2657	5210	08/51		E	C
30	73330000	PASSO ALTO IRANI - RIO IRANI	900	2659	5221	07/58		B	C
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	1763	2740	5248	01/48	12/70	B	C
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	2157	2733	5244	06/60	11/70	D/C	B
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	3650	2723	5243	10/69	11/69	D	C
34	73550000	PASSO CAXAMBU - RIO URUGUAI	52671	2710	5252	05/40		D	D
35	73600000	ABELARDO LUZ - RIO CHAPECO	1850	2634	5219	04/53		E	C
36	73610000	PONTE SAUDADES - RIO SAUDADES	702	2639	5227	01/76		E	B
37	73730000	PORTO ELVINO - RIO CHAPECO	5239	2647	5240	10/59	12/78	D	B
38	73750000	PORTO FAE - RIO CHAPECO	5528	2650	5243	07/59	01/78	E	C
39	73765000	PASSO QUILOMBO - RIO DO OURO	257.5	2646	5243	01/76		E	B
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	7535	2654	5251	06/59		E	B
41	73900000	SAUDADES - RIO SAUDADES	445	2656	5300	04/53		E	C
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	8267	2705	5259	03/72		D	B
43	74100000	IRAI - RIO URUGUAI	62199	2711	5315	07/41		C	B
44	74205000	LINHA CESCON - CATURETE	442	2747	5305	06/59		E	B
45	74270000	PASSO RIO DA VARZEA - RIO DA VARZEA	5298	2716	5318	05/40		D	B
46	74295000	LINHA JATAI - RIO IRACEMA	328	2701	5317	01/76		E	B
47	74310000	LINHA POLACA - RIO DAS ANTAS	902	2639	5326	01/76	06/85	E	C
48	74320000	PTE DO RIO SARGENTO - RIO SARGENTO	604	2640	5319	07/65		E	C
49	74370000	PALMITINHO - RIO GUARITA	2008	2721	5340	02/64		E	C
50	74460000	PTE DO RIO TURVO - RIO TURVO	536	2749	5343	02/76		B/A	B

TABELA A3 - POSTOS FLUVIOMETRICOS SELECIONADOS

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	AREA (km2)	COORDENADAS		SERIE DNABE		NOTA	
				LATIT	LONGIT	INICIO	FIM	MAX	MIN
51	74470000	TRES PASSOS - RIO TURVO	1545	2723	5353	02/64		D	E
52	74600000	CASCATA BURICA - RIO BURICA	2201	2731	5415	12/41		D	B
53	74700000	TUCUNDUVA - RIO SANTA ROSA	1113	2739	5428	12/41		C	B
54	74750000	LINHA CASCATA - RIO SANTO CRISTO	355	2751	5433	09/63		E	B
55	74880000	PASSO SAO JOAO - RIO COMANDAI	822	2803	5445	11/41		E	C
56	74900000	LINHA UNIAO - RIO COMANDAI	1240	2759	5455	11/69		C	B
57	75155000	PASSO FAXINAL - RIO IJUI	1951	2819	5354	11/41		E	C
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	593	2926	5351	09/63		C/B	B
59	75200000	CONCEICAO - RIO CONCEICAO	609	2830	5354	06/42		C	B
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	784	2823	5402	11/74		C	B
61	75230000	SANTO ANGELO - RIO IJUI	5050	2821	5416	11/41		C	C
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	867	2847	5359	09/63	12/78	D	B
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	2005	2825	5419	11/74		C	E
64	75320000	PONTE MISTICA - RIO IJUI	9030	2811	5445	10/57		C	B
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	915	2840	5428	11/41		D	C
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	3154	2834	5455	12/56		E	C
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	5146	2813	5520	11/41		C/D	B
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	3724	2833	5535	11/41		E	E
69	76100000	VILA CLARA - RIO TOROPI	2765	2933	5420	11/41		B/A	E
70	76120000	PONTE TOROPI - RIO TOROPI	3323	2940	5428	07/55		A/C	C
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	12210	3015	5455	05/67		B/C	C
72	76440000	JAGUARI - RIO JAGUARI	2339	2930	5441	11/41		B/C	C
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	921	2922	5445	09/58		E	C
74	76470000	PASS DO JAGUARIZINHO-RIO JAGUARIZINHO	1345	2929	5447	10/55	03/71	E	C
75	76490000	PASSO DO LORETO - RIO JAGUARI	4574	2941	5456	07/55		A/B	C
76	76500000	JACAQUA - RIO IBICUI	27260	2941	5511	11/41		C	D
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	379.6	2928	5516	11/64		D/C	C
78	76560000	MANUEL VIANA - RIO IBICUI	28820	2936	5529	06/67		A	C
79	76650000	PASSO CACHOBIRA - RIO ITU	2451	2918	5542	04/42		D/E	C
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	3089	2958	5545	11/39		B/A	B
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	1426	2957	5536	02/77		B/D	C
82	76750000	ALEGRETE - RIO IBIRAPUITA	5776	2947	5547	12/39		B	B
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	35935	2918	5603	10/41		C	C
84	77150000	URUGUAIANA - RIO URUGUAI	189300	2945	5704	12/39		A	D
85	85080000	ESPUMOSO - RIO JACUI	2595	2843	5251	07/41		E	C
86	85140000	PASSO BELA VISTA - RIO JACUI	4015	2845	5259	01/41		C	A
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	375	2835	5301	11/41	12/70	E	B
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	715	2832	5310	10/57		C	A
89	85220000	PASSO DO NOVO - RIO JACUI	6419	2852	5308	03/59	06/70	D	B
90	85240000	PASSO DO INGAI - RIO INGAI	1019	2857	5312	06/40	03/70	D	C
91	85322000	USINA IVAI - RIO IVAI	1555	2907	5321	12/77		D	C
92	85340000	FAZ. DO CERVO - RIO IVAI	1693	2909	5321	07/40	12/53	E	C
93	85360000	ITAUBA I - RIO JACUI	10200	2915	5314	03/67	04/75	C/D	C
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	1860	2913	5307	05/52		D	B
95	85385000	VOLTA GRANDE I - RIO JACUI	12720	2926	5317	10/67		D	B
96	85395000	VOLTA GRANDE II - RIO JACUI	13028	2927	5317	10/67		E	C
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	910	2947	5322	11/76		D	E
98	85470000	PTE SAO GABRIEL - RIO VACACAI	397	3020	5418	10/67		E	C
99	85480000	PASSO DO ROCHA - RIO VACACAI	2987	3014	5359	10/69		D	C
100	85600000	PASSO DAS TUNAS - RIO VACACAI	6725	2955	5325	04/40		C/B	E

TABELA A3 - POSTOS FLUVIOMETRICOS SELECIONADOS

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	AREA (km ²)	COORDENADAS		SERIE DNAEE		NOTA	
				LATIT	LONGIT	INICIO	FIM	MAX	MIN
101	85620000	PULQUERIA - ARROIO SAO SEPE	620	3013	5341	05/47		E	B
102	85625000	SAO SEPE - ARROIO SAO SEPE	732	3011	5333	01/76		D	B
103	85780000	PASSO DO MEIO - RIO PARDO	2058	2955	5229	12/39	07/54	C	D
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	760	2942	5228	12/78		A/C	B
105	85850000	SANTA CRUZ - RIO PARDINHO	890	2943	5228	02/64	03/80	A	D
106	85900000	RIO PARDO - RIO JACUI	38103	2959	5221	12/39		C/B	C
107	86050000	CAMISAS - RIO CAMISAS	149	2906	5010	02/46		C/D	B
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	1722	2847	5025	09/40		E	C
109	86120000	TAINHAS - RIO TAINHAS	202	2916	5018	02/46		C	B
110	86160000	PASSO TAINHAS - RIO TAINHAS	1107	2851	5027	08/40		C	C
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	344	2901	5044	01/41	03/52	E	B
112	86410000	P.BARRA DA GUAIABEIRA - RIO TURVO	2690	2842	5127	11/56		C	D
113	86420000	PONTE DO PRATA - RIO DO PRATA	320	2841	5136	06/59		C	A
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	1265	2836	5152	11/56		D	C
115	86500000	PASSO CARREIRO - RIO CARREIRO	1819	2850	5152	10/39		E	A
116	86510000	MUCUM - RIO TAQUARI	14942	2911	5152	01/40		E	B
117	86580000	SANTA LUCIA - RIO GUAPORE	2413	2910	5153	01/40		E	B
118	86700000	PONTE JACARE - ARROIO JACARE	408	2911	5156	04/43		E/C	B
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	799	2909	5211	07/57		E	B
120	87310000	ITATI - RIO TRES FORQUILHAS	364	2930	5005	11/62		A/B	B
121	87360000	ENTREPELADO - RIO DOS SINOS	1387	2944	5045	07/47	03/72	A	B
122	87380000	CAMPO BOM - RIO DOS SINOS	2821	2941	5102	11/39		A/C	C
123	87730000	PASSO DO MARINHEIRO - RIO CAMAQUA	9926	3054	5249	01/43		C	C
124	87905000	PASSO DO MENDONCA - RIO CAMAQUA	15485	3101	5203	05/64		B	C
125	88179000	DARIO LASSANCE - ARROIO CANDIOTA	313	3132	5340	10/48	12/57	E	B
126	88185000	CANDIOTINHA - ARROIO CANDIOTINHA	235	3136	5337	05/72		B	B

TABELA A5 - COEFICIENTES DE ESCOAMENTO - VALORES MEDIOS POR ESTACAO FLUVIOMETRICA

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	VAZAO ANUAL m3/s	AREA DA BACIA km2	VAZAO ANUAL mm	PRECIPITACAO ANUAL mm	COEF. DE ESCOAM.
1	70100000	DESPRAIADO - RIO PELOTAS	18.00	526.5	1078	1754	0.615
2	70200000	INVERNADA VELHA - RIO PELOTAS	73.74	2816.4	826	1465	0.564
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	27.48	1147.0	756	1462	0.517
4	70400000	USINA TOUROS - RIO DOS TOUROS	3.73	244.0	482	1467	0.329
5	70500000	COXILHA RICA - RIO PELOTINHAS	16.78	638.6	829	1508	0.550
6	70700000	PASSO SOCORRO - RIO PELOTAS	196.84	8365.0	742	1534	0.484
7	71200000	VILA CANOAS - RIO CANOAS	28.97	978.5	934	1667	0.560
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	13.04	499.6	823	1516	0.543
9	71300000	RIO BONITO - RIO CANOAS	50.07	1971.8	801	1516	0.528
10	71350000	ENCRUZILHADA - RIO CANOAS	80.78	2980.0	855	1489	0.574
11	71383000	PTE ALTA DO SUL - RIO CANOAS	109.57	4783.0	722	1484	0.487
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	0.72	41.0	554	1448	0.382
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	9.45	374.0	797	1465	0.544
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	11.72	643.0	575	1474	0.390
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	78.84	3722.0	668	1459	0.458
16	71550000	PASSO CARU - RIO CANOAS	244.86	10071.0	767	1488	0.515
17	71800000	COLONIA SANTANA - RIO CANOAS	290.28	13225.0	692	1489	0.465
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	613.97	29619.0	654	1477	0.443
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	31.96	1434.0	703	1752	0.401
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	39.61	1683.0	742	1769	0.420
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	31.44	1022.0	970	1662	0.584
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	71.01	2783.0	805	1703	0.472
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	89.77	3627.0	781	1734	0.450
24	72810000	TANGARA - RIO DO PEIXE	42.74	2058.0	655	1641	0.399
25	72870000	BARRA DO RIO PARDO - RIO LEAO	11.88	454.0	825	1641	0.503
26	72980000	RIO URUGUAI - RIO DO PEIXE	109.11	5239.0	657	1444	0.455
27	73010000	MARCELINO RAMOS - RIO URUGUAI	894.81	41267.0	684	1553	0.440
28	73200000	ITA - RIO URUGUAI	968.12	43901.0	695	1542	0.451
29	73300000	BONITO - RIO IRANI	19.18	630.0	960	1932	0.497
30	73330000	PASSO ALTO IRANI - RIO IRANI	27.87	900.0	977	1997	0.489
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	44.82	1763.0	802	1747	0.459
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	43.64	2157.0	638	1632	0.391
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	92.80	3650.0	802	1724	0.465
34	73550000	PASSO CAXAMBU - RIO URUGUAI	1138.14	52671.0	681	1509	0.452
35	73600000	ABELARDO LUZ - RIO CHAPECO	57.90	1850.0	987	2190	0.451
36	73610000	PONTE SAUDADES - RIO SAUDADES	19.33	702.0	868	1956	0.444
37	73730000	PORTO ELVINO - RIO CHAPECO	147.95	5239.0	891	2112	0.422
38	73750000	PORTO FAE - RIO CHAPECO	150.58	5528.0	859	2125	0.404
39	73765000	PASSO QUILOMBO - RIO DO OURO	8.52	257.5	1043	1969	0.530
40	73850000	PASSO NOVA ERRECHIM - RIO CHAPECO	200.72	7535.0	840	2064	0.407
41	73900000	SAUDADES - RIO SAUDADES	12.25	445.0	868	1724	0.504
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	223.70	8267.0	853	2021	0.422
43	74100000	IRAI - RIO URUGUAI	1392.68	62199.0	706	1837	0.384
44	74205000	LINHA CESCON - CATURETE	9.97	442.0	711	1711	0.416
45	74270000	PASSO RIO DA VARZEA - RIO DA VARZEA	130.88	5298.0	779	1674	0.465
46	74295000	LINHA JATAI - RIO IRACEMA	7.02	328.0	675	1724	0.392
47	74310000	LINHA POLACA - RIO DAS ANTAS	31.33	902.0	1095	1851	0.592
48	74320000	PTE DO RIO SARGENTO - RIO SARGENTO	17.03	604.0	889	1851	0.480
49	74370000	PALMITINHO - RIO GUARITA	55.69	2008.0	875	1775	0.493
50	74460000	PTE DO RIO TURVO - RIO TURVO	11.98	536.0	705	1723	0.409

TABELA A5 - COEFICIENTES DE ESCOAMENTO - VALORES MEDIOS POR ESTACAO FLUVIOMETRICA

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	VAZAO ANUAL m3/s	AREA DA BACIA km2	VAZAO ANUAL mm	PRECIPITACAO ANUAL mm	COEF. DE ESCOAM.
51	74470000	TRES PASSOS - RIO TURVO	37.07	1545.0	757	1725	0.439
52	74600000	CASCATA BURICA - RIO BURICA	49.04	2201.0	703	1722	0.408
53	74700000	TUCUNDUVA - RIO SANTA ROSA	25.75	1113.0	730	1451	0.503
54	74750000	LINHA CASCATA - RIO SANTO CRISTO	7.62	355.0	677	1395	0.485
55	74880000	PASSO SAO JOAO - RIO COMANDAI	20.44	822.0	784	1684	0.466
56	74900000	LINHA UNIAO - RIO COMANDAI	34.92	1240.0	888	1690	0.525
57	75155000	PASSO FAXINAL - RIO IJUI	46.90	1951.0	758	1758	0.431
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	14.31	593.0	761	1729	0.440
59	75200000	CONCEICAO - RIO CONCEICAO	19.67	609.0	1019	1729	0.589
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	22.92	784.0	922	1729	0.533
61	75230000	SANTO ANGELO - RIO IJUI	121.51	5050.0	759	1714	0.443
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	24.33	867.0	885	1729	0.512
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	54.13	2005.0	851	1632	0.522
64	75320000	PONTE MISTICA - RIO IJUI	228.03	9030.0	796	1700	0.468
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	23.41	915.0	807	1604	0.503
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	80.98	3174.0	805	1675	0.480
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	110.47	5146.0	677	1706	0.397
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	49.43	3724.0	419	1659	0.252
69	76100000	VILA CLARA - RIO TOROPI	56.20	2765.0	641	1445	0.444
70	76120000	PONTE TOROPI - RIO TOROPI	63.96	3323.0	607	1521	0.399
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	208.08	12210.0	537	1376	0.391
72	76440000	JAGUARI - RIO JAGUARI	49.64	2339.0	669	1487	0.450
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	26.37	921.0	903	1693	0.533
74	76470000	PASSO JAGUARIZINHO - R. JAGUARIZINHO		1270.0			
75	76490000	PASSO DO LORETO - RIO JAGUARI	104.47	4574.0	720	1528	0.471
76	76500000	JACAQUA - RIO IBICUI	481.87	27260.0	557	1413	0.395
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	10.18	379.6	846	1563	0.541
78	76560000	MANUEL VIANA - RIO IBICUI	541.07	28820.0	592	1418	0.418
79	76650000	PASSO CACHOEIRA - RIO ITU	56.83	2451.0	731	1503	0.486
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	82.31	3089.0	840	1416	0.593
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	31.11	1426.0	688	1424	0.483
82	76750000	ALEGRETE - RIO IBIRAPUITA	113.28	5776.0	618	1425	0.434
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	806.91	35935.0	708	1435	0.493
84	77150000	URUGUAIANA - RIO URUGUAI	4368.13	189300.0	728	1531	0.475
85	85080000	ESPUMOSO - RIO JACUI	65.81	2595.0	800	1671	0.479
86	85140000	PASSO BELA VISTA - RIO JACUI	104.74	4015.0	823	1671	0.492
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	8.88	375.0	747	2018	0.370
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	19.62	715.0	865	1694	0.511
89	85220000	PASSO DO NOVO - RIO JACUI	149.87	6419.0	738	1786	0.412
90	85240000	PASSO DO INGAI - RIO INGAI	22.29	1019.0	690	1641	0.420
91	85322000	USINA IVAI - RIO IVAI		1535.0			
92	85340000	FAZ. DO CERVO - RIO IVAI	26.04	1693.0	485	1591	0.305
93	85360000	ITAUBA I - RIO JACUI	187.69	10200.0	580	1629	0.356
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	41.30	1860.0	700	1610	0.435
95	85385000	VOLTA GRANDE I - RIO JACUI	285.15	12720.0	707	1400	0.505
96	85395000	VOLTA GRANDE II - RIO JACUI	328.58	13028.0	795	1400	0.568
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	9.21	910.0	319	1512	0.211
98	85470000	PTE SAO GABRIEL - RIO VACACAI	14.61	997.0	462	1283	0.360
99	85480000	PASSO DO ROCHA - RIO VACACAI	45.83	2987.0	484	1301	0.372
100	85600000	PASSO DAS TUNAS - RIO VACACAI	99.67	6725.0	467	1340	0.349

TABELA A5 - COEFICIENTES DE ESCOAMENTO - VALORES MEDIOS POR ESTACAO FLUVIAL

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	VAZAO ANUAL m3/s	AREA DA BACIA km2	VAZAO ANUAL mm	PRECIPITACAO ANUAL mm	COEF. DE ESCOAM.
101	85620000	PULQUERIA - ARROIO SAO SEPE	9.23	620.0	469	1391	0.338
102	85625000	SAO SEPE - ARROIO SAO SEPE	12.31	732.0	530	1393	0.381
103	85780000	PASSO DO MEIO - RIO PARDO	25.46	2058.0	390	1668	0.234
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	20.37	760.0	845	1704	0.496
105	85850000	SANTA CRUZ - RIO PARDINHO	15.18	890.0	538	1700	0.316
106	85900000	RIO PARDO - RIO JACUI	677.50	38103.0	561	1497	0.375
107	86050000	CAMISAS - RIO CAMISAS	3.03	149.0	641	1479	0.434
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	38.26	1722.0	701	1466	0.478
109	86120000	TAINHAS - RIO TAINHAS	5.38	202.0	840	1450	0.579
110	86160000	PASSO TAINHAS - RIO TAINHAS	22.22	1094.0	641	1495	0.428
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	5.46	344.0	501	1501	0.333
112	86410000	P.BARRA DA GUATAVEIRA - RIO TURVO	64.06	2690.0	751	1546	0.486
113	86420000	PONTE DO PRATA - RIO DO PRATA	8.36	320.0	824	1607	0.513
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	30.43	1265.0	759	1509	0.503
115	86500000	PASSO CARREIRO - RIO CARREIRO	39.52	1819.0	685	1576	0.435
116	86510000	MUCUM - RIO TAQUARI	329.77	14942.0	696	1563	0.445
117	86580000	SANTA LUCIA - RIO GUAPORE	56.90	2413.0	744	1736	0.428
118	86700000	PONTE JACARE - ARROIO JACARE	10.01	408.0	774	1697	0.456
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	21.70	799.0	856	1681	0.510
120	87310000	ITATI - RIO TRES FORQUILHAS		364.0		1426	
121	87360000	ENTREPELADO - RIO DOS SINOS	16.26	1387.0	370	1474	0.251
122	87380000	CAMPO BOM - RIO DOS SINOS	62.98	2821.0	704	1513	0.465
123	87730000	PASSO DO MARINHEIRO - RIO CAMAQUA	167.22	9926.0	531	1416	0.375
124	87905000	PASSO DO MENDONCA - RIO CAMAQUA	304.31	15485.0	620	1399	0.443
125	88179000	DARIO LASSANCE - ARROIO CANDIOTA	3.44	313.0	347	1378	0.252
126	88185000	CANDIOTINHA - ARROIO CANDIOTINHA	3.90	235.0	523	1378	0.380

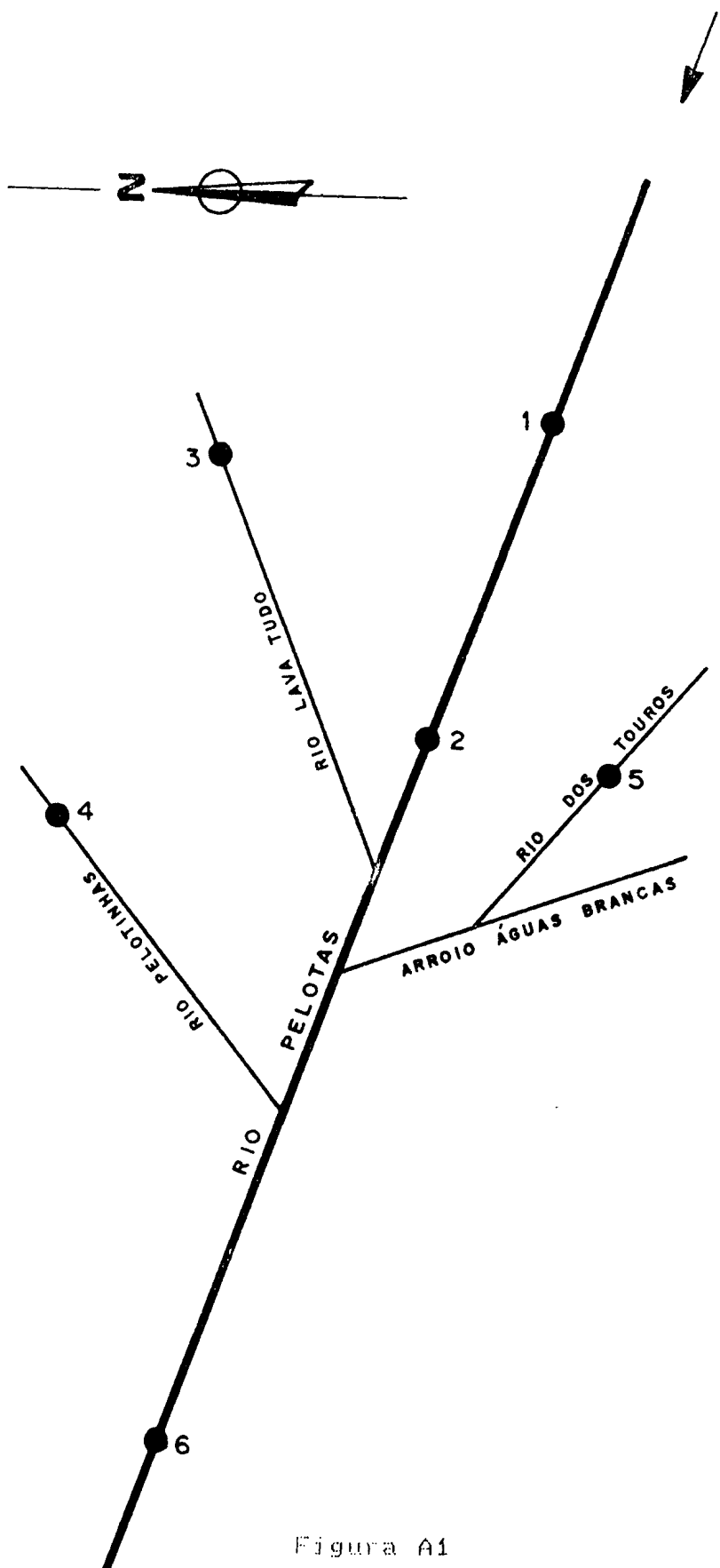


Figura A1

LOCALIZAÇÃO ESQUEMÁTICA DOS POSTOS

SUB - BACIA : 70

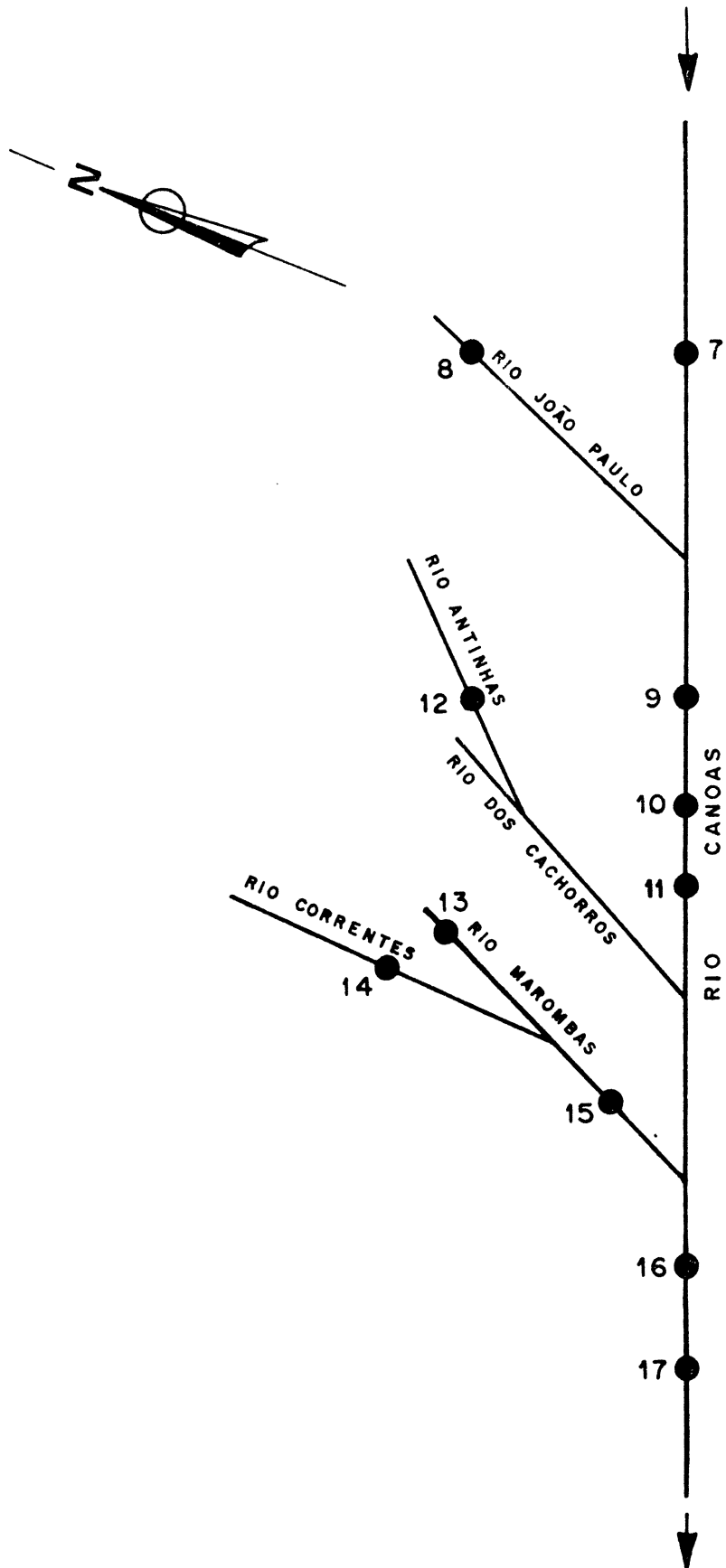


Figura A2

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 71

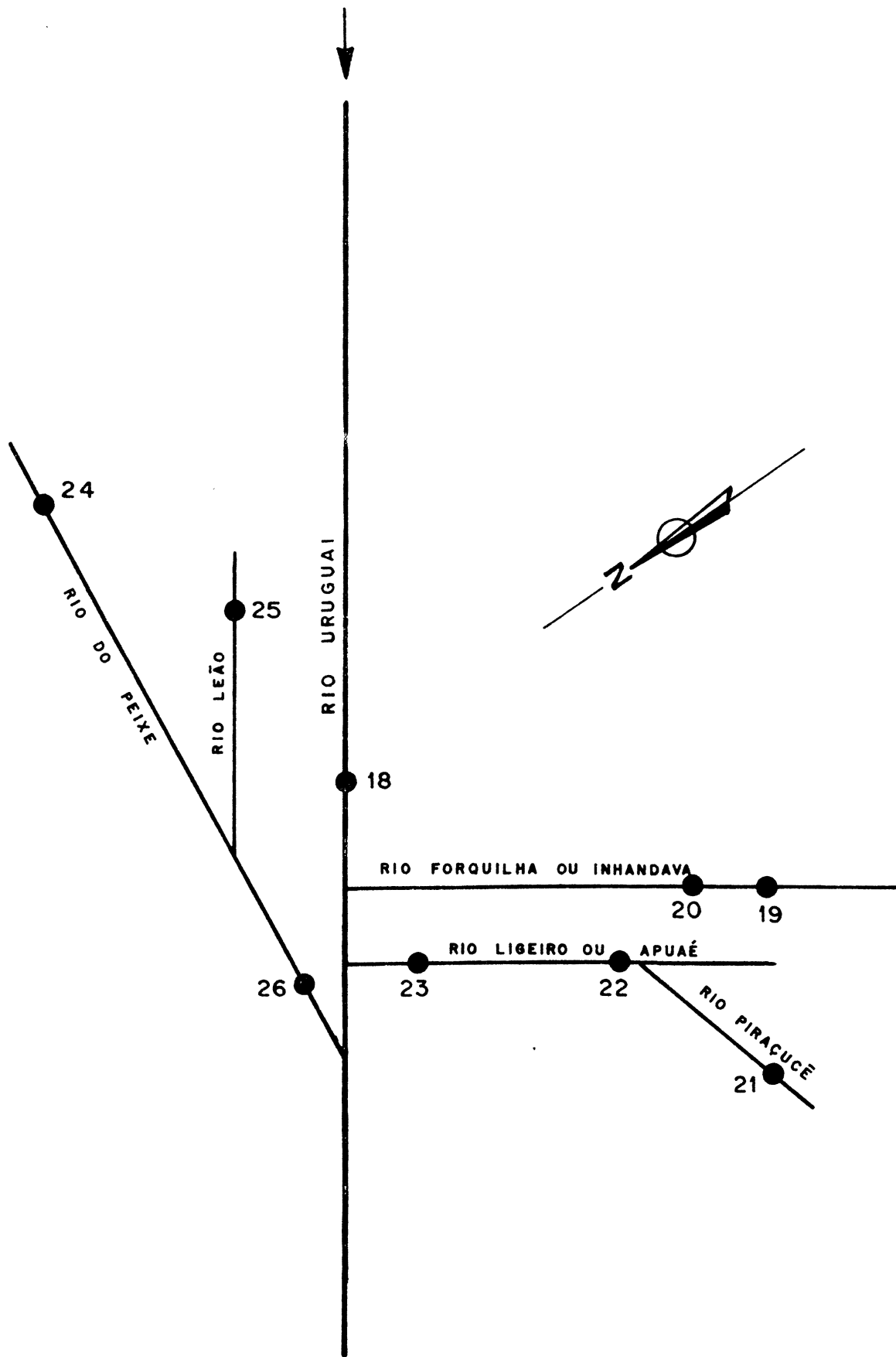


Figura A3

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 72

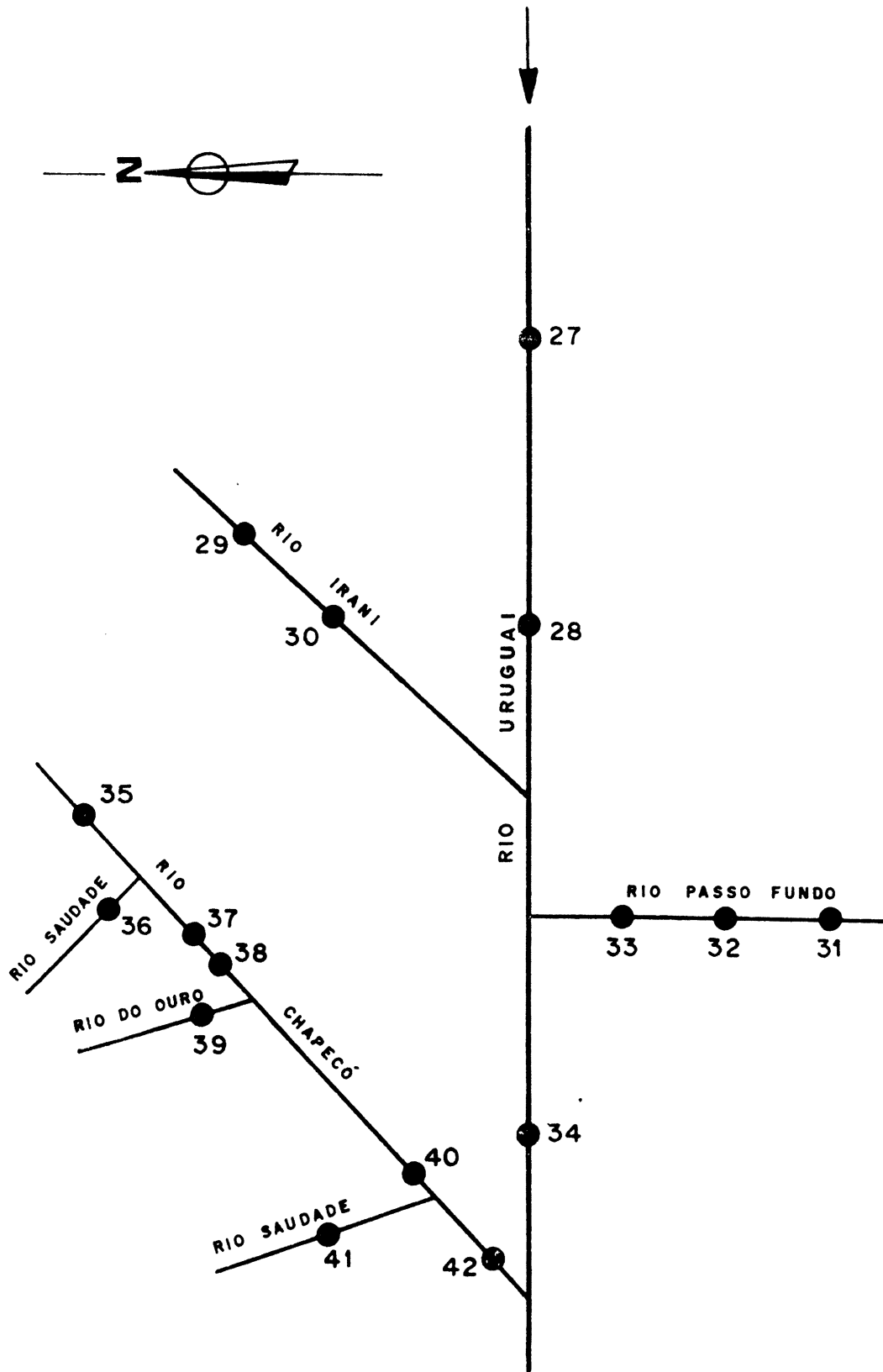


Figura A4

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 73

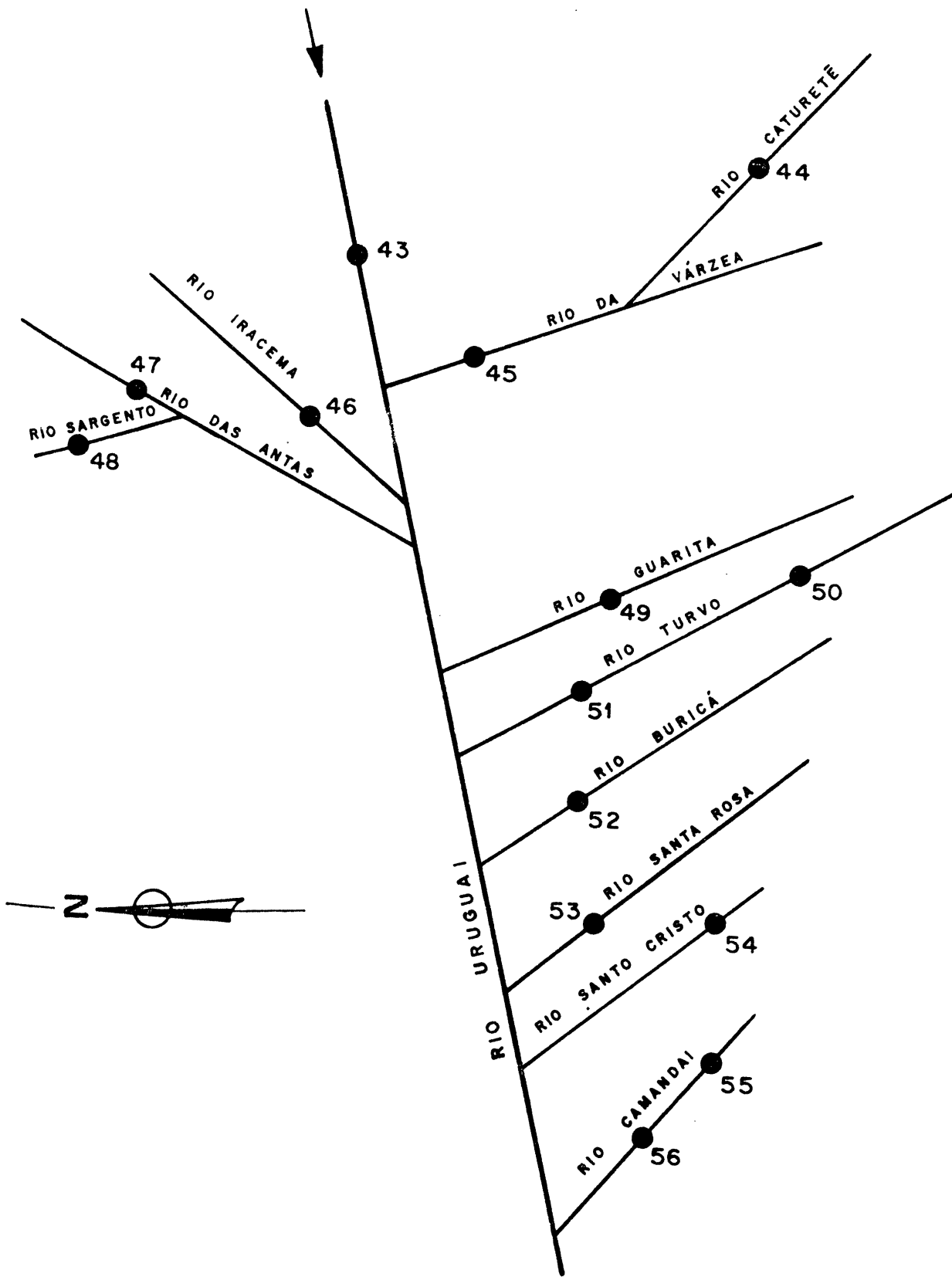


Figura A5

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 74

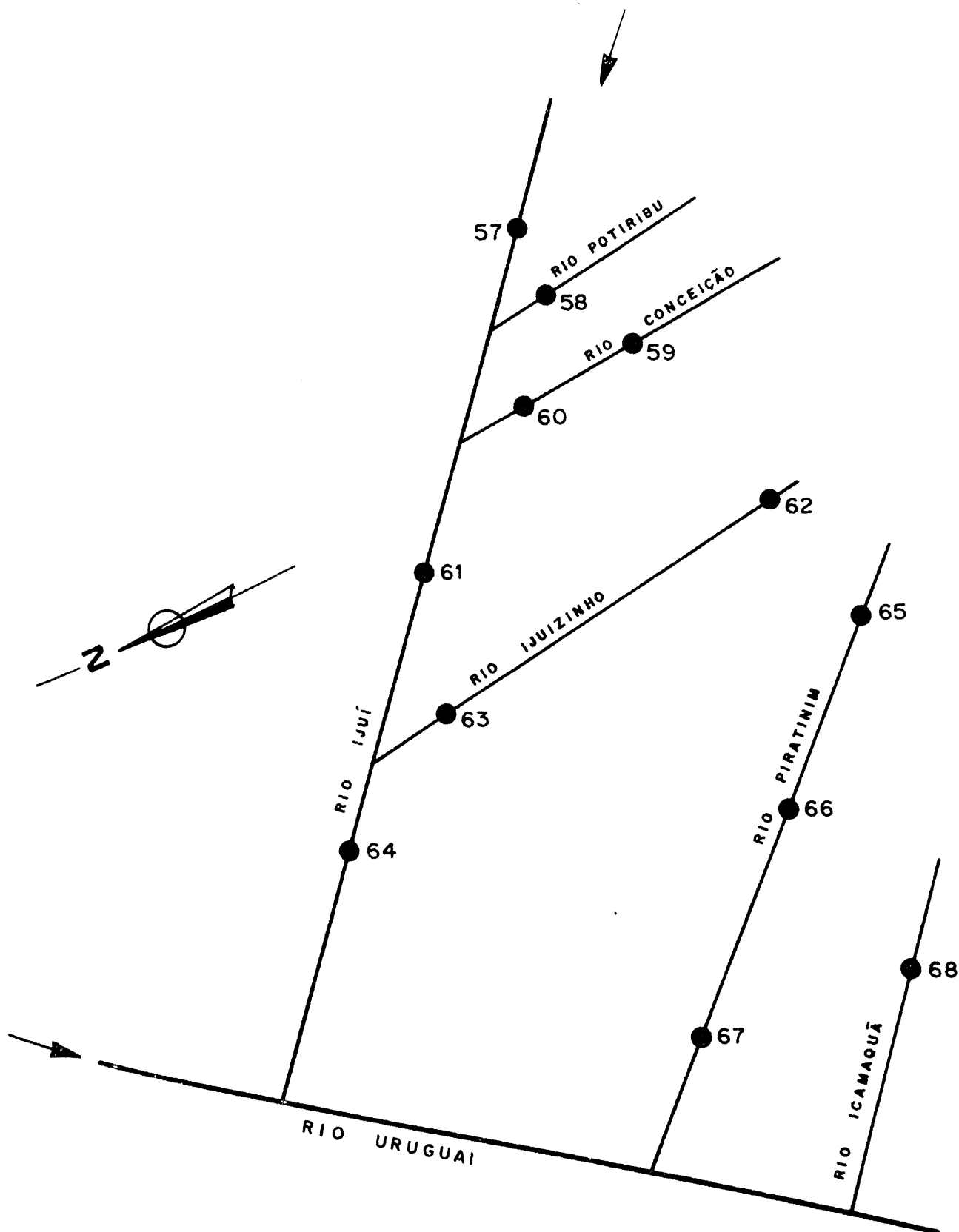


Figura A6

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 75

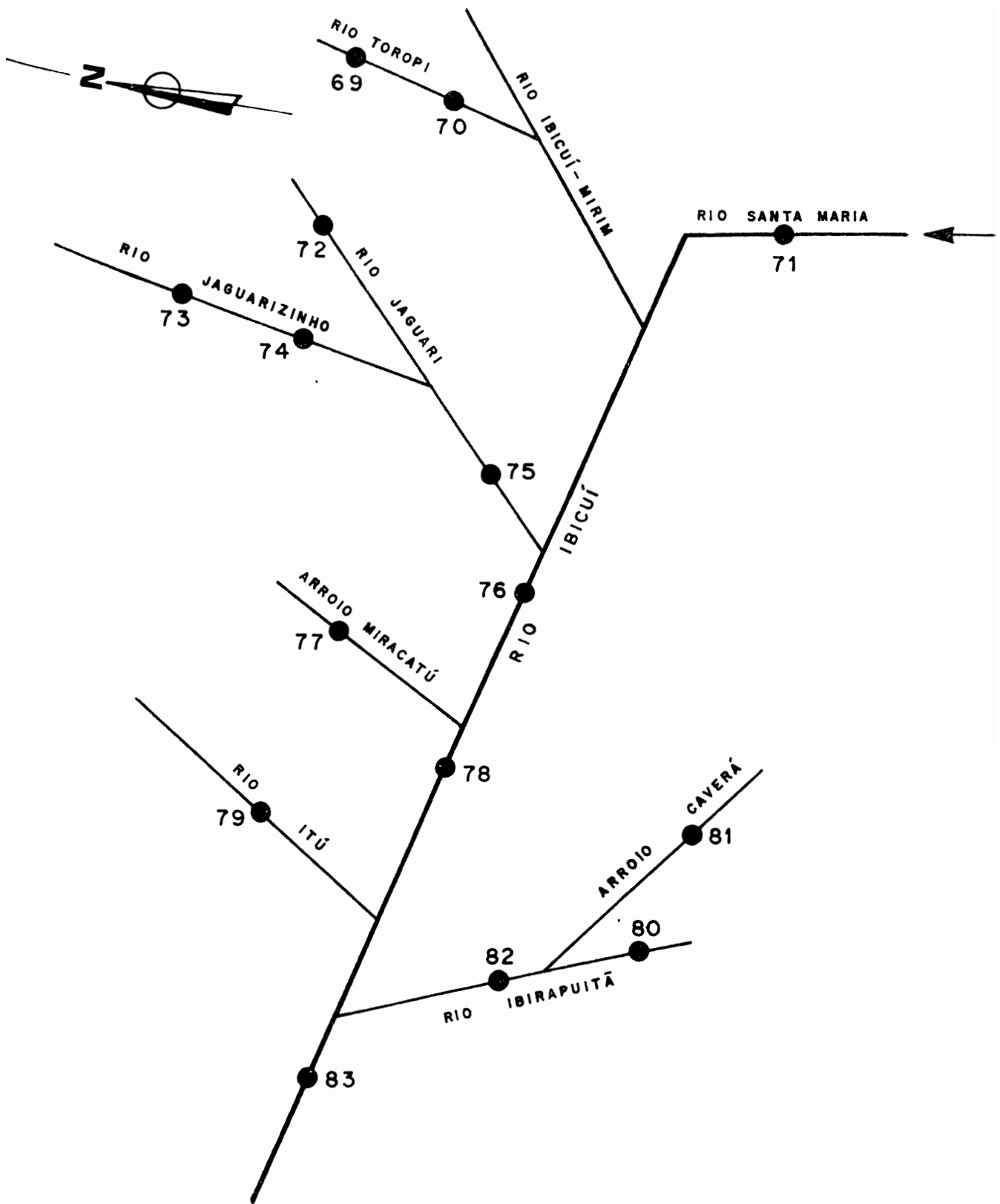


Figura 67

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 76

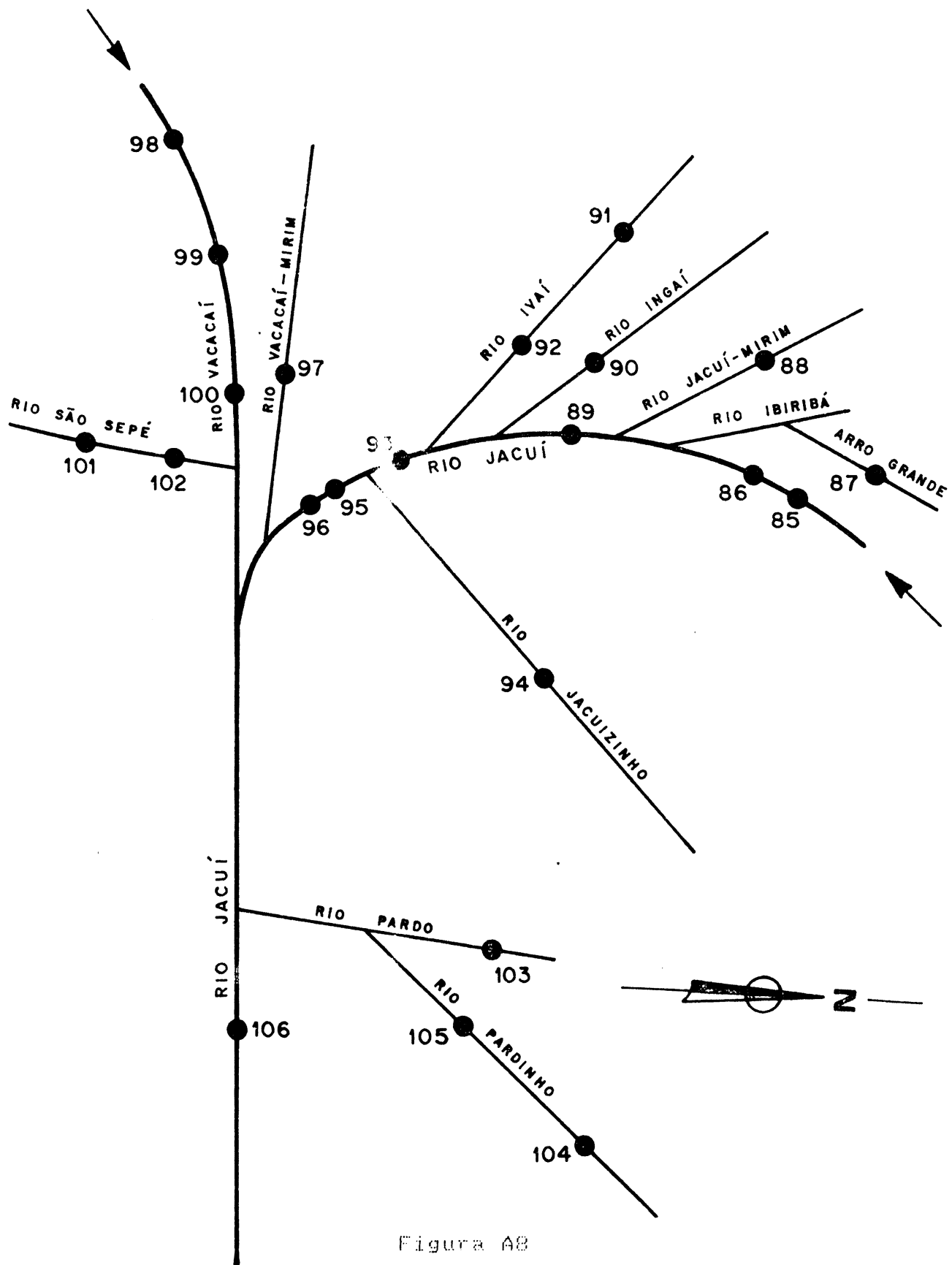


Figura A8

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 85

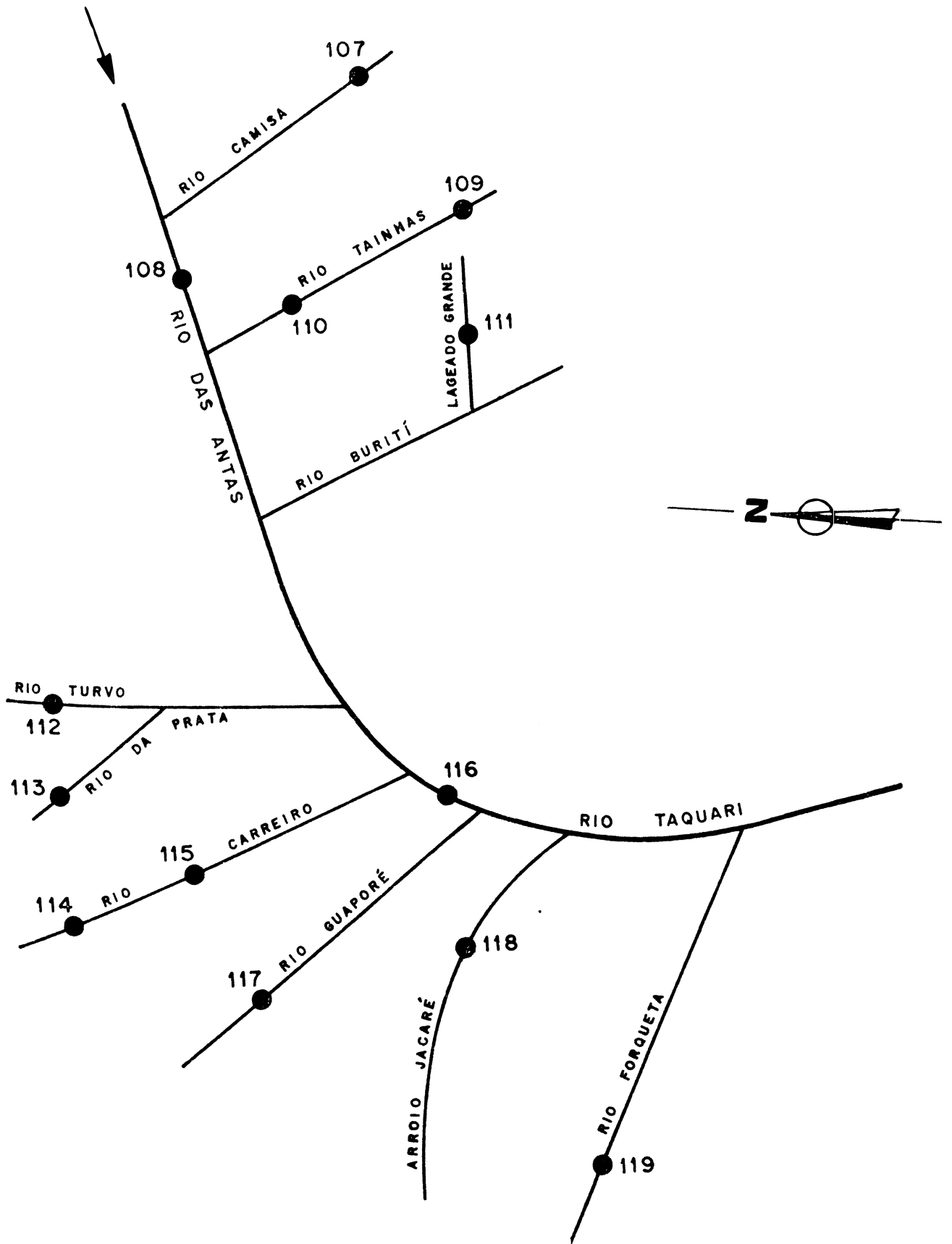


Figura A9

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 86

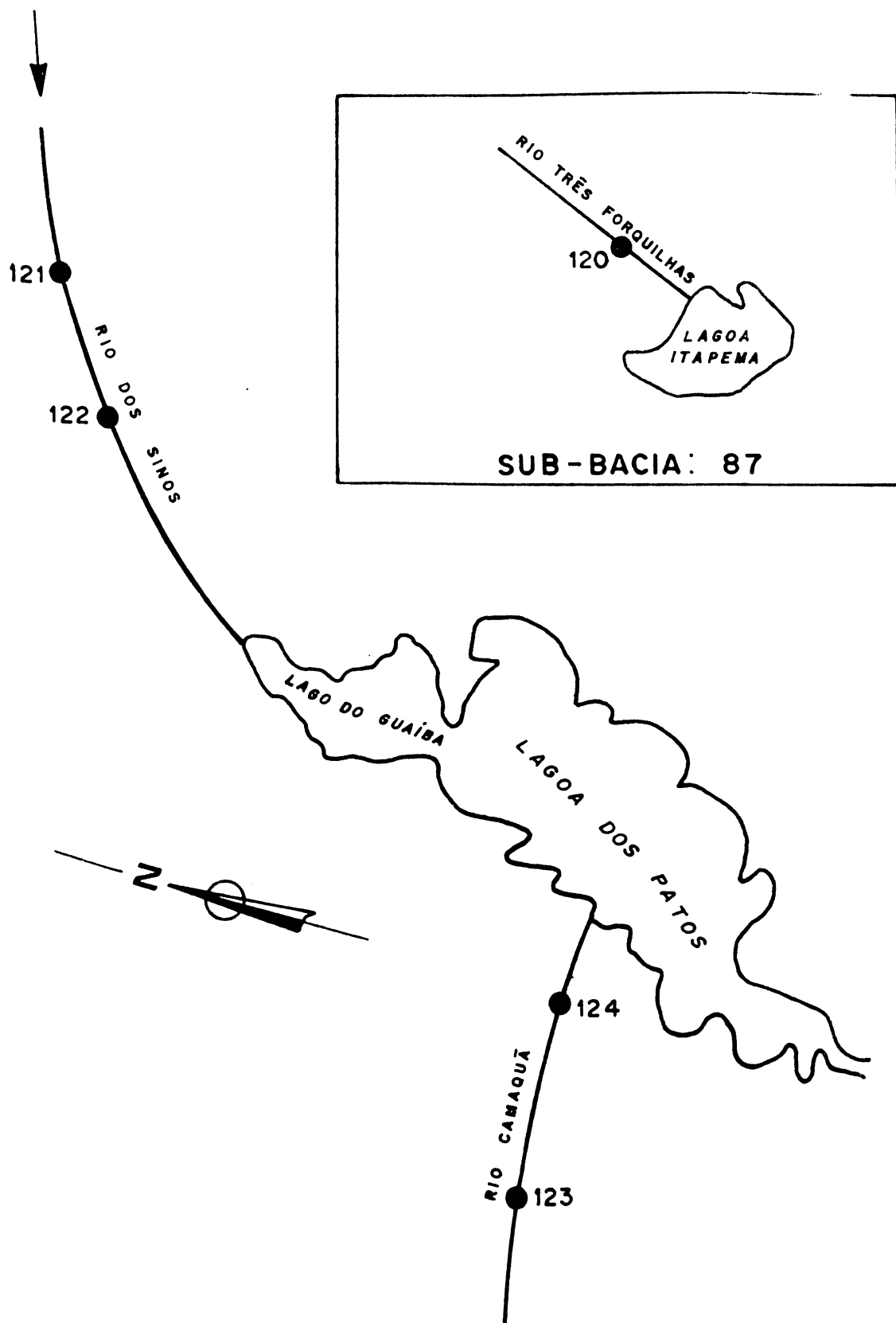


Figura A10

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 87

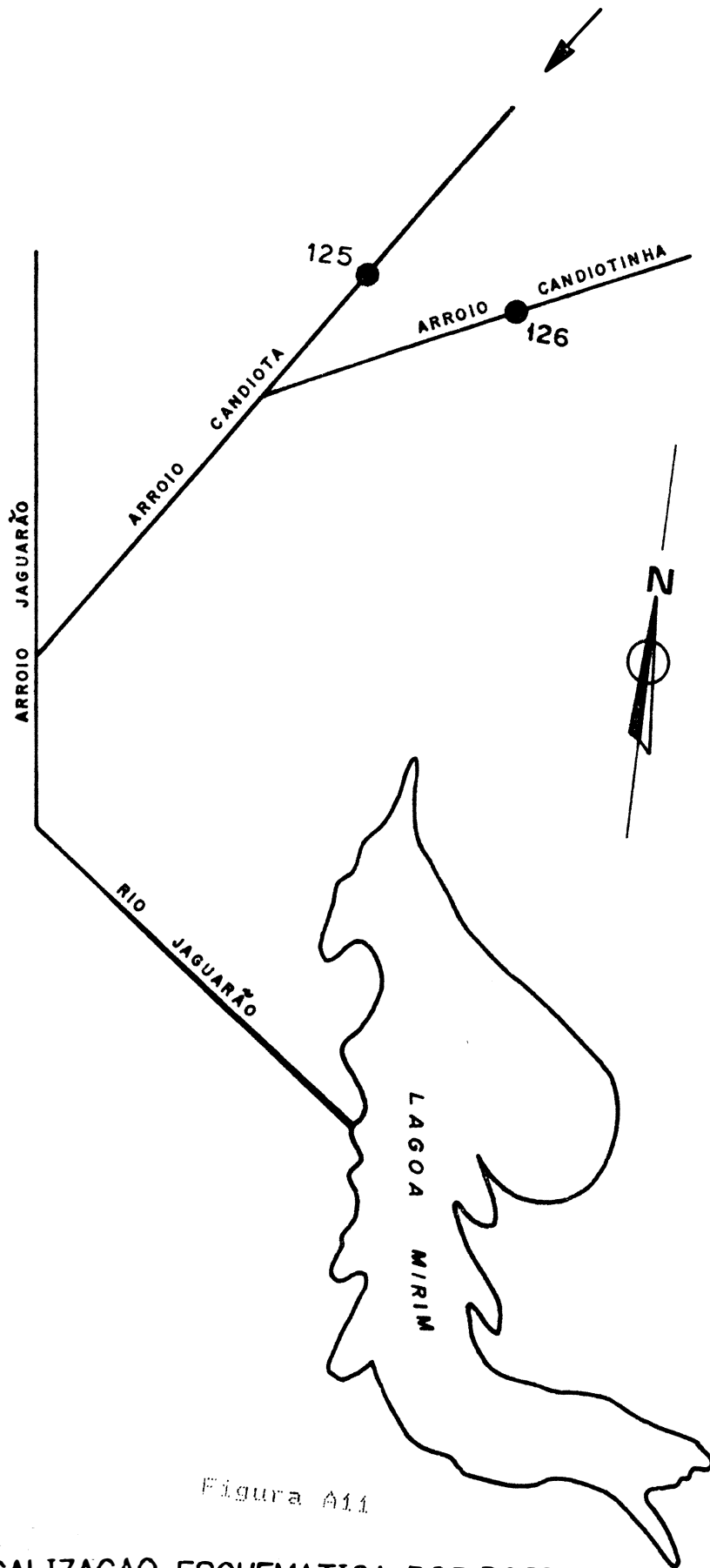


Figura A11

LOCALIZACAO ESQUEMATICA DOS POSTOS

SUB - BACIA : 88

Figura A12 - Vazão Média em função da Área - Sub-bacia 70

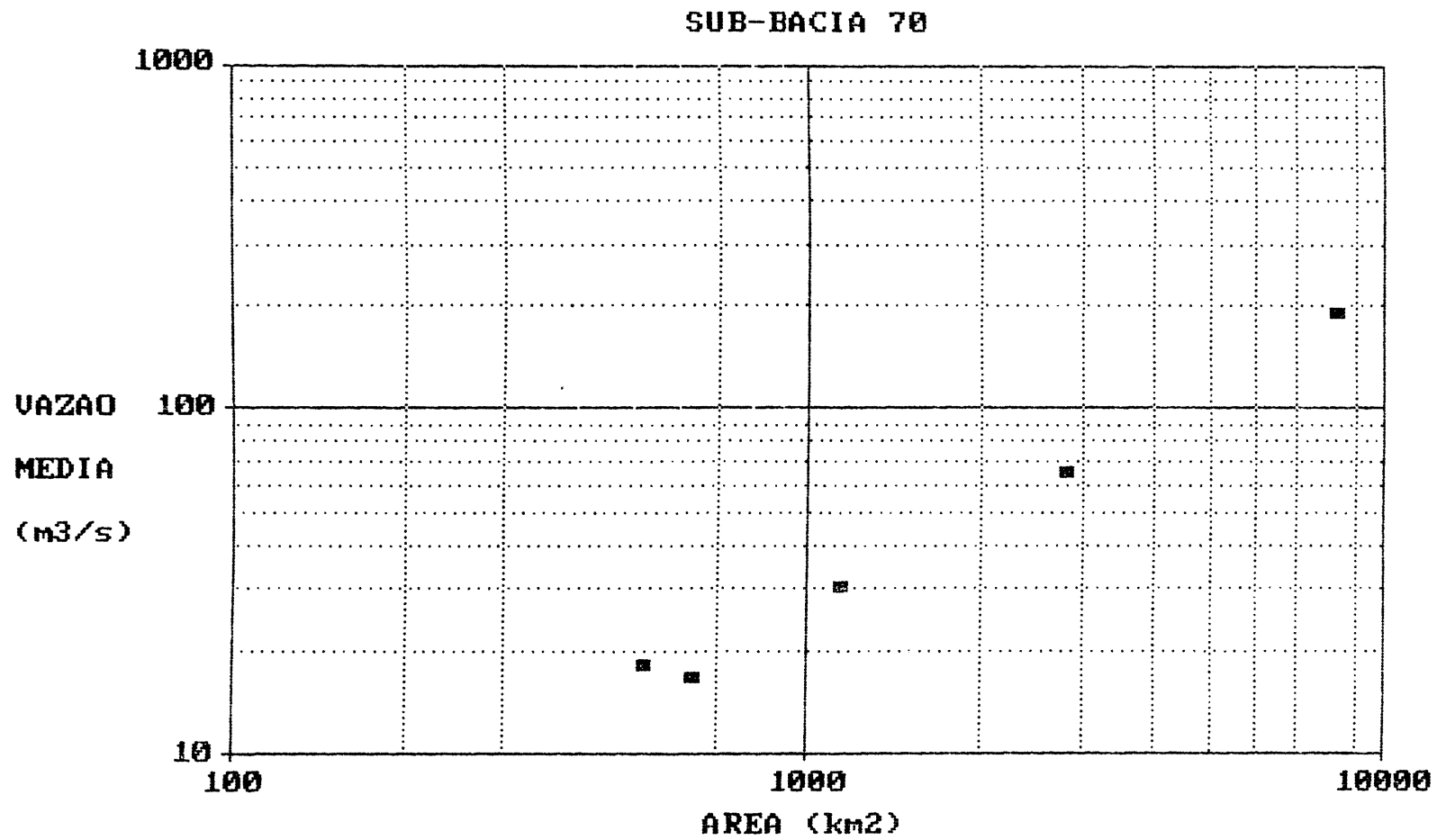


Figura A13 - Vazão Média em função da Área - Sub-bacia 71

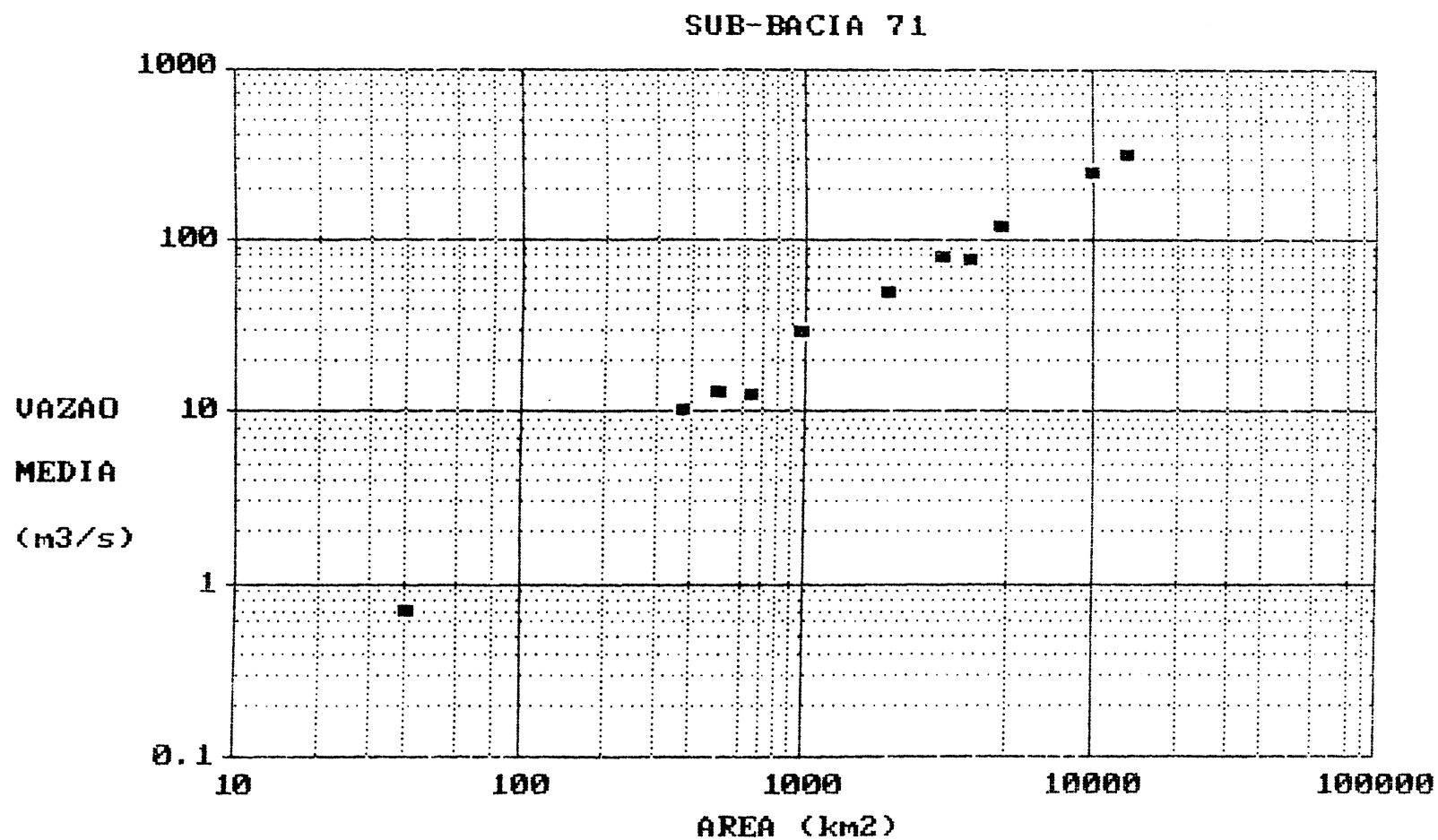


Figura A14 - Vazão Média em função da Área - Sub-bacia 72

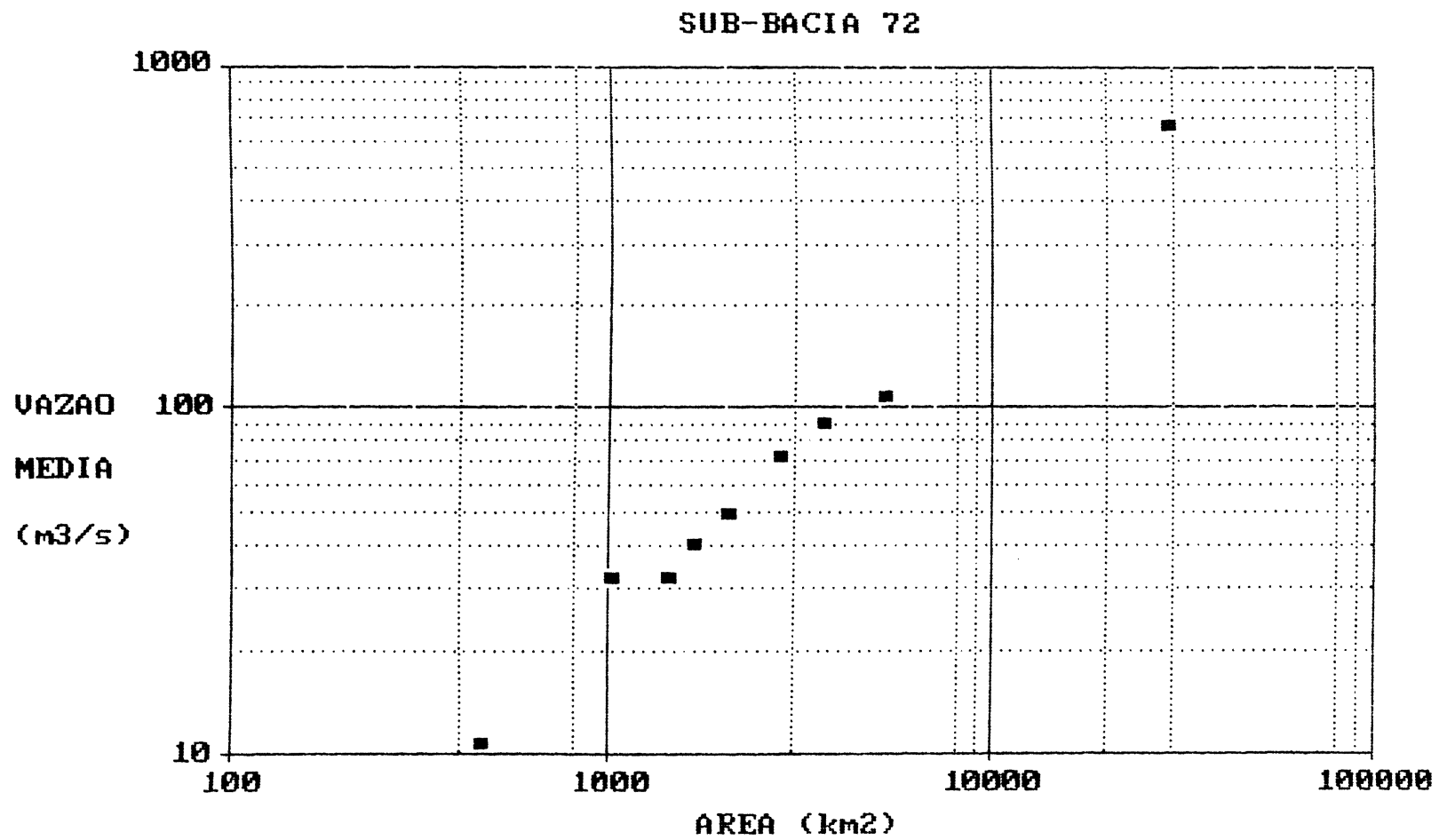


Figura A15 - Vazão Média em função da Área - Sub-bacia 73

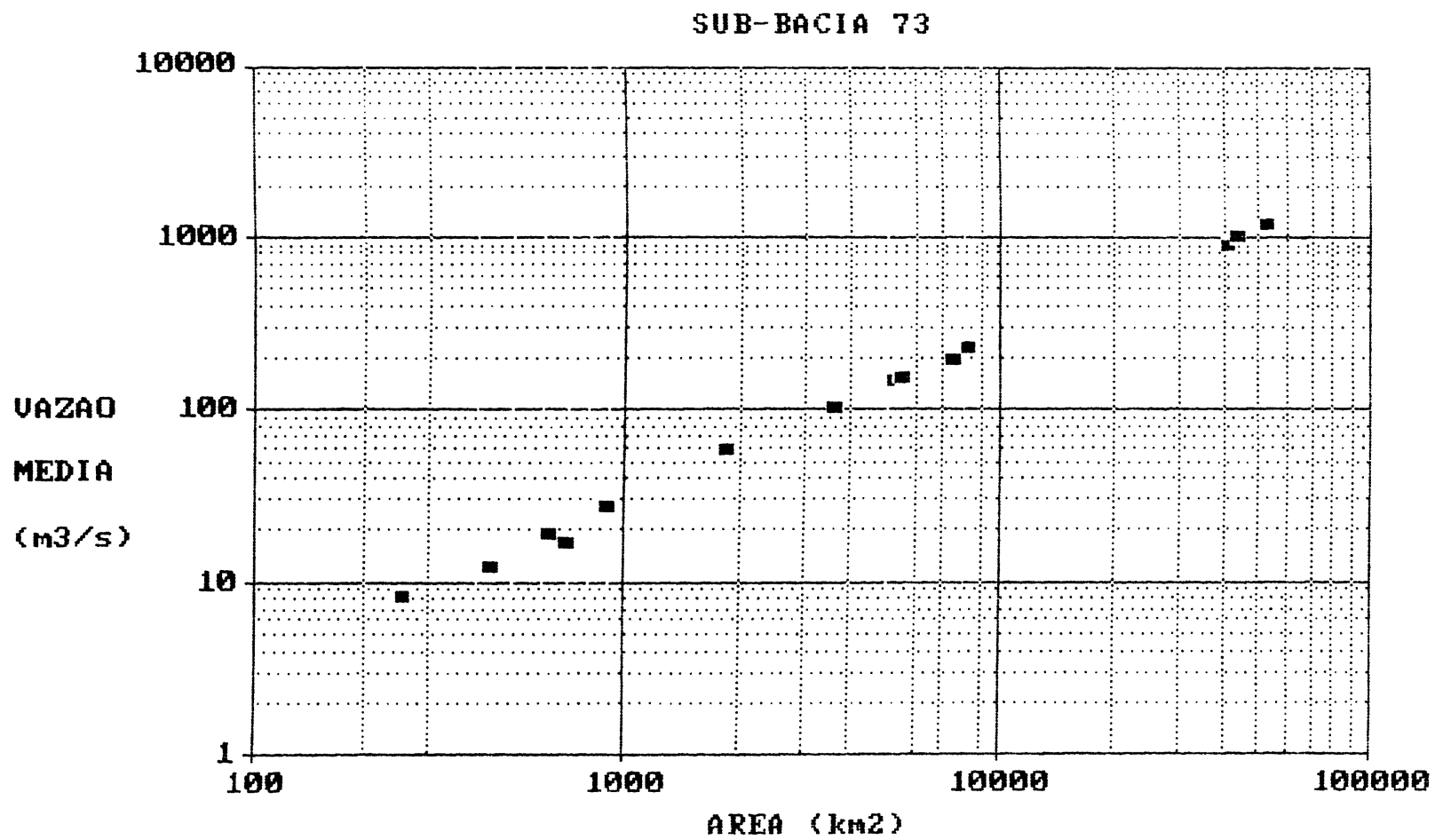


Figura A16 - Vazão Média em função da Área - Sub-bacia 74

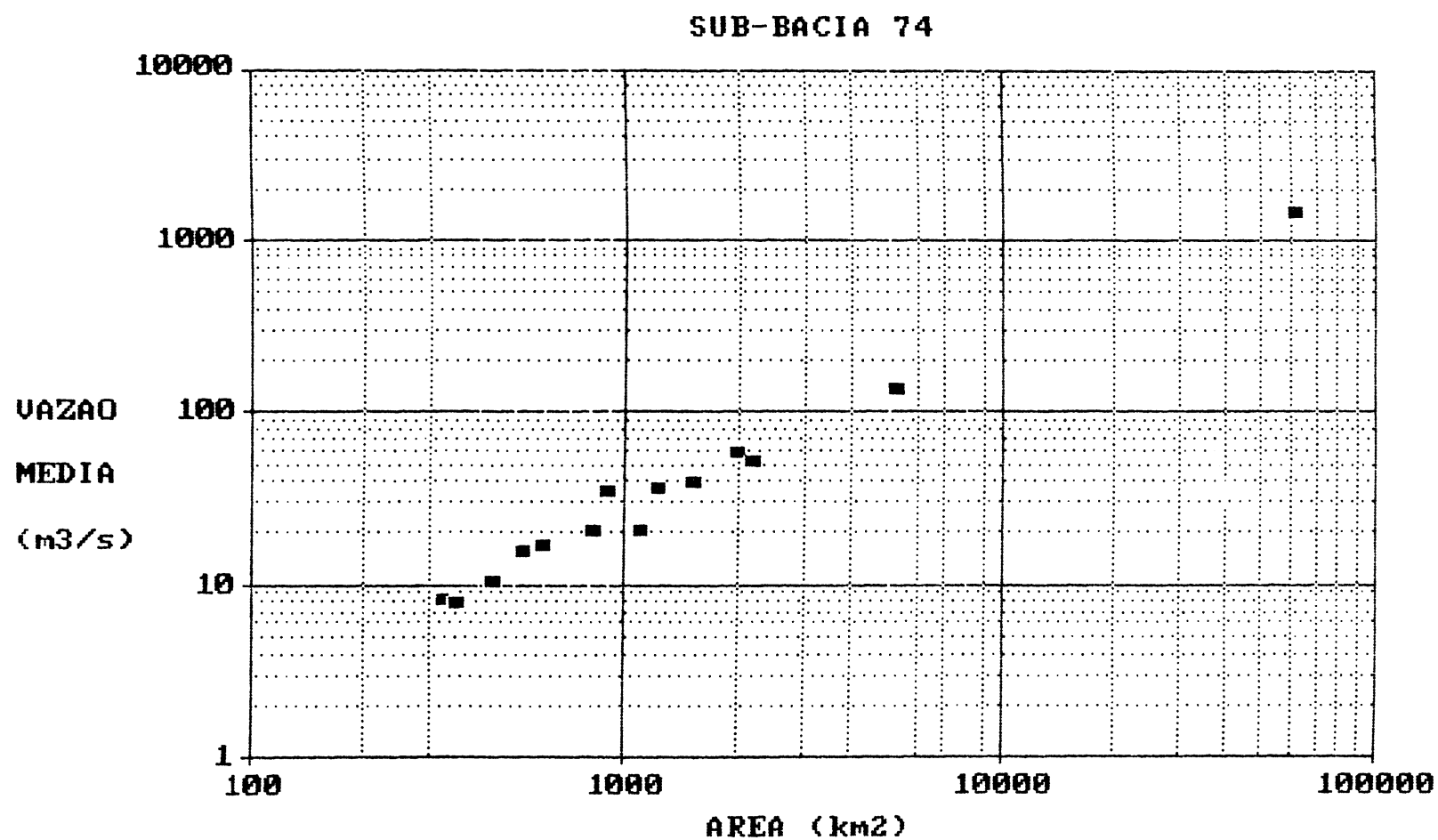


Figura A17 - Vazão Média em função da Área - Sub-bacia 75

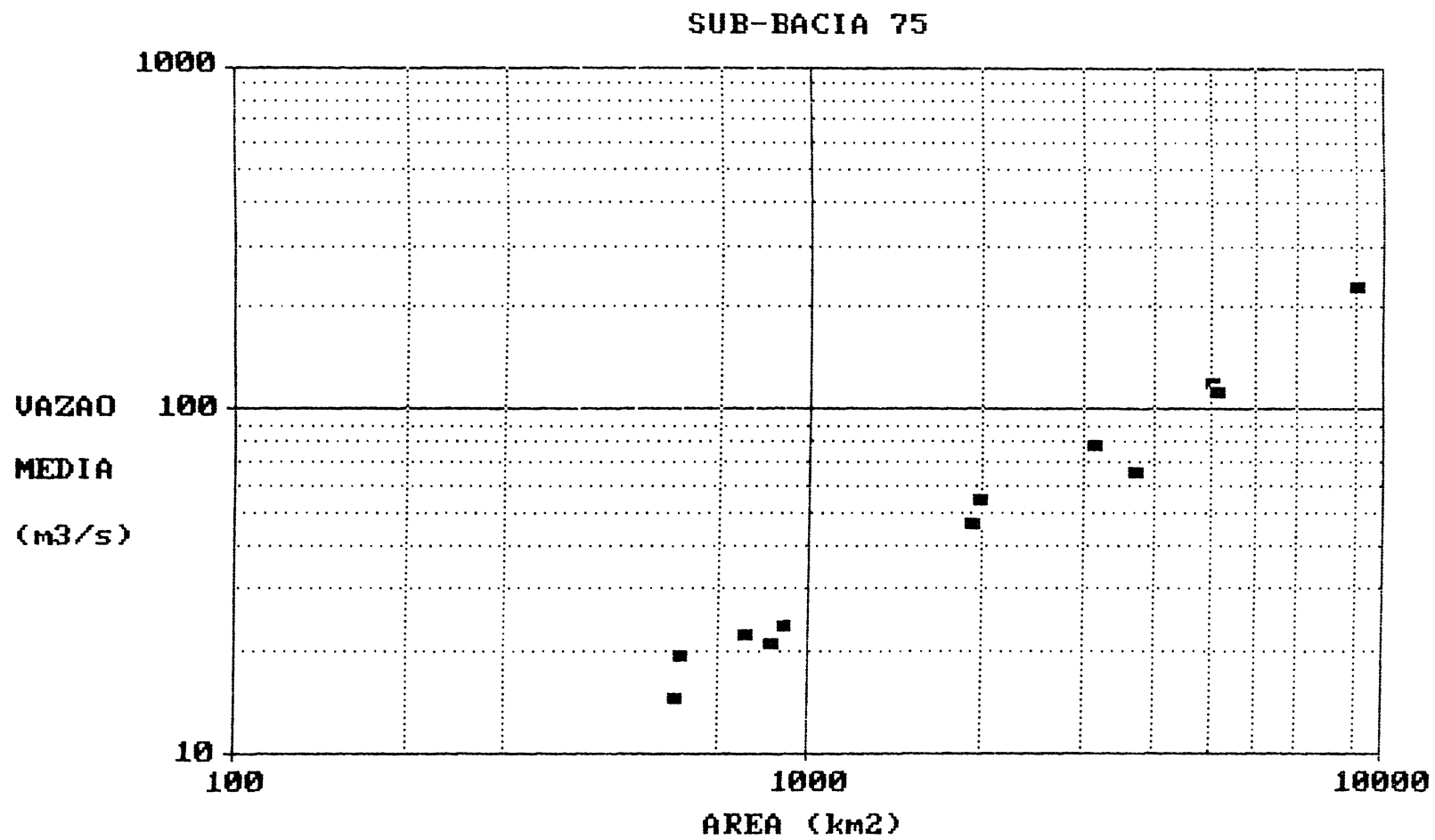


Figura A18 - Vazão Média em função da Área - Sub-bacia 76

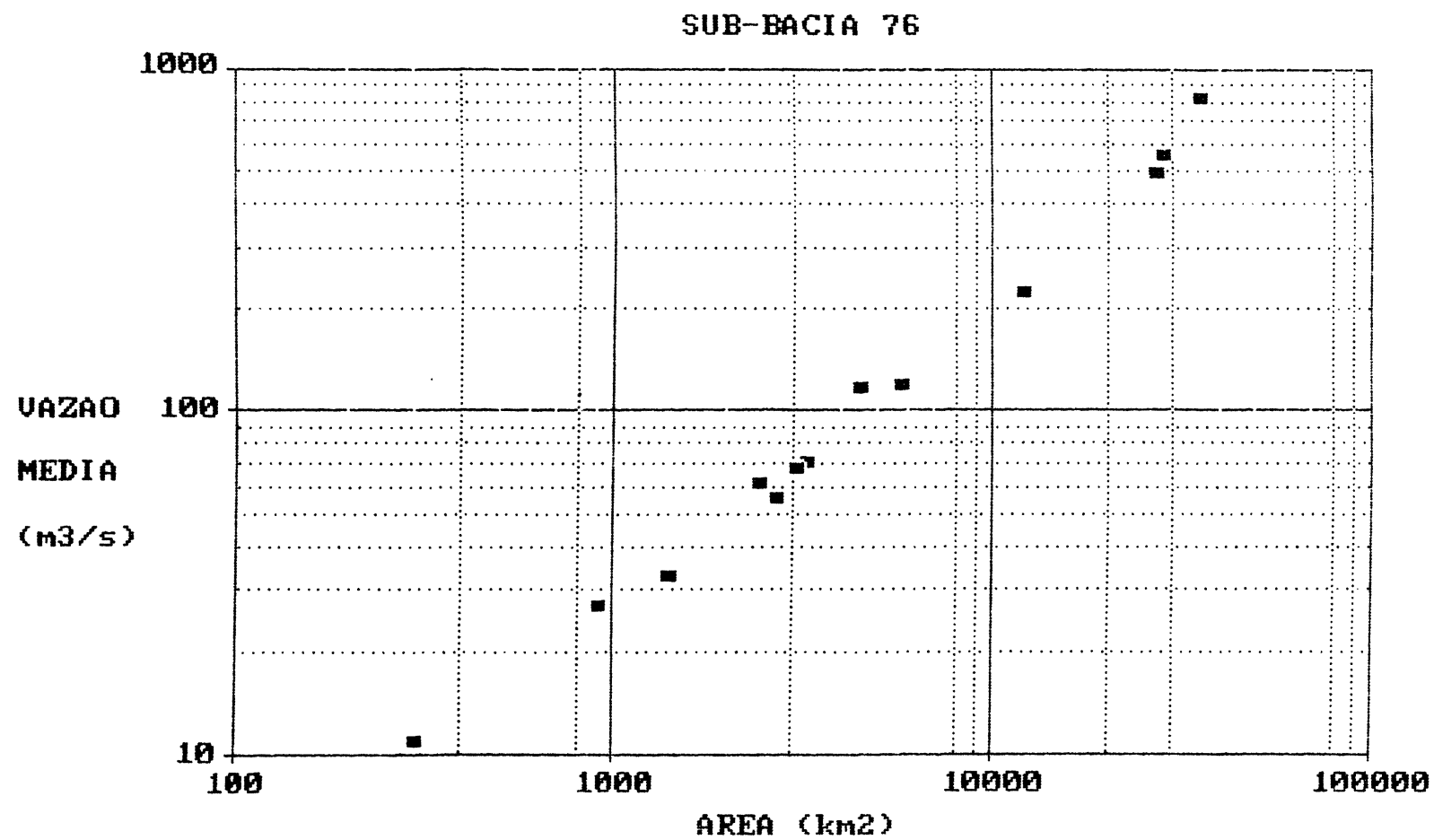
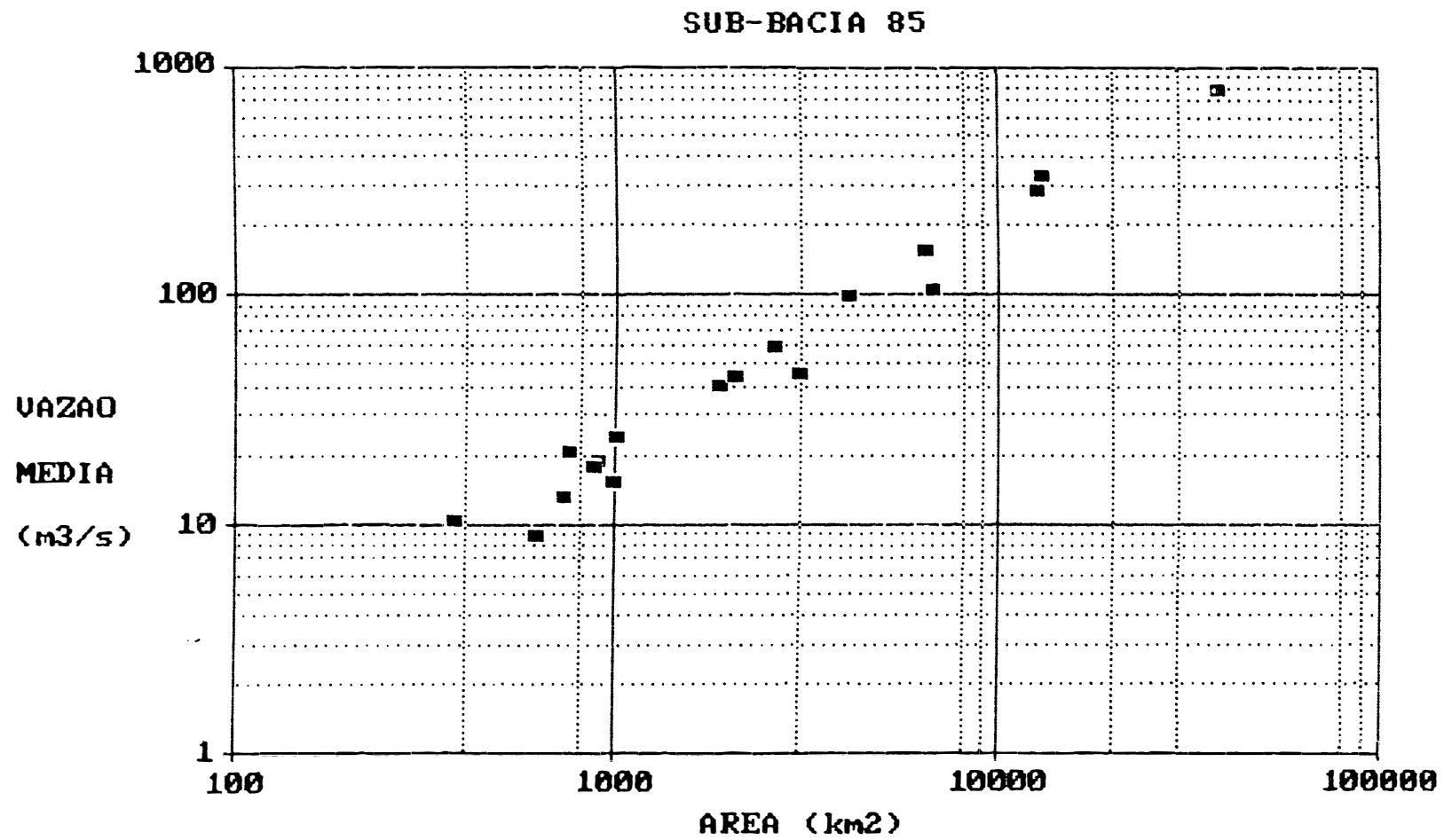


Figura A19 - Vazão Média em função da Área - Sub-bacia 85



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Figura A20 - Vazão Média em função da Área - Sub-bacia 86

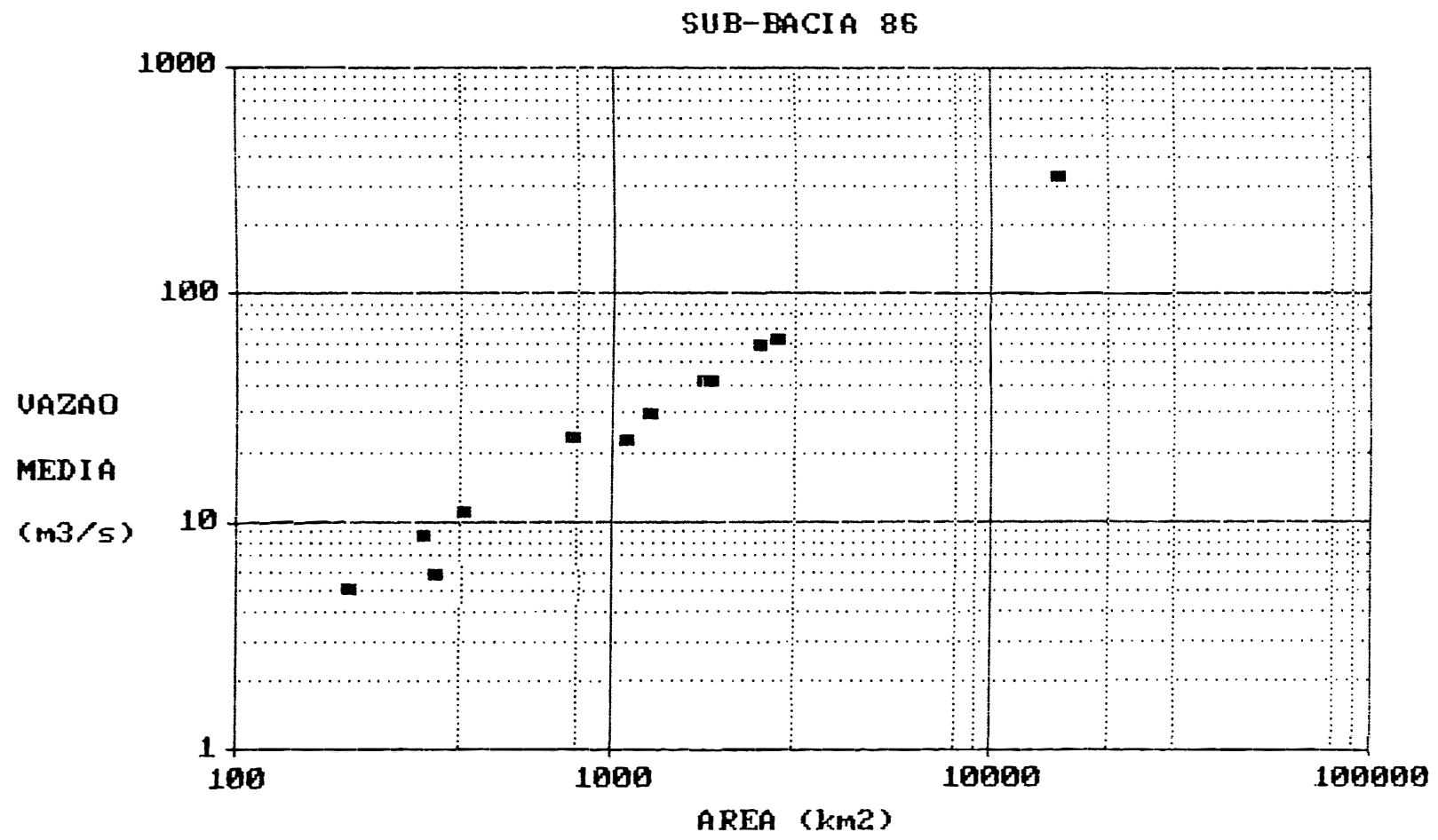


Figura A21 Vazão Máxima em função da Área - Sub-bacia 70

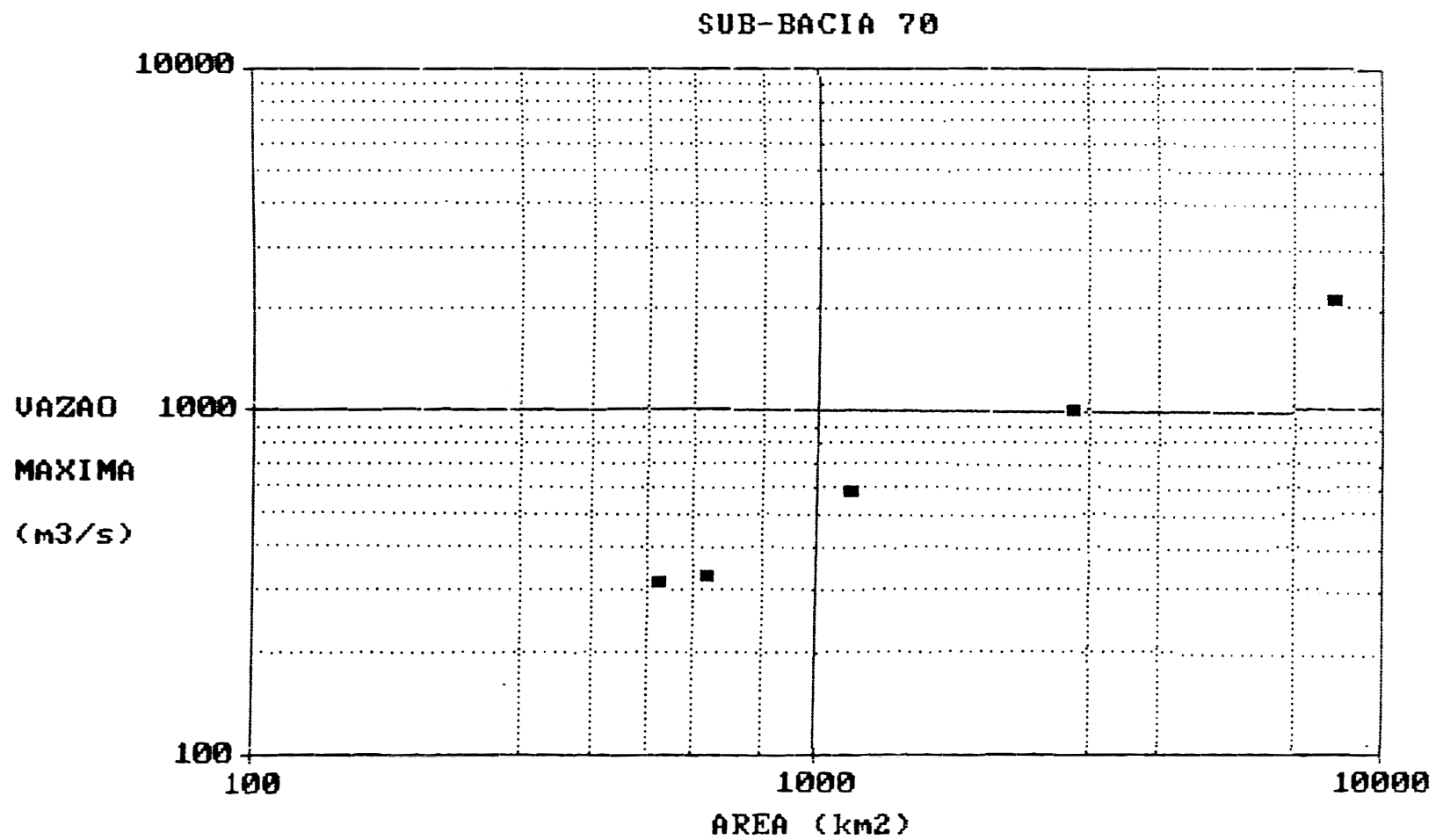


Figura A22 - Vazão Máxima em função da Área - Sub-bacia 71

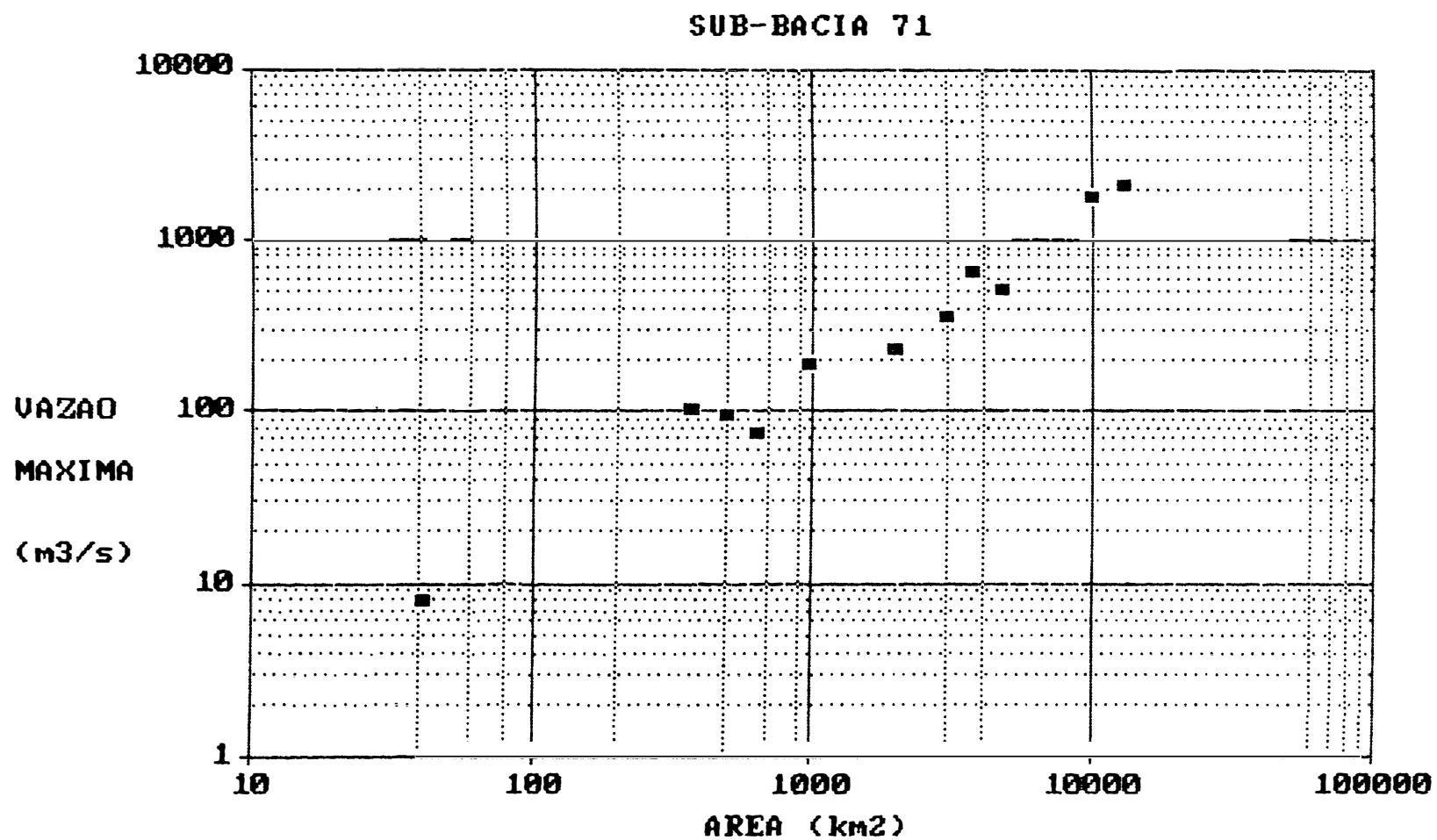


Figura A23 - Vazão Máxima em função da Área - Sub-bacia 72

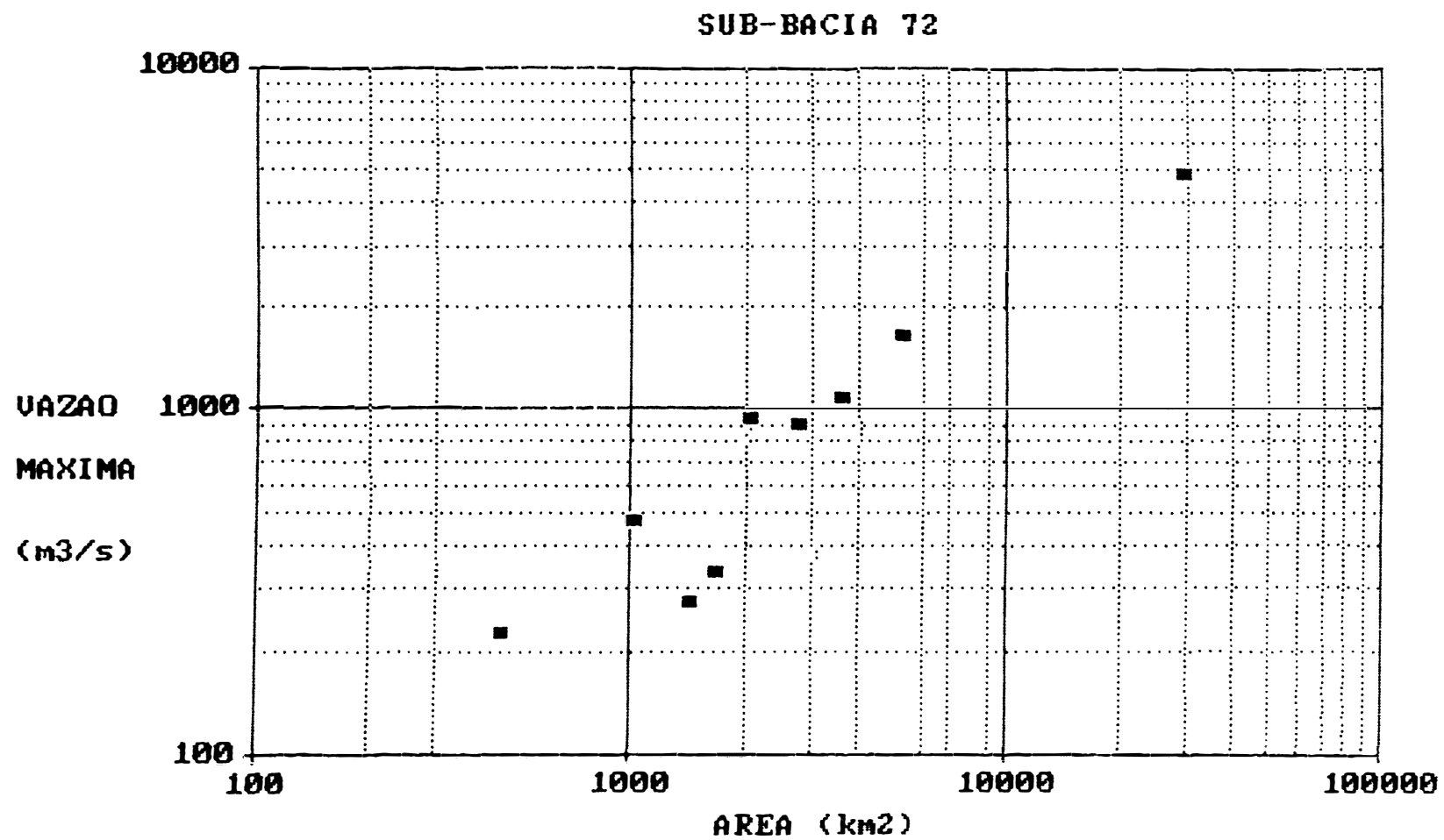


Figura A24 - Vazão Máxima em função da Área - Sub-bacia 73

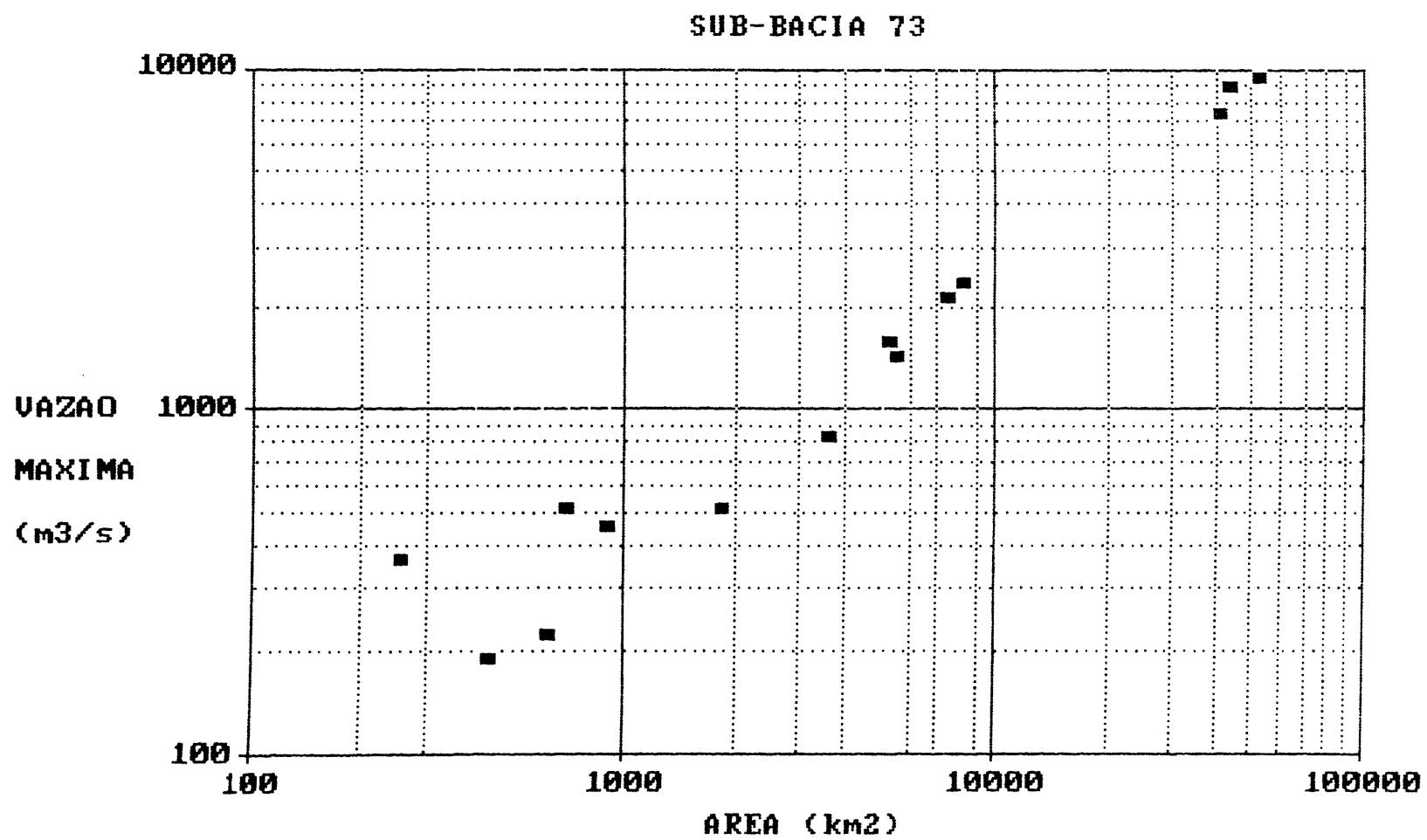


Figura A25 - Vazão Máxima em função da Área - Sub-bacia 74

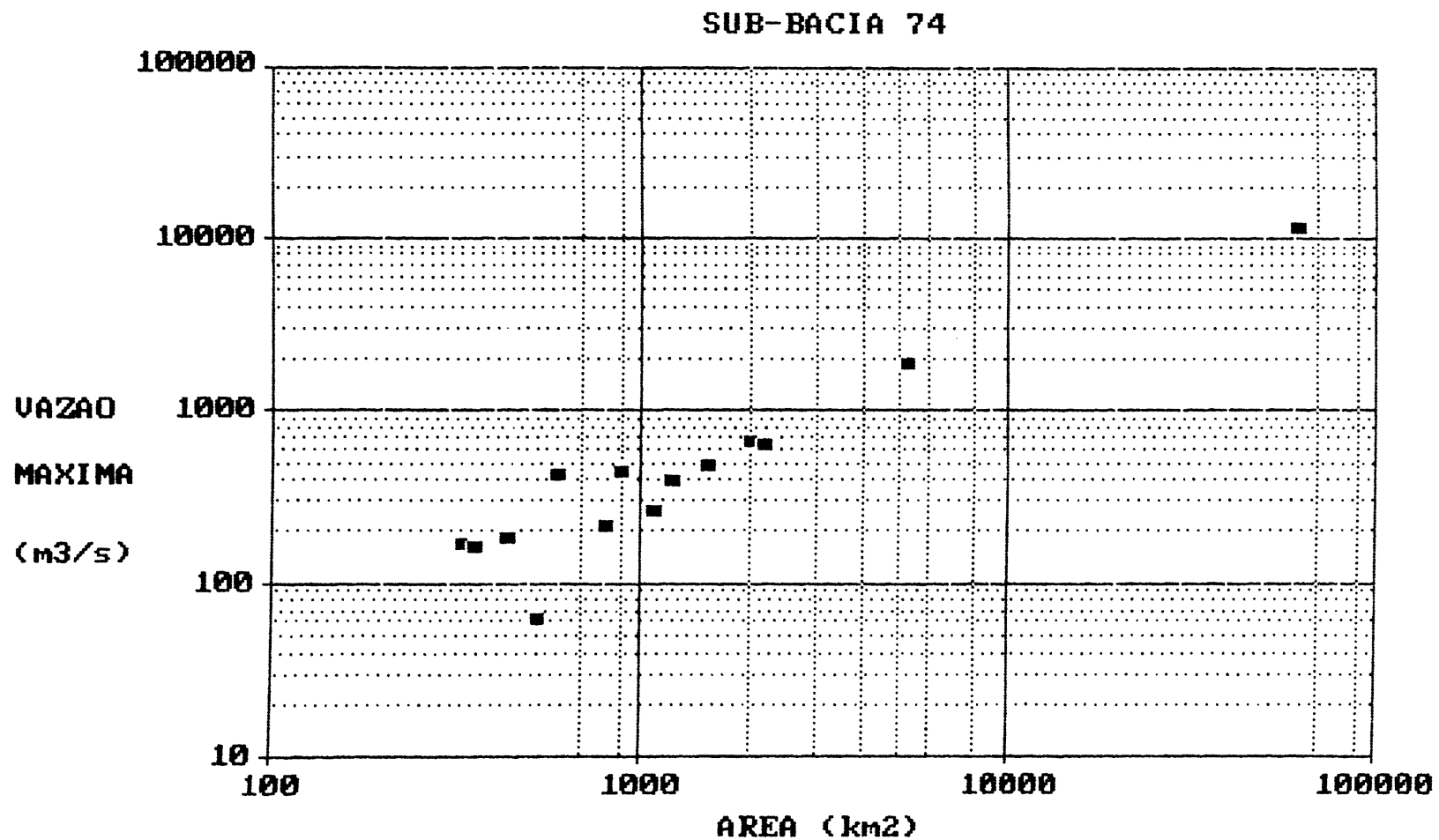


Figura A26 - Vazão Máxima em função da Área - Sub-bacia 75

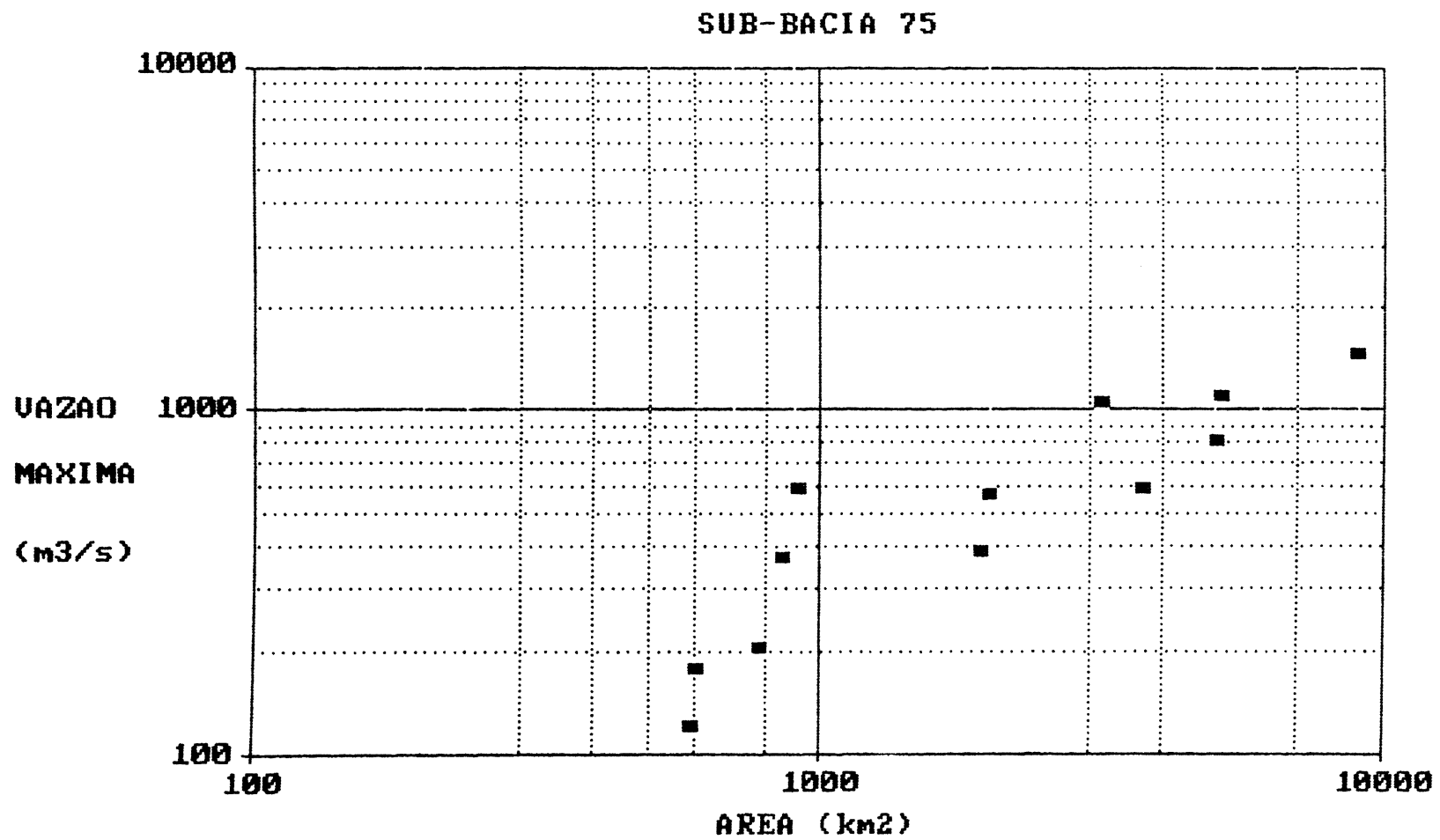


Figura A27 - Vazão Máxima em função da Área - Sub-bacia 76

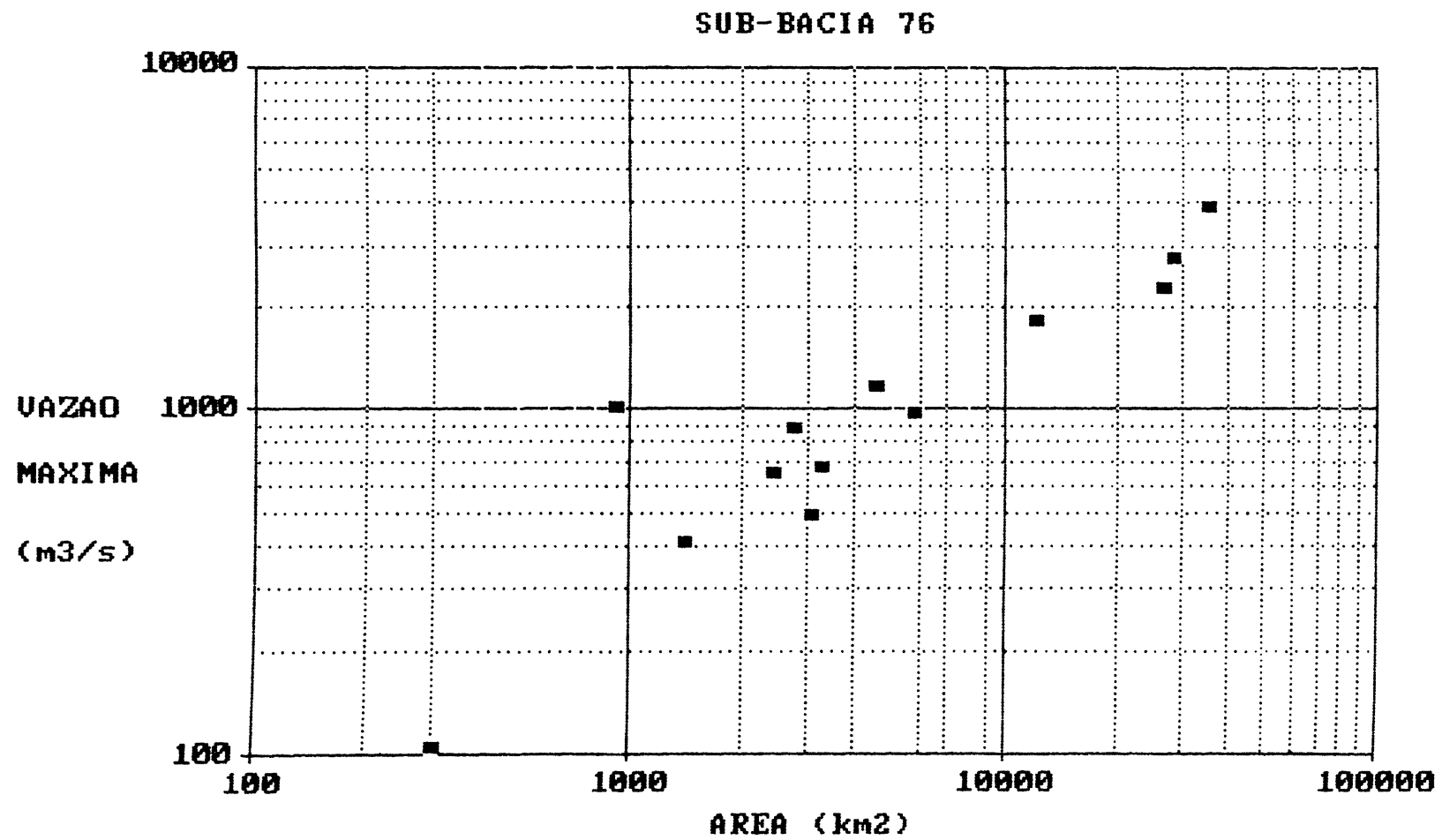


Figura A28 - Vazão Máxima em função da Área - Sub-bacia 85

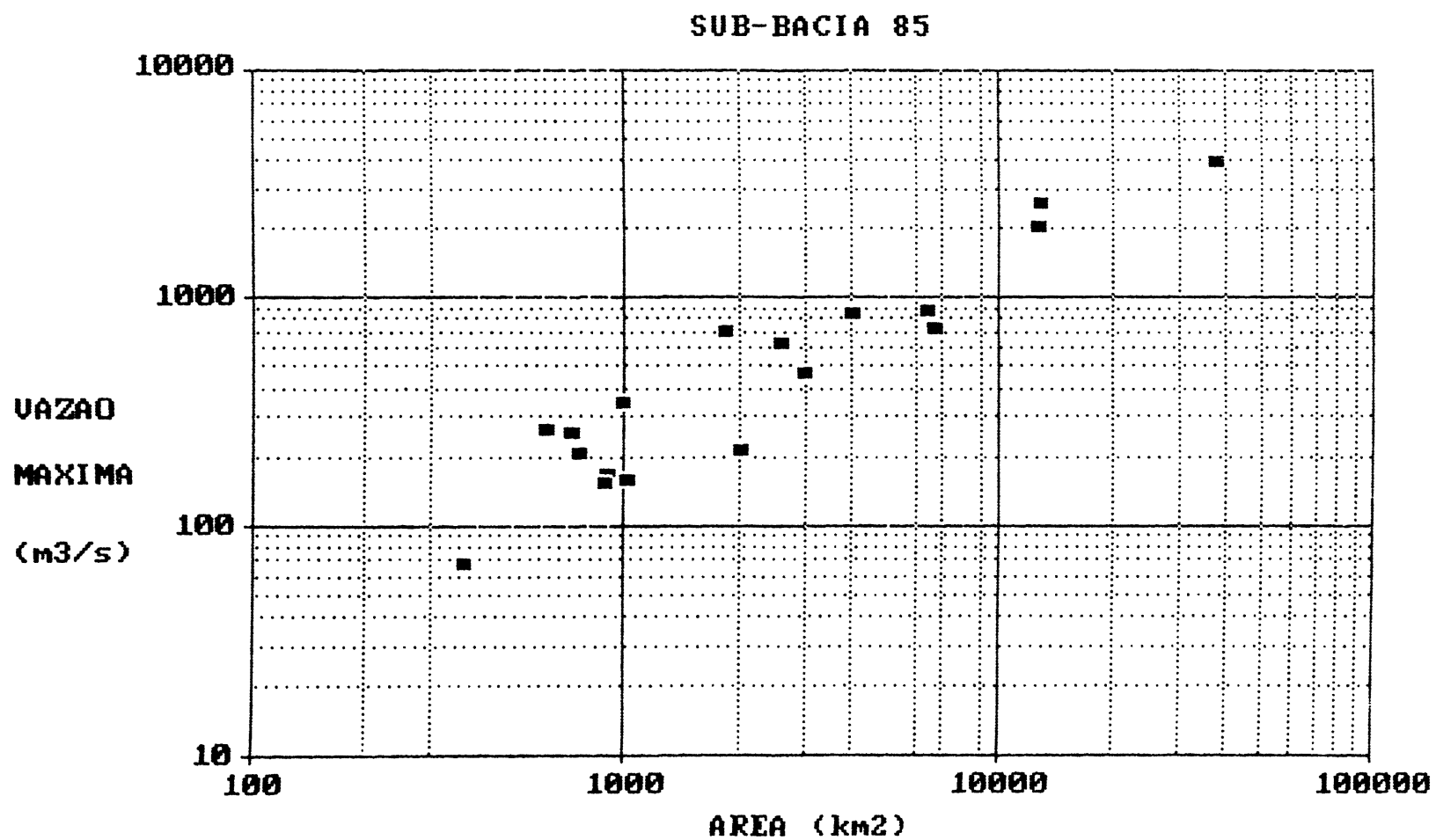


Figura A29 - Vazão Máxima em função da Área - Sub-bacia 86

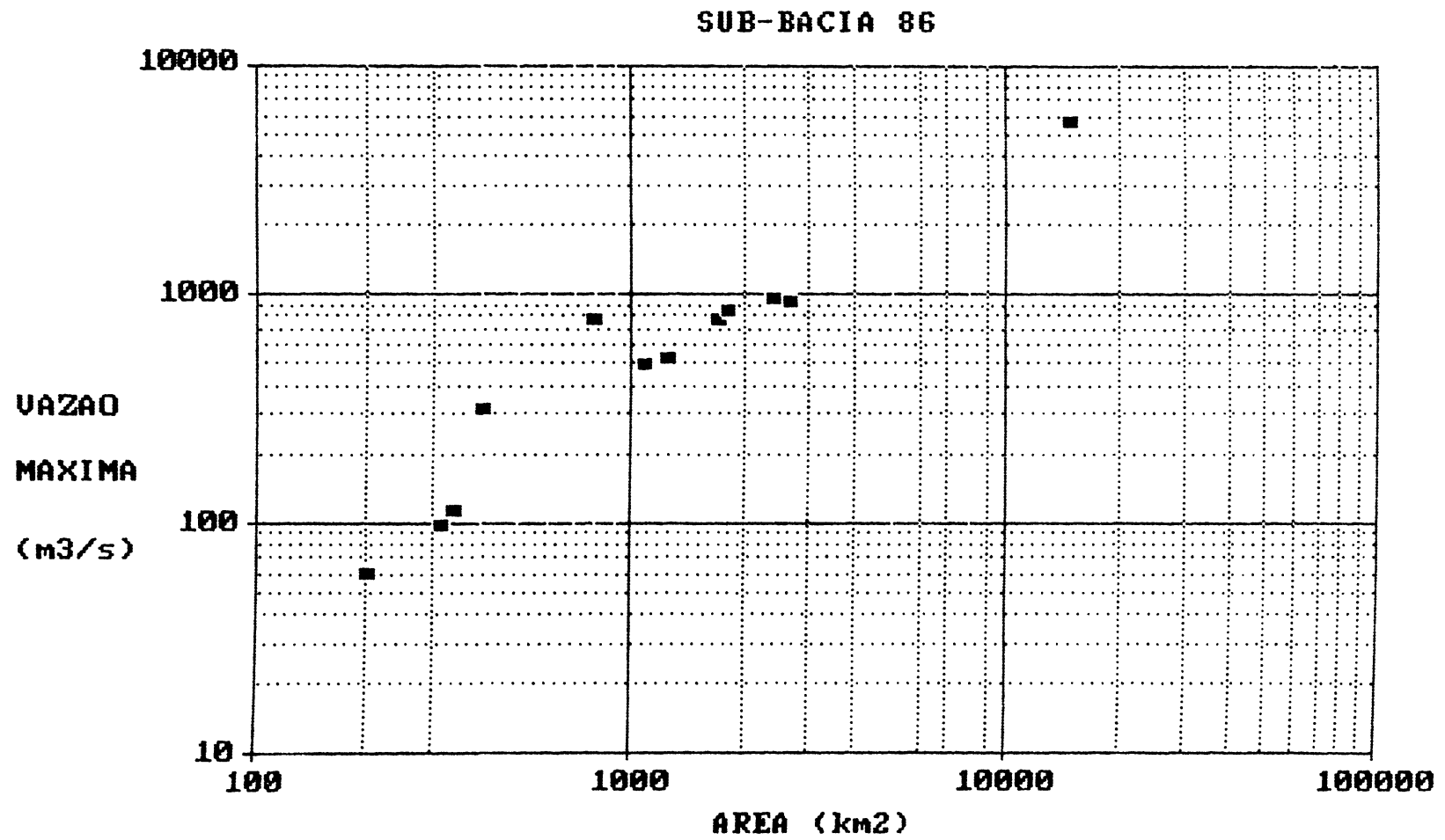


Figura A30 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 70

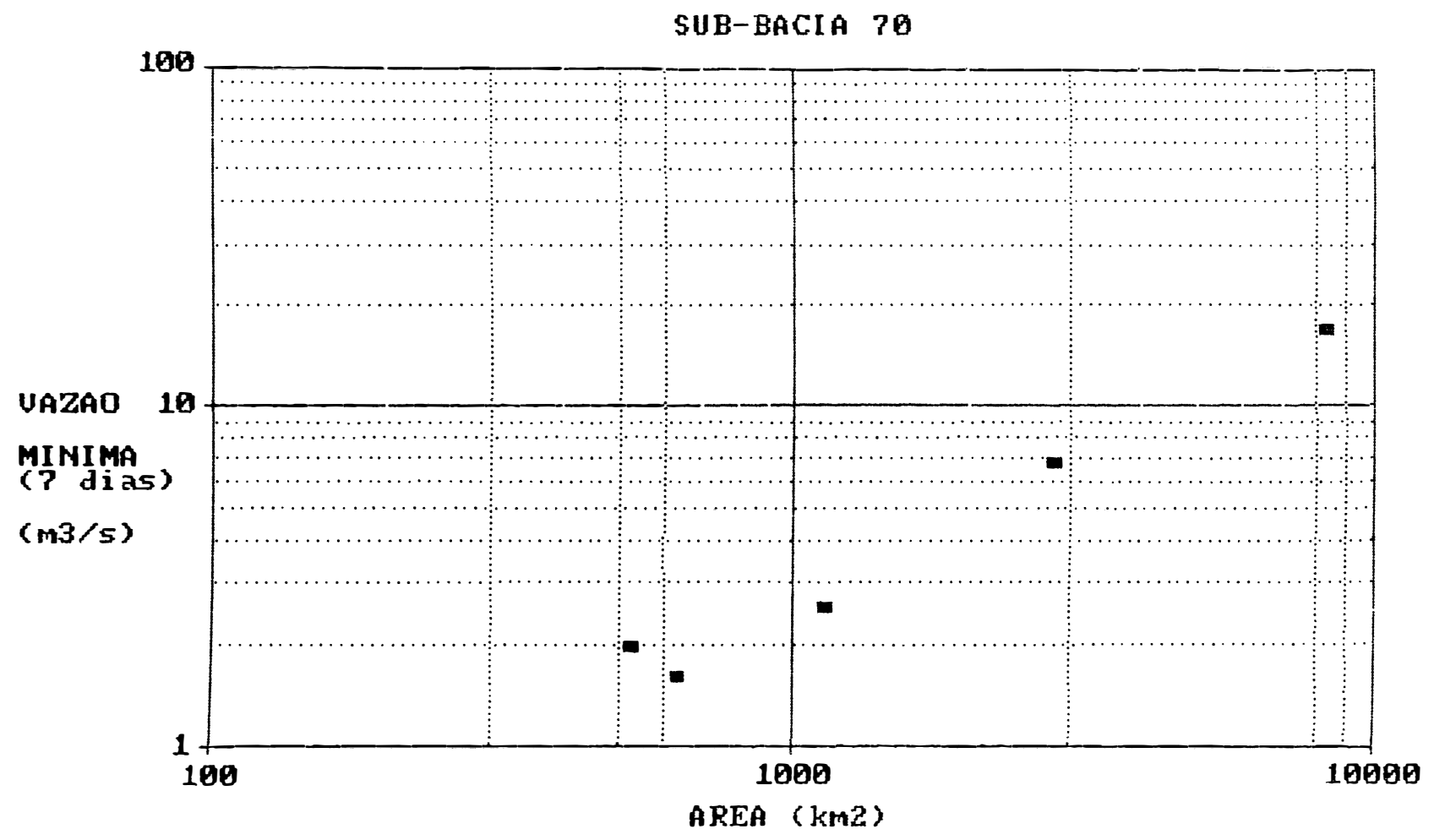


Figura A31 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 71

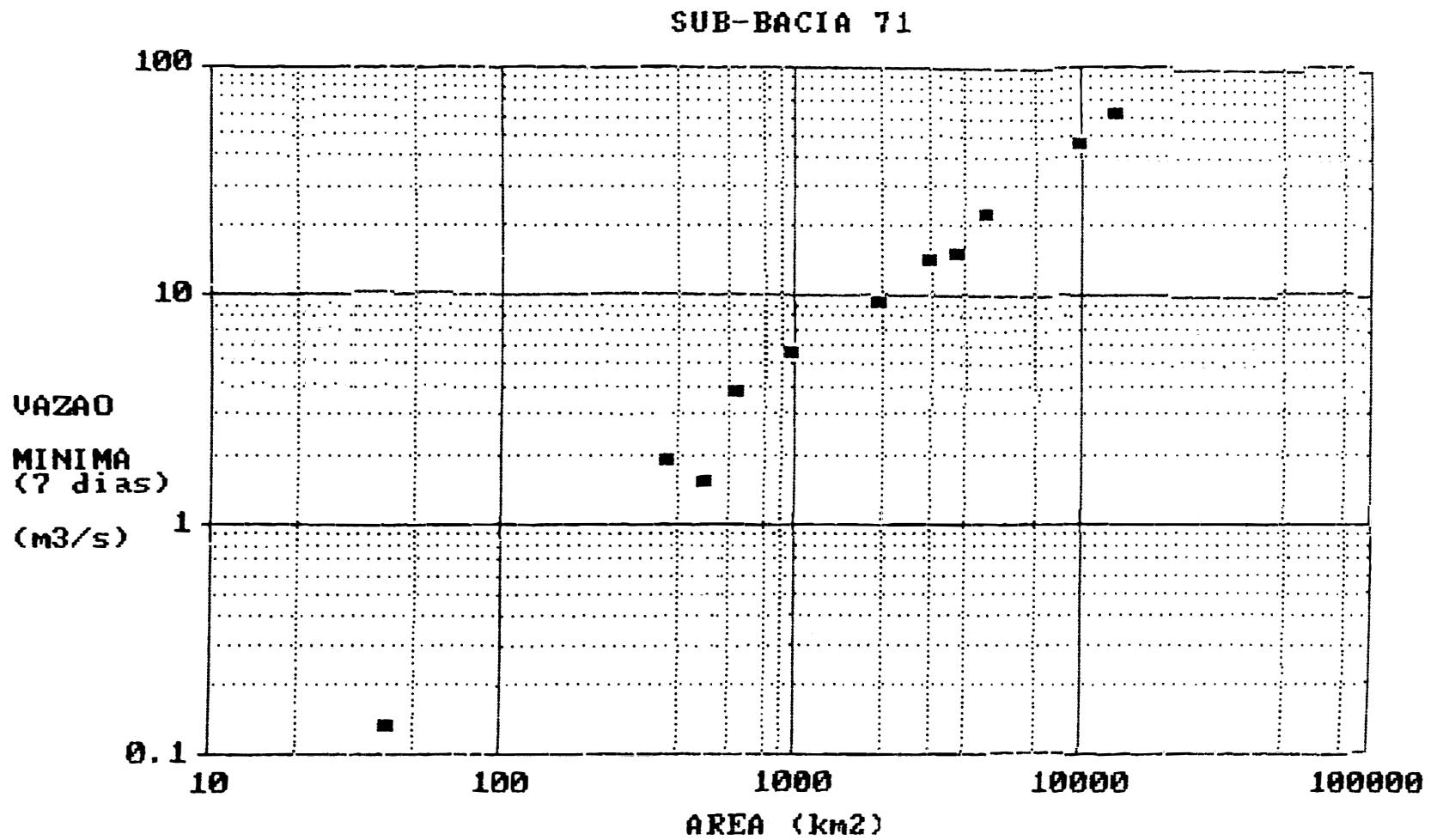


Figura A32 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 72

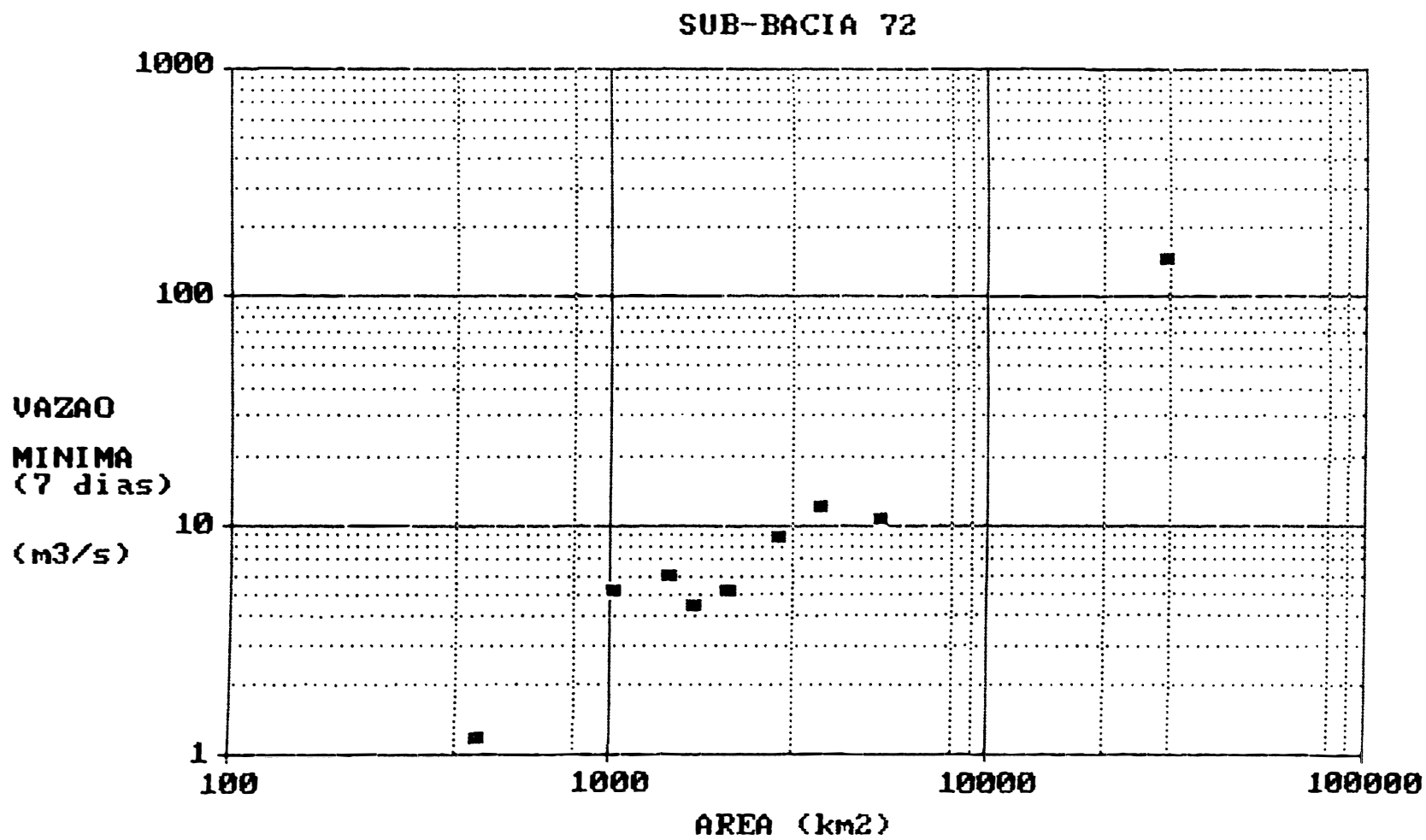


Figura A33 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 73

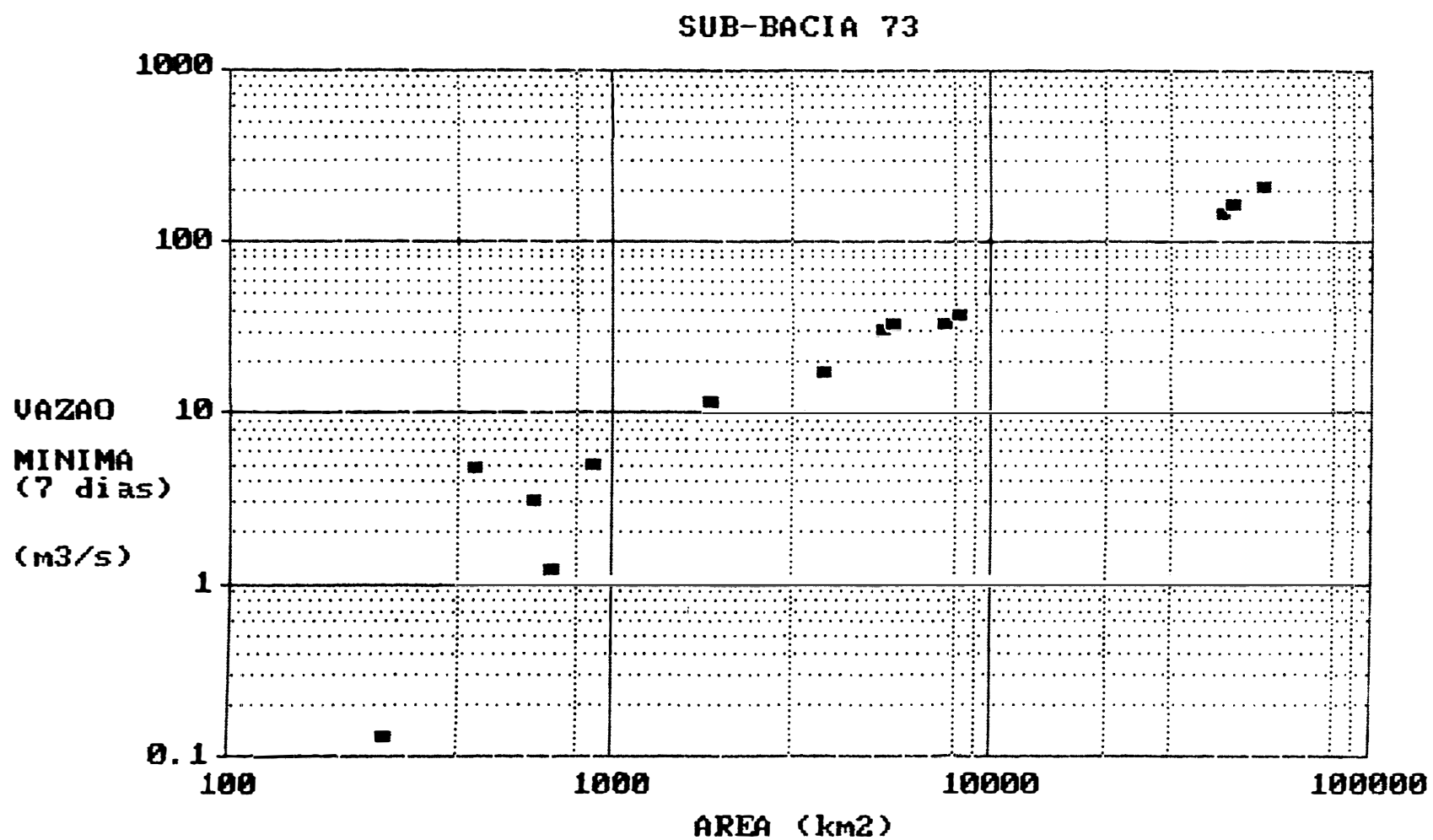


Figura A34 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 74

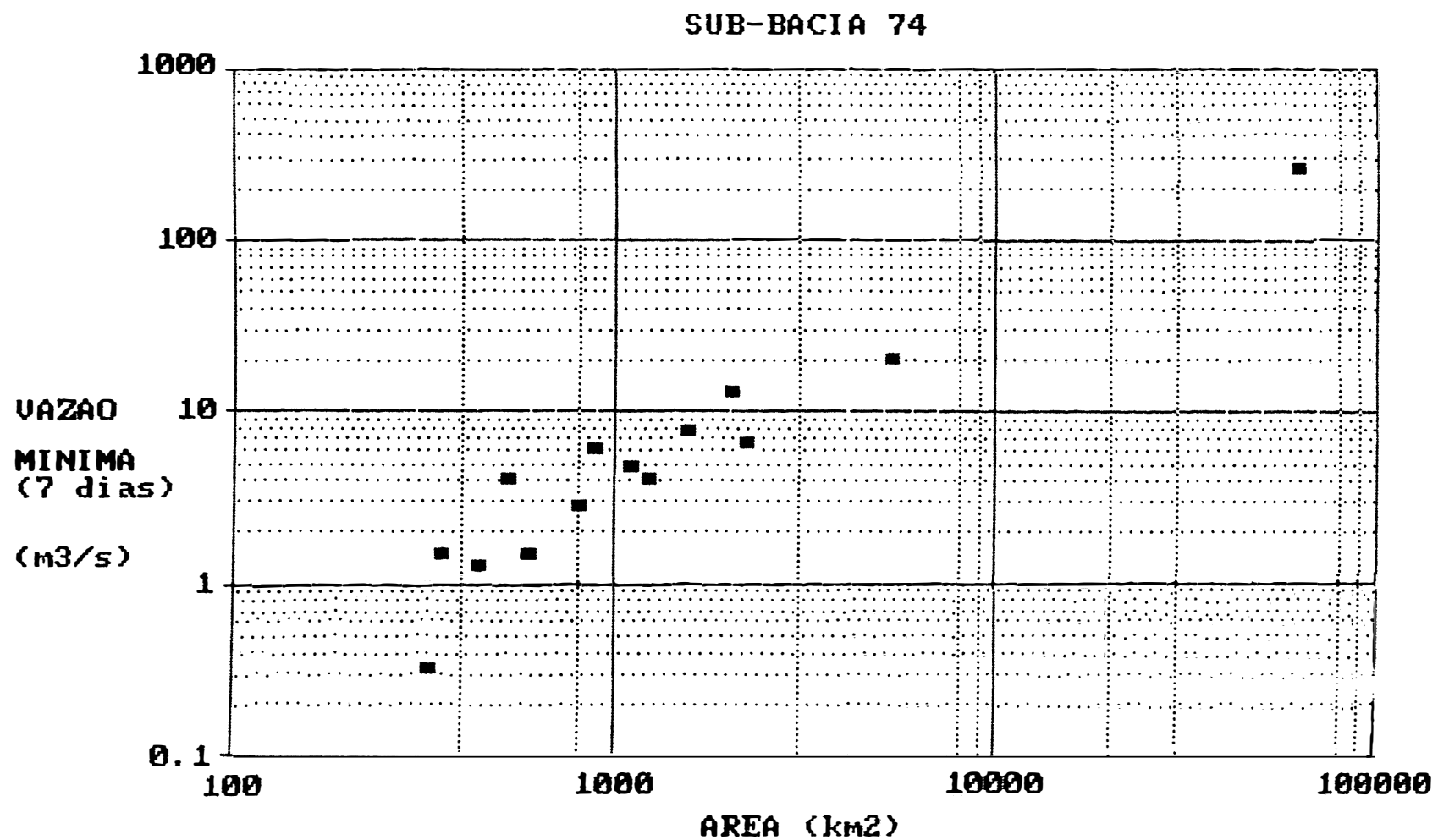


Figura A35 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 75

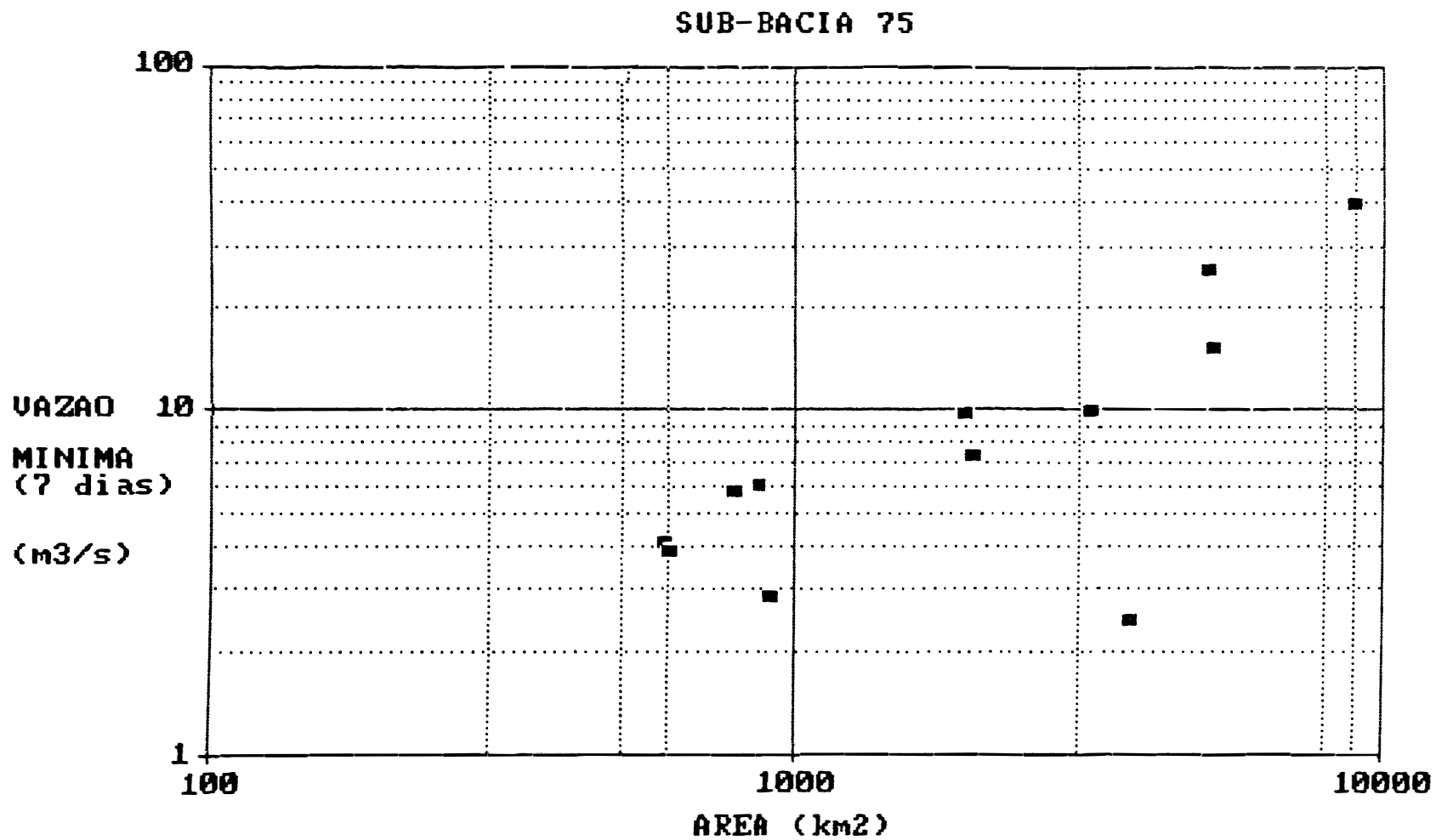


Figura A36 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 76

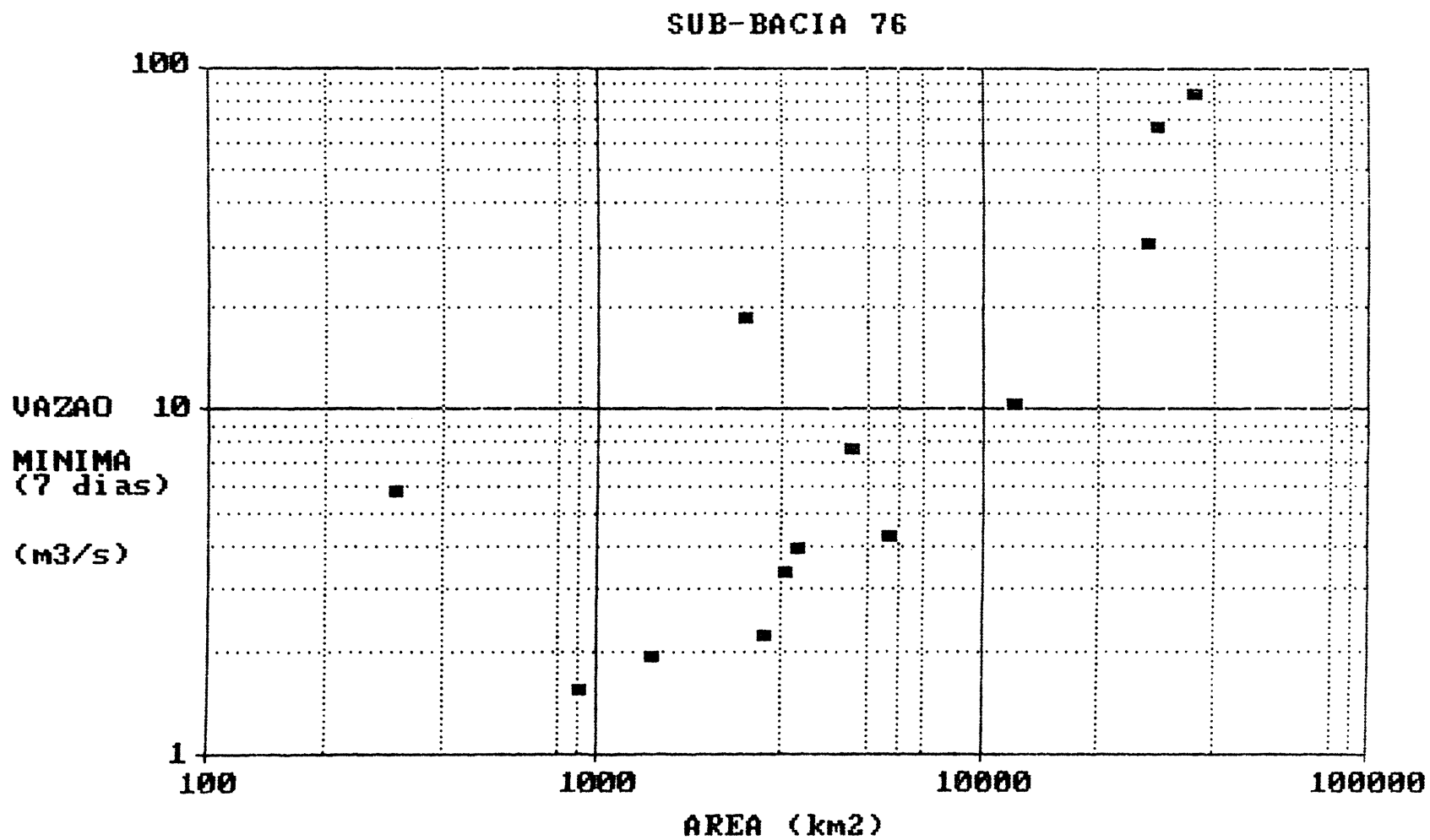


Figura A37 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 85

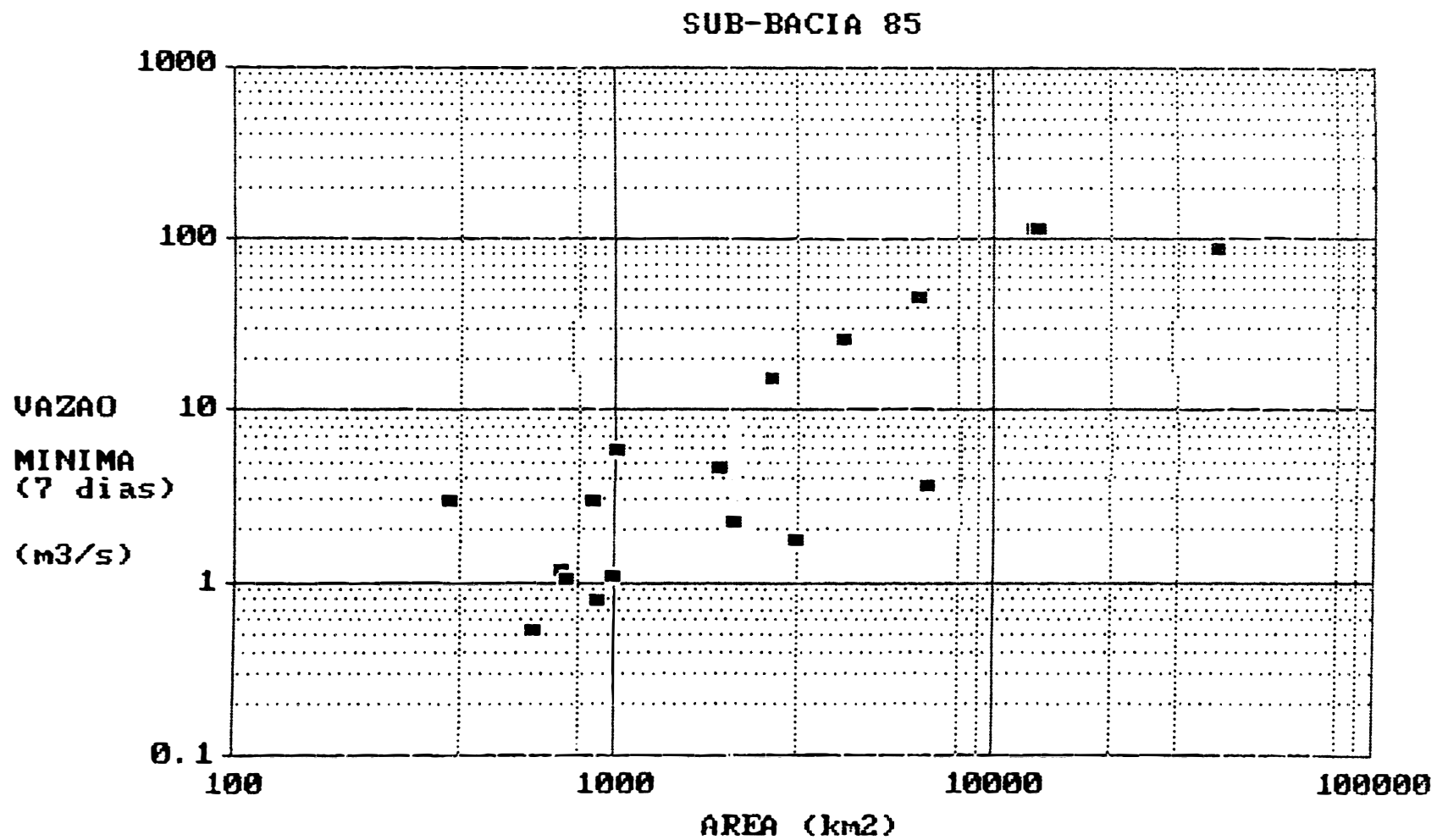
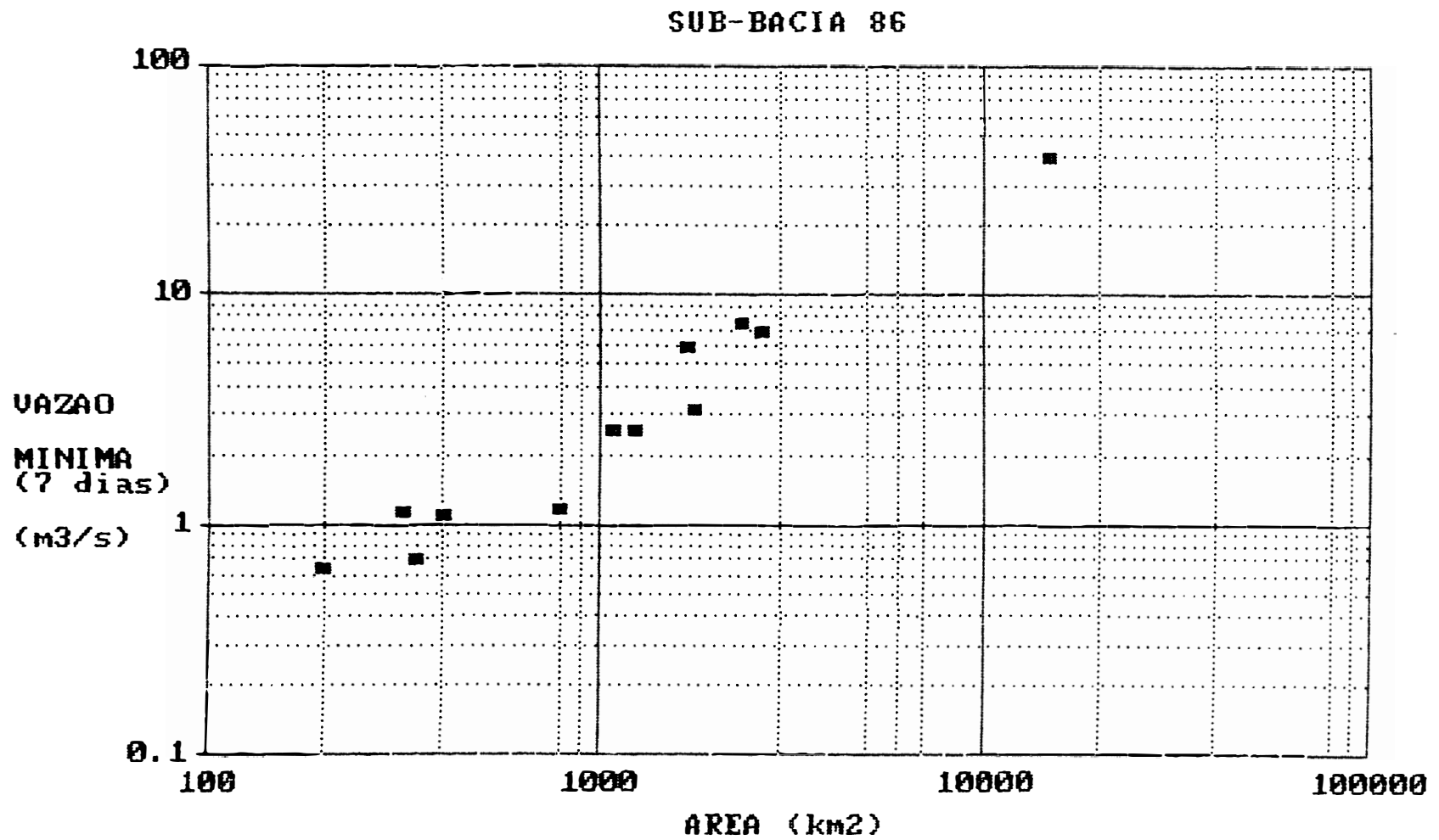


Figura A38 - Vazão Mínima de 7 dias em função da Área - Sub-bacia 86



ANEXO B - Vazões médias anuais

ANEXO B1 - Valores selecionados de vazões médias mensais

VALORES SELECCIONADOS DE VAORES MÍDIAS ANUAIS (M3/S)

ANO	POSTO 01 M3/S	POSTO 02 M3/S	POSTO 03 M3/S	POSTO 04 M3/S	POSTO 05 M3/S	POSTO 06 M3/S	POSTO 07 M3/S	POSTO 08 M3/S	POSTO 09 M3/S	POSTO 10 M3/S	POSTO 11 M3/S	POSTO 12 M3/S
1940												
1941				3.64		227.89						
1942				1.86		126.83						
1943			17.91			146.65			41.55			
1944			7.26			59.63			16.41			
1945			8.01		4.77	59.53			18.05			
1946			22.76		12.12	173.69			44.57			
1947			18.61		6.97	147.74			42.49			
1948			21.46		9.91	226.96			50.01			
1949					4.80	160.05			39.05			
1950					13.06	177.16			35.85			
1951			15.99		8.73	145.42			32.88			
1952			20.63		9.88	157.21			35.71	47.85		
1953			19.66		10.76	151.51			32.99	40.01		
1954			40.01		26.01	369.19			76.76	109.82		
1955			25.91		15.65	186.00			40.47	70.28		
1956			27.79		16.38	192.08			49.38	74.31		
1957			44.30		24.18	270.78			73.57	112.59	163.70	
1958			37.59			244.89			56.67	79.36	127.31	
1959				4.21	14.64	166.87			36.81	52.75	74.42	
1960						182.25		12.44	44.21	59.63	83.55	0.46
1961					22.43	292.27		16.16	65.49	100.38	156.50	1.26
1962				3.24		90.08		9.73	37.16	55.70	81.52	0.61
1963					24.49	256.58		17.03	64.29	92.68	149.19	0.72
1964					10.37	104.05	17.33	7.68	32.40	46.22	71.24	0.60
1965					24.01		31.36	14.21	56.08	80.20	136.40	1.15
1966		84.32					35.57	18.18	63.45	95.95	141.02	0.91
1967		62.91					27.06	13.39	40.18	71.38	105.88	0.54
1968		39.19	18.55				13.12	6.63	22.73	30.42	46.62	0.20
1969		52.11	27.99			160.73	20.16	10.12	38.54	63.28	100.05	0.53
1970		52.12	21.10		10.76	161.94	20.63	10.61	41.05	62.51	91.50	0.47
1971		82.01	35.55		21.97	236.92	34.54	16.60	63.64	106.18	159.51	0.84
1972		80.40	25.61		19.43	237.11	32.18	16.20	56.47	97.44	127.50	
1973		77.12	26.64		19.87	209.41	31.05	13.32	54.50	92.42	123.44	
1974		54.96	19.72		10.01	144.45	21.83	11.68	41.07	60.21	79.75	
1975		56.07	24.17		12.75	160.50	28.03	14.71	54.33	85.97	122.34	
1976		79.25	34.39		16.44	204.93		13.22	61.90	92.26	129.57	
1977	19.23	86.87	38.51		20.07		34.27	12.71	61.96	93.88	127.89	
1978	9.37	40.32	16.77		10.69		16.12	6.82	27.50	39.60	51.25	
1979	12.77	65.62			15.33	168.39	22.41	10.27	42.70		68.59	
1980	21.65	85.98	33.26		20.81		39.32		70.02	104.02	140.92	
1981	12.75	53.82	20.51			127.56	20.70		38.74	56.75	70.54	
1982	16.36	77.92	30.06		10.71	219.00	27.20	10.55	40.19	75.41	105.44	
1983	32.32	141.95	62.59		42.90	413.53	64.43	23.77	118.41	215.80		
1984	18.56	98.50	41.79		28.43	208.67	39.94	14.72	76.04	129.64		
MEDIA	18.00	79.74	27.48	3.24	16.78	190.72	28.97	13.04	49.06	80.78	109.57	0.72
QUADRADO	7.37	27.53	11.33	1.00	7.92	74.34	11.75	4.02	18.54	33.92	33.55	0.31
COEF. VAR.	0.17	0.14	0.17	0.10	0.22	0.15	0.16	0.09	0.14	0.18	0.09	0.10

VALORES SELECCIONADOS DE VAZÕES MÍDIAS ANUAIS (m³/s)

ANO	POSTO 13 M³/S	POSTO 14 M³/S	POSTO 15 M³/S	POSTO 16 M³/S	POSTO 17 M³/S	POSTO 18 M³/S	POSTO 19 M³/S	POSTO 20 M³/S	POSTO 21 M³/S	POSTO 22 M³/S	POSTO 23 M³/S	POSTO 24 M³/S	
1940												78.25	
1941			79.79									130.04	
1942			50.10									79.20	
1943			57.51									62.63	
1944			25.95									26.60	
1945			13.60									16.07	
1946			71.62									70.24	
1947			55.40									47.07	
1948			56.57									76.43	
1949			37.11									63.22	
1950			51.85									82.63	
1951			57.40									61.95	
1952			51.28	159.74								74.34	
1953			50.10	160.33								106.89	
1954			107.84	337.49								169.29	
1955			67.79	210.79								101.19	
1956			73.02	221.26								66.05	
1957			107.76	314.63					54.06			91.88	
1958			77.05	235.88				30.30	20.37	68.21		86.20	
1959			41.93	130.54				42.88	32.70	76.50		91.29	
1960	7.16	10.05	53.92	157.44			25.70	29.12	24.62	54.50		68.00	
1961	16.20	16.67	104.27	312.04			43.73	48.38	34.58	85.00		120.73	
1962	8.65	8.79	56.17	157.61			11.79	12.79	11.22	27.00		35.90	
1963	10.40	12.50	89.66	269.01			37.44	43.53	35.02	82.45		113.19	
1964	8.66	9.29	54.20	143.46			15.50	18.76	17.13	40.23		56.19	
1965	9.53	11.50	05.13	271.31	340.15		41.44	50.77	34.92	88.20		117.41	
1966	15.34	10.23	120.71	316.36	390.41		50.06	57.47	46.43	100.53		130.16	
1967	10.70	11.74	79.87	210.68	275.56		34.68	41.01	31.58	66.44		92.46	
1968	4.16	6.06	35.55	89.33	118.00		10.82	12.19	12.81	31.30		40.71	
1969	10.35	13.80	83.55	233.63	308.44		23.06	26.36	18.45	45.87		64.47	
1970	7.63	9.16	58.51	160.27	230.07		32.50	39.08	29.89	70.12		76.03	
1971	12.39		111.08	316.59	417.80		31.20	37.57	29.91	69.60		91.23	
1972	10.42		119.11	289.71	395.54	708.04	50.21	57.65	50.04	117.26		153.45	
1973	12.07		115.63	282.18	367.10	755.30	50.94	60.51	42.65	99.08		130.47	
1974	5.56		57.35	148.74	194.57	448.90	20.80	25.20	24.81	49.46		64.79	
1975	10.72		93.61	240.77	302.74	560.65	27.87	34.50	28.21	62.03		81.03	
1976	10.47		100.29	244.06	313.70	630.69	34.40	39.43	30.87	64.10		86.49	
1977	10.26	11.79	95.53	250.59	321.37		36.41	42.35	33.50	73.29		73.42	45.20
1978	4.90	5.00	46.18		135.49		15.26	18.92	14.13	29.61		38.70	19.44
1979	9.34		74.41	226.15	270.93	600.62	38.50	44.21	34.67	78.38		101.97	56.49
1980	11.94	14.24	100.25	267.54	335.51	679.22		39.37	30.79	68.17		86.85	45.54
1981	6.98	9.55	45.31	129.81	175.43	408.87		22.04	20.48	43.32		62.68	17.11
1982	6.01	10.07	111.16	264.56	321.40	645.42	37.44	44.96	30.33	61.13		110.41	61.67
1983			200.88	393.75				82.87	62.96	141.88		208.85	
1984	15.57		151.60	374.32				58.79	49.86	103.22		150.15	53.70
MÉDIA	9.96	11.72	76.84	244.86	290.20	613.97	31.96	40.13	31.44	71.01		88.36	42.74
D. PADRÃO	0.29	0.70	33.68	106.37	87.77	126.72	12.39	16.06	12.08	27.13		38.06	17.71
COEF. VAR.	0.11	0.10	0.19	0.19	0.09	0.04	0.15	0.16	0.15	0.15		0.19	0.17

VALORES DEFEIONADOS DE VAZÃO MÉDIAS ANUAIS (m³/s)

ANO	POSTO 25 R3/S	POSTO 26 R3/S	POSTO 27 R3/S	POSTO 28 R3/S	POSTO 29 R3/S	POSTO 30 R3/S	POSTO 31 R3/S	POSTO 32 R3/S	POSTO 33 R3/S	POSTO 34 R3/S	POSTO 35 R3/S	POSTO 36 R3/S
1940			762.23									
1941		134.63	1173.17							1571.67		
1942		110.26	654.71									
1943		119.46	691.26							946.32		
1944		26.55	275.73							370.77		
1945		20.26	195.57							274.53		
1946		130.64	808.95									
1947		97.25	577.64							810.36		
1948		102.12	774.90							1117.00		
1949		42.93	525.79				32.97			669.74		
1950		89.75	622.30	790.68			37.17			959.16		
1951		98.13	602.51							372.57		
1952		90.92	665.52	768.01	12.02		20.73			870.84		
1953		99.01	775.42	741.03	13.97		57.08			1067.36		
1954		100.79	1504.18	1704.00	28.22					2012.19	89.22	
1955		107.12	879.95	1025.17	17.65					1178.22		
1956		92.25	773.41	997.28	15.07					1010.38		
1957		131.64	1070.40		22.91		48.15			1414.64	65.08	
1958		90.01	931.17	1021.61	16.91		44.50			1192.47	45.67	
1959		48.39	132.37	697.57	11.57	16.21	55.36			896.95	31.79	
1960		60.10	646.94	719.09	12.10	16.86	36.45			875.65	37.90	
1961		133.05	1134.46	1232.00	25.27	32.28	56.00			1571.71	62.48	
1962		73.54		480.80	13.08	17.56	24.97	27.19		616.02	41.47	
1963		122.52	992.64	1116.53	17.93	23.98	61.64	66.38		1415.00	47.03	
1964		66.13	499.62	553.05	12.59	15.57	33.35	37.25		692.64	36.12	
1965		150.80	1072.55	1212.76	26.80	35.21				1573.44	70.63	
1966		152.97	1206.15	1360.11	27.10	36.38	79.89			1736.62		
1967		115.23	775.58	996.26	17.97	22.03	54.14	50.39		1163.36		
1968		46.22	347.04	389.31	8.21	10.59	24.63	27.33		507.65	22.49	
1969		137.97	817.45	906.47	20.80	27.94	30.02			1100.38	65.03	
1970		94.46	742.44	817.70	17.53	24.65	48.88			1051.65	57.44	
1971		157.03	1165.74	1270.60	23.55	35.35			72.60	1591.90	75.25	
1972		167.59	1245.55	1375.51	23.93	37.45			168.20	1806.32	71.75	
1973		159.43	1191.37	1279.31	27.56	39.41			149.02	1691.15	87.56	
1974		68.49	630.84	693.67	15.60	23.09			80.25	885.60	45.77	
1975		115.68	843.47	923.75	21.31	32.93			74.85	1177.07	61.57	
1976		112.90	942.82	1015.47	20.29	29.65			76.34	1310.07	51.36	
1977	7.71	107.98		1071.02	17.02	24.70			70.07		43.62	
1978		49.17		484.20	9.03	14.01			41.52	637.16	25.24	6.53
1979	7.73	120.29	985.45	1072.40	19.35	31.10			96.26	1374.57		22.21
1980	6.77	113.61	990.39	1090.67	18.17	27.20			80.56	1350.45	51.73	11.56
1981	5.09	59.22	580.74	627.66	11.82	17.69				334.11	42.39	10.69
1982	13.40	136.84	1112.60	1163.81	24.45	36.75			91.03	1530.94	82.49	20.50
1983	28.75	230.32	2009.19		42.72	69.00					130.37	45.20
1984		133.40	1299.61	1358.27	17.75	26.92					55.97	10.52
MEDIA	11.58	100.74	862.67	960.12	19.10	27.87	44.82	43.37	92.80	1124.67	57.90	19.30
VARIAÇÃO	9.07	44.93	344.50	303.52	7.02	11.73	14.83	10.11	35.80	410.07	24.35	12.80
COEF. VAR.	8.50	44.93	40.6	31.10	36.3	42.18	33.11	23.17	40.15	36.13	42.18	66.44

VALORES SELECCIONADOS DE VAZÕES MEDIAS ANUAIS (m3/s)

ANO	POSTO 37	POSTO 38	POSTO 39	POSTO 40	POSTO 41	POSTO 42	POSTO 43	POSTO 44	POSTO 45	POSTO 46	POSTO 47	POSTO 48
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940												
1941									223.52			
1942							1255.05		115.25			
1943							1290.71					
1944												
1945							325.18		23.13			
1946									118.80			
1947							1109.32		65.37			
1948							1349.80		109.30			
1949							316.89		67.20			
1950							1181.20		119.20			
1951									73.64			
1952							1120.59		81.50			
1953							1370.71		152.48			
1954					17.77		2719.09		201.73			
1955					8.95				151.04			
1956					9.33				85.26			
1957					11.26				117.25			
1958					12.21		1466.10		101.07			
1959					7.62		1154.53		141.09			
1960		93.07		119.24	11.52			6.22	106.80			
1961		171.20		210.01				9.53	165.09			
1962		100.02		131.30			726.50	4.31	49.27			
1963		145.67		186.89				12.27	150.64			
1964		95.11		117.04			849.90	6.29	93.84			
1965		200.92		273.26				11.90	176.17			
1966		194.03		261.15				12.75	209.22			17.35
1967		115.46		149.45			1358.70	7.05	127.13			10.30
1968		53.93		74.29				6.09	52.40			6.32
1969		164.62		216.77	14.67		1524.56	8.75	110.20			23.52
1970	130.35	142.41		202.37	9.54		1348.20	9.81	117.70			13.24
1971	204.00	216.29		280.39	15.38		2003.49	10.77	143.68			17.60
1972	193.17	202.59		265.85	17.69		2165.81	18.91	309.71			22.77
1973	219.08	233.30		298.79	16.35	322.60	2129.61	15.35	229.80			22.77
1974	113.70	120.35		157.09	8.24	171.19	1144.76	6.55				13.71
1975	152.68	168.12		211.33	15.27	242.18	1542.79	7.69	155.29			19.52
1976	147.75	165.30		199.80	11.59	219.09		9.75	111.96			15.41
1977	109.72	121.19	4.50	144.28	9.60	165.29	1633.02	11.13	172.69	9.19	16.72	11.45
1978	61.28	63.55	2.25	79.14	4.39	89.19		3.66	65.35			5.97
1979			11.61	230.80	16.44	261.39	1762.46	13.34	190.95		43.96	24.03
1980			5.27	162.05	7.17	172.81	1596.96	10.51	120.04	4.47	22.83	10.29
1981			3.94	125.67	8.26	141.35	1015.31	4.77	62.39		24.49	11.90
1982			9.47	240.34	11.78	267.81		14.40		0.20	41.60	19.90
1983			23.75	466.56	26.48	516.93						41.60
1984			7.34	180.64	11.19	199.77		13.88	213.96	7.19	30.20	15.50
MEDIA	147.95	146.00	8.52	200.72	12.25	230.87	1295.10	9.97	132.86	7.02	31.33	17.00
COEF. VARIAC.	0.14	0.13	0.67	0.01	0.80	109.99	671.51	3.76	62.72	1.77	11.30	0.16
COEF. VAR.	0.12	0.12	0.65	0.17	0.15	0.23	0.27	0.14	0.22	0.06	0.13	0.20

VALORES SELECIONADOS DE VALORES MEDIAS ANUALES (M3/S)

ANO	POSTO 49	POSTO 50	POSTO 51	POSTO 52	POSTO 53	POSTO 54	POSTO 55	POSTO 56	POSTO 57	POSTO 58	POSTO 59	POSTO 60
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940												
1941							23.89					
1942				56.14	20.05		22.73		50.03			
1943				27.75	13.02		9.83		36.80		13.30	
1944				18.04	9.58		6.91		20.07		6.50	
1945				11.67	6.57		7.65		16.50		7.38	
1946				37.41	19.06		15.38		41.32		16.09	
1947				27.64	23.11		21.34		43.45		23.19	
1948				47.61	36.33		27.49		45.50		25.40	
1949				31.12	17.45		15.47		32.63		13.53	
1950				50.03	28.14		21.60		49.50		19.09	
1951				34.02	18.88		17.72		27.44		12.25	
1952				31.60	27.66		15.30		31.29		11.52	
1953				51.32	31.74		24.02		56.23		22.28	
1954				90.27	37.62		29.71		85.23		29.64	
1955				56.02	25.44		20.23		56.87		25.59	
1956				45.72	20.14		22.58		39.47		15.34	
1957				43.07	20.24		19.79		41.14		16.73	
1958				33.40	13.37		15.25		36.39		18.65	
1959				50.56	21.01		31.87		64.01		31.49	
1960				35.46	10.72		11.12		33.67		15.20	
1961				78.72	23.79		27.97		74.19		40.49	
1962				22.52			7.86		17.94		6.42	
1963				58.58			23.15		56.26		16.63	
1964				38.05	10.22	6.04	15.32		41.68	11.53	13.64	
1965	60.52		40.42	50.16	32.43	8.63	23.71		53.16	15.29	24.13	
1966	30.59		55.65	75.65	30.67	9.73	27.96		76.40	23.78	29.74	
1967	47.46		34.58	43.92	16.72	4.80	15.79		45.06	16.00	22.02	
1968	24.43		15.25	19.56		3.87	12.00		15.48	6.12	0.79	
1969	48.02		31.31	37.99	17.73	4.87	15.46		24.56	10.19	13.92	
1970	49.07		30.40	47.52	24.54	7.25	21.61	31.92	37.06	8.78	17.66	
1971	51.98		32.38	50.81	23.43	5.73	18.67	26.07	50.02	14.06	20.21	
1972	100.15		70.90	105.99	47.75	12.68	36.05	66.74	89.87	22.93	30.74	
1973	83.77		56.21	80.01	42.30	11.09	32.12	60.02	84.99	22.93	30.36	
1974	45.04		27.92	35.71	20.89	5.46	12.06	21.58	35.91		14.29	
1975	55.52		44.96	62.45	37.78	10.14	22.32	49.72	55.81	15.14	21.97	26.36
1976	41.89		26.68	34.81	18.70	4.76	12.05	17.65	41.40	11.30	15.67	19.71
1977	49.55	14.76	30.28	46.64	22.23	6.22	15.00	21.45	56.46	15.60	23.16	25.18
1978	24.72	6.11	14.87	20.93	12.00	3.67	10.70	14.21	32.50	0.90	10.90	13.78
1979	73.64	16.74	50.10	74.69	35.24	10.16	25.71	37.26	61.69	18.75	22.37	
1980	45.19	14.68	30.43	51.58	27.41	8.26	21.20	28.52	52.77	13.51		20.93
1981	23.55	7.60	15.09	24.88	14.40	4.10	7.27	10.73	26.02	8.32	14.15	
1982	60.46		39.64			8.20	25.52	36.14			27.29	31.57
1983				120.33	50.13	14.32	43.20	60.15				
1984	82.00		57.29	93.18	42.47	10.01		41.66				
MEDIA	55.69	11.98	37.07	49.42	25.06	7.62	19.99	34.92	46.06	14.31	19.17	22.92
D. PADRAO	22.17	4.78	15.55	24.12	11.11	3.04	8.29	17.63	18.73	5.36	7.00	6.16
COEF. VAR.	0.16	0.16	0.18	0.24	0.20	0.16	0.17	0.25	0.17	0.14	0.17	0.07

VALORES SELECCIONADOS DE VAZDES MEDIAS ANUALES (m3/s)

ANO	POSTO 61	POSTO 62	POSTO 63	POSTO 64	POSTO 65	POSTO 66	POSTO 67	POSTO 68	POSTO 69	POSTO 70	POSTO 71	POSTO 72
	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s
1940												
1941												
1942	139.57				26.06		154.76		70.15			
1943	89.61						53.31		23.34			
1944	50.20						53.74		27.00			
1945	41.35						46.21		30.37			
1946	33.87				22.83		104.75		46.24			
1947	117.45				28.03		112.16		56.19			
1948	134.39				31.24		136.81		81.36			
1949	80.57				15.42		67.75		31.74			
1950	125.74				24.61		95.71		39.52			
1951	79.02				10.07				29.78			
1952	84.12				10.85		63.32		36.04			
1953					22.77		102.72		43.98			
1954	200.95				46.03		171.65		98.32			
1955	144.09				36.29		141.43		59.62			
1956	104.96				18.00		01.41		40.59	46.64		
1957	70.83				10.22	42.68	64.34		30.13	35.10		
1958					24.30	67.64	100.56		68.01	76.24		
1959	171.13			310.27	29.31	118.74	212.15		33.46	103.51		31.36
1960	74.36			134.76	12.81	44.63	73.28		46.68	54.49		19.29
1961	203.73			373.61	41.51	143.73	202.44		95.64			39.26
1962	44.37			59.16	6.09	19.87	30.70		16.71			9.49
1963	120.73			231.09	20.28	96.01	127.71		50.13	78.05		19.82
1964	87.38			147.65	13.75	47.45	74.16		27.75	36.00		13.84
1965	127.17			222.13	21.06	31.30	120.19		63.53			25.40
1966	168.32			330.45	31.77	112.07	160.69		99.06			33.11
1967	113.48			199.59	22.07	73.60	110.99					23.11
1968	49.07	11.31		85.44	9.41	36.23	55.32		17.06		100.60	8.09
1969	75.75	14.79		141.21	16.00	57.18	85.95		51.94	62.27	113.04	12.04
1970	98.61	21.11		185.33	20.66	77.96	116.19		51.29	60.76	158.40	23.78
1971	130.02	25.30		223.65	21.25	79.06	124.01		57.11	64.21	140.46	23.30
1972	225.64	52.53		436.18	44.84	157.33	243.92		104.87	122.45	347.33	44.57
1973	214.48			370.95	35.02	123.34	190.38		88.77	105.88	337.76	40.03
1974				165.59	18.95	59.61	91.54		44.62	50.73	144.91	18.22
1975	147.04	28.11	61.20	264.32	26.39	82.96	134.35		52.56	41.05	190.01	21.60
1976	90.67	27.39	46.62	175.17	17.04	69.75	90.21		58.39	65.72	147.72	22.78
1977	139.15	25.16	55.64	234.25	21.56		102.71	58.18	57.02		324.33	25.26
1978	79.23	13.03	28.38	130.72	10.11	40.66	55.50	25.24	27.41	33.41	120.26	
1979	153.10		72.02	281.63	32.47	120.73		75.76	66.02	78.07	131.00	
1980	103.79		51.30	235.22	23.14	30.62	111.99	61.43	41.66	43.22	247.76	24.12
1981			35.51		11.93	38.23	52.75	26.51	26.77		113.31	14.31
1982	162.50		92.40	300.40	41.87	148.07			109.94		297.08	44.80
1983									94.09		289.86	41.86
1984											331.42	46.66
MEDIA	119.20	24.33	54.10	228.03	23.50	60.98	108.64	49.43	55.05	65.55	203.00	26.37
D. ESTAD.	47.00	12.35	21.99	96.20	10.22	38.42	49.50	22.50	25.76	25.22	93.47	11.28
COEF. VAR.	0.36	0.26	0.16	0.18	0.19	0.23	0.21	0.21	0.22	0.15	0.20	0.13

VALORES SELECCIONADOS DE VAZÕES MÉDIAS ANUAIS (m3/s)

ANO	POSTO 75	POSTO 76	POSTO 77	POSTO 78	POSTO 79	POSTO 80	POSTO 81	POSTO 82	POSTO 83	POSTO 84	POSTO 85	POSTO 86
	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s
1940												
1941								193.70				183.20
1942								163.24			57.65	94.20
1943								34.56			32.31	40.15
1944								94.90			30.01	42.47
1945								68.02			21.65	32.01
1946								93.06			59.55	84.30
1947								83.05			42.48	49.03
1948								146.06			59.33	83.42
1949								37.05			46.79	66.02
1950								82.78			60.47	86.47
1951								61.33				51.74
1952								109.73			41.81	56.15
1953								70.78		3681.91	81.97	114.02
1954								148.91			112.76	172.41
1955								65.21			67.02	104.36
1956		309.48						92.65	523.48		54.76	83.40
1957								71.61	454.13	3445.32	33.64	32.32
1958	105.96							137.18	821.14		62.33	101.15
1959	152.46							216.79	1496.02		87.44	130.02
1960	80.89							144.67	824.21		47.84	78.51
1961	150.88							127.12	1039.15		102.45	156.00
1962	48.98				30.35			50.66	288.98		29.10	47.10
1963	98.11				47.61			143.93	954.26			111.66
1964	52.23				30.50			39.54	230.20	2321.86		72.89
1965	109.84				51.84				722.00	4803.19	96.89	129.34
1966	154.22				77.11			223.46	1447.72	6309.58	121.58	191.94
1967	104.26				59.18			120.04	850.29	3879.63	80.14	124.04
1968	36.77			220.08	33.60			61.14	346.80		28.77	47.80
1969	82.38	345.01		391.93	49.47			84.32	595.84	3904.46	37.79	61.90
1970	90.02				55.37			83.06	644.94	3714.06	53.44	89.10
1971	97.32	412.95	0.40	433.19	45.99			80.70	630.30			
1972	192.42	902.66	11.96	953.45	85.95			191.05	1368.59			183.50
1973	169.39		11.94	944.38	87.81			234.47	1402.25	6784.61	109.17	161.03
1974	74.42	367.72	7.25	397.35	30.52			82.72	572.12	3200.35		85.38
1975	93.80	483.93	8.92	504.18	60.95			100.93	746.76	4771.67	80.48	124.14
1976	95.95	443.20	9.23	458.04	61.76			86.44	641.76	3064.53	60.79	92.00
1977	108.54		10.93	677.77	63.29			173.37	1013.91	4560.78	75.86	114.54
1978	74.10		9.78	342.74	56.05		31.83	113.30	589.55		47.02	73.10
1979	132.47			547.36	72.38						38.55	130.74
1980		490.25	7.87	501.26	52.76					3999.77	66.70	105.85
1981			8.63	260.20	32.26	39.70	12.27	49.20		2199.09	46.42	73.02
1982				912.02	84.75	103.90	41.05	208.77			90.07	141.52
1983			14.61				38.50	147.98	1142.38	8450.25		239.71
1984						103.24		191.91				
MÉDIA	104.47	481.87	10.15	541.07	56.83	82.31	31.11	116.05	806.91	4368.13	63.77	103.82
D. PADRÃO	40.28	176.71	2.07	244.42	17.01	36.90	13.23	53.77	360.27	1622.99	25.35	46.79
COEF. VAR.	0.15	0.13	0.04	0.20	0.09	0.20	0.10	0.21	0.20	0.14	0.16	0.20

VALORES SELECIONADOS DE VA/DLC MEDIAS ANUAIS (M3/S)

ANO	POSTO 87 195150000 M3/S	POSTO 88 195180000 M3/S	POSTO 89 195220000 M3/S	POSTO 90 195240000 M3/S	POSTO 92 195340000 M3/S	POSTO 93 195360000 M3/S	POSTO 94 195380000 M3/S	POSTO 95 195395000 M3/S	POSTO 96 195375000 M3/S	POSTO 97 195433000 M3/S	POSTO 98 195470000 M3/S	POSTO 99 195480000 M3/S	
1940													
1941					22.74								
1942					41.11								
1943					19.35								
1944					14.95								
1945					23.69								
1946					31.57								
1947	9.44				45.32								
1948	13.08				34.29								
1949					19.38								
1950					34.90								
1951	5.82												
1952	5.58												
1953	12.19						30.88						
1954	19.24						45.05						
1955	12.79												
1956	9.27												
1957	9.76						37.22						
1958		14.59					52.41						
1959	13.32	21.51					70.26						
1960	7.85	10.17	119.78										
1961	14.71	24.73	241.51				86.02						
1962	3.61	4.43	61.06	10.18			25.97						
1963	10.87	15.22	143.57	28.80			52.27						
1964	6.73	10.82	108.90	16.09			28.23						
1965	10.53	16.80	179.42	22.15			31.33						
1966	16.66	29.49	282.13	40.55			66.30						
1967	12.06	19.27	176.70	27.63									
1968	3.96	7.36	71.90	10.31		91.48		112.21				7.14	
1969	5.64	10.05	93.72			127.37	16.89	170.93				10.03	
1970	7.80	14.17				157.75	50.25	221.42	233.76			16.03	
1971		19.50				158.28	37.43	243.43	248.38			9.10	27.29
1972		35.44				403.59	55.29	506.86	530.20			24.85	76.20
1973		32.26					43.04	452.01	471.84			23.72	69.26
1974		14.32					22.98	257.04	270.36			8.92	36.75
1975		19.26					32.67	303.32	316.19			17.09	50.59
1976		15.34						271.30	279.55	5.59		12.90	34.94
1977		21.94						288.80	319.62	21.28			59.82
1978		12.55					16.77	149.70	152.20	22.14		9.29	20.95
1979		26.53					30.26	296.20	290.36	17.69		12.93	46.39
1980		19.72					23.99	200.87	195.98	9.16		17.75	31.62
1981		11.77					17.62	150.53	160.43	9.26		7.38	
1982		22.00					45.36	353.79	362.03	34.92		27.36	
1983		41.30					57.22	583.74	573.07	29.15			57.30
1984		38.45					56.16		502.70				
MEDIA	10.05	19.62	149.07	22.29	35.78	187.69	41.20	205.15	328.98	10.65	14.61	45.83	
DEPARTAM.	4.17	9.42	72.55	11.80	22.40	122.76	17.94	102.86	136.78	10.31	6.76	10.15	
COEF. VAR.	0.17	0.23	0.23	0.24	0.39	0.43	0.19	0.22	0.17	0.31	0.21	0.16	

VALORES SFLECIONADOS DE VADES MEDIAS ANUAIS (m3/s)

ANO	POSTO 100	POSTO 101	POSTO 102	POSTO 103	POSTO 104	POSTO 105	POSTO 106	POSTO 107	POSTO 108	POSTO 109	POSTO 110	POSTO 111
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940												
1941												
1942	136.57										16.60	6.30
1943	14.58					14.55			20.30		8.11	2.01
1944	82.48								28.75			3.65
1945	39.26						255.30		16.09			2.86
1946	60.53			29.03			458.64		36.10		14.27	7.69
1947	85.28			28.25			535.74	2.87	36.75	4.55	15.45	
1948	100.73	7.30		30.81			592.10	3.20	40.16	5.90	21.40	7.74
1949	51.64	4.40					395.94	1.95	29.62	4.09	16.87	7.25
1950	73.36	6.21		22.34			496.27	1.53	22.86	2.57	9.56	2.54
1951	31.09	4.60		17.58		16.18	279.05	1.91	28.60	4.03	12.58	5.45
1952	83.46	9.85		19.04		12.18	485.09	1.91	22.89	3.48	11.21	4.69
1953	65.26	6.37		30.36		13.16	636.36	2.71	35.75	4.32	19.23	
1954	140.79	9.70					1132.17	4.75		9.41	36.23	
1955	74.66	6.20						2.05		4.31	19.17	
1956	67.94	9.37						3.15	49.01	6.37	25.36	
1957	39.64	8.48						3.47	53.49	7.10	23.30	
1958	165.20	17.10						3.43	53.95	5.56	22.89	
1959	199.02	19.35						3.20	38.91	6.11	25.39	
1960	120.50	12.93						2.47	30.51	4.76	21.16	
1961	120.97	8.67						3.54	58.42	6.51	34.09	
1962	33.08	3.78						0.96	14.80	1.57	7.49	
1963	117.46	15.23						3.39	47.52	6.79	32.29	
1964	38.34	3.82						1.81	23.78	2.52	12.32	
1965	102.99	12.67					807.99	2.95	45.25	5.22	25.80	
1966						25.47	1432.50	3.40		7.43	33.16	
1967						12.12	762.96	3.40	49.48	6.30	29.94	
1968						6.38	250.94	1.43	22.13	2.15	9.83	
1969						11.62	493.63	2.74	36.84	4.10	17.24	
1970						15.34	535.36	2.37	34.57	4.61		
1971						12.60	577.92	2.89	44.26	5.47	23.11	
1972						23.52	1421.13	4.83	64.49	7.79	38.10	
1973						17.27	1076.32	3.67	53.74	7.03	32.32	
1974						11.81	570.05	2.02	35.23	4.32	17.28	
1975						13.03		3.28	30.32		25.06	
1976						16.05		4.41	46.16	7.45	30.22	
1977			19.99			16.66	949.78	3.93	47.50	6.64	31.79	
1978			7.31			11.72		2.44		3.43	14.02	
1979					19.99	22.85	855.84	2.79	31.44	4.49	18.02	
1980			5.61		14.67		561.20	3.89		5.78	20.55	
1981					13.70			3.05		4.70		
1982			16.40		22.81			2.95				
1983			12.10		30.67			5.77				
1984								3.84				
MEDIA	84.03	9.23	12.01	25.41	20.37	15.14	677.50	3.00	37.60	5.20		
VARIAÇÃO	15.40	1.62	1.05	5.42	6.88	4.79	334.70	0.99	12.61	1.76		
COEF. VAR.	0.18	0.17	0.24	0.05	0.33	0.30	0.24	0.31	0.31	0.32		

ANO	POSTO 112	POSTO 113	POSTO 114	POSTO 115	POSTO 116	POSTO 117	POSTO 118	POSTO 119	POSTO 120	POSTO 121	POSTO 122	POSTO 123
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940				51.61		95.40					73.90	
1941				70.74	596.92	139.54					87.00	
1942					246.09	66.69					45.81	
1943				22.01	153.28	38.71					31.58	
1944				20.03	148.58		6.03				47.34	104.45
1945				15.68	109.01	32.53	6.27				22.44	
1946				37.11	273.01		13.18				34.29	127.50
1947				24.72	212.09	38.50	6.73				45.56	124.63
1948				36.35	279.62	47.80	4.07			27.84	50.30	206.21
1949				30.04	223.72	38.08	7.87			23.03	48.88	
1950				29.74	187.02	39.44	6.69			17.03	29.07	
1951				24.68	208.06	32.42	4.78			16.72	39.79	75.34
1952				21.50	173.05	30.08	2.80			10.07	31.36	256.77
1953				41.36	341.54	67.17	15.71			20.22	62.54	160.01
1954				67.44	557.13	98.15	19.13			26.41	119.02	223.84
1955				40.56	352.69	53.00	4.63			19.75	47.21	104.97
1956	13.38			34.10	367.66					22.14	67.00	103.74
1957			25.33	34.53	325.37					27.94	76.66	121.26
1958	75.23		28.75	44.39	362.71	54.34		21.17		24.88	63.43	221.54
1959	70.79		36.27	48.52	415.37	67.26	33.27	30.55		23.65	74.20	
1960	48.66		20.59	28.06	278.23	46.60	9.48	13.47		24.64	9.93	200.34
1961	80.31	12.64	37.64	55.22	492.11	70.59	15.26			19.73	72.55	151.01
1962	68.61	2.31	8.00	51.57	93.27	33.10	3.54	5.16		15.48	20.57	80.03
1963	78.94	0.69	34.53	48.11	426.17	72.23	9.51	28.00	2.64	18.72	20.80	
1964	31.17	4.45	15.41	23.57	200.77	31.87	9.10		4.39	16.05	26.52	
1965	01.90	8.28		48.13	437.84	70.72	10.75		3.60	25.90	42.07	
1966	106.91	14.41	53.46	70.27	503.99	101.48	14.96		3.09	32.30	84.27	
1967	75.39	9.28	31.44	46.38	414.99	63.83			4.12	14.08	177.97	
1968	20.90	4.01	13.39	20.63	150.82	28.80	5.79		2.58	10.18	183.55	77.47
1969	38.77	5.27		26.42	218.03	38.68	7.60		3.39	18.30	43.37	107.97
1970	58.71	8.33	26.17	38.01	301.17		10.83	20.13	5.25	20.08	60.27	
1971	72.60	9.75	32.80	47.16	394.41	61.00	11.71	24.78		20.13	72.39	106.35
1972	99.61	13.53	55.00	78.15	616.51	114.17	16.81	37.18	9.93	37.54	100.49	
1973	93.32	11.17	44.46	60.44	477.35	86.07	12.42	20.72	8.31		77.53	
1974	47.31	6.40	24.33	34.01	251.49	39.83	7.68		5.39		47.10	140.10
1975	59.95	8.15	34.40	45.92	350.22	62.57	8.63	20.16	6.61		76.04	186.92
1976	64.59	8.49	29.35	42.04	391.15	49.24	9.43	18.79	7.02		90.50	159.52
1977	78.64	9.57	32.81	47.52	446.17	66.36	10.73	19.48	5.77		80.27	312.43
1978	35.12	5.55	19.69	29.49	217.96	37.04	4.64	10.86	5.35		41.05	
1979	60.62	8.96	37.33	51.19	339.69	65.48	10.95	21.61	4.27		50.32	130.30
1980	69.06	9.18	34.23		406.19	64.04	9.26	20.77	4.70		74.26	207.79
1981	41.98	6.56	24.50		263.41	40.24	5.01	16.52	5.42		62.86	
1982	74.36				390.06	77.61	12.20	31.55			72.63	224.12
1983									5.67		123.91	244.15
1984									4.19			282.26
SEPIA	62.95	8.36	30.43	39.68	325.62	59.87	10.00	21.70	5.00	21.64	64.80	164.81
LA HABRA	25.30	3.03	11.40	16.01	134.44	25.61	5.66	7.90	1.36	5.99	36.17	66.81
LEON, VGR	0.17	0.14	0.14	0.14	0.17	0.18	0.32	0.14	0.13	0.08	0.31	0.16

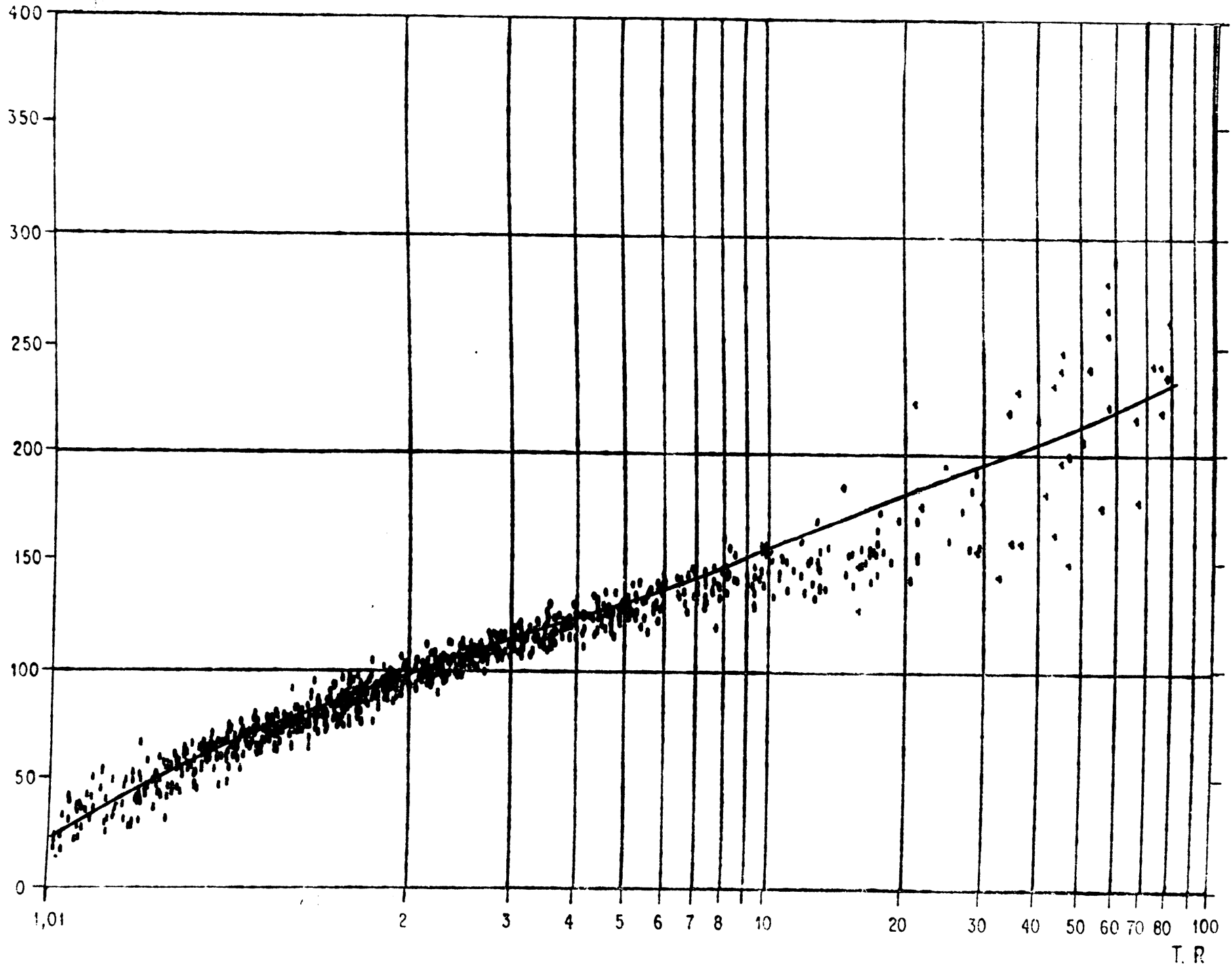
VALORES SELECIONADOS DE VAZÕES MÉDIAS ANUAIS (m³/s)

	POSTO 124	POSTO 125	POSTO 126
ANO	187905000	188179000	188185000
	m³/s	m³/s	m³/s
1940			
1941			
1942			
1943			
1944			
1945			
1946			
1947			
1948			
1949		2.85	
1950		4.22	
1951		2.02	
1952		5.07	
1953		2.82	
1954		4.77	
1955		2.48	
1956		2.12	
1957		3.45	
1958			
1959			
1960			
1961			
1962			
1963			
1964			
1965			
1966			
1967			
1968	71.87		
1969	189.44		
1970	187.58		
1971	172.73		
1972	511.47		
1973	364.29		3.30
1974	245.56		3.26
1975	314.27		1.87
1976	432.41		4.16
1977	544.94		3.75
1978	147.62		1.15
1979	249.71		2.40
1980	321.41		3.25
1981	204.88		3.64
1982	350.75		4.46
1983	279.57		3.24
1984	452.81		4.56
MÉDIA	204.13	3.37	3.27
COEF. VAR.	1.26.57	1.20	1.03
COEF. VAR.	0.20	0.33	0.10

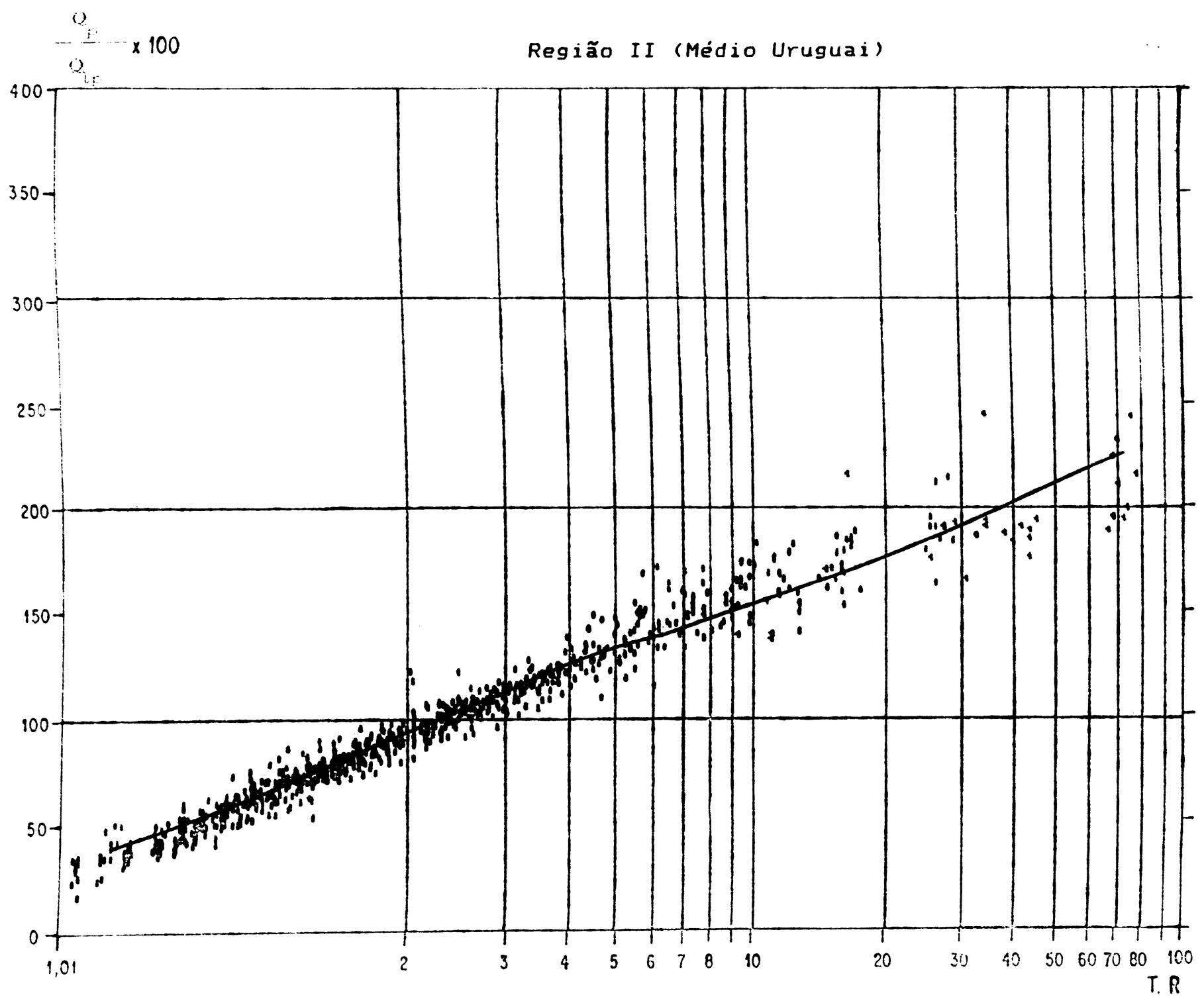
ANEXO B2 - Ajuste das curvas adimensionais aos pontos

x 100

Região I (Alto Uruguai)

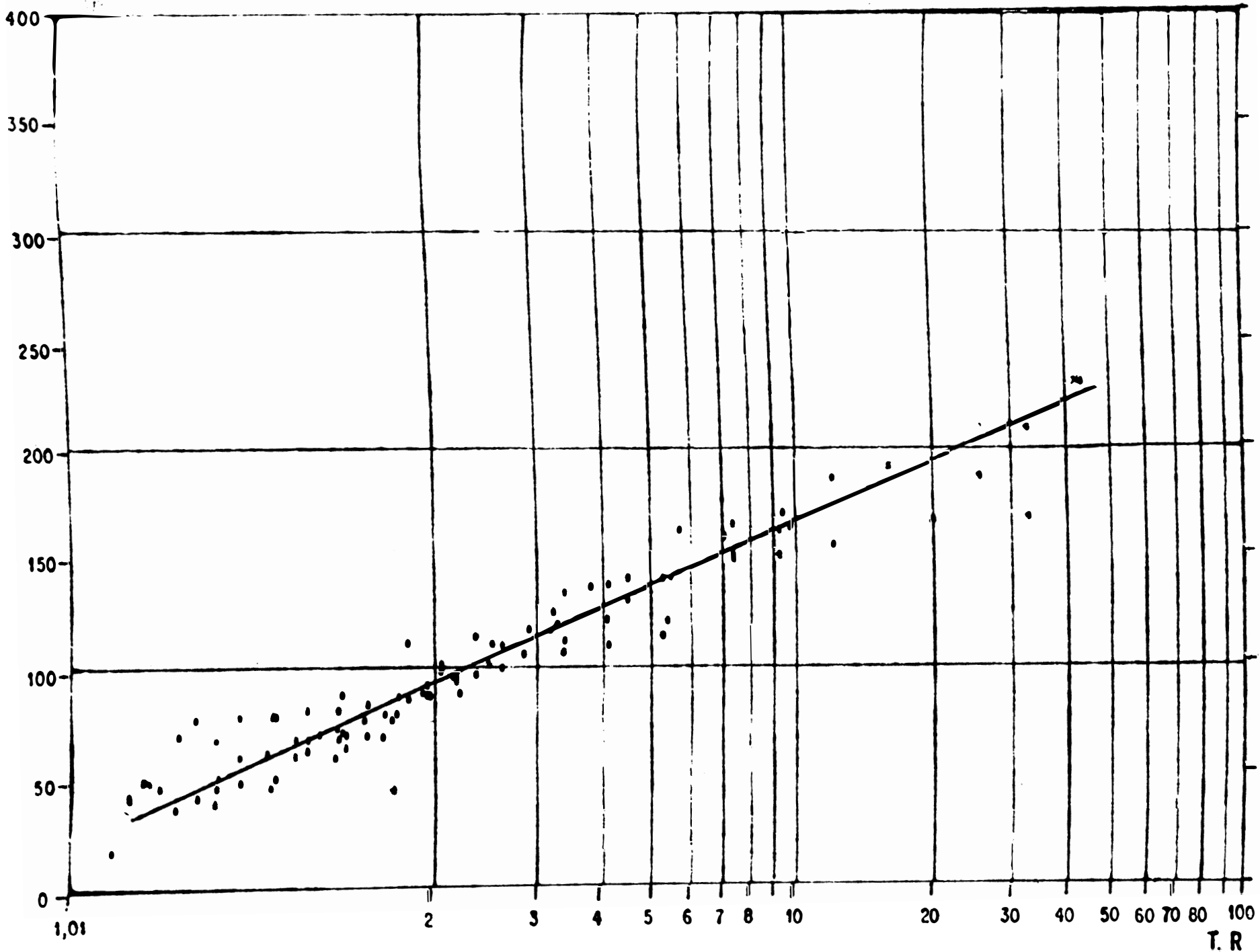


Região II (Médio Uruguai)



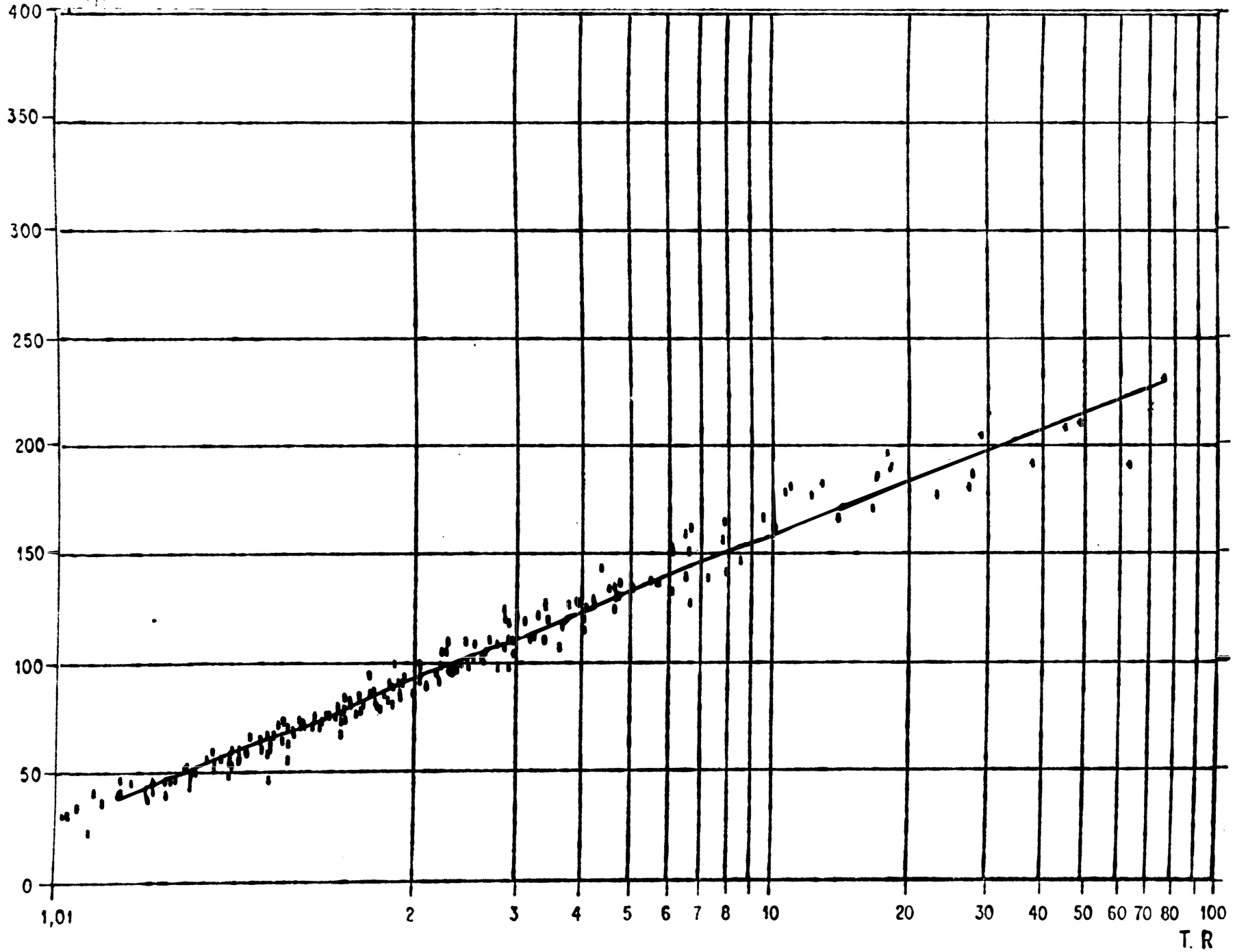
x 100

Região III (Alto Jacuí)



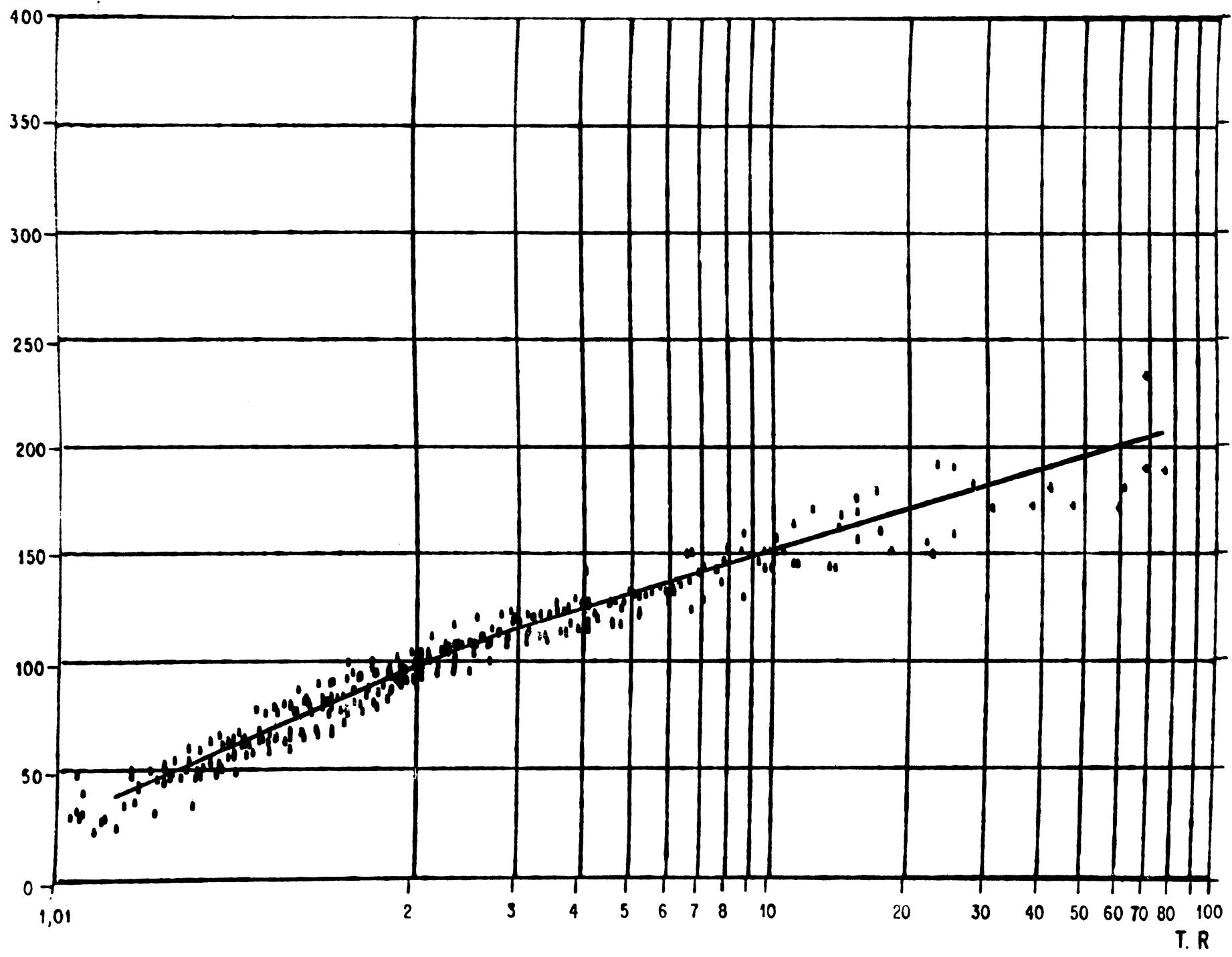
x 100

Região IV (Médio Jacuí e Vacacaí)



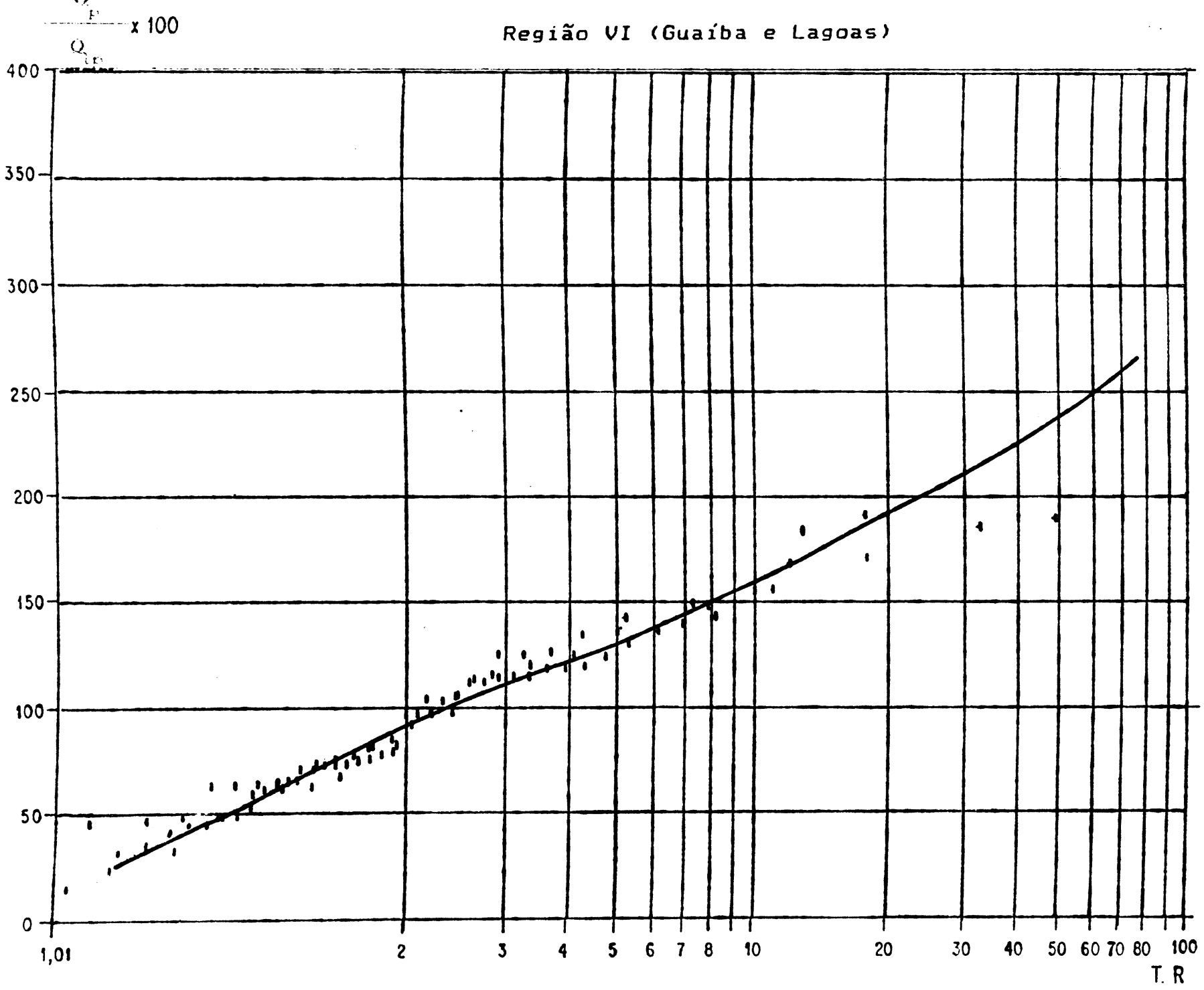
x 100

Região V (Rio Taquari)



T. R

Região VI (Guaíba e Lagoas)



ANEXO C - Vazões máximas anuais

ANEXO C1 - Valores selecionados de vazões máximas anuais

VALORES SELECCIONADOS DE VAZÕES MÁXIMAS ANUAIS (m³/s)

ANO	POSTO 01 M3/S	POSTO 02 M3/S	POSTO 03 M3/S	POSTO 04 M3/S	POSTO 05 M3/S	POSTO 06 M3/S	POSTO 07 M3/S	POSTO 08 M3/S	POSTO 09 M3/S	POSTO 10 M3/S	POSTO 11 M3/S	POSTO 12 M3/S
1940												
1941				71.41		2761.60						
1942				75.71		1187.00						
1943			656.00	15.95		2320.00			208.00			
1944			107.00			597.00			93.70			
1945			158.30	12.90	175.80	746.00			86.06			
1946			323.00	25.45	406.00	1788.00			193.66			
1947			224.40	35.01	181.00	765.00			174.52			
1948			577.20	97.46	244.70	2180.00			236.00			
1949				94.35	74.50	1070.00			157.47			
1950				5.46	406.00	3685.00			215.20			
1951			378.00	38.90	349.00	2320.00			142.36			
1952			323.00	28.00	209.60	1460.00			161.50	214.20		
1953			623.00	34.00	207.00	2734.00			144.42	230.00		
1954			656.00		435.00	4800.00			330.00	515.00		
1955			656.00	16.25	374.50	2366.00			251.20	363.00		
1956			450.00	38.20	423.80	1767.50			207.68	287.30		
1957			626.40	39.60	432.20	2449.00			326.50	606.00	739.50	
1958			656.00	34.00	107.00	2880.00			227.20	269.00	412.60	
1959				38.20	439.20	1870.00			161.00	193.40	253.00	31.20
1960				30.40	406.00	3030.00		91.20	164.29	194.00	275.00	31.20
1961			436.00	38.20	406.00	2830.00		119.40	282.10	444.00	690.00	11.00
1962				20.40		1265.00		105.60	185.50	249.20	400.90	11.00
1963				33.40	346.00	2596.00		111.60	290.00	436.30	645.00	11.00
1964				28.00	194.00	1343.00	112.60	64.24	123.60	189.80	275.00	51.00
1965				13.94			237.00	132.00	375.25	576.10	765.00	18.25
1966		772.00		29.20			204.80	114.00	316.00	499.40	584.20	61.40
1967		1121.50	656.00	37.20			182.80	99.60	212.00	277.50	410.00	71.00
1968		689.50	436.00	0.88			180.67	102.60	195.80	258.60	378.00	0.97
1969		544.00	400.00			1390.00	110.00	72.18	149.80	254.40	480.00	71.20
1970		544.00	350.00	10.80	233.00	1203.80	144.00	93.00	166.12	210.00	311.00	51.70
1971		961.10	407.00		346.00	1700.00	173.12	93.40	181.42	208.00	398.40	61.40
1972		1102.00	284.00		272.60	1636.00	174.72	98.40	244.40	369.00	630.00	
1973		1063.00	397.60		276.80	1465.00	181.00	89.69	232.00	308.10	517.00	
1974		660.00	272.30		233.00	1201.00	152.00	81.40	217.00	236.00	248.00	
1975		608.00	403.00		201.00	1381.00	167.10	83.71	213.60	270.90	450.00	
1976	311.00	1015.50	454.50		444.00	1779.60	235.00	79.95	224.40	356.70	450.00	
1977	382.00	2896.00	724.00		537.00	3734.00	282.50	88.60	336.00	395.00	607.60	
1978	207.60	673.00	495.00		998.00	1349.80	147.00	71.00	193.00	209.00	201.20	
1979	228.40	706.00	400.00		230.00	1156.20	165.00	68.00	186.00	255.20	392.80	
1980	378.00	1478.00	527.00		402.00		229.50		311.60	349.00	559.00	
1981	152.00	672.80	378.00			1069.00	152.40		252.00	373.00	398.40	
1982	316.00	2022.00	1165.00		417.00	3194.00	191.00	79.80	223.40	332.30	500.00	
1983	390.00	3309.00	1655.00		519.00	5032.50	304.00	113.00	445.50	1035.80		
1984	442.00	2110.00	1930.00		616.00	4603.60	274.00	113.00	413.00	626.40		
MEIA	311.00	1212.02	565.35	34.89	351.99	2120.66	191.71	94.15	228.36	354.56	461.24	71.20
PAVARAG	97.00	110.36	322.70	23.04	169.96	1112.77	56.30	17.92	81.03	172.77	156.50	41.00
COEF. VAR.	0.10	0.15	0.43	0.44	0.22	0.28	0.09	0.04	0.13	0.24	0.12	0.10

VALORES SELECIONADOS DE VAZÕES MÁXIMAS ANUAIS (m³/s)

ANO	IPOSTO 13 171490000 M3/S	IPOSTO 14 171496000 M3/S	IPOSTO 15 171498000 M3/S	IPOSTO 16 171550000 M3/S	IPOSTO 17 171800000 M3/S	IPOSTO 18 172300000 M3/S	IPOSTO 19 172400000 M3/S	IPOSTO 20 172430000 M3/S	IPOSTO 21 172580000 M3/S	IPOSTO 22 172630000 M3/S	IPOSTO 23 172680000 M3/S	IPOSTO 24 172810000 M3/S
1940												951.00
1941			594.00									1370.50
1942			310.00									953.50
1943			545.60									1124.90
1944			479.60									273.00
1945			131.00									279.00
1946			462.00									852.00
1947			470.80									443.00
1948			514.80									901.00
1949			224.00									625.00
1950			882.00									1414.00
1951			712.00									1133.00
1952			453.20	887.00								757.00
1953			753.60	1406.00								951.00
1954			618.20	2000.00								1188.00
1955			554.40	1373.00								876.00
1956			479.60	1041.60								646.00
1957			1153.60	2300.00								1133.00
1958			662.60	1230.00				363.00		1134.00		1399.50
1959			282.00	489.00				391.50	475.00	1098.00		1217.80
1960	37.55	31.20	453.20	734.00			2999.00	314.00	343.00	818.80		1011.80
1961	151.00	156.00	900.20	1780.00			374.00	413.00	580.50	1056.00		1370.50
1962	93.00	70.00	545.60	1002.60			167.00	169.00	267.80	525.80		594.00
1963	111.50	88.00	657.80	1472.00			319.00	367.00	422.50	962.80		1270.00
1964	49.00	39.80	292.80	489.00	685.00		205.00	227.50	271.00	356.60		583.00
1965	99.00	86.50	725.00	2310.00	3645.00		454.00	568.00	675.00	1590.00		1944.00
1966	154.00	96.50	638.00	1285.00	1640.00		348.00	381.50	675.00	1088.00		1215.00
1967	58.20	64.50	495.00	1450.00	1980.00		316.50	372.00	513.00	1032.00		1270.00
1968	44.20	42.00	318.00	603.00	940.00		193.00	240.50	171.00	530.00		712.00
1969	142.00	108.80	583.00	1120.00	1533.00		305.50	339.00	375.50	748.50		1001.00
1970	103.00	34.00	370.00	798.00	1150.00		300.50	315.50	393.00	887.60		1124.90
1971	104.00		680.80	1340.00	1800.00		341.50	365.00	551.00	833.20		971.00
1972	172.00		1275.20	2794.00	3330.00	5680.00	334.00	367.81	570.00	1030.00		1328.00
1973	102.50		620.40	1428.00	2040.00	4412.00	306.00	312.47	411.00	910.00		1264.60
1974	61.80		508.20	750.00	1095.00	2893.00	180.00	215.00	187.00	439.00		637.60
1975	118.50		1036.50	1824.00	2350.00	4290.00	237.00	258.50	282.20	642.00		757.00
1976	86.20		667.80	1362.00	1750.00	3358.00	236.00	268.00	341.40	630.00		818.40
1977	122.90	75.40	769.20	1780.00	2750.00		354.50	400.00	429.00	910.00		1214.00
1978	39.60	34.40	289.20	380.00	580.50		129.00	203.00	148.40	377.40		542.00
1979	78.52		628.80	1450.00	1887.20	3290.00	305.00	350.40	469.30	878.00		1079.00
1980	118.00	75.20	675.60	2000.00	2128.00	4972.00		277.00	322.20	675.00		823.20
1981	35.80	45.61	257.00	726.00	1018.00	1747.00		161.00	184.00	600.00		931.00
1982		83.20	748.40	1983.00	2300.00	5316.00	353.00	408.00	740.00	1226.00		1699.60
1983			2615.00	8499.00		8354.50		487.50	768.60	1316.00		2022.40
1984			1990.00	7267.00		7842.00		519.50	1004.00	1730.00		3018.00
MEDIA	94.65	69.93	659.65	1737.98	1821.14	4741.32	417.02	335.45	445.02	889.80		1059.78
D. PADRAO	40.52	32.57	437.19	1694.32	833.24	2016.14	596.98	100.62	209.09	340.03		480.14
COEF. VAR.	0.18	0.22	0.44	0.95	0.21	0.18	2.05	0.09	0.22	0.15		0.21

VALORES SELECCIONADOS DE VAZÕES MÁXIMAS ANUAIS (m³/s)

ANO	POSTO 25	POSTO 26	POSTO 27	POSTO 28	POSTO 29	POSTO 30	POSTO 31	POSTO 32	POSTO 33	POSTO 34	POSTO 35	POSTO 36
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940		911.80	4736.00									
1941		1776.00	9520.00							113135.00		
1942		1217.50	5994.00							6564.00		
1943		1700.00	7000.00							115004.00		
1944		267.00	1750.00							2263.00		
1945		300.00	1483.00							1688.90		
1946		1130.00	5382.00							5373.60		
1947		1415.60	3832.00							5706.00		
1948		1766.60	9240.00				177.81			11809.00		
1949		330.00	2540.00				76.77			3312.00		
1950		2528.00	14000.00	113520.00			187.00			116440.00		
1951		3240.00	2200.00				171.47			111320.00		
1952		1785.10	5952.00	5950.00	177.20		117.41			6697.00		
1953		1707.40	4263.00	8182.00	163.00		272.33			7860.00		
1954		2222.00	13000.00	13200.00	259.00					14092.40	880.00	
1955		1592.00	3000.00	9570.00	292.40		158.88			110148.00	600.00	
1956		710.00	5977.30	6700.00	259.00		110.69			6970.60		
1957		2374.00	9000.00	11540.00	336.00		236.17			12174.80	890.00	
1958		1005.00	6130.00	6802.00	190.80		255.90			7994.00	268.00	
1959		689.20	7320.00	6447.40	244.40	404.00	129.45			8020.60	157.50	
1960		710.00	7320.00	7404.30	140.00	195.00	153.77			9161.50	306.40	
1961		2003.40	11200.00	11370.00	315.00	650.00	240.71	259.13		12899.00	596.00	
1962		1520.00		5435.50	192.00	330.50	106.55	123.61		6778.90	440.00	
1963		1644.00	7750.00	8460.00	209.00	530.00	241.34	242.64		110162.50	500.00	
1964		500.30	3150.00	3602.50	94.00	118.50	147.35	152.04		4421.20	200.00	
1965		2723.00	12900.00	12050.00	234.00	420.00				126336.00	644.00	
1966		1340.00	6945.00	6802.00	202.40	395.50	275.51			3203.00		
1967		2003.40	8960.00	9822.00	222.00	430.00	268.81	300.00		12442.20	303.10	
1968		0754.00	3548.00	3670.00	160.80	210.30	88.61	100.07		4192.90	175.80	
1969		740.00	6028.00	6115.40	253.00	610.00	160.25	164.36		8468.00	336.10	
1970		320.00	4940.00	5841.50	136.50	242.50	173.01	177.94		6957.80	460.00	
1971		1966.40	8520.00	8748.00	265.50	438.00			502.50	11190.50	672.00	
1972		2976.00	11140.00	12402.00	366.00	690.00			1200.00	18720.00	1060.00	
1973		1929.50	7592.00	7842.00	104.70	372.60			1002.50	11070.00	503.00	
1974		1376.00	4480.00	4248.00	222.00	520.00			508.50	5468.00	476.00	
1975		3360.00	8220.00	8694.00	316.50	822.00			768.75	11275.00	805.00	
1976		1646.00	5756.00	5719.00	211.40	440.00			590.00	7070.00	420.00	
1977	108.00	1484.00		13327.40	203.50	204.10			520.00		349.40	225.00
1978	34.60	722.00	2540.00	4522.00	96.00	111.00			460.20	5350.00	322.90	159.40
1979	76.00	1096.00	3000.00	8574.60	193.00	660.00			687.60	9729.00	903.50	827.40
1980	62.50	1040.00	9900.00	7704.60	179.30	358.00			379.00	9974.00	310.00	216.20
1981	24.60	797.00	3156.00	3173.00	62.80	181.00				3957.50	319.60	300.00
1982	289.00	3107.00	11200.00	10652.00	202.80	381.00			1523.00	12196.00	612.00	585.00
1983	670.00	1520.00	19460.00		471.30	1936.00					1620.00	1200.00
1984	470.00	2485.00	18800.00	11540.00	229.00	500.00					897.00	942.00
MEDIA	243.00	1810.02	7944.06	9504.02	221.21	467.37	179.05	190.10	752.99	9120.44	550.11	569.41
MAIORIA	275.77	1398.12	4612.01	3655.40	80.15	351.17	62.35	70.01	362.22	4734.54	312.77	392.20
COEF. VAR.	1.20	1.60	0.34	0.18	0.13	0.56	0.12	0.14	0.23	0.27	0.32	0.37

VALORES SELECIONADOS DE VAZÕES MÁXIMAS ANUAIS (m³/s)

ANO	POSTO 37 173730000 M3/S	POSTO 38 173750000 M3/S	POSTO 39 173765000 M3/S	POSTO 40 173850000 M3/S	POSTO 41 173900000 M3/S	POSTO 42 173960000 M3/S	POSTO 43 174100000 M3/S	POSTO 44 174205000 M3/S	POSTO 45 174270000 M3/S	POSTO 46 174295000 M3/S	POSTO 47 174310000 M3/S	POSTO 48 174320000 M3/S
1940									836.00			
1941									2237.00			
1942							7264.00		1535.00			
1943							114730.00					
1944							2021.50					
1945							2015.00		256.40			
1946									2475.00			
1947							7575.00		590.00			
1948							114050.00		1715.00			
1949							3902.00		530.00			
1950							18190.00		2755.00			
1951									2120.00			
1952							8580.00		1445.00			
1953							9230.00		2475.00			
1954					270.00		117000.00		2025.00			
1955					160.00		111100.00		1625.00			
1956					210.00		7341.00		900.00			
1957					145.00		115050.00		2650.00			
1958					190.00		7000.00		1169.00			
1959					80.90		9857.00		1190.00			
1960		811.00		1136.00	125.00			174.40	2370.00			
1961		2157.00		3470.00				174.75	2510.00			
1962		1415.00		1860.00			6755.00	59.30	1190.00			
1963		1450.00		1900.00			12026.00	105.25	3150.00			
1964		575.00		824.00			4235.00	150.20	1760.00			
1965		1980.00		3130.00				212.16	3200.00			
1966		2200.00		2830.00				169.00	2075.00			310.00
1967		1090.00		1770.00			13745.00	249.74	2550.00			240.00
1968		594.00		890.00			5300.00	74.02	530.00			180.00
1969		1016.20		1356.40	270.80		11147.00	212.16	2720.00			650.00
1970	1232.00	1265.00		1515.00	202.80		9230.00	222.89	1075.00			201.20
1971	1473.00	1540.00		2330.00	207.60		12790.00	231.84	1782.50			304.00
1972	3390.00	3600.00		4750.00	278.90		121920.00	237.40	3210.00			731.20
1973	1400.00	1500.00		2700.00	234.80	2500.00	12210.00	227.32	3014.00			502.00
1974	1208.00	1274.60		1820.00	175.00	1707.40	6600.00	179.80	850.00			380.00
1975	1940.10	1947.00		3540.00	305.00	3264.00	114500.00	172.40	2138.00			790.00
1976	1715.00	1741.60		2522.20	156.40	2616.00	10684.00	164.00	1349.60			332.00
1977	1068.00	1118.20	140.00	1432.40	83.48	1520.00	117945.00	223.20	2340.50	100.76	265.00	300.00
1978	563.50		124.00	719.80	56.12	792.50		102.30	1467.50	57.50	117.00	100.00
1979			925.00	3044.00	287.80	3328.00	112708.00	246.00	2028.00	379.00	657.00	855.00
1980			202.20	910.40	70.40	1044.00	10082.00	141.20	1131.20	103.00	382.00	170.00
1981			109.80	1394.40	137.80	1574.80	4040.00	54.76	470.00		537.00	494.00
1982			640.00	2692.40	100.80	2794.00		103.20		170.40	657.00	520.40
1983			680.00	4593.80	473.00	5238.00		212.00				820.00
1984			298.00	2536.00	146.20	2794.00		243.20	2020.00	101.20	502.00	251.00
MEDIA	1564.18	1526.30	394.00	2226.67	192.33	2421.73	10403.59	181.15	1075.50	170.31	445.27	401.00
DEVIACAO	700.45	710.43	310.84	1115.67	94.96	1219.57	4841.71	57.36	865.03	111.80	202.00	205.71
COEF. VAR.	0.25	0.22	0.62	0.25	0.24	0.25	0.22	0.10	0.21	0.43	0.21	0.50

VALORES SELECCIONADOS DE VELOCIDADES MAXIMAS ANUALES (m/s)

	POSTO 49	POSTO 50	POSTO 51	POSTO 52	POSTO 53	POSTO 54	POSTO 55	POSTO 56	POSTO 57	POSTO 58	POSTO 59	POSTO 60
ANO	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S
1940												
1941												
1942				471.00	234.00		240.50		315.00			
1943				381.00	102.00		102.19		230.00		175.30	
1944				674.00	192.00		125.23		359.00		113.00	
1945				250.00	76.50		79.00		160.00		136.70	
1946				494.00	210.00		155.54		220.00		157.10	
1947				318.00	300.00		242.60		340.00		227.50	
1948				301.00	118.33		165.84		260.00		102.20	
1949				302.00	99.00		105.22		240.00		07.60	
1950				676.00	510.00		216.00		498.00		250.00	
1951				592.00	213.60		299.00		342.50		192.00	
1952				518.00	84.00		198.50		207.50		96.30	
1953				427.00	110.33		192.20		473.00		217.00	
1954				705.60	278.40		191.50		449.00		206.00	
1955				626.00	262.20		200.60		370.00		198.00	
1956				735.00	300.00		501.00		676.00		200.50	
1957				546.00	260.40		223.00		318.00		203.00	
1958				372.00	82.80		150.69		326.80		170.80	
1959				648.00	80.40		199.00		410.00		178.00	
1960				610.00	61.60		162.81		320.00		107.00	
1961				644.00	462.00		181.00		566.80		220.00	
1962				670.00	44.60		177.97		170.00		46.72	
1963				861.50			315.00		493.40		172.00	
1964	348.60			580.00	200.80	119.00	230.00		306.00	82.30	143.00	
1965	685.00		402.00	889.00	376.50	151.00	390.00		389.60	129.00	227.00	
1966	587.50		331.00	623.00	198.00	119.00	104.50		345.50	115.00	167.00	
1967	685.00		402.00	702.00	246.00	69.00	160.38		374.00	122.00	193.50	
1968	265.50		237.50	367.50	241.20	211.50	156.75		150.50	40.05	124.70	
1969	1026.00		672.00	834.00	269.40	152.10	144.63		179.00	150.00	159.20	
1970	468.00		328.80	540.00	258.60	151.00	290.00	459.33	338.20	49.00	113.00	
1971	487.00		254.00	530.00	356.70	118.10	172.20	502.50	347.00	111.70	215.50	
1972	1114.00		750.00	999.00	510.00	169.70	306.00	651.00	920.00	225.00	245.20	
1973	825.60		340.00	757.00	319.50	162.00	101.00	434.10	409.00	177.00	205.60	
1974	652.00		446.40	442.20	266.00	155.40	181.00	466.50	361.00	135.80	206.50	
1975	676.00		476.00	635.00	383.00	272.60	266.00	552.00	438.00	79.10	163.00	176.00
1976	541.00	69.10	389.00	579.00	333.00	89.00	187.60	315.00	379.50	76.56	160.20	170.00
1977	498.70	71.91	379.40	626.50	298.00	77.80	232.00	308.00	670.00	147.00	127.50	142.60
1978	386.00	50.10	331.40	492.00	240.00	62.40	185.20	237.00	315.00	84.50	196.00	244.50
1979	963.60	67.84	795.00	937.00	510.00	283.10	286.50	401.00	603.00	185.00	220.00	275.00
1980	651.40	64.10	511.00	801.00	359.00	206.40	250.00	320.00	434.00	105.00		105.00
1981	233.00	21.44	172.00	272.00	155.40	05.40	116.00	225.00	158.70	70.50	134.00	135.00
1982	725.60	71.00	632.30	797.00	293.20	191.00	211.40	335.00		101.60	216.00	260.00
1983	950.00	68.60	689.30	844.00	446.40	207.50	250.20	351.00				
1984	917.40	69.24	761.00	877.60	510.00	271.40	217.00	361.50				
MEDIA	452.71	62.05	465.41	607.17	258.78	159.26	210.49	395.10	378.60	119.25	176.02	200.50
DEVIACION	249.45	14.80	188.16	190.07	132.69	65.57	76.97	116.97	159.94	49.83	46.45	50.12
COEF. VAR.	0.55	0.06	0.16	0.10	0.26	0.17	0.13	0.09	0.10	0.17	0.07	0.25

VALORES SELECIONADOS DE VAZÕES MÁXIMAS ANUAIS (m³/s)

ANO	POSTO 51 M3/S	POSTO 62 M3/S	POSTO 63 M3/S	POSTO 64 M3/S	POSTO 65 M3/S	POSTO 66 M3/S	POSTO 67 M3/S	POSTO 68 M3/S	POSTO 69 M3/S	POSTO 70 M3/S	POSTO 71 M3/S	POSTO 72 M3/S
1940												
1941												
1942	751.00				1045.00		2100.00		1439.20			
1943	572.00						633.00		1236.50			
1944	692.20						680.40		1181.60			
1945	464.20						630.00		1074.50			
1946	578.40				715.00		638.40		740.50			
1947	885.20				945.00		1112.00		1398.50			
1948	763.00				630.00		980.00		903.40			
1949	529.00				226.00		472.00		277.00			
1950	1108.00				664.00		680.00		534.00			
1951	951.10				347.00		1050.80		684.50			
1952	614.00				197.00		471.20		330.00			
1953	1040.00				805.00		1186.00		766.50			
1954	997.10				681.00		1380.00		1203.20			
1955	775.00				795.00		1040.00		1507.50			
1956	1278.60				417.00		920.00		1138.50	723.00		
1957	712.50				439.40	912.00	721.60		935.70	630.00		
1958	721.80				715.00	1016.00	712.00		1283.20	1015.00		
1959	856.00			1402.00	945.00	2040.00	2150.00		1370.00	1052.00		733.00
1960	578.00			971.00	232.40	360.00	478.00		832.60	630.00		571.00
1961	1102.70			2250.00	945.00	1930.00	1288.00		1061.40			1023.00
1962	225.00			274.00	135.00	316.00	399.50		224.00			641.00
1963	974.50			1677.00	930.00	1650.00	1650.00		896.80	903.00		733.00
1964	797.40			1261.60	293.00	409.10	684.30		446.60	394.20		542.00
1965	1095.40			1798.80	700.00	1500.00	1810.00		1138.50			1230.00
1966	697.00			1155.00	405.00	596.20	790.00		896.80			1092.00
1967	859.30			1393.60	473.00	803.50	860.00			638.60		991.00
1968	300.40	176.00		513.00	395.00	746.30	890.00		302.00	314.00	926.00	278.00
1969	478.00	116.00		931.00	310.50	499.50	760.00		726.00	579.50	609.20	612.00
1970	728.00	143.50		987.00	322.00	567.50	820.00		506.00	512.00	1516.40	714.00
1971	787.80	874.00		1427.20	684.40	1214.00	1300.00		893.50	615.60	860.00	710.00
1972	1989.50	874.00		4566.00	715.00	1708.00	2633.00		1065.70	790.60	3252.80	1616.00
1973	967.50	247.00		1932.60	1230.00	1930.00	1900.00		1445.30	908.00	3374.00	1514.50
1974	859.30	426.00		1319.00	625.00	1256.00	1350.00		712.00	463.00	910.00	673.40
1975	800.60	126.00	345.50	1187.80	341.70	536.80	790.00		726.00	530.00	1479.20	446.00
1976	559.60	315.00	440.00	913.00	190.00	540.30	535.60		886.90	576.60	1510.20	956.00
1977	816.70		357.00	1111.00	357.00		471.20	299.00	642.50		2066.00	375.00
1978	652.50		880.00	1613.90	681.00	2032.00	2163.00	329.20	950.70	703.00	1614.00	
1979	1214.00		770.80	2300.00	566.00	1698.00	1538.00	412.40	978.20	808.20	1587.00	978.00
1980	714.00		571.00	1212.40	630.00	970.80	625.60	380.40	845.00	588.20	2537.00	1156.40
1981	343.00		224.60	624.00	210.00	537.70	826.00	620.00	362.20	314.00	915.80	251.00
1982	1415.00		838.00	2020.10	1590.00	2160.00	1715.20		1226.30	1262.50	2220.00	1100.60
1983									954.30	630.00	2478.00	2030.60
1984											2038.00	3797.00
MDIA	808.44	366.39	551.86	1447.98	602.06	1124.99	1006.71	408.20	902.25	621.83	1799.67	996.20
MD.QUADRO	217.63	304.59	247.86	841.20	319.51	620.01	567.41	126.31	344.05	237.53	869.29	728.40
COEF. VAR.	0.15	0.69	0.20	0.34	0.28	0.30	0.27	0.10	0.15	0.12	0.23	0.53

VALORES SELECCIONADOS DE VAZDES MAXIMAS ANUAIS (M3/S)

ANO	POSTO 75	POSTO 76	POSTO 77	POSTO 78	POSTO 79	POSTO 80	POSTO 81	POSTO 82	POSTO 83	POSTO 84	POSTO 85	POSTO 86
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940												
1941								1372.00			312.50	1678.00
1942								1180.90			590.00	805.00
1943								548.00			247.75	454.00
1944								1229.40			670.00	768.00
1945								673.00			365.00	519.00
1946								1126.80			770.20	674.00
1947								1320.00			465.00	540.00
1948								1145.20	112300.20		545.00	620.00
1949								1257.90			315.00	414.00
1950								743.80			1155.00	1495.00
1951								796.70			232.00	346.00
1952		2360.00						1050.40			260.00	350.00
1953								1237.20	119457.00		655.00	905.00
1954								1159.00	120552.60		675.00	1105.00
1955								653.60			455.00	600.00
1956		1755.00						671.50	2014.00	111700.00	1019.00	1525.00
1957	1007.10	1515.00						795.00	1025.00	113619.00	700.00	705.00
1958	797.50							1269.40	3240.80		570.00	1002.00
1959	1251.00							1773.00	8958.00		853.40	1073.00
1960	1072.70							1024.00	3894.00		372.50	607.00
1961	1142.20							1277.00	4509.00		824.00	1024.00
1962	627.00				529.00			1103.80	2163.20	9362.20	99.00	102.00
1963	1077.00				359.50			1302.50	6492.00	123533.40		868.00
1964	537.40	1008.50			389.00			470.80	1310.00	9362.20		614.00
1965	1408.50	2795.00			477.00			740.00	5152.50	121728.00	975.60	1068.00
1966	1296.50				703.00				6727.20	114364.40	915.80	1002.00
1967	1205.30	2341.00			470.00			685.00	3359.00	117273.00	721.00	1224.00
1968	580.00			1384.20	180.50			472.00	1956.00	7065.00	171.00	310.00
1969	1151.80	1876.80		1893.60	530.40			670.00	2756.80	114191.00	187.00	270.50
1970	820.00	2169.00			365.00			766.20	3028.00	112612.00	377.50	616.00
1971	857.10	1842.00	110.40	1760.40	425.00			703.00	2320.60	114018.80		609.00
1972	2081.80	3335.00	130.00	3440.40	795.00			1145.20	4645.60	125506.00		1498.00
1973	1866.00	4164.60	154.50	4487.20	680.00			1400.00	5699.00	117205.00	744.20	1002.00
1974	686.20	1319.50	31.15	3540.80	199.40			454.00	1667.40	9493.00		1002.00
1975	723.60	1791.60	82.00	1772.30	546.40			562.00	2628.00	114400.00	520.00	674.00
1976	977.00	2657.60	76.90	2615.40	600.00			772.60	3557.10	112175.20	672.50	1016.60
1977	810.00		77.50	2865.00	451.00			1131.40	3717.20	112777.00	645.00	795.00
1978	680.00		167.00	2117.00	1750.00	419.00	383.20	1050.40	3927.80		655.00	692.10
1979	1407.60			4543.00	858.00	527.00		1079.00	6200.00	122310.00	718.40	1202.40
1980	1356.60	2434.20	100.90	2013.80	600.00	596.00	284.40	1002.00	4089.00	113761.50	512.50	785.00
1981	419.20	1370.00	37.20	1147.00	194.20	471.40	129.10	731.00		6250.40	255.00	390.00
1982		3995.40		3973.60	858.00	604.00	470.20	1015.20		121657.00	1126.40	1501.00
1983	1402.60		106.60	3502.00	1424.00	772.50	721.00	1076.80	5070.00	132168.00		1503.00
1984						493.00	343.00	1122.20				1726.00
ME DIA	1026.12	2293.42	78.38	2759.28	613.29	554.81	388.48	976.63	3901.62	115808.10	588.35	887.50
COEF. CORR.	0.20	0.15	0.20	0.16	0.27	0.04	0.26	0.09	0.23	0.15	0.23	0.22

VALORES SILLICIONADOS DE VAZÕES MÁXIMAS ANUAIS (m3/s)

	POSTO 87	POSTO 88	POSTO 89	POSTO 90	POSTO 92	POSTO 93	POSTO 94	POSTO 95	POSTO 96	POSTO 97	POSTO 98	POSTO 99
ANO	185150000	185180000	185220000	185240000	185340000	185360000	185380000	185385000	185395000	185438000	185470000	185480000
	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s
1940												
1941					978.18							
1942					530.21							
1943	42.67				240.46							
1944					194.29							
1945					311.32							
1946	45.63				237.06							
1947	52.04				237.06							
1948	55.32				106.14							
1949					102.08							
1950					498.02							
1951	36.41											
1952	29.38				181.36							
1953	76.32						676.60					
1954	90.92						916.20					
1955	54.50											
1956	121.20											
1957	61.53						414.39					
1958		200.46					683.80					
1959	79.84	170.00	1128.00				720.40					
1960	49.06	130.04	875.70	129.78			235.88					
1961	81.92	229.05	1344.20				600.10					
1962	11.74	43.50	158.50	49.47			192.42					
1963	61.67	161.40	1049.23	112.96			362.46					
1964	47.47	132.16	860.34	84.38			290.07					
1965	77.52	143.80	1220.00	117.60			452.00					
1966	71.30	141.99	1137.23	101.56			440.40					
1967	87.51	154.45	1291.60	122.40								
1968	18.59	65.00	376.10	44.49		525.27		657.24			117.00	
1969	20.59	52.00	410.90	59.10		706.42	282.45	1081.03			265.50	
1970	44.86	131.60				1156.51	495.50	1999.01	2041.30		208.00	188.00
1971		197.50				734.31	659.60	2279.15	2534.94		140.40	181.00
1972		293.20				3109.16	544.00	4333.81	4763.10		572.00	690.20
1973		197.50					742.70	2065.11	2893.74		509.00	930.60
1974		199.20					870.00	1927.51	1771.91		242.40	308.70
1975		188.40					375.15	2366.56	2332.65		227.80	292.80
1976		112.00					376.60	1407.56	1523.82		671.40	368.40
1977		169.06						1842.10	1921.45			466.10
1978		183.20					100.18	1025.45	993.97		190.20	275.40
1979		250.35					436.80	3974.35	4305.23	221.00	340.60	702.20
1980		128.00					385.30	1620.43	1636.23	56.40	603.40	512.20
1981		67.00					353.57	1057.09	798.42	112.20	275.00	200.00
1982		229.70					718.00	4111.10	4158.85	392.00	614.20	740.50
1983		243.20					646.00	4361.96	4305.23			451.10
1984		203.20					1126.20		5476.75			
MEIA	50.44	110.06	901.07	21.31	365.11	1246.33	534.62	2307.34	2777.17	195.40	356.64	456.72
COMPARAO	25.40	66.56	409.90	33.06	237.44	1066.75	242.38	1260.56	1450.60	147.82	194.50	200.50
COEF. VAR.	0.19	0.16	0.21	0.13	0.42	0.73	0.21	0.30	0.27	0.57	0.30	0.20

VALORES SELECIONADOS DE VAZÕES MÁXIMAS ANUAIS (m³/s)

ANO	POSTO 100	POSTO 101	POSTO 102	POSTO 103	POSTO 104	POSTO 105	POSTO 106	POSTO 107	POSTO 108	POSTO 109	POSTO 110	POSTO 111
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940	760.00						5945.50					
1941				388.40			10454.00		1425.00			702.00
1942	1086.00					104.50	6555.00		1836.00			502.00
1943	182.00			193.00		90.00	2397.00		273.00			175.00
1944	881.50			234.00			3386.00		536.40			126.00
1945	546.00			195.00			3169.00		419.00			242.50
1946	962.00			210.60			3197.40	15.37	430.00			321.20
1947	866.80			163.50			2408.60	27.67	778.60	52.44		373.00
1948	528.20	198.00		164.00			2128.00	22.26	650.80	60.49		328.00
1949	525.10	186.20		172.00			2170.00	25.31	430.00	60.15		457.00
1950	542.20	150.00		160.50		133.00	2146.80	36.00	1043.80	61.27		604.00
1951	344.40	246.00		190.80		136.00	1883.00	17.55	482.40	54.31		360.40
1952	840.40	322.00		148.00		103.50	2796.50	18.46	524.40	21.24		175.00
1953	921.50	216.00		250.20		160.00	7036.40	45.00	1578.00	54.69		670.00
1954	1119.00	339.00				111.50	5214.80	53.10	1725.00	92.18		539.00
1955	311.30	141.00						34.80	854.00	42.04		750.00
1956	371.50	270.00						36.80	1421.00	94.50		987.00
1957	838.00	335.80						46.00	906.00	82.68		416.30
1958	1062.00	383.80						33.60	997.00	54.31		560.40
1959	1065.00	451.00						57.76	776.00	117.32		802.00
1960	782.30	300.60						19.83	397.00	55.07		460.00
1961	954.20	258.00						28.29	776.00	81.35		452.40
1962	344.40	183.00						11.10	355.00	27.69		166.00
1963	1047.40	339.00						38.40	644.40	102.54		624.00
1964	400.00	141.00				116.00	2020.20	22.26	441.00	56.22		238.50
1965	835.60	323.00					5967.30	62.42	1425.00	71.71		908.00
1966	1030.00					211.00	5444.00	28.29	750.00	60.49		410.60
1967	723.00					217.30	5423.00	57.76	917.00	121.70		715.80
1968	243.30					104.90	1550.50	15.37	355.00	35.70		152.00
1969	525.10					164.00	2357.30	19.83	835.30	27.69		165.00
1970	527.00					170.00	3247.20	29.52	678.00	80.92		376.00
1971	471.20					200.50	3290.40	18.00	702.00	42.38		296.00
1972	1233.00					186.00	5486.00	42.80	919.00	71.03		593.60
1973	1035.80					174.00	5370.50	39.20	776.00	66.60		706.40
1974	422.60					202.60	2385.00	115.01	1069.80	106.33		461.90
1975	593.60					174.00	3629.80	45.00	648.00	81.40		539.00
1976	562.80					166.00	2751.20	40.00	570.00	71.43		857.00
1977	1267.00		345.00			178.00	4105.00	56.21	810.00	75.30		624.00
1978	364.00		130.00			178.00		19.83	212.00	35.49		212.00
1979	1150.40			197.80		170.00	4427.20	17.09	281.00	36.92		395.80
1980	403.40		146.80			195.00		85.41	545.00	75.30		754.00
1981	376.40					197.80		23.27	560.40	44.61		352.60
1982	1161.70		264.00			206.20		81.43	582.00	102.04		482.00
1983	773.00		161.00			215.40		49.00		68.65		
1984								50.00		81.76		
MEIA	712.80	261.36	210.36	205.80	202.44	151.37	3927.84	38.33	755.95	67.27		484.56
DO PARANÁ	204.57	95.69	91.47	65.16	8.37	47.43	1968.10	21.87	350.81	25.30		209.47
DO T. MAR.	0.10	0.10	0.19	0.10	0.00	0.10	0.25	0.33	0.20	0.14		0.24

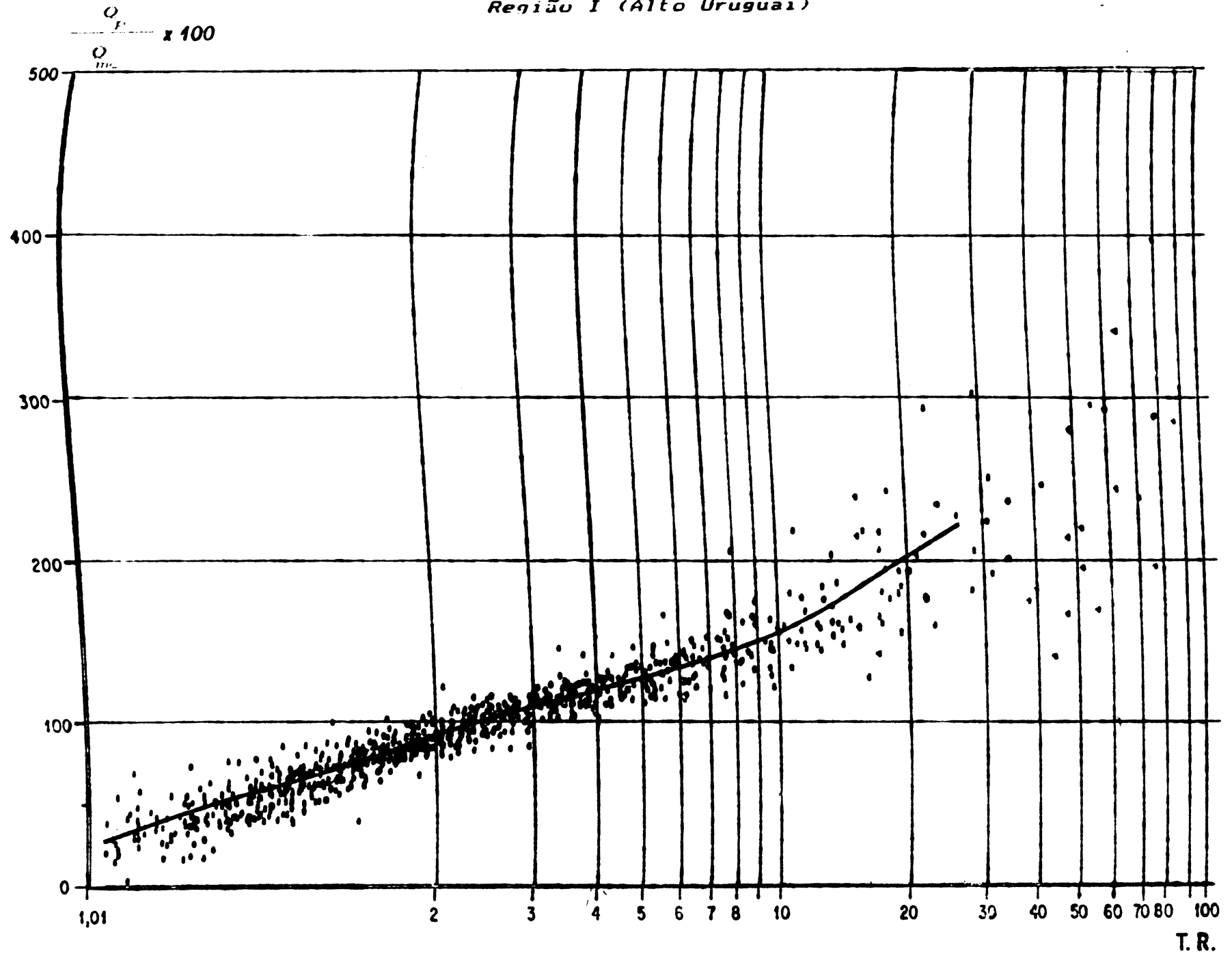
VALORES SELECIONADOS DE VAZUES MAXIMAS ANUAIS (m3/s)

ANO	POSTO 112	POSTO 113	POSTO 114	POSTO 115	POSTO 116	POSTO 117	POSTO 118	POSTO 119	POSTO 120	POSTO 121	POSTO 122	POSTO 123
	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S	M3/S
1940				1056.00		871.80					222.00	
1941				1796.00	9220.00	2246.50					497.60	
1942				819.50	5300.00	1713.60					335.00	
1943				531.00	1917.00	312.60					190.40	
1944				487.20	3940.00	1206.50	350.00				510.80	1205.24
1945				498.30	3263.00		272.00				220.20	850.20
1946				2321.00	11761.60	502.50	574.00				216.00	1205.24
1947				368.00	2494.20	434.00	200.00				229.60	1362.01
1948				695.00	4415.20	632.00	149.00			110.02	188.00	2010.05
1949				543.00	3506.00	659.00	257.00			109.52	415.00	
1950				1778.40	8590.00	1220.00	466.00			97.02	155.50	
1951				485.00	3160.40	505.00	120.20			104.27	262.00	918.89
1952				350.00	1929.90	307.00	48.80			106.52	188.00	2391.65
1953				695.00	6320.00	1527.10	484.00			103.02	390.00	1664.10
1954				1222.90	5790.00	2246.50	484.00			115.52	547.70	2649.21
1955				834.00	4250.20	568.60	70.40			87.02	273.00	1141.27
1956				1392.00	11496.60					112.52	740.00	1210.41
1957	1110.60		557.00	805.00	6256.00	990.80				103.52	410.00	1735.67
1958	1443.00		506.00	1197.00	6032.00	954.00		724.00		103.52	725.00	2023.61
1959	1005.00		590.00	860.10	9175.00	1197.60	668.20	1274.00		98.52	476.00	
1960	917.00		531.50	860.10	6200.00	1097.60	122.00	501.75		110.77		2168.49
1961	1523.20	139.00	857.10	1440.20	6664.00	1152.00	398.40			101.27		1237.67
1962	216.50	27.00	133.40	171.30	881.00	151.20	26.40	630.00		90.77		2043.73
1963	874.00	76.50	485.00	636.80	5934.30	1018.00	122.00	545.25	14.88	105.77		1767.24
1964	461.50	64.44	265.40	480.60	3569.80	468.40	179.00		25.68	85.27		
1965	2726.00	195.00	1007.00	1412.00	11496.60	1495.00	325.80		29.23	104.27		
1966	1053.00	87.00	879.50	974.00	5163.50	1559.60	220.00		14.88	112.27		
1967	1296.00	163.00	573.50	851.40	8860.00	2305.00			25.68	79.27		
1968	304.50	44.40	215.00	312.00	2180.30	473.60	122.00		17.71	84.27		552.29
1969	536.60	63.51	359.00	331.00	2532.80	458.00	128.00		12.00	100.77	440.30	1044.83
1970	667.00	74.46	375.80	555.00	3265.00	564.00	345.00	501.75	19.83	105.77	359.00	
1971	852.50	73.44	482.00	562.20	4428.00	1227.20	607.00	1574.20		112.02	440.30	954.79
1972	1345.00	151.00	660.00	749.00	7889.40	1333.50	306.60	835.00	23.91	88.02	317.50	
1973	807.50	76.50	471.50	567.00	5837.40	1249.50	206.00	1392.40	28.35		321.00	2821.03
1974	461.50	50.70	438.50	519.00	3155.20	656.00	567.40	1085.80	30.12		229.90	2234.26
1975	788.00	90.00	506.00	673.40	5020.60	808.20	206.00	474.00	23.02		363.00	1306.02
1976	895.50	69.36	315.00	452.00	6800.00	961.00	208.80	437.20	23.02			1896.21
1977	1648.00	132.00	620.00	948.40	7863.60	1170.20	220.00	410.60	18.42		295.30	2561.68
1978	409.00	76.50	398.20	433.10	3405.50	1097.60	159.50	314.00	23.91		244.40	
1979	687.00	105.70	536.00	1544.10	4348.80	913.00	316.20	497.40	23.02		198.00	2439.83
1980	911.00	109.00	551.00		7329.20	1137.20	429.00	709.60	23.02		415.00	2594.60
1981	533.00	98.00	772.00		3966.00	656.00	420.50	439.10	28.35		375.00	1021.79
1982	1276.90	139.00	990.00		8414.00	1923.80	538.60	1131.70			519.20	1746.15
1983									23.02		541.80	2407.73
1984									24.80			2812.53
TOTA	954.61	96.11	541.67	830.18	5576.19	1025.87	294.79	748.76	22.64	101.26	360.63	1742.80
ADRAD	526.55	42.02	220.68	472.97	2734.59	539.06	174.07	379.93	5.00	10.09	149.33	655.70
EF. VAR.	0.30	0.19	0.17	0.32	0.24	0.28	0.35	0.26	0.05	0.01	0.17	0.14

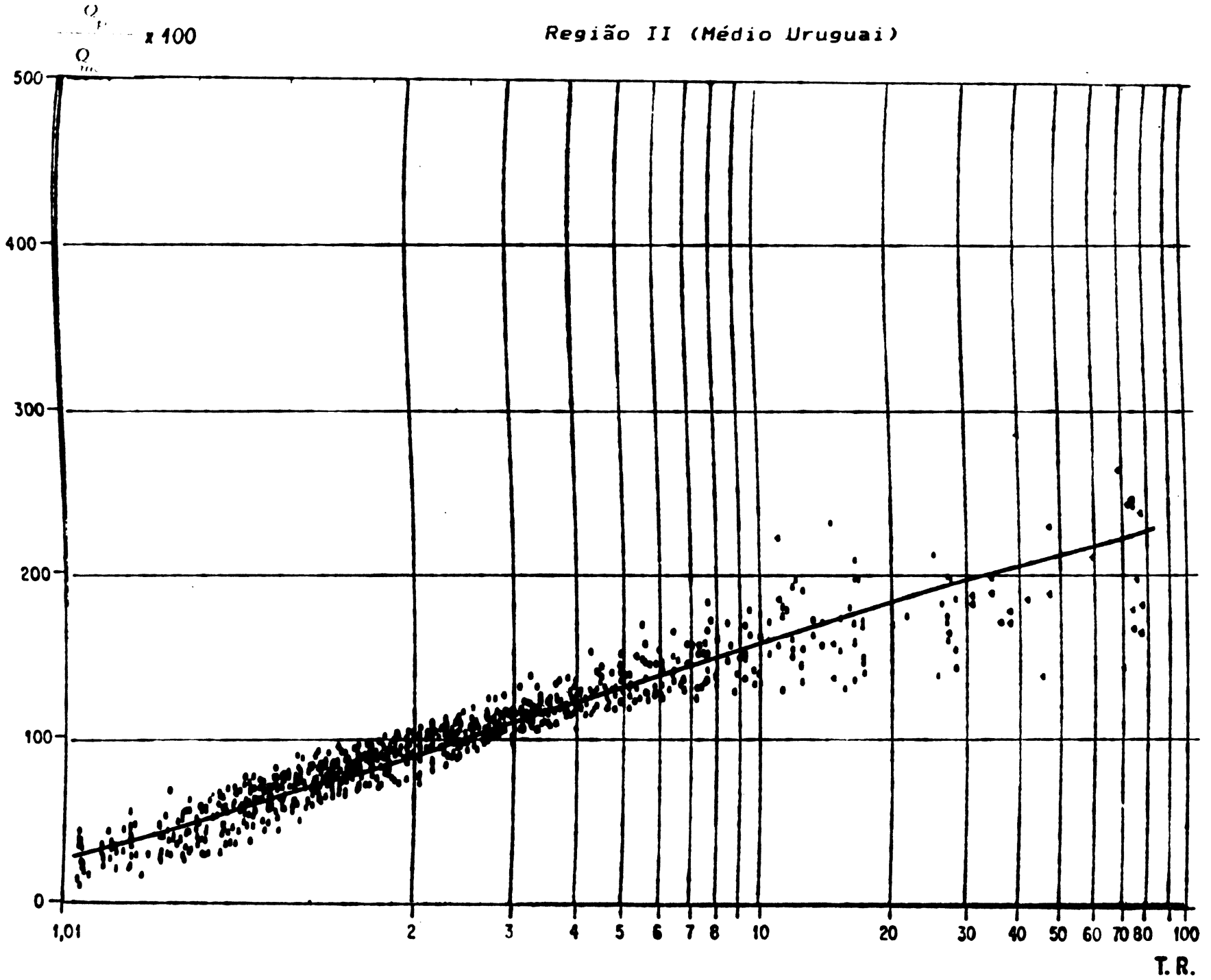
ANO	POSTO 124 M3/S	POSTO 125 M3/S	POSTO 126 M3/S
1940			
1941			
1942			
1943			
1944			
1945			
1946			
1947			
1948			
1949		48.90	
1950		62.34	
1951		49.26	
1952		49.29	
1953			
1954			
1955		75.92	
1956		66.54	
1957		102.06	
1958			
1959			
1960			
1961			
1962			
1963			
1964			
1965			
1966			
1967			
1968			
1969	1924.00		
1970			
1971	1510.00		
1972	3925.00		
1973	3305.00		50.83
1974	4030.00		42.10
1975	2520.40		34.05
1976			52.86
1977			48.54
1978	2330.00		15.48
1979	2075.00		47.41
1980	2564.00		60.74
1981	1808.00		51.40
1982	2017.00		59.72
1983	2907.50		45.17
1984	4120.00		58.51
MEGTA	2768.72	67.76	47.81
COEF. PADRAO	867.72	18.14	12.48
COEF. VAR.	0.10	0.07	0.07

ANEXO C2 - Ajuste das curvas adimensionais aos pontos

Região I (Alto Uruguai)



Região II (Médio Uruguai)



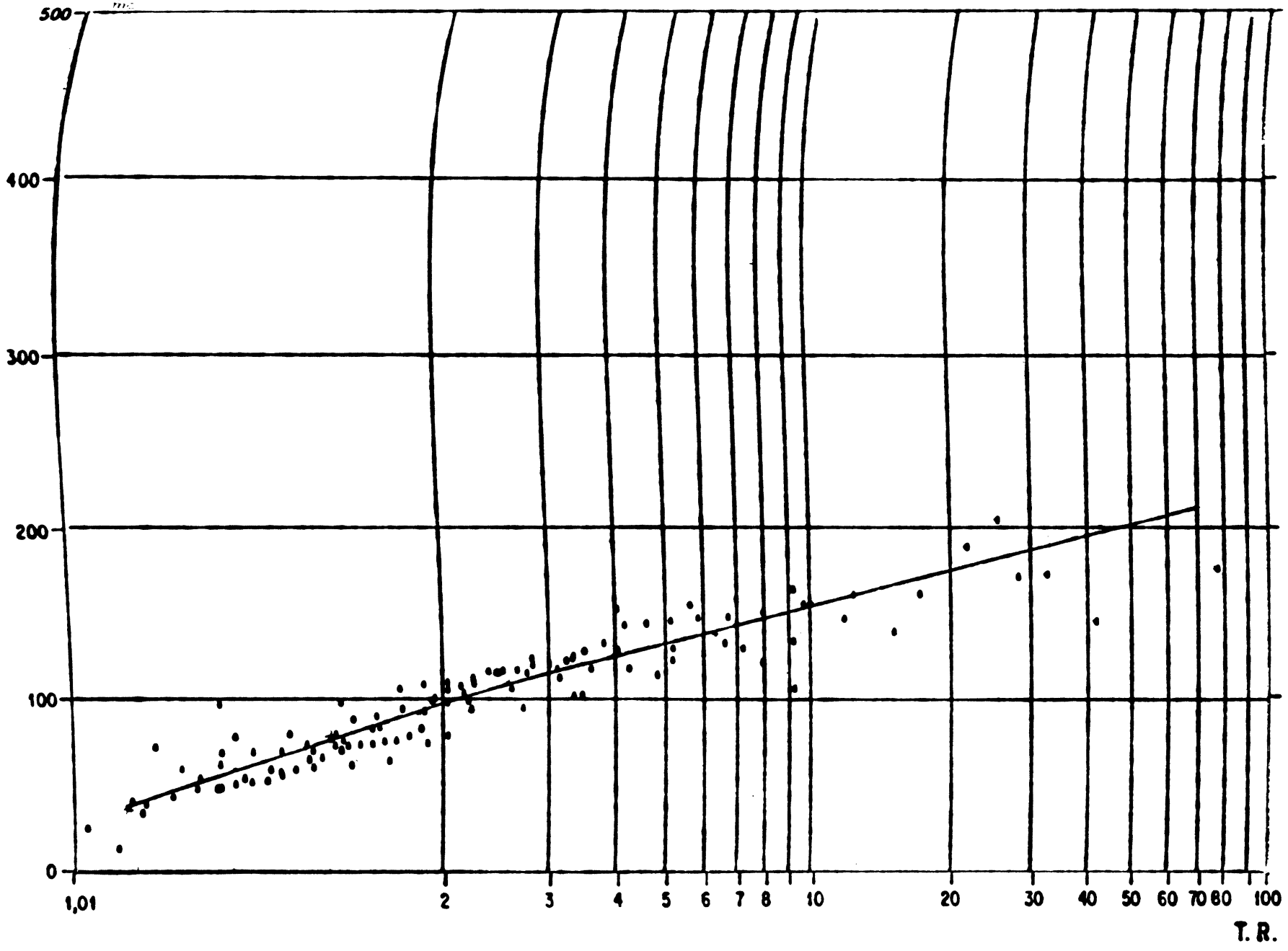
$\times 400$

T. R.

02 - 2

Região III (Alto Jacuí)

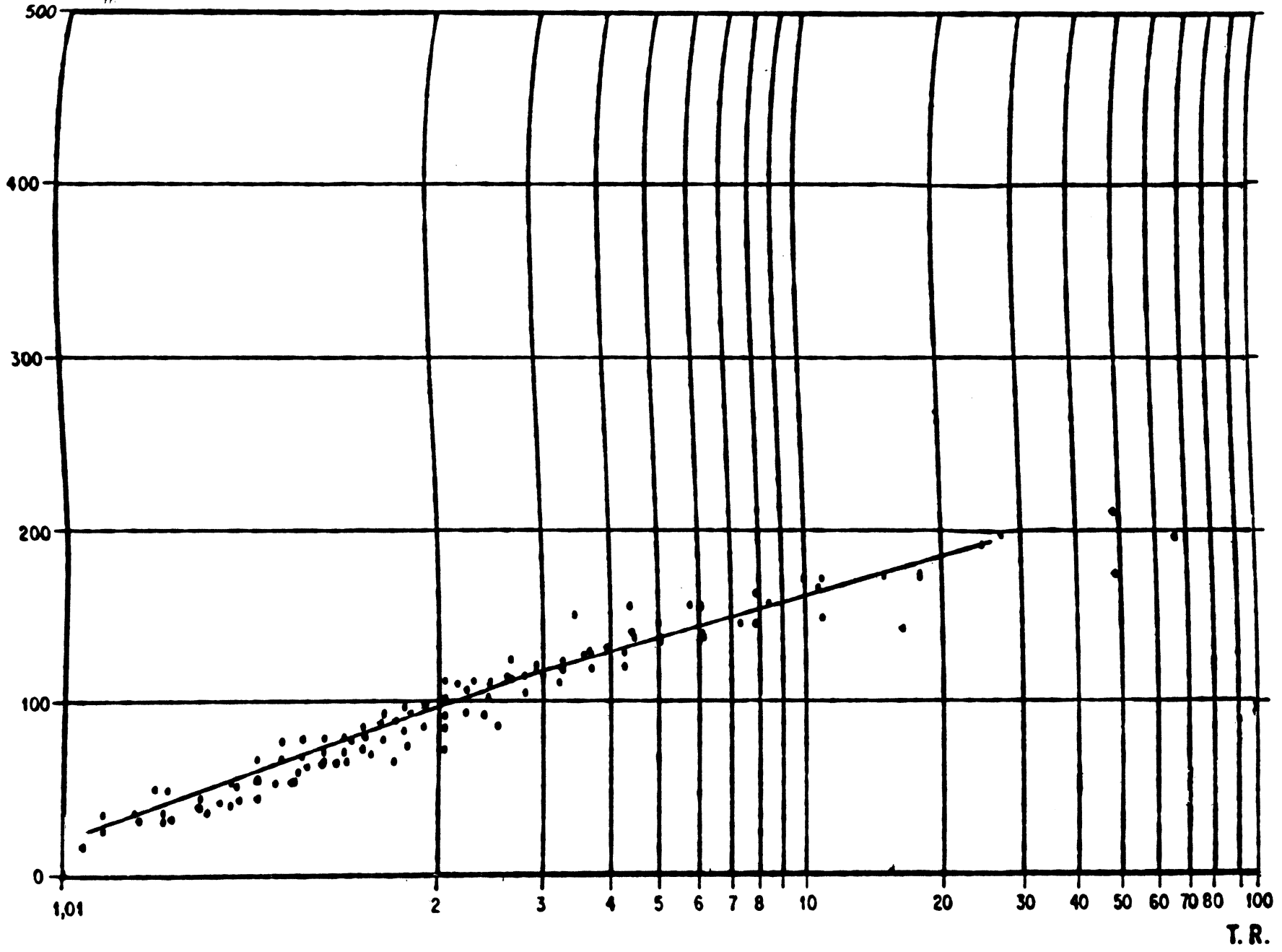
$\frac{Q}{m^3} \times 100$



02 - 3

$\frac{Q}{P} \times 100$

Região IV (Médio Jacuí e Vacacaí)

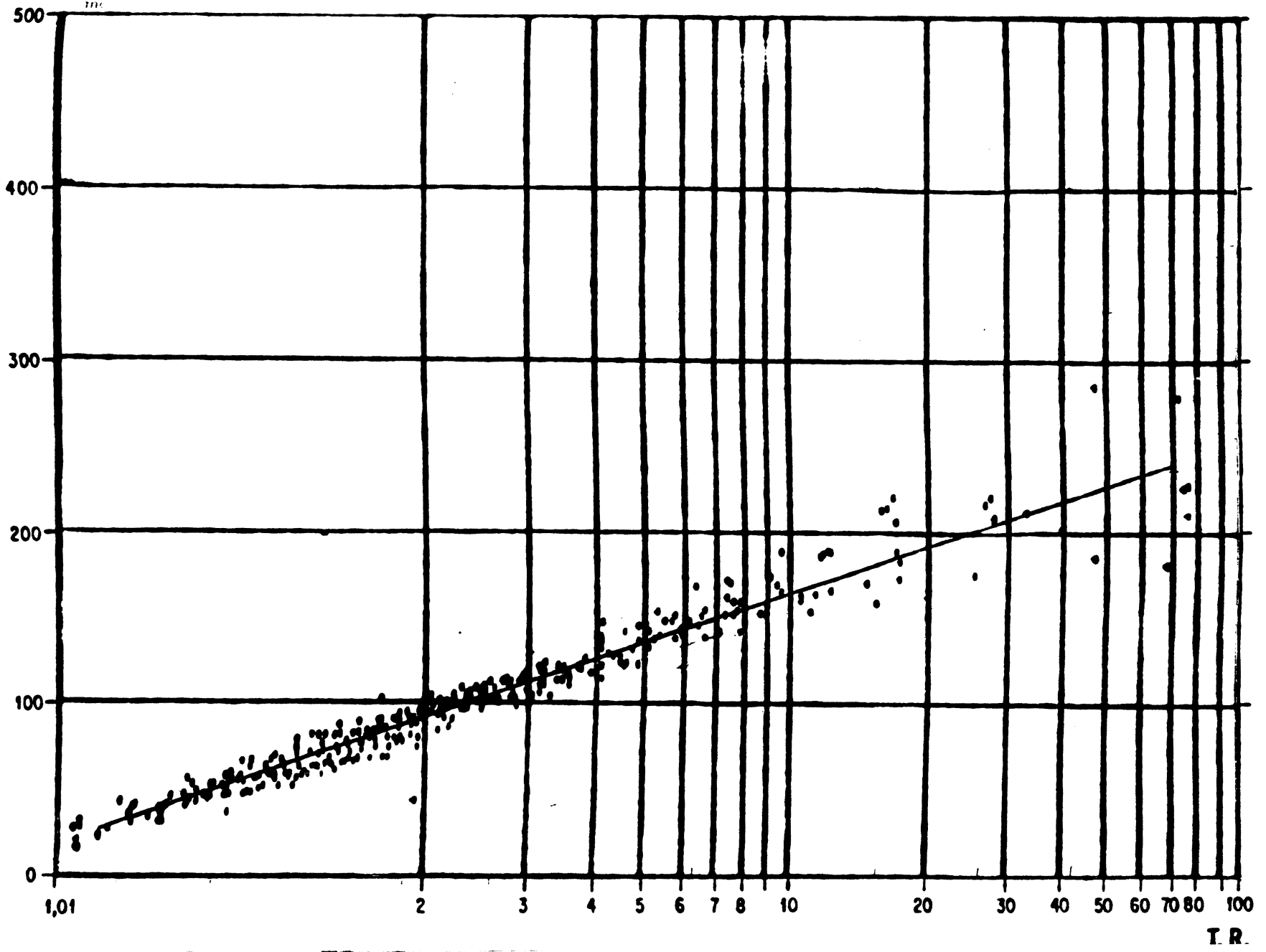


12 - 4

T. R.

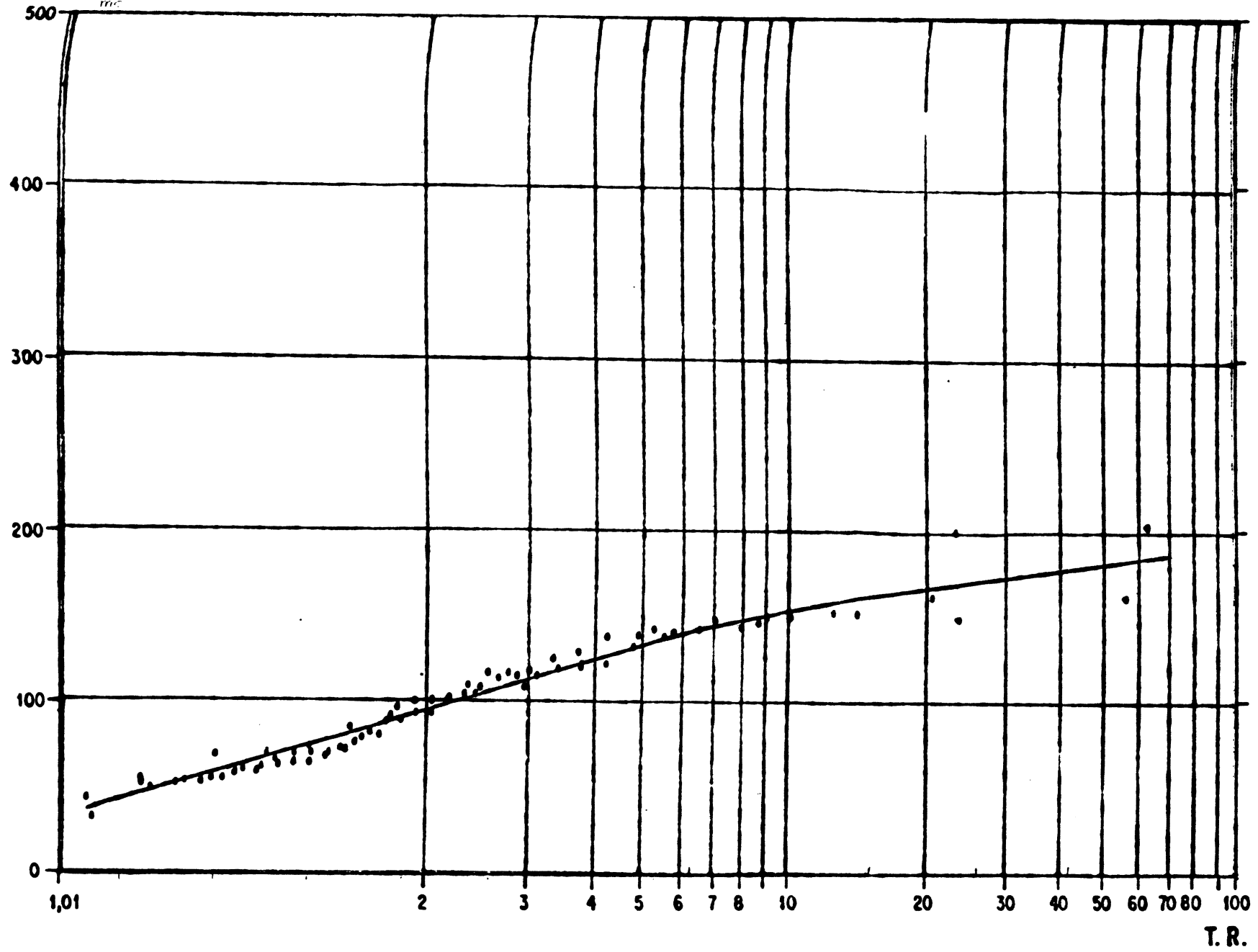
$\frac{Q_p}{Q_{mc}} \times 100$

Região V (Rio Taquari)



$$\frac{Q_P}{Q_{TTC}} \times 100$$

Região VI (Guaíba e Lagoas)



T. R.

02 - 6

ANEXO C3 - Resultados de extrapolação das curvas adimensionais

RESULTADOS DA EXTRAPOLACAO - VAZAO MAXIMA

REGIAO I

y	Q/Qmax	Tr
3.00 - 3.50	2.10	25.00
3.50 - 4.00	2.46	42.02
4.00 - 4.50	3.00	69.60
4.50 - 5.00	3.20	155.00
5.00 - 6.00	3.68	244.00

REGIAO IV

y	Q/Qmax	Tr
3.49	1.73	33.14
3.74	1.76	42.45
4.07	1.89	59.03
4.57	2.04	96.87
5.60	2.66	269.86

REGIAO II

y	Q/Qmax	Tr
3.50 - 4.00	2.01	47.10
4.00 - 4.50	2.14	75.95
4.50 - 5.00	2.35	131.86
5.00 - 5.50	2.43	204.56
5.50 - 6.00	3.33	356.47
6.00 - 6.50	2.53	489.50

REGIAO V

y	Q/Qmax	Tr
4.52	2.27	92.57
4.77	2.28	118.57
5.10	2.80	164.89
5.60	2.86	270.59
6.62	3.00	753.79

REGIAO III

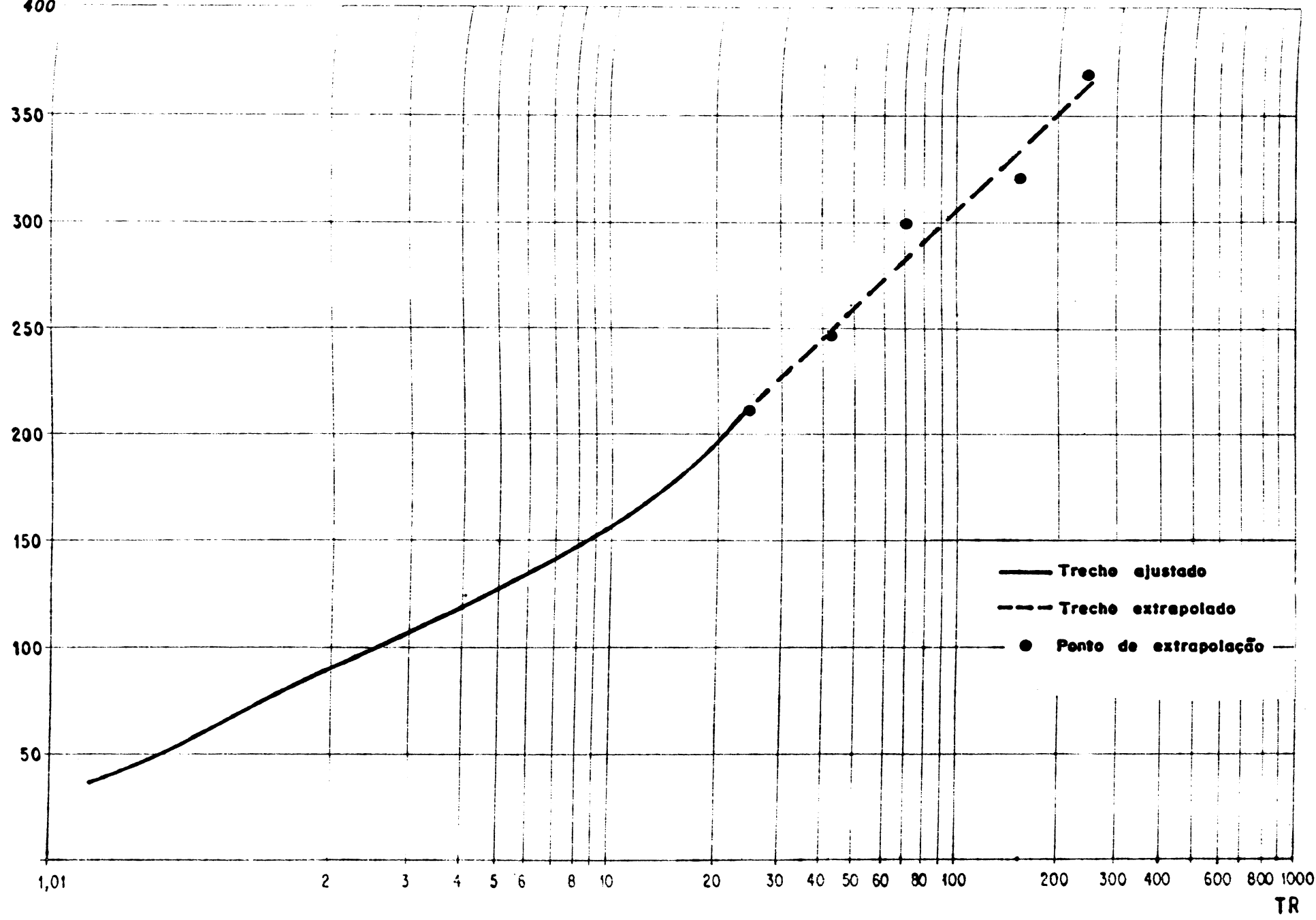
y	Q/Qmax	Tr
3.49	1.94	33.36
3.74	2.07	42.73
4.08	2.11	59.42
4.57	2.18	97.51
5.60	2.68	271.64

REGIAO VI

y	Q/Qmax	Tr
2.81	1.52	17.13
3.07	1.61	21.94
3.40	1.62	30.52
3.90	2.01	50.08
4.93	2.05	139.50

REGIÃO I

$\frac{Q}{Q_{trc}}$
 $\times 100$
400

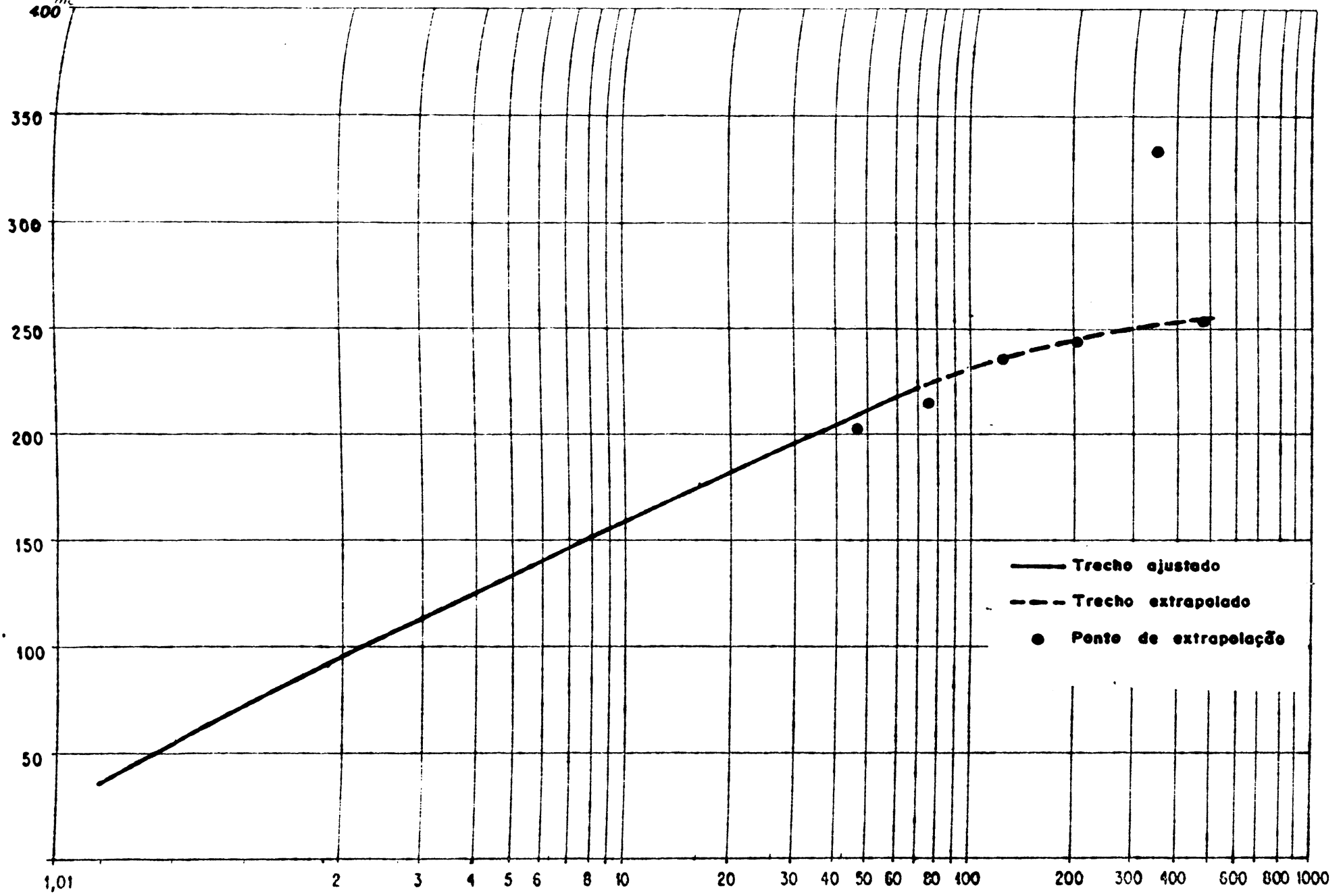


— Trecho ajustado
- - - Trecho extrapolado
● Ponto de extrapolação

03 - 2

REGIÃO II

$\frac{Q}{T} \times 100$
400

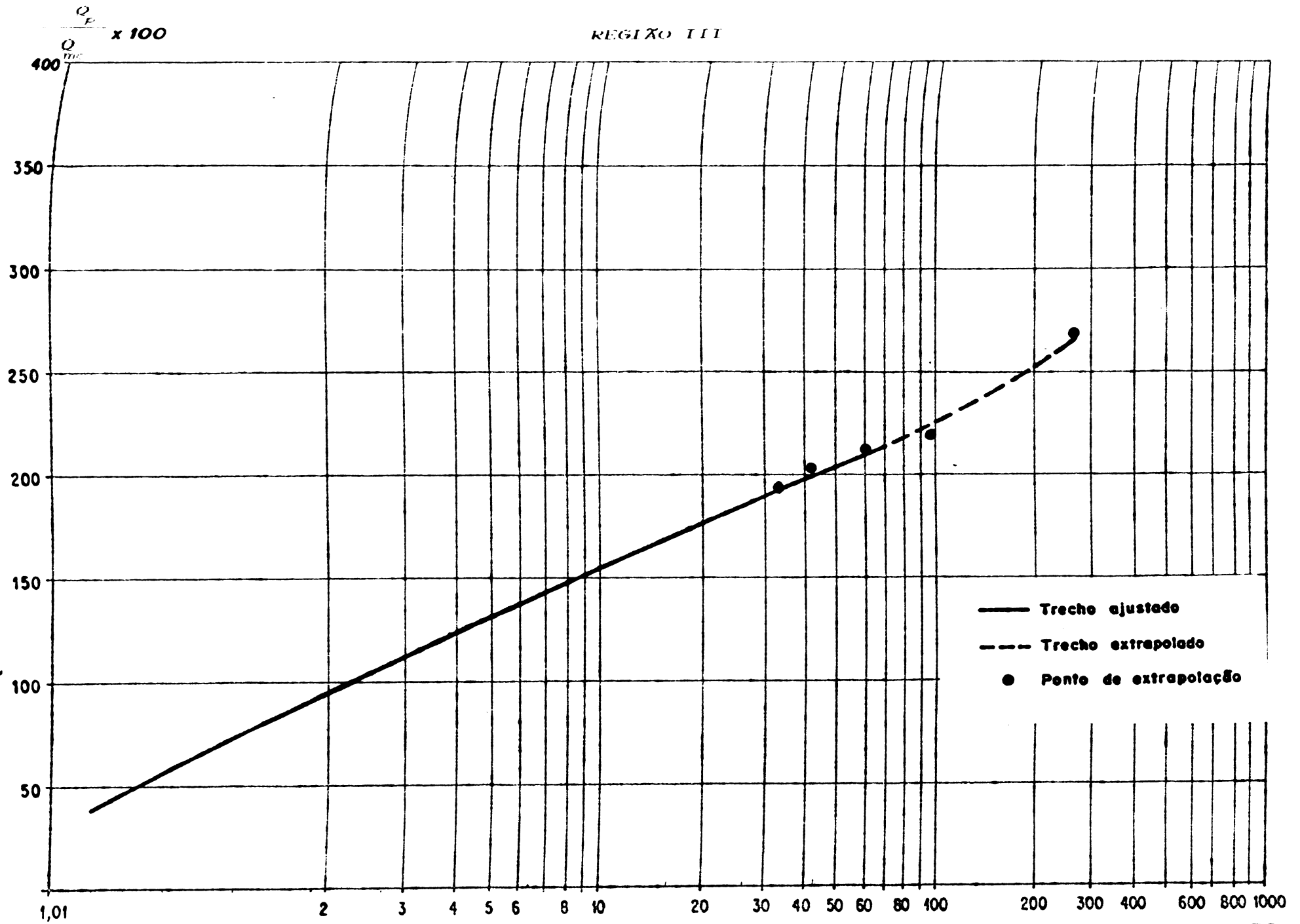


— Trecho ajustado
- - - Trecho extrapolado
● Ponto de extrapolação

TR

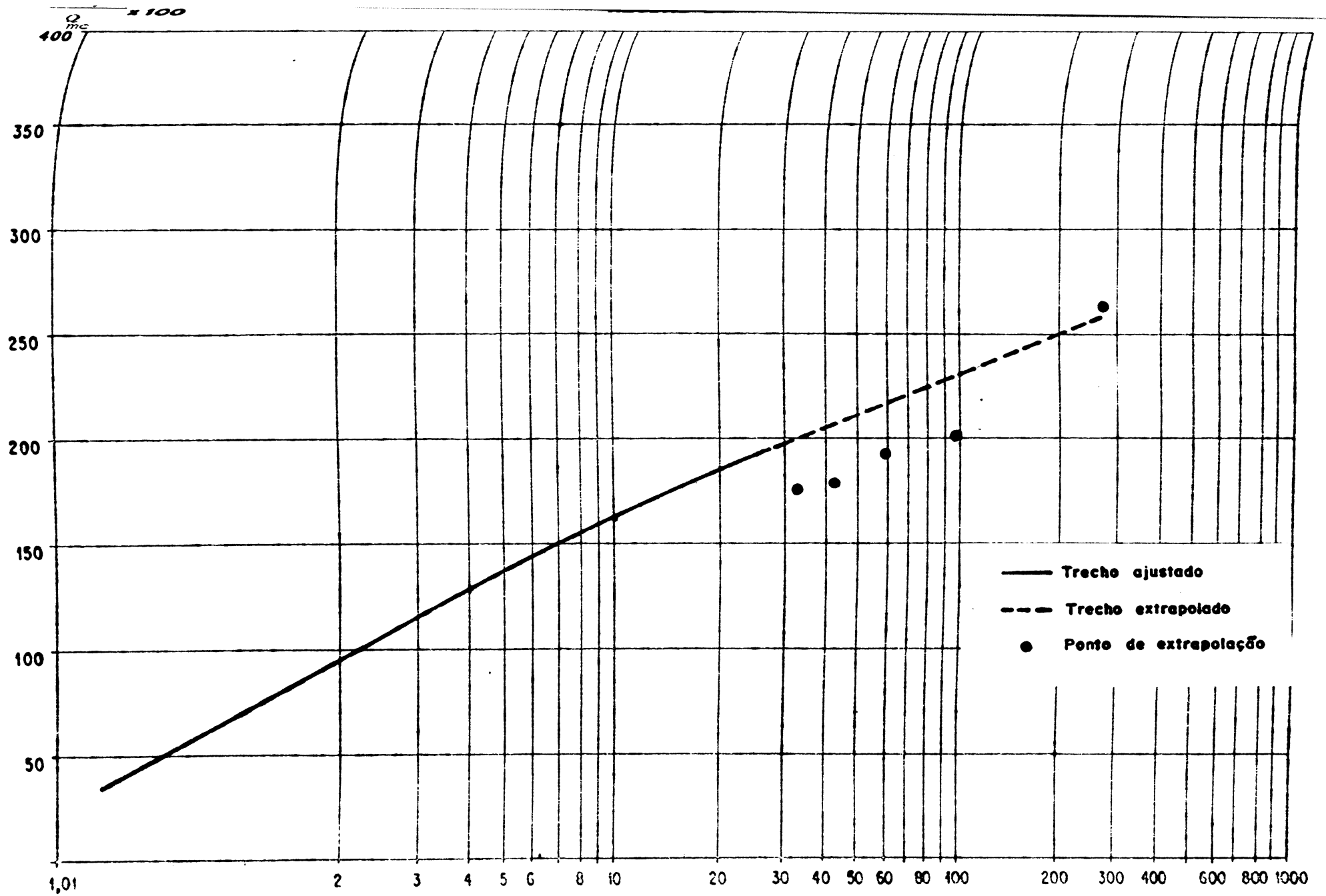
03 - 3

REGIÃO III



— Trecho ajustado
- - - Trecho extrapolado
● Ponto de extrapolação

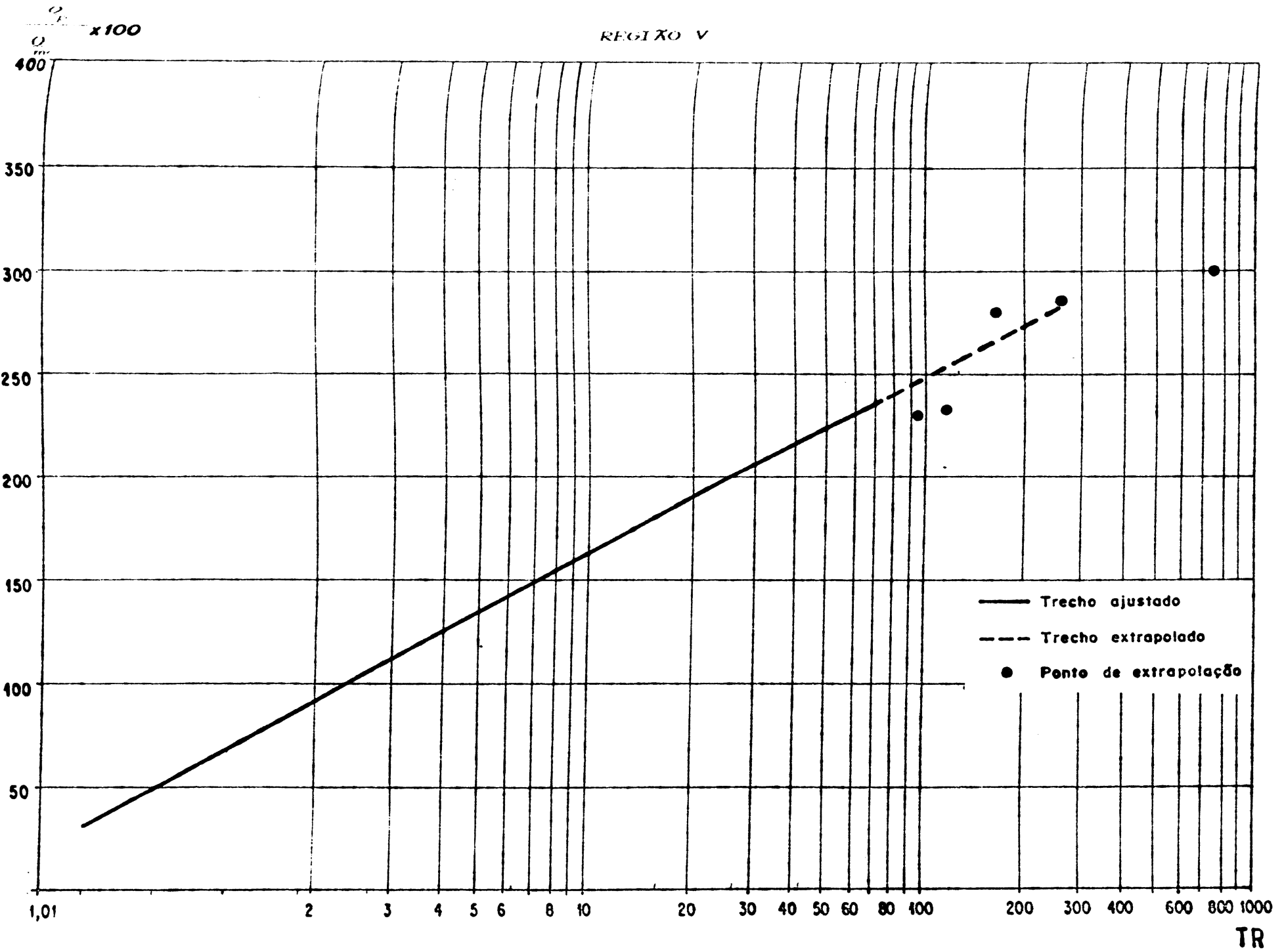
03 - 4



TR

REGIÃO V

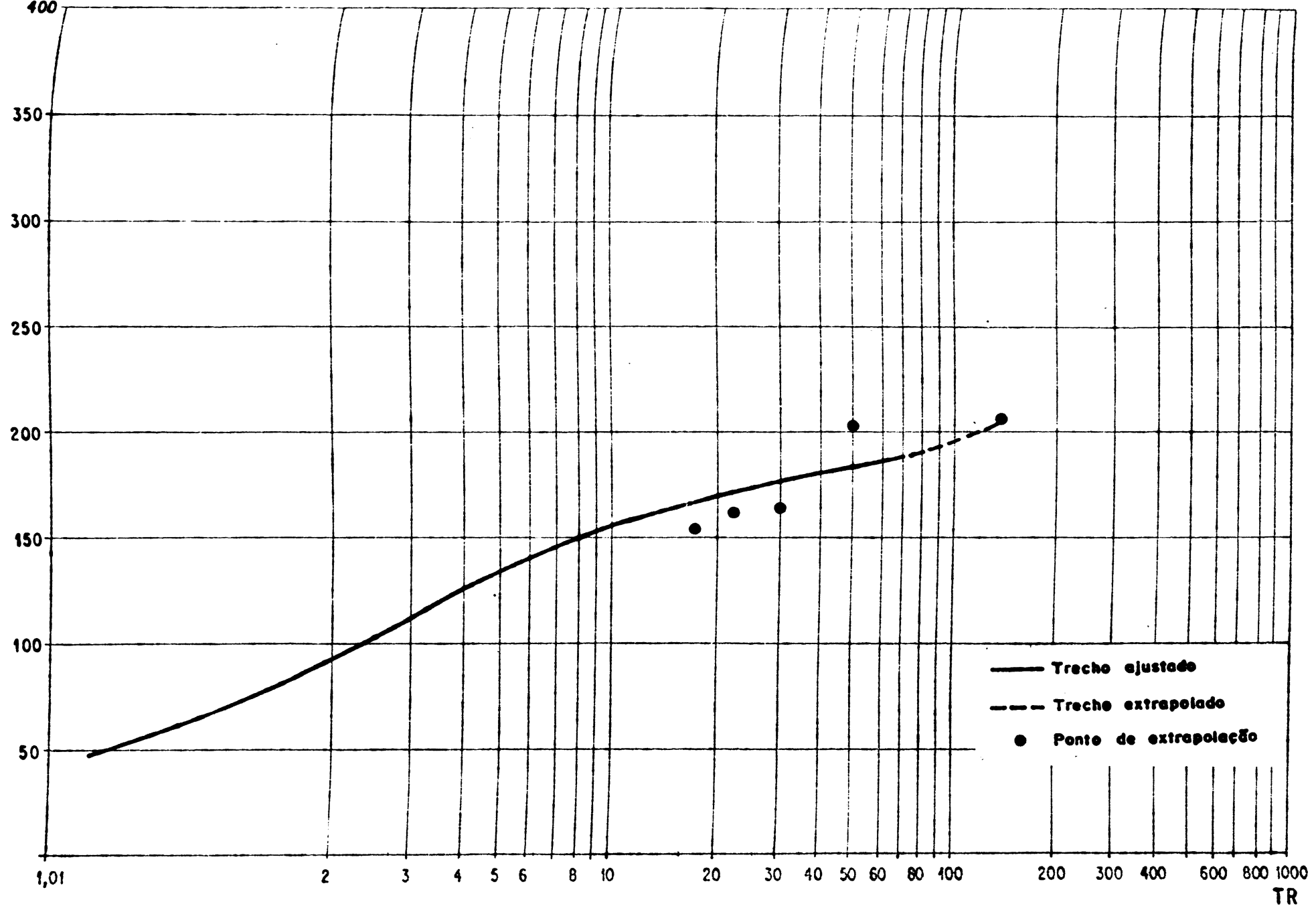
03 - 6



— Trecho ajustado
- - - Trecho extrapolado
● Ponto de extrapolação

REGIÃO VI

$\frac{Q}{TR} \times 100$
400



— Trecho ajustado
- - - Trecho extrapolado
● Ponto de extrapolação

13 - 7

TR

ANEXO D Vazões mínimas anuais

ANEXO D1 - Valores seleccionados de vazões mínimas anuais

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
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1962										
1963										
1964										
1965										
1966										
1967										
1968										
1969										
1970										
1971										
1972										
1973										
1974										
1975										
1976	1.89	2.37	2.68	2.90	3.70	5.33	7.80	17.12	16.28	17.25
1977										
1978	0.85	0.85	0.89	1.02	2.77	3.23	6.26	8.17	9.25	9.86
1979	1.89	2.13	2.20	2.50	3.65	4.96	7.78	11.34	15.41	14.05
1980										
1981	1.65	1.81	2.34	2.88	3.68	6.59	6.62	10.36	10.51	13.03
1982	2.13	2.13	2.37	2.89	4.88	6.03	7.55	18.44	23.00	24.52
1983	2.85	2.93	3.19	5.37	7.91	8.23	9.44	14.37	15.01	26.72
1984										
MEDIA	1.88	2.04	2.28	2.93	4.43	5.73	7.58	13.30	14.91	17.57
LD. PADRAO	0.65	0.69	0.77	1.40	1.83	1.68	1.11	4.02	4.88	6.70
COEF. VAR.	0.12	0.12	0.11	0.23	0.17	0.09	0.02	0.09	0.11	0.15

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
1962										
1963										
1964										
1965										
1966	5.68	6.07	6.73	7.34	11.74	13.75	15.56	42.56	52.46	66.75
1967	3.93	3.98	4.50	6.14	7.41	9.16	12.26	14.08	23.31	48.80
1968	3.86	3.93	4.09	4.70	5.95	12.46	35.46	58.40	63.20	61.33
1969	5.65	5.92	6.24	8.47	11.22	12.62	16.46	30.71	36.22	43.58
1970	5.38	5.56	6.29	7.52	10.43	19.72	32.53	55.33	83.03	88.34
1971	3.58	3.63	3.80	4.46	4.78	5.55	13.59	27.74	44.54	59.03
1972	8.57	9.18	11.25	13.63	14.38	26.64	41.88	58.09	66.30	87.16
1973	8.12	10.09	10.58	11.36	15.33	24.75	28.97	57.94	63.26	84.46
1974	5.65	6.29	6.66	7.02	10.13	13.91	16.44	20.99	23.12	26.98
1975	8.57	8.57	9.28	10.75	15.99	45.84	55.39	75.65	85.65	86.44
1976	8.57	9.93	11.32	12.44	16.63	26.61	43.60	66.58	63.14	73.16
1977	4.55	4.64	4.90	5.34	6.30	9.39	9.62	32.32	43.28	68.49
1978	4.55	4.73	4.94	5.36	7.80	11.34	25.13	34.06	41.48	44.83
1979	8.57	8.88	9.87	10.33	14.45	28.12	32.09	43.42	72.19	66.90
1980	9.94	10.39	11.48	15.00	18.09	40.28	40.21	52.25	75.49	90.52
1981	6.20	6.20	6.60	9.24	12.19	13.68	18.74	24.66	31.98	48.50
1982	11.30	12.90	15.19	18.77	29.35	35.27	44.88	105.91	111.86	117.16
1983	12.90	14.50	16.92	21.32	41.18	44.82	53.15	66.43	66.18	144.57
1984										
MEDIA	6.98	7.52	8.37	9.95	14.08	21.88	29.78	48.17	58.15	72.61
ID. PADRAO	2.71	3.19	3.83	4.81	8.87	12.79	14.55	22.76	23.37	28.20
ICOE. VAR.	0.15	0.18	0.21	0.23	0.40	0.34	0.24	0.22	0.16	0.15

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943	0.92	0.96	1.03	1.28	1.39	1.77	3.27	5.70	7.87	17.20
1944	0.36	0.40	0.44	0.63	0.85	1.06	1.99	4.42	5.86	6.43
1945	0.92	1.00	1.15	1.84	2.41	3.67	4.77	9.63	14.04	18.91
1946		0.52	0.61	1.44	2.13	3.93	5.99	9.21	10.40	15.87
1947	3.13	3.32	4.48	5.89	6.99	12.93	16.21	17.27	19.82	22.42
1948										
1949										
1950	1.37	1.37	1.41	1.76	3.06	3.11	4.63	17.65	19.15	19.23
1951										
1952	1.96	2.35	2.42	3.19	3.34	6.15	6.44	8.41	15.29	18.35
1953	1.96	2.45	3.29	4.14	7.32	12.99	14.38	21.47	27.58	29.28
1954	1.37	1.96	2.54	3.13	4.73	9.02	9.55	17.89	27.64	38.55
1955	1.66	2.74	4.19	5.66	8.01	11.21	16.40	22.38	29.18	32.86
1956	1.66	2.25	3.04	3.25	4.72	4.74	6.21	16.53	18.84	21.39
1957	2.25	3.13	4.39	5.96	9.99	12.17	19.51	21.09	26.87	44.56
1958	4.01	4.44	6.32	9.23	10.61	12.97	15.70	23.51	35.39	36.18
1959										
1960										
1961		0.77	1.22	2.93	3.82	4.19	6.77	12.44	22.18	27.10
1962										
1963										
1964										
1965										
1966										
1967	0.92	0.96	1.07	1.36	1.78	3.29	3.92	4.76	9.30	25.58
1968	1.15	1.26	1.50	1.68	2.14	8.12	19.63	31.45	34.26	31.82
1969	1.15	1.15	1.17	1.48	3.28	7.27	7.69	11.27	17.52	19.85
1970	1.15	1.15	1.24	1.57	2.70	8.16	11.82	24.36	33.96	37.64
1971		0.59	0.67	0.80	1.58	1.87	2.96	9.86	10.74	17.98
1972	2.54	2.54	2.71	4.06	4.87	8.15	12.19	16.84	22.94	31.59
1973	1.96	2.15	2.80	2.98	4.89	6.51	8.85	16.75	17.83	24.39
1974	1.26	1.26	1.39	2.03	2.29	2.83	3.83	5.92	10.63	12.73
1975	3.13	3.42	4.15	4.58	6.71	13.58	21.16	27.54	30.97	34.42
1976	4.49	4.83	5.17	5.92	7.85	10.27	14.81	21.87	25.74	31.62
1977	1.42	1.42	1.42	1.74	2.08	2.95	3.24	15.14	16.62	24.81
1978	1.64	1.64	1.67	1.95	3.73	4.93	6.85	10.66	14.66	16.03
1979										
1980	4.49	4.49	4.93	5.56	6.04	11.17	11.17	23.59	31.39	36.11
1981	2.33	2.33	2.36	2.57	3.18	4.24	5.97	10.26	12.31	17.77
1982	4.83	5.06	5.62	7.58	9.92	16.32	20.27	40.15	40.89	44.10
1983	5.86	6.09	6.63	7.38	10.38	13.73	16.52	25.73	28.85	55.58
1984										
MEDIA	2.22	2.27	2.70	3.45	4.76	7.44	10.09	16.79	21.29	27.01
IG. PADRAO	1.41	1.50	1.81	2.26	2.94	4.37	5.99	8.52	9.36	10.90
ICDEF. VAR.	0.40	0.44	0.45	0.43	0.38	0.35	0.35	0.26	0.19	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941	0.45	0.45	0.45	0.45	0.46	0.79	0.78	1.26	1.78	2.65
1942	0.17	0.26	0.29	0.31	0.36	0.47	0.54	0.63	0.96	1.19
1943										
1944										
1945										
1946										
1947										
1948										
1949	1.12	1.15	1.25	1.33	1.44	1.56	1.56	1.95	2.29	2.72
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959	0.81	0.82	0.85	0.90	0.98	1.02	1.10	2.53	2.92	4.08
1960										
1961										
1962	0.74	0.83	0.90	0.98	1.02	1.38	2.10	3.47	4.91	5.01
1963										
1964										
1965										
1966										
1967										
1968										
1969	0.63	0.42	0.18	0.08	0.04	0.02	0.01	0.01	0.44	1.09
1970										
1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	0.65	0.66	0.65	0.68	0.72	0.87	1.02	1.64	2.21	2.79
D. PADRAO	0.32	0.33	0.41	0.47	0.52	0.57	0.74	1.27	1.59	1.55
COEF. VAR.	0.25	0.26	0.40	0.49	0.52	0.43	0.53	0.60	0.52	0.31

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945	0.60	0.65	0.75	0.90	1.20	1.84	2.24	8.65	10.20	11.29
1946	0.60	0.68	0.82	1.09	1.14	1.37	2.65	3.59	3.73	7.64
1947	1.58	1.63	1.76	2.11	3.00	4.86	5.40	7.03	7.45	9.07
1948	0.52	0.53	0.62	0.89	1.03	1.28	1.43	2.24	3.07	7.18
1949	0.93	0.99	1.04	1.23	1.62	2.13	2.74	3.20	4.58	5.11
1950	1.18	1.26	1.51	1.74	1.87	1.95	2.34	5.65	10.85	13.77
1951	0.60	0.65	0.75	0.88	1.11	1.41	1.90	3.43	9.22	9.03
1952	1.26	1.42	1.81	1.92	2.20	2.64	3.00	3.27	6.62	8.42
1953	2.36	2.41	2.58	2.94	3.43	4.25	5.10	6.50	11.99	14.60
1954	1.58	1.74	1.96	2.16	2.66	3.10	3.53	4.69	19.35	26.65
1955	1.58	1.94	2.07	2.39	2.74	3.46	4.21	9.55	14.25	18.77
1956	1.89	2.00	2.05	2.25	3.09	4.75	5.07	7.81	7.84	11.60
1957	1.89	1.89	1.96	2.29	3.58	4.94	6.00	7.92	9.36	25.19
1958										
1959										
1960	1.35	1.38	1.72	2.23	2.39	2.82	3.50	3.91	6.67	15.59
1961										
1962	1.10	1.13	1.22	1.36	1.68	2.18	3.56	6.58	6.04	8.80
1963	1.10	1.15	1.24	1.44	1.93	2.80	3.75	6.35	17.79	24.48
1964	1.18	1.26	1.44	1.67	1.79	1.93	2.15	4.53	7.88	10.69
1965										
1966										
1967										
1968										
1969	2.67	2.87	2.96	3.09	4.01	6.07	6.56	7.66	12.03	16.91
1970	2.05	2.05	2.12	2.50	2.87	6.79	9.61	18.16	20.12	24.61
1971	1.26	1.29	1.40	1.68	2.21	2.45	2.90	5.84	8.55	13.54
1972	2.82	2.87	3.17	3.42	3.91	4.77	7.42	11.80	15.13	22.38
1973	2.36	2.41	2.58	2.81	2.89	3.78	4.69	7.11	9.78	16.16
1974	1.26	1.26	1.31	1.36	1.58	1.84	2.13	3.76	5.73	7.34
1975	1.98	1.98	2.00	2.20	3.14	4.31	6.01	11.57	13.33	16.61
1976	2.13	2.13	2.30	2.64	3.83	4.48	7.85	14.04	14.77	17.64
1977	0.82	0.82	0.90	1.05	1.29	1.41	1.61	10.83	12.93	18.29
1978	0.82	0.82	0.92	1.10	1.62	1.73	1.86	4.87	7.53	8.67
1979	1.98	2.08	2.41	2.88	3.94	6.11	6.53	9.76	16.26	16.84
1980										
1981	1.11	1.21	1.36	1.49	1.56	1.68	2.69	4.15	6.58	11.21
1982	1.84	1.89	2.00	2.72	3.46	7.50	10.27	19.45	21.02	26.79
1983	2.27	3.00	4.15	5.04	6.54	9.08	11.53	17.19	19.56	40.53
1984										
MEDIA	1.51	1.59	1.77	2.05	2.56	3.54	4.52	7.78	10.98	15.66
D. PADRAO	0.64	0.69	0.80	0.91	1.20	2.02	2.67	4.53	5.09	7.80
COEF. VAR.	0.18	0.19	0.20	0.20	0.22	0.33	0.35	0.34	0.22	0.25

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941	18.70	19.83	21.26	26.54	29.19	52.23	83.62	131.86	153.21	179.36
1942	8.20	8.20	8.40	9.25	11.89	16.12	17.49	22.91	59.36	81.79
1943	11.50	11.50	11.50	14.29	15.89	27.10	33.39	59.01	68.57	156.73
1944	6.00	6.10	6.59	7.33	9.38	12.62	13.49	25.75	30.22	36.11
1945	11.90	11.93	12.53	15.67	18.58	20.48	27.34	92.40	100.39	123.35
1946	11.00	11.33	12.43	16.43	22.40	35.69	55.94	105.97	114.13	150.71
1947	20.00	24.27	30.97	63.10	69.10	87.37	134.29	152.50	162.79	191.35
1948	8.60	8.70	9.10	11.25	19.06	34.19	48.22	86.28	108.70	194.07
1949	11.00	11.33	13.86	20.27	24.13	32.26	34.76	81.08	104.60	159.87
1950	11.60	11.70	12.32	13.75	25.40	26.99	44.48	150.95	183.41	187.16
1951	9.00	9.07	9.40	10.17	13.10	15.34	22.14	63.48	122.73	125.57
1952	12.00	12.70	13.30	14.07	18.68	29.74	32.63	52.17	90.95	128.17
1953	18.70	20.16	24.16	28.73	57.48	102.47	140.81	166.59	210.26	259.22
1954	9.50	9.70	10.94	13.97	21.45	33.86	33.34	82.22	201.58	304.06
1955	26.40	28.06	29.85	38.40	54.42	84.14	97.69	164.01	186.69	226.19
1956	16.75	17.83	19.92	23.52	27.82	33.00	60.25	121.85	136.50	166.35
1957	16.75	17.83	20.86	34.22	42.29	55.48	67.00	97.95	149.99	259.93
1958	29.94	30.91	32.99	41.38	68.91	100.64	104.82	147.96	252.27	246.77
1959	8.50	8.73	9.41	11.69	17.50	26.28	33.51	74.68	101.93	141.36
1960	14.00	17.97	22.99	41.62	49.98	55.91	75.30	150.98	188.86	234.16
1961	15.00	15.20	15.57	16.25	17.52	22.96	26.39	52.11	151.98	214.35
1962	11.00	11.33	12.00	13.73	23.08	29.49	44.68	104.50	141.94	155.69
1963	16.10	16.10	16.84	18.98	28.67	41.08	57.46	60.23	162.73	197.12
1964										
1965										
1966										
1967										
1968										
1969	18.00	19.33	19.86	22.63	33.46	51.67	55.15	82.23	115.71	143.04
1970	13.64	15.20	17.34	20.85	29.56	71.17	101.94	178.73	237.53	263.97
1971	5.36	5.99	7.78	9.31	10.77	14.92	34.82	69.00	105.54	156.90
1972	28.16	29.65	33.63	39.19	45.58	72.13	105.39	143.06	169.78	243.54
1973	25.52	26.40	27.71	31.62	41.83	59.46	60.28	134.26	156.94	211.36
1974	14.00	14.27	14.61	18.42	20.91	26.77	31.43	53.09	69.05	84.38
1975	29.92	29.92	30.96	33.63	44.55	115.45	115.76	169.26	198.59	220.77
1976	32.68	34.25	38.09	43.85	58.04	75.87	126.35	184.36	180.25	206.90
1977										
1978	11.56	12.60	14.18	16.96	20.63	26.32	42.82	75.54	98.81	113.80
1979	22.88	24.93	27.02	32.56	35.31	71.89	69.25	116.55	187.20	182.29
1980										
1981	15.88	16.56	17.63	23.48	25.04	26.81	38.56	63.49	86.22	118.97
1982	45.12	50.04	57.05	77.55	102.42	131.08	164.49	305.09	310.02	341.39
1983	30.80	33.62	38.79	51.24	87.02	105.52	135.49	169.45	184.27	360.52
1984										
MEDIA	17.10	18.15	20.05	25.72	34.45	50.70	65.87	110.98	147.01	188.00
D. PADRAO	8.91	9.70	11.04	15.92	21.97	32.12	40.40	56.56	58.85	70.26
COEF. VAR.	0.27	0.29	0.30	0.38	0.41	0.40	0.38	0.26	0.16	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
1962										
1963										
1964	4.70	5.03	5.42	6.51	7.98	9.29	10.53	11.71	15.72	16.57
1965	5.50	6.39	6.67	7.41	9.52	10.72	25.11	43.36	39.55	46.10
1966	6.05	6.11	6.24	7.06	8.40	10.26	12.17	19.90	22.61	23.90
1967		1.32	1.32	1.43	1.68	2.40	3.11	4.26	11.36	19.32
1968	0.80	0.89	1.06	1.33	1.53	2.78	11.02	20.48	23.63	23.04
1969	3.84	4.07	4.30	4.83	6.96	11.16	12.09	16.11	16.83	18.16
1970	2.80	2.89	3.11	3.90	5.12	9.38	12.96	18.93	31.29	34.20
1971	2.94	3.08	3.26	3.86	5.42	6.09	7.25	14.53	16.86	21.39
1972	8.78	9.32	10.05	11.15	11.53	14.99	18.28	27.98	31.02	36.57
1973	4.32	5.27	7.10	7.68	8.65	10.18	15.00	24.50	25.75	30.83
1974	4.54	4.76	5.04	5.27	6.46	9.86	9.88	13.77	14.36	14.49
1975										
1976	5.98	6.15	6.50	7.09	8.62	9.67	13.57	30.15	32.84	33.09
1977	3.13	3.13	3.23	3.53	4.01	5.07	5.63	15.71	21.09	27.14
1978	3.00	3.11	3.30	3.48	7.21	8.02	11.34	15.15	15.10	15.86
1979	6.20	6.30	7.18	7.47	10.31	14.07	15.17	25.28	31.06	27.50
1980	7.91	8.20	8.94	9.62	12.98	14.28	16.27	23.92	35.19	39.07
1981	3.00	3.21	4.10	6.03	7.62	8.61	11.21	16.05	16.73	17.83
1982	6.20	6.39	7.02	7.62	9.85	13.23	15.57	34.23	37.15	45.99
1983	9.05	9.22	9.96	12.20	15.13	17.39	20.86	27.68	29.62	53.95
1984										
MEDIA	4.67	4.99	5.46	6.18	7.84	10.29	13.04	21.25	24.62	28.68
D.PADRAO	2.45	2.41	2.63	2.94	3.47	4.45	5.12	9.03	8.70	11.56
COEF. VAR	0.27	0.23	0.23	0.23	0.20	0.19	0.15	0.18	0.12	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959										
1960	2.10	2.10	2.16	2.24	2.81	5.50	7.36	11.26	11.85	13.01
1961	1.47	1.54	1.67	1.89	1.95	3.35	5.72	8.14	14.93	14.33
1962	1.34	1.37	1.42	1.57	1.90	3.24	3.55	9.18	13.46	12.50
1963	1.43	1.44	1.54	1.77	2.80	3.96	4.37	5.81	11.98	12.31
1964	1.23	1.24	1.27	1.60	1.87	3.31	3.63	4.95	7.24	7.97
1965	1.78	1.97	2.12	2.50	3.34	6.22	11.19	21.27	19.42	21.59
1966	2.71	2.91	3.08	3.65	4.92	6.79	7.43	11.24	12.36	12.96
1967	0.70	0.71	0.81	0.87	0.89	1.00	1.30	1.94	5.20	8.91
1968	0.74	0.74	0.76	0.78	0.84	1.55	6.78	10.37	11.71	11.54
1969	1.47	1.50	1.72	1.90	2.75	5.08	6.03	7.73	8.21	9.18
1970	0.40	0.47	0.66	1.04	1.45	3.19	6.13	9.17	14.95	17.30
1971	1.07	1.11	1.22	1.33	1.50	1.74	2.33	5.23	6.88	9.64
1972	1.19	1.28	1.60	2.26	2.80	4.41	6.57	12.06	14.26	17.83
1973	1.47	1.47	1.57	1.81	2.40	3.07	6.28	12.56	12.57	15.08
1974	1.26	1.38	1.50	1.68	2.27	4.08	4.83	6.60	6.97	7.17
1975	0.63	0.65	0.82	0.87	1.60	5.67	7.88	12.12	15.79	17.07
1976	0.97	1.00	1.14	1.81	2.34	3.51	5.09	11.77	12.56	13.02
1977	0.53	0.54	0.59	0.84	1.32	1.48	1.61	6.04	8.73	10.08
1978	0.66	0.77	0.87	1.01	2.27	3.48	5.27	6.84	7.00	7.50
1979	2.23	2.26	2.44	2.52	3.12	5.06	6.68	10.39	12.99	11.79
1980										
1981										
1982	0.10	0.12		0.29	1.38	3.54	4.89	13.48	16.51	18.95
1983	1.60	1.91	2.41	3.51	4.00	7.82	9.52	12.51	13.83	19.42
1984										
MEDIA	1.23	1.30	1.43	1.71	2.30	3.96	5.66	9.57	11.79	13.14
DE PADRAO	0.63	0.66	0.72	0.85	0.99	1.76	2.38	4.03	3.71	4.14
COEF. VAR.	0.26	0.26	0.26	0.24	0.19	0.20	0.18	0.18	0.10	0.10

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943	4.54	4.66	4.82	5.45	6.28	10.52	11.74	20.71	24.00	39.76
1944	1.14	1.19	1.32	2.24	3.33	4.71	7.88	9.07	12.74	12.55
1945	6.60	6.87	7.32	8.18	10.24	12.40	19.50	21.13	36.26	35.43
1946	6.20	6.40	6.66	8.06	11.57	16.85	18.83	27.27	28.10	36.95
1947	10.88	11.47	12.20	13.84	18.24	29.94	32.84	45.36	48.43	54.09
1948	6.10	6.27	6.46	7.20	9.92	14.24	16.46	21.20	30.27	41.76
1949	6.60	7.40	8.13	9.01	10.41	13.78	17.34	26.75	30.15	35.23
1950	6.10	6.27	6.49	6.82	7.94	9.25	11.94	36.43	42.59	39.56
1951	3.04	3.04	3.06	3.35	3.89	5.20	6.41	23.38	25.63	23.74
1952	5.68	5.68	5.81	6.36	6.92	9.42	10.76	23.63	31.75	35.46
1953	5.68	5.68	6.18	7.32	10.03	14.23	25.76	42.34	46.01	51.33
1954	10.00	10.41	11.57	13.00	15.22	17.16	18.51	29.77	53.68	68.73
1955	12.42	12.57	13.17	14.52	17.85	25.55	25.69	36.11	46.69	54.78
1956	9.20	9.40	10.45	13.17	15.10	17.45	24.68	33.94	37.00	40.71
1957	8.60	9.47	10.21	13.78	14.88	18.16	31.32	36.13	48.10	74.67
1958	12.50	12.92	13.65	15.40	17.11	27.27	30.29	33.90	51.35	52.71
1959	8.80	8.93	9.03	9.53	12.33	15.41	19.25	34.78	33.51	38.05
1960	10.44	10.66	11.45	11.95	13.88	23.67	29.99	47.65	50.33	51.66
1961	8.40	8.53	9.14	10.42	11.06	19.20	24.02	30.61	57.57	55.10
1962	8.68	8.83	8.90	9.87	10.56	15.42	22.26	40.05	50.70	51.11
1963	7.80	8.02	8.30	9.11	15.26	22.11	26.06	27.90	49.56	48.97
1964	8.24	8.68	9.62	11.10	14.13	15.35	17.28	19.56	28.11	30.83
1965	12.64	13.30	13.90	15.34	19.18	33.11	44.00	75.80	69.87	81.56
1966	11.66	11.73	12.26	14.63	16.64	19.80	23.89	35.64	40.35	43.46
1967	4.30	4.33	4.47	4.72	5.25	6.19	7.72	9.31	22.06	35.12
1968	3.90	3.93	4.23	4.87	5.13	7.27	21.08	32.75	41.36	41.46
1969	8.40	8.53	10.04	10.60	14.19	21.64	22.49	29.94	32.23	35.13
1970	6.80	6.87	7.49	8.84	11.59	18.73	27.42	40.83	60.46	65.67
1971	4.80	4.97	5.24	6.06	8.18	9.67	11.54	25.01	28.23	36.91
1972	11.90	12.37	13.95	15.05	15.80	21.54	27.91	46.76	52.99	64.53
1973	9.70	10.50	11.33	12.01	14.13	16.77	28.00	44.86	45.03	56.02
1974	6.24	6.30	7.43	7.50	9.62	17.45	21.81	26.48	27.73	28.69
1975	8.58	9.91	10.15	10.82	13.58	28.67	31.79	56.20	66.52	68.65
1976	9.91	10.05	10.69	11.65	13.54	16.11	24.38	54.55	59.61	60.94
1977	5.80	5.80	5.94	6.41	7.73	8.79	9.62	26.55	38.43	48.12
1978	5.23	5.23	5.45	5.99	11.23	13.65	18.07	26.33	25.85	27.68
1979	11.59	11.66	12.72	13.26	17.02	25.67	30.16	44.37	58.18	51.51
1980	11.80	12.46	13.51	14.93	20.11	23.15	25.02	43.79	61.10	70.31
1981	8.50	8.70	9.22	10.99	13.23	14.23	18.14	27.78	30.30	31.44
1982	11.80	12.23	13.38	13.95	18.05	24.95	29.76	62.19	68.94	84.65
1983	19.16	19.77	21.26	24.72	35.92	37.31	41.19	53.56	57.33	96.93
1984										
MEDIA	8.30	8.58	9.18	10.29	12.84	17.61	22.26	34.89	42.66	48.83
D.PADRAO	3.35	3.49	3.79	4.27	5.67	7.59	8.61	13.62	14.28	17.73
COEF.VAR.	0.16	0.17	0.17	0.17	0.20	0.19	0.15	0.15	0.11	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952	10.73	10.83	11.22	11.56	12.14	15.38	16.49	34.37	45.89	51.53
1953	10.42	10.52	11.17	12.15	14.98	19.52	36.37	61.94	63.41	72.43
1954	12.90	13.00	14.29	17.21	19.04	21.94	24.23	40.66	76.64	98.01
1955	15.80	15.80	16.96	17.57	21.39	36.76	37.31	53.05	67.76	81.14
1956	15.51	15.70	16.29	19.27	27.08	29.87	35.90	47.61	52.59	59.51
1957	16.54	16.66	18.06	23.35	25.85	28.88	40.88	49.16	66.78	115.31
1958	16.17	16.54	17.33	20.24	25.96	41.18	46.59	51.32	73.13	76.29
1959	12.28	12.38	12.80	13.43	18.37	22.43	23.91	41.77	43.85	49.76
1960	12.90	13.09	13.44	13.69	16.26	29.72	41.94	69.86	71.19	71.84
1961	13.48	13.48	13.98	16.05	16.56	28.85	36.06	46.41	93.34	88.70
1962	11.66	11.66	11.93	12.71	14.63	19.65	33.49	58.43	66.91	70.22
1963	10.11	10.63	11.31	12.65	18.73	25.56	30.20	35.66	76.40	72.86
1964	8.57	8.98	9.85	12.68	16.56	17.39	19.29	24.94	39.76	44.74
1965	13.90	14.10	14.73	16.94	21.92	38.66	58.12	116.37	106.32	129.98
1966	15.20	15.20	15.95	19.31	22.14	27.19	32.59	49.90	56.56	62.79
1967	6.30	6.43	6.64	6.87	7.17	8.59	9.99	12.00	33.04	52.60
1968	6.00	6.10	6.27	6.65	7.05	9.28	27.97	44.08	64.64	64.04
1969	13.90	14.53	15.20	16.87	22.03	33.32	35.08	46.37	47.98	52.78
1970	11.00	11.17	12.17	13.79	18.68	28.90	41.67	63.53	95.28	105.20
1971	8.50	8.50	8.75	9.91	12.30	15.40	16.91	43.59	44.47	59.74
1972	20.20	21.27	22.84	24.59	25.62	32.73	43.96	64.68	76.16	97.57
1973	13.40	14.50	16.56	17.47	20.07	23.39	43.83	65.52	62.76	83.15
1974	13.48	13.67	14.31	16.11	18.82	27.15	34.12	40.61	44.19	45.84
1975	13.81	13.91	14.30	15.22	19.07	43.51	47.48	80.88	99.61	104.91
1976	12.92	13.21	13.86	14.85	17.50	20.72	33.95	77.26	87.00	90.18
1977	8.85	9.18	9.49	10.09	10.99	12.20	13.17	36.26	59.29	73.53
1978										
1979	17.30	17.42	18.51	19.37	24.77	38.21	46.14	64.94	90.00	79.58
1980	15.98	16.29	17.17	18.01	23.31	27.80	30.12	65.93	88.43	105.34
1981	11.18	11.37	12.34	14.51	16.79	17.85	22.35	38.47	42.66	43.23
1982	18.70	19.28	21.39	22.11	29.66	41.70	49.28	104.06	109.88	133.77
1983	28.00	28.45	30.89	35.56	49.80	51.49	57.31	77.41	85.69	181.41
1984										
MEDIA	12.23	13.67	14.52	16.15	19.85	26.94	34.41	55.07	68.76	81.23
ID. PADRAO	5.64	4.41	4.86	5.60	7.81	10.45	12.19	21.53	20.96	30.70
COEF. VAR.	0.21	0.10	0.11	0.12	0.16	0.15	0.13	0.15	0.09	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
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1954										
1955										
1956										
1957	24.90	25.83	27.96	34.84	41.36	49.27	79.18	91.05	109.26	177.81
1958	22.40	24.11	27.70	33.85	39.49	57.97	65.85	72.31	105.28	113.36
1959	19.90	19.90	20.97	22.10	30.18	32.63	35.23	54.32	57.73	67.86
1960	19.00	19.33	19.64	20.00	24.85	46.17	62.73	98.69	103.94	103.04
1961	18.58	19.96	20.47	21.57	28.15	42.26	48.49	68.92	147.06	141.91
1962	18.14	19.02	19.40	22.55	22.89	32.59	55.66	86.74	111.80	113.57
1963	18.14	18.14	18.77	19.78	29.25	39.54	46.45	54.86	114.26	110.15
1964	17.26	17.85	18.64	20.51	27.08	28.61	30.55	39.37	64.59	71.03
1965	19.50	19.50	21.11	23.19	29.59	55.94	77.25	166.95	156.68	192.48
1966	21.38	22.01	23.73	29.36	35.54	41.06	48.76	72.77	83.22	94.09
1967	13.05	13.05	13.20	13.77	14.45	16.44	18.11	21.10	52.52	80.28
1968	13.75	13.75	13.85	13.98	14.47	17.81	42.96	66.60	98.41	98.43
1969	22.32	22.79	23.19	25.61	35.88	52.04	55.42	68.54	69.91	81.28
1970	19.50	20.44	21.25	23.97	30.68	44.29	59.95	89.50	135.94	153.37
1971	15.50	15.77	16.76	17.74	21.52	24.13	27.12	63.99	67.42	90.74
1972	24.20	29.02	29.85	31.97	33.26	43.95	64.55	88.87	107.58	141.55
1973	20.44	21.54	23.07	23.95	27.66	32.15	63.75	81.60	81.66	117.02
1974	20.44	20.44	21.18	23.12	27.26	38.48	49.36	57.48	61.12	65.52
1975	20.12	20.12	20.74	22.81	29.93	59.33	71.96	110.09	136.47	146.43
1976	18.20	18.52	19.50	23.04	25.61	29.84	47.81	102.60	114.58	119.73
1977	11.52	11.65	12.01	12.51	13.89	15.10	16.68	43.81	79.73	98.75
1978	11.52	11.77	12.23	12.95	17.79	20.17	26.07	43.16	50.12	54.20
1979	23.00	24.65	25.91	27.00	33.73	49.41	58.54	83.06	120.32	105.24
1980	19.64	19.96	20.74	21.57	25.63	32.80	36.68	81.80	113.30	141.09
1981	14.68	15.12	16.19	19.63	21.23	23.18	32.11	53.08	56.48	57.42
1982	30.78	31.35	33.00	33.25	43.55	64.10	75.13	145.82	150.35	182.95
1983										
1984										
MEDIA	19.15	19.83	20.81	22.87	27.88	38.05	49.86	77.20	98.07	112.28
ID. PADRAO	4.30	4.80	5.23	6.18	7.89	13.98	18.05	31.57	32.25	38.34
COEF. VAR	0.05	0.06	0.06	0.07	0.08	0.13	0.13	0.17	0.11	0.12

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
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1956										
1957										
1958										
1959	0.12	0.12	0.14	0.14	0.14	0.15	0.21	0.27	0.31	0.36
1960	0.14	0.15	0.15	0.17	0.19	0.38	0.46	0.60	0.84	0.79
1961	0.14	0.14	0.15	0.18	0.23	0.28	0.32	0.55	1.01	1.04
1962	0.11	0.11	0.13	0.14	0.21	0.33	0.43	0.61	0.62	0.68
1963	0.10	0.11	0.13	0.18	0.30	0.40	0.48	0.53	0.81	0.84
1964	0.13	0.14	0.15	0.15	0.16	0.18	0.19	0.33	0.47	0.57
1965	0.15	0.15	0.17	0.25	0.30	0.31	0.44	1.03	1.19	1.44
1966	0.10	0.13	0.14	0.17	0.21	0.25	0.27	0.35	0.47	0.57
1967	0.11	0.12	0.12	0.12	0.12	0.13	0.15	0.18	0.46	0.56
1968	0.09	0.09	0.09	0.10	0.10	0.13	0.17	0.21	0.35	0.45
1969	0.09	0.10	0.11	0.11	0.15	0.17	0.19	0.22	0.29	0.39
1970	0.14	0.14	0.14	0.15	0.17	0.22	0.29	0.49	0.57	0.76
1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	0.12	0.13	0.13	0.16	0.19	0.24	0.30	0.45	0.62	0.71
D.PADRAO	0.02	0.02	0.02	0.04	0.06	0.10	0.12	0.24	0.29	0.31
COEF. VAR.	0.03	0.02	0.02	0.07	0.11	0.15	0.17	0.29	0.22	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
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1958										
1959										
1960	1.38	1.43	1.57	1.72	1.88	5.49	5.71	8.85	9.70	9.70
1961	1.67	1.93	2.00	2.31	2.61	4.17	5.15	7.66	14.43	15.70
1962	0.86	0.90	1.02	1.31	1.93	3.16	4.24	7.13	9.17	9.40
1963	1.32	1.36	1.52	1.66	2.26	2.69	3.65	6.91	8.18	8.41
1964		0.10		0.22	0.50	0.59	0.85	3.77	5.86	7.89
1965	1.38	1.43	1.53	1.86	3.25	5.05	9.27	13.68	15.04	15.63
1966	0.70	0.73	0.78	1.49	3.01	4.45	4.52	8.60	10.52	10.85
1967	1.19	1.19	1.26	1.33	1.54	1.91	2.22	2.65	5.47	7.75
1968	0.92	0.94	1.02	1.16	1.23	1.59	3.70	5.61	9.69	10.81
1969	1.49	1.60	1.69	1.83	2.68	3.92	4.00	4.97	5.14	6.62
1970	1.15	1.23	1.38	1.56	2.60	3.90	4.48	7.04	10.04	12.54
1971	1.13	1.26	1.40	1.47	1.80	1.96	3.15	6.46	7.76	8.92
1972	2.05	2.34	2.99	3.16	4.48	6.03	6.70	8.07	10.49	13.20
1973	1.94	2.31	2.44	2.63	2.95	3.51	4.39	6.05	6.44	10.28
1974	1.32	1.32	1.41	1.64	1.92	2.60	3.23	4.29	4.27	4.75
1975	1.04	1.04	1.07	1.30	1.75	4.45	7.47	10.14	12.39	13.42
1976	1.53	1.59	1.68	1.82	1.92	2.62	3.92	7.90	8.74	9.35
1977	1.12	1.14	1.19	1.22	1.39	1.47	1.65	3.90	7.59	8.29
1978	1.17	1.20	1.22	1.42	2.31	2.97	3.69	4.85	5.22	6.53
1979	2.55	2.64	2.77	2.37	3.74	4.67	4.23	6.42	9.61	8.99
1980	1.89	1.89	1.98	2.23	2.46	2.85	3.13	6.20	9.86	11.91
1981										
1982										
1983										
1984										
MEDIA	1.92	1.41	1.52	1.72	2.30	3.34	4.28	6.72	8.84	10.05
COEF. VAR.	0.53	0.58	0.67	0.65	0.89	1.42	1.90	2.45	2.91	2.89
COEF. VAR.	0.16	0.17	0.19	0.14	0.15	0.18	0.20	0.13	0.11	0.08

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
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1956										
1957										
1958										
1959	1.28	1.50	1.80	2.29	2.95	3.38	3.86	5.79	6.01	6.32
1960	2.40	2.65	2.81	3.05	3.43	6.79	8.20	11.96	14.05	12.62
1961	2.49	2.55	2.75	2.90	3.32	4.70	6.41	7.90	14.08	14.66
1962	1.95	2.19	2.39	3.06	3.33	4.29	5.65	9.54	10.81	10.36
1963	1.83	1.85	2.00	2.16	2.75	3.27	4.11	9.68	12.29	11.83
1964	1.48	1.52	1.92	2.78	3.22	3.85	4.19	4.50	6.06	7.60
1965	3.54	4.83	5.21	5.66	6.53	6.95	9.17	16.72	18.40	17.71
1966	2.77	4.28	4.75	4.93	5.74	6.22	7.10	11.04	14.20	14.43
1967	2.49	2.52	2.70	2.88	3.25	4.21	4.73	5.20	7.39	8.86
1968	2.13	2.70	2.85	3.34	3.66	4.28	5.49	6.86	10.07	12.73
1969	1.43	2.14	2.60	4.30	4.58	5.29	5.52	6.23	6.62	8.30
1970	3.71	3.81	4.40	4.94	5.71	7.50	9.24	10.33	13.36	15.39
1971										
1972										
1973										
1974										
1975										
1976	0.45	0.52		1.03	1.39	3.80	6.16	12.37	12.20	12.62
1977		0.51	0.53	1.13	1.39	2.11	2.60	6.34	9.38	8.99
1978	1.27	1.56	1.73	1.86	2.42	2.66	3.20	3.99	4.61	6.73
1979										
1980	1.33	1.75	2.04	3.08	4.00	5.93	5.78	9.34	11.97	14.13
1981	1.45	2.00	3.60	4.36	4.91	6.16	6.59	8.24	9.63	9.88
1982	6.35	6.83	7.04	7.34	8.14	13.86	17.71	21.50	23.10	24.90
1983										
1984										
MEDIA	2.26	2.58	2.84	3.39	3.93	5.29	6.43	9.31	11.37	12.12
COEF. PADRAO	1.05	1.55	1.68	1.61	1.75	2.64	3.38	4.42	4.61	4.53
COEF. VAR.	0.36	0.36	0.25	0.23	0.20	0.25	0.28	0.23	0.16	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941	12.40	13.10	15.99	20.75	21.85	37.86	48.61	60.41	66.01	70.30
1942	4.73	4.76	4.82	4.93	5.61	7.38	8.29	12.73	20.74	42.19
1943	6.80	6.80	7.06	8.13	8.37	10.15	13.34	38.61	40.24	62.80
1944	3.57	3.62	3.72	4.16	4.53	4.75	5.51	7.30	10.08	10.68
1945	6.04	6.12	6.36	7.62	8.62	12.51	14.23	18.59	41.66	46.23
1946	8.00	8.27	8.75	10.38	13.55	14.80	17.45	34.28	40.92	53.37
1947	10.48	10.94	11.53	13.78	18.72	27.36	30.01	39.32	56.89	64.16
1948	5.92	6.00	6.30	8.14	9.11	14.21	14.19	22.85	27.85	45.46
1949	5.92	5.96	6.23	7.50	9.62	15.78	22.69	32.87	32.84	35.17
1950	7.80	7.93	8.12	8.81	12.82	12.85	17.89	49.73	61.17	58.83
1951	4.63	4.76	4.96	5.10	5.36	7.94	8.91	19.46	49.56	42.84
1952	11.00	11.47	11.90	12.73	13.69	20.48	23.75	37.70	56.04	59.85
1953	10.48	10.65	11.05	12.38	20.04	25.32	42.34	58.71	70.76	82.75
1954	9.18	9.61	10.25	12.44	15.57	20.50	21.49	30.40	68.22	91.46
1955	16.15	16.88	20.21	23.71	25.50	33.84	39.32	57.20	62.94	77.62
1956	11.70	11.82	12.10	14.19	16.78	21.76	25.84	36.94	42.87	56.37
1957	12.40	14.30	16.23	17.54	21.79	27.56	39.84	60.20	64.57	118.78
1958	15.60	15.97	17.61	22.94	26.73	39.53	44.47	49.35	66.45	71.44
1959	6.28	6.43	7.33	8.92	12.42	13.99	17.60	27.60	29.97	34.47
1960	12.75	12.75	13.53	15.33	17.80	41.39	50.01	69.93	77.05	71.46
1961	13.80	14.27	14.95	17.07	19.55	25.83	29.80	48.93	88.10	93.96
1962	13.80	14.03	14.28	15.61	20.06	27.35	40.15	59.52	75.44	73.64
1963	11.70	12.05	12.55	13.67	17.85	21.07	26.86	48.15	77.46	71.78
1964	9.96	10.97	12.24	13.11	16.44	17.84	19.12	25.01	35.59	47.07
1965	16.70	17.43	19.06	21.24	25.86	30.82	48.27	116.79	122.08	126.90
1966	17.80	17.98	18.74	20.35	24.70	31.45	36.12	63.15	86.53	93.72
1967	8.00	8.48	9.77	10.92	13.55	18.96	20.94	22.60	47.41	59.79
1968	10.74	10.91	12.21	13.53	14.23	18.17	29.95	47.44	67.83	82.62
1969	11.00	11.93	12.40	13.10	18.73	23.28	24.43	28.85	37.46	51.71
1970	12.40	13.75	15.75	17.47	22.48	37.00	50.50	69.52	89.78	111.63
1971	12.75	13.33	14.82	16.60	18.35	20.31	25.79	48.16	60.63	76.24
1972	27.75	29.75	32.19	36.59	48.52	55.46	66.52	75.28	97.38	124.22
1973	24.20	25.37	27.69	31.89	33.75	36.56	50.74	56.79	66.73	102.14
1974	15.05	15.97	17.49	20.05	22.15	28.60	34.81	38.68	41.63	48.55
1975	22.10	23.73	25.00	26.51	32.82	44.35	61.71	89.64	109.88	119.25
1976	15.05	17.25	18.35	20.11	22.27	28.03	40.02	78.03	84.76	90.88
1977	10.48	10.77	11.26	12.04	14.18	15.32	17.48	33.96	66.84	73.80
1978	8.66	9.35	10.45	12.28	18.51	21.93	26.47	42.45	48.02	60.48
1979	22.80	24.20	26.66	26.98	30.22	39.96	45.58	56.44	101.03	91.51
1980	13.10	14.28	15.63	15.94	17.81	23.10	24.40	48.66	76.93	99.50
1981	10.22	10.71	12.28	14.91	19.11	23.09	33.57	41.02	46.32	49.73
1982	37.90	39.03	41.63	44.85	52.47	88.74	100.00	141.98	147.01	167.93
1983	25.60	26.30	29.84	33.49	45.10	48.66	52.73	60.44	76.81	151.97
1984										
MEDIA	12.87	13.49	14.63	16.46	19.93	26.41	32.83	48.97	63.69	75.94
D. PADRAO	6.88	7.24	7.92	8.68	10.50	15.02	18.13	25.67	27.35	32.27
COEF. VAR.	0.29	0.29	0.29	0.28	0.28	0.32	0.30	0.27	0.18	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952	36.80	37.27	39.86	40.57	42.19	56.60	62.72	107.43	156.84	175.17
1953	36.20	36.20	37.57	41.53	57.52	68.82	122.67	162.02	204.04	237.69
1954	42.60	43.67	46.11	54.63	72.50	76.87	81.92	118.51	242.88	297.20
1955	47.40	48.47	54.43	65.27	74.42	96.65	122.56	166.73	198.81	238.21
1956	47.40	48.47	50.66	58.23	73.08	85.84	94.99	120.63	138.22	167.07
1957	49.00	49.73	51.83	55.75	71.37	87.44	136.43	170.65	211.98	346.69
1958	53.40	55.60	60.63	76.09	79.87	119.58	133.22	146.59	199.69	213.78
1959	26.40	28.23	31.10	36.49	52.22	65.21	71.16	101.71	106.18	120.79
1960	43.40	43.93	45.20	46.96	54.40	118.47	145.96	197.39	209.42	199.61
1961	41.00	41.53	44.43	53.61	58.47	83.84	90.80	137.73	279.96	282.60
1962	37.80	37.80	39.63	45.27	46.62	69.07	108.32	164.98	207.52	208.06
1963	36.20	36.73	38.49	40.68	55.68	86.07	95.99	112.87	222.62	206.03
1964	34.80	35.73	37.40	41.14	52.51	53.75	58.32	77.14	120.46	137.52
1965	42.60	42.60	44.43	50.13	63.21	106.56	144.95	334.17	326.80	391.55
1966	49.00	52.00	53.57	60.28	68.49	82.30	99.35	160.54	202.73	225.78
1967	28.90	28.90	29.21	30.34	33.36	39.90	43.21	48.70	109.13	155.24
1968	27.70	28.90	28.90	29.50	31.06	38.87	79.00	122.85	202.46	217.33
1969	43.00	44.13	44.36	47.17	69.92	87.17	92.25	105.85	126.07	152.39
1970	42.60	42.60	42.83	45.39	58.55	103.25	132.65	188.14	262.40	312.55
1971	33.00	33.00	34.83	38.65	44.00	48.32	59.06	130.12	141.96	188.09
1972	66.60	68.80	72.13	77.52	95.60	119.44	154.41	189.44	238.23	316.01
1973	49.00	51.20	54.03	57.51	67.47	72.80	129.94	152.05	164.59	253.59
1974	39.40	39.93	43.29	50.88	53.31	70.23	93.16	131.15	108.52	120.06
1975	45.80	45.80	46.71	50.13	62.68	105.93	135.95	215.17	266.57	294.76
1976	39.40	39.40	40.09	43.45	49.53	58.95	94.36	203.44	225.05	236.74
1977		24.93	26.35	27.43	30.06	32.91	36.02	81.41	164.07	198.05
1978	26.40	26.40	27.19	29.33	36.45	42.20	54.35	88.53	102.34	123.58
1979	51.20	53.40	55.91	61.76	73.94	97.71	106.26	143.73	264.87	234.94
1980	37.80	38.87	39.63	40.57	45.67	59.33	63.07	150.46	211.88	272.37
1981	28.60	30.30	34.11	37.89	48.11	55.01	72.34	103.93	111.60	116.45
1982	66.60	69.53	75.76	80.10	96.39	174.77	203.70	378.11	372.43	446.62
1983	64.40	72.67	79.29	96.85	113.20	127.72	137.00	175.30	209.51	548.91
1984										
MEDIA	41.86	43.04	45.31	50.35	60.37	80.99	101.75	152.42	197.13	238.61
DE PADRAO	12.97	12.03	13.21	15.99	19.13	31.02	37.73	67.22	66.15	97.51
COEF VAR	0.10	0.08	0.08	0.10	0.10	0.15	0.14	0.19	0.11	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
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1964	48.00	48.33	51.86	55.27	66.81	67.75	73.83	96.17	143.78	170.99
1965	62.32	65.63	67.63	75.16	87.36	134.01	179.62	405.83	393.18	483.99
1966	63.56	64.80	67.28	76.26	84.84	95.10	113.43	189.66	246.68	280.59
1967	32.30	32.57	33.56	40.94	46.10	51.26	54.71	61.22	139.61	211.93
1968	34.20	34.20	34.66	36.76	42.56	56.65	106.34	162.34	251.32	277.74
1969	54.44	54.44	55.78	58.77	81.30	106.22	111.18	135.72	177.43	212.51
1970	54.50	55.33	57.93	63.66	81.84	133.48	163.18	258.63	328.67	412.61
1971	35.00	37.13	41.62	47.28	55.15	64.12	75.91	172.03	195.40	262.48
1972	76.20	80.53	84.87	90.43	112.35	141.61	203.64	239.05	307.17	423.34
1973	58.60	60.67	64.45	68.31	78.70	88.55	149.24	172.00	200.81	323.02
1974	48.20	50.63	54.94	61.53	63.07	84.77	111.76	131.84	146.31	163.02
1975	56.80	59.00	61.33	64.78	83.73	132.60	169.45	270.57	331.99	368.22
1976	50.32	53.56	56.35	62.82	72.92	88.07	131.75	254.92	281.54	304.54
1977	29.90	30.43	31.04	32.90	36.83	38.45	44.35	102.20	199.81	245.72
1978	30.70	31.77	32.53	35.34	49.39	58.30	71.88	120.97	141.14	162.73
1979	71.60	72.67	78.96	83.15	97.75	124.40	134.22	171.86	317.16	286.65
1980	50.32	51.40	53.25	54.62	61.44	81.37	86.34	201.92	278.54	351.27
1981	41.80	44.27	49.58	53.99	67.75	76.27	95.45	132.33	146.34	154.18
1982	108.00	112.67	120.86	126.53	149.54	223.03	278.41	427.05	430.05	510.33
1983	102.00	105.33	119.14	141.00	167.20	197.15	204.23	228.37	264.15	504.53
1984										
MEDIA	55.44	57.27	60.88	66.47	79.33	102.16	127.95	196.73	246.05	305.52
D. PADRAO	21.48	22.44	24.97	27.83	33.14	47.98	58.70	94.75	87.46	115.02
COEF. VAR.	0.15	0.15	0.17	0.18	0.17	0.22	0.21	0.23	0.13	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
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1972	167.20	174.47		207.49	252.27	315.30	439.97	532.06	633.52	846.78
1973	127.60	135.40	152.67	165.14	179.05	276.61	300.34	393.10	477.64	690.82
1974	72.40	74.33	81.07	99.34	100.46	136.06	169.73	244.27	296.41	338.35
1975	127.00	129.00	133.31	144.24	175.46	298.86	355.55	522.39	621.99	692.31
1976	141.20	145.40	152.43	166.99	221.91	244.22	377.11	569.07	593.70	657.49
1977										
1978	61.20	63.23	69.93	79.15	103.85	121.78	158.89	280.85	346.87	383.34
1979	158.00	162.80	176.21	179.91	207.04	281.83	290.81	359.53	629.56	611.65
1980	129.00	133.00	143.39	152.96	169.49	246.45	239.61	425.55	591.53	713.37
1981	76.40	77.72	85.45	91.65	103.27	118.64	156.42	244.14	306.57	350.12
1982	222.00	230.00	250.41	275.66	355.57	483.26	580.53	858.21	867.52	1003.12
1983	222.00	224.00	240.76	285.67	352.01	386.47	432.34	508.36	581.98	1009.64
1984										
MEDIA	136.73	140.85	123.80	168.02	201.85	264.50	318.30	448.87	540.66	663.36
ID. PADRAO	54.46	55.82	80.59	68.10	90.01	112.17	135.05	179.31	171.19	236.21
ICOE. VAR.	0.16	0.16	0.42	0.16	0.20	0.18	0.18	0.16	0.10	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1960	5.60	5.74	6.50	8.12	8.88	14.11	20.55	30.68	34.48	38.32
1961	1.36	1.36	1.57	1.95	2.33	2.93	3.19	7.78	21.21	30.59
1962	1.53	1.53	1.61	1.79	2.29	3.79	6.15	13.06	18.54	19.34
1963	0.56	0.56	0.58	0.63	0.77	1.07	1.89	5.19	22.53	28.60
1964	0.30	0.86	1.13	1.56	2.73	3.28	3.60	8.11	13.56	18.47
1965	2.10	2.13	2.24	2.45	3.36	6.01	10.43	34.45	40.50	53.56
1966	2.70	3.23	3.59	4.22	5.23	6.13	7.77	16.38	27.40	40.50
1967	0.56	0.57	0.84	1.08		2.30	2.52	4.21		28.63
1968	2.30	2.37	2.96	3.38	4.24	8.27	11.21	14.87	17.40	19.52
1969	0.56	0.61		1.00	2.78	3.47	5.02	8.57	15.33	21.65
1970	3.86	3.96	4.52	5.08	7.40	11.88	14.44	28.22	30.37	37.43
1971	1.18	1.19	1.58	2.26	2.37	2.84	3.61	10.91	15.39	31.20
1972	6.83	7.96	9.44	9.86	10.56	16.74	25.02	36.40	41.23	55.93
1973	3.41	3.66	4.10	4.59	5.54	9.38	14.10	14.86	25.97	40.99
1974	3.82	4.13	4.47	5.42	5.51	5.90	6.96	10.25	12.88	16.30
1975	4.92	4.92	5.16	5.65	6.40	8.69	14.35	25.62	29.30	35.98
1976	5.20	5.47	5.93	6.92	7.80	9.76	15.31	24.19	29.05	34.98
1977	2.01	2.07	2.09	2.13	2.23	2.26	2.34	5.23	11.82	25.74
1978	2.10	2.10	2.11	2.24	3.43	4.96	5.28	12.54	18.57	19.90
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MEIA	2.71	2.88	3.36	3.70	4.66	6.51	9.15	16.40	23.64	31.46
DE PADRAO	1.88	2.07	2.34	2.59	2.69	4.35	6.64	10.32	9.17	11.41
COEF. VAR.	0.48	0.52	0.49	0.49	0.33	0.45	0.53	0.40	0.15	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1957	4.00	4.00	4.18	4.96	5.36	6.53	8.72	12.16	24.69	39.07
1958	8.30	8.30	8.77	10.05	13.87	19.15	22.99	37.22	50.24	53.62
1959	2.95	3.11	3.39	4.13	4.68	6.02	6.07	7.07	16.48	25.77
1960	5.60	5.92	6.62	8.59	9.64	14.31	20.87	33.45	37.17	41.95
1961	1.37	1.39	1.53	1.97	2.42	3.04	3.31	8.86	23.30	34.15
1962	1.63	1.68	1.84	2.01	2.75	4.28	6.66	13.99	19.77	20.80
1963	0.77	0.78	0.81	0.95	1.10	1.50	2.50	6.16	27.02	34.19
1964	0.75	1.14	1.63	2.00	3.29	4.18	4.49	9.90	16.50	22.57
1965	3.42	3.66	3.70	4.00	4.90	7.53	11.99	39.61	47.53	64.07
1966	3.42	3.67	4.16	4.75	5.90	6.78	8.38	19.04	31.73	46.71
1967	0.76	0.76	1.25	1.90	3.05	3.61	3.85	6.00		34.53
1968	3.04	3.42	3.61	3.82	4.53	9.04	11.69	16.45	19.43	22.45
1969	0.87	0.93	1.01	1.43	3.74	4.35	6.19	10.69	18.36	26.73
1970	3.30	3.94	4.46	5.90	7.89	14.08	16.84	33.81	36.46	43.94
1971	1.30	1.39	1.90	2.66	2.86	3.30	4.40	13.03	17.33	36.60
1972	10.18	10.33	10.71	11.82	12.78	19.07	28.56	41.95	47.64	65.36
1973	6.10	6.23	6.71	7.40	8.05	12.23	17.02	17.47	30.87	48.91
1974	4.90	4.90	5.13	5.92	6.01	6.48	7.43	11.63	15.31	19.40
1975	5.70	5.70	5.88	6.40	7.40	9.91	16.54	28.84	32.94	41.49
1976	7.39	7.67	7.99	8.40	9.23	11.74	17.03	26.68	32.56	39.82
1977	1.84	1.84	1.99	2.16	2.53	2.68	2.84	6.70	14.53	30.69
1978	1.84	1.84	1.99	2.41	4.41	5.82	6.14	15.60	22.59	23.72
1979	3.22	3.22	3.56	4.89	4.81	5.94	7.69	13.39	39.01	42.75
1980	3.22	3.22	3.32	3.63	4.27	7.17	7.59	16.94	35.39	41.15
1981		2.21	2.36	2.69	3.48	3.71	5.62	13.11	20.62	22.01
1982	8.80	10.30	13.93	15.07	18.26	36.67	40.88	57.70	62.17	73.60
1983	4.40	4.65	4.62	5.41	6.36	8.65	12.96	16.04	30.28	64.33
1984										
MEDIA	3.87	3.93	4.34	4.96	6.06	8.81	11.45	19.76	29.63	39.27
D. PADRAO	2.73	2.75	3.15	3.42	3.93	7.29	3.95	13.15	12.37	14.99
COEF. VAR	0.50	0.49	0.53	0.47	0.42	0.69	0.61	0.44	0.17	0.15

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1957	2.60	2.93	3.37	4.15	4.54	5.19	6.21	7.65	13.94	24.04
1958	5.70	5.85	6.43	7.83	11.56	18.98	20.10	27.69	38.24	39.42
1959	5.05	5.21	5.61	5.96	7.36	8.10	10.26	11.35	17.27	24.32
1960	7.50	8.15	9.74	10.96	11.49	14.43	20.87	25.38	27.31	30.95
1961	2.60	3.25	3.79	4.33	5.20	5.49	5.99	9.54	18.81	25.99
1962	2.20	2.29	2.38	2.49	2.99	4.61	7.03	9.91	13.62	14.02
1963	4.12	4.12	4.24	4.72	5.10	5.98	8.04	11.04	26.40	32.37
1964	2.60	2.73	3.06	3.44	4.16	4.51	4.91	8.25	10.82	15.73
1965	5.41	5.41	5.41	5.78	6.47	8.48	11.63	28.79	32.86	45.21
1966	3.69	3.69	3.94	4.18	4.87	6.25	7.11	9.84	21.15	36.94
1967	2.60	3.09	3.37	4.17	4.84	6.76	7.25	8.89	15.93	31.09
1968	4.07	4.40	4.49	4.95	5.75	8.30	12.44	15.37	17.27	18.32
1969	1.69	1.70	1.82	2.29	4.13	4.47	6.00	9.02	12.44	19.01
1970	4.55	4.69	4.86	5.35	6.81	12.59	15.28	24.73	29.58	33.37
1971	2.83	3.12	3.57	4.38	5.54	5.96	6.16	12.53	16.50	33.02
1972	5.08	5.56	6.11	6.68	7.24	11.56	15.20	26.25	34.33	47.97
1973	8.62	8.62	9.32	11.41	11.76	16.88	23.32	23.57	31.08	43.01
1974	4.55	5.84	6.67	7.62	8.65	9.38	9.76	12.51	14.10	16.66
1975	5.54	5.70	6.03	6.39	6.63	7.47	9.60	17.44	22.98	29.59
1976	6.52	6.52	6.73	7.08	7.86	9.00	13.58	19.94	28.88	33.58
1977	2.60	2.93	3.02	3.06	3.35	3.49	3.73	6.73	13.13	25.46
1978	2.20	2.49	2.70	3.08	3.81	4.55	4.55	11.40	15.06	16.50
1979	5.28	5.28	5.66	6.23	6.69	8.40	11.54	15.01	34.39	36.42
1980	6.60	6.60	6.60	6.79	7.13	10.40	10.21	16.93	27.99	31.73
1981	3.08	3.08	3.08	3.29	3.89	4.89	5.25	10.72	17.11	18.47
1982	9.00	9.32	9.75	11.83	14.99	22.64	26.47	42.07	51.62	58.29
1983	5.28	5.43	5.53	6.34	7.57	9.98	11.16	14.60	27.50	52.85
1984										
MEDIA	4.50	4.74	5.08	5.73	6.68	8.84	10.86	16.19	23.36	30.90
10.PADRAO	1.98	1.99	2.17	2.56	2.91	4.76	6.00	8.50	9.82	11.70
COEF.VAR.	0.19	0.18	0.18	0.20	0.19	0.29	0.30	0.28	0.18	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1957										
1958	13.48	13.80	14.98	17.50	27.37	42.36	47.14	64.13	90.66	95.84
1959	9.04	9.17	9.82	10.32	12.31	15.50	18.85	20.77	35.54	51.38
1960	15.40	16.56	21.09	21.32	24.67	34.23	44.48	63.91	68.46	76.42
1961	6.00	6.00	6.46	7.00	8.42	8.85	9.79	18.05	39.98	58.75
1962	5.80	5.90	6.06	6.42	8.10	11.45	17.24	27.76	36.01	38.01
1963	7.10	7.10	7.96	8.34	9.10	11.09	14.07	23.77	60.76	72.66
1964	6.70	6.70	7.63	8.53	9.95	10.81	11.69	21.97	31.37	41.75
1965	9.40	9.67	9.74	10.33	11.62	15.92	23.05	66.70	76.99	109.03
1966	7.50	7.77	7.93	8.21	9.47	13.19	14.70	22.57	49.51	77.56
1967	6.30	6.57	6.70	7.27	9.41	11.92	14.16	19.94	32.73	65.20
1968	7.10	7.10	7.87	8.52	10.04	17.06	29.85	38.96	44.06	46.81
1969	4.80	4.80	5.06	5.83	10.12	10.79	12.92	19.13	27.78	44.41
1970	8.20	8.33	9.00	10.14	13.46	27.34	33.66	66.81	69.96	82.35
1971	5.70	6.25	7.23	8.69	11.07	11.60	12.53	25.84	37.23	72.01
1972	12.10	12.57	13.06	14.12	15.72	24.18	33.91	64.91	80.78	116.71
1973	10.30	10.75	11.07	11.96	14.76	30.91	36.08	39.95	59.15	89.06
1974	11.08	11.40	11.97	13.34	14.80	16.47	17.82	24.80	30.36	35.77
1975	8.34	8.34	8.52	8.76	9.93	12.20	16.63	38.50	50.44	66.30
1976	11.33	11.50	12.43	13.43	13.83	15.86	26.71	46.05	59.43	72.18
1977	5.02	5.16	5.26	5.49	6.30	6.63	6.77	11.33	26.21	51.65
1978	3.81	3.98	4.26	5.09	6.18	7.59	8.76	25.43	33.56	37.46
1979	8.76	8.76	8.98	11.20	12.20	15.81	21.60	31.60	76.16	80.66
1980	8.76	8.76	9.20	9.92	11.00	17.67	18.70	32.65	59.87	68.59
1981	4.34	4.34	4.46	4.81	5.65	8.04	8.90	22.76	38.22	41.20
1982	16.02	16.90	18.92	22.18	29.68	58.36	65.85	101.68	110.57	131.13
1983	8.35	8.62	8.70	10.73	13.80	19.98	22.36	29.94	54.48	111.29
1984										
MEDIA	8.49	8.72	9.40	10.36	12.65	18.31	22.62	37.27	53.16	70.55
D. PADRAO	3.23	3.44	4.10	4.50	6.04	11.92	13.98	21.52	21.62	26.44
COEF. VAR.	0.14	0.16	0.19	0.19	0.23	0.42	0.38	0.33	0.17	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 150 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	15.00	15.33	16.37	18.63	28.99	42.65	45.32	58.91	65.89	106.90
1941	13.00	13.33	14.14	15.82	17.77	36.94	36.91	74.90	92.00	115.92
1942	4.25	4.25	4.39	4.48	4.97	5.89	7.58	9.89	33.50	58.30
1943	5.83	6.16	6.87	10.27	12.72	13.93	15.27	21.52	25.38	51.87
1944										
1945	6.16	6.49	7.20	9.26	11.03	14.51	16.50	28.20	44.15	53.39
1946	8.30	11.32	11.74	12.88	14.03	15.91	19.64	34.12	38.14	50.24
1947	11.32	11.60	11.74	12.85	15.83	24.05	37.16	39.99	47.32	60.46
1948	5.50	5.94	6.30	7.50	10.74	15.94	17.16	29.58	45.40	68.42
1949	7.64	10.20	11.55	12.40	15.58	17.73	18.43	27.37	47.26	62.13
1950	20.95	21.93	22.80	24.77	27.32	27.42	30.51	50.69	77.49	84.41
1951	13.50	13.83	14.87	14.95	14.78	19.92	20.49	25.90	57.29	57.60
1952	20.95	21.74	22.72	25.05	25.92	39.69	42.52	49.43	72.07	85.86
1953	25.91	27.25	29.48	36.11	41.18	48.83	59.26	71.95	122.57	132.85
1954	17.00	17.67	20.02	23.15	26.69	43.73	45.13	61.00	118.35	153.00
1955	16.00	16.17	16.71	17.40	18.69	21.74	26.73	55.95	67.13	89.82
1956	14.00	14.50	15.43	16.72	19.70	22.16	29.10	38.34	49.41	60.66
1957	13.90	11.46	12.37	14.41	17.75	16.73	19.50	23.99	44.98	73.27
1958	17.00	17.50	18.80	21.41	29.58	45.27	54.63	79.27	112.31	118.66
1959	12.16	12.72	13.31	13.84	16.42	19.37	25.24	26.71	41.23	61.49
1960	18.59	20.16	23.28	25.31	31.48	48.71	62.90	82.30	96.63	104.99
1961	7.81	8.02	8.43	10.31	12.10	12.62	13.47	24.09	53.10	79.19
1962	8.80	9.22	9.53	9.86	11.39	16.21	24.34	37.32	51.44	52.71
1963	8.47	8.58	10.09	14.43	15.01	15.86	18.45	38.74	86.41	101.10
1964	9.64	9.92	10.84	11.85	13.67	14.57	15.35	27.38	39.54	54.47
1965	9.64	10.34	11.26	12.60	13.06	17.53	26.38	36.94	102.18	144.33
1966	8.13	8.14	9.32	8.74	10.91	15.64	17.52	27.69	63.53	92.46
1967	6.19	6.49	6.68	7.20	10.75	13.31	15.92	20.19	42.79	51.43
1968	8.47	8.86	8.87	9.62	11.47	19.32	42.99	51.59	59.10	64.08
1969	6.16	6.60	6.83	8.00	13.19	14.91	17.34	24.09	41.19	63.99
1970	9.64	9.64	10.24	11.32	15.18	35.62	46.59	92.90	29.23	110.44
1971	7.82	7.15	8.24	9.62	12.57	13.41	14.73	32.22	48.86	92.30
1972	15.00	15.33	16.14	17.84	28.27	33.22	45.93	65.07	108.33	153.60
1973	14.50	14.83	15.21	15.99	18.59	37.70	41.18	47.86	75.94	115.67
1974	12.16	13.22	14.78	15.89	17.64	19.76	21.61	32.43	41.17	47.53
1975	11.57	11.89	12.31	12.98	15.27	18.66	23.34	52.57	68.63	67.25
1976	14.36	15.02	15.44	16.08	17.75	31.31	36.97	63.72	80.40	96.74
1977	6.27	6.7	6.27	6.34	6.97	7.12	7.65	14.44	34.00	63.87
1978	5.15	5.43	5.79	6.66	7.77	9.38	11.45	35.44	44.37	51.65
1979	8.68	9.99	10.40	10.84	13.74	10.65	25.46	38.45	94.24	101.05
1980	11.19	11.25	11.77	12.26	13.89	23.45	26.93	46.74	80.53	90.85
1981	7.07	8.37	9.17	10.09	10.12	11.16	12.24	31.88	55.27	58.24
1982	20.93	23.36	25.73	30.85	42.00	36.11	34.97	148.21	152.73	184.90
1983	8.99	10.34	11.74	12.25	17.65	16.20	29.38	43.44	73.59	154.36
1984										
MEDIA	11.20	11.70	12.55	14.11	16.80	23.51	26.72	45.43	65.67	86.01
D. PADRAO	5.26	5.55	6.06	6.98	8.50	15.40	17.73	26.85	29.95	36.96
COEF. VAR.	0.22	0.22	0.23	0.24	0.26	0.42	0.38	0.35	0.21	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1974										
1975										
1976	4.02	4.02	4.29	4.80	5.63	8.51	17.96	35.03	40.26	46.33
1977	2.09	2.09	2.36	2.43	3.39	3.72	4.55	10.68	28.00	32.45
1978	2.09	2.09	2.36	2.67	3.11	4.36	7.76	15.40	19.24	33.06
1979	4.66	4.66	4.75	5.07	9.10	13.66	15.48	25.64	58.33	50.37
1980	3.37	3.37	3.74	3.89	4.02	6.27	7.28	16.61	27.14	41.79
1981	2.73	2.94	3.37	3.72	4.15	5.42	9.24	15.02	18.08	20.65
1982	9.78	9.65	9.90	11.72	15.68	36.72	52.75	76.50	84.31	96.92
1983										
1984										
MEDIA	3.96	4.12	4.40	4.90	6.44	11.24	16.43	27.84	39.34	45.94
D. PADRAO	2.33	2.52	2.59	3.17	4.56	11.72	16.70	22.96	24.21	24.57
COEF. VAR.	0.35	0.40	0.35	0.42	0.50	1.09	1.03	0.68	0.38	0.29

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
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1943										
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1976										
1977										
1978	0.60	0.60	0.70	0.79	1.07	1.42	1.64	3.49	4.28	5.33
1979	1.52	1.54	1.55	1.57	1.67	2.02	1.95	2.64	6.30	6.52
1980	1.58	1.58	1.70	1.97	1.98	2.68	2.59	4.96	6.69	7.89
1981	1.58	1.58	1.58	1.78	1.95	2.03	2.06	3.57	4.46	5.40
1982	1.58	1.99	2.06	2.18	2.38	6.03	8.52	15.59	16.75	21.74
1983	1.58	1.64	1.90	2.09	2.21	3.88	4.33	5.67	8.55	22.40
1984										
MEDIA	1.41	1.49	1.58	1.73	1.88	3.01	3.52	5.99	7.84	11.55
D. PADRAO	0.40	0.46	0.48	0.51	0.46	1.70	2.63	4.83	4.64	8.21
CDEF. VAR.	0.08	0.10	0.09	0.09	0.06	0.32	0.56	0.65	0.35	0.51

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	16.15	16.15	17.08	20.34	26.12	38.87	41.26	55.69	96.82	104.41
1941	15.05	19.45	27.51	34.96	38.64	89.00	112.81	133.63	158.10	166.42
1942	4.38	4.64	5.05	5.39	6.52	10.36	12.91	15.77	32.49	80.52
1943	5.10	5.47	6.21	7.19	7.95	10.66	13.27	37.22	46.15	90.54
1944	4.12	4.38	4.68	5.58	7.42	10.76	10.89	15.13	17.17	17.38
1945	9.72	11.15	13.09	15.23	18.63	28.55	32.95	35.69	86.51	92.08
1946	10.15	10.72	11.93	13.45	15.26	17.60	21.41	68.62	78.30	100.17
1947	13.95	14.50	14.89	18.57	26.72	39.60	40.73	60.22	85.50	102.46
1948	5.52	5.73	6.27	6.98	7.75	11.95	17.41	24.92	44.84	73.62
1949	7.38	7.69	8.79	11.49	16.48	30.06	36.66	47.75	51.73	52.39
1950	8.00	8.14	8.49	9.35	10.67	12.37	17.03	61.91	93.73	92.14
1951										
1952	10.40	11.12	12.19	14.28	17.38	30.55	34.97	57.96	96.91	101.47
1953	10.94	12.65	14.92	18.55	30.11	55.56	59.53	81.39	116.67	142.69
1954	13.10	13.32	15.21	18.76	26.22	35.87	42.51	63.62	139.22	180.97
1955	7.70	7.70	8.24	10.00	13.70	21.99	26.11	56.59	70.78	100.62
1956	6.14	6.66	7.33	8.50	12.15	15.26	21.70	33.84	37.02	63.80
1957	3.80	4.84	5.64	7.48	10.91	15.91	23.29	37.62	49.78	141.15
1958	7.31	7.44	7.61	16.40	23.26	27.11	29.06	53.34	86.99	93.66
1959	5.36	5.62	6.20	7.03	7.98	12.56	13.66	16.18	23.13	33.32
1960	9.86	11.12	12.12	13.59	20.09	39.18	39.75	83.35	95.34	93.31
1961	7.31	7.57	7.80	11.04	13.52	15.24	18.61	35.21	88.68	114.07
1962	5.36	6.53	8.36	10.31	14.88	20.97	31.13	81.33	79.15	87.97
1963	6.92	7.31	8.38	11.09	13.85	26.87	31.91	58.38	121.29	111.15
1964	6.92	7.80	9.29	12.74	15.58	17.55	26.69	29.84	46.63	60.41
1965	5.80	6.20	8.01	8.81	10.25	10.72	22.90	130.33	161.53	200.99
1966	2.80	3.13	3.92	6.86	16.56	32.39	39.29	84.19	127.12	129.34
1967	3.60	3.60	3.81	5.08	7.03	11.28	13.20	24.55	54.68	85.67
1968	6.14	6.40	6.92	7.30	10.91	18.18	32.11	66.16	101.51	121.13
1969	6.53	6.79	6.81	8.40	15.96	26.97	26.74	35.31	67.36	85.57
1970	5.26	5.62	6.42	7.24	11.49	45.19	62.85	110.45	128.01	168.73
1971	6.14	6.53	7.96	10.25	11.70	12.79	16.23	44.88	61.29	100.72
1972	15.78	17.34	18.46	23.23	27.57	55.74	78.95	96.78	128.99	179.18
1973	5.73	17.12	17.69	20.92	31.24	40.38	50.42	54.11	75.03	130.55
1974	10.00	10.17	10.74	12.96	17.52	19.98	22.75	39.92	46.82	56.84
1975	9.03	10.57	11.65	12.70	19.99	19.42	36.62	95.90	118.31	141.91
1976	13.88	15.18	15.44	16.61	21.15	27.62	51.36	91.81	102.43	115.53
1977	3.65	3.92	5.01	5.63	8.58	9.16	11.06	24.05	59.26	74.46
1978	3.92	4.70	5.71	6.30	6.95	9.25	19.77	47.83	55.02	77.58
1979	14.61	15.58	17.27	20.07	30.82	46.67	43.95	61.18	129.27	118.80
1980	5.45	7.25	8.15	9.53	12.09	27.14	26.33	61.43	88.18	113.86
1981	3.92	4.28	5.33	7.73	10.93	17.96	24.88	41.97	52.53	58.25
1982	32.60	34.39	38.15	40.09	47.48	86.92	115.70	171.15	178.62	216.76
1983	9.50	12.23	13.27	17.94	31.15	37.61	48.95	62.41	87.38	171.48
1984										
MEDIA	8.73	9.46	10.65	12.94	17.47	27.90	34.89	60.22	85.27	108.05
DE PADRAO	5.34	5.74	6.52	7.09	9.35	18.44	23.21	33.30	38.30	43.56
COEF VAR.	0.38	0.37	0.37	0.33	0.29	0.44	0.44	0.31	0.26	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	256.00	261.40	274.51	341.95	403.66	503.74	525.11	621.67	743.32	946.35
1941	205.00	213.50	229.81	254.86	280.60	490.06	484.75	795.41	895.38	1014.11
1942	58.60	58.60	58.60	61.07	74.55	90.09	100.30	134.70	277.88	465.01
1943	80.40	80.40	81.77	85.11	90.23	126.55	157.14	278.60	343.31	638.00
1944	41.90	42.83	45.10	50.82	56.23	78.98	91.19	120.30	159.10	183.00
1945	104.00	108.00	111.00	126.16	136.24	173.21	193.22	267.43	508.49	556.99
1946	125.00	125.00	125.00	146.23	155.75	180.60	253.53	412.70	439.15	601.29
1947	162.00	167.73	178.59	209.94	286.01	370.66	398.15	539.03	641.36	727.43
1948	73.20	74.80	80.96	89.43	100.75	164.68	160.18	270.51	358.04	606.48
1949	93.50	96.83	111.04	137.73	180.82	229.72	258.23	308.48	385.72	515.37
1950	111.00	112.17	118.00	126.17	160.37	162.06	196.19	524.54	686.63	699.78
1951	66.00	67.60	72.51	78.64	83.83	117.68	120.10	217.32	522.14	490.75
1952	125.00	127.47	136.63	149.07	188.00	275.07	296.39	385.86	619.13	732.61
1953	154.60	162.40	175.91	225.87	338.15	459.34	504.67	637.91	979.27	1071.68
1954	162.00	163.00	169.57	175.33	257.09	301.30	311.33	485.87	1023.22	1398.74
1955	162.00	169.00	183.57	220.33	260.52	338.15	356.61	628.34	708.32	896.03
1956	122.00	125.33	134.14	179.05	219.19	328.20	299.81	412.95	475.28	614.39
1957	139.00	141.00	149.71	176.61	188.50	242.93	295.06	421.60	619.31	1115.37
1958	165.00	175.00	198.57	206.67	316.65	400.25	437.21	622.78	916.58	977.48
1959	104.00	105.33	107.57	115.29	140.01	178.99	198.20	251.67	347.66	478.99
1960	170.60	174.90	179.81	185.22	266.32	393.55	435.12	719.35	794.25	871.27
1961										
1962	90.00	91.50	95.93	103.77	134.28	211.62	302.15	492.18	600.89	626.10
1963	132.40	134.87	139.27	146.46	193.15	249.03	260.94	345.07	774.10	809.21
1964	106.00	112.00	117.57	126.80	141.63	148.38	173.26	252.67	373.83	498.78
1965	135.00	137.67	142.29	156.13	183.87	266.00	414.35	1059.61	1112.33	1429.04
1966	132.00	133.67	139.71	158.20	174.23	227.40	262.22	441.33	719.09	898.67
1967	44.50	48.17	57.36	69.70	91.08	121.84	137.32	166.98	348.25	659.24
1968	67.60	89.20	93.66	96.84	112.99	179.45	343.79	505.94	668.54	738.30
1969	125.00	127.47	131.29	139.79	185.47	262.93	268.50	348.17	499.02	620.83
1970	125.00	131.17	140.33	155.64	203.41	470.27	529.51	869.93	967.28	1197.13
1971	92.00	93.67	98.94	109.57	122.29	141.58	189.26	419.48	511.16	821.16
1972	215.00	220.33	241.14	253.87	316.70	433.41	619.21	788.06	968.08	1335.35
1973	162.00	172.17	195.63	206.06	244.58	413.43	426.17	526.61	685.66	1057.21
1974	109.00	113.00	123.14	137.07	146.33	196.30	234.82	340.31	415.52	479.77
1975	125.00	136.57	148.96	163.65	212.30	361.91	442.52	734.98	883.05	1021.16
1976	132.40	143.50	158.99	183.75	265.14	295.94	503.91	786.57	857.48	974.21
1977										
1978	85.20	86.00	90.36	100.47	125.08	147.80	196.99	391.11	478.76	552.55
1979	192.10	194.97	202.16	244.27	290.78	393.23	385.42	475.93	1020.63	977.45
1980	158.30	158.30	170.24	191.87	211.33	318.80	300.15	577.47	841.68	1042.89
1981	139.80	144.73	151.96	156.77	170.75	197.86	239.29	370.88	479.17	543.24
1982	358.00	362.00	372.00	422.64	551.48	827.43	955.33	1366.73	1444.62	1698.58
1983	162.00	163.43	171.21	217.30	275.87	437.39	534.55	588.41	767.45	1683.43
1984										
MEDIA	133.07	136.87	145.37	163.87	203.24	281.15	328.58	497.75	663.34	839.65
10 PADRAO	57.35	58.51	61.62	72.47	76.82	147.53	167.33	250.30	266.80	336.71
COEF. VAR	0.19	0.18	0.18	0.20	0.23	0.28	0.26	0.25	0.16	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950	140.00	141.67	145.00	153.00	190.23	193.13	233.50	635.38	849.19	879.67
1951										
1952	141.00	145.00	149.29	160.00	211.00	309.45	325.06	418.59	704.05	844.37
1953	211.00	238.33	247.14	273.00	395.90	549.60	567.28	712.65	1153.76	1268.77
1954	170.00	183.67	190.00	192.20	293.67	334.73	346.94	546.83	1218.54	1611.37
1955	162.00	170.67	188.29	221.73	277.53	357.17	374.08	698.38	817.24	1022.12
1956										
1957										
1958	200.00	205.00	216.86	262.54	337.28	432.44	477.33	694.92	1013.05	1081.69
1959	108.81	109.39	112.04	121.02	151.80	198.22	211.67	268.00	377.47	524.49
1960	198.70	200.23	205.23	210.90	283.83	422.24	476.21	818.03	902.93	979.11
1961	112.27	116.42	126.70	142.91	146.41	176.78	186.95	356.42	800.26	969.30
1962	105.00	110.33	111.00	115.24	144.08	234.22	327.30	553.12	669.34	694.90
1963	139.00	143.33	153.71	173.73	217.31	264.81	281.26	380.57	866.55	913.32
1964	127.00	128.67	129.43	136.07	154.09	159.04	186.35	277.35	422.08	553.56
1965	145.20	145.20	151.66	167.39	200.34	298.79	455.31	1185.41	1252.65	1614.13
1966	145.20	145.20	150.97	169.65	201.79	250.01	296.16	525.53	835.38	1030.77
1967	84.86	84.86	87.40	91.11	110.08	136.16	153.52	189.30	396.06	728.93
1968	103.62	105.93	108.81	111.36	126.89	202.76	398.16	565.64	740.24	818.33
1969	132.00	134.00	139.29	148.32	197.56	283.55	289.25	378.25	552.98	692.26
1970	126.60	131.67	141.34	158.79	297.54	518.34	589.60	952.12	1067.69	1306.31
1971	95.70	99.58	105.83	117.20	128.81	149.22	202.28	456.24	556.18	900.92
1972	227.00	231.33	250.57	262.80	327.29	467.76	670.12	855.84	1055.20	1458.47
1973	185.00	190.50	202.21	213.30	251.62	455.66	469.73	570.10	751.59	1146.93
1974	136.00	137.00	145.14	161.87	167.83	211.23	249.41	365.99	456.03	528.61
1975	154.00	156.40	162.57	175.85	222.81	381.40	450.70	797.52	971.89	1107.23
1976	168.40	175.63	183.06	208.33	273.86	320.07	539.89	850.68	927.43	1055.13
1977	89.30	89.79	91.20	96.00	108.76	112.34	125.59	296.35	551.38	601.49
1978	93.74	94.23	98.11	105.81	126.18	149.81	200.66	416.34	516.22	610.98
1979	190.50	192.17	201.20	245.74	298.97	416.98	402.41	509.36	1091.09	1052.94
1980	161.20	161.20	176.51	182.68	205.78	326.53	307.99	619.85	937.09	1147.35
1981	121.20	123.60	128.77	132.51	147.83	176.23	215.85	375.30	499.83	556.95
1982	353.20	364.93	394.53	425.54	566.65	889.04	1037.06	1527.27	1560.30	1868.51
1983	249.80	253.10	271.06	331.81	443.29	521.23	567.67	688.52	876.54	1614.10
1984	168.40	170.80	176.00	198.20	255.71	387.85	569.54	690.37	876.45	1198.60
MEDIA	154.58	158.75	166.90	183.33	230.40	321.46	381.09	599.57	820.84	1018.18
D.PADRAO	54.87	57.50	62.67	71.91	102.85	162.13	189.81	280.71	279.37	347.46
COEF VAR.	0.13	0.13	0.14	0.15	0.20	0.25	0.25	0.22	0.12	0.12

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
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1945										
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1947										
1948										
1949										
1950										
1951										
1952	2.52	2.57	2.79	3.06	3.70	5.50	5.31	8.46	15.48	14.92
1953	3.16	3.32	3.43	4.12	6.01	8.61	10.13	10.95	14.93	19.00
1954	3.00	3.05	3.18	3.38	4.16	6.89	7.65	11.03	21.92	28.16
1955	1.86	1.97	2.17	2.54	2.78	3.04	3.36	7.95	12.03	16.76
1956	1.69	1.75	1.90	2.13	2.31	2.54	3.54	6.18	7.32	10.41
1957	2.52	2.63	2.75	3.05	4.08	5.49	6.81	7.21	9.44	22.24
1958	2.84	3.16	3.34	3.69	6.38	8.38	8.84	14.43	20.37	20.28
1959	2.11	2.17	2.44	2.81	2.97	4.14	4.17	4.33	5.36	7.04
1960	3.16	3.27	3.34	3.57	4.05	6.94	7.46	16.19	21.07	21.00
1961	3.00	3.05	3.14	3.50	3.78	4.39	6.36	8.11	16.60	19.56
1962	3.32	3.43	3.65	3.96	4.45	7.26	8.26	11.45	12.76	13.57
1963	2.68	2.89	2.95	3.02	3.62	4.49	6.39	12.68	19.11	18.55
1964	3.16	3.32	3.50	4.10	4.48	5.40	6.27	6.75	9.45	11.21
1965	3.64	3.64	3.66	3.92	4.81	6.08	9.41	26.24	31.08	35.03
1966	2.84	3.00	3.30	3.49	3.82	5.22	5.86	15.85	22.95	23.84
1967	1.30	1.30	1.39	1.79	2.26	2.66	3.33	5.75	8.46	12.95
1968	1.30	1.30	1.31	1.54	2.29	3.53	4.71	10.25	15.66	18.33
1969	2.52	2.95	3.21	3.57	4.52	7.35	7.49	9.50	12.52	14.73
1970	3.16	3.21	3.30	3.36	3.99	8.96	12.40	19.74	20.22	26.90
1971	2.20	2.57	2.77	3.12	3.26	3.55	4.66	6.91	8.29	14.58
1972	3.48	3.73	4.33	5.45	6.86	14.57	18.12	20.01	24.23	29.13
1973	3.48	3.48	3.80	4.83	8.11	9.72	10.49	12.85	17.22	23.36
1974	2.52	2.68	2.82	3.35	3.59	4.03	5.19	10.99	11.95	13.33
1975	3.59	3.72	4.21	4.80	5.69	7.95	8.78	18.23	23.37	24.30
1976	3.19	3.39	3.50	3.82	4.15	6.35	10.48	13.75	16.83	18.77
1977	0.98	1.03	1.17	1.52	1.57	1.73	1.85	3.70	10.29	11.31
1978	1.26	1.40	1.87	2.25	2.97	3.10	3.30	9.42	10.20	13.98
1979	2.99	3.19	3.42	3.61	5.80	8.80	8.67	10.70	19.22	17.94
1980	2.20	2.33	2.60	2.99	3.90	9.18	9.00	13.86	17.82	19.68
1981	1.35	1.38	1.56	2.07	2.93	3.71	5.09	8.25	8.62	10.69
1982	4.90	5.07	6.58	7.76	10.27	13.75	20.48	30.46	32.85	38.88
1983	3.23	3.39	3.74	5.14	5.61	7.22	9.07	10.35	14.17	28.93
1984	0.95	1.67	2.40	3.13	4.73	6.62	9.12	9.64	11.85	16.13
MEDIA	2.61	2.76	3.02	3.47	4.36	6.28	7.64	11.88	15.88	19.26
D. PADRAO	0.90	0.90	1.04	1.23	1.78	2.98	3.94	5.91	6.62	7.25
COEF. VAR.	0.12	0.11	0.12	0.13	0.17	0.23	0.27	0.25	0.17	0.14

ANO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO	DURACAO
	1 DIA M3/S	3 DIAS M3/S	7 DIAS M3/S	15 DIAS M3/S	30 DIAS M3/S	60 DIAS M3/S	90 DIAS M3/S	180 DIAS M3/S	270 DIAS M3/S	365 DIAS M3/S	
1940											
1941											
1942											
1943											
1944											
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1949											
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1956											
1957											
1958											
1959	2.98	3.37	3.81	4.21	4.42	5.76	6.09	6.72	8.02	10.42	
1960	5.01	5.20	5.65	5.70	6.55	9.88	11.04	22.13	27.55	26.98	
1961	3.85	3.95	4.06	4.58	5.13	6.18	9.12	11.51	21.43	25.83	
1962	4.43	4.53	4.92	5.24	6.60	8.93	11.59	14.57	15.80	17.05	
1963	3.56	3.85	3.97	4.12	5.14	6.58	8.15	15.20	25.84	24.28	
1964	4.14	4.33	4.72	5.44	6.49	7.35	8.25	9.12	12.51	14.43	
1965	4.43	4.62	4.68	5.02	6.16	7.56	11.65	33.36	39.45	45.62	
1966	3.85	3.85	4.35	4.57	5.07	6.75	7.47	18.92	28.05	28.96	
1967	2.00	2.00	2.09	2.43	2.64	3.68	4.55	7.62	10.35	16.44	
1968	1.60	1.60	1.60	2.11	3.29	4.82	6.54	12.99	20.01	23.84	
1969	4.14	4.62	4.97	5.62	6.91	9.72	9.79	12.26	17.09	20.23	
1970	4.72	4.91	5.36	5.67	6.68	12.71	18.40	28.42	28.62	39.09	
1971	2.98	3.75	4.26	5.43	5.57	6.03	7.35	11.14	13.60	22.95	
1972	7.27	7.55	8.29	9.85	11.50	21.45	26.22	29.11	34.61	43.85	
1973	6.30	6.40	6.83	8.28	12.18	14.12	15.59	17.58	23.86	33.37	
1974	4.72	4.82	4.94	5.68	6.34	7.95	10.11	17.95	19.05	21.59	
1975	6.40	6.83	7.26	8.06	9.32	12.40	13.14	25.81	34.04	35.52	
1976	5.30	5.79	6.15	6.74	7.71	11.32	15.26	19.31	24.13	27.66	
1977	1.57	1.57	1.97	2.39	2.62	2.90	3.43	6.83	15.26	17.21	
1978	2.19	2.51	2.96	3.58	5.59	5.91	6.62	14.65	15.91	22.10	
1979	5.44	5.87	6.31	6.49	10.23	12.68	13.09	15.76	29.60	27.51	
1980	4.49	4.59	4.94	5.50	6.77	13.38	12.96	18.96	26.08	28.74	
1981	0.87	1.42	1.68	2.42	3.03	5.45	7.13	10.88	13.71	16.43	
1982	9.41	9.70	10.15	11.30	15.42	20.16	28.90	47.16	48.31	57.19	
1983	5.67	5.67	6.58	8.63	9.30	11.93	13.34	15.45	22.92	50.68	
1984	1.11	1.74	3.67	5.18	6.14	9.00	12.75	15.78	18.42	24.45	
MEDIA	4.17	4.42	4.85	5.55	6.80	9.41	11.48	17.66	22.85	27.79	
DD PADRAO	1.99	1.98	2.02	2.27	3.04	4.58	5.96	9.12	9.43	11.57	
COEF. VAR.	0.23	0.20	0.17	0.17	0.20	0.24	0.27	0.27	0.17	0.17	

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948	8.00	8.00	8.22	8.53	9.15	10.96	11.38	14.31	29.99	39.30
1949	6.00	6.08	6.43	6.72	8.06	8.48	9.66	13.51		31.44
1950										
1951	6.00	6.00	6.00	6.00	6.22	7.34	7.74	13.17	28.21	25.56
1952	11.63	12.07	12.82	14.65	16.62	20.57	21.35	23.06	30.27	35.59
1953										
1954										
1955										
1956	10.31	10.48	10.83	12.75	13.75	15.66	20.05	21.30	26.62	32.06
1957	8.51	8.60	8.84	9.47	11.06	11.80	12.57	16.31	26.85	43.72
1958	18.14	18.33	18.58	19.63	26.23	34.61	36.02	45.67	59.22	61.74
1959	8.00	8.00	8.15	8.33	9.01	9.83	10.81	14.42	29.42	36.72
1960	15.38	15.65	16.32	17.05	19.29	24.51	28.04	33.34	43.36	46.86
1961	8.00	8.00	8.74	9.97	11.89	15.44	15.94	21.13	44.12	48.58
1962	8.00	8.00	8.77	9.73	10.91	14.23	19.48	23.66	26.56	28.17
1963	8.00	8.00	8.66	9.54	10.88	12.58	15.32	27.08	61.21	61.30
1964	8.00	8.00	8.07	9.36	11.61	13.69	13.60	18.44		31.30
1965										
1966	10.53	11.01	11.17	11.52	12.56	15.89	16.88	22.51	41.30	63.33
1967	8.51	8.77	9.06	9.76	10.90	12.77	13.84	17.16	31.11	51.54
1968	11.89	11.98	12.38	13.02	14.49	20.09	25.67	31.50	34.48	36.06
1969	8.51	8.68	9.17	9.75	11.12	12.82	13.96	20.82	26.39	35.16
1970										
1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	9.63	9.74	10.13	10.93	12.58	15.37	17.19	22.20	31.71	41.67
COEF. VAR.	0.19	0.26	0.32	0.55	4.69	6.63	7.32	8.46	16.11	12.04
COEF. VAR.	0.11	0.11	0.11	0.11	0.14	0.19	0.18	0.15	0.26	0.08

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
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1959										
1960										
1961										
1962	9.00	9.00	9.53	10.64	12.62	15.42	21.04	26.60	30.58	32.68
1963	6.00	7.83	8.50	9.24	10.23	12.19	15.63	28.07	62.95	64.50
1964	10.59	10.98	11.76	12.97	13.41	16.47	16.10	21.42	29.41	37.13
1965										
1966										
1967	8.00	8.17	8.36	9.30	10.80	13.40	14.77	19.27	35.33	56.01
1968	12.93	13.13	13.60	14.26	15.33	21.62	27.64	35.06	40.10	42.17
1969	9.00	9.00	9.50	10.12	10.88	13.62	15.12	23.71	30.30	40.19
1970										
1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	9.25	9.68	10.21	11.09	12.21	15.45	18.38	25.69	38.11	45.45
ID. PADRAO	2.35	2.01	2.06	2.07	1.95	3.38	5.09	5.61	12.82	12.21
COEF. VAR.	0.06	0.04	0.04	0.03	0.03	0.05	0.08	0.05	0.11	0.07

POSTO: 73480000

VAZÕES MINIMAS SELECIONADAS (m3/s)

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
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1969										
1970										
1971					8.29	10.03	13.25	18.50	36.85	76.41
1972	7.10	7.18	7.25	7.38	8.29	10.03	13.25	18.50	36.85	76.41
1973	8.89	10.15	10.61	11.80	24.86	46.62	60.29	86.99	115.30	169.50
1974	22.20	29.25	43.06	48.73	52.27	61.75	68.55	72.81	84.24	132.45
1975	3.23	11.43	14.37	15.40	18.36	21.07	26.32	42.53	53.78	59.76
1976	7.34	10.92	13.04	19.09	21.99	24.95	27.69	50.52	72.24	77.91
1977	11.70	22.13	26.30	37.52	45.17	47.64	54.08	67.51	84.06	88.79
1978	7.10	7.31	12.76	14.28	23.86	27.25	30.48	38.24	54.27	71.54
1979	7.90	9.42	10.94	13.14	15.76	23.84	23.07	37.68	39.31	41.21
1980	3.67	10.43	11.75	16.12	23.30	28.80	40.90	70.40	119.34	113.26
1981	7.50	9.25	13.46	18.79	22.24	23.52	24.05	37.24	53.45	65.78
1982	8.34	11.71	16.85	20.45	22.23	23.61	26.04	37.12	46.90	49.06
1983	21.20	21.87	23.65	33.94	41.85	56.46	65.00	130.76	132.76	166.89
1984	10.90	18.58	20.70	23.15	28.44	34.54	42.11	62.59	102.94	129.49
MEDIA	10.54	13.82	17.29	21.52	26.82	33.24	33.60	58.53	76.57	95.54
AMBRAD	5.14	6.86	9.47	11.73	12.39	15.50	18.05	30.78	32.55	42.78
DE VAR	0.24	0.25	0.30	0.30	0.21	0.22	0.22	0.28	0.18	0.20

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941	293.00	293.20	314.79	332.23	436.59	750.21	687.00	1066.76	1217.24	1370.88
1942	87.40	87.40	89.25	91.84	107.93	128.58	157.33	184.51	409.69	688.43
1943	129.00	130.00	132.00	135.95	138.46	169.27	212.22	390.52	477.51	854.16
1944	73.80	75.87	78.54	85.61	90.83	113.33	123.42	157.82	217.36	241.38
1945										
1946	168.80	173.13	189.77	195.23	211.15	250.26	375.46	556.79	603.40	864.67
1947	189.00	192.00	199.29	226.27	335.24	454.16	490.20	714.45	883.71	1024.05
1948	92.95	100.55	107.97	122.56	133.73	216.47	211.81	348.03	504.09	867.94
1949	116.00	120.00	132.43	163.73	229.81	284.81	334.52	403.71	554.84	683.07
1950	144.00	147.00	154.00	170.20	224.70	225.32	278.14	792.16	1059.85	1074.35
1951	86.00	86.50	87.47	89.13	94.38	133.95	145.73	276.74	721.73	667.26
1952	177.20	180.93	188.61	206.14	236.93	363.21	370.34	489.55	822.68	967.71
1953	265.00	269.67	277.00	315.45	432.86	612.74	667.73	822.35	1316.16	1466.14
1954	195.00	206.00	223.29	227.37	316.43	358.22	378.94	624.55	1412.17	1890.10
1955	225.00	227.20	238.20	259.38	311.73	392.41	416.21	761.49	907.06	1151.91
1956	147.80	154.73	160.86	195.32	243.15	269.40	351.79	498.17	587.46	785.24
1957	160.80	164.27	176.23	221.95	225.58	293.71	353.33	497.84	732.50	1421.91
1958	244.80	251.40	258.70	296.12	414.80	541.01	624.49	907.55	1289.62	1341.73
1959	126.80	128.27	132.14	139.31	167.13	244.51	271.02	302.73	441.54	629.90
1960	255.00	259.67	262.57	266.07	356.43	512.06	564.32	1008.61	1126.89	1232.34
1961	140.00	140.87	148.91	181.91	183.01	228.42	242.57	461.59	1020.26	1243.31
1962	140.00	145.00	151.43	156.59	186.98	309.05	418.34	689.65	821.61	863.48
1963	171.60	174.40	183.90	212.21	266.39	348.36	344.11	492.61	1148.87	1181.75
1964	155.60	163.60	170.40	179.43	193.58	202.49	235.76	345.86	515.23	680.06
1965	261.50	388.00	388.00	388.00	389.00	534.45	929.16	1535.98	1640.70	2104.03
1966	191.20	192.13	197.63	222.50	263.94	330.86	383.08	685.17	1041.25	1314.87
1967	114.10	117.43	119.01	124.63	146.44	180.93	204.89	266.01	523.58	955.24
1968	140.00	143.47	148.17	151.96	174.95	268.30	498.91	719.44	963.06	1066.97
1969	160.80	164.33	168.34	181.23	244.42	340.37	352.47	471.42	706.72	890.07
1970	171.60	175.33	182.00	202.05	262.35	639.44	764.45	1246.05	1344.91	1663.04
1971	120.20	126.80	134.20	155.17	163.73	179.92	236.56	537.00	666.56	1146.93
1972	282.00	293.00	320.71	329.27	404.88	613.81	849.93	1085.16	1360.74	1912.68
1973	254.70	272.00	278.50	293.61	343.35	597.33	606.35	706.89	949.78	1499.88
1974	180.00	187.47	193.90	208.21	217.32	275.73	318.80	486.90	613.27	690.25
1975	227.50	232.67	241.24	261.27	318.00	485.73	590.11	1006.51	1254.82	1418.61
1976	257.00	270.67	281.00	304.73	362.72	401.70	642.87	1025.99	1163.71	1352.28
1977										
1978	134.00	135.00	137.00	140.53	156.53	203.80	282.75	582.41	692.04	812.25
1979	302.00	306.00	321.43	367.83	451.45	597.58	579.58	689.26	1415.34	1355.29
1980	215.10	218.20	227.50	252.17	275.62	421.35	438.66	813.96	1197.12	1415.66
1981	166.80	181.47	195.39	200.07	223.06	279.63	320.12	538.59	703.00	745.17
1982	495.00	505.00	539.99	601.45	764.34	1147.75	1370.05	2044.49	2025.27	2455.29
1983	366.40	397.47	426.69	484.89	584.75	676.61	712.98	925.33	1255.53	2037.03
1984	264.00	275.67	282.43	324.45	406.00	552.88	766.22	978.69	1203.91	1542.98
MEDIA	192.58	201.52	210.50	230.21	278.33	384.06	454.83	693.79	940.78	1180.25
COEF. VAR.	0.39	0.83	0.85	1.04	1.35	2.07	2.49	3.67	3.81	4.59
COEF. VAR.	0.18	0.20	0.20	0.21	0.24	0.29	0.30	0.28	0.16	0.15

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1955	4.24	4.46	5.41	6.15	7.01	9.79	10.92	18.64	29.08	41.55
1956										
1957	3.91	4.13	4.78	5.77	7.15	11.01	13.44	19.25	22.39	63.56
1958	7.34	7.75	8.73	10.11	17.25	19.97	23.42	33.23	47.73	51.87
1959	4.90	5.71	5.95	6.57	6.89	8.74	9.88	11.66	16.06	22.58
1960	11.00	11.00	11.28	12.88	15.16	18.69	22.37	51.17	59.57	58.42
1961	7.34	8.15	8.30	8.94	10.70	13.80	22.53	30.67	50.08	52.21
1962	7.34	8.76	11.43	12.24	15.06	23.79	26.50	35.71	39.87	41.55
1963	7.95	8.15	8.30	8.76	9.70	11.79	13.13	34.84	46.57	46.47
1964	7.34	7.34	7.69	8.97	9.35	11.03	13.12	16.36	25.20	32.51
1965										
1966										
1967	6.12	6.12	3.69	1.72	7.52	9.37	10.54	15.54	26.75	33.86
1968	9.78	9.78	9.95	10.73	11.77	15.18	17.08	28.37	38.04	50.87
1969	11.00	12.29	13.22	15.33	20.99	26.95	27.58	32.28	43.81	49.89
1970	12.94	12.94	13.77	15.59	19.91	36.49	45.07	69.35	69.93	86.42
1971	10.39	10.30	11.33	12.77	12.98	16.06	21.33	32.19	35.24	48.95
1972	16.82	17.47	18.21	22.40	27.99	39.81	44.29	58.96	71.56	88.43
1973	13.91	14.88	17.14	19.54	25.45	34.23	38.36	41.38	53.83	71.89
1974	11.00	11.30	11.96	13.65	15.99	17.70	21.71	35.55	36.83	39.40
1975	11.97	12.94	14.19	15.40	16.37	21.96	23.62	48.14	62.62	67.67
1976	6.73	7.14	7.51	8.60	9.90	16.58	23.28	28.90	37.42	43.35
1977	2.92	3.14	3.30	3.67	3.76	4.31	5.14	8.72	24.98	31.52
1978										
1979										
1980	9.78	10.80	11.47	12.13	13.67	25.02	26.60	38.18	44.75	52.58
1981	7.95	8.15	8.39	9.53	10.89	13.93	16.19	30.94	40.37	41.28
1982	19.73	25.54	31.59	33.04	36.96	50.52	69.44	109.41	110.02	133.23
1983	12.94	13.91	16.27	19.73	23.58	29.60	31.61	34.54	48.96	93.43
1984	8.56	9.17	9.52	9.94	13.11	16.91	26.07	26.65	32.28	45.41
MEDIA	9.36	10.07	10.93	12.16	14.76	20.09	24.13	35.62	44.56	55.56
D. PADRAO	3.99	4.75	5.87	6.59	7.68	11.04	13.84	20.87	19.80	24.13
COEF. VAR.	0.18	0.22	0.29	0.29	0.27	0.30	0.33	0.34	0.20	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1976					0.65	0.82		2.10	5.84	6.89
1977	0.57	0.58	0.58	0.61	1.05	1.70	2.86	4.75	7.14	14.03
1978	0.87	0.89	0.95	1.03	2.63	5.32	5.35	7.71	17.35	17.49
1979	1.64	1.64	1.64	1.80	1.14	4.38	5.10	8.00	10.93	11.73
1980	1.07	1.07	1.07	1.09	0.78	0.90		3.88	9.57	11.71
1981	0.67	0.67	0.67	0.76	4.47	10.68	25.31	27.64	38.44	
1982	1.27	1.27	1.45	1.91	3.71	3.90	5.87	9.56	30.01	
1983	1.00	1.07	1.15	1.59						
1984										
MEDIA	1.01	1.03	1.07	1.26	1.29	3.04	3.99	8.23	12.57	18.61
DEV. PADRAO	0.36	0.36	0.39	0.51	1.04	1.86	3.67	7.81	7.59	11.39
COEF. VAR.	0.13	0.12	0.13	0.17	0.64	0.37	0.85	0.90	0.36	0.37

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
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1970	20.10	22.87	26.60	31.53	38.97	89.53	118.89	166.11	179.62	225.58
1971	18.30	18.73	21.03	24.21	27.09	32.99	39.22	68.68	77.11	122.32
1972	41.00	43.57	48.10	51.11	61.82	101.43	133.64	147.64	181.42	234.66
1973	28.85	31.55	35.41	39.89	55.31	73.99	80.57	89.38	126.32	181.22
1974	26.00	27.33	30.39	38.93	44.19	50.72	57.14	89.74	94.97	101.95
1975	32.80	37.06	38.68	41.51	46.25	56.22	59.91	130.55	172.34	176.28
1976	21.21	22.10	23.28	25.26	27.97	38.13	52.66	70.25	99.72	118.49
1977	10.74	11.30	11.94	12.70	14.23	14.79	17.57	28.28	69.62	81.67
1978										
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1983										
1984										
MEDIA	24.88	26.81	29.43	33.14	39.48	57.21	69.95	98.83	125.14	155.27
D. PADRAO	9.40	10.37	11.30	12.16	15.77	29.45	39.31	45.96	46.77	57.39
COEF. VAR.	0.14	0.15	0.15	0.13	0.16	0.26	0.32	0.22	0.14	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1960	25.30	26.17	28.14	29.92	36.71	51.48	58.93	130.69	150.22	147.78
1961	26.60	27.47	28.09	29.77	34.24	39.38	51.11	72.43	124.03	138.33
1962	30.95	31.65	33.91	36.33	40.45	54.82	74.73	97.15	110.73	115.88
1963	22.80	23.40	26.29	27.80	30.43	35.76	37.45	87.96	145.91	137.77
1964	23.60	24.30	25.14	26.69	28.44	33.22	36.69	47.14	70.74	87.00
1965	28.85	29.55	30.20	32.20	36.55	45.14	70.30	176.99	225.68	254.15
1966	32.00	32.00	32.34	33.52	37.73	49.85	56.28	98.61	149.54	154.18
1967	11.90	12.63	13.97	15.32	16.67	24.97	27.16	39.56	63.12	86.21
1968	17.00	18.33	18.71	19.04	21.61	27.93	34.52	65.20	96.14	126.95
1969	27.40	29.80	30.14	33.43	41.67	56.45	60.60	66.43	106.36	118.74
1970	32.20	32.60	33.91	37.14	46.20	92.17	124.97	181.11	191.91	242.79
1971	21.60	23.83	26.91	29.19	29.90	34.30	42.21	72.04	80.67	128.16
1972	45.75	47.00	50.75	53.58	64.36	105.88	144.34	156.97	192.71	246.00
1973	32.00	34.00	37.86	43.20	58.07	78.58	85.49	95.36	135.39	193.96
1974	35.00	38.00	41.86	46.10	54.80	58.96	64.42	98.05	103.93	111.58
1975	42.40	42.85	45.10	47.80	50.84	62.91	66.68	144.23	189.33	194.72
1976	31.90	32.58	33.07	35.37	37.67	47.20	60.00	78.24	111.31	132.77
1977										
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1983										
1984										
MEDIA	28.66	29.77	31.55	33.91	39.20	52.88	64.46	100.48	132.22	153.94
D. PADRAO	8.35	8.39	9.03	9.84	12.66	22.19	30.85	43.03	46.76	53.39
COEF. VAR.	0.08	0.08	0.08	0.08	0.10	0.18	0.23	0.18	0.13	0.12

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1976						0.06	0.10	1.35	3.05	3.33
1977	0.02	0.02	0.02	0.02	0.03	0.31	0.54	1.29	2.34	5.69
1978	0.02	0.02	0.02	0.02	0.03	2.04	1.80	2.65	8.58	8.37
1979	0.18	0.23	0.29	0.40	0.84	1.31	1.27	2.51	4.87	5.14
1980	0.05	0.05	0.06	0.09	0.16	0.17	0.60	1.84	4.11	5.40
1981	0.03	0.03	0.03	0.04	0.04	1.44	3.59	11.02	10.91	15.44
1982	0.11	0.14	0.17	0.39	0.53	1.06	1.56	2.48	4.65	17.46
1983	0.18	0.23	0.33	0.56	0.84	1.63	3.03	3.87	4.66	6.95
1984	0.05	0.05	0.09	0.17	0.98					
MEDIA	0.08	0.10	0.13	0.21	0.43	1.00	1.56	3.38	5.40	8.53
D. PADRAO	0.07	0.09	0.13	0.21	0.41	0.74	1.23	3.20	2.89	5.16
COEF. VAR.	0.72	0.88	0.97	0.99	0.92	0.55	0.62	0.90	0.29	0.37

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1958					17.79	22.23	28.21	35.79	48.80	66.52
1959	16.20	16.20	16.37	16.84	17.79	22.23	28.21	35.79	48.80	66.52
1960	31.60	31.60	32.46	33.40	40.20	59.44	70.26	163.69	188.05	186.39
1961	28.60	28.60	29.60	32.14	37.13	45.13	64.37	91.41	150.41	178.53
1962	33.00	33.50	34.50	35.17	42.18	60.40	88.45	118.15	141.59	149.66
1963	26.80	27.03	27.64	29.55	32.96	40.81	43.53	104.30	164.02	171.64
1964	24.40	24.50	25.00	27.00	28.62	37.53	43.48	57.33	87.76	111.60
1965	32.00	33.00	35.07	39.23	45.02	54.46	99.45	243.04	306.10	548.05
1966	30.60	30.93	31.74	33.35	39.03	57.06	67.19	128.63	191.49	203.89
1967	17.70	18.03	18.86	20.34	21.96	33.98	37.85	56.02	84.32	113.50
1968	23.96	24.15	24.39	24.83	28.62	37.25	46.88	87.09	132.75	171.04
1969	31.40	31.60	32.49	37.75	52.05	72.18	77.89	90.63	140.38	158.95
1970	32.34	32.91	35.08	39.22	50.84	125.11	191.68	257.61	264.81	325.84
1971	29.76	30.99	31.59	37.13	38.13	43.58	52.09	93.59	106.00	170.52
1972	49.80	51.25	56.23	61.41	72.93	122.61	173.54	195.99	246.85	316.64
1973	32.00	32.83	38.50	45.96	65.68	91.46	100.34	119.17	169.05	248.92
1974	37.52	40.40	44.53	49.33	65.08	73.42	77.81	125.02	132.26	141.71
1975	42.66	43.79	46.76	50.41	56.63	73.10	75.21	172.22	226.85	238.06
1976	31.50	31.50	32.13	34.66	38.41	49.20	66.32	90.59	134.11	161.67
1977	12.80	13.23	13.54	15.28	16.35	17.25	19.68	34.70	90.78	106.90
1978	18.50	18.83	19.02	20.95	23.23	32.64	37.41	72.25	90.11	147.02
1979	30.62	31.77	32.74	37.43	53.65	92.08	89.29	113.09	213.26	209.97
1980	24.60	24.60	25.58	26.66	28.17	63.44	79.30	112.98	147.26	162.40
1981	15.20	15.37	15.99	18.53	19.81	25.69	33.83	72.18	111.82	119.39
1982	57.05	59.67	61.50	64.82	88.23	133.61	188.39	313.79	326.94	427.07
1983	40.76	42.20	47.65	62.71	75.28	84.96	89.55	105.55	155.08	310.47
1984	28.04	29.19	30.31	32.63	46.10	64.86	99.55	120.92	135.51	175.99
MEDIA	29.98	30.70	32.28	35.64	43.23	62.06	78.52	122.14	162.24	197.01
D. PADRAO	10.18	10.70	11.83	13.64	16.97	31.33	45.45	67.49	68.99	85.83
COEF VAR	0.12	0.12	0.13	0.15	0.19	0.25	0.34	0.31	0.18	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954	1.17	1.17	1.21	1.39	1.62	1.91	2.12	3.79	11.10	15.54
1955	1.17	1.19	1.33	1.44	1.73	2.22	2.39	4.13	6.69	9.81
1956	1.83	1.83	1.87	2.01	2.20	2.68	3.01	3.77	4.71	6.16
1957	1.92	1.92	1.99	2.17	3.11	3.40	3.66	4.51	5.62	11.08
1958	2.53	2.62	2.70	2.89	3.83	4.81	5.12	8.02	11.98	13.65
1959	2.02	2.02	2.02	2.17	2.66	3.22	3.64	4.52	5.44	6.68
1960										
1961										
1962										
1963										
1964										
1965										
1966										
1967										
1968										
1969	0.68	0.71	0.83	1.16	2.27	3.21	3.77	4.82	8.37	9.02
1970	1.40	1.43	1.60	1.89	3.08	5.60	8.92	11.12	11.49	16.47
1971	1.33	1.40	1.40	1.49	1.64	2.02	2.43	4.49	5.88	10.51
1972	1.09	1.18	1.21	1.42	1.83	3.54	4.40	10.14	13.10	18.08
1973	0.92	0.94	1.00	1.21	1.84	2.42	3.83	5.79	8.79	14.92
1974	1.02	1.03	1.09	1.26	1.64	2.36	5.42	6.97	9.24	9.10
1975	1.52	1.55	1.63	1.75	2.01	3.32	3.25	9.61	12.49	14.49
1976	1.42	1.42	1.43	1.55	1.76	1.88	2.68	5.98	9.40	10.45
1977	0.46	0.50	0.51	0.55	0.58	0.66	0.71	1.71	4.54	5.80
1978	0.51	0.51	0.52	0.55	0.69	1.50	1.96	4.01	4.94	8.08
1979	1.26	1.26	1.30	1.40	1.93	3.92	4.38	5.88	13.87	14.83
1980	0.98	1.07	1.26	1.27	1.35	2.47	4.28	6.68	7.20	7.73
1981	0.86	0.86	0.88	0.99	1.07	1.49	1.71	4.16	7.63	7.22
1982	1.64	1.67	1.83	2.00	2.54	5.76	8.83	15.84	17.48	23.30
1983	0.92	0.94	1.04	1.45	1.88	2.37	2.91	5.59	8.34	16.57
1984	1.17	1.17	1.17	1.24	1.59	2.34	4.61	8.22	10.38	11.78
MEDIA	1.26	1.29	1.36	1.51	1.95	2.87	3.82	6.35	9.03	11.88
COEF. PADRAO	0.50	0.51	0.52	0.54	0.77	1.29	2.00	3.15	3.42	4.51
COEF. VAR.	0.16	0.15	0.14	0.13	0.15	0.20	0.28	0.25	0.14	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S	
1940											
1941											
1942											
1943											
1944											
1945											
1946											
1947											
1948											
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1961											
1962											
1963											
1964											
1965											
1966											
1967											
1968											
1969											
1970											
1971											
1972					45.52	67.60	94.79	106.31	128.40	184.43	271.84
1973	32.70	33.77	39.54	45.52	55.53	70.99	85.69	94.58	143.89	150.45	158.73
1974	42.30	43.90	51.26	55.53	60.01	79.47	81.76	190.96	252.14	266.34	
1975	47.50	50.77	52.40	53.87	40.19	50.69	69.80	98.12	147.96	178.45	
1976	30.20	30.20	30.94	34.81	18.65	19.98	22.25	39.19	109.05	124.94	
1977	15.70	15.88	16.88	18.05	25.18	35.54	40.07	80.97	99.72	161.33	
1978	19.00	19.37	20.54	22.51	56.01	98.82	95.74	120.22	231.26	229.55	
1979	31.93	33.08	34.90	39.36	34.24	68.42	93.05	123.80	159.53	174.79	
1980	30.20	30.20	30.94	32.74	21.68	27.74	35.49	79.26	125.74	133.57	
1981	17.90	18.63	18.76	20.84	96.99	144.85	207.18	343.71	360.80	472.45	
1982	62.20	64.65	69.94	75.71	84.51	90.15	94.05	111.53	165.31	336.12	
1983	44.04	44.62	51.16	70.25	49.46	69.48	105.16	129.42	144.49	136.11	
1984	28.40	28.40	29.43	32.49							
MEDIA	33.51	34.46	37.23	41.81	52.13	72.13	87.12	132.46	177.57	224.52	
ID. PADRAO	13.58	14.36	16.17	18.85	25.19	35.14	47.42	76.41	73.04	100.24	
COEF. VAR.	0.16	0.17	0.19	0.20	0.23	0.24	0.30	0.33	0.17	0.20	

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 150 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941	400.00	412.00	430.86	452.30	590.47	977.17	913.40	1404.32	1615.89	1910.90
1942	130.00	130.00	130.86	133.07	148.50	168.15	203.84	232.40	585.02	1008.19
1943										
1944	110.00	110.00	112.14	116.47	121.27	143.25	155.50	186.71	256.24	278.56
1945	182.00	186.00	195.71	229.00	266.57	345.13	362.98	457.51	955.76	1024.65
1946										
1947	224.00	228.00	230.29	277.33	384.43	514.73	569.90	851.61	1122.99	1304.59
1948	79.26	87.51	125.67	157.67	164.08	209.23	245.87	425.34	698.09	1083.86
1949	207.00	209.00	213.14	224.40	268.77	340.29	405.25	508.36	633.06	838.24
1950	180.00	183.67	194.29	215.20	260.00	263.43	323.00	972.60	1321.70	1320.65
1951										
1952	182.00	192.00	208.57	215.93	284.10	463.72	462.56	612.29	1097.10	1262.99
1953	281.00	295.00	310.14	384.60	506.10	739.98	879.98	1066.99	1691.71	1909.06
1954	247.00	252.67	278.00	321.40	381.80	454.87	468.23	794.54	1923.25	2528.97
1955										
1956										
1957	180.00	195.00	202.14	229.33	297.00	339.42	425.07	596.28	892.82	1805.53
1958	270.00	276.67	292.14	309.67	478.00	692.79	804.78	1154.11	1612.24	1691.73
1959										
1960										
1961										
1962										
1963	185.00	188.33	198.29	245.53	297.23	379.97	389.24	620.06	1489.60	1502.19
1964	198.00	218.33	239.71	253.13	258.83	288.75	324.61	458.87	674.79	851.41
1965										
1966										
1967										
1968	217.00	221.00	226.71	235.20	274.40	406.40	635.62	389.02	1169.78	1325.01
1969	217.00	225.67	229.00	245.33	310.53	434.43	447.54	588.42	947.16	1164.44
1970	165.00	175.00	208.57	247.67	340.67	829.15	1021.07	1605.06	1687.45	2128.96
1971	182.00	182.00	190.86	203.53	218.87	242.80	314.79	649.26	812.08	1401.05
1972	365.00	370.00	385.00	410.67	508.83	754.35	1048.46	1326.72	1675.00	2318.75
1973	350.00	363.67	375.57	400.00	530.43	752.77	819.08	884.49	1237.01	1927.88
1974	262.00	270.00	287.43	300.07	321.23	386.02	439.54	655.15	791.56	882.49
1975	274.00	276.07	281.97	331.70	432.26	564.33	699.53	1277.72	1624.01	1306.99
1976	324.50	335.33	346.79	381.67	427.14	482.69	754.54	1159.39	1361.81	1597.98
1977	150.50	161.00	167.29	179.29	219.92	266.74	343.98	839.59	1232.40	1476.51
1978										
1979	357.00	368.10	384.83	422.59	532.44	713.75	702.30	829.09	1758.87	1639.45
1980	243.00	243.00	248.31	289.54	313.07	544.73	547.69	973.45	1407.42	1669.58
1981	173.00	185.93	206.66	215.64	243.82	324.88	372.68	642.56	865.00	912.89
1982										
1983										
1984										
MEDIA	213.46	225.55	237.96	262.19	322.44	449.18	520.00	781.44	1144.48	1401.50
COEF. VAR.	0.64	0.59	0.45	0.20	0.18	0.26	0.26	0.23	0.17	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959					1.81	2.53	2.41	5.01	6.59	8.31
1960	1.29	1.36	1.42	1.69	1.63	2.06	2.28	2.93	5.47	7.74
1961	0.96	0.96	1.09	1.23	1.36	2.30	3.05	4.24	5.12	6.06
1962	0.74	0.81	0.90	0.96	1.29	1.63	1.93	5.54	9.95	11.53
1963	0.74	0.85	0.99	1.08	1.31	1.59	1.64	2.42	4.06	5.63
1964	0.52	0.70	0.94	1.08	1.41	1.91	3.02	7.72	9.20	13.89
1965	1.07	1.14	1.23	1.31	1.41	1.91	3.02	7.72	9.20	13.89
1966	0.85	0.85	0.90	0.92	1.02	2.01	2.75	3.35	6.08	10.35
1967	1.18	1.40	1.52	2.04	2.39	2.80	3.05	4.02	5.14	9.61
1968	1.08	2.09	2.29	2.49	2.79	3.73	6.19	7.51	8.58	9.07
1969	0.96	1.03	1.12	1.30	1.73	2.45	2.61	4.07	5.73	8.14
1970	1.08	1.93	1.99	2.11	2.64	4.64	6.34	9.30	8.97	11.60
1971	1.18	1.22	1.27	1.54	1.83	2.09	2.50	4.16	5.70	11.63
1972	2.68	2.84	3.13	3.27	3.59	6.73	7.50	10.43	12.99	18.70
1973	0.96	1.11	1.15	1.26	1.53	1.78	2.66	3.80	7.82	12.39
1974	1.29	1.36	1.50	1.55	2.03	3.07	3.60	5.10	5.27	5.63
1975	0.96	0.96	0.96	1.00	1.24	1.51	1.74	6.42	7.99	10.03
1976	1.18	1.18	1.27	1.34	1.71	1.90	1.99	6.05	8.73	10.51
1977	0.24	0.28	0.33	0.36	0.47	0.55	0.69	1.36	4.82	7.87
1978	0.30	0.30	0.39	0.49	0.93	1.33	1.80	4.08	4.87	5.90
1979	1.40	1.45	1.70	2.09	2.50	3.75	5.09	6.72	12.89	13.83
1980	0.37	0.37	0.41	0.51	0.67	1.30	1.53	3.09	6.63	9.00
1981	0.51	0.56	0.64	0.73	0.95	1.09	1.64	2.84	4.38	5.33
1982	1.67	1.74	2.27	2.59	3.83	5.30	6.90	14.64	17.37	22.10
1983	0.85	0.94	1.00	1.13	1.37	1.94	3.21	5.44	8.98	16.81
1984	0.99	0.99	1.05	1.19	1.48	1.92	2.03	5.53	9.29	12.26
MEDIA	1.07	1.14	1.26	1.41	1.74	2.48	3.13	5.43	7.70	10.56
D.PADRAO	0.55	0.58	0.64	0.70	0.83	1.41	1.83	2.87	3.17	4.18
COEF. VAR.	0.27	0.26	0.26	0.25	0.23	0.32	0.34	0.28	0.17	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	26.50	26.97	27.10	28.38	41.13	56.26	61.26	102.45	119.11	182.73
1941	24.40	25.10	25.30	27.37	33.83	46.37	51.54	100.56	141.37	185.54
1942										
1943										
1944										
1945	10.54	11.15	11.48	11.70	14.55	17.80	18.48	34.29	79.97	95.76
1946	13.00	13.00	13.14	14.25	17.12	19.42	24.34	49.99	54.10	71.28
1947	13.50	14.17	14.79	17.63	19.49	22.41	28.62	36.61	53.48	72.17
1948	9.81	10.17	10.75	12.33	13.83	19.18	22.03	27.20	69.85	92.99
1949	9.08	9.45	10.38	12.35	13.89	16.41	18.11	30.91	59.03	76.48
1950	17.60	18.00	18.37	19.16	20.74	26.46	28.46	69.83	129.41	123.53
1951	8.35	8.35	8.51	8.84	9.46	14.32	15.82	26.95	87.20	83.29
1952	18.80	19.00	20.09	21.54	25.58	41.87	46.92	53.78	72.97	91.22
1953	33.00	34.50	38.16	44.26	57.23	69.26	69.36	113.04	193.36	209.40
1954	19.40	20.40	23.09	30.61	32.57	41.61	43.22	86.59	216.26	271.29
1955	12.50	12.83	13.71	14.71	16.18	22.91	36.00	57.41	79.55	109.83
1956	12.00	12.17	12.57	13.27	13.85	16.65	21.06	36.42	43.97	68.37
1957	11.27	11.51	13.08	15.06	18.30	20.75	24.69	34.42	53.95	114.97
1958	21.20	21.80	22.99	24.86	35.94	89.73	98.17	125.42	140.14	156.12
1959	11.27	11.27	11.58	12.05	12.84	16.22	17.45	23.27	55.84	82.60
1960	21.80	22.60	23.63	25.77	26.71	36.30	44.16	80.18	110.21	142.86
1961	13.00	14.00	14.43	14.77	15.94	17.12	18.93	33.11	83.02	130.40
1962	10.54	10.90	11.01	11.90	14.48	19.66	31.67	37.83	47.42	55.22
1963	14.00	14.33	15.60	20.05	21.17	26.32	29.59	94.72	170.34	172.04
1964	12.50	13.17	13.71	15.01	16.01	20.26	21.24	29.15	47.51	70.24
1965	20.60	21.80	22.49	23.18	25.78	34.74	57.63	135.74	155.61	225.73
1966	12.00	12.83	14.43	15.39	17.26	23.83	34.02	47.27	98.47	159.80
1967	12.00	12.33	12.71	12.83	14.83	19.09	21.17	32.19	56.00	119.63
1968	15.00	15.50	15.71	16.39	18.11	25.68	46.39	68.95	92.23	99.56
1969	14.00	14.17	15.07	16.38	21.40	26.98	27.51	43.85	70.11	99.78
1970	16.00	18.27	19.00	21.49	26.58	57.13	77.02	101.04	101.58	137.00
1971	14.00	14.50	15.96	19.64	21.90	23.25	28.31	47.11	66.48	175.77
1972	28.60	30.28	32.05	33.78	36.16	68.08	83.47	144.66	180.54	289.20
1973	15.60	16.53	17.66	20.41	23.94	31.49	49.57	77.66	118.43	199.15
1974	26.40	26.70	26.76	27.69	32.85	40.02	49.22	66.59	69.84	88.23
1975	19.40	19.79	20.06	22.24	25.91	31.15	34.33	74.29	105.45	140.36
1976	17.36	17.70	18.68	20.60	23.29	24.60	30.99	70.13	96.33	130.87
1977	9.23	9.23	9.56	10.21	11.53	11.67	13.61	24.50	69.68	129.17
1978	9.90	10.49	11.79	12.88	14.13	23.68	31.14	72.98	76.00	96.69
1979	18.38	18.55	20.03	22.74	26.67	35.02	40.48	71.13	180.40	184.50
1980	10.78	11.22	12.23	14.59	16.58	24.95	29.37	53.93	89.98	112.20
1981	9.23	9.82	13.94	17.05	18.02	19.89	23.89	37.30	50.16	60.09
1982										
1983	16.34	16.68	18.11	20.67	25.90	41.20	52.34	66.05	127.61	221.34
1984	16.34	16.66	18.11	19.92	25.07	34.70	50.32	99.62	163.63	208.25
MEDIA	15.74	16.29	17.26	19.12	22.34	31.10	37.85	63.88	99.43	135.02
D. PADRAO	5.86	6.08	6.34	7.14	9.38	16.84	19.47	32.34	45.73	58.17
COEF. VAR.	0.14	0.14	0.13	0.14	0.18	0.29	0.26	0.26	0.21	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1975										
1976				0.12	0.13	0.17	0.20	0.71	3.98	4.99
1977	0.12	0.12	0.12	0.12	0.13	0.17	0.20	0.71	3.98	4.99
1978				0.47	0.71	1.92	2.40	3.88	9.91	10.34
1979	0.28	0.35	0.43	0.47	0.71	1.92	2.40	3.88	9.91	10.34
1980				0.31	0.35	0.60	1.05	2.59	4.71	4.76
1981	0.28	0.28	0.28	0.31	0.35	0.60	1.05	2.59	4.71	4.76
1982	0.48	0.52	0.64	0.86	2.71	4.53	6.96	11.60	12.64	17.25
1983										
1984										
MEDIA	0.29	0.32	0.37	0.44	0.98	1.80	2.65	4.69	7.81	9.34
D. PADRAO	0.15	0.17	0.22	0.31	1.18	1.96	3.01	4.79	4.16	5.87
COEF. VAR.	0.26	0.27	0.36	0.51	1.47	1.18	1.29	1.04	0.28	0.39

ANC	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1976										
1977					1.98	4.87	6.52	11.69	13.74	24.56
1978	1.05	1.08	1.34	1.72	11.25	17.45	19.32	23.04	37.31	38.83
1979	7.00	8.03	8.32	9.21	7.96	11.74	13.56	18.69	19.61	21.23
1980	5.20	6.40	7.05	7.54	6.25	7.33	8.89	17.54	24.21	26.17
1981	4.30	4.70	5.03	5.16						
1982					11.99	15.74	16.32	18.31	25.69	43.99
1983	8.23	9.26	9.94	10.53						
1984										
MEDIA	5.16	5.90	6.34	6.83	7.88	11.43	13.02	17.85	24.11	30.96
D. PADRAO	2.76	3.19	3.32	3.49	4.06	5.36	5.33	4.06	8.73	9.88
COEF VAR.	0.29	0.29	0.27	0.26	0.26	0.22	0.17	0.05	0.13	0.10

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 160 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1965					2.01	2.68	3.33	8.79	12.75	13.79
1966	1.40	1.43	1.54	1.68	1.23	2.40	2.29	5.07	6.80	8.50
1967	0.30	0.38	0.47	0.80	1.39	1.91	3.06	7.09	13.62	15.26
1968	0.68	0.76	0.85	1.07	1.97	2.13	2.38	3.31	16.04	14.97
1969	0.95	1.03	1.16	1.39	3.87	9.04	11.02	16.54	16.91	22.16
1970	1.77	1.80	1.94	2.21	1.68	2.21	2.81	5.43	8.51	13.85
1971	1.04	1.16	1.33	1.54	3.20	6.86	11.11	16.44	19.63	25.23
1972	2.28	2.36	2.57	2.79	3.86	4.79	6.42	8.45	13.28	19.34
1973	1.60	1.65	1.72	1.83	3.42	5.13	7.22	12.25	13.58	13.16
1974	2.15	2.18	2.33	2.60	2.86	4.31	4.66	12.75	17.75	19.99
1975	1.85	1.90	1.99	2.37	1.64	1.77	3.31	6.34	10.58	12.72
1976	1.25	1.29	1.35	1.57	0.73	0.89	0.98	2.06	7.69	8.28
1977	0.48	0.52	0.55	0.60	1.41	3.48	4.54	6.51	8.35	14.56
1978	1.05	1.05	1.07	1.17	3.96	7.00	7.18	9.81	18.99	19.31
1979	1.92	2.04	2.12	2.67	1.18	5.08	6.06	8.54	9.20	10.31
1980	0.92	0.93	0.97	1.07	1.49	2.17	3.39	6.76	11.30	11.40
1981	1.12	1.15	1.20	1.36	1.49	7.32	14.00	24.72	26.16	37.09
1982	1.21	1.25	1.53	2.40	3.06	5.29	5.15	7.65	11.34	25.65
1983	1.03	1.19	1.67	2.28	2.77	4.10	5.99	9.82	12.08	15.12
1984	1.58	1.63	1.65	1.79	2.60					
MEDIA	1.29	1.35	1.47	1.75	2.33	4.14	5.52	9.38	13.40	16.88
D. PADRAO	0.54	0.54	0.57	0.66	1.03	2.26	3.42	5.35	4.91	7.02
COEF. VAR.	0.18	0.16	0.15	0.14	0.19	0.30	0.38	0.33	0.13	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 120 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
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1964	9.88	10.10	10.39	11.17	11.93	12.99	13.34	17.06	23.55	31.27
1965	16.15	18.37	18.70	19.44	21.01	27.05	40.08	57.32	68.03	79.36
1966	10.60	11.60	12.06	12.24	12.86	15.41	18.38	25.67	46.20	64.30
1967	10.60	10.60	10.99	11.52	12.13	12.56	14.81	16.35	25.62	42.98
1968	11.20	11.40	11.71	12.22	13.24	16.28	23.59	30.71	38.95	43.13
1969	12.70	12.70	12.74	13.10	14.45	18.13	18.55	26.51	34.19	41.97
1970	16.50	16.62	16.95	18.55	21.18	28.37	32.38	41.38	45.99	53.91
1971	6.80	7.33	8.71	14.52	16.01	17.34	20.01	23.77	29.69	62.91
1972	22.45	22.80	23.62	25.33	26.74	37.52	47.64	64.99		106.08
1973	16.53	16.73	16.90	17.50	20.59	21.65	27.36	36.64	54.29	75.26
1974	13.70	14.52	15.00	16.38	18.20	21.55	25.80	35.09	34.51	38.88
1975	10.75	11.07	11.46	12.44	12.65	15.43	17.82	34.77	44.76	53.94
1976	10.42	10.36	11.03	11.76	12.36	12.77	14.17	24.09	32.87	40.29
1977	6.05	6.22	6.46	6.82	6.94	7.39	8.05	12.70	26.74	40.26
1978	7.06	7.36	7.47	7.78	10.85	13.64	17.16	28.40	29.61	35.54
1979	11.40	11.76	12.17	12.96	14.51	19.71	23.29	37.98	75.44	75.74
1980	8.80	9.13	9.45	9.75	10.43	14.15	14.04	23.83	35.41	37.80
1981	6.57	6.57	6.72	7.10	8.40	9.16	11.32	16.79	19.69	21.15
1982	21.52	22.64	24.58	28.13	29.16	37.28	50.01	87.48	92.61	109.02
1983	10.75	10.97	11.52	13.06	15.60	17.03	21.00	29.20	48.77	83.53
1984	12.84	13.08	13.82	14.93	18.27	23.65	30.83	51.73	76.54	94.82
MEDIA	12.07	12.50	13.01	14.12	15.60	19.00	23.32	34.40	42.07	58.67
D. PADRAO	4.47	4.69	4.91	5.42	5.67	0.98	11.39	18.16	21.74	25.26
COEF. VAR	0.14	0.14	0.14	0.15	0.13	0.18	0.24	0.28	0.27	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1974										
1975					3.58	3.85	4.50	7.72	9.55	10.33
1976	2.93	2.93	2.96	3.26	2.40	2.53	2.83	4.26	7.55	11.93
1977	2.11	2.11	2.22	2.36	2.71	3.72	4.58	5.17	7.11	7.07
1978	2.31	2.31	2.38	2.71	4.46	5.02	6.18	7.69	11.80	19.69
1979	3.87	3.94	4.10	4.46	3.71	3.84	4.68	4.86	7.86	12.97
1980	3.35	3.35	3.54	3.71	2.74	3.08	3.27	4.66	6.10	6.07
1981	2.01	2.04	2.17	2.35						
1982				5.74	6.40	6.89	8.30	10.57	15.57	21.91
1983	4.83	4.83	5.06	5.74	7.13	7.73	8.28	13.65	19.47	23.59
1984	4.83	4.91	5.12	5.92						
MEDIA	3.28	3.30	3.44	3.81	4.35	4.94	5.61	8.45	12.24	14.14
D. PADRAO	1.15	1.16	1.22	1.43	1.69	1.84	2.20	3.32	5.52	6.57
COEF. VAR.	0.12	0.12	0.12	0.14	0.15	0.14	0.15	0.15	0.20	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1964										
1965	9.24	11.00	11.30	13.03	16.33	19.33	26.66	35.79	43.19	52.39
1966	7.43	7.43	7.59	7.86	8.77	11.25	13.22	22.27	35.41	48.19
1967	3.52	3.71	3.99	4.47	5.43	5.93	7.42	9.46	15.73	28.36
1968	6.69	7.06	7.17	7.49	8.19	10.72	15.33	20.29	28.22	29.33
1969	4.80	4.83	5.06	5.62	6.77	8.93	9.26	13.07	18.56	24.59
1970	8.67	8.94	9.39	10.56	12.67	17.36	20.05	26.42	29.46	32.80
1971	4.52	4.63	4.84	5.63	7.33	8.32	8.93	10.47	14.85	39.93
1972	12.40	12.57	13.26	14.10	15.12	20.55	26.67	40.66	51.36	69.92
1973	5.48	5.69	5.75	6.24	10.08	10.63	14.36	22.39	33.87	50.25
1974	5.21	6.48	8.13	9.14	10.51	12.59	15.89	24.19	24.40	28.03
1975	7.64	7.64	7.64	7.86	8.01	10.00	11.63	21.59	30.98	40.06
1976	7.01	7.01	7.01	7.54	7.62	8.12	9.03	15.05	21.44	26.16
1977	4.34	4.42	4.52	4.61	4.69	4.84	5.21	7.98	14.15	24.07
1978	4.85	5.02	5.06	5.38	6.55	8.15	10.22	17.28	18.22	22.83
1979	7.33	7.43	7.64	8.20	9.26	12.19	14.69	25.40	53.00	51.08
1980	6.37	6.37	6.69	6.92	7.16	9.09	9.34	14.43	25.25	24.70
1981	4.85	4.85	4.99	5.35	5.87	6.50	7.66	11.58	13.61	14.38
1982	14.96	14.96	15.35	17.26	19.03	24.09	31.38	58.93	59.09	69.04
1983	9.06	9.06	9.57	10.78	12.68	13.09	16.99	21.42	33.87	56.65
1984	9.85	9.98	10.30	10.95	13.30	15.74	17.26	32.47	48.52	61.32
MEDIA	7.21	7.45	7.76	8.45	9.77	11.87	14.56	22.61	30.66	39.70
10 PADRAO	2.88	2.93	3.03	3.42	3.91	5.16	7.09	12.30	14.06	16.59
COEF. VAR.	0.16	0.15	0.15	0.16	0.16	0.19	0.24	0.30	0.21	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942	3.70	3.70	3.86	4.16	4.39	5.93	6.22	8.71	22.98	36.88
1943	4.16	4.32	4.50	4.84	6.12	8.37	8.29	12.39	17.29	30.08
1944		1.02	1.09	1.28		2.24	2.74	3.85	7.34	10.10
1945	2.76	2.99	4.32	4.71	6.70	8.33	8.91	16.83	27.40	33.27
1946	5.63	5.81	6.16	7.09	9.13	10.81	12.43	22.38	21.75	30.51
1947	3.23	3.62	4.03	4.65	5.01	6.35	8.09	13.51	21.15	32.06
1948	4.63	5.12	5.75	7.44	8.55	9.10	13.98	14.32	30.68	38.20
1948	4.63	5.12	5.75	7.44	8.55	9.10	13.98	14.32	30.68	38.20
1949	3.23	3.70	4.13	5.14	7.50	10.38	11.50	16.83	31.09	37.56
1950	3.03	8.32	8.69	9.57	12.26	12.44	14.09	29.56	48.43	49.36
1950	3.03	8.32	8.69	9.57	12.26	12.44	14.09	29.56	48.43	49.36
1951	2.36	2.43	2.70	2.89	3.12	5.56	5.22	9.99	28.27	28.92
1952	4.63	4.79	5.01	5.75	6.83	8.53	16.33	21.59	30.60	35.77
1952	4.63	4.79	5.01	5.75	6.83	8.53	16.33	21.59	30.60	35.77
1953	8.32	8.51	8.81	12.12	12.33	22.41	23.74	31.57	58.32	66.47
1953	8.32	8.51	8.81	12.12	12.33	22.41	23.74	31.57	58.32	66.47
1954	9.46	9.93	11.48	15.89	17.66	18.41	19.79	39.51	78.38	94.43
1954	9.46	9.93	11.48	15.89	17.66	18.41	19.79	39.51	78.38	94.43
1955	7.22	7.86	8.53	9.86	11.26	13.88	21.00	33.11	42.13	51.92
1955	7.22	7.86	8.53	9.86	11.26	13.88	21.00	33.11	42.13	51.92
1956	3.46	3.62	3.80	4.11	4.99	6.01	9.03	12.15	16.03	25.29
1956	3.46	3.62	3.80	4.11	4.99	6.01	9.03	12.15	16.03	25.29
1957	3.93	5.95	7.29	8.24	7.88	13.29	15.70	16.93	28.62	43.63
1957	3.93	5.95	7.29	8.24	7.88	13.29	15.70	16.93	28.62	43.63
1958	7.22	7.31	7.60	8.26	11.27	27.05	30.79	41.96	44.05	51.13
1958	7.22	7.31	7.60	8.26	11.27	27.05	30.79	41.96	44.05	51.13
1959		1.02		2.50	4.51	6.32	8.03	18.77	35.12	41.98
1959		1.02		2.50	4.51	6.32	8.03	18.77	35.12	41.98
1960	1.55	1.69	2.07	3.06	6.02	13.47	18.60	33.06	47.72	54.76
1960	1.55	1.69	2.07	3.06	6.02	13.47	18.60	33.06	47.72	54.76
1961	3.93	4.55	5.51	7.26	9.29	10.61	13.36	19.97	41.66	62.15
1961	3.93	4.55	5.51	7.26	9.29	10.61	13.36	19.97	41.66	62.15
1962	1.76	3.45	5.21	6.67	7.34	10.48	9.91	14.46	16.09	18.52
1962	1.76	3.45	5.21	6.67	7.34	10.48	9.91	14.46	16.09	18.52
1963	5.10	5.63	6.42	8.79	9.94	10.93	12.96	33.93	65.15	66.21
1963	5.10	5.63	6.42	8.79	9.94	10.93	12.96	33.93	65.15	66.21
1964	3.46	4.09	4.87	5.48	5.95	8.86	9.70	13.99	20.27	28.14
1964	3.46	4.09	4.87	5.48	5.95	8.86	9.70	13.99	20.27	28.14
1965	8.89	10.41	10.87	11.66	12.86	16.76	25.69	51.93	59.27	77.21
1965	8.89	10.41	10.87	11.66	12.86	16.76	25.69	51.93	59.27	77.21
1966	6.69	6.86	6.91	7.18	8.53	11.36	15.98	25.42	43.89	62.26
1966	6.69	6.86	6.91	7.18	8.53	11.36	15.98	25.42	43.89	62.26
1967	2.76	2.92	3.16	3.29	4.30	5.05	6.30	8.16	15.09	35.55
1967	2.76	2.92	3.16	3.29	4.30	5.05	6.30	8.16	15.09	35.55
1968	6.16	6.16	6.35	6.83	7.60	10.70	20.31	29.29	40.34	40.18
1968	6.16	6.16	6.35	6.83	7.60	10.70	20.31	29.29	40.34	40.18
1969	4.63	4.71	4.83	5.50	7.16	9.20	10.88	16.14	20.47	30.28
1969	4.63	4.71	4.83	5.50	7.16	9.20	10.88	16.14	20.47	30.28
1970	9.46	10.03	10.84	13.41	15.73	30.85	32.63	42.66	51.19	56.36
1970	9.46	10.03	10.84	13.41	15.73	30.85	32.63	42.66	51.19	56.36
1971	2.99	3.31	3.46	3.63	5.82	8.28	8.29	10.82	18.61	58.40
1971	2.99	3.31	3.46	3.63	5.82	8.28	8.29	10.82	18.61	58.40
1972	13.08	13.61	14.61	15.79	16.72	23.18	32.01	60.99	75.21	105.14
1972	13.08	13.61	14.61	15.79	16.72	23.18	32.01	60.99	75.21	105.14
1973	6.16	6.25	6.46	7.07	8.20	9.21	13.89	25.67	42.57	65.22
1973	6.16	6.25	6.46	7.07	8.20	9.21	13.89	25.67	42.57	65.22
1974	5.36	6.78	7.96	8.55	9.92	11.45	15.18	34.26	35.40	42.55
1974	5.36	6.78	7.96	8.55	9.92	11.45	15.18	34.26	35.40	42.55
1975	7.49	7.49	7.51	7.83	7.00	8.38	9.17	16.63	27.10	34.17
1975	7.49	7.49	7.51	7.83	7.00	8.38	9.17	16.63	27.10	34.17
1976	6.05	6.22	6.26	6.54	3.38	3.54	4.19	8.20	19.33	36.83
1976	6.05	6.22	6.26	6.54	3.38	3.54	4.19	8.20	19.33	36.83
1977	2.36	2.36	2.57	2.85	6.96	9.27	12.77	24.46	26.97	33.67
1977	2.36	2.36	2.57	2.85	6.96	9.27	12.77	24.46	26.97	33.67
1978	4.05	4.05	4.09	4.82	9.99	13.63	16.71	35.44	78.50	77.16
1978	4.05	4.05	4.09	4.82	9.99	13.63	16.71	35.44	78.50	77.16
1979	6.81	6.87	7.25	8.19	10.05	14.81	14.78	25.27	47.75	44.79
1979	6.81	6.87	7.25	8.19	10.05	14.81	14.78	25.27	47.75	44.79
1980	8.80	8.26	8.39	9.53	5.38	6.08	7.55	11.89	18.71	20.40
1980	8.80	8.26	8.39	9.53	5.38	6.08	7.55	11.89	18.71	20.40
1981	3.80	3.30	4.09	4.72	29.85	39.26	49.91	94.40	95.39	116.79
1981	3.80	3.30	4.09	4.72	29.85	39.26	49.91	94.40	95.39	116.79
1982	17.20	18.00	19.57	26.33	17.14	21.58	30.80	34.59	53.60	90.58
1982	17.20	18.00	19.57	26.33	17.14	21.58	30.80	34.59	53.60	90.58
1983	12.16	12.51	13.09	14.07	15.81	20.13	20.56	48.06	75.68	95.94
1983	12.16	12.51	13.09	14.07	15.81	20.13	20.56	48.06	75.68	95.94
1984	9.56	9.56	11.19	12.97						
1984	9.56	9.56	11.19	12.97						
MEDIA	5.61	6.04	6.55	7.68	9.09	12.43	15.42	25.88	38.80	49.83
COEF PADRAO	3.45	3.46	3.75	4.59	5.12	7.46	9.27	16.80	20.62	24.17
COEF VAR	0.38	0.33	0.33	0.36	0.32	0.36	0.36	0.42	0.28	0.24

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941				2.45	2.59	3.21	3.17	4.82	11.45	17.46
1942	2.20	2.23	2.31	2.73	3.90	4.05	5.16	6.22	8.58	12.85
1943	2.46	2.46	2.53	2.20	2.40	2.68	2.68	2.94	5.50	6.76
1944	1.98	1.98	2.05	3.31	5.33	5.82	6.34	10.13	15.07	16.42
1945	2.46	2.46	2.55	5.59	6.86	8.05	9.43	14.32	13.72	21.16
1946	5.00	5.00	5.23	11.46	11.49	12.42	13.11	17.31	19.23	24.84
1947	9.70	9.70	10.30	6.50	7.63	8.88	11.17	14.98	26.08	28.79
1948	5.72	5.72	5.85	5.71	7.55	9.62	10.29	12.28	18.51	21.16
1949	4.82	4.94	5.31	10.59	10.69	10.98	11.82	17.03	26.14	27.37
1950	9.70	9.70	10.11	3.31	3.66	6.53	8.27	16.03	20.05	20.59
1951	2.70	2.70	2.90	12.39	18.42	23.87	25.85	28.95	30.74	32.33
1952	7.80	8.12	11.28	5.72	8.08	14.10	13.31	20.60	25.24	28.80
1953	5.00	5.13	5.56	5.89	6.53	7.18	8.30	17.10	33.14	39.32
1954	3.26	3.40	4.08	4.02	4.44	7.01	9.91	14.52	19.13	23.53
1955	2.98	3.21	3.70	1.65	2.07	2.70	3.40	5.72	7.33	12.10
1956	1.15	1.31	1.59	2.79	4.45	5.38	5.98	7.67	14.32	20.60
1957	1.50	1.86	2.24	3.56	6.58	13.70	14.23	17.20	17.84	19.71
1958	2.98	3.22	3.38	5.27	5.85	6.34	6.60	8.30	12.83	15.06
1959	3.82	4.64	4.94	4.83	5.39	7.20	9.68	12.42	12.91	16.34
1960	2.98	3.68	4.41	4.14	6.03	6.89	7.54	8.45	11.26	17.94
1961	2.98	3.21	3.63							
1962										
1963				3.07	3.13	4.56	5.05	6.85	10.69	14.49
1964	2.10	2.32	2.67	4.16	4.88	6.43	9.56	21.15	36.74	39.54
1965	3.70	3.80	3.91	3.13	3.54	4.61	6.65	10.16	20.94	25.21
1966	2.70	2.70	2.70	2.24	2.72	3.04	3.54	4.45	6.87	14.00
1967	2.00	2.13	2.19	2.78	3.19	4.08	9.20	17.20	20.67	20.58
1968	1.95	2.00	2.21	3.45	4.22	4.61	6.97	9.81	10.80	15.70
1969	2.70	2.86	3.06	6.74	8.36	15.47	17.28	21.04	24.34	27.60
1970	4.44	4.62	5.09	2.70	3.01	3.51	3.76	4.82	8.16	26.03
1971	2.70	2.70	2.70	7.88	8.28	10.97	14.68	31.80	39.94	49.34
1972	4.94	5.74	6.69	3.95	4.07	7.34	9.39	13.75	23.44	35.98
1973	1.89	2.35	2.84	5.96	7.12	8.36	10.43	19.59	21.36	27.59
1974	1.66	2.04	5.18	4.34	4.89	8.51	9.70	18.28	26.10	29.37
1975	3.95	3.95	4.04	4.58	4.81	5.58	5.91	8.39	13.54	16.15
1976	3.66	4.04	4.29	3.31	3.83	3.98	4.24	7.25	12.48	19.35
1977	2.60	2.61	2.75	4.55	4.66	5.78	6.58	11.63	12.61	14.60
1978	4.08	4.24	4.51	5.47	6.72	8.77	10.63	22.00	41.80	40.46
1979	4.83	5.10	5.33	6.14	6.71	8.72	8.92	14.00	23.45	23.00
1980	4.70	5.37	6.00							
1981			13.88	19.91	21.10	25.15	28.23	50.73	50.61	61.73
1982	11.82	12.33	6.68	7.46	9.02	9.51	12.54	15.32	24.65	39.50
1983	6.02	6.28								
1984										
MEDIA	3.94	4.15	4.63	5.28	6.26	8.09	9.49	14.49	19.96	24.71
D. PADRAO	2.37	2.41	2.73	3.44	3.90	5.01	5.41	8.88	10.36	11.13
COEF. VAR.	0.36	0.34	0.35	0.42	0.39	0.38	0.33	0.38	0.27	0.20

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
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1958										
1959										
1960										
1961										
1962										
1963										
1964	0.70	0.70	0.85	1.08	1.42	2.22	2.76	3.13	3.88	4.95
1965	1.99	2.22	2.26	2.35	2.57	3.37	4.71	8.52	8.69	11.24
1966	1.26	1.26	1.31	1.39	1.53	1.92	2.26	3.37	5.85	7.11
1967	0.35	0.35	0.37	0.39	0.58	0.75	0.89	1.10	1.93	3.76
1968	1.07	1.07	1.45	1.54	1.68	1.97	3.24	5.83	6.59	6.21
1969	0.89	0.95	0.99	1.08	1.52	1.56	1.96	3.41	3.53	4.79
1970	1.72	1.76	1.87	2.20	2.70	4.39	4.51	5.48	7.07	7.56
1971	0.41	0.44	0.47	0.57	1.00	1.12	1.13	1.44	2.19	6.33
1972	2.13	2.13	2.36	2.42	2.62	3.46	4.70	8.62	10.82	13.32
1973	1.07	1.23	1.28	1.34	1.63	1.84	2.67	3.76	6.39	9.60
1974	1.07	1.14	1.28	1.81	2.18	2.26	2.95	4.78	5.64	7.65
1975	1.38	1.38	1.42	1.45	1.49	2.04	2.44	3.99	5.71	6.94
1976	1.21	1.27	1.31	1.36	1.59	1.90	2.02	3.04	3.99	4.73
1977	0.77	0.77	0.77	0.82	0.95	0.97	1.07	2.03	3.67	5.29
1978	0.95	1.03	1.15	1.27	1.36	1.71	2.02	3.24	3.91	4.62
1979	1.38	1.38	1.41	1.67	2.47	2.74	3.23	6.99	11.76	11.93
1980	1.30	1.35	1.42	1.49	1.59	1.97	2.08	3.84	6.36	6.43
1981	0.95	0.95	1.01	1.14	1.26	1.42	1.63	2.49	3.59	3.90
1982	2.29	2.56	3.16	4.35	5.54	6.23	8.18	12.56	12.26	15.39
1983	1.69	1.91	2.03	2.31	2.66	2.69	2.92	3.62	5.88	9.36
1984	2.09	2.12	2.22	2.42	2.77	3.74	4.41	7.98	10.03	11.59
MEDIA	1.27	1.33	1.45	1.64	1.96	2.39	2.94	4.72	6.18	7.75
D. PADRAO	0.55	0.59	0.67	0.85	1.04	1.28	1.66	2.82	3.01	3.31
COEF. VAR.	0.19	0.20	0.22	0.27	0.28	0.28	0.32	0.36	0.24	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940								5.12	9.08	16.25
1941	5.50	3.83	1.64	0.77	0.38	0.19				
1942	1.35	1.42	1.46	1.59	1.78	1.92	1.95	2.73	7.24	12.04
1943	1.40	1.68	1.83	2.19	3.14	4.11	4.51	5.09	6.93	9.59
1944	1.10	1.27	1.29	1.35	1.50	1.96	2.08	2.33	3.94	4.58
1945	1.24	1.35	1.51	2.36	4.47	5.63	7.49	12.73	12.94	13.95
1946	3.18	3.73	4.56	5.60	6.43	7.45	8.63	13.08	12.88	22.21
1947	2.54	2.70	3.11	3.49	4.65	4.85	5.43	8.30	11.86	17.78
1948	2.54	2.59	2.84	3.79	4.48	6.18	9.50	10.51	18.57	23.35
1949	2.22	2.27	2.63	3.00	4.24	5.25	5.36	6.54	10.94	14.32
1950	2.70	2.97	3.27	3.50	4.81	5.03	5.24	9.90	19.97	21.01
1951	2.70	2.70	2.70	3.05	3.30	3.85	4.52	7.79	19.44	18.42
1952	3.18	3.29	3.50	3.50	3.64	3.84	5.30	7.07	11.89	16.61
1953	3.70	3.77	4.10	4.21	5.68	10.69	10.22	13.98	22.05	27.37
1954	2.50	3.70	4.16	4.82	4.98	5.81	7.26	15.28	27.39	31.60
1955	3.18	3.18	3.23	3.42	3.56	5.11	8.17	11.88	15.15	23.87
1956	1.12	1.38	1.66	2.01	2.51	2.86	3.95	5.97	7.63	11.54
1957	1.90	1.90	2.17	2.78	3.43	4.73	6.06	7.32	13.73	18.97
1958	3.20	3.22	3.35	3.54	9.13	14.62	15.92	19.11	22.95	26.86
1959	1.68	1.68	1.71	1.77	1.80	1.93	2.56	3.72	12.71	18.24
1960	2.70	2.70	2.81	3.87	5.29	7.89	8.81	14.33	16.27	20.33
1961	1.68	1.68	1.68	1.84	2.34	3.54	4.26	7.79	15.28	20.77
1962	0.80	0.96	1.18	1.44	2.80	4.54	5.15	6.58	6.88	8.50
1963	2.25	2.34	2.53	2.89	3.42	3.86	4.66	12.04	23.77	24.40
1964	1.35	1.43	1.65	2.27	2.28	4.06	5.31	6.80	9.10	13.29
1965	3.50	3.57	3.73	4.03	4.72	7.42	11.46	19.05	20.88	29.30
1966	3.15	3.18	3.29	3.49	3.88	4.98	5.81	8.73	19.29	22.75
1967	0.80	0.87	1.04	1.12	1.47	1.75	3.04	4.60	6.56	13.93
1968	1.90	1.95	2.13	2.49	3.03	3.61	8.20	18.50	20.19	19.92
1969	2.28	2.31	2.47	2.69	3.81	3.88	4.63	8.40	9.19	13.22
1970	2.10	3.29	3.51	3.86	4.85	9.82	16.95	19.36	24.03	24.61
1971	0.84	0.88	0.96	1.03	1.71	2.15	2.39	3.09	5.26	19.08
1972	4.50	4.71	5.16	6.19	7.17	9.25	13.60	27.22	33.59	37.38
1973	2.22	2.27	2.40	2.51	3.12	3.43	5.27	11.33	16.23	25.19
1974	2.06	2.17	2.47	3.00	3.23	3.83	5.62	10.79	13.81	19.96
1975	2.58	2.58	2.58	2.76	2.87	4.31	5.52	10.31	14.83	19.19
1976	2.58	2.78	2.99	3.17	3.62	4.97	5.39	7.53	10.33	12.91
1977	0.74	0.80	0.84	0.86	1.00	1.16	1.44	3.87	7.69	10.37
1978	1.73	1.73	1.84	2.03	2.44	3.44	3.87	8.88	11.15	13.76
1979	2.58	2.63	2.91	3.45	4.42	4.98	5.57	14.63	28.54	28.31
1980	2.42	2.53	2.64	2.67	2.76	3.41	3.67	7.56	16.75	17.29
1981	1.15	1.15	1.21	1.38	1.68	1.81	2.38	3.26	5.09	6.45
1982	6.75	6.88	7.35	9.49	11.88	17.20	25.02	40.78	41.01	48.44
1983										
1984										
MEDIA	2.40	2.48	2.62	2.98	3.76	5.03	6.48	10.58	15.31	19.53
DE PADRAO	1.03	1.18	1.26	1.58	2.12	3.34	4.64	7.19	8.04	8.39
COEF. VAR.	0.27	0.23	0.23	0.28	0.32	0.44	0.51	0.46	0.28	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
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1966										
1967										
1968										
1969										
1970	4.52	4.68	4.96	5.42	6.55	12.84	19.63	27.32	35.71	35.88
1971	1.00	1.09	1.26	1.41	2.13	2.56	2.78	3.72	6.08	32.39
1972	7.34	7.55	7.79	9.07	10.32	13.76	21.69	47.75	59.28	70.04
1973	3.70	3.96	4.07	4.57	5.47	5.65	8.09	17.61	26.69	46.69
1974	3.32	3.53	4.08	4.87	5.26	5.70	7.55	16.04	22.97	34.40
1975	2.97	3.03	3.13	3.40	3.62	6.02	7.38	13.89	22.68	30.55
1976	2.78	3.09	3.31	3.84	5.17	7.31	8.38	11.47	15.92	19.76
1977	1.72	1.75	1.83	1.92	1.96	2.19	2.39	4.92	10.22	14.97
1978	2.04	2.37	2.58	2.91	3.05	3.88	5.20	11.66	15.40	19.06
1979	3.20	3.40	3.69	4.72	5.56	6.38	6.74	19.35	39.51	39.93
1980	3.20	3.33	3.54	3.76	4.27	4.71	5.03	11.08	23.46	23.94
1981	1.70	1.75	1.84	2.06	2.26	2.59	3.46	4.88	7.34	9.35
1982	6.88	6.96	7.42	9.61	11.17	17.05	27.41	55.98	56.75	68.34
1983	5.68	6.00	6.26	6.85	8.62	8.66	13.32	17.48	26.78	39.37
1984	4.40	4.67	5.05	5.54	6.65	8.83	12.40	29.36	39.72	49.77
MEDIA	3.65	3.81	4.05	4.66	5.47	7.21	10.10	19.50	27.24	35.63
D. PADRAO	1.84	1.89	1.96	2.41	2.84	4.38	7.46	15.14	16.32	17.78
COEF. VAR.	0.25	0.25	0.23	0.27	0.27	0.37	0.55	0.60	0.36	0.25

VAZÕES MÍNIMAS SELECIONADAS (m3/s)

POSTO: 75155000

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942	6.32	6.32	6.57	6.77	7.21	9.23	10.46	13.34	28.96	40.95
1943	7.78	7.91	8.16	8.31	8.64	9.84	9.92	13.55	18.83	31.79
1944	4.49	4.49	4.61	4.95	5.19	6.01	6.74	8.06	12.78	14.45
1945	6.32	6.68	6.82	7.71	12.91	16.26	17.37	24.93	31.73	32.72
1946	11.20	13.00	13.00	14.16	17.86	18.98	21.29	33.64	34.48	42.76
1947	10.44	10.69	11.05	11.58	14.16	16.51	18.06	28.62	34.46	39.23
1948	9.30	9.30	9.95	11.40	12.12	14.39	16.81	18.37	30.52	39.02
1949	7.40	7.40	8.38	9.04	12.33	12.86	14.87	18.13	29.89	34.78
1950	11.20	11.20	11.39	12.34	13.85	14.51	15.93	23.24	40.44	47.93
1951	7.13	7.13	7.13	7.27	7.63	9.03	9.71	15.97	23.88	28.49
1952		0.72	0.75	1.38	7.61	11.04	15.66	21.65	29.49	34.71
1953	15.70	17.20	17.56	22.68	24.76	29.46	29.88	40.91	53.99	68.11
1954	15.70	15.87	16.56	19.30	23.46	25.28	25.97	42.70	75.15	88.17
1955	10.06	10.44	10.49	10.85	11.10	14.61	19.85	29.79	42.11	49.10
1956	7.46	7.67	8.10	8.81	10.64	12.43	14.75	21.50	22.76	29.95
1957	8.42	9.06	9.24	9.85	10.23	11.34	12.77	15.01	25.08	36.82
1958	9.06	9.38	9.68	10.57	22.35	31.05	34.82	48.72	51.97	60.73
1959	8.92	8.92	8.92	8.92	9.83	9.94	11.62	14.56	31.21	41.64
1960	12.50	12.83	14.20	15.77	20.07	25.41	30.31	39.09	45.08	51.06
1961	8.42	8.74	9.20	10.89	12.58	13.64	13.82	18.96	44.72	59.58
1962	5.75	6.00	6.42	6.99	8.42	10.73	11.59	14.71	15.24	16.85
1963	7.78	8.42	9.01	10.20	11.90	15.55	18.52	32.48	66.22	64.07
1964	8.10	8.31	8.79	9.46	10.11	13.33	15.12	19.23	24.78	35.05
1965	11.34	14.70	15.28	16.69	17.44	25.33	35.48	52.43	60.45	69.92
1966	10.52	10.66	10.93	11.34	12.17	14.98	18.22	26.08	50.14	63.07
1967	5.00	5.00	5.15	5.75	6.97	8.20	8.62	10.20	17.33	37.16
1968	6.89	6.89	7.35	7.81	8.56	11.02	14.48	19.80	23.92	24.57
1969	5.72	5.72	6.01	6.46	7.77	10.50	10.39	16.20	17.29	25.17
1970	10.07	10.17	10.57	12.09	14.62	22.31	33.90	38.51	41.71	48.29
1971	6.80	6.70	7.52	8.93	9.97	11.13	11.37	15.77	21.38	53.79
1972	19.36	20.45	22.66	24.42	25.62	35.85	49.20	61.89	73.46	92.80
1973	10.07	10.07	10.17	10.97	13.43	14.26	20.23	39.13	48.15	73.18
1974	9.73	10.07	10.71	11.94	13.56	14.78	17.21	23.44	26.77	35.78
1975	11.76	12.12	12.33	13.16	13.41	17.55	20.36	39.10	47.31	56.97
1976	11.04	11.04	11.76	12.72	13.05	15.45	16.81	27.19	34.11	39.42
1977	6.00	6.00	6.26	6.64	6.90	7.46	8.22	14.77	32.66	46.44
1978	7.12	7.64	7.83	8.37	12.34	16.10	15.95	20.10	30.85	35.09
1979	8.98	9.08	9.53	10.65	14.94	17.67	18.52	35.44	69.44	69.64
1980	10.32	10.44	10.73	11.54	12.09	14.16	14.59	26.37	43.82	47.94
1981	6.50	6.71	7.39	7.99	9.10	9.89	10.34	16.23	22.12	23.46
1982										
1983										
1984										
MEIA	9.14	9.23	9.70	10.67	12.67	15.45	18.00	26.00	37.13	45.69
DE PADRAO	3.00	3.63	3.84	4.44	4.99	6.70	8.85	12.42	16.34	18.10
COEF. VAR.	0.11	0.15	0.16	0.17	0.15	0.19	0.24	0.23	0.19	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
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1952										
1953										
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1959										
1960										
1961										
1962										
1963										
1964	3.85	3.92	4.11	4.24	4.57	5.21	5.43	6.60	7.67	10.40
1965	4.30	4.60	4.69	4.98	5.48	6.11	9.46	15.76	19.30	20.15
1966	3.85	4.15	4.59	4.85	5.11	5.99	6.85	9.14	16.57	20.08
1967	3.40	3.55	3.95	4.19	4.31	4.49	4.63	5.13	7.56	14.01
1968	2.05	2.15	2.81	3.02	3.29	3.95	4.88	7.07	10.26	9.88
1969	1.69	2.25	2.45	2.55	2.97	3.44	3.70	4.52	6.03	7.38
1970	3.19	3.58	3.71	4.07	4.25	5.93	6.44	7.83	10.85	12.56
1971	2.43	2.68	2.95	3.18	3.26	3.63	3.73	4.58	5.87	14.41
1972	6.55	6.63	6.92	7.71	8.12	10.23	13.07	15.93	19.18	23.23
1973	4.59	4.83	4.94	4.96	5.56	5.87	6.92	11.34	14.15	21.60
1974	3.38	3.83	4.18	4.51	4.74	4.89	5.27	7.50	8.46	9.94
1975	4.65	4.91	4.98	5.15	5.43	6.38	6.92	10.57	11.77	14.91
1976	5.16	5.25	5.27	6.55	6.90	8.04	8.37	11.07	12.16	12.16
1977	2.74	2.93	3.17	3.68	3.87	4.37	4.55	5.41	9.13	12.24
1978	3.50	3.50	3.67	3.95	4.39	5.09	4.93	6.31	8.35	9.42
1979	3.31	3.44	3.99	4.30	4.77	5.12	5.41	8.40	19.65	19.86
1980	4.27	4.27	4.43	4.55	4.65	4.96	5.33	9.83	14.76	14.15
1981	2.09	2.18	2.57	2.95	3.18	3.58	3.35	4.89	5.89	6.67
1982										
1983										
1984										
MEDIA	3.61	3.81	4.08	4.41	4.71	5.52	6.10	8.44	11.42	14.06
D. PADRAO	1.21	1.18	1.11	1.26	1.31	1.79	2.34	3.48	4.55	5.01
COEF. VAR.	0.11	0.10	0.07	0.08	0.08	0.10	0.15	0.17	0.16	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943	3.09	3.09	3.18	3.28	3.33	3.68	3.78	4.44	6.81	11.23
1944	0.98	1.33	1.45	1.52	1.66	2.15	2.30	2.69		4.58
1945	2.26	2.32	2.38	2.54	4.74	6.40	7.72	12.08	12.61	13.39
1946	5.23	5.30	5.39	5.72	7.64	9.84	11.34	16.37	16.31	22.34
1947	4.57	4.57	4.76	7.97	8.49	10.13	14.55	16.19	17.58	22.64
1948	3.47	3.62	3.82	4.09	4.63	5.89	7.75	8.11	14.08	17.14
1949	3.69	3.76	3.94	4.31	5.36	6.25	7.00	7.44	12.54	14.81
1950	2.76	2.92	3.27	3.40	3.62	3.90	4.06	6.44	13.49	16.26
1951	1.93	2.10	2.47	2.72	2.95	3.17	4.66	6.96	14.21	13.79
1952	4.57	4.57	4.79	5.09	5.83	6.02	6.69	8.14	9.79	12.79
1953	3.25	3.47	3.88	4.06	5.99	9.92	11.42	11.93	19.93	23.67
1954	5.45	5.82	6.29	7.14	8.22	10.71	15.53	19.32	32.63	36.44
1955	4.12	4.35	4.70	5.36	5.59	6.64	7.97	13.55	17.48	26.31
1956	2.26	2.43	2.54	2.62	2.90	3.87	4.81	6.24	7.29	9.84
1957	2.92	2.92	3.21	3.73	4.02	4.22	5.01	8.05	15.96	17.27
1958	1.76	1.98	2.63	4.38	7.32	15.94	21.54	24.55	26.70	30.03
1959	2.59	2.76	2.97	3.09	3.37	4.23	5.02	6.11	12.61	19.27
1960	4.57	4.72	4.98	5.69	6.84	8.93	9.08	18.61	21.74	26.26
1961	3.25	3.32	3.47	3.76	4.78	5.28	6.20	8.37	22.92	30.47
1962	1.60	1.60	1.69	1.91	2.20	3.11	3.26	3.66	3.92	4.93
1963	3.25	3.47	3.72	4.26	5.09	5.99	6.67	9.29	18.82	18.50
1964	3.25	3.25	3.34	3.94	5.23	6.11	6.77	10.29	11.65	15.04
1965	3.47	3.54	3.69	4.00	5.14	7.62	11.39	20.00	25.71	28.88
1966	1.93	2.21	2.64	3.57	3.95	6.41	7.82	11.50	21.56	24.66
1967	2.26	2.43	2.83	3.14	4.22	4.63	4.62	5.32	9.23	18.99
1968	3.25	3.40	3.53	3.63	3.93	4.56	7.42	12.07	14.31	14.38
1969	2.26	2.26	2.43	2.72	3.35	4.97	5.60	8.83	9.38	12.92
1970	3.25	3.54	3.97	4.93	7.11	11.52	13.37	15.04	19.38	21.97
1971	2.57	2.75	3.01	3.37	4.13	4.41	4.53	5.44	7.72	19.06
1972	6.34	6.84	7.31	8.23	9.74	12.75	16.65	21.88	26.12	32.20
1973	3.30	3.36	3.48	3.63	4.56	4.78	7.23	14.42	17.94	26.79
1974	3.30	3.36	3.77	4.25	5.08	5.40	6.09	10.34	11.93	14.30
1975	4.29	4.60	4.87	5.04	5.33	7.67	8.62	13.56	16.21	20.22
1976	4.29	4.46	4.91	5.98	7.61	8.40	9.73	16.20	16.17	17.77
1977	2.20	2.20	2.20	2.24	2.54	2.69	3.16	4.80	9.49	16.69
1978	3.66	3.66	3.77	4.12	4.61	5.49	5.30	8.61	11.21	12.77
1979	4.54	4.54	4.80	5.30	6.69	7.59	8.53	16.09	26.53	26.12
1980	2.57	2.57	2.65	2.79	2.92	3.50	3.80	6.90	9.44	10.53
1981										
1982										
1983										
1984										
MEDIA	3.27	3.41	3.65	4.14	5.02	6.44	7.81	11.05	15.71	18.93
DEP. PADRAO	1.15	1.19	1.22	1.52	1.80	3.03	4.17	5.43	6.56	7.31
COEF. VAR.	0.12	0.12	0.11	0.13	0.14	0.22	0.26	0.24	0.17	0.15

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
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1966										
1967										
1968										
1969										
1970										
1971										
1972										
1973										
1974				8.49	8.92	11.29	12.85	18.76	21.15	25.65
1975	9.30	8.30	8.30	8.84	10.12	10.78	12.14	18.32	18.41	20.28
1976	7.66	7.66	7.99	3.77	3.87	4.01	4.40	6.42	11.42	18.50
1977	3.62	3.62	3.66	4.96	5.53	6.71	6.43	10.31	13.66	15.67
1978	4.61	4.61	4.85	5.97	7.35	7.82	8.12	11.80	26.18	26.64
1979	5.10	5.10	5.47	6.49	6.69	7.70	8.18	15.68	23.34	22.82
1980	6.38	6.38	6.38	3.82	4.03	4.55	4.95	7.03	8.68	10.34
1981	3.62	3.62	3.62							
1982										
1983										
1984										
MEDIA	5.61	5.61	5.75	6.05	6.64	7.55	8.15	12.62	17.55	19.98
D. PADRAO	1.88	1.88	1.90	2.05	2.36	2.79	3.30	5.08	6.49	5.75
COEF. VAR.	0.11	0.11	0.11	0.12	0.13	0.14	0.16	0.16	0.14	0.08

VAZDES MINIMAS SELECIONADAS (m3/s)

POSTO: 75230000

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942	21.96	21.96	21.96	21.96	22.77	26.16	28.16	35.46	75.07	103.03
1943	21.96	21.96	22.06	23.42	24.26	27.55	27.89	33.02	47.74	78.01
1944	12.35	12.35	12.41	12.83	12.89	13.99	14.58	17.39	29.11	35.17
1945	15.90	16.63	17.00	18.53	31.87	40.28	42.08	65.32	75.46	78.46
1946	27.78	29.74	30.66	32.87	44.54	47.50	50.14	76.14	77.78	112.43
1947	17.60	21.46	28.68	35.94	43.44	53.15	53.81	72.84	87.57	110.16
1948	21.96	22.42	23.44	25.76	27.84	33.58	39.49	43.47	82.15	104.37
1949	18.10	18.47	19.08	19.84	26.40	28.73	32.75	39.08	71.59	85.08
1950	24.72	24.72	25.21	25.97	29.76	30.24	31.86	48.29	94.96	118.35
1951	19.20	19.20	20.19	20.35	20.90	22.75	25.84	44.34	88.28	84.54
1952	19.00	19.17	19.71	21.97	27.51	31.41	39.46	53.88	75.84	93.73
1953	36.50	37.17	39.93	53.76	61.83	74.55	73.78	89.26	142.71	169.70
1954	38.26	40.45	42.95	48.94	58.05	62.18	68.47	104.89	188.44	218.15
1955	22.65	23.34	24.13	25.57	29.43	45.80	59.14	81.63	109.69	129.45
1956	21.50	22.15	23.08	24.19	27.18	30.20	34.55	44.49	47.88	69.51
1957	24.10	24.35	25.28	26.60	29.31	31.64	35.27	39.87	74.08	94.40
1958	27.85	27.85	28.17	29.84	62.00	76.81	93.71	122.47	130.63	152.05
1959	19.55	19.77	20.01	20.76	22.84	22.93	25.69	32.36	80.38	110.80
1960	28.60	29.60	31.17	37.73	43.43	55.20	61.51	95.80	104.82	124.85
1961	24.85	25.35	26.03	29.91	32.15	35.09	39.17	48.77	121.45	158.68
1962	17.60	18.03	18.44	19.03	21.28	27.82	29.37	35.50	35.37	40.80
1963	24.10	24.10	25.17	29.48	30.11	31.49	36.23	44.75	55.26	79.39
1964	11.50	11.90	13.37	18.77	21.90	31.49	36.23	44.75	55.26	79.39
1965	27.10	32.17	33.93	36.66	40.36	49.73	64.23	106.89	122.62	156.26
1966	22.80	23.45	24.04	25.17	29.69	36.56	44.35	59.74	116.39	144.29
1967	17.60	17.60	18.06	18.60	20.72	24.52	25.39	27.22	45.81	97.30
1968	22.15	22.37	23.39	25.07	26.73	31.26	52.24	70.50	82.56	81.07
1969	18.90	19.55	20.20	21.41	25.46	32.51	31.98	46.93	51.15	70.76
1970	30.10	30.35	31.31	33.87	39.06	61.58	86.55	95.77	109.60	126.72
1971	17.20	17.75	20.69	22.88	25.76	27.63	28.55	35.89	48.91	136.80
1972	46.70	48.17	54.09	61.18	63.71	84.17	112.44	146.60	178.39	226.17
1973	30.10	30.60	31.42	33.84	40.12	42.07	55.99	101.61	121.76	190.92
1974	29.00	30.00	31.77	33.88	36.16	38.82	45.12	63.39	72.76	90.06
1975	21.56	22.22	22.50	22.92	24.00	35.69	46.65	93.85	113.54	141.37
1976	26.84	28.13	30.93	34.09	38.93	43.59	49.63	80.77	89.32	99.30
1977	16.13	16.31	16.96	17.12	17.30	17.90	19.57	35.23	71.97	109.70
1978	20.90	20.90	21.47	22.57	27.30	36.39	36.09	53.83	74.51	88.32
1979	22.88	23.54	24.58	27.17	35.45	38.38	39.96	79.94	161.87	166.64
1980										
1981	15.60	15.95	16.43	17.58	18.76	21.20	23.16	34.19	48.70	53.23
1982										
1983										
1984										
MEDIA	23.16	23.88	25.13	27.64	32.34	38.63	44.76	63.25	91.07	114.64
D. PADRAO	6.97	7.33	8.13	10.07	12.48	16.05	20.79	29.55	38.47	43.63
COEF. VAR.	0.09	0.09	0.10	0.13	0.15	0.17	0.22	0.22	0.18	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
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1963										
1964										
1965										
1966										
1967			2.69	2.90	3.40	4.27	7.92	13.13	17.49	17.40
1968	2.26	2.35	2.50	2.83	2.94	3.81	4.56	6.89	9.05	13.80
1969	2.26	2.35	2.50	6.47	7.93	12.20	13.13	18.94	24.02	29.43
1970	5.08	5.23	6.07	2.14	2.66	3.22	3.73	4.58	7.06	19.28
1971	1.50	1.63	1.87	5.69	7.95	9.89	10.42	14.37	26.86	50.88
1972	5.20	5.47	5.66							
1973										
1974				9.20	10.18	20.36	23.66	25.39	26.44	33.44
1975	6.99	7.07	7.28	7.57	8.51	10.97	11.29	14.17	15.63	22.52
1976	6.99	6.99	7.17	2.61	2.99	2.99	3.43	5.67	9.70	19.51
1977	2.44	2.44	2.49							
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	4.09	4.19	4.47	4.93	5.82	8.46	9.77	12.89	17.03	25.78
D. PADRAO	2.24	2.24	2.29	2.67	3.10	6.10	6.70	7.11	8.04	12.00
COEF. VAR.	0.30	0.29	0.26	0.29	0.28	0.52	0.47	0.30	0.22	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
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1966										
1967										
1968										
1969										
1970										
1971										
1972										
1973										
1974					19.48	30.26	37.19	45.52	50.75	63.63
1975	11.86	13.26	15.62	18.01	17.98	22.11	23.58	34.25	33.06	42.28
1976	6.22	7.66	8.98	13.95	3.74	4.02	5.16	8.50	18.07	40.63
1977	1.64	2.00	2.58	2.97	6.33	9.01	9.64	22.20	32.08	35.77
1978	2.91	3.63	4.55	5.88	9.06	11.42	14.42	28.57	72.70	74.68
1979	5.68	7.09	7.80	8.19	7.96	10.42	11.79	25.97	50.77	49.96
1980	6.22	6.61	6.80	7.44	7.96	5.16	7.37	10.64	18.83	23.92
1981	2.00	2.61	3.41	3.88	4.67					
1982										
1983										
1984										
MEDIA	5.22	6.12	7.10	8.62	9.89	13.34	15.59	25.09	39.47	47.27
ID. PADRAO	3.53	3.87	4.42	5.48	6.32	9.42	11.24	12.95	19.74	17.19
COEF. VAR.	0.46	0.40	0.39	0.40	0.41	0.50	0.52	0.27	0.25	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
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1945										
1946										
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1950										
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1953										
1954										
1955										
1956										
1957										
1958					32.47	33.00	39.35	49.94	128.69	188.01
1959	28.00	28.00	29.34	29.37	32.47	33.00	39.35	49.94	128.69	188.01
1960	55.00	56.00	59.86	73.33	80.17	108.00	105.86	186.52	203.42	247.93
1961	30.92	30.92	31.14	32.05	35.65	46.08	50.48	64.79	192.17	268.06
1962	24.10	24.27	24.80	26.32	30.81	37.21	38.95	52.24	54.26	63.10
1963	27.84	28.35	29.16	33.98	37.07	45.87	54.59	110.51	252.79	250.57
1964	17.18	17.71	18.57	24.82	30.71	41.57	51.47	64.49	85.57	131.29
1965	35.80	42.40	44.54	48.49	54.35	69.29	132.72	212.90	244.52	294.28
1966	35.56	35.56	36.26	36.76	39.77	50.91	66.61	90.09	201.02	264.46
1967	24.00	24.00	24.21	25.91	31.60	36.56	38.99	44.13	81.37	177.20
1968	30.64	30.64	31.69	34.09	36.62	44.91	83.11	125.53	142.04	145.95
1969	22.80	23.73	25.42	28.91	34.96	47.90	49.98	80.83	87.95	131.80
1970	46.60	47.50	49.84	51.47	60.09	110.42	160.40	170.68	209.85	233.52
1971	29.36	30.15	31.14	33.34	38.30	44.01	44.73	53.66	77.40	247.69
1972	73.75	75.50	80.64	102.25	108.06	152.09	188.36	273.87	342.07	435.52
1973	41.20	43.00	43.00	43.72	50.79	53.79	86.34	158.86	204.44	317.45
1974	41.75	44.79	47.36	53.68	56.30	62.40	72.65	115.55	139.53	175.06
1975	55.50	56.27	57.14	59.65	61.81	88.84	107.74	168.58	198.28	244.88
1976	54.58	58.18	60.26	65.14	81.78	89.28	96.74	137.25	147.39	173.02
1977	22.00	22.23	23.00	23.45	25.43	25.96	29.32	51.86	109.92	178.64
1978	30.64	30.64	32.40	36.41	42.31	56.05	54.48	97.74	136.13	153.29
1979	38.11	39.93	43.31	50.79	66.94	69.04	73.24	138.71	300.57	302.67
1980					25.10	29.65	34.54	50.85	75.32	85.92
1981	20.90	20.90	21.37	23.11						
1982										
1983										
1984										
MEDIA	35.74	36.35	38.34	42.59	48.23	61.95	75.49	113.61	164.30	214.10
COEF. PADRAO	14.11	14.78	15.77	19.51	21.27	31.81	42.18	62.18	77.41	85.10
COEF. VAR	0.16	0.16	0.17	0.21	0.19	0.26	0.31	0.30	0.22	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941	2.45	2.72	3.31	1.75	0.87	0.44	0.29	3.62	5.22	15.28
1942										
1943										
1944										
1945										
1946	5.30	5.30	5.40	6.39	7.87	12.79	14.13	25.41	26.01	32.29
1947	2.88	2.88	3.50	5.79	6.92	8.57	12.77	15.36	17.70	26.70
1948	2.22	2.22	2.45	2.68	2.84	3.36	4.76	8.78	14.24	18.83
1949	0.88	0.88	0.88	0.93	1.58	1.80	2.50	3.95	11.76	18.77
1950	1.88	1.88	2.05	2.63	3.17	3.96	4.13	7.07	11.72	20.52
1951	2.05	2.05	2.05	2.05	2.07	2.74	3.32	5.79	19.30	17.79
1952	1.55	1.55	1.55	1.69	2.22	2.31	2.36	3.22	6.94	12.15
1953	3.36	3.52	3.74	4.30	5.21	8.30	8.55	19.09	25.87	31.85
1954	3.47	3.47	3.93	4.62	5.20	8.39	8.07	27.00	45.14	57.27
1955	3.25	3.25	3.25	1.27	1.42	1.53	1.80	2.35	3.92	6.83
1956	1.02	1.05	1.14	1.75	2.31	2.85	3.16	6.00	10.46	12.78
1957	1.00	1.40	1.67	3.13	7.98	13.64	14.36	30.61	31.12	39.61
1958	0.87	1.14	1.69	2.24	2.58	2.75	4.89	5.10	8.91	13.29
1959	2.00	2.02	2.06	3.04	3.59	3.81	4.44	12.27	17.30	24.62
1960	1.90	1.92	2.04	2.30	2.60	3.25	4.44	7.13	21.36	30.18
1961	1.45	1.56	1.90	0.86	1.14	2.19	2.15	2.92	3.91	5.70
1962	0.72	0.81	0.82	2.70	2.87	3.82	4.60	8.07	24.52	29.15
1963	2.10	2.14	2.35	2.03	2.35	2.78	4.21	5.60	8.10	13.61
1964	1.44	1.56	1.68	4.18	5.38	8.31	13.74	21.75	23.52	28.75
1965	3.55	3.60	3.72	3.17	3.19	4.13	6.45	9.46	18.77	24.88
1966	3.02	3.08	3.14	1.70	2.07	2.66	2.96	3.21	7.05	19.11
1967	1.50	1.53	1.58	2.32	2.63	3.11	6.32	14.60	14.81	17.55
1968	2.20	2.21	2.23	2.04	2.76	3.39	4.14	7.11	7.99	14.51
1969	1.71	1.85	1.87	3.33	4.23	9.81	12.91	16.70	21.85	27.03
1970	2.90	2.90	3.04	1.05	1.66	2.31	2.57	3.18	5.25	18.84
1971	0.69	0.79	0.87	7.83	9.81	15.62	19.59	31.62	39.34	49.80
1972	5.75	6.34	7.22	3.10	3.69	4.01	6.30	13.61	16.26	27.81
1973	2.90	2.97	2.99	4.13	4.82	5.15	6.05	12.58	14.91	19.11
1974	2.68	2.93	3.32	5.06	5.89	10.35	12.84	16.14	18.10	23.66
1975	4.04	4.04	4.37	5.29	6.27	9.07	9.28	16.26	14.93	17.54
1976	4.04	4.29	4.66	1.04	1.19	1.47	1.73	3.08	7.41	14.24
1977	0.84	0.89	0.95	2.17	2.44	3.57	4.77	11.50	12.67	14.58
1978	1.69	1.69	1.74	4.85	5.16	6.27	7.56	14.83	32.41	33.83
1979	3.27	3.27	3.60	3.65	4.19	5.25	5.81	12.66	22.11	22.05
1980	3.43	3.43	3.43	1.24	1.33	1.98	2.94	4.62	8.17	11.79
1981	1.18	1.18	1.18							
1982										
1983										
1984										
MEDIA	2.36	2.44	2.63	3.03	3.67	5.16	6.47	11.59	16.77	22.58
D. PADRAO	1.24	1.27	1.39	1.65	2.15	3.71	4.47	8.04	9.77	10.77
COEF. VAR.	0.28	0.27	0.28	0.30	0.34	0.52	0.48	0.48	0.34	0.23

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956				7.14	8.72	10.42	10.92	19.87	44.16	50.01
1957	6.24	6.36	6.60	17.89	22.27	46.85	57.36	91.02	95.47	130.18
1958	14.40	14.85	15.53	8.54	9.17	10.05	19.24	19.95	34.20	56.78
1959	7.14	7.46	8.42	8.58	11.82	12.21	14.00	42.76	57.73	86.63
1960	6.60	6.60	6.70	6.63	7.16	9.47	12.28	24.37	78.85	105.69
1961	4.70	4.89	5.64	3.02	3.84	6.59	6.57	8.71		16.77
1962	2.75	2.79	2.86	8.84	9.38	12.85	14.20	26.77	84.35	100.39
1963	7.70	7.83	8.20	8.74	10.37	11.88	17.14	21.20	34.25	52.14
1964	6.60	6.84	7.59	20.29	22.57	29.37	50.45	84.06	88.55	105.65
1965	2.50	18.10	18.56	12.03	12.35	16.59	23.66	32.39	71.10	86.15
1966	12.00	12.00	12.00	5.94	8.03	10.44	12.06	12.65	28.36	64.58
1967	5.35	5.39	5.53	7.39	8.70	10.79	23.93	51.54	55.74	62.21
1968	6.90	6.97	7.06	7.18	14.30	21.04	23.06	31.97	36.25	57.43
1969	4.42	4.61	5.23	13.92	18.56	40.02	54.16	65.22	86.22	100.83
1970	11.30	11.53	12.37	4.53	6.23	9.00	9.50	11.96	19.87	67.51
1971	3.72	3.72	3.88	28.42	34.88	56.35	72.39	106.19	132.49	174.61
1972	22.00	23.50	25.50	10.49	11.73	13.02	20.31	40.38	53.40	92.93
1973	9.60	10.02	10.16	13.86	14.83	16.13	21.39	39.70	47.14	63.03
1974	10.38	10.96	11.54	22.23	25.70	40.37	47.55	68.61	67.58	80.73
1975	21.00	21.13	21.63	15.87	18.72	24.69	25.63	41.09	41.86	59.61
1976	12.58	13.40	14.33							
1977				6.78	7.63	13.10	16.00	45.71	52.43	58.31
1978	5.52	5.52	5.85	18.26	20.16	22.45	31.56	53.42	123.91	124.21
1979	11.15	11.61	12.87	13.39	15.32	16.94	19.51	38.39	69.26	72.89
1980	11.60	11.60	12.09	7.07	7.07	8.87	11.93	16.63	27.23	36.10
1981	6.04	6.04	6.44							
1982										
1983										
1984										
MEDIA	8.84	9.74	10.27	11.54	13.73	19.56	25.62	41.44	62.19	79.39
10. PADRAO	5.08	5.42	5.69	6.27	7.40	13.49	17.57	25.92	29.89	33.89
COEF. VAR.	0.33	0.31	0.31	0.29	0.29	0.48	0.47	0.39	0.23	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942	9.40	9.57	10.04	10.35	10.74	12.05	13.06	15.59	52.13	84.90
1943	13.10	13.10	13.10	13.77	16.26	23.81	30.31	37.20	43.26	64.56
1944	11.50	11.63	11.73	12.03	12.48	13.32	13.71	14.34	23.87	31.05
1945	13.36	13.36	13.36	14.35	19.73	22.90	36.36	72.25	74.75	84.81
1946	17.84	17.84	17.84	18.45	25.26	33.00	38.31	90.90	93.80	135.64
1947	10.00	10.00	10.13	11.74	24.80	30.93	35.69	51.31	65.69	104.00
1948	11.00	11.00	11.00	11.00	13.54	20.23	26.89	41.10	75.81	94.10
1949	11.78	11.78	11.78	12.74	15.53	17.04	19.94	24.41	53.85	75.18
1950	12.50	12.53	12.04	13.27	16.99	18.07	18.32	37.46	55.12	81.97
1951	12.80	12.80	12.80	12.90	13.67	15.21	18.97	27.82	77.82	72.93
1952	14.14	14.14	14.36	14.69	15.10	17.00	18.72	23.87	48.33	65.84
1953	8.16	8.16	8.16	8.16	8.67	37.66	46.06	78.72	122.35	134.68
1954	10.68	12.35	13.84	14.16	23.44	29.00	33.52	102.83	160.40	214.47
1955	9.48	9.48	9.90	13.48	19.13	24.50	40.06	62.80	80.16	91.69
1956	4.50	4.79	5.13	5.64	7.69	9.60	11.64	14.49	21.57	43.84
1957	14.50	14.62	14.87	15.29	17.88	21.52	22.75	32.68	62.15	73.38
1958	18.20	18.47	20.59	24.42	34.13	66.81	88.80	124.84	141.86	211.25
1959	15.98	16.23	16.46	16.77	19.70	23.75	33.25	36.90	65.46	105.37
1960	15.61	15.61	15.87	20.29	23.46	23.80	27.43	71.87	91.49	128.71
1961	18.20	18.73	19.23	21.16	22.12	24.29	28.60	48.60	115.06	147.74
1962	12.12	12.23	12.36	12.66	13.97	16.04	15.48	19.88	23.51	30.77
1963	16.72	16.97	17.41	18.07	18.49	20.87	23.94	51.12	121.04	137.07
1964	13.14	13.14	13.53	15.26	16.96	18.19	25.12	30.82	50.76	74.71
1965	29.96	29.96	30.15	31.63	34.80	48.04	79.22	119.76	125.48	155.25
1966	19.28	19.40	19.69	20.12	20.87	28.51	37.57	51.86	107.60	125.30
1967	10.00	10.00	10.00	10.26	11.80	14.58	16.38	17.54	43.42	95.98
1968	12.80	12.80	13.10	13.63	15.21	18.06	40.30	75.78	84.98	94.73
1969	11.40	11.40	11.55	12.73	22.03	29.24	33.15	45.93	53.31	83.45
1970	17.40	18.22	19.16	21.69	29.02	61.67	83.58	99.70	132.29	156.32
1971	6.00	6.07	6.27	7.35	9.35	13.29	14.35	18.55	30.84	114.29
1972	35.00	36.94	37.10	42.39	56.68	85.33	111.09	162.13	202.65	264.65
1973	15.84	16.10	16.12	16.49	18.59	20.80	32.03	62.88	82.50	145.95
1974	16.62	17.28	18.23	21.93	22.07	24.63	32.45	59.03	73.56	98.06
1975	29.05	29.22	29.92	31.50	33.94	58.65	67.50	90.13	95.46	119.13
1976	18.04	18.51	19.25	23.64	26.56	35.43	45.28	61.66	63.16	80.15
1977	9.24	9.24	9.48	9.69	9.90	10.71	11.22	17.59	42.26	76.56
1978	10.50	10.78	11.22	12.20	12.81	18.59	26.29	71.05	72.01	83.24
1979	16.65	16.95	18.31	23.64	26.70	30.59	41.95	73.93	167.39	166.44
1980	15.75	16.05	16.33	17.15	19.03	22.21	25.12	55.84	96.33	102.11
1981										
1982										
1983										
1984										
MEDIA	14.57	14.81	15.18	16.58	19.98	27.18	34.99	56.29	81.88	108.98
D.PADRAO	6.06	6.25	6.35	7.25	9.18	16.40	22.59	34.38	41.70	48.84
COEF. VAR.	0.17	0.18	0.17	0.19	0.21	0.36	0.42	0.37	0.26	0.20

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
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1964										
1965										
1966										
1967										
1968										
1969										
1970										
1971										
1972										
1973										
1974										
1975								5.36	16.22	38.86
1976					1.82	2.07		29.37	30.19	37.18
1977	1.70	1.70	1.72	1.75	2.07	3.92	10.68	39.12	75.28	83.30
1978	1.54	1.59	1.70	1.92	5.11	6.48	17.20	27.79	48.50	54.29
1979	3.30	3.37	3.53	4.35	3.59	3.86	5.65			
1980	2.90	2.97	3.13	3.27						
1981										
1982										
1983										
1984										
MEDIA	2.36	2.41	2.52	2.82	3.15	4.08	11.17	25.41	42.55	53.41
D. PADRAO	0.87	0.89	0.95	1.23	1.53	1.82	5.79	14.27	25.51	21.36
COEF. VAR.	0.14	0.14	0.14	0.19	0.24	0.20	0.27	0.32	0.36	0.16

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942	2.28	2.49	2.59	2.59	2.87	3.46	3.87	5.02	22.56	41.65
1943	3.22	3.54	3.77	4.05	4.13	4.29	4.51	5.21	8.03	28.80
1944	0.01	0.01	0.01	0.01	0.02	0.04	0.09	0.76	18.46	17.66
1945	0.38	0.62	1.37	2.10	2.44	3.28	4.54	24.28	35.03	43.00
1946	2.28	2.64	3.02	3.44	4.70	7.89	13.19	40.63	49.02	64.68
1947	1.97	2.38	3.16	4.29	7.18	16.09	25.00	37.08	44.34	65.27
1948	0.09	0.11	0.17	0.72	1.24	4.65	6.25	20.23	42.87	53.09
1949	0.19	0.29	0.31	0.81	1.23	1.86	1.82	3.84	17.19	32.68
1950	1.35	1.35	1.59	1.85	3.21	4.64	5.83	8.12	16.15	33.77
1951	0.59	0.62	0.73	1.48	1.87	2.29	3.26	6.51	29.66	29.58
1952	0.97	1.10	1.23	1.29	1.32	1.50	1.58	4.13	18.11	32.53
1953	0.40	0.40	0.66	1.23	2.01	6.42	19.82	59.11	74.40	82.52
1954	1.35	1.35	1.48	1.82	3.47	10.74	17.21	37.98	66.14	95.77
1955	0.88	1.00	1.42	1.74	2.31	5.55	14.59	37.22	44.65	47.56
1956	0.24	0.25	0.26	0.27	0.32	0.46	0.74	1.53	7.21	15.84
1957	1.16	1.22	1.52	2.23	4.20	10.62	10.61	32.06	39.52	44.57
1958	2.36	2.68	4.10	5.54	8.97	32.18	36.19	66.66	84.16	101.31
1959	0.36	0.47	0.92	1.52	3.38	5.61	6.30	9.28	25.53	44.30
1960	1.20	1.27	1.43	2.09	3.47	4.29	4.60	30.59	51.99	72.09
1961	0.90	1.00	1.31	1.52	1.69	2.44	3.33	14.44	45.34	65.93
1962	0.28	0.31	0.35	0.45	1.29	2.89	2.46	4.94	8.11	14.50
1963	0.44	0.48	0.52	0.96	1.22	2.76	3.08	5.49	41.36	55.93
1964	0.36	0.43	0.55	0.81	1.00	1.23	1.52	6.48	16.51	30.88
1965	6.19	6.42	6.72	7.53	9.37	19.62	60.41	77.32	80.30	98.93
1966	2.74	2.74	2.71	1.27	0.63	0.32	0.21	4.08	38.15	60.66
1967										
1968	2.13	2.18	2.55	2.91	3.48	5.72	13.66	32.64	40.79	52.38
1969	0.59	0.69	0.90	1.27	2.30	5.31	6.66	14.74	18.46	39.63
1970	1.66	1.81	2.17	3.23	5.48	22.98	22.94	43.92	53.32	66.20
1971	0.33	0.36	0.50	0.68	0.94	1.58	2.34	4.83	16.46	43.81
1972	4.50	4.72	4.88	5.65	11.59	37.14	60.89	80.88	93.85	125.91
1973	1.97	1.97	2.02	2.20	2.62	3.73	9.64	19.64	27.68	60.44
1974	4.50	4.79	6.35	7.47	8.03	14.93	15.08	31.88	30.46	42.82
1975	4.50	5.23	7.50	10.65	19.08	23.29	26.64	39.60	47.98	64.62
1976	5.38	5.97	7.18	8.39	12.13	19.41	32.90	34.58	38.49	51.14
1977	0.59	0.62	0.70	1.36	1.46	1.80	1.97	3.59	8.68	36.65
1978	0.78	0.81	0.82	0.93	1.34	4.04	4.08	26.86	33.20	39.20
1979	0.97	1.03	1.12	1.38	2.22	3.11	4.67	19.87	52.97	66.14
1980	1.66	1.66	1.72	1.87	2.28	3.41	4.56	18.46	36.28	39.54
1981	0.59	0.75	0.88	1.16	1.99	4.63	6.72	8.21	22.15	42.16
1982	3.54	3.97	5.45	6.11	11.79	16.02	21.53	91.94	119.33	140.84
1983										
1984										
MEDIA	1.65	1.79	2.17	2.67	4.01	8.05	12.13	25.34	39.12	54.62
D. PADRAO	1.57	1.70	2.05	2.47	4.06	8.86	14.57	23.51	24.95	27.72
COEF. VAR.	0.91	0.90	0.90	0.85	1.03	1.21	1.44	0.86	0.41	0.26

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955					2.12	2.43	2.82	3.75	10.12	18.94
1956	1.88	1.93	1.94	1.99	6.81	14.26	14.38	41.73	46.56	51.96
1957	2.40	2.44	2.87	3.81	11.73	37.88	48.54	73.96	92.51	114.49
1958	5.00	5.44	6.36	8.04	3.72	6.35	7.17	9.27	31.98	57.47
1959		0.49	0.78	1.34						
1960										
1961										
1962					2.19	4.70	4.25	15.01	69.16	79.43
1963	0.92	0.96	1.03	1.14						
1964										
1965										
1966										
1967					4.53	6.68	14.06	36.83	45.71	61.07
1968	2.08	2.31	3.05	4.16	6.42	8.59	10.55	18.80	23.81	48.18
1969	1.80	2.82	3.51	4.73	8.91	29.35	28.28	50.27	59.27	73.85
1970	5.16	5.38	5.59	6.28						
1971					16.66	52.10	74.83	97.47	113.25	149.30
1972	7.98	8.36	9.23	10.00	6.55	7.70	13.97	23.24	34.55	71.72
1973	5.16	5.44	5.71	6.08	12.01	18.01	19.22	36.18	35.13	48.64
1974	8.36	9.03	9.64	10.69	20.41	25.70	28.82	44.81	52.70	73.01
1975	7.03	7.22	9.38	12.62						
1976					4.57	4.78	5.04	6.29	11.66	44.13
1977	4.25	4.35	4.42	4.49	3.40	6.13	6.45	30.92	38.13	45.73
1978	2.62	2.66	2.70	2.87	2.39	4.26	6.08	20.03	61.28	76.04
1979		0.49	0.59	0.90	3.20	4.29	5.50	20.10	38.46	41.85
1980	1.96	1.96	2.09	2.38						
1981					17.42	21.58	28.06	112.39	145.64	171.98
1982	7.03	7.60	9.31	10.71						
1983										
1984										
MEDIA	3.74	4.05	4.60	5.42	7.83	14.99	18.71	37.71	53.52	72.22
D.PADRAO	2.73	2.79	3.20	3.75	5.81	14.12	18.90	31.01	35.50	39.44
COEF. VAR.	0.53	0.47	0.48	0.48	0.55	0.89	1.02	0.68	0.44	0.30

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
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1959										
1960										
1961										
1962										
1963										
1964										
1965										
1966					2.37	3.44	4.25	19.16	85.63	236.45
1967	2.00	2.00	2.02	2.12	2.94	23.98	45.31	77.02	123.65	131.61
1968	10.46	11.14	12.49	15.09	9.16	11.97	42.21	49.68	74.64	127.96
1969	5.41	5.41	5.71	6.51	15.87	21.57	24.29	152.50	136.54	174.71
1970	8.30	8.30	8.39	9.55	4.74	9.20	10.77	20.16	37.85	108.42
1971	2.98	2.98	3.15	3.49	24.06	57.34	129.58	329.56	369.43	499.26
1972	11.99	13.45	15.39	21.22	23.05	29.43	40.25	72.27	84.49	180.16
1973	10.54	12.42	14.49	16.06	20.24	43.27	47.40	64.19	81.91	147.65
1974	10.07	11.17	13.10	16.39	13.05	37.83	32.46	86.01	115.32	194.92
1975	5.41	5.57	6.08	8.16	63.28	85.22	102.71	139.23	177.16	205.40
1976	18.86	21.16	26.68	36.66	16.02	23.71	27.31	30.75	76.08	237.51
1977	9.28	10.70	11.48	12.94	5.30	5.85	7.62	14.80	56.61	108.77
1978	4.47	4.47	4.61	4.91	6.53	14.08	18.69	99.18	173.20	225.13
1979	5.41	5.41	5.44	5.63	26.86	40.18	68.15	126.53	187.79	209.34
1980	22.64	23.08	23.58	23.83	4.31	5.27	15.93	72.78	102.53	131.31
1981	1.79	1.96	2.12	2.85	24.39	47.15	71.20	300.51	356.80	383.93
1982	10.54	10.85	12.78	16.11	12.34	57.74	103.11	124.49	162.40	318.50
1983	8.21	8.44	8.98	9.42	9.58	11.86	14.86	96.56	167.62	240.04
1984	7.18	7.29	8.36	9.02						
MEDIA	8.64	9.21	10.27	12.22	16.78	29.39	44.78	104.19	142.76	214.61
D. PADRAO	5.42	5.89	6.86	8.76	14.00	22.47	36.54	87.18	91.71	101.15
COEF. VAR.	0.39	0.41	0.45	0.51	0.70	0.58	0.67	0.70	0.41	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942				1.17	1.80	2.09	3.35	5.65	8.73	26.56
1943	0.90	0.94	1.03	0.76	0.80	0.98	1.06	1.29	13.45	15.79
1944	0.59	0.64	0.70	2.65	3.55	4.06	6.27	19.75	27.96	38.30
1945	2.01	2.06	2.25	5.24	8.06	10.71	19.21	45.50	50.76	68.41
1946	3.38	3.85	4.85	5.38	6.17	14.58	17.87	26.42	32.66	54.14
1947	2.01	2.32	2.94	1.33	1.88	2.18	3.08	9.24	19.11	30.63
1948	0.85	0.92	1.05							
1949				2.99	5.02	6.78	7.70	11.79	18.19	48.87
1950	1.86	1.86	2.12	1.96	2.30	2.92	4.30	7.87	31.53	31.32
1951	1.77	1.77	1.81	1.93	2.85	3.48	5.39	12.01	27.70	37.76
1952	0.85	0.92	1.01							
1953				5.54	10.67	19.92	26.29	50.46	76.72	103.93
1954	4.31	4.31	5.16	2.65	4.73	8.33	16.67	30.40	44.77	46.89
1955	1.68	1.90	2.51	0.59	0.75	0.82	0.98	2.10	7.06	15.53
1956	0.28	0.34	0.46	1.50	3.06	5.00	6.63	24.33	31.96	40.97
1957	0.96	0.99	1.10	6.86	7.87	31.74	39.52	63.45	70.59	88.92
1958	3.08	4.36	6.26	1.25	2.99	4.89	5.46	6.95	24.29	39.01
1959	0.85	0.89	1.02	1.93	3.35	4.18	5.03	25.44	47.46	63.43
1960	1.23	1.26	1.42	2.73	3.07	4.86	5.75	21.14	40.52	57.79
1961	1.86	1.86	2.51	0.89	1.32	1.53	1.65	3.87	6.86	11.56
1962	0.48	0.54	0.67	1.98	2.29	3.91	4.43	10.19	42.38	52.07
1963	1.50	1.50	1.64	1.11	1.26	1.75	2.67	7.82	16.13	28.97
1964	0.85	0.87	0.91	9.26	10.02	26.01	56.38	61.12	67.12	81.97
1965	8.46	8.46	8.76	1.58	1.80	3.87	8.10	22.12	42.59	56.33
1966	1.32	1.38	1.46	1.05	1.69	1.85	2.01	3.95	16.43	44.03
1967	0.59	0.73	0.84	3.52	4.50	6.84	14.02	32.30	36.24	45.12
1968	1.32	1.53	2.00	1.80	3.58	5.93	7.77	15.18	18.52	36.37
1969	0.80	0.92	1.13	6.07	8.51	31.07	30.42	50.82	56.09	65.43
1970	2.16	2.47	3.21	1.33	1.95	3.18	4.43	6.55	16.55	45.32
1971	0.90	1.03	1.15	9.75	14.32	37.99	53.75	76.75	94.71	118.73
1972	7.95	8.38	9.28	3.49	4.18	5.93	10.82	25.80	34.86	59.24
1973	2.92	3.23	3.36	6.94	7.79	9.71	16.83	30.46	29.93	41.27
1974	4.77	5.00	5.34	11.34	19.36	22.79	27.59	36.01	40.64	53.07
1975	6.95	7.45	7.99	9.63	13.51	23.57	28.57	37.84	37.68	49.05
1976	5.70	6.70	7.99	1.25	1.36	1.63	1.98	4.61	11.15	34.83
1977	1.14	1.14	1.14	1.40	1.79	5.61	8.57	28.99	42.34	44.74
1978	1.14	1.20	1.28	3.80	5.07	6.59	10.16	26.80	61.24	70.68
1979	2.77	2.92	3.34	2.89	3.46	4.91	7.55	23.07	44.66	45.87
1980	2.62	2.72	2.79	1.89	1.96	6.06	10.41	11.44	21.11	35.34
1981	1.14	1.14	1.69	10.84	12.78	19.34	25.87	99.18	119.11	131.44
1982	5.24	6.13	7.65							
1983										
1984										
MEDIA	2.35	2.54	2.94	3.64	5.04	9.41	13.38	25.75	37.63	51.57
D. PADRAO	2.10	2.25	2.55	3.09	4.38	9.80	13.83	22.22	24.38	25.99
COEF VAR.	0.80	0.78	0.75	0.72	0.76	1.08	1.07	0.74	0.42	0.25

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958				1.67	2.18	3.20	3.75	4.41	10.76	16.06
1959	1.52	1.52	1.55	1.94	2.48	3.17	3.20	12.07	22.44	31.39
1960	1.63	1.63	1.77	0.98	1.20	2.30	3.09	13.71	21.63	28.88
1961	0.73	0.82	0.97	0.15		0.33		0.66	1.78	3.38
1962		0.10	0.13	0.52	0.66	1.24	2.25	5.94	17.12	22.14
1963	0.36	0.37	0.39	0.56	0.71	0.84	1.21	5.17	9.15	14.91
1964	0.42	0.42	0.42	3.81	5.19	11.82	23.03	28.17	30.15	35.97
1965	2.58	2.89	3.42	0.82	0.84	1.18	2.97	9.23	17.81	23.37
1966	0.73	0.75	0.77	0.32	0.50	0.75	0.90	2.26	8.61	19.51
1967	0.31	0.31	0.31	1.64	1.98	3.04	7.86	14.90	16.29	19.55
1968	0.92	1.03	1.27	0.72	0.98	2.88	3.38	7.48	8.19	16.32
1969	0.39	0.41	0.50	2.82	4.10	14.34	14.95	22.21	26.57	30.39
1970	1.44	1.58	1.89	0.66	1.20	1.49	2.05	2.78	7.78	20.61
1971	0.39	0.43	0.50	4.27	6.53	18.35	26.43	38.80	45.98	54.43
1972	3.68	3.80	4.12	1.53	1.94	2.56	5.62	10.71	15.22	25.14
1973	1.40	1.44	1.49	2.32	2.60	3.37	7.39	15.31	14.88	19.50
1974	1.75	1.91	2.02	3.97	5.90	6.46	9.81	15.38	17.47	22.16
1975	2.56	2.67	3.11	4.91	6.15	11.50	13.22	18.15	17.78	22.88
1976	2.25	2.67	3.11							
1977										
1978				1.18	1.81	3.27	4.59	11.43	27.90	32.59
1979	0.55	0.57	0.67	1.51	1.66	2.41	3.80	11.80	21.55	22.39
1980	1.17	1.24	1.33	1.17	1.69	2.87	5.46	6.71	10.71	18.07
1981	0.48	0.57	0.69	6.12	7.07	11.46	12.50	46.57	55.20	59.73
1982	2.72	2.72	3.20	2.98	4.48	5.63	8.16	10.88	17.21	41.88
1983	2.10	2.20	2.54	1.49	1.60	3.27	5.81	15.47	23.59	32.98
1984	1.05	1.17	1.18							
MEDIA	1.30	1.38	1.56	2.00	2.64	4.90	7.14	13.76	19.41	26.43
D. PADRAO	0.95	1.00	1.15	1.59	2.12	4.87	6.71	11.03	11.93	12.42
COEF. VAR.	0.54	0.52	0.54	0.63	0.65	0.98	0.88	0.64	0.38	0.22

VAZÕES MINIMAS SELECIONADAS (m3/s)

POSTO: 76490000

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
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1955										
1956					7.70	10.10	28.78	47.91	60.22	77.62
1957	4.60	5.52	6.83	7.34	14.90	67.38	81.44	126.40	129.35	166.91
1958	7.45	9.10	10.64	11.41	6.02	11.05	12.61	16.09	52.33	81.19
1959	3.60	3.67	3.86	4.12	8.67	9.43	10.27	49.07	87.39	122.52
1960	3.40	4.46	5.04	6.41	9.92	11.66	13.87	68.68	95.12	124.71
1961	5.98	6.47	7.34	8.50	9.92	11.66	13.87	68.68	95.12	124.71
1962	1.76	1.81	2.09	2.81	4.10	6.61	7.20	9.87	16.08	23.39
1963	2.85	3.07	3.26	3.88	4.57	7.67	9.42	21.52	82.57	100.53
1964	2.07	2.23	2.54	3.86	4.29	4.94	5.99	16.30	30.81	53.96
1965	15.56	15.92	16.18	19.22	23.03	48.18	112.80	125.55	138.81	161.69
1966	4.60	4.95	5.29	5.63	6.20	8.70	16.32	42.46	79.00	111.45
1967	3.00	3.67	4.20	4.79	5.71	6.03	6.36	9.65	33.84	88.04
1968	3.80	4.20	5.29	7.60	9.11	13.62	26.79	62.72	70.61	86.98
1969	3.40	3.67	4.21	5.07	7.51	11.29	15.03	27.79	33.86	68.21
1970	5.25	6.06	6.74	9.64	14.64	55.17	53.79	87.48	97.54	115.47
1971	0.94	1.25	1.76	2.65	4.79	6.54	8.31	11.75	30.62	89.62
1972	17.44	17.80	18.52	20.13	30.61	77.01	104.99	151.77	188.52	232.37
1973	5.82	5.97	6.64	7.00	8.39	11.78	22.80	43.42	62.03	107.35
1974	8.40	8.40	9.39	11.52	13.47	16.85	31.93	51.12	53.31	75.96
1975	10.14	11.45	13.06	19.47	32.52	40.03	47.84	68.90	75.23	100.53
1976	11.30	12.92	15.75	17.23	24.89	42.69	56.49	70.90	74.32	95.35
1977	3.44	3.44	3.48	3.85	5.36	4.92	5.55	9.78	22.94	70.19
1978	3.44	3.72	4.03	4.36	5.36	14.48	17.88	55.74	82.10	86.88
1979	5.00	5.64	6.58	8.16	9.78	13.17	18.54	45.04	117.84	135.60
1980										
1981				8.93	4.47	58.37	69.52	194.09	203.72	220.64
1982	19.48	20.73	19.14							
1983										
1984										
MEDIA	6.36	6.92	7.58	8.48	10.86	23.23	32.69	58.92	79.92	108.21
10. PADRAO	5.00	5.22	5.24	5.42	8.61	22.44	31.59	48.25	48.37	48.22
10. COEF. VAR.	0.62	0.57	0.48	0.41	0.63	0.93	0.93	0.67	0.37	0.20

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1955	15.40	17.90	17.96	18.87	20.51	28.26	158.53	178.52	299.28	298.38
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1964										
1965	50.02	51.87	53.67	65.69	87.07	218.92	411.42	534.72	608.45	672.58
1966										
1967	43.00	45.00	49.00	61.00	106.85	163.83	237.70	279.92	440.66	626.17
1968										
1969	16.40	17.27	19.35	28.30	45.59	52.18	119.44	148.72	208.53	327.92
1970										
1971	21.52	21.52	23.05	25.86	28.25	36.66	64.61	90.05	148.01	372.12
1972	94.00	97.20	101.89	105.57	154.60	353.09	513.70	852.42	957.00	1213.70
1973	35.52	36.07	36.59	38.88	46.28	75.98	141.56	171.21	252.85	499.73
1974	57.70	58.43	63.33	69.47	78.28	144.38	196.27	226.07	288.09	389.28
1975	58.80	61.87	68.27	90.40	146.52	212.99	216.29	328.83	367.74	515.02
1976										
1977										
1978	30.13	30.59	30.72	32.04	35.80	54.99	62.70	174.41	284.20	327.68
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	42.33	43.77	46.38	53.61	74.98	134.13	212.22	298.49	385.48	524.26
D. PADRAO	24.37	24.86	26.52	29.45	48.31	105.10	146.11	231.18	238.56	274.47
COEF. VAR.	0.33	0.32	0.33	0.30	0.42	0.61	0.47	0.60	0.38	0.27

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1969										
1970				4.09	4.23	4.42	4.48	4.58	5.18	8.11
1971	4.07	4.07	4.08	6.78	7.45	9.11	9.77	11.25	12.62	14.00
1972	5.97	6.11	6.47	5.35	5.57	5.74	6.18	6.61	7.09	8.86
1973	4.70	4.94	5.04	5.13	5.21	5.70	5.87	6.15	7.08	8.05
1974	4.93	4.96	4.99	5.49	6.02	6.42	7.22	8.77	8.43	9.12
1975	5.15	5.22	5.25	5.76	6.52	7.08	8.87	9.23	9.59	10.03
1976	5.51	5.51	5.56	5.37	5.60	5.70	5.94	6.76	8.16	9.06
1977	5.37	5.37	5.37							
1978										
1979				6.68	6.81	7.06	7.34	8.84	10.42	10.26
1980	6.11	6.11	6.21	6.24	6.47	7.37	7.43	7.62	8.02	9.52
1981	6.11	6.11	6.11	6.13	9.48	10.00	10.57	14.86	15.80	16.97
1982										
1983										
1984										
MEDIA	5.32	5.38	5.45	5.70	6.34	6.86	7.37	8.47	9.24	10.40
1D. PADRAO	0.69	0.68	0.74	0.80	1.43	1.68	1.89	2.92	3.08	2.86
1COEF. VAR.	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.12	0.11	0.08

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1967			50.80	58.32	87.06	173.46	214.09	329.40	356.81	408.98
1968	45.92	46.15	32.55	38.05	58.14	61.13	130.44	163.37	222.25	341.58
1969	29.40	30.27								
1970			30.58	33.54	34.68	44.01	72.82	98.88	157.43	395.76
1971	27.83	28.89	112.09	115.56	172.57	378.52	547.80	904.75	1023.33	1292.37
1972	108.00	111.27	78.09	80.49	88.46	121.79	182.60	215.21	300.72	555.25
1973	76.80	77.40	80.07	88.28	100.34	161.59	217.34	246.62	314.91	412.18
1974	73.20	75.90	76.56	100.47	164.32	221.08	228.00	341.45	378.24	526.77
1975	67.80	70.80	174.00	256.06	304.91	383.92	397.12	459.24	534.19	
1976	96.20	103.30	118.81	51.47	58.39	78.14	80.33	107.14	199.02	494.66
1977	43.00	43.93	45.00	22.76	26.87	48.96	65.22	186.66	294.88	376.94
1978	16.00	19.42	20.73	49.22	58.70	68.49	91.70	283.88	604.12	633.27
1979	36.33	37.96	44.25	69.53	76.93	97.76	137.16	262.37	425.42	460.30
1980	67.42	67.42	68.22	25.13	34.23	62.47	86.34	180.20	225.36	334.84
1981	21.62	22.89	23.47	131.46	158.99	213.76	321.86	840.00	1078.73	1157.65
1982	93.00	94.10	103.27							
1983										
1984										
MEDIA	57.32	59.26	63.18	74.16	98.27	145.43	197.11	325.50	431.46	566.05
D. PADRAO	29.88	30.63	32.85	44.12	66.31	103.05	139.56	247.36	287.30	293.25
COEF. VAR.	0.27	0.27	0.27	0.35	0.46	0.50	0.50	0.58	0.44	0.27

VAZÕES MÍNIMAS SELECIONADAS (m3/s)

POSTO: 76650000

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
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1965	14.80	14.80	14.80	14.94	15.88	17.09	17.45	18.25	20.15	24.31
1966	15.38	15.38	15.63	15.92	18.57	21.96	23.84	36.17	53.55	55.52
1967	9.40	9.75	10.55	10.92	11.44	13.33	14.69	23.59	29.84	34.56
1968	20.70	21.13	21.89	23.31	26.10	44.13	60.26	65.33	72.05	74.08
1969	14.24	14.33	14.52	14.98	16.66	19.83	21.94	30.94	45.59	57.60
1970	15.38	15.48	16.00	17.08	18.39	19.57	19.70	23.72	37.29	54.47
1971	14.80	14.99	15.21	16.63	20.24	24.83	29.14	42.86	49.17	52.80
1972	15.09	15.09	15.50	16.58	21.37	22.14	32.31	33.50	35.02	47.91
1973	17.70	17.70	19.07	21.39	23.04	33.69	31.81	47.03	44.43	51.51
1974	14.80	14.99	15.21	15.55	15.99	16.97	17.81	19.93	26.15	50.75
1975	24.58	24.58	25.16	25.42	28.17	48.41	56.57	73.89	90.44	107.63
1976	20.70	20.70	21.11	21.45	22.47	23.51	27.50	35.73	40.15	54.77
1977	17.41	17.41	17.58	17.92	20.29	21.62	24.76	28.56	37.99	49.47
1978	20.04	20.47	21.85	23.78	29.75	32.22	35.63	49.09	51.52	59.66
1979	20.36	21.00	22.50	26.21	30.14	35.11	41.74	54.25	55.38	63.00
1980	16.70	16.80	16.83	18.10	19.43	19.81	20.53	24.62	32.60	45.23
1981	16.70	17.00	17.69	18.99	19.44	21.41	22.75	33.08	58.18	60.07
1982	18.80	19.41	20.14	20.62	22.56	23.47	25.11	28.92	69.12	75.66
1983										
1984										
MEDIA	17.09	17.29	17.85	18.88	21.11	25.51	29.08	37.19	47.14	56.61
D.PADRAO	3.41	3.45	3.66	4.10	5.01	9.49	12.68	15.52	17.65	17.50
COEF. VAR.	0.04	0.04	0.04	0.05	0.06	0.14	0.19	0.17	0.14	0.10

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1977										
1978			1.70	1.91	2.41	8.09	11.97	32.96	59.30	69.15
1979	1.49	1.57								
1980			1.35	1.52	2.29	4.20	7.59	21.25	28.88	52.91
1981	1.28	1.28		9.51	14.01	20.67	31.25	97.92	115.54	120.50
1982	2.18	2.37	3.66							
1983										
1984										
MEDIA	1.65	1.74	2.24	4.31	6.24	10.98	16.90	50.71	67.91	80.86
D.PADRAO	0.47	0.56	1.25	4.51	6.73	8.61	12.61	41.30	43.97	35.29
COEF. VAR.	0.08	0.11	0.31	1.09	1.17	0.61	0.56	0.66	0.42	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1980	1.74	1.74	1.88	2.18	2.31	3.22	8.03	11.32	18.51	21.13
1981	1.01	1.03	1.05	1.11	1.42	2.53	3.42	7.67	9.96	18.71
1982	2.69	2.74	3.05	8.68	10.38	17.32	19.51	43.83	52.64	54.74
1983										
1984										
MEDIA	1.91	1.84	1.99	3.99	4.71	7.69	10.32	20.94	27.04	31.53
D. PADRAO	0.84	0.86	1.01	4.10	4.94	8.35	8.29	19.91	22.58	20.14
COEF. VAR.	0.22	0.22	0.26	1.06	1.10	1.18	0.65	0.90	0.70	0.41

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941	7.37	7.37	7.51	7.77	9.60	18.53	19.54	58.20	110.77	182.36
1942	4.10	4.22	4.43	4.56	4.74	5.47	5.61	7.32	33.95	81.19
1943	3.80	3.95	4.24	4.42	5.49	10.93	12.88	20.16	40.77	49.23
1944	2.90	3.10	3.24	3.46	3.65	4.40	5.46	6.57	73.05	63.32
1945	4.80	4.80	5.00	5.43	5.79	6.41	7.25	16.63	55.42	76.73
1946	4.45	4.74	4.93	4.98	5.87	8.67	13.59	76.49	112.60	133.53
1947	2.24	4.12	4.51	4.91	5.47	15.64	24.53	43.27	56.28	96.75
1948	3.80	4.00	4.08	4.44	5.03	8.19	11.38	33.20	46.01	98.11
1949	3.20	3.55	3.94	4.07	4.22	4.94	5.56	11.48	79.16	116.53
1950	3.20	3.50	3.50	3.99	5.99	7.59	8.18	24.69	27.09	61.76
1951	1.88	2.04	2.22	2.35	2.88	3.86	4.91	39.84	44.56	84.49
1952	2.90	2.95	3.22	4.33	4.63	5.15	5.39	7.61	19.33	63.35
1953	2.12	2.32	2.80	4.27	4.81	7.88	14.12	71.77	121.05	160.13
1954	1.64	1.84	2.10	2.79	4.63	9.04	20.58	35.38	54.09	105.67
1955	2.60	2.75	3.36	3.82	4.42	6.81	19.01	21.00	72.77	73.05
1956	2.24	2.40	2.58	2.65	3.17	3.92	4.31	5.97	28.55	68.56
1957	2.00	2.20	2.36	2.77	5.27	45.78	58.31	72.17	110.00	123.35
1958	3.50	3.80	4.60	6.85	11.32	35.68	38.97	68.82	80.16	168.66
1959	3.05	3.25	3.48	3.71	5.15	6.81	12.91	17.03	87.59	122.17
1960	4.10	4.51	4.87	5.91	6.67	8.50	9.62	34.56	107.30	172.69
1961	2.75	2.85	3.14	4.60	5.32	7.90	22.06	54.03	97.86	102.03
1962	1.40	1.48	1.74	2.18	3.68	6.79	11.07	51.26	43.60	60.22
1963	2.90	3.25	3.48	4.09	5.91	8.34	14.98	41.45	138.57	136.85
1964	0.24	0.25	0.36	0.46	0.59	0.86	1.86	6.03	24.78	34.85
1965	3.35	3.35	3.90	6.64	12.27	61.22	105.17	137.88	172.54	190.12
1966	3.10	3.20	3.93	4.68	7.90	11.28	20.71	51.94	100.80	158.28
1967	1.36	1.50	1.53	2.09	3.67	4.65	5.55	19.67	58.72	102.17
1968	2.80	2.80	3.23	3.91	7.98	16.52	49.32	79.66	88.84	101.25
1969	1.88	2.22	2.70	3.80	6.45	7.62	32.69	47.56	56.40	75.65
1970	4.00	4.33	4.66	5.05	6.48	15.68	15.71	70.25	74.12	85.98
1971	2.34	2.57	3.04	4.27	6.10	9.46	11.61	17.68	24.73	65.19
1972	6.30	6.52	6.96	9.00	15.09	45.38	123.57	224.71	269.20	322.57
1973	4.30	4.50	5.67	8.27	9.12	10.24	24.64	42.13	60.09	99.51
1974	4.30	4.50	5.57	5.82	7.38	24.97	33.30	57.10	68.88	92.14
1975	2.68	2.76	4.34	6.25	18.34	22.74	25.92	56.61	63.08	97.60
1976	7.62	8.13	10.41	14.22	27.20	34.82	79.49	88.53	114.73	121.86
1977	4.30	4.97	5.67	6.13	10.14	17.47	19.27	41.41	57.37	127.57
1978										
1979										
1980	5.79	5.79	5.92	6.04	6.79	14.43	48.41	64.73	99.57	113.90
1981	0.67	0.74	0.79	1.23	3.56	9.31	15.15	36.86	49.64	94.51
1982	6.94	7.77	9.63	22.48	34.40	55.12	68.55	196.43	229.28	239.59
1983	2.52	2.61	2.89	3.74	4.97	16.56	34.83	54.24	77.90	162.40
1984	1.10	1.79	1.92	2.33	3.06	4.44	8.15	66.15	109.35	138.05
MEDIA	3.30	3.55	4.01	5.11	7.50	15.00	25.58	51.87	81.92	114.86
D. PADRAO	1.69	1.74	2.03	3.60	6.26	14.40	26.86	45.18	50.96	54.05
COEF. VAR.	0.26	0.24	0.26	0.50	0.70	0.92	1.10	0.76	0.39	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955				20.92	21.68	23.57	25.58	35.55	203.03	340.91
1956	20.00	20.20	20.43	44.08	116.54	456.71	466.88	558.20	627.27	684.78
1957	33.00	33.80	36.54	100.41	115.96	337.71	332.06	603.97	756.82	1271.93
1958	88.10	88.53	91.80	46.66	62.57	83.11	99.02	128.27	536.71	815.80
1959	37.80	38.87	40.46	63.82	80.90	88.60	107.55	373.63	819.09	1117.58
1960	52.20	54.00	56.32	61.65	67.95	83.05	122.63	294.67	628.62	833.31
1961	52.20	54.00	59.15	30.20	37.35	54.68	84.34	145.10	168.18	232.70
1962	27.40	28.10	28.50	63.25	98.81	100.03	118.93	204.74	881.65	866.40
1963	44.40	48.42	52.38	17.93	18.50	19.80	24.06	32.11	99.91	197.69
1964	17.50	17.83	17.93	129.91	153.63	197.40	426.03	746.26	933.92	1093.33
1965	113.40	118.73	129.91	91.73	101.05	119.35	165.58	329.33	703.68	1067.97
1966	88.10	88.53	89.21	46.22	62.50	68.77	73.26	135.28	367.88	756.79
1967	42.70	43.55	45.01	100.10	159.53	266.62	354.16	524.54	561.79	635.68
1968	70.70	75.30	81.93	64.05	100.50	103.96	231.60	296.31	363.13	518.62
1969	45.00	47.00	52.69	88.57	131.35	290.70	293.51	592.50	570.57	699.82
1970	69.60	71.80	77.23	57.89	61.94	78.51	113.41	152.85	241.57	586.13
1971	49.00	49.67	52.84	192.45	253.55	569.40	804.14	1352.89	1554.00	1908.28
1972	148.60	151.00	172.71	127.66	140.28	178.43	272.17	326.90	439.96	775.86
1973	121.20	122.90	123.87	131.25	152.34	251.94	317.31	388.39	489.02	620.82
1974	111.00	112.70	117.07	137.85	224.35	323.69	317.75	493.61	530.15	753.55
1975	92.20	94.07	105.73	279.45	349.51	444.16	535.93	612.87	691.85	768.51
1976	164.90	171.87	202.03	91.39	109.43	134.94	141.56	201.84	328.48	727.10
1977	82.40	83.20	84.66							
1978										
1979				117.07	128.46	165.78	227.21	409.35	663.68	696.51
1980	110.50	111.50	112.64							
1981				113.87	280.26	351.78	492.58	1335.00	1631.95	1629.78
1982	155.40	165.20	191.03							
1983										
1984										
MEDIA	76.55	78.78	85.09	93.45	128.08	209.40	269.81	438.73	627.09	823.48
D.PADRAO	43.31	44.82	51.47	59.11	82.57	157.44	211.83	349.40	375.60	389.68
COEF. VAR.	0.32	0.32	0.37	0.40	0.42	0.57	0.62	0.63	0.36	0.22

ANO	DURACAO 1 DIA M ³ /S	DURACAO 3 DIAS M ³ /S	DURACAO 7 DIAS M ³ /S	DURACAO 15 DIAS M ³ /S	DURACAO 30 DIAS M ³ /S	DURACAO 60 DIAS M ³ /S	DURACAO 90 DIAS M ³ /S	DURACAO 180 DIAS M ³ /S	DURACAO 270 DIAS M ³ /S	DURACAO 365 DIAS M ³ /S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951			441.03	510.47	650.73	973.82	1138.06	1211.26	2297.16	3109.41
1952	403.00	407.67	861.17	904.92	1184.14	1656.99	1961.20	2770.01	4787.80	5189.88
1953	742.00	774.40								
1954										
1955			417.00	498.48	519.87	702.72	771.93	1051.53	1893.67	2559.77
1956	403.00	405.33								
1957										
1958										
1959										
1960										
1961										
1962										
1963	375.00	417.80	540.77	653.85	746.98	978.19	922.80	1865.70	4799.82	4394.85
1964	375.00	375.00	375.00	375.00	412.94	504.48	571.89	1021.79	1800.44	2229.70
1965	830.80	830.80	854.23	955.28	1136.11	2368.96	3993.06	5247.07	5760.50	6589.04
1966	521.00	529.30	555.39	574.67	622.70	1020.44	1643.35	2093.99	3726.66	4732.92
1967										
1968	417.00	417.00	417.00	490.83	759.07	1084.37	1667.48	2935.79	3613.69	3826.30
1969	431.00	433.33	455.20	581.88	943.70	1378.12	1536.49	1828.03	2425.13	3014.97
1970	587.40	590.17	621.21	737.90	1062.94	2519.71	3291.61	3915.49	4168.66	4822.48
1971										
1972	1712.80	1716.87	1792.00	2007.17	2708.40	3945.56	5025.19	5688.62	6792.88	8194.74
1973	751.60	767.60	792.06	983.92	1193.40	1532.32	1968.91	2280.65	3266.26	5123.05
1974	790.00	803.60	835.17	935.53	1602.21	2058.07	2610.32	2756.33	3130.01	3464.20
1975	1027.80	1027.80	1091.83	1213.12	1318.57	1839.48	2511.91	3323.19	4015.95	4575.39
1976	1123.60	1145.20	1218.37	1526.15	1723.15	2387.57	2745.41	3364.63	3596.25	3994.84
1977										
1978										
1979	902.40	926.67	964.86	986.64	1135.46	1470.92	1729.40	2568.28	5133.92	5078.74
1980	554.20	559.73	577.91	586.39	632.10	1154.47	1158.62	2218.45	3531.12	3817.91
1981	389.00	403.00	421.00	455.59	526.23	704.44	1273.65	1582.34	1836.33	2108.76
1982										
1983										
1984										
MEDIA	685.37	696.18	735.07	832.10	1048.82	1565.59	2028.96	2651.29	3698.68	4268.16
10 PADRAO	349.98	350.34	366.00	419.92	558.33	854.03	1167.76	1306.00	1394.91	1523.25
COEF. VAR.	0.26	0.25	0.25	0.25	0.28	0.30	0.33	0.24	0.14	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942	3.60	3.62	3.73	3.95	4.21	5.49	6.39	11.79	28.52	38.30
1943	10.80	10.80	11.14	12.08	12.72	13.81	16.28	21.78	28.09	42.95
1944	5.05	5.05	5.14	5.17	5.47	6.58	7.32	8.53	13.30	17.66
1945		6.48	7.97	9.53	15.05	19.27	20.72	35.64	45.42	47.15
1946	14.00	14.27	15.37	16.77	18.59	20.81	24.21	36.55	44.46	48.60
1947	15.60	16.13	16.86	18.67	21.24	28.20	30.30	38.89	42.20	50.95
1948	13.20	13.20	13.89	14.64	15.89	21.26	22.40	25.52	34.41	48.42
1949	10.00	10.00	10.00	10.59	11.76	13.59	15.13	18.91	31.07	43.05
1950										
1951	9.52	9.52	9.73	9.98	10.34	11.59	13.14	18.80	31.58	31.74
1952	16.40	17.20	17.31	20.03	25.23	26.39	26.96	31.58	42.99	48.31
1953	15.60	16.13	16.29	19.78	21.16	24.69	28.94	45.88	83.11	95.05
1954	18.00	18.00	19.29	20.55	23.13	26.41	30.64	45.56	90.13	112.74
1955	14.00	15.60	18.26	19.99	21.72	26.25	33.17	42.10	53.51	61.48
1956		8.88	9.11	9.96	10.86	12.34	19.95	23.74	26.68	40.80
1957	14.80	15.07	17.11	18.67	19.63	21.06	22.19	24.68	37.90	54.92
1958	23.40	24.30	24.81	26.55	34.02	44.94	46.84	63.04	79.11	94.56
1959	16.40	17.20	19.33	21.01	21.94	22.72	23.20	23.68	35.90	52.04
1960	21.60	24.90	25.71	27.36	30.35	31.52	34.63	46.04	61.24	67.61
1961	20.70	23.10	23.91	24.72	25.17	26.51	27.16	29.19	63.12	86.04
1962	10.00	11.33	12.06	12.93	15.36	16.49	18.22	21.32	22.36	25.46
1963										
1964										
1965	16.40	21.48	22.37	24.63	26.02	30.08	41.51	79.13	90.30	111.92
1966	14.80	16.40	21.73	27.33	29.40	33.76	34.76	38.46	71.76	100.78
1967	9.04	9.52	10.37	12.31	13.94	16.19	18.95	27.38	41.98	73.80
1968	11.60	12.13	14.23	15.81	17.30	22.75	23.25	29.03	31.75	33.07
1969	12.40	12.93	16.59	21.66	25.77	28.59	29.51	31.61	36.23	40.39
1970										
1971										
1972										
1973										
1974	19.80	23.40	27.39	29.16	29.70	31.88	34.12	42.93	48.25	51.01
1975	18.00	18.60	21.99	23.94	27.40	32.49	37.00	49.97	62.52	76.85
1976	18.90	19.20	23.27	25.02	30.67	35.04	42.83	45.90	52.03	58.66
1977	12.40	13.20	15.03	16.44	17.84	18.98	19.97	27.89	40.03	66.41
1978	13.20	14.00	14.34	14.85	15.97	23.84	30.58	35.63	46.78	50.54
1979	18.00	18.00	22.50	25.17	28.50	32.54	34.72	42.72	96.88	92.25
1980	18.00	18.00	24.11	26.28	26.68	28.52	30.06	45.09	62.00	67.53
1981	9.04	10.32	12.88	14.33	15.06	15.69	16.98	24.07	34.77	37.79
1982	29.70	32.40	35.10	36.41	39.34	52.91	65.79	114.15	126.63	139.17
1983										
1984	28.35	28.35	29.12	29.70	31.90	36.05	36.15	51.67	74.12	103.28
MEDIA	14.35	15.68	17.37	19.03	21.12	24.55	27.54	37.11	51.75	63.18
D. PADRAO	6.62	6.41	7.04	7.48	8.22	10.03	11.60	19.56	24.73	28.39
COEF. VAR.	0.21	0.17	0.16	0.15	0.15	0.17	0.18	0.28	0.23	0.20

ANC	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941	23.00	23.67	24.36	25.03	31.03	37.23	44.71	70.82	101.97	129.91
1942	11.66	11.66	11.66	11.88	12.67	15.76	17.39	22.69	50.03	64.55
1943	14.54	14.54	14.75	15.32	15.71	17.90	20.89	29.25	36.77	62.55
1944	6.00	6.00	6.00	6.38	6.47	7.69	8.70	10.46	18.25	25.01
1945	10.70	10.70	10.91	11.85	25.67	33.36	34.41	55.26	64.00	67.80
1946	22.00	22.17	23.50	25.21	28.60	35.11	40.56	62.73	70.68	76.84
1947	25.00	26.27	27.00	27.32	31.04	41.14	46.16	57.51	63.78	73.68
1948	19.40	19.40	20.14	21.77	22.75	28.62	33.21	36.08	50.93	69.08
1949	12.62	12.94	13.90	14.64	17.22	19.32	21.11	25.46	46.04	61.87
1950	24.00	24.00	24.29	24.77	26.56	27.62	31.72	48.39	82.02	92.53
1951	10.23	10.23	10.50	10.83	11.57	13.92	14.57	23.92	43.53	44.00
1952	16.30	18.53	19.49	24.14	30.48	31.11	32.31	39.31	55.45	64.50
1953	26.00	26.50	27.24	34.59	38.49	43.59	49.93	72.77	124.05	140.60
1954	24.00	24.67	31.23	32.76	35.55	44.77	51.48	73.89	138.52	172.48
1955	19.40	24.67	26.17	28.69	32.18	40.53	50.34	63.89	81.67	94.98
1956	14.06	14.22	14.68	16.24	18.98	22.01	31.28	36.95	40.91	59.00
1957	22.50	24.17	25.21	26.75	28.35	33.55	36.84	38.75	59.38	83.47
1958	37.40	37.67	38.31	39.64	51.94	75.13	78.14	107.26	132.34	151.89
1959	28.60	29.93	30.54	30.73	32.15	35.37	36.87	38.14	62.09	86.70
1960	35.30	36.07	37.17	40.60	44.35	47.13	52.45	73.38	98.29	107.90
1961	31.00	33.93	36.14	37.67	38.09	41.58	42.28	47.61	96.54	130.36
1962	22.00	22.33	22.57	23.37	25.79	27.04	31.85	34.54	36.26	41.25
1963	24.00	24.67	25.40	28.39	32.26	40.38	46.11	51.68	126.35	120.75
1964	22.00	22.17	24.70	28.40	32.21	33.26	36.57	44.53	51.96	68.92
1965	36.60	39.53	43.89	45.02	46.61	53.20	70.29	127.87	146.14	170.01
1966	34.20	41.67	44.25	45.96	46.56	51.37	55.00	62.27	113.93	159.84
1967	18.10	18.10	20.20	22.53	26.02	30.49	33.25	41.98	62.25	112.49
1968	20.70	22.23	27.01	31.59	36.39	40.22	43.39	52.07	56.91	58.30
1969	23.00	23.67	27.37	32.19	38.10	41.98	43.67	47.80	54.25	63.82
1970										
1971	24.50	25.67	26.16	28.85	30.66	32.77	35.57	38.59	52.78	110.83
1972	36.60	37.13	41.10	42.57	45.87	57.32	66.47	101.14	137.95	195.83
1973	34.20	36.33	38.31	40.39	43.22	49.07	66.00	82.89	110.86	157.55
1974	35.00	37.67	38.89	39.27	42.41	45.85	49.41	63.85	70.13	75.07
1975	27.00	32.07	36.49	40.16	43.62	49.39	54.77	77.99	98.54	121.34
1976	32.60	35.27	40.30	43.24	52.21	56.46	66.05	68.84	76.68	87.89
1977	18.10	20.92	22.75	23.57	24.78	25.28	27.32	40.76	59.70	98.93
1978	23.00	23.67	24.29	25.23	26.87	42.29	48.80	58.97	75.73	81.66
1979	39.80	40.07	40.83	43.12	46.70	52.21	55.17	69.40	149.75	144.18
1980	38.20	38.47	39.23	39.64	40.89	43.47	46.21	69.98	96.95	105.84
1981	17.45	18.75	21.24	22.95	23.93	25.37	27.37	38.64	54.67	61.73
1982	39.00	51.57	55.70	59.00	64.19	84.66	105.38	182.31	196.12	221.15
1983	46.40	46.97	47.86	52.11	55.08	61.85	84.49	95.14	143.49	233.06
1984										
MEDIA	24.95	26.45	28.14	30.12	33.43	38.96	44.49	59.18	83.06	103.58
D. PADRAO	9.48	10.51	11.21	11.73	12.47	15.49	19.10	30.98	39.30	48.65
COEF. VAR.	0.14	0.16	0.16	0.15	0.14	0.16	0.18	0.27	0.22	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943				0.45		0.73	0.92	1.45	2.59	3.01
1944		0.33								
1945										
1946				4.05	5.03	5.65	7.74	8.69	9.02	11.26
1947	3.32	3.32	3.54							
1948				2.14	3.21	3.62	3.77	4.45	6.89	8.46
1949	1.69	1.82	1.93							
1950				0.87	1.03	1.40	1.36	2.76	5.04	5.13
1951	0.52	0.52		2.23	2.86	3.36	3.55	4.82	5.86	6.65
1952	1.69	1.69	1.97	5.99	6.82	7.91	8.47	9.66	14.56	15.59
1953	5.10	5.34	5.68	4.88	5.94	6.44	7.54	10.53	16.89	19.63
1954	4.62	4.62	4.62	4.19	4.40	6.32	7.38	8.72	10.21	11.87
1955	3.97	4.04	4.16	2.57	3.26	4.31	4.48	6.11	6.24	7.17
1956	2.07	2.07	2.21							
1957				4.04	5.30	7.60	7.84	10.33	12.87	14.99
1958	3.97	3.97	3.97	3.46	3.60	3.68	3.99	4.79	5.89	8.67
1959	2.89	2.89	3.17	2.91	3.39	3.71	4.23	6.71	8.88	9.79
1960	2.59	2.59	2.59	2.86	2.92	3.12	3.25	3.90	9.17	12.16
1961	2.45	2.54	2.59	0.91	1.36	1.81	2.22	2.97	3.27	3.58
1962	0.72	0.72		2.34	2.84	3.28	3.77	4.42	11.95	11.26
1963	1.76	1.81	1.94	1.40	2.25	3.21	3.53	3.82	4.93	6.42
1964	1.20	1.20	1.20	3.54	4.04	5.71	7.77	11.62	12.81	14.39
1965	2.75	2.75	2.89	3.04	3.23	3.96	4.73	5.97	10.96	13.79
1966	2.75	2.80	2.93	1.76	2.07	2.44	2.71	3.09	5.37	10.51
1967	1.76	1.76	1.76	2.48	2.73	3.35	3.87	4.78	5.45	5.69
1968	2.45	2.45	2.45	1.67	2.23	2.64	2.74	3.38	3.87	4.79
1969	1.48	1.48	1.48							
1970										
1971										
1972										
1973										
1974										
1975										
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1982										
1983										
1984										
MEDIA	2.37	2.41	2.43	2.75	3.26	4.01	4.56	5.86	8.22	9.75
D. PADRAO	1.32	1.32	1.49	1.39	1.62	1.94	2.29	2.94	3.96	4.41
COEF. VAR.	0.31	0.30	0.37	0.26	0.25	0.23	0.25	0.25	0.23	0.20

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1957										
1958	2.96	2.96	3.03	3.22	8.02	9.61	11.54	16.59	20.33	23.21
1959	2.50	2.50	2.57	2.71	3.28	3.34	3.57	4.46	9.22	12.96
1960	3.88	3.88	4.04	4.34	5.26	6.53	8.12	12.26	14.08	15.89
1961	2.20	2.30	2.35	2.57	2.75	3.20	3.23	4.78	13.81	19.06
1962	1.60	1.60	1.71	1.80	1.95	2.21	2.41	2.74	3.10	3.63
1963	2.73	2.88	2.96	3.27	4.09	4.84	6.05	7.62	18.38	17.45
1964	2.20	2.30	2.41	2.51	2.89	3.29	3.69	4.61	6.33	9.34
1965	3.42	4.26	4.57	4.99	5.45	9.27	12.61	20.34	21.76	24.55
1966	5.92	5.92	5.92	5.92	6.20	7.04	7.93	10.97	19.90	24.94
1967	4.57	4.57	4.70	4.84	5.07	5.42	5.62	6.09	9.48	16.67
1968	4.80	4.30	4.80	4.91	5.18	6.00	7.48	8.37	9.24	9.65
1969	4.11	4.26	4.31	4.34	4.55	5.15	5.33	6.87	7.91	9.94
1970	5.92	5.92	5.92	6.20	6.73	9.31	12.40	15.41	16.58	18.49
1971	4.80	4.80	4.96	5.47	5.96	6.36	6.50	7.57	9.79	20.56
1972	8.62	8.85	9.25	9.90	10.35	13.17	16.85	21.03	26.93	35.89
1973	5.92	5.92	5.92	6.05	6.88	7.42	10.06	15.38	19.28	29.45
1974	5.36	5.36	5.52	6.20	6.56	6.95	7.67	8.98	9.86	11.24
1975	5.36	5.36	5.56	5.75	5.94	6.85	7.91	15.29	18.07	21.38
1976	6.20	6.39	6.52	6.76	7.06	7.71	9.26	12.27	13.60	14.39
1977	3.42	3.42	3.42	3.50	3.67	3.75	4.02	6.44	12.04	18.32
1978	3.88	3.88	3.91	4.23	6.60	8.12	9.21	10.14	14.21	14.28
1979	5.36	5.45	5.64	6.05	7.13	8.55	9.49	14.20	28.63	28.70
1980	5.36	5.64	5.76	5.96	6.13	7.20	7.37	11.79	16.82	18.36
1981	3.88	3.88	3.91	4.09	4.30	4.87	5.16	6.66	8.65	9.57
1982										
1983	7.94	8.17	8.28	9.23	11.24	13.07	16.35	19.49	28.06	39.87
1984	6.20	6.39	6.60	6.89	7.79	10.26	10.97	17.28	25.02	32.90
MEDIA	4.58	4.68	4.79	5.07	5.81	6.90	8.11	11.06	15.43	19.26
D. PADRAO	1.74	1.77	1.81	1.94	2.17	2.82	3.77	5.32	6.95	8.84
COEF. VAR.	0.14	0.14	0.14	0.15	0.14	0.17	0.22	0.23	0.20	0.21

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1959										
1960	40.76	44.48	45.84	52.05	63.42	70.21	79.81	116.25	149.93	167.68
1961	38.82	41.41	43.02	44.93	47.78	51.38	52.60	61.90	150.13	192.30
1962	25.80	27.30	28.24	28.56	31.85	38.12	41.30	49.42	51.62	56.99
1963	29.40	31.20	33.50	35.38	48.47	63.22	69.43	76.37	187.03	176.02
1964	33.00	37.20	41.96	49.31	54.46	59.42	61.68	66.33	80.44	103.72
1965	46.86	48.25	50.15	53.97	58.00	74.26	108.91	137.29	213.99	240.06
1966	46.86	48.25	53.40	59.76	64.45	67.35	74.37	93.08	176.74	235.01
1967	29.40	31.20	34.58	38.83	45.12	47.24	54.01	62.26	96.32	159.61
1968	29.40	32.15	37.82	42.58	51.47	52.98	70.51	79.95	88.13	88.97
1969	38.82	39.79	42.79	48.75	57.58	62.80	65.12	73.76	80.80	95.47
1970										
1971										
1972										
1973										
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1982										
1983										
1984										
MEDIA	35.91	38.12	41.13	45.41	52.26	58.70	67.77	86.66	127.51	151.58
COEF. PADRAO	7.59	7.52	7.74	9.34	9.67	11.20	18.43	39.96	54.91	62.96
COEF. VAR.	0.04	0.04	0.04	0.04	0.03	0.04	0.07	0.21	0.19	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1957										
1958										
1959			8.50	7.29	10.76	15.08	15.28	22.83	29.63	35.41
1960	7.85	8.08								
1961			0.81	1.08	1.60	2.25	2.52	3.88	6.34	9.53
1962	0.60	0.70	6.80	7.01	7.37	8.19	9.91	12.02	26.62	27.99
1963	6.10	6.22	4.86	4.88	5.43	5.96	6.20	6.95	9.58	13.84
1964	4.86	4.86	6.10	6.26	7.88	14.25	18.91	27.12	33.29	32.89
1965	4.86	5.07	6.80	7.01	7.35	9.15	11.57	15.73	26.12	34.18
1966	6.80	6.80	5.66	6.04	6.11	6.80	7.08	8.24	14.14	23.85
1967	5.48	5.48	5.26	5.56	5.95	7.03	11.06	12.10	15.02	14.46
1968	5.17	5.17								
1969										
1970										
1971										
1972										
1973										
1974										
1975										
1976										
1977										
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1981										
1982										
1983										
1984										
MEDIA	5.22	5.30	5.60	5.89	6.56	8.59	10.32	13.61	20.09	24.02
ID. PADRAO	2.13	2.15	2.24	2.35	2.59	4.27	5.20	7.97	10.04	10.23
COEF. VAR.	0.17	0.16	0.16	0.16	0.16	0.25	0.25	0.34	0.25	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 5 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941	5.17	5.17	5.77	6.60	8.00	10.22	11.05	20.48	43.62	59.85
1942	3.98	3.98	5.98	3.98	4.04	5.41	5.62	6.93	16.92	27.53
1943	3.19	3.45	3.55	3.79	3.85	4.40	4.56	7.77	10.65	19.94
1944	1.81	1.81	1.81	1.84	2.06	2.86	3.27	3.66	7.98	10.39
1945	3.58	3.58	3.58	3.66	6.97	6.55	8.72	23.09	25.99	34.08
1946	6.96	6.96	7.42	7.97	9.20	11.42	12.70	27.16	32.05	39.03
1947	2.79	5.51	7.47	3.91	10.81	19.39	22.85	33.06	34.33	42.86
1948	4.00	4.00	4.00	4.07	4.39	5.81	6.73	8.71	16.45	21.73
1949	3.70	3.70	3.72	3.76	4.65	5.01	5.70	7.97	15.98	24.63
1950										
1951										
1952	3.60	3.67	3.76	3.96	3.89	4.01	4.13	5.00	11.69	19.03
1953										
1954										
1955										
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1981										
1982										
1983										
1984										
MEDIA	3.88	4.12	4.51	4.85	5.70	7.51	8.45	14.38	21.56	29.91
COEF. VAR	1.39	1.40	1.81	2.22	2.77	4.96	5.67	10.55	11.83	14.39
COEF. VAR	0.13	0.11	0.16	0.21	0.24	0.44	0.45	0.54	0.30	0.23

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
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1964										
1965										
1966										
1967				55.07	58.23	63.62	90.03	112.77	121.11	127.58
1968	24.18	45.60	53.94	46.68	51.11	61.38	62.10	84.28	93.68	124.60
1969	25.21	29.23	39.53	70.39	72.75	85.12	91.24	106.73	128.19	168.95
1970	24.18	52.24	65.34	77.60	90.11	96.80	98.00	104.90	117.48	157.13
1971	37.46	60.02	71.35							
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	27.76	46.77	57.54	62.43	68.05	76.73	85.34	102.17	115.12	144.56
D. PADRAO	6.49	13.10	14.01	14.09	17.25	17.13	15.89	12.39	14.96	21.91
COEF. VAR.	0.05	0.08	0.06	0.05	0.06	0.05	0.03	0.01	0.02	0.02

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
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1947										
1948										
1949										
1950										
1951										
1952										
1953	2.70	2.79	2.93	3.53	5.01	8.14	12.32	16.74	31.14	40.05
1954										
1955										
1956	6.66	7.01	7.60	7.76	8.48	8.81	10.99	13.92	19.27	27.42
1957	3.61	3.83	4.09	4.84	7.91	14.55	17.55	25.88	34.53	41.99
1958	15.00	16.20	17.87	19.47	20.33	40.62	47.52	61.74	67.66	78.06
1959	7.01	3.66	1.57	0.73	0.37	6.81	10.56	13.62	23.62	38.86
1960	5.70	5.75	6.04	6.97	8.77	11.72	11.94	26.55	34.88	50.40
1961	6.01	6.33	7.29	8.28	9.28	15.40	23.28	29.98	44.98	76.13
1962	2.79	3.09	3.35	3.85	4.85	7.85	9.28	11.58	13.85	17.60
1963	6.32	6.43	6.66	7.50	8.51	10.19	11.14	22.47	54.78	56.61
1964	2.08	2.20	2.38	2.78	3.55	4.34	5.59	8.60	9.83	21.62
1965	2.89	3.09	3.53	3.76	5.27	9.91	15.54	31.93	42.05	46.24
1966										
1967										
1968										
1969	1.06	1.13	1.27	1.67	3.95	5.37	7.74	14.42	14.58	29.49
1970	3.09	3.16	3.28	4.21	9.94	22.84	24.99	38.00	41.39	53.09
1971	2.08	2.08	2.14	2.63	2.82	3.11	4.63	5.99	9.10	24.00
1972	2.70	2.86	3.07	3.29	4.02	7.76	11.37	21.92	37.13	56.21
1973	3.38	3.41	3.47	3.64	4.25	7.03	15.44	16.22	25.37	44.76
1974	4.13	4.22	4.59	5.07	6.06	6.36	7.15	13.75	12.70	17.40
1975										
1976	3.74	3.91	1.95	0.91	0.46	3.98	9.27	12.73	13.68	20.85
1977										
1978	2.01	2.06	2.08	2.29	2.42	3.48	3.84	10.84	16.71	20.45
1979	2.43	2.45	2.62	2.76	3.14	3.56	3.98	8.93	23.63	29.20
1980	2.50	2.53	2.61	2.68	2.75	3.08	3.68	12.83	23.56	25.85
1981	1.70	1.73	1.76	1.88	1.93	2.39	2.58	3.77	12.43	19.27
1982	1.00	4.09	4.60	5.32	9.27	12.89	16.22	45.37	54.65	69.26
1983	4.00	4.13	4.70	5.73	6.79	10.47	22.50	23.70	34.11	60.21
1984										
MEDIA	3.94	4.09	4.23	4.65	5.84	9.61	12.88	20.48	28.98	40.21
ID. PADRAO	2.92	3.00	3.41	3.79	4.21	8.17	9.71	13.50	15.99	18.97
COEF. VAR.	0.55	0.54	0.65	0.66	0.52	0.72	0.57	0.43	0.30	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1966										
1967					67.77	76.02	120.22	144.16	155.06	167.63
1968	25.50	53.10	65.14	65.99	73.72	78.01	86.74	114.50	125.94	172.00
1969	27.90	34.75	62.57	65.48	79.48	109.33	119.70	163.39	197.46	253.71
1970	30.30	62.19	75.90	73.83	79.48	109.33	119.70	163.39	197.46	253.71
1971	49.94	71.81	92.10	95.62	110.55	117.98	119.00	132.17	148.73	213.84
1972	135.68	143.96	146.13	152.70	167.19	201.62	222.01	297.47	395.27	570.27
1973	97.96	120.44	123.98	130.13	141.38	195.38	228.68	251.29	288.09	428.87
1974	40.17	86.28	93.36	133.60	138.22	154.33	156.48	175.93	178.87	208.64
1975	115.36	160.03	179.55	205.40	210.84	235.98	248.66	265.69	283.71	336.67
1976	83.20	115.36	129.76	139.02	157.04	178.42	193.74	199.40	209.77	240.48
1977		2.81		2.90	54.37	88.90	94.86	117.70	154.06	243.89
1978	16.00	21.57	38.31	58.03	90.17	96.88	114.31	139.79	161.79	161.24
1979	19.15	19.75	47.75	72.83	106.13	131.34	140.30	163.12	319.78	308.74
1980	14.60	23.47	67.45	96.21	100.72	108.91	112.00	167.42	197.16	201.63
1981		15.77	45.82	51.78	55.39	61.56	73.88	82.69	109.77	130.64
1982	19.60	43.00	96.42	118.06	132.02	174.70	218.65	444.70	469.61	566.69
1983										
1984		19.65	59.01	84.70	91.89	109.63	119.95	146.77	229.28	349.78
MEDIA	42.21	62.12	82.70	96.64	111.05	132.44	148.12	187.89	226.52	284.67
ID. PADRAO	42.74	49.53	45.21	48.40	43.84	51.64	55.96	89.57	100.64	135.90
COEF. VAR.	1.03	0.64	0.30	0.25	0.16	0.15	0.14	0.23	0.20	0.23

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1968										
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1970	42.50	67.28	83.05	88.57	93.84	121.22	131.32	169.07	205.11	264.13
1971	49.25	68.26	101.87	105.22	120.70	128.23	132.10	138.91	154.76	220.75
1972	106.37	143.52	151.36	160.34	172.05	209.37	230.39	310.22	411.17	597.66
1973	99.41	114.11	132.01	138.84	149.67	211.00	244.93	264.05	301.03	447.93
1974	46.50	64.07	84.37	126.62	144.07	163.81	164.78	179.35	183.45	217.19
1975	143.52	173.51	188.09	202.40	217.99	244.33	258.68	274.80	294.57	351.07
1976	68.66	117.15	135.18	142.64	157.36	181.50	198.60	207.16	214.58	246.87
1977		1.60		2.40	54.63	90.92	96.48	117.26	176.23	270.92
1978	27.85	33.30	41.63	59.87	96.98	107.73	122.16	145.80	166.29	166.75
1979	27.20	28.60	46.20	59.40	89.04	114.54	126.73	155.60	314.94	303.75
1980	25.25	38.10	75.04	108.24	114.83	120.90	125.78	179.16	206.65	207.17
1981	23.30	29.67	36.79	40.20	44.04	60.75	73.32	84.69	112.73	135.42
1982	38.50	58.22	108.16	141.26	162.95	204.24	250.20	459.52	484.43	577.47
1983	19.80	40.60	102.85	107.85	120.42	137.06	174.30	215.60	319.28	566.19
1984	19.80	50.75	86.07	103.26	115.76	134.98	144.80	168.71	251.08	367.69
MEDIA	49.19	68.58	91.51	105.81	123.62	148.70	164.97	204.66	253.09	329.40
ID. PADRAO	39.25	47.85	48.77	50.72	45.57	51.61	58.84	92.87	101.54	152.16
ICDEF. VAR.	0.64	0.49	0.28	0.23	0.14	0.12	0.13	0.21	0.16	0.21

VAZÕES MINIMAS SELECIONADAS (m3/s)

POSTO: 85438000

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1974										
1975										
1976	0.68	1.51	2.12	1.94	0.97	0.48	0.32	1.47	5.29	11.31
1977										
1978	0.13	0.05	0.06	0.14	0.14	0.07	0.12	6.58	8.11	9.17
1979	0.14	0.15	0.19	0.20	0.24	1.01	2.32	4.46	13.36	16.77
1980	0.18	0.24	0.34	0.44	1.04	1.10	1.50	5.70	7.97	10.00
1981	0.14	0.05	0.02	0.06	0.12	1.42	2.68	3.28	7.66	13.14
1982	0.35	0.76	0.40	0.18	0.29	3.60	6.50	21.77	32.93	41.17
1983										
1984										
MEDIA	0.27	0.46	0.52	0.49	0.47	1.28	2.24	7.21	12.56	16.93
D. PADRAO	0.22	0.58	0.80	0.72	0.42	1.23	2.33	7.36	10.33	12.18
COEF. VAR.	0.65	1.60	2.34	2.11	0.82	0.93	1.08	1.04	0.68	0.52

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
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1965										
1966										
1967			0.47	0.67	1.17	1.27	1.69	5.63	9.66	9.89
1968	0.40	0.43	0.33	0.39	0.57	1.16	4.81	8.38	9.64	14.33
1969	0.28	0.31	0.33	0.94	1.16	1.39	1.44	6.93	9.41	12.21
1970	0.84	0.87	0.88	0.77	0.82	0.90	1.32	1.79	3.26	10.35
1971	0.65	0.66	0.70	1.27	1.78	2.96	7.07	18.21	20.78	30.11
1972	0.81	0.94	1.09	0.73	0.87	0.88	1.08	1.69	3.16	13.38
1973	0.59	0.66	0.71	0.71	0.78	1.06	1.33	4.50	5.98	10.76
1974	0.38	0.40	0.47	1.37	2.20	3.37	4.41	7.06	7.91	17.81
1975	0.93	0.98	1.14	2.21	2.55	3.01	4.20	8.00	10.29	14.29
1976	1.77	2.09	2.19							
1977			0.99	1.10	1.24	1.49	1.91	3.03	5.53	8.79
1978	0.90	0.93	0.89	0.94	1.36	1.69	2.25	8.65	13.65	17.51
1979	0.84	0.86	1.99	2.12	2.19	2.62	3.59	5.36	13.29	14.45
1980	1.79	1.82	0.97	1.13	1.46	1.90	2.35	7.18	11.91	13.08
1981	0.74	0.83	2.06	3.03	3.42	8.55	8.17	21.08	24.32	29.95
1982	1.70	1.85								
1983										
1984										
MEDIA	0.90	0.97	1.06	1.24	1.54	2.30	3.26	7.68	10.63	15.49
D. PADRAO	0.50	0.56	0.60	0.73	0.80	1.99	2.24	5.58	6.06	6.69
COEF. VAR.	0.31	0.33	0.32	0.35	0.27	0.75	0.47	0.53	0.32	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
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1966										
1967										
1968										
1969										
1970				0.92	1.10	1.88	3.86	7.08	11.37	33.92
1971	0.66	0.69	0.75	4.27	6.60	9.86	20.67	53.50	61.16	93.78
1972	2.43	2.69	3.15	1.37	1.65	1.96	3.26	6.19	9.69	37.31
1973	1.30	1.30	1.31	1.99	2.33	6.99	8.45	20.54	24.63	38.35
1974	1.06	1.13	1.29	2.65	4.28	7.68	7.50	17.98	23.98	49.12
1975	1.16	1.16	1.42	4.10	6.27	7.70	20.36	28.05	36.80	46.30
1976	3.20	3.30	3.34	0.54	1.16	1.98	2.23	3.32	12.65	40.48
1977	0.44	0.46	0.49	0.27	0.27	0.30	2.69	8.83	14.80	22.86
1978	0.26	0.26	0.26	0.38	0.49	1.03	3.41	12.76	30.93	51.98
1979	0.24	0.26	0.30	2.19	3.25	5.50	8.31	12.26	24.35	28.25
1980	1.55	1.68	1.92							
1981				10.69	16.40	24.57	29.72	65.96	80.27	89.19
1982	4.69	5.52	6.75							
1983										
1984										
MEDIA	1.54	1.68	1.91	2.67	3.98	6.31	10.04	21.50	30.06	48.32
D. PADRAO	1.39	1.60	1.92	3.00	4.66	6.87	9.28	20.38	22.21	23.01
COEF. VAR.	0.81	0.91	1.01	1.26	1.37	1.18	0.85	0.90	0.55	0.23

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	0.58	0.66	0.80	1.16	5.19	10.74	29.35	94.11	124.84	174.02
1941										
1942	0.22	0.23	0.23	0.24	0.24	0.25	0.27	0.31	24.31	70.11
1943	0.19	0.19	0.20	0.21	0.24	1.43	1.56	18.76	17.62	28.76
1944	0.95	0.97	0.98	0.98	0.98	0.99	1.02	1.15	62.22	66.62
1945	0.95	0.97	1.01	1.09	1.13	1.18	2.55	4.82	19.35	42.54
1946	1.31	1.33	1.37	1.42	1.43	1.51	2.07	46.85	75.74	101.32
1947	1.25	1.31	1.34	1.36	2.04	2.37	4.66	13.09	41.65	82.75
1948	1.10	1.11	1.14	1.16	1.23	1.42	3.13	10.36	37.77	64.60
1949	0.58	0.63	0.74	0.81	0.84	0.94	1.01	1.75	40.10	68.38
1950	0.73	0.78	0.81	0.90	0.93	1.05	1.47	2.71	13.90	53.27
1951	0.53	0.53	0.54	0.55	0.55	0.56	0.62	11.83	29.46	48.96
1952	0.26	0.28	0.34	0.50	0.89	2.97	3.99	10.61	14.42	67.49
1953	4.59	4.74	4.98	5.76	6.93	14.66	24.78	64.52	113.14	123.58
1954	4.59	4.89	5.36	5.81	7.61	10.38	11.53	23.81	54.10	113.65
1955	4.14	4.29	4.78	5.55	6.28	8.04	17.82	51.84	58.03	70.05
1956	1.87	1.87	1.87	1.87	1.87	2.25	2.95	4.60	27.61	50.70
1957	5.49	5.49	5.81	6.93	10.89	28.37	40.72	57.41	64.83	95.49
1958	12.45	12.45	13.35	13.87	21.22	45.20	46.18	95.14	163.17	211.34
1959	0.46	0.46	0.47	0.49	0.71	2.89	5.15	9.35	64.77	112.13
1960	1.06	1.06	1.09	1.10	1.20	2.42	5.08	23.40	78.89	142.87
1961	1.75	1.77	1.94	1.96	2.24	3.27	6.89	29.91	86.65	102.10
1962	0.98	0.98	1.01	1.08	1.26	3.00	5.83	17.52	19.84	30.07
1963	1.31	1.64	2.07	3.54	5.87	6.55	6.80	13.53	115.73	112.42
1964	0.31	0.32	0.34	0.37	0.41	0.44	1.72	8.15	25.63	37.81
1965	7.73	8.78	9.41	17.28	18.95	38.08	101.08	126.47	143.34	164.26
1966	7.73	7.73	7.96	8.26	10.83	15.48	21.62	36.94	92.77	158.35
1967	0.19	0.19	0.22	0.31	0.55	0.79	1.34	8.85	40.58	96.79
1968	2.14	2.51	3.25	4.29	9.01	22.88	30.74	50.85	57.90	72.24
1969	2.42	2.55	2.67	3.22	6.03	8.35	14.90	18.47	39.01	69.19
1970	5.49	5.78	5.87	6.62	8.62	15.08	18.07	51.50	50.47	79.67
1971	4.59	4.89	5.23	5.61	5.89	6.87	12.09	26.48	37.92	95.13
1972	5.49	5.78	6.12	6.79	10.93	22.76	46.77	126.71	146.08	228.62
1973	5.93	5.93	6.19	6.47	6.93	9.87	15.92	22.48	33.36	97.40
1974	2.83	6.38	7.18	8.31	9.59	16.94	21.19	40.94	52.64	83.53
1975	6.38	6.68	7.62	11.56	23.48	28.27	32.40	60.52	67.36	123.83
1976	13.16	15.34	17.96	21.67	29.90	51.65	78.06	94.39	122.88	152.34
1977	6.38	6.68	7.53	7.73	8.37	13.53	13.79	19.81	36.51	108.28
1978	2.69	2.69	2.89	3.08	3.21	3.56	5.07	25.53	41.91	58.14
1979	3.24	3.39	3.75	4.02	4.29	5.41	11.24	20.88	77.22	115.88
1980	2.55	3.10	3.18	4.76	8.57	15.39	19.54	34.53	57.71	69.38
1981	1.14	1.16	1.28	1.75	2.59	3.98	7.40	37.94	49.33	72.98
1982	1.87	2.72	3.79	10.32	23.75	32.93	44.43	143.93	214.58	250.14
1983										
1984										
MEDIA	3.09	3.36	3.68	4.54	6.52	11.06	17.21	37.21	65.13	99.22
D. PADRAO	3.13	3.40	3.78	4.82	7.27	12.89	21.33	36.64	44.94	51.26
COEF. VAR.	1.03	1.02	1.06	1.13	1.25	1.36	1.54	0.97	0.48	0.27

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948	0.50	0.50	0.52	0.56	0.60	0.64	0.95	1.31	2.92	5.33
1949	0.33	0.33	0.34	0.36	0.38	0.46	0.56	0.79	3.89	6.14
1950	0.39	0.40	0.40	0.43	0.60	0.75	0.82	1.41	1.86	5.53
1951	0.29	0.30	0.30	0.31	0.37	0.38	0.48	1.46	3.76	7.18
1952	0.33	0.34	0.36	0.40	0.41	0.53	0.57	0.95		5.83
1953	0.50	0.50	0.53	0.61	0.74	0.97	1.10	4.06	7.62	9.80
1954	0.41	0.42	0.45	0.60	0.70	0.80	0.90	1.38	4.84	9.29
1955	0.41	0.42	0.43	0.46	0.64	0.78	1.67	4.82	5.93	6.69
1956	0.37	0.37	0.38	0.38	0.39	0.41	0.47	0.63	4.40	8.37
1957	0.73	0.77	0.78	0.84	1.30	2.60	2.87	5.70	7.34	10.27
1958	1.02	1.19	1.34	1.50	1.66	4.05	4.81	10.30	18.34	23.02
1959	0.43	0.43	0.44	0.46	0.54	0.99	1.09	1.31	6.04	9.92
1960	0.50	0.52	0.55	0.63	0.84	1.27	1.47	2.01	6.92	13.91
1961	0.79	0.79	0.81	0.85	0.90	0.96	1.45	2.77	6.84	7.88
1962	0.24	0.24	0.27	0.30	0.35	0.46	0.71	1.50	2.77	4.21
1963	0.43	0.45	0.46	0.48	0.59	0.69	0.90	1.23	14.46	14.04
1964	0.37	0.37	0.38	0.40	0.43	0.47	0.53	1.09	2.15	4.07
1965										
1966										
1967										
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1981										
1982										
1983										
1984										
MEDIA	0.47	0.49	0.51	0.56	0.67	1.01	1.26	2.51	6.25	8.91
1.D. PADRAO	0.20	0.23	0.26	0.29	0.35	0.94	1.09	2.49	4.43	4.68
1.COE.F. VAR.	0.18	0.22	0.25	0.27	0.27	0.86	0.75	0.98	0.50	0.28

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
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1972										
1973										
1974										
1975										
1976				1.74	2.18	2.40	2.50	2.74	4.83	11.46
1977	1.55	1.55	1.59	2.74	2.83	3.09	3.19	5.51	6.33	8.62
1978	1.38	1.91	2.24							
1979				1.02	1.27	1.73	2.08	3.15	4.89	6.03
1980	0.54	0.66	0.85	0.69	0.76	1.01	1.20	3.71	3.46	7.27
1981	0.65	0.65	0.68	1.55	1.78	2.49	3.18	10.54	15.92	19.78
1982	1.12	1.17	1.31							
1983										
1984										
MEDIA	1.05	1.19	1.33	1.55	1.76	2.14	2.43	5.13	7.09	10.64
D.PADRAO	0.44	0.55	0.62	0.78	0.80	0.80	0.83	3.21	5.04	5.50
COEF. VAR.	0.18	0.22	0.22	0.26	0.21	0.14	0.12	0.39	0.51	0.27

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941	1.95	2.04	2.53	2.84	3.25	4.09	9.79	39.29	233.21	196.93
1942										
1943										
1944										
1945										
1946	2.97	3.05	3.24	3.49	3.63	4.60	6.32	20.56	26.01	30.16
1947	2.30	2.35	2.63	3.39	3.46	6.59	8.04	13.60	23.02	30.82
1948										
1949										
1950	1.12	1.18	1.19	1.24	1.60	2.84	2.93	4.16	7.14	16.23
1951	0.17	0.20	0.26	0.34	0.48	0.93	1.33	2.29	18.36	19.37
1952	0.60	0.67	0.97	1.26	1.71	2.40	2.66	4.44	9.77	20.25
1953										
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1981										
1982										
1983										
1984										
MEDIA	1.52	1.58	1.81	2.09	2.35	3.57	5.18	14.07	52.92	52.29
LD. PADRAO	1.07	1.08	1.16	1.32	1.28	1.97	3.38	14.20	88.63	71.11
COEF. VAR.	0.50	0.47	0.41	0.40	0.29	0.30	0.42	1.02	2.80	1.85

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
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1968										
1969										
1970										
1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979	0.45	0.45	0.49	0.62	1.87	3.13	3.42	7.77	17.94	19.82
1980	0.54	0.54	0.54	0.56	0.76	0.82	1.55	12.38	16.63	16.91
1981	0.14	0.29	0.31	0.33	0.34	0.39	0.59	1.11	8.14	11.85
1982	1.46	1.78	2.84	3.19	4.65	8.38	10.45	24.84	28.78	34.67
1983										
1984										
MEDIA	0.65	0.77	1.05	1.17	1.91	3.18	4.00	11.52	17.87	20.81
ID. PADRAO	0.57	0.68	1.20	1.35	1.94	3.67	4.45	10.01	8.47	9.81
ICOE. VAR.	0.77	0.80	1.31	1.32	1.04	1.33	1.24	0.75	0.22	0.22

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940						1.50	2.30	11.92	17.51	20.84
1941	0.09	0.10	0.26	0.30		0.44	0.57	3.46	8.12	13.25
1942		0.09		0.11	0.28	0.44	0.57	3.46	8.12	13.25
1943		0.09		0.35	0.75	1.61	1.76	4.62	6.10	13.82
1944										
1945										
1946										
1947										
1948										
1949										
1950	0.90	0.95	1.06	1.58	2.03	2.50	3.10	4.41	5.34	9.30
1951	0.82	1.03	1.27	1.76	1.96	2.93	4.96	6.45	15.44	17.48
1952	0.86	1.01	1.07	1.14	1.52	1.81	2.49	3.31	6.49	11.08
1953	1.30	1.47	1.57	1.67	2.48	3.60	6.21	10.03	15.35	17.29
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
1962										
1963										
1964	0.44	0.48	0.51	0.60	0.74	1.29	1.31	2.37	3.60	5.59
1965	0.57	0.74	0.94	1.06	1.28	4.98	10.36	14.72	16.95	101.49
1966	0.83	0.85	0.88	0.93	0.98	1.38	2.83	3.39	12.60	19.44
1967	0.53	0.57	0.65	0.92	1.29	1.62	1.73	2.14	5.14	11.76
1968	1.05	1.07	1.08	1.14	1.21	1.88	4.45	9.45	11.08	11.89
1969	1.47	1.55	1.73	1.95	2.23	4.03	6.45	8.27	8.97	12.43
1970	0.39	0.46	0.71	1.42	2.11	7.05	7.06	9.71	11.22	15.12
1971	0.39	0.42	0.61	1.04	1.19	1.26	1.80	2.83	4.81	10.24
1972	1.19	1.23	1.30	1.43	2.18	4.08	10.45	10.91	16.01	24.22
1973	0.89	1.12	1.21	1.38	1.43	5.16	6.85	10.71	12.17	18.71
1974	0.93	1.00	1.26	1.30	1.42	2.20	2.20	3.37	4.18	7.23
1975	0.98	1.01	1.11	1.79	2.50	3.03	3.84	7.15	9.57	15.72
1976	1.94	1.97	2.18	2.64	3.63	4.41	6.02	10.05	12.49	16.89
1977	0.35	0.37	0.40	0.58	1.26	1.65	1.72	2.55	3.79	11.69
1978	0.60	0.64	0.78	1.52	2.28	3.97	5.16	10.72	13.78	16.00
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	0.83	0.83	1.03	1.21	1.66	2.84	4.25	6.93	10.03	18.25
I.D. PADRAO	0.44	0.49	0.46	0.60	0.76	1.64	2.81	3.83	4.64	19.12
COEF. VAR.	0.28	0.35	0.20	0.25	0.21	0.33	0.43	0.30	0.21	1.10

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	170.40	171.47	179.54	211.54	281.63	375.59	485.74	766.72	1021.57	1762.08
1941	108.00	109.30	120.17	133.14	148.88	159.77	179.36	529.11	898.90	1361.33
1942	40.02	40.56	41.64	41.69	44.11	49.62	54.43	63.77	310.07	501.26
1943	38.40	40.56	44.73	47.53	52.51	55.12	61.56	103.21	130.08	295.86
1944	18.30	18.30	19.52	21.27	23.20	24.83	25.42	30.85	279.75	357.92
1945	45.69	45.96	46.52	51.37	72.22	86.18	106.40	227.47	246.81	360.14
1946	75.00	77.45	78.60	82.34	88.20	104.85	140.92	405.22	501.59	594.55
1947	79.20	80.95	83.58	98.43	104.99	196.63	240.79	260.34	395.16	544.96
1948	46.50	46.50	50.93	58.40	82.40	98.67	103.62	158.75	298.45	422.48
1949	24.40	25.94	26.19	30.22	39.33	48.44	61.75	92.87	303.64	444.76
1950	61.08	63.37	67.87	78.74	88.99	92.56	107.54	126.66	260.31	433.11
1951	22.57	22.77	23.18	27.02	38.49	51.58	57.23	88.53	247.40	326.71
1952	38.40	38.40	40.37	46.78	58.24	69.28	78.03	90.97	199.61	421.64
1953	73.00	77.83	85.54	104.28	134.46	223.03	328.12	478.39	949.61	937.50
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
1962										
1963										
1964	55.44	57.87	63.15	69.98	85.19	87.66	94.67	125.97	214.98	332.70
1965	115.60	150.50	156.43	168.28	181.05	368.37	764.52	886.68	992.12	1174.36
1966	104.80	118.53	122.44	126.36	136.44	163.36	222.49	284.82	672.88	1132.42
1967	44.21	51.70	61.41	66.39	72.92	89.81	95.95	121.77	295.89	683.61
1968	55.44	62.20	88.63	92.17	106.09	162.12	269.62	373.25	415.35	457.54
1969	43.52	51.74	58.93	73.24	105.49	117.04	145.39	180.46	270.49	420.13
1970	77.04	80.45	83.97	93.63	111.14	250.04	281.49	394.60	423.37	606.18
1971	83.20	89.85	101.33	116.01	121.65	132.41	155.51	209.89	280.38	588.21
1972	146.10	186.47	196.80	202.93	251.29	338.43	649.67	781.26	933.57	1568.28
1973	157.00	164.93	169.80	172.21	183.23	262.69	334.04	362.38	465.43	897.56
1974										
1975	112.00	126.00	157.43	265.31	287.89	340.98	356.69	458.07	521.77	804.23
1976	174.00	182.00	221.16	252.69	309.15	389.37	458.39	532.80	646.82	818.62
1977										
1978	104.00	119.33	137.43	161.27	164.30	190.65	208.89	335.10	401.65	458.48
1979	97.10	124.33	145.71	164.94	189.37	237.91	279.97	399.53	802.75	892.09
1980	102.00	150.67	183.03	202.64	219.11	231.54	255.28	373.23	492.40	553.30
1981	76.50	82.83	92.07	92.23	102.39	139.60	168.52	238.55	360.15	479.57
1982	110.00	152.33	216.57	261.07	330.03	384.29	501.88	1087.71	1403.48	1661.76
1983										
1984										
MEDIA	80.61	90.68	102.09	116.58	135.95	178.14	234.64	340.93	504.40	719.14
D. PADRAO	42.85	50.62	59.59	71.81	84.85	113.61	181.56	259.17	309.69	413.32
COEF. VAR.	0.28	0.31	0.34	0.38	0.39	0.41	0.60	0.58	0.38	0.33

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947	0.89	0.89	1.00	1.17	1.68	2.10	2.82	3.35	4.08	4.08
1948	0.21	0.23	0.25	0.27	0.31	0.49	0.46	0.73	1.06	1.56
1949	0.21	0.24	0.27	0.29	0.32	0.37	0.41	0.72	1.18	1.87
1950	0.43	0.43	0.58	0.64	0.78	1.05	1.32	1.93	2.25	2.11
1951	0.17	0.17	0.17	0.18	0.23	0.27	0.60	0.78	1.33	1.47
1952	0.54	0.58	0.63	0.80	0.97	1.41	1.59	2.02	2.15	2.36
1953	0.43	0.43	0.48	0.87	1.20	1.43	2.07	3.09	3.66	4.04
1954	0.17	0.17	0.17	0.17	0.24	0.31	0.37	0.77	1.72	3.16
1955	0.43	0.54	0.63	0.71	0.77	1.26	1.79	2.39	2.68	3.02
1956	0.26	0.29	0.29	0.34	0.39	0.58	1.27	1.80	2.46	2.81
1957	0.66	0.66	0.74	0.96	1.15	1.56	1.80	1.89	2.40	3.34
1958	0.77	0.85	0.90	1.09	1.42	1.99	2.11	2.78	3.67	3.72
1959	0.17	0.18	0.21	0.25	0.35	0.39	0.45	1.44	1.62	2.56
1960	0.39	0.39	0.41	0.49	0.74	0.82	0.95	1.73	2.09	2.73
1961	0.21	0.23	0.25	0.27	0.30	0.46	0.55	0.67	1.82	2.79
1962	0.17	0.17	0.21	0.23	0.34	0.36	0.46	1.22	2.11	2.05
1963	0.26	0.26	0.28	0.33	0.47	0.71	0.80	0.88	2.44	2.50
1964	0.34	0.36	0.42	0.55	0.60	0.79	0.88	1.02	1.20	1.85
1965	0.34	0.36	0.38	0.40	0.48	0.88	1.27	2.12	2.41	3.51
1966	0.34	0.36	0.39	0.49	0.70	1.03	1.20	2.87	3.17	3.71
1967	0.26	0.26	0.28	0.34	0.35	0.43	0.46	0.70	1.05	2.27
1968	0.34	0.34	0.34	0.36	0.43	0.72	1.82	2.15	2.50	2.80
1969	0.34	0.34	0.35	0.40	0.61	0.76	1.36	1.62	1.75	2.07
1970	0.43	0.50	0.57	0.64	0.70	0.88	1.20	2.07	2.60	2.96
1971	0.39	0.42	0.46	0.58	0.63	0.77	1.08	1.89	2.38	2.94
1972	0.77	0.77	0.87	1.08	1.42	1.88	2.51	2.81	3.43	4.58
1973	0.43	0.43	0.43	0.55	0.61	0.76	0.85	2.34	3.51	4.18
1974	0.34	0.34	0.36	0.39	0.57	0.69	0.79	1.37	1.59	1.66
1975	0.89	0.89	0.89	0.98	1.25	2.82	2.93	3.42	4.17	4.65
1976	0.89	0.89	0.94	1.07	1.32	1.62	1.90	2.61	2.61	3.70
1977	0.39	0.39	0.41	0.43	0.47	0.59	0.68	1.92	2.48	3.29
1978	0.34	0.34	0.36	0.41	0.53	0.64	0.79	1.51	2.06	2.37
1979	0.77	0.81	0.90	0.96	1.13	1.72	1.69	2.34	3.28	3.03
1980	0.66	0.66	0.72	0.91	1.03	1.86	2.21	3.26	3.69	4.36
1981	0.21	0.21	0.21	0.23	0.25	0.27	0.35	0.58	1.31	2.10
1982	1.23	1.31	1.46	2.04	2.45	2.83	2.98	4.11	4.28	4.51
1983	0.66	0.66	0.69	0.83	1.11	1.56	2.22	3.07	3.47	5.45
1984	0.54	0.54	0.56	0.60	0.78	1.01	1.31	2.50	3.01	3.39
MEDIA	0.45	0.47	0.51	0.61	0.77	1.05	1.32	1.96	2.49	3.04
D. PADRAO	0.25	0.26	0.29	0.38	0.48	0.67	0.77	0.92	0.92	0.98
COEF. VAR.	0.31	0.31	0.32	0.38	0.39	0.41	0.33	0.22	0.14	0.10

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942	3.01	3.01	3.04	3.14	3.56	4.90	6.14	7.47	12.06	16.65
1943	4.41	4.58	5.40	5.92	6.88	8.78	12.58	24.55	23.78	30.61
1944	2.36	2.36	2.42	2.70	3.38	4.64	6.78	8.06	11.57	16.27
1945	4.58	4.58	4.68	5.30	5.81	7.06	8.93	20.79	29.01	31.71
1946	5.16	5.49	6.07	6.57	8.67	11.63	21.02	28.82	31.20	32.55
1947	9.30	9.95	11.49	14.21	17.14	18.64	27.19	38.28	43.93	47.88
1948	2.10	2.13	2.15	2.38	3.39	5.65	6.57	10.74	16.01	26.89
1949	3.12	3.19	3.53	4.85	5.88	6.35	7.08	13.24	15.86	26.07
1950	4.58	5.00	5.30	5.61	7.47	11.25	18.02	30.14	36.67	32.99
1951	2.14	2.14	2.19	2.32	2.67	3.30	7.56	12.50	18.68	19.67
1952	5.41	5.65	6.56	8.17	8.28	14.55	15.56	19.10	22.12	24.24
1953	8.00	8.43	8.88	10.58	15.69	19.11	31.27	47.65	52.18	56.58
1954	2.79	2.83	2.98	3.19	4.66	5.70	6.22	17.74	34.04	55.44
1955										
1956	3.57	3.91	4.27	5.57	6.78	8.06	18.66	24.44	31.42	37.18
1957	7.35	8.65	10.02	10.17	13.03	21.17	28.00	32.15	41.00	58.27
1958	7.68	8.33	9.25	10.90	16.20	19.90	21.83	32.80	48.21	49.59
1959	4.07	4.07	4.19	4.26	5.07	6.31	8.39	15.36	19.08	29.48
1960	7.68	8.11	9.49	10.42	12.53	16.11	18.70	30.06	33.92	40.03
1961	3.23	3.46	3.50	3.90	4.36	6.25	6.95	10.35	30.00	45.28
1962										
1963	3.57	4.47	4.53	5.04	6.18	7.90	8.58	12.05	35.50	35.65
1964	2.68	2.75	2.93	3.22	4.27	5.94	6.23	10.18	13.70	22.39
1965										
1966	4.92	5.08	5.72	7.14	9.38	12.21	14.87	38.82	43.21	55.87
1967	2.79	2.94	3.20	4.06	4.18	6.13	6.36	9.09	12.79	34.98
1968	4.07	4.13	4.24	4.42	5.26	8.68	21.20	33.47	34.35	37.24
1969	4.24	4.41	4.88	7.22	9.33	11.65	14.25	25.03	28.82	32.60
1970	4.92	5.57	7.45	8.79	9.14	13.94	21.63	30.03	42.50	46.49
1971	2.58	2.65	2.95	3.65	4.10	4.93	8.54	18.66	25.33	35.96
1972	9.30	9.41	10.33	15.48	16.40	25.68	34.37	36.64	46.06	65.77
1973	5.65	5.97	6.67	7.93	9.86	14.40	14.17	38.27	45.40	59.24
1974	2.93	3.30	3.90	4.38	7.63	10.02	11.88	13.92	15.77	17.55
1975	4.71	5.11	5.55	6.35	9.09	26.13	24.60	35.14	45.08	51.96
1976	4.95	5.11	5.57	7.80	8.89	14.52	25.30	32.50	31.10	43.14
1977	2.00	2.00	2.05	2.49	2.72	3.99	4.76	18.18	25.60	37.63
1978	2.08	2.17	2.61	3.01	4.25	6.38	11.42	19.20	23.30	25.85
1979	4.71	4.95	5.30	5.85	8.06	14.09	14.23	20.89	34.08	32.31
1980	5.92	6.59	7.69	10.31	12.39	23.09	23.76	42.18	52.02	51.37
1981	4.95	5.60	5.70	7.35	8.08	9.13	10.76	13.57	30.31	39.70
1982										
1983										
1984										
MEDIA	4.53	4.81	5.32	6.34	7.86	11.30	14.98	23.57	30.69	37.92
ID. PADRAO	2.00	2.17	2.54	3.27	4.04	6.33	8.13	11.03	11.86	13.12
COEF. VAR.	0.19	0.20	0.23	0.27	0.26	0.31	0.29	0.22	0.15	0.12

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947	0.92	0.92	1.06	1.75	1.88	3.65	3.70	5.06	5.64	6.52
1948	0.15	0.15	0.15	0.20	0.33	0.49	0.57	1.08	1.85	3.24
1949	0.25	0.25	0.36	0.51	0.66	0.92	0.88	1.17	1.90	3.64
1950	0.52	0.58	0.72	0.98	1.30	2.05	2.10	3.47	4.10	3.86
1951	0.38	0.45	0.53	0.61	0.76	0.89	0.94	1.43	3.03	3.02
1952	0.38	0.38	0.41	0.50	0.71	1.03	1.36	2.95	3.70	4.07
1953	0.65	0.70	0.79	1.02	1.14	1.49	2.96	5.29	6.57	7.13
1954	0.13	0.13	0.14	0.15	0.41	0.43	0.55	1.60	3.78	6.94
1955	0.65	0.72	0.76	0.83	1.07	1.75	2.81	4.58	5.21	6.08
1956	0.38	0.43	0.48	0.78	0.88	1.08	2.24	3.21	4.67	5.26
1957	0.72	0.74	0.82	1.03	1.26	1.74	2.18	3.61	4.89	6.38
1958	0.38	0.92	1.12	1.67	2.35	2.88	3.19	4.54	5.71	6.39
1959	0.25	0.32	0.41	0.49	0.70	0.96	0.94	2.88	3.15	5.01
1960	0.52	0.56	0.61	0.77	0.97	1.32	1.82	2.58	3.60	4.75
1961	0.25	0.25	0.25	0.29	0.39	0.53	0.65	0.81	3.29	5.21
1962	0.25	0.27	0.32	0.37	0.67	0.70	0.83	2.30	3.50	3.49
1963	0.25	0.25	0.29	0.42	0.48	0.64	0.73	0.91	4.59	5.07
1964	0.20	0.22	0.23	0.32	0.33	0.51	0.70	0.94	1.26	2.51
1965	0.58	0.65	0.71	0.76	0.87	1.87	2.75	5.33	5.57	7.44
1966	0.52	0.52	0.54	0.62	0.79	1.17	1.67	4.63	5.56	6.98
1967	0.15	0.15	0.17	0.19	0.22	0.38	0.59	0.77	1.61	4.30
1968	0.25	0.25	0.29	0.36	0.50	0.98	2.03	3.39	3.58	4.09
1969	0.25	0.25	0.36	0.54	0.79	1.05	1.91	2.55	2.98	3.81
1970	0.65	0.70	0.77	0.88	1.15	1.41	1.95	4.03	5.32	5.86
1971	0.24	0.24	0.27	0.36	0.97	1.29	1.67	2.51	3.77	4.91
1972	0.60	0.60	0.77	1.25	1.56	3.18	4.40	4.85	5.78	7.77
1973	0.60	0.63	0.76	0.98	1.22	2.35	2.45	4.64	5.80	7.38
1974										
1975	0.60	0.60	0.70	1.13	1.60	2.77	3.57	5.03	6.45	7.77
1976	0.70	0.80	0.90	1.09	1.28	2.65	3.26	4.71	4.92	6.89
1977	0.12	0.12	0.20	0.24	0.31	0.47	0.66	1.94	2.80	4.53
1978	0.12	0.12	0.15	0.24	0.36	0.48	0.90	2.40	3.30	3.89
1979	0.60	0.67	0.76	0.86	1.13	2.21	2.18	3.05	4.89	4.50
1980	0.60	0.67	0.83	1.03	1.20	1.89	2.02	4.44	5.40	6.54
1981	0.24	0.24	0.24	0.27	0.33	0.42	0.56	1.33	2.53	3.74
1982										
1983	1.21	1.28	1.36	1.71	2.51	4.62	5.40	6.56	7.19	11.53
1984	0.48	0.48	0.51	0.54	0.67	1.49	1.98	4.38	5.34	6.55
MEDIA	0.44	0.48	0.55	0.72	0.94	1.49	1.92	3.19	4.26	5.47
ID. PADRAO	0.25	0.28	0.31	0.43	0.55	1.02	1.19	1.58	1.49	1.82
COEF. VAR.	0.32	0.33	0.31	0.37	0.34	0.47	0.39	0.25	0.12	0.11

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942	0.21	0.21	0.22	0.23	0.24	0.28	0.30	0.45	2.22	3.20
1943	0.30	0.31	0.36	0.39	0.48	0.56	0.85	1.35	1.41	3.87
1944	0.14	0.14	0.15	0.17	0.19	0.22	0.25	0.29	1.03	2.37
1945	0.39	0.40	0.49	0.50	0.70	0.79	0.86	5.73	6.17	7.24
1946										
1947	0.70	0.70	0.73	0.83	0.95	1.60	1.53	2.38	5.38	7.32
1948	0.26	0.27	0.28	0.29	0.48	0.63	0.72	2.29	3.16	6.46
1949	0.19	0.19	0.20	0.25	0.28	0.32	0.34	0.44	1.59	5.41
1950	0.48	0.48	0.52	0.68	1.24	1.66	1.98	4.22	4.56	4.74
1951	0.28	0.28	0.29	0.29	0.33	0.48	0.49	1.04	4.31	4.30
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
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1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	0.33	0.33	0.36	0.40	0.54	0.73	0.81	2.02	3.32	4.99
I.D. PADRAO	0.17	0.17	0.19	0.23	0.36	0.54	0.59	1.88	1.87	1.76
ICDEF. VAR.	0.28	0.27	0.27	0.31	0.43	0.56	0.53	0.86	0.32	0.12

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957	5.94	6.25	8.11	11.67	13.47	15.60	20.80	31.34	48.33	76.33
1958	14.00	14.80	16.40	20.13	28.48	34.19	39.08	65.42	81.68	90.38
1959	3.15	3.15	3.62	4.39	5.63	7.12	7.95	9.17	26.94	47.61
1960	9.66	10.07	12.23	14.68	16.18	22.24	29.05	49.26	57.04	71.22
1961	2.61	2.73	2.79	3.29	3.56	4.90	5.12	10.47	34.99	62.88
1962	2.06	2.30	2.41	2.77	4.16	7.12	11.28	22.75	30.57	31.95
1963	2.06	2.18	2.32	2.64	3.21	5.02	6.49	12.41	53.18	66.57
1964	2.97	3.25	3.84	4.94	5.20	6.72	6.39	11.60	17.32	31.17
1965	5.48	5.79	6.14	6.68	7.74	12.69	21.29	68.42	72.88	110.81
1966	7.80	8.63	8.69	9.45	11.89	14.37	18.25	33.29	57.80	88.29
1967	2.43	2.43	2.51	3.08	3.98	5.90	7.23	8.67	20.32	63.17
1968	4.08	4.39	4.48	5.20	6.44	11.83	18.12	24.26	30.45	32.27
1969	2.06	2.12	2.30	2.90	6.80	7.57	10.01	18.06	30.53	39.35
1970	7.80	8.42	9.39	11.54	14.38	36.52	37.61	69.57	69.11	80.27
1971	2.61	2.85	2.94	4.96	5.61	6.56	8.89	22.80	31.23	61.56
1972	17.20	17.20	18.34	20.13	22.72	36.02	40.24	59.01	74.94	107.54
1973	13.38	13.79	15.51	17.80	21.03	26.42	34.24	40.33	61.21	89.76
1974	5.94	6.25	6.74	8.75	9.04	11.35	14.06	18.04	21.92	27.08
1975	9.66	10.07	10.55	11.64	13.84	19.43	25.75	39.75	49.23	70.73
1976	12.14	12.35	13.14	15.68	17.80	22.40	41.63	57.37	62.20	75.23
1977	2.43	2.43	2.53	2.66	3.27	3.48	4.01	11.01	17.15	51.79
1978	2.97	3.09	3.42	4.02	4.97	7.79	7.51	16.28	28.71	37.81
1979	4.55	4.86	5.28	6.78	8.29	13.07	14.45	22.52	61.95	63.80
1980	6.41	6.41	6.67	7.08	8.00	12.62	14.43	42.07	65.20	78.73
1981	1.34	1.58	1.83	2.01	2.47	3.03	3.96	8.82	22.15	29.08
1982										
1983										
1984										
MEDIA	6.03	6.30	6.89	8.20	9.93	14.16	17.91	30.91	45.08	63.42
ID. PADRAO	4.40	4.50	4.95	5.73	6.94	10.17	12.47	20.41	20.39	24.41
COEF. VAR.	0.53	0.51	0.52	0.49	0.49	0.52	0.48	0.44	0.20	0.15

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959	1.75	1.92	2.01	2.15	2.82	3.13	5.09	6.61	8.18	9.87
1960										
1961	0.74	0.76	0.78	0.81	0.85	1.07	1.22	1.76	5.55	8.96
1962	0.52	0.53	0.56	0.60	0.70	0.92	1.24	2.48	3.21	3.39
1963	0.61	0.62	0.67	0.72	0.80	1.07	1.32	2.56	6.85	8.01
1964	0.61	0.64	0.69	0.72	0.73	0.80	0.97	1.34	1.97	3.83
1965	0.79	0.88	0.88	0.93	1.29	2.42	3.01	9.61	9.26	12.71
1966	1.49	1.49	1.49	1.49	1.66	2.40	2.92	4.05	8.08	11.32
1967	0.79	0.81	0.84	0.90	1.06	1.27	1.51	2.14	3.51	8.33
1968	0.97	0.97	0.97	1.07	1.36	2.28	2.83	4.10	5.11	5.44
1969	1.23	1.23	1.23	1.42	2.34	2.53	2.66	3.71	4.88	5.64
1970	2.01	2.18	2.31	2.62	2.77	5.20	5.45	9.03	9.42	10.56
1971	0.74	0.79	0.82	0.86	1.02	1.32	1.81	4.31	5.14	8.87
1972	2.05	2.05	2.11	2.44	2.50	3.56	3.92	7.08	9.69	13.60
1973	1.61	1.70	2.01	2.24	2.67	3.85	4.87	5.60	7.83	10.99
1974	0.97	1.02	1.25	1.47	2.16	2.77	3.29	3.68	4.02	4.41
1975	1.23	1.23	1.68	1.72	1.77	2.65	3.20	6.05	7.08	9.64
1976	1.23	1.58	1.75	1.99	2.19	2.76	5.31	7.37	8.01	9.55
1977	0.50	0.55	0.62	0.65	0.77	0.92	1.02	2.37	2.83	6.57
1978	0.79	0.81	0.83	0.88	0.90	1.12	1.27	2.11	3.81	5.46
1979	0.77	0.80	0.87	1.23	1.67	2.68	2.50	3.61	9.79	9.66
1980	0.93	0.94	0.96	1.16	1.52	1.94	2.12	6.28	8.93	10.51
1981	0.61	0.61	0.61	0.63	0.69	0.76	0.83	1.46	3.58	4.66
1982										
1983										
1984										
MEDIA	1.04	1.10	1.18	1.30	1.56	2.16	2.65	4.42	6.21	8.27
D.PADRAO	0.47	0.51	0.56	0.63	0.74	1.16	1.50	2.45	2.53	2.94
COEF.VAR.	0.20	0.21	0.22	0.23	0.23	0.29	0.32	0.31	0.17	0.13

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957	1.55	1.77	1.97	2.16	2.56	5.10	7.25	12.28	17.94	27.80
1958	2.86	4.08	4.50	4.99	6.18	15.43	17.33	25.98	33.06	38.17
1959	1.55	1.55	1.61	1.99	2.35	3.29	3.63	4.18	11.75	21.83
1960	3.51	3.79	4.31	5.37	5.71	8.08	15.22	18.72	23.42	30.66
1961	1.55	1.55	1.61	2.02	2.11	2.35	3.19	5.93	14.82	26.56
1962	1.34	1.35	1.37	1.47	1.95	2.89	4.41	8.36	11.29	12.14
1963	1.66	1.92	2.01	2.32	2.70	3.36	3.60	6.95	25.46	30.88
1964	1.88	1.95	2.05	2.22	2.26	2.38	2.74	4.85	7.47	14.40
1965	2.43	2.47	2.52	2.59	2.87	4.27	6.44	34.21	34.97	51.21
1966	1.99	2.10	2.32	2.36	2.91	5.40	7.69	8.18	22.75	39.93
1967	1.47	1.51	1.69	2.01	2.60	3.76	4.64	6.74	12.30	30.68
1968	1.88	2.17	2.41	2.53	2.99	5.30	6.09	15.34	19.17	19.60
1969	1.55	1.55	1.64	2.07	4.20	4.46	6.09	9.39	15.81	18.67
1970	2.65	2.65	2.86	3.24	5.69	14.39	14.39	28.88	29.56	34.71
1971	1.77	1.84	2.05	2.25	2.93	3.33	4.00	9.10	15.59	32.75
1972	2.65	3.08	3.57	4.05	4.52	9.06	12.18	25.14	36.81	54.10
1973	3.72	4.01	5.96	7.46	8.29	17.23	20.53	20.80	30.99	43.79
1974	2.86	3.29	3.48	3.97	6.11	8.45	11.55	15.67	16.72	17.73
1975	2.65	2.93	3.29	3.64	3.88	6.43	8.57	20.49	25.22	35.83
1976	1.88	1.99	2.12	2.26	2.55	4.44	13.68	21.22	24.58	30.68
1977	2.10	2.10	2.15	2.31	2.41	2.46	2.78	6.41	10.24	24.06
1978	1.55	1.59	1.68	2.11	2.21	2.68	3.51	7.81	15.89	20.56
1979	1.77	1.88	2.26	3.43	5.13	5.97	6.02	12.66	39.71	39.58
1980	2.43	2.47	2.56	2.81	3.59	6.50	6.63	24.31	35.72	40.00
1981	1.55	1.55	1.55	1.55	1.63	1.97	2.14	4.77	13.21	16.87
1982										
1983										
1984										
MEDIA	2.11	2.29	2.54	2.93	3.61	5.96	7.77	14.34	21.78	30.13
D. PADRAO	0.65	0.81	1.10	1.37	1.69	4.17	5.11	8.69	9.45	11.13
COEF. VAR.	0.10	0.13	0.19	0.22	0.22	0.49	0.43	0.37	0.19	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	5.05	5.05	5.44	6.76	10.01	11.80	14.79	26.22	39.87	70.60
1941	4.28	4.45	5.11	6.02	6.67	11.06	12.85	26.55	38.45	51.23
1942	0.91	0.94	0.97	1.02	1.22	1.65	1.94	2.83	13.74	21.62
1943	1.67	1.95	2.33	2.44	2.60	3.71	6.39	16.86	15.14	27.11
1944	0.44	0.47	0.54	0.70	0.91	1.07	1.39	1.65	7.22	9.32
1945	1.84	1.95	2.15	2.40	3.17	4.61	8.33	29.37	32.63	36.91
1946	1.67	1.78	2.08	2.37	2.48	3.17	6.53	17.93	20.37	24.46
1947	2.34	2.67	3.04	3.97	4.88	9.32	13.66	20.59	24.51	33.94
1948	1.00	1.03	1.10	1.21	2.85	6.95	8.53	13.10	17.49	28.15
1949	0.48	0.57	0.91	1.07	1.62	1.84	1.96	3.39	11.98	24.27
1950	1.67	1.78	2.31	3.52	5.39	7.21	8.15	23.77	32.65	36.74
1951	0.33	0.38	0.39	0.41	0.43	0.83	1.04	2.80	18.09	17.86
1952	2.67	2.87	3.53	6.00	8.59	9.56	12.42	14.52	21.52	27.12
1953	2.00	2.17	3.16	4.33	6.19	11.36	25.04	27.85	47.53	56.18
1954	1.17	1.23	1.55	1.88	3.16	10.54	13.50	20.41	47.83	64.24
1955	0.65	0.71	0.80	1.04	2.06	2.31	6.35	18.22	29.00	36.16
1956	1.67	1.84	2.24	3.06	4.82	5.17	9.80	13.08	16.14	25.14
1957	1.17	1.23	1.35	1.99	2.62	5.31	11.01	17.56	23.94	40.12
1958	4.54	4.88	5.22	6.94	10.18	20.74	23.10	36.73	47.84	55.14
1959	1.00	1.17	1.31	1.87	3.06	3.96	5.36	5.99	15.48	28.37
1960	3.26	3.77	4.54	6.11	6.36	9.98	19.87	27.60	32.61	42.31
1961	1.67	1.84	2.15	2.64	2.84	3.25	4.28	8.45	20.45	39.73
1962	1.08	1.14	1.20	1.42	2.43	4.59	6.03	12.22	15.41	17.01
1963	2.00	2.28	2.53	3.55	4.07	5.59	5.72	11.44	36.85	44.09
1964	2.67	2.67	2.79	3.16	3.27	3.60	4.39	7.22	10.86	21.53
1965	3.26	3.34	3.48	3.80	4.40	6.25	8.96	42.18	45.48	66.19
1966	4.02	4.11	4.21	4.31	5.02	8.86	11.94	15.11	34.76	56.06
1967	2.34	2.45	2.71	3.51	4.52	6.17	7.67	11.22	19.19	44.58
1968	4.02	4.11	4.43	4.76	5.43	9.60	11.03	22.37	27.95	28.81
1969	2.34	2.50	2.69	3.47	6.18	8.89	9.96	13.96	20.54	25.33
1970	4.02	4.28	4.46	5.32	7.56	19.75	20.34	42.63	43.95	51.07
1971	2.34	2.56	2.90	3.87	4.73	4.94	5.77	13.04	21.47	45.31
1972	3.26	3.85	4.81	5.56	6.69	14.00	18.01	33.41	50.10	74.92
1973	3.51	4.19	4.89	9.84	12.15	24.86	25.43	27.47	42.16	60.91
1974	3.26	4.93	5.72	7.32	9.23	12.23	17.11	21.67	22.92	25.02
1975	4.79	5.22	5.41	5.85	6.53	10.85	13.52	27.56	34.49	47.67
1976	4.28	4.62	4.83	5.37	6.06	8.16	19.93	29.55	36.39	45.02
1977	1.25	1.42	1.52	1.91	2.41	2.74	3.86	9.97	16.96	35.19
1978	1.25	1.30	1.49	2.46	2.84	3.75	4.53	10.86	22.58	29.97
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	2.34	2.56	2.88	3.67	4.76	7.70	10.53	18.65	27.60	38.86
D.PADRAO	1.34	1.46	1.59	2.15	2.73	5.42	6.62	10.59	12.05	15.96
COEF. VAR.	0.33	0.33	0.31	0.34	0.33	0.49	0.40	0.32	0.19	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941	49.72	50.60	55.74	62.37	69.94	95.15	91.51	175.52	290.20	391.28
1942	12.34	12.34	12.73	13.13	14.72	17.09	22.53	27.63	104.84	148.62
1943	17.70	18.43	19.43	20.05	21.46	30.03	50.36	93.73	94.43	185.87
1944	9.76	9.94	10.11	10.44	11.75	13.54	15.85	17.42	51.21	82.85
1945	23.20	23.20	26.10	30.73	34.18	47.02	50.57	199.35	232.49	258.91
1946	23.20	24.50	26.10	27.56	29.79	38.94	68.05	161.41	168.30	199.03
1947	40.72	43.20	50.71	61.71	86.43	114.55	131.51	160.03	208.94	263.31
1948	11.66	11.66	12.10	14.12	20.89	37.21	33.41	80.98	101.80	210.15
1949	11.66	13.02	14.16	14.50	17.69	20.86	24.90	31.32	82.51	181.68
1950	40.72	41.44	43.15	54.94	71.80	80.46	98.18	217.64	265.15	269.52
1951	13.70	13.83	13.99	14.45	15.65	20.65	24.76	48.74	149.23	151.16
1952	27.88	27.88	29.41	42.34	52.38	72.00	77.61	94.45	140.00	199.69
1953	49.72	53.80	67.21	94.43	115.29	134.57	200.60	243.70	392.79	455.59
1954	33.16	33.52	34.39	40.02	59.11	84.00	92.14	169.65	359.62	528.92
1955	52.36	54.12	56.55	61.25	71.95	90.95	156.06	268.46	338.06	391.52
1956	44.74	45.55	47.51	52.85	62.40	89.51	125.92	133.84	169.60	248.00
1957	58.70	61.38	65.46	75.57	85.26	117.10	139.68	158.61	220.90	358.01
1958	99.00	102.33	111.96	119.53	145.43	213.58	230.72	329.73	403.88	456.58
1959	52.00	52.89	54.49	57.45	71.62	82.94	98.38	108.98	168.83	275.86
1960	54.68	56.02	59.85	66.26	89.41	125.60	146.58	230.46	284.02	370.25
1961	13.06	13.41	13.90	16.35	18.71	35.42	37.11	59.95	210.36	356.63
1962	8.90	9.42	10.31	11.83	20.15	33.23	47.05	107.68	165.86	171.30
1963	29.70	31.74	38.82	44.51	49.38	63.11	63.06	91.27	313.15	363.52
1964	44.74	45.95	50.59	55.81	60.63	67.14	69.86	84.16	105.35	197.57
1965	44.74	46.76	48.54	52.17	57.51	76.02	121.00	342.62	385.43	575.41
1966	29.70	31.74	34.51	40.21	51.94	80.36	96.18	207.44	350.03	507.29
1967	11.50	11.85	12.89	16.94	21.61	33.23	37.89	62.11	115.81	344.10
1968	23.68	24.25	25.52	27.37	36.06	70.58	146.42	196.22	236.97	238.53
1969	21.10	21.10	21.35	26.70	44.38	57.16	64.85	103.72	156.05	208.20
1970	29.70	31.40	37.58	46.00	53.86	192.65	184.07	306.91	359.56	412.47
1971	54.10	54.10	54.10	54.10	55.30	60.59	75.46	138.08	179.34	337.24
1972	63.82	64.54	70.06	84.55	93.03	154.05	192.70	293.02	395.47	622.05
1973	57.34	58.06	66.52	67.68	78.21	144.72	139.02	222.19	307.17	470.61
1974	39.12	42.55	45.44	49.98	59.87	71.71	100.57	132.36	145.84	166.42
1975	56.26	56.26	57.68	61.56	79.14	140.69	140.48	215.27	290.15	399.77
1976	57.34	58.06	59.19	66.43	84.24	144.47	251.86	283.94	315.56	438.55
1977	19.17	19.50	20.01	21.51	24.93	26.59	32.62	79.15	123.20	306.33
1978	16.90	17.60	18.78	23.94	24.89	35.90	36.83	91.68	167.63	226.17
1979	31.54	33.43	36.45	44.41	59.65	81.55	103.51	131.86	365.43	357.91
1980	35.80	37.74	41.42	43.72	54.61	74.34	77.99	240.46	390.89	461.31
1981	14.50	14.63	15.36	17.29	18.11	18.97	23.19	43.25	125.47	202.81
1982										
1983										
1984										
MEDIA	34.86	35.94	38.78	44.07	53.50	77.76	95.64	155.73	230.04	316.85
D. PADRAO	19.71	20.23	22.13	24.97	30.24	48.72	60.11	88.01	105.92	129.88
COEF. VAR.	0.32	0.32	0.33	0.32	0.32	0.39	0.40	0.32	0.21	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	11.56	11.82	13.03	18.06	24.59	30.20	39.92	58.74	76.06	136.25
1941	5.52	5.52	5.62	6.48	9.96	10.61	14.49	40.32	64.86	91.43
1942	10.78	11.17	11.23	11.35	11.96	13.44	13.86	15.68	33.59	44.99
1943										
1944	7.83	7.93	8.41	9.23	9.78	12.44	13.78	15.27	23.15	27.18
1945										
1946	7.12	7.33	7.58	9.01	9.62	11.36	14.76	31.58	36.59	42.15
1947	7.44	7.65	7.85	9.70	10.26	15.49	25.41	30.16	35.79	45.69
1948	3.92	3.92	4.10	4.39	6.73	11.28	11.01	17.34	23.93	36.07
1949	3.92	3.99	4.07	4.43	4.72	5.38	5.61	6.81	15.64	31.19
1950	7.70	7.89	8.22	8.64	10.93	12.34	13.05	33.12	45.78	49.66
1951	4.30	4.40	4.46	4.62	4.70	5.26	5.49	8.02	23.26	24.05
1952	6.84	7.13	7.83	10.00	13.94	18.95	22.78	26.90	33.34	42.29
1953	7.70	7.70	8.54	10.35	14.29	22.65	38.57	48.76	77.84	87.65
1954	11.80	12.20	13.06	14.84	16.13	24.54	29.43	37.37	61.46	86.18
1955										
1956										
1957	4.86	4.92	5.01	5.98	7.55	15.21	19.92	24.69	33.87	48.82
1958	6.56	7.10	8.10	9.58	12.89	24.89	31.85	46.75	61.26	71.30
1959	5.40	5.40	5.56	6.10	6.90	9.53	12.21	14.22	25.79	45.37
1960	7.26	7.92	8.50	8.87	9.19	14.34	24.00	32.89	42.74	59.10
1961	11.61	12.43	13.37	17.33	20.60	24.78	25.84	30.37	45.45	61.93
1962	4.77	4.89	5.08	5.21	5.61	8.94	13.46	28.35	31.96	37.19
1963	4.68	4.80	4.98	6.13	7.44	9.96	10.15	16.34	50.02	66.55
1964	5.40	5.71	6.13	7.98	11.58	13.34	16.85	19.14	22.11	33.85
1965	5.40	5.63	5.73	6.08	6.63	8.35	13.06	54.17	65.14	91.08
1966	5.22	5.34	5.51	5.76	6.14	9.04	14.41	19.32	48.87	80.60
1967	5.86	5.94	6.06	6.30	7.14	8.67	10.61	16.66	28.35	63.64
1968	5.04	5.04	5.12	5.27	6.06	11.68	22.71	35.29	40.30	43.29
1969	4.86	4.89	4.98	5.59	7.45	11.50	15.52	19.91	23.35	34.70
1970	5.86	6.25	6.49	6.95	8.23	29.59	31.46	51.72	58.52	67.45
1971	5.63	5.86	6.29	6.61	8.29	9.12	10.02	15.24	25.49	59.16
1972	9.26	9.94	10.79	12.36	13.09	26.25	36.55	54.05	75.68	113.05
1973	8.31	8.74	9.58	10.64	13.30	19.54	32.51	37.23	52.79	81.12
1974	7.99	8.42	8.99	9.32	10.77	14.38	19.44	25.14	31.64	33.21
1975	5.59	5.97	7.31	7.80	8.78	13.28	15.41	26.20	39.43	58.47
1976	8.60	9.91	11.28	12.21	13.20	18.16	31.59	32.51	39.67	53.03
1977	3.70	3.80	3.88	3.99	4.38	4.90	5.91	9.62	21.33	50.99
1978	3.80	3.94	4.07	4.16	4.65	6.55	6.38	15.95	31.30	40.34
1979	4.11	4.28	4.54	6.50	9.77	14.08	16.20	25.67	71.29	70.21
1980	4.42	5.07	6.22	7.13	8.13	12.61	14.46	38.26	60.93	71.40
1981	3.80	3.91	4.01	4.14	4.38	4.68	5.11	10.78	28.01	39.75
1982										
1983										
1984										
MEDIA	6.43	6.70	7.15	8.13	9.73	14.14	18.52	28.17	42.28	58.43
ID. PADRAO	2.30	2.45	2.71	3.47	4.38	6.87	9.77	13.90	17.68	24.57
ICDEF. VAR.	0.13	0.13	0.14	0.18	0.20	0.24	0.28	0.24	0.17	0.18

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 1270 DIAS M3/S	DURACAO 1365 DIAS M3/S
1940										
1941										
1942										
1943										
1944	0.26	0.26	0.26	0.36	0.44	0.50	0.55	0.65	2.03	3.44
1945	0.76	0.95	0.96	1.13	1.78	2.01	2.72	11.83	12.39	14.05
1946	0.53	0.53	0.54	0.60	0.78	1.67	2.45	5.84	7.86	8.19
1947	0.63	0.74	0.89	0.92	1.21	1.68	3.30	4.25	5.45	6.44
1948	0.27	0.27	0.34	0.42	0.51	0.64	0.95	1.43	3.14	5.27
1949	0.38	0.39	0.46	0.59	0.83	1.03	1.08	1.44	3.37	6.20
1950	0.74	0.81	0.97	1.14	1.48	1.63	1.80	3.71	5.72	7.03
1951	0.32	0.32	0.32	0.33	0.44	0.54	0.62	1.22	4.03	3.88
1952	0.68	0.70	0.75	0.87	1.27	1.85	2.15	2.50	3.04	4.69
1953	0.43	0.43	0.48	0.59	0.87	2.10	3.39	6.26	13.38	19.10
1954	0.27	0.28	0.29	0.32	0.38	0.55	0.68	1.46	5.70	14.95
1955	0.51	0.53	0.57	0.69	1.16	1.60	2.37	4.10	5.13	11.49
1956										
1957										
1958										
1959	2.15	2.20	2.31	2.65	3.06	3.38	3.62	4.90	7.24	16.90
1960	2.15	2.20	2.39	2.56	2.96	4.68	5.27	8.92	10.86	13.42
1961	0.60	0.60	0.60	0.63	0.77	0.94	1.30	2.91	5.94	9.55
1962	1.26	1.26	1.30	1.34	1.42	1.72	2.16	3.41	5.22	5.62
1963	2.15	2.24	2.35	2.64	3.04	3.19	3.29	3.82	7.27	8.15
1964	1.74	1.88	2.03	2.64	3.48	5.51	6.12	7.33	9.71	10.41
1965	1.13	1.13	1.16	1.21	1.61	3.32	5.15	7.59	8.73	12.01
1966										
1967	0.35	0.40	0.46	0.63	0.70	1.70	1.74	2.53	4.70	11.34
1968	0.47	0.51	0.59	0.60	0.86	2.40	3.48	6.86	8.11	9.42
1969	0.54	0.55	0.60	0.77	0.91	1.76	2.84	3.77	4.59	10.62
1970	1.06	1.13	1.26	2.09	3.21	3.87	4.23	5.21	11.44	10.94
1971	0.41	0.42	0.45	0.61	0.64	0.77	0.87	2.17	4.03	8.10
1972	1.06	1.13	1.17	1.35	1.91	4.08	7.08	8.69	11.22	16.94
1973	0.54	0.56	0.61	1.19	1.31	2.84	5.44	7.59	9.10	13.38
1974	0.79	0.84	0.89	0.95	1.23	1.43	1.70	2.85	2.99	3.70
1975	0.93	0.99	1.05	1.16	1.27	2.40	3.82	4.94	6.71	10.59
1976	0.79	0.90	1.06	1.46	1.48	2.65	4.42	5.80	7.14	9.01
1977	0.25	0.25	0.26	0.28	0.30	0.34	0.38	0.78	1.83	7.83
1978	0.35	0.35	0.36	0.42	0.46	0.56	0.60	3.11	4.55	6.07
1979	0.47	0.53	0.58	0.66	0.83	1.43	2.17	2.77	10.85	10.51
1980	0.38	0.38	0.38	0.39	0.44	0.60	0.81	3.55	8.92	9.75
1981	0.22	0.22	0.22	0.23	0.26	0.30	0.36	0.74	2.96	6.44
1982										
1983										
1984										
MEDIA	0.73	0.77	0.83	0.98	1.24	1.88	2.54	4.14	6.44	9.30
ID. PADRAO	0.56	0.58	0.62	0.73	0.92	1.33	1.82	2.74	3.30	4.22
ICDEF. VAR.	0.59	0.58	0.56	0.55	0.55	0.50	0.52	0.44	0.26	0.21

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957	0.17	0.17	0.19	0.25	0.55	1.52	4.97	6.26	11.79	17.77
1958	0.60	0.87	1.42	1.70	2.21	8.79	11.38	21.48	27.96	33.74
1959	0.15	0.15	0.16	0.16	0.23	0.58	0.96	1.35	5.71	15.71
1960										
1961										
1962	0.44	0.44	0.46	0.51	0.97	1.82	2.33	5.64	5.88	7.52
1963	0.67	0.72	0.78	0.98	1.91	3.45	4.16	11.06	33.56	36.89
1964										
1965										
1966										
1967										
1968										
1969										
1970	0.81	0.84	0.89	1.04	1.73	8.01	8.25	11.43	22.27	24.16
1971	0.67	0.67	0.68	0.80	0.87	1.09	1.82	4.42	7.72	19.58
1972	1.39	1.39	1.67	1.87	2.29	6.71	10.32	16.11	22.21	35.28
1973	1.39	1.60	1.73	1.82	2.09	5.08	11.54	14.24	21.26	31.58
1974	1.82	2.03	2.40	2.57	2.99	4.26	5.35	8.31	8.99	9.97
1975	1.60	1.82	2.03	2.30	2.72	4.52	7.01	9.22	14.04	21.08
1976	2.03	2.03	2.09	2.36	3.19	5.90	6.95	9.44	11.98	17.46
1977	0.30	0.30	0.30	0.30	0.34	0.38	0.46	1.53	3.43	14.84
1978	0.52	0.52	0.58	0.72	0.80	1.17	1.26	5.86	10.08	13.23
1979	2.24	2.24	2.24	2.62	3.28	4.19	4.90	6.38	20.47	21.72
1980	1.82	1.82	1.82	1.93	2.12	3.23	4.43	11.81	19.86	23.37
1981	0.67	0.67	0.69	0.74	0.84	1.12	1.86	3.55	9.48	15.95
1982										
1983										
1984										
MEDIA	1.02	1.08	1.18	1.33	1.71	3.64	5.17	8.71	15.10	21.17
D.PADRAD	0.69	0.72	0.77	0.86	1.01	2.63	3.61	5.31	8.58	8.75
COEF.VAR.	0.46	0.44	0.43	0.41	0.35	0.52	0.49	0.37	0.32	0.17

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949										
1950										
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
1962										
1963	0.98	0.81	0.35	0.16	0.08	0.05	0.03	0.02	0.77	1.52
1964	0.98	0.73	0.31	0.15	0.07	0.78	1.36	2.00	2.90	3.15
1965	0.98	0.53	0.23	0.11	0.05	0.03	0.02	0.76	1.17	1.47
1966	0.83	0.43	0.18	0.09	0.04	0.04	0.05	0.76	1.20	1.13
1967	0.68	0.23	0.10	0.05	0.02	0.02	0.48	0.93	2.49	2.13
1968	0.98	0.68	0.29	0.14	0.07	0.03	0.03	0.87	1.16	1.39
1969	0.98	0.43	0.18	0.09	0.04	0.02	1.10	1.86	2.11	2.40
1970	1.13	0.53	0.23	0.11	0.05	0.03	0.02	0.01	1.01	1.16
1971	2.03	0.73	0.31	0.15	0.07	0.04	0.17	0.08	0.06	0.79
1972	1.58	0.53	0.23	0.11	0.05	0.03	0.05	0.02	0.86	1.35
1973	1.88	1.98	0.85	0.40	0.20	0.10	0.20	0.10	0.07	0.51
1974	2.18	1.60	0.69	0.32	0.16	0.08	0.05	1.47	2.87	3.98
1975	3.75	1.34	0.57	0.27	0.13	0.07	0.04	0.02	1.23	1.50
1976	3.23	1.43	0.61	0.29	0.14	0.07	0.05	1.84	2.44	2.78
1977	1.88	1.86	0.80	0.37	0.19	0.09	0.06	0.03	1.06	1.70
1978	0.68	0.48	0.20	0.10	0.05	0.07	0.05	0.77	1.93	2.97
1979	0.68	0.53	0.23	0.11	0.05	0.04	1.15	2.31	3.18	3.15
1980	1.28	1.25	0.54	0.25	0.13	0.06	1.40	1.65	2.50	2.37
1981	0.98	0.63	0.27	0.13	0.06	0.03	0.02	0.01	0.37	0.28
1982	2.18	1.08	0.46	0.22	0.11	0.38	0.26	0.13	0.09	0.59
1983	0.98	0.33	0.14	0.07	0.03	0.05	0.04	0.68	0.81	0.95
1984	0.68	0.23	0.10	0.05	0.02	0.01	0.01	0.56	0.62	0.74
MEDIA	1.43	0.93	0.36	0.17	0.08	0.10	0.30	0.77	1.40	1.73
ID. PADRAO	0.84	0.52	0.22	0.10	0.05	0.17	0.47	0.77	0.98	1.00
COEF. VAR.	0.34	0.39	0.39	0.39	0.39	3.17	2.48	0.99	0.49	0.34

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945										
1946										
1947										
1948										
1949	1.10	1.38	1.57	1.37	0.68	3.41	3.67	6.26	13.11	16.65
1950	4.28	4.92	5.35	5.77	6.82	9.31	9.06	14.96	17.60	19.09
1951										
1952										
1953										
1954										
1955										
1956										
1957										
1958										
1959										
1960										
1961										
1962	1.40	1.42	1.58	1.86	2.00	3.30	4.52	10.66	10.09	14.60
1963	1.40	1.42	1.57	0.75	0.37	1.95	4.35	10.00	12.02	15.07
1964	0.30	0.42	0.56	1.08	0.77	1.00	6.20	8.32	11.05	15.06
1965										
1966										
1967	0.80	0.34	1.01	1.60	0.95	2.38	2.40	6.19	8.49	9.74
1968										
1969										
1970										
1971										
1972										
1973										
1974										
1975										
1976										
1977										
1978										
1979										
1980										
1981										
1982										
1983										
1984										
MEDIA	1.55	1.73	1.94	2.07	1.93	3.69	5.03	9.40	12.06	15.03
D. PADRAO	1.40	1.61	1.72	1.85	2.46	2.83	2.33	3.29	3.14	3.06
COEF. VAR.	0.82	0.86	0.79	0.80	1.62	0.59	0.21	0.12	0.07	0.04

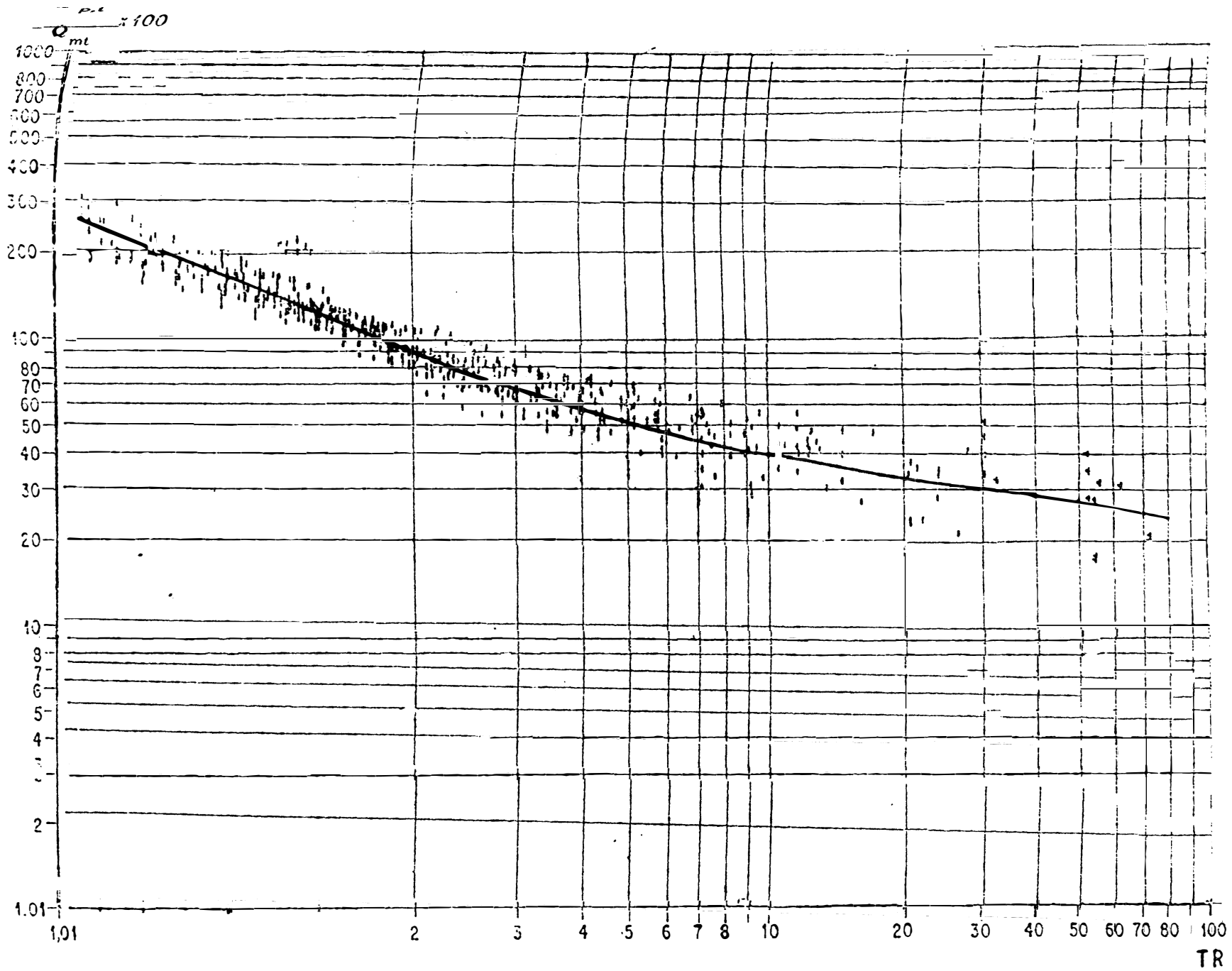
ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940	9.62	9.66	9.98	11.56	21.48	25.21	28.88	45.21	64.62	92.30
1941	5.42	5.73	6.38	7.53	8.47	9.67	14.20	38.98	46.27	65.30
1942	3.47	3.52	3.62	3.82	4.08	5.19	8.56	10.73	23.16	31.13
1943	3.62	3.91	4.20	4.40	4.51	4.88	6.84	17.16	22.00	40.67
1944	2.41	2.41	2.48	2.89	3.30	3.57	4.69	5.11	13.85	29.73
1945	3.91	4.01	4.50	4.97	6.18	7.40	8.17	25.66	25.71	32.79
1946	5.79	5.85	6.04	6.27	6.85	9.23	19.68	35.08	36.09	42.60
1947	5.97	6.07	6.56	8.08	12.02	28.03	32.53	42.91	45.90	52.62
1948	3.06	3.15	5.49	10.42	14.27	16.36	16.73	27.15	35.22	44.08
1949	2.92	2.97	3.33	3.66	4.09	5.62	6.12	9.67	22.39	37.08
1950	6.17	6.73	7.31	8.33	10.22	14.47	14.55	25.42	30.37	33.13
1951	2.16	2.24	2.47	3.04	3.57	3.75	4.37	6.03	30.47	31.60
1952	3.91	4.00	4.17	4.79	4.94	6.07	6.81	22.28	29.13	42.35
1953	4.05	4.15	4.26	4.72	6.14	11.47	29.43	60.29	80.78	90.28
1954	2.28	2.35	2.49	2.80	4.25	5.95	7.27	24.17	46.39	90.57
1955	4.20	4.48	5.02	5.66	6.22	9.22	23.00	50.43	59.09	71.39
1956	5.69	5.98	6.34	7.73	8.55	10.07	23.28	29.01	43.17	56.24
1957	8.77	9.47	10.66	12.69	15.84	21.73	27.79	31.25	45.45	65.97
1958	10.27	10.73	12.04	13.88	18.32	34.23	46.33	56.07	61.79	74.40
1959										
1960										
1961										
1962										
1963										
1964										
1965										
1966										
1967										
1968	6.62	7.79	9.20	10.84	12.98	20.19	34.99	48.09	57.96	55.66
1969	6.65	7.29	9.02	10.09	13.96	19.52	20.17	29.14	34.95	48.31
1970	15.08	16.04	16.73	18.50	23.60	28.23	34.01	52.10	73.78	80.04
1971	8.12	8.95	9.83	11.74	12.43	16.72	20.18	37.89	55.63	72.76
1972	15.08	15.74	16.03	19.66	29.81	41.80	54.48	63.39	69.48	91.30
1973	11.34	12.15	12.80	13.36	16.03	25.11	32.23	44.34	54.28	71.62
1974										
1975										
1976	20.86	21.59	23.78	26.05	27.22	33.12	46.23	58.15	57.46	88.10
1977										
1978	7.20	7.41	7.68	8.35	9.65	11.83	17.53	37.61	47.59	50.62
1979										
1980	14.40	16.15	17.21	18.84	20.08	22.83	25.37	53.47	70.67	83.16
1981	4.49	4.74	4.97	5.54	6.46	6.92	7.11	14.61	33.48	48.14
1982	19.36	19.79	23.12	25.30	29.08	40.66	66.91	94.52	103.28	113.32
1983										
1984										
MEDIA	7.43	7.83	8.59	9.85	12.15	16.64	22.95	36.53	47.35	60.91
IQ.PADRÃO	5.04	5.31	5.79	6.40	7.97	11.26	15.77	19.94	20.30	23.01
ICOE.F. VAR.	0.46	0.46	0.45	0.42	0.43	0.46	0.47	0.30	0.18	0.14

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
1944										
1945	3.67	3.67	3.97	4.22	5.03	6.96	11.73	23.64	54.22	92.27
1946	16.44	17.02	17.68	18.57	23.92	26.66	40.36	78.99	129.23	151.86
1947	9.27	10.12	13.42	15.72	27.36	30.73	62.05	69.44	113.20	160.28
1948										
1949										
1950										
1951		1.07	1.71	2.26	3.33	4.63	7.55	43.13	58.67	132.60
1952	27.52	28.87	30.32	31.36	35.05	38.04	44.92	55.29	91.91	196.84
1953	20.51	21.28	22.66	25.97	32.14	39.56	61.94	85.24	165.80	212.16
1954	3.13	3.13	4.03	7.53	8.73	11.32	15.80	32.39	98.51	200.15
1955	6.45	6.68	7.13	7.84	9.92	14.17	28.91	54.60	60.79	81.47
1956		0.20		0.47		1.26		9.04		91.07
1957	8.84	9.27	9.64	11.42	16.34	17.20	30.88	55.45	92.13	138.31
1958										
1959										
1960	9.64	10.49	12.69	13.17	16.79	20.97	25.20	46.02	98.01	234.78
1961	5.22	5.43	6.32	7.88	10.46	17.05	24.68	41.75	92.45	132.33
1962	2.19	2.27	2.45	3.57	8.53	17.54	40.91	83.52	91.85	110.74
1963										
1964										
1965										
1966										
1967	2.42	2.50	2.68	3.88	5.75	8.17	11.04	31.96	83.98	185.50
1968	12.35	12.35	13.35	14.49	17.81	21.69	25.98	56.68	95.37	99.42
1969	4.28	5.11	6.10	8.24	9.77	19.40	18.23	29.98	56.81	105.78
1970										
1971	6.87	7.13	8.06	8.73	10.65	17.24	17.87	23.94	36.17	122.99
1972										
1973	8.45	8.72	8.79	9.09	11.60	20.32	25.68	35.22	49.36	154.23
1974	9.64	10.49	12.70	16.80	18.35	26.98	35.21	52.57	73.15	145.42
1975	13.31	13.79	14.42	17.17	20.67	45.02	45.36	60.83	95.32	184.53
1976	26.03	26.89	29.03	35.27	72.55	85.10	112.40	120.83	168.81	243.55
1977										
1978	3.34	3.55	3.79	5.03	5.95	7.88	8.82	10.02	36.82	88.02
1979	8.85	9.24	10.01	13.09	14.38	19.07	26.75	94.09	162.47	206.33
1980										
1981	3.65	3.97	4.50	6.04	9.44	15.49	28.24	49.33	65.19	99.26
1982	30.81	31.97	36.23	48.57	67.89	74.80	106.36	240.47	279.23	334.37
1983	11.39	11.87	13.24	18.60	27.49	50.50	70.78	91.83	116.07	278.46
1984	6.47	6.87	8.22	10.92	14.33	16.70	16.74	81.25	122.66	174.81
MEDIA	9.66	10.15	11.23	13.55	18.68	24.98	34.98	61.69	95.86	161.39
D. PADRAO	8.21	8.45	9.15	10.99	17.24	19.87	27.52	44.54	54.33	63.05
COEF. VAR.	0.72	0.69	0.66	0.66	0.85	0.63	0.62	0.52	0.32	0.15

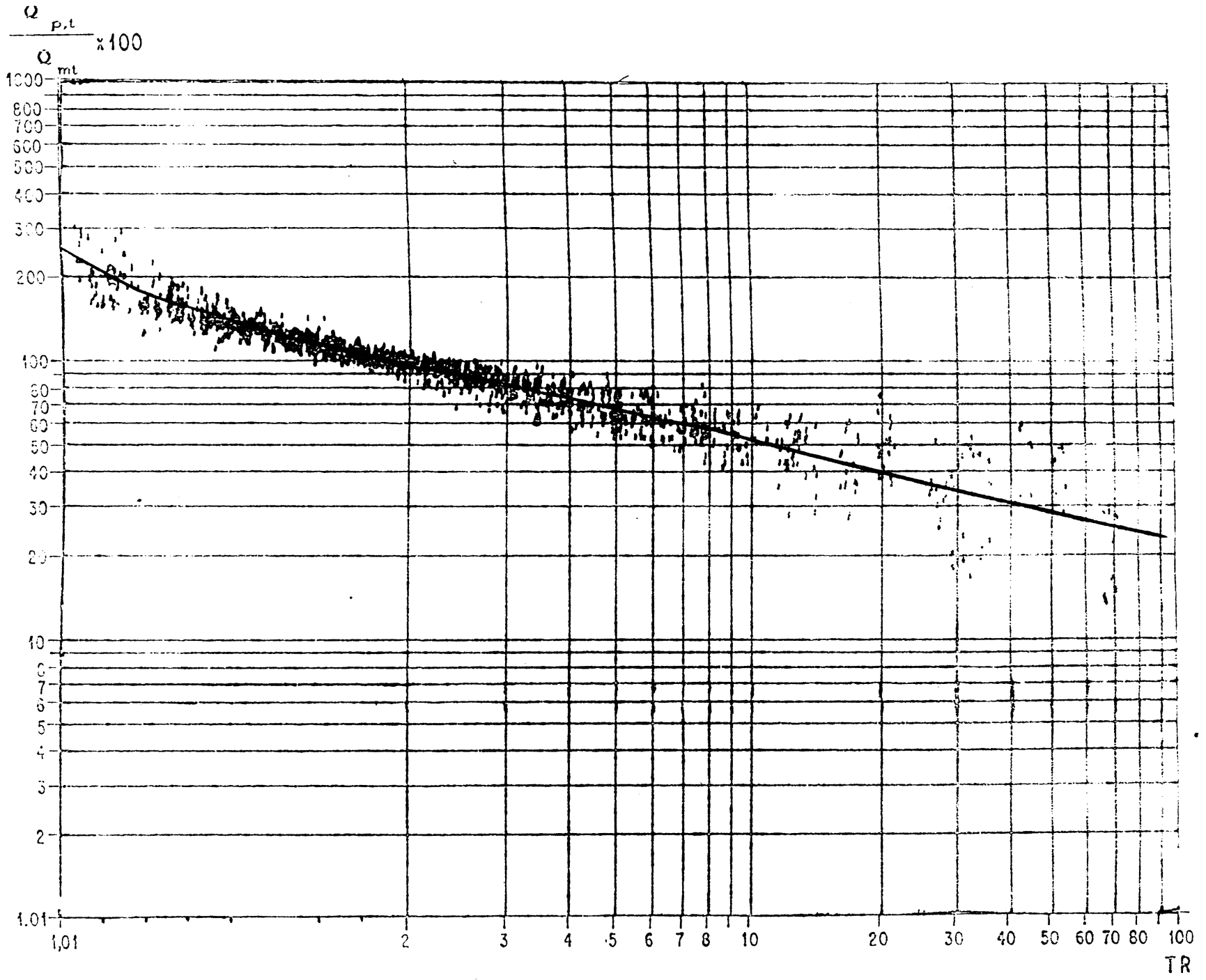
ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
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1966										
1967										
1968										
1969	17.60	18.45	19.52	21.79	24.03	34.69	34.76	54.44	98.88	175.41
1970										
1971	25.54	26.26	27.79	31.76	32.47	45.30	53.43	59.21	76.75	210.00
1972	43.30	49.35	49.71	54.98	84.81	128.65	152.09	258.66	321.19	553.84
1973	30.25	30.82	32.44	33.14	37.34	54.48	64.28	82.12	114.82	283.62
1974										
1975										
1976										
1977										
1978										
1979	26.98	28.03	30.39	33.22	36.58	46.70	70.61	183.22	282.45	333.18
1980	36.20	37.57	39.88	41.42	46.63	58.51	88.58	163.28	252.80	281.59
1981	16.90	17.90	19.42	20.78	24.14	35.56	58.26	65.51	105.78	174.69
1982	66.00	67.40	78.77	97.40	122.23	145.16	179.93	349.29	429.00	512.17
1983	21.04	21.69	27.30	31.69	38.78	75.03	118.75	153.15	193.63	452.60
1984										
MEDIA	31.53	33.05	36.14	40.69	49.67	69.34	91.19	152.10	208.37	330.79
D.PADRAO	15.51	16.25	18.59	23.58	32.70	40.42	48.98	101.18	121.28	143.72
COEF. VAR.	0.24	0.24	0.26	0.34	0.43	0.34	0.29	0.44	0.34	0.19

ANO	DURACAO 1 DIA M3/S	DURACAO 3 DIAS M3/S	DURACAO 7 DIAS M3/S	DURACAO 15 DIAS M3/S	DURACAO 30 DIAS M3/S	DURACAO 60 DIAS M3/S	DURACAO 90 DIAS M3/S	DURACAO 180 DIAS M3/S	DURACAO 270 DIAS M3/S	DURACAO 365 DIAS M3/S
1940										
1941										
1942										
1943										
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1964										
1965										
1966										
1967										
1968										
1969										
1970										
1971										
1972										
1973	0.14	0.13	0.16	0.18	0.26	0.32	0.51	0.90	1.62	2.17
1974	0.04	0.04	0.04	0.05	0.07	0.08	0.15	0.49	1.13	1.85
1975	0.11	0.12	0.14	0.16	0.10	0.82	0.99	1.33	1.95	2.71
1976	0.28	0.32	0.34	0.39	0.83	1.49	1.69	2.52	2.97	5.15
1977	0.04	0.04	0.04	0.05	0.06	0.23	0.32	0.38	0.57	1.33
1978	0.07	0.11	0.15	0.17	0.27	0.32	0.35	0.49	0.71	0.90
1979	0.25	0.28	0.24	0.11	0.06	0.33	0.26	0.79	1.79	2.30
1980	0.11	0.11	0.05	0.02	0.01	0.01	0.16	1.26	1.31	3.31
1981	0.04	0.04	0.04	0.05	0.07	0.18	0.31	0.38	1.06	2.44
1982	0.18	0.18	0.18	0.21	0.10	0.46	0.68	1.58	1.92	4.41
1983	0.32	0.13	0.06	0.03	0.01	0.01	0.00	0.59	1.14	1.67
1984	0.07	0.02	0.01	0.00	0.00	0.00	0.00	0.88	2.01	4.02
MEDIA	0.14	0.13	0.12	0.12	0.15	0.35	0.45	0.97	1.52	2.69
D. PADRAO	0.10	0.09	0.10	0.11	0.23	0.43	0.48	0.63	0.67	1.29
COEF. VAR.	0.52	0.56	0.69	0.89	2.29	1.47	1.14	0.42	0.19	0.23

ANEXO D2 - Ajuste das curvas adimensionais aos pontos



Região A1

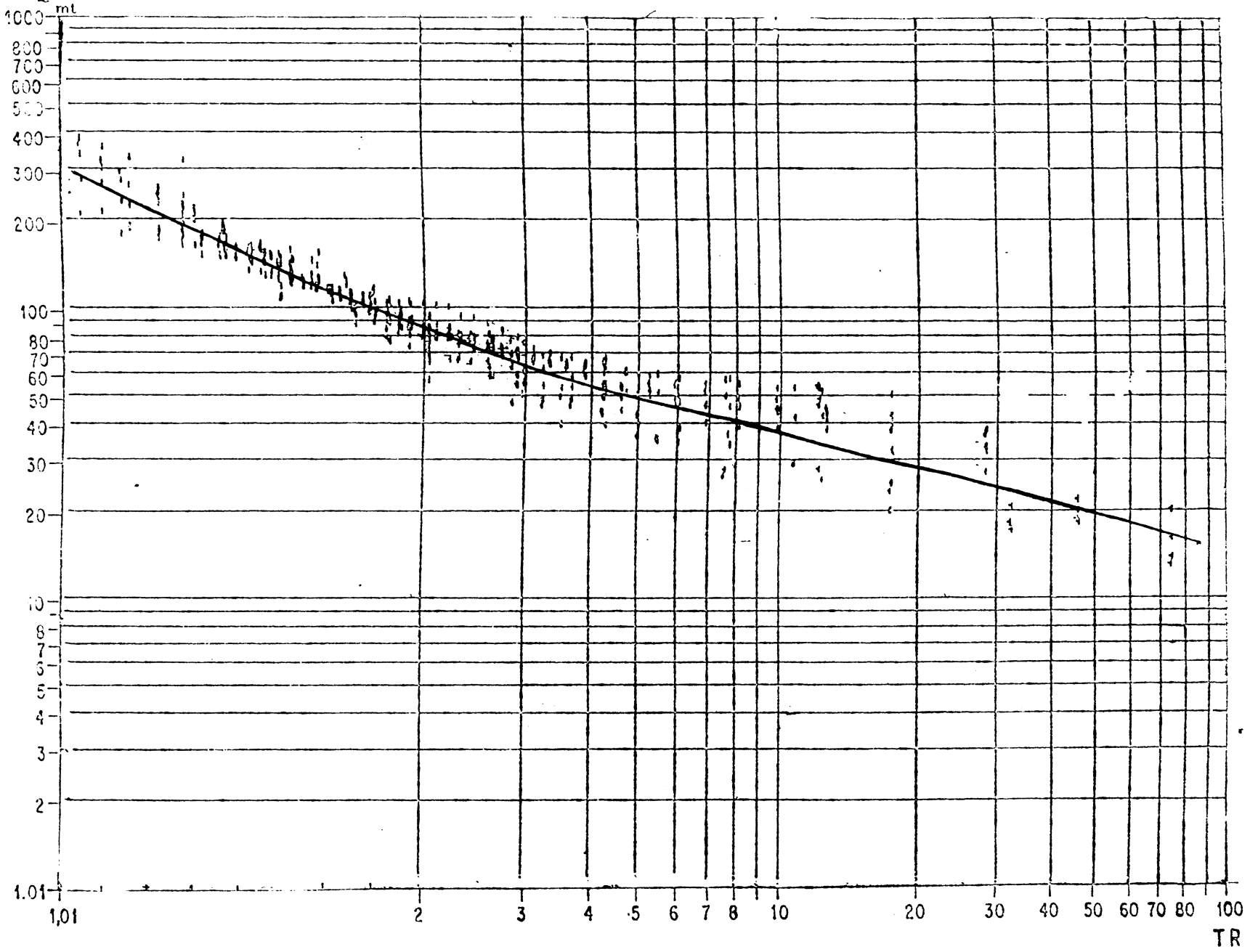


Registro A2

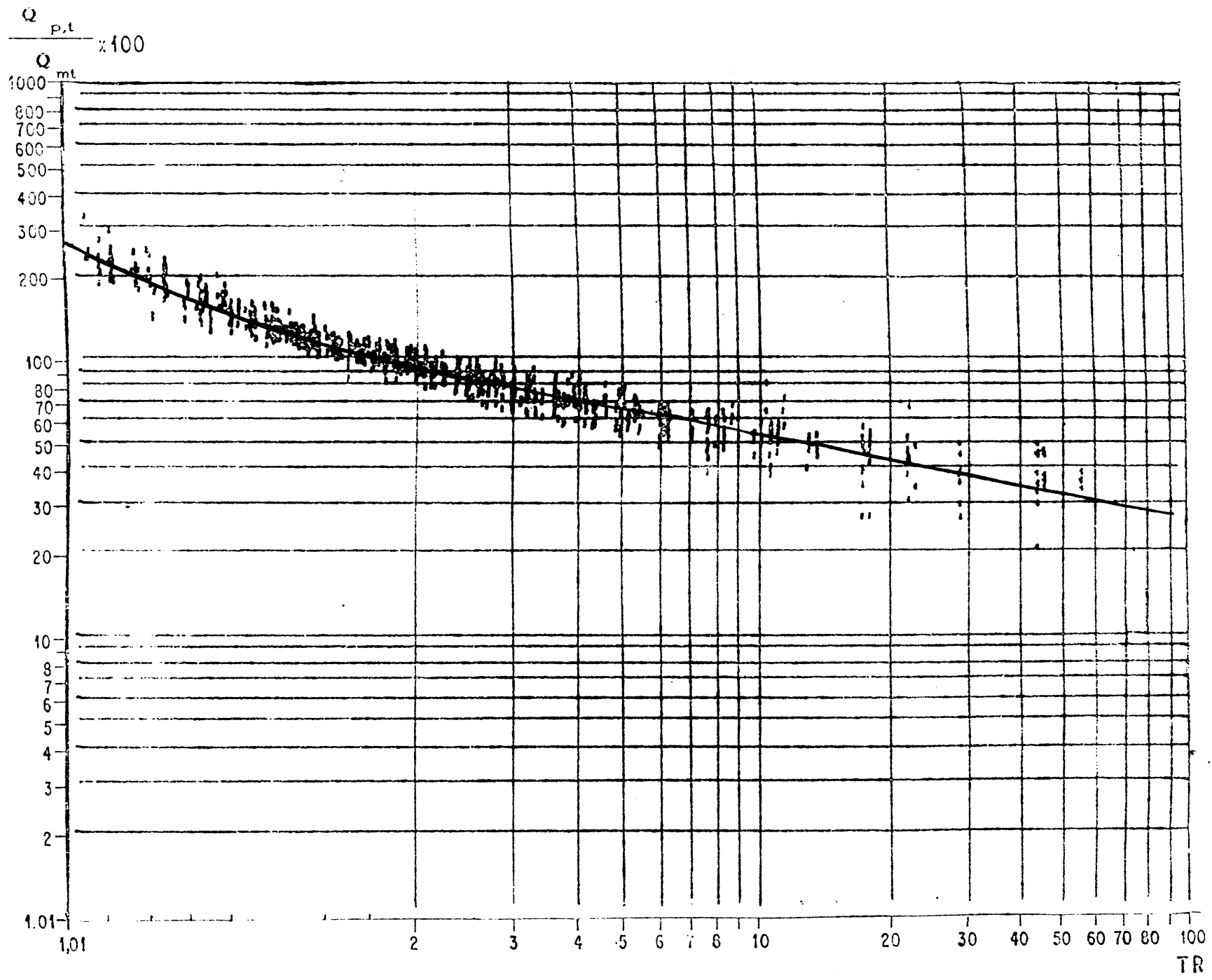
02 - 2

$Q_{p,t}$
:100

Q_{mt}

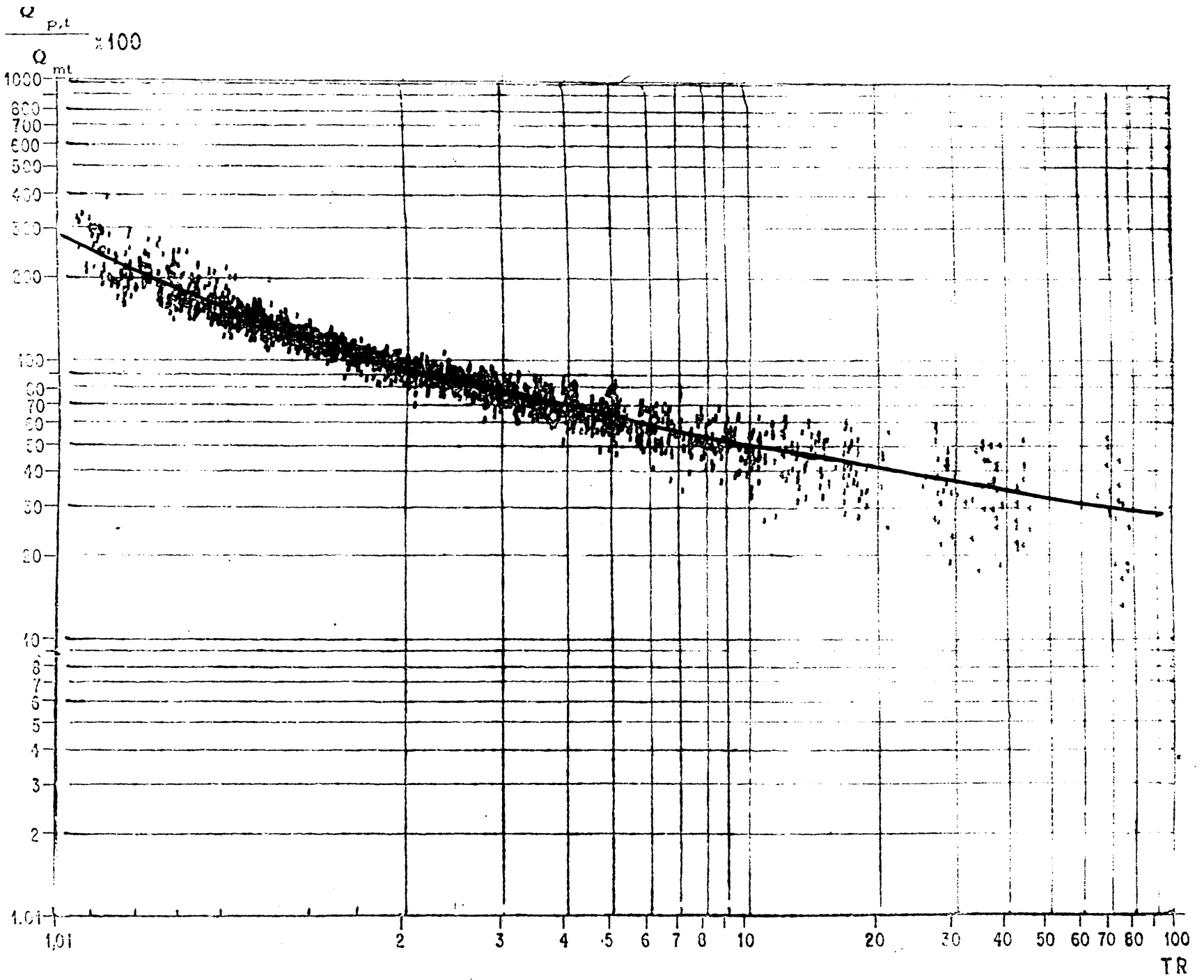


Região A3



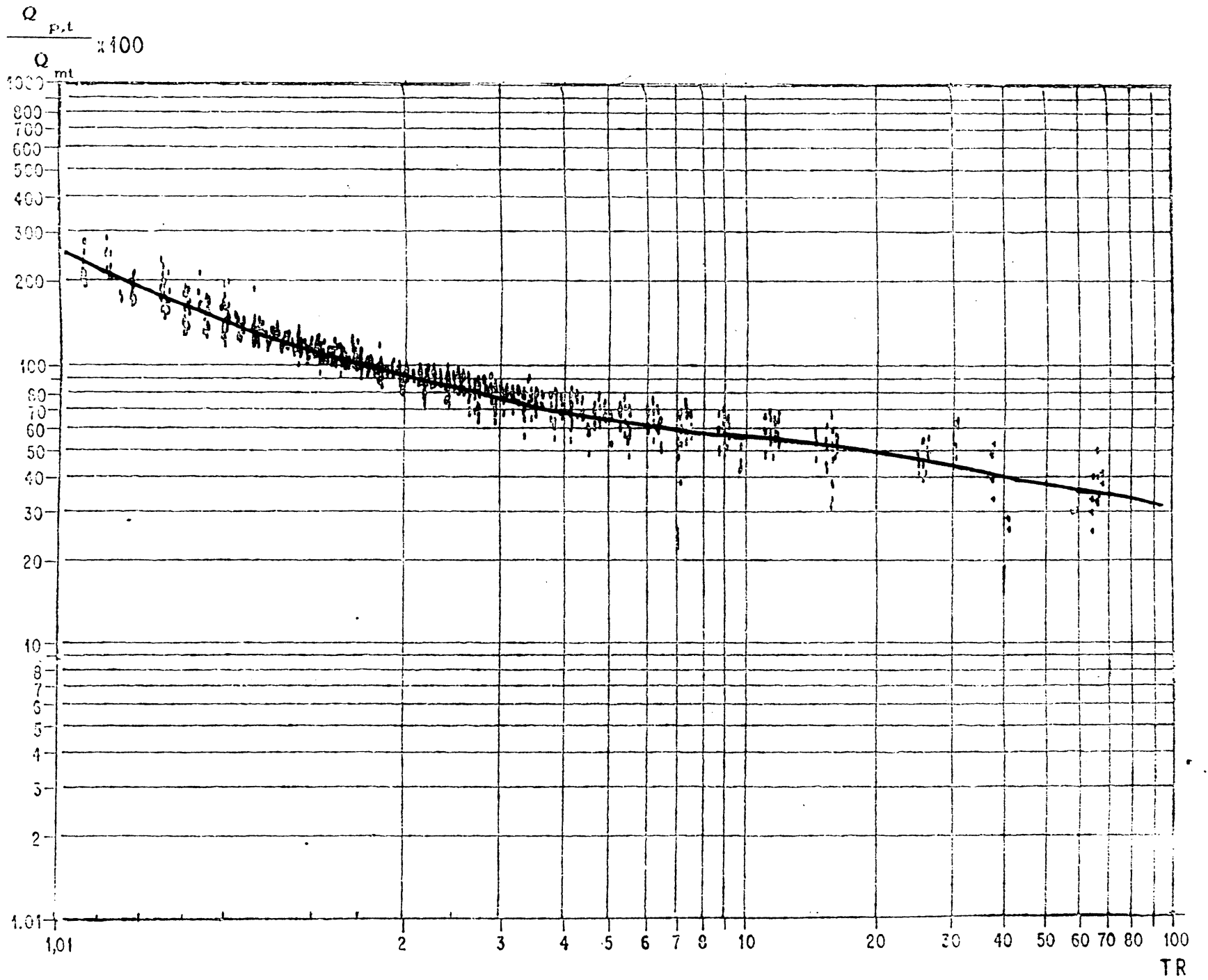
Região A4

DE - 4



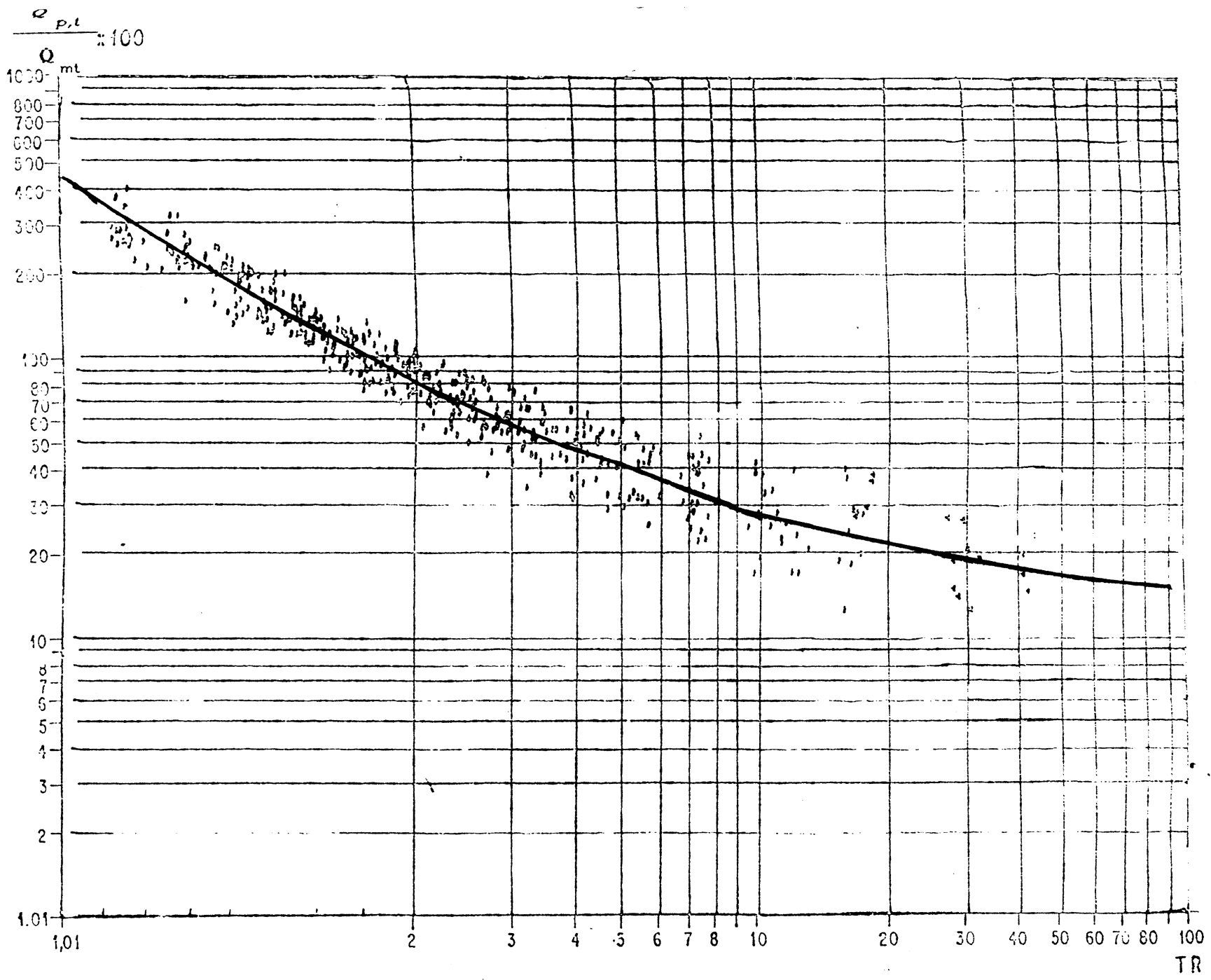
Região AS

DE - 5



Região A5

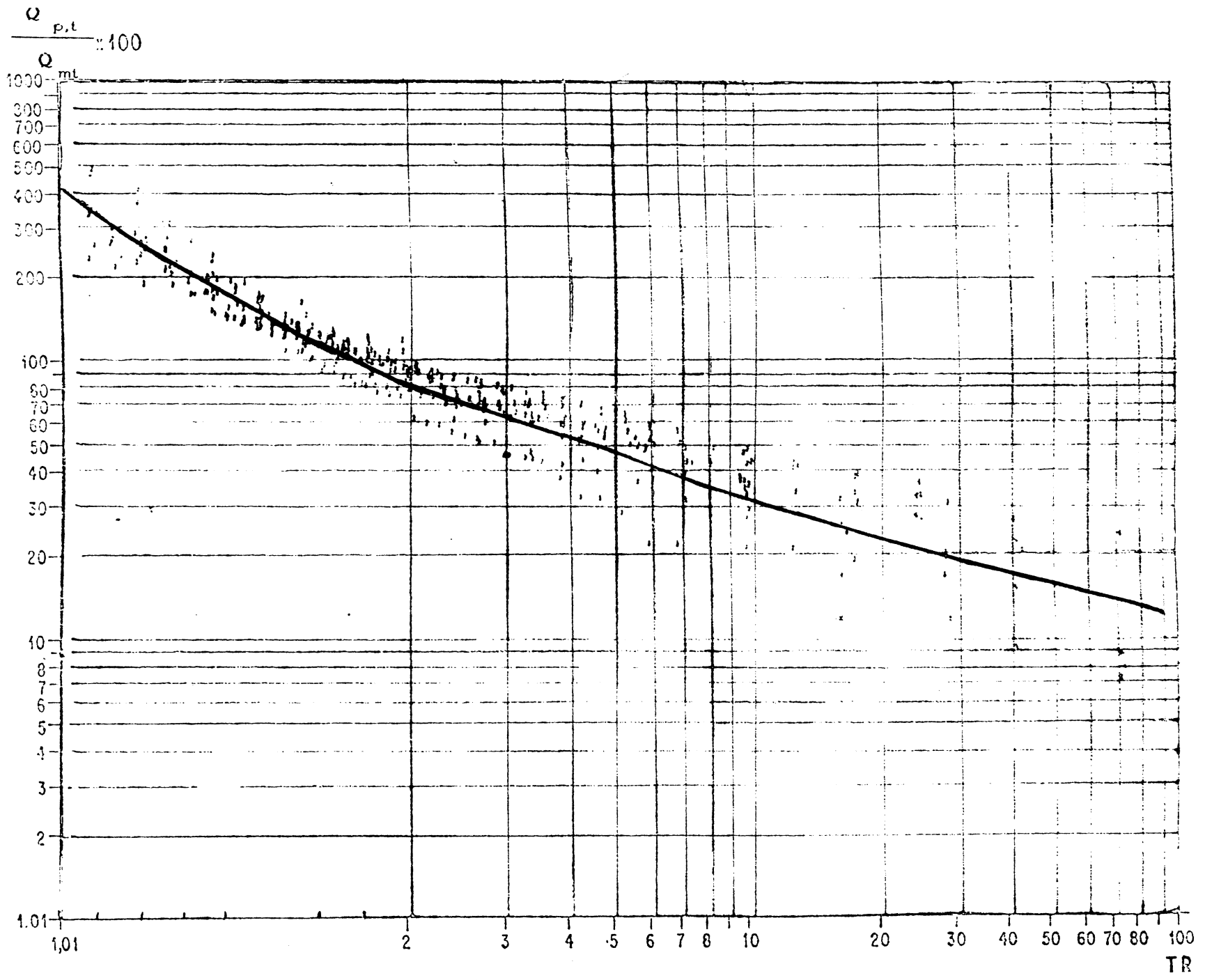
12 - 6



Região A7

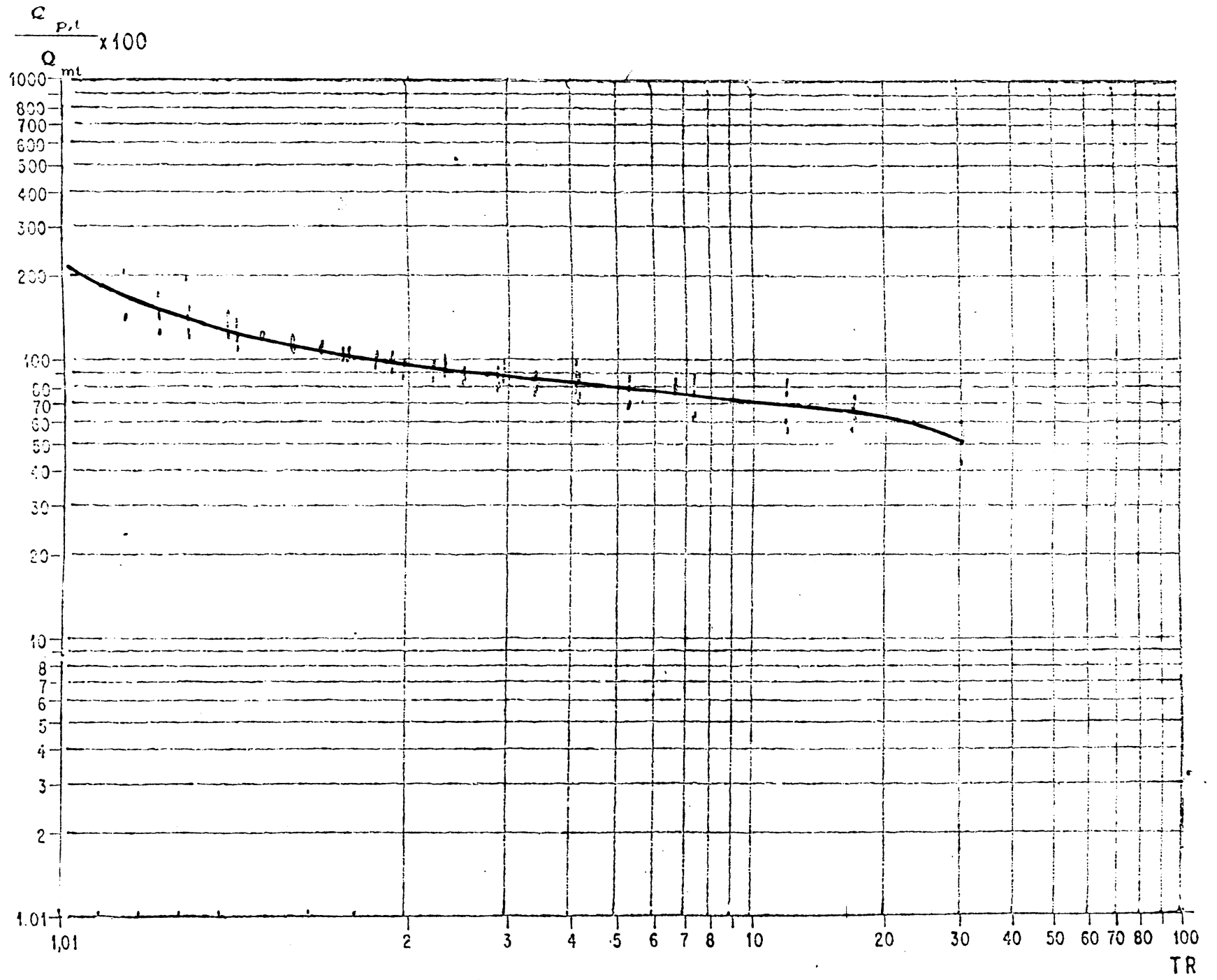
02 - 7

TR



Região AB

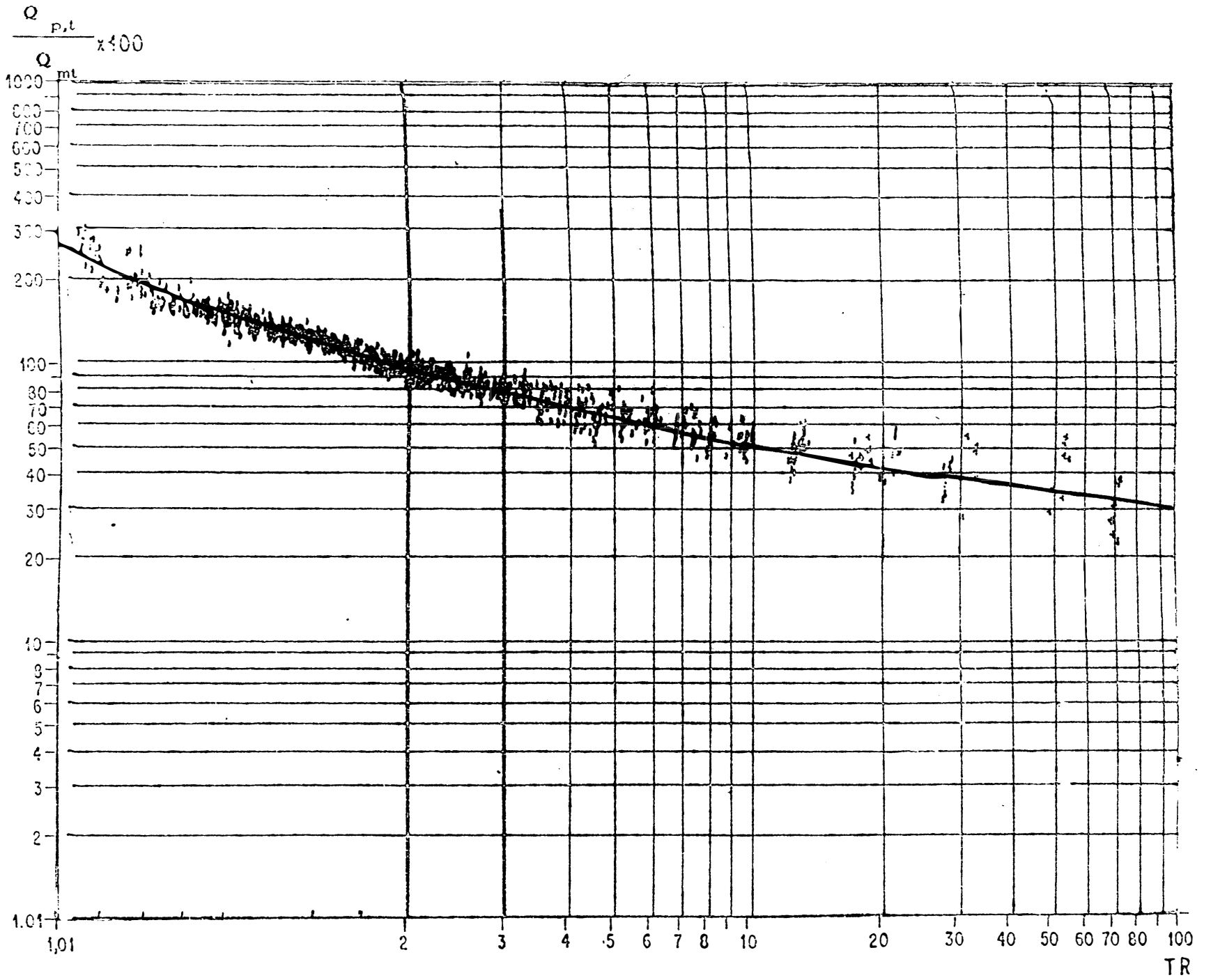
DE - 8



Região A9

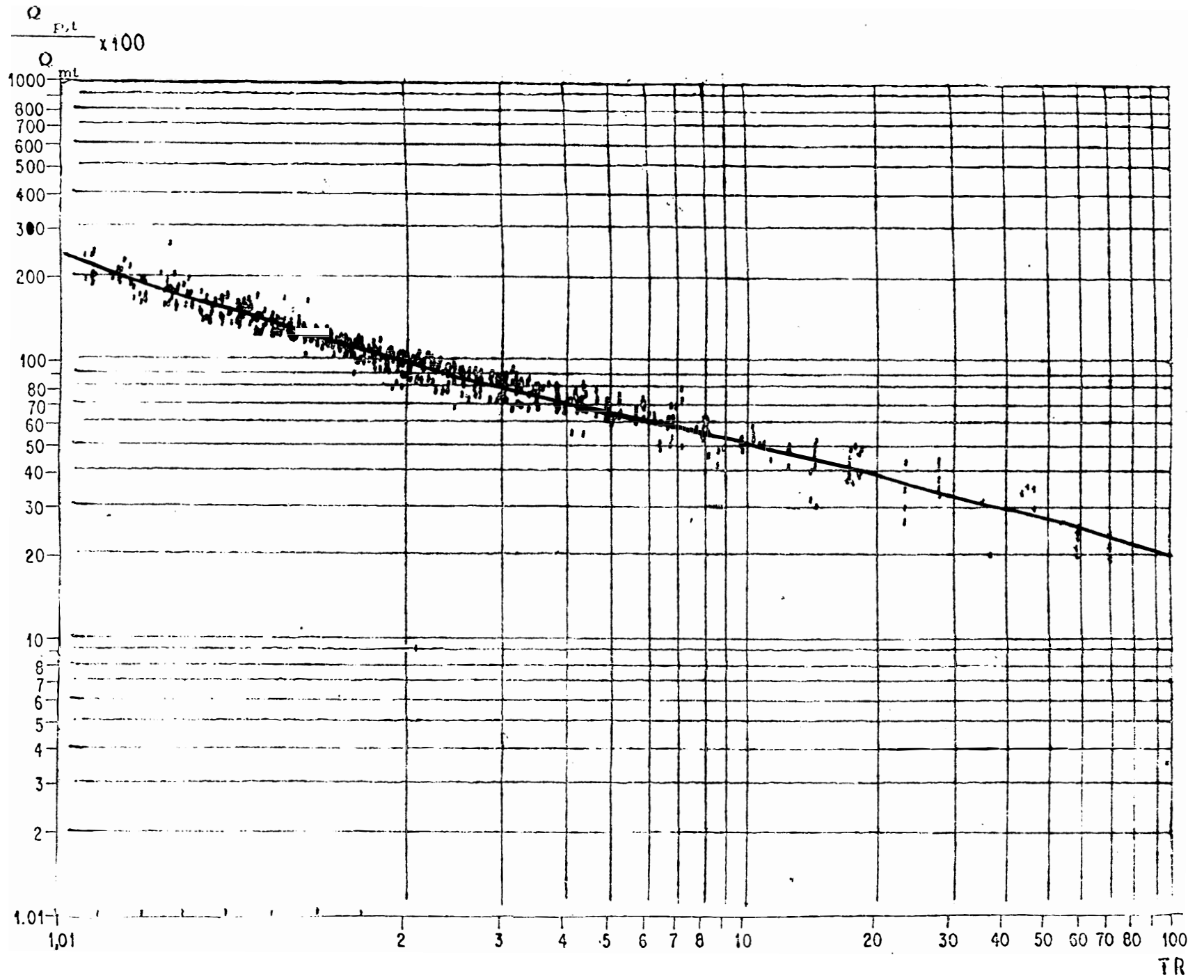
D2 - 9

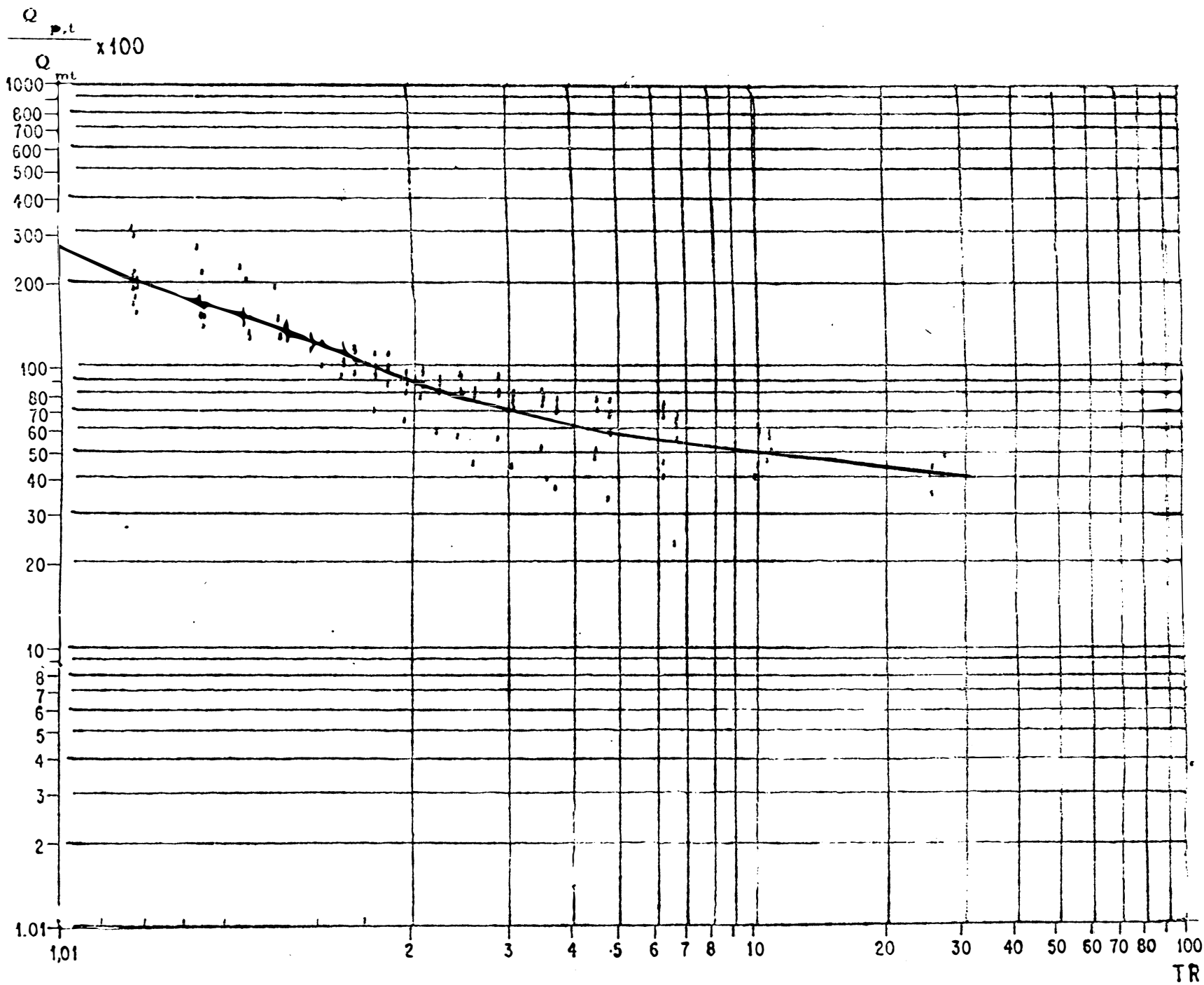
TR



Região A10

12 - 10



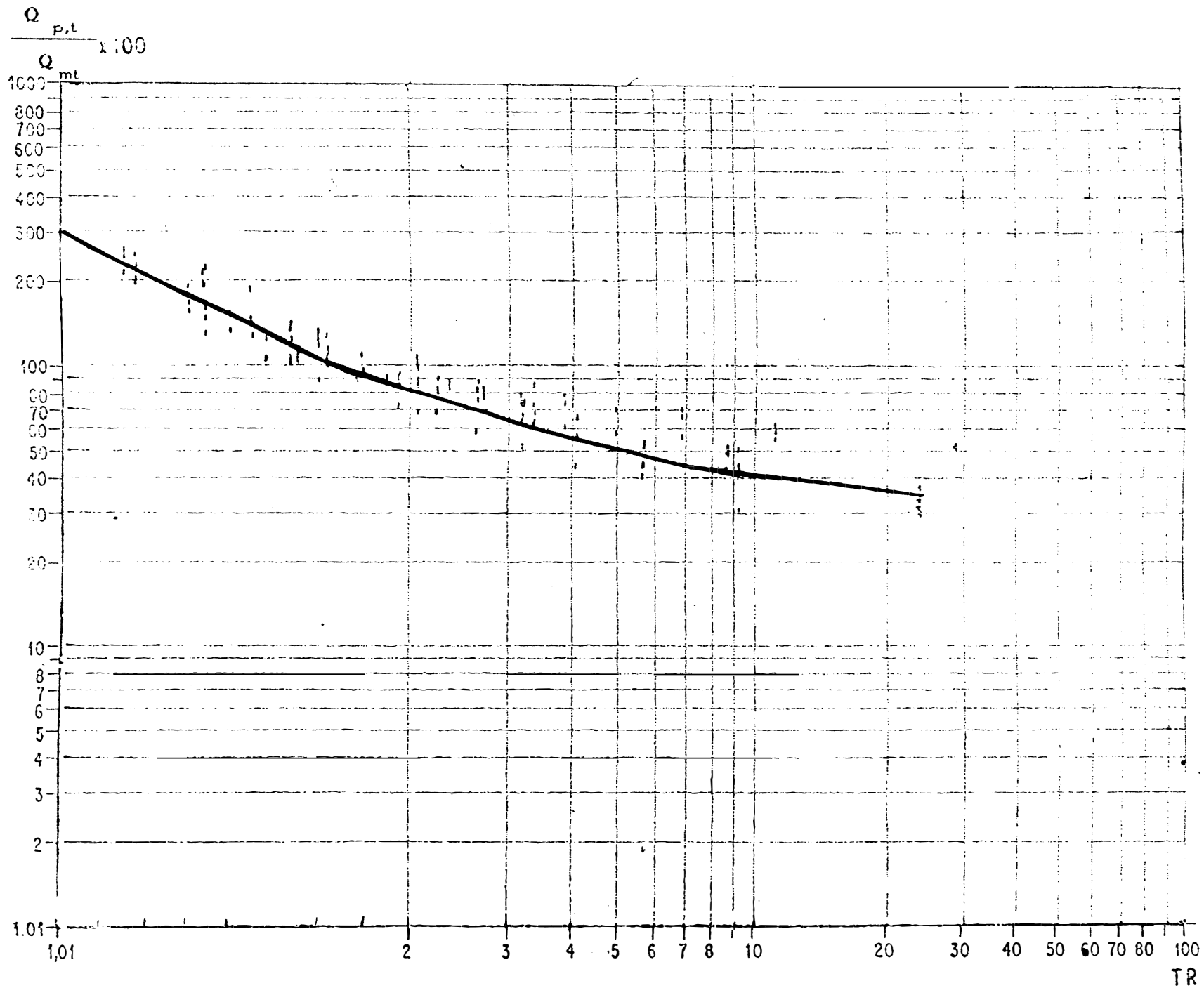


$Q_{p.t}$
x100

02 - 12

Região A12

TR

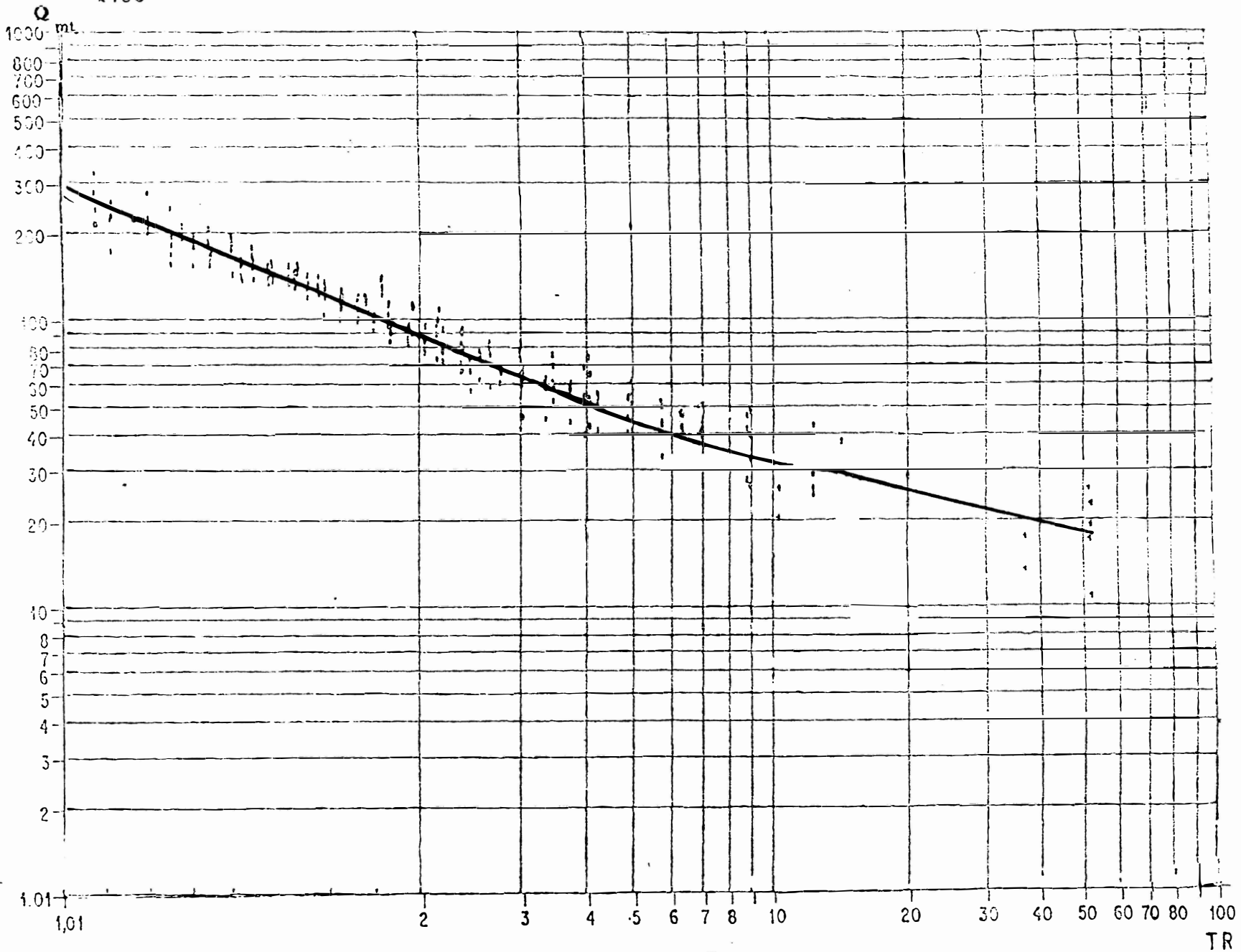


Região A13

02 - 13

TR

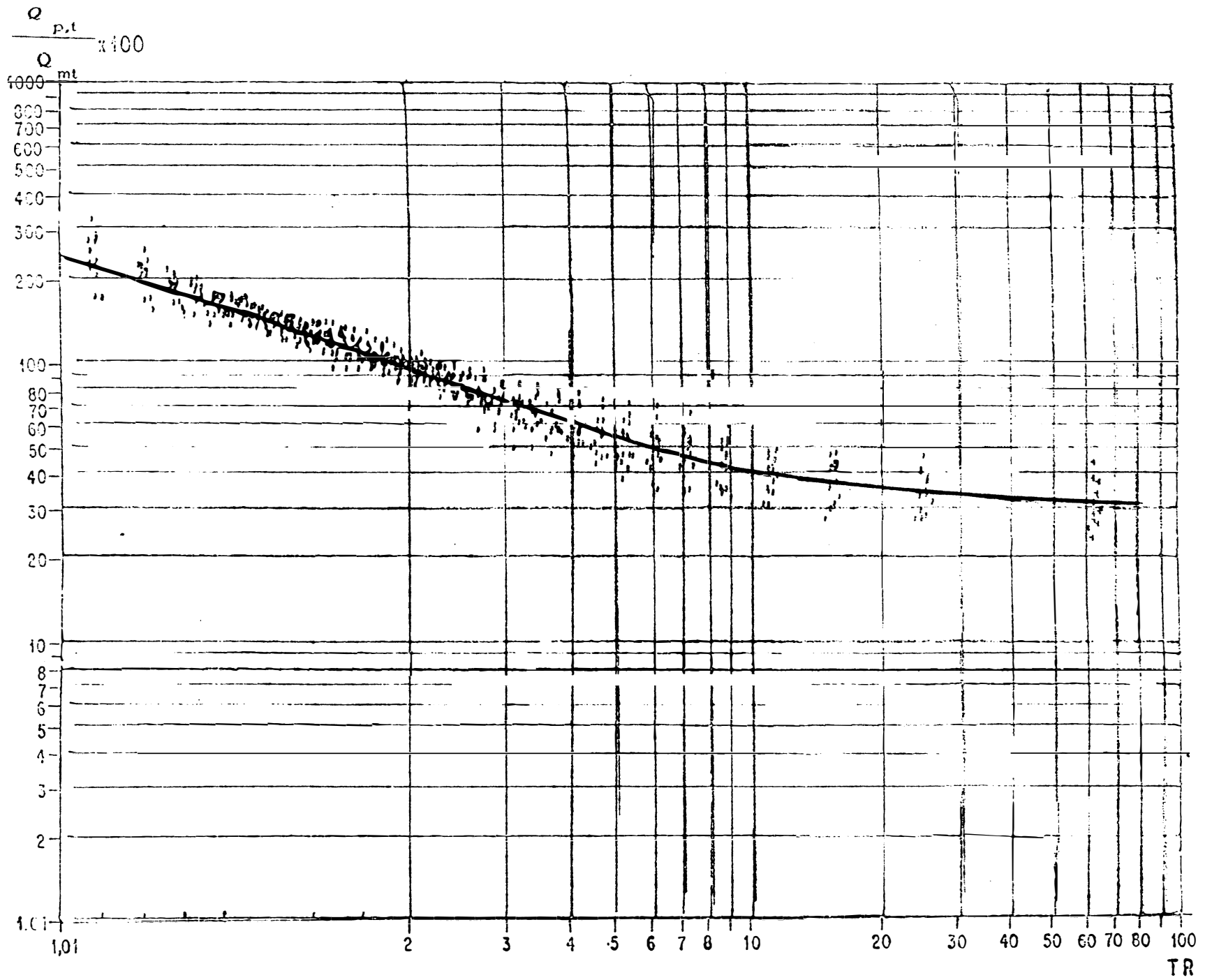
$\frac{Q}{P.t} = 100$



02 - 14

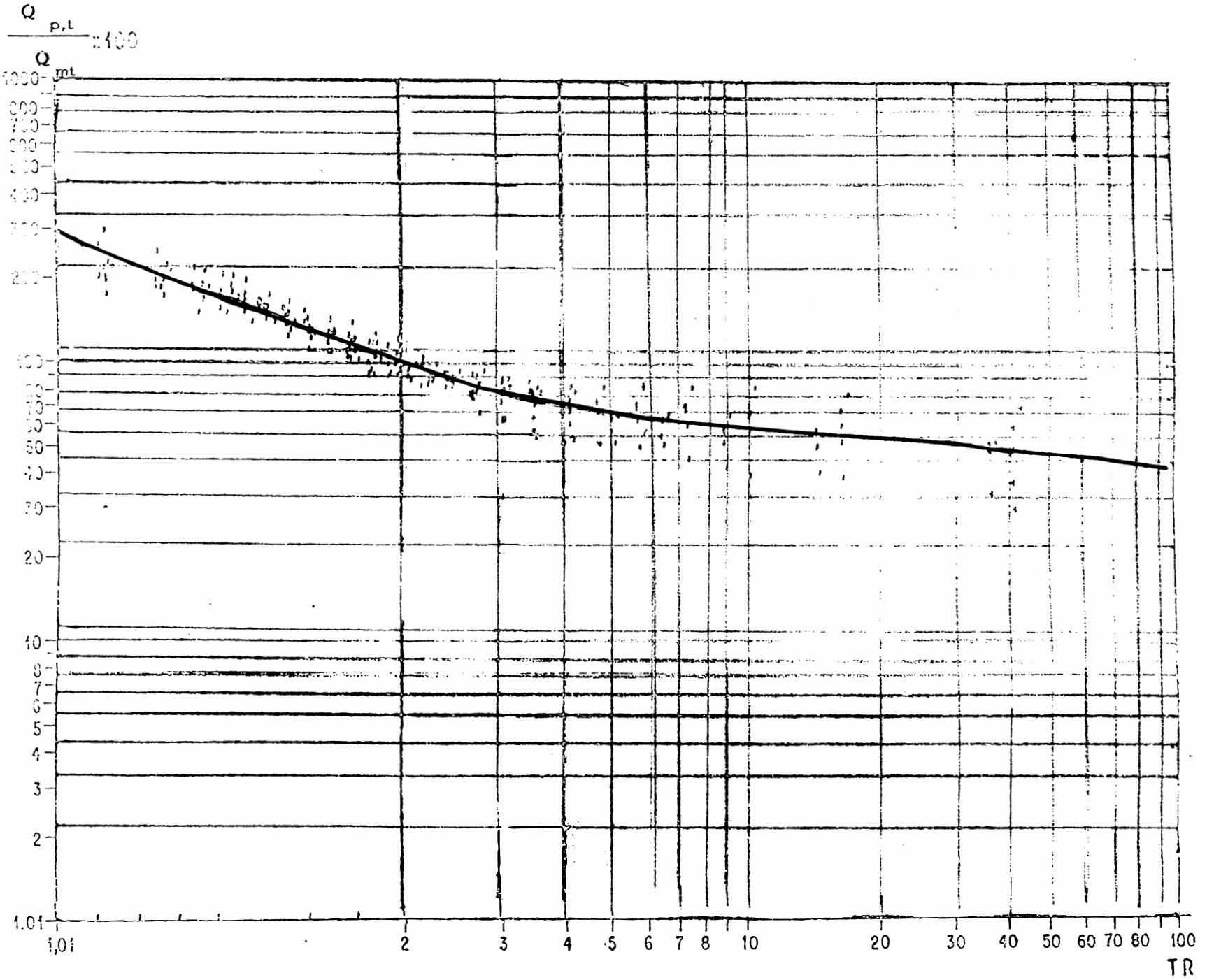
REGIÃO A14

TR



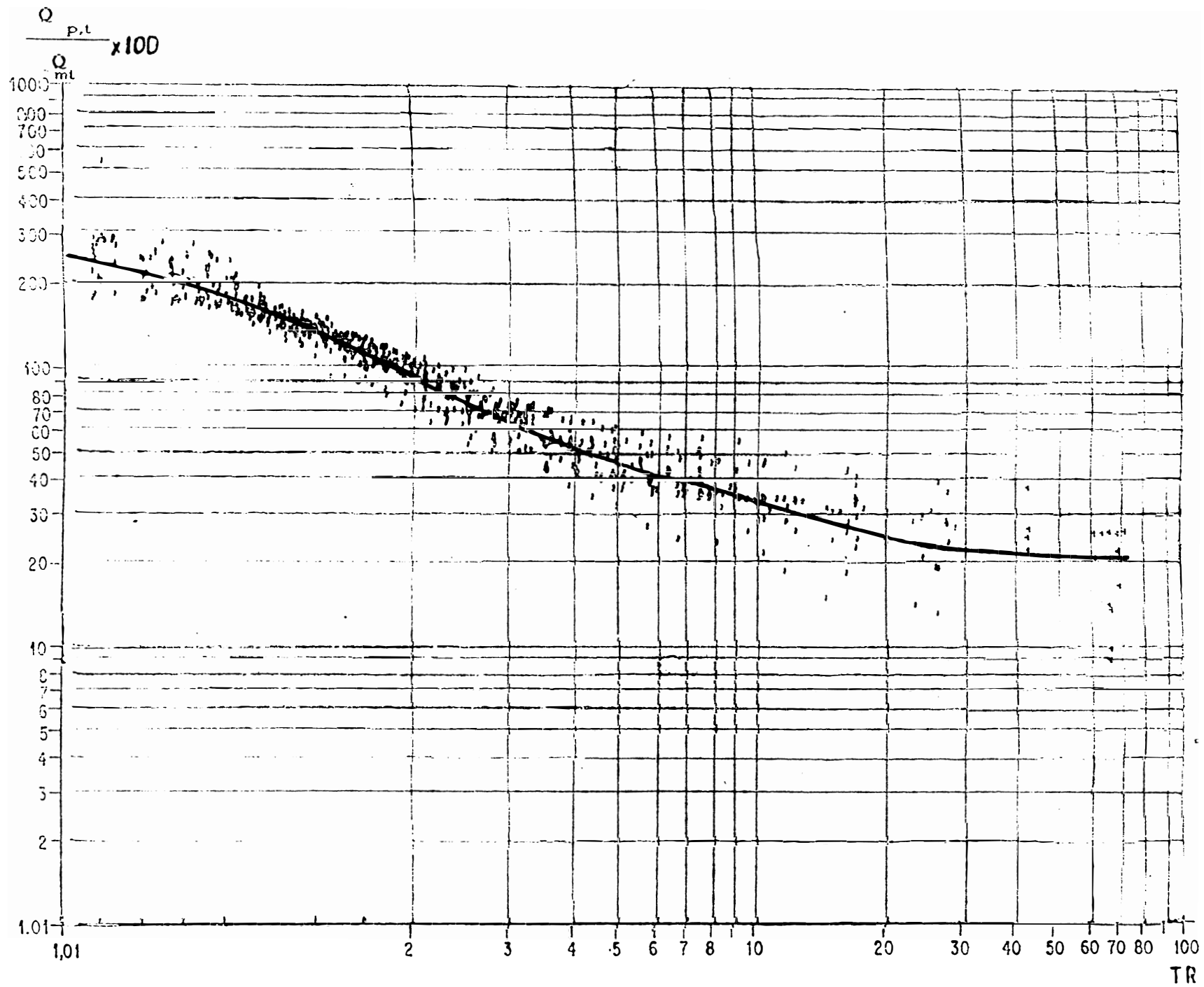
Reg 30 A15

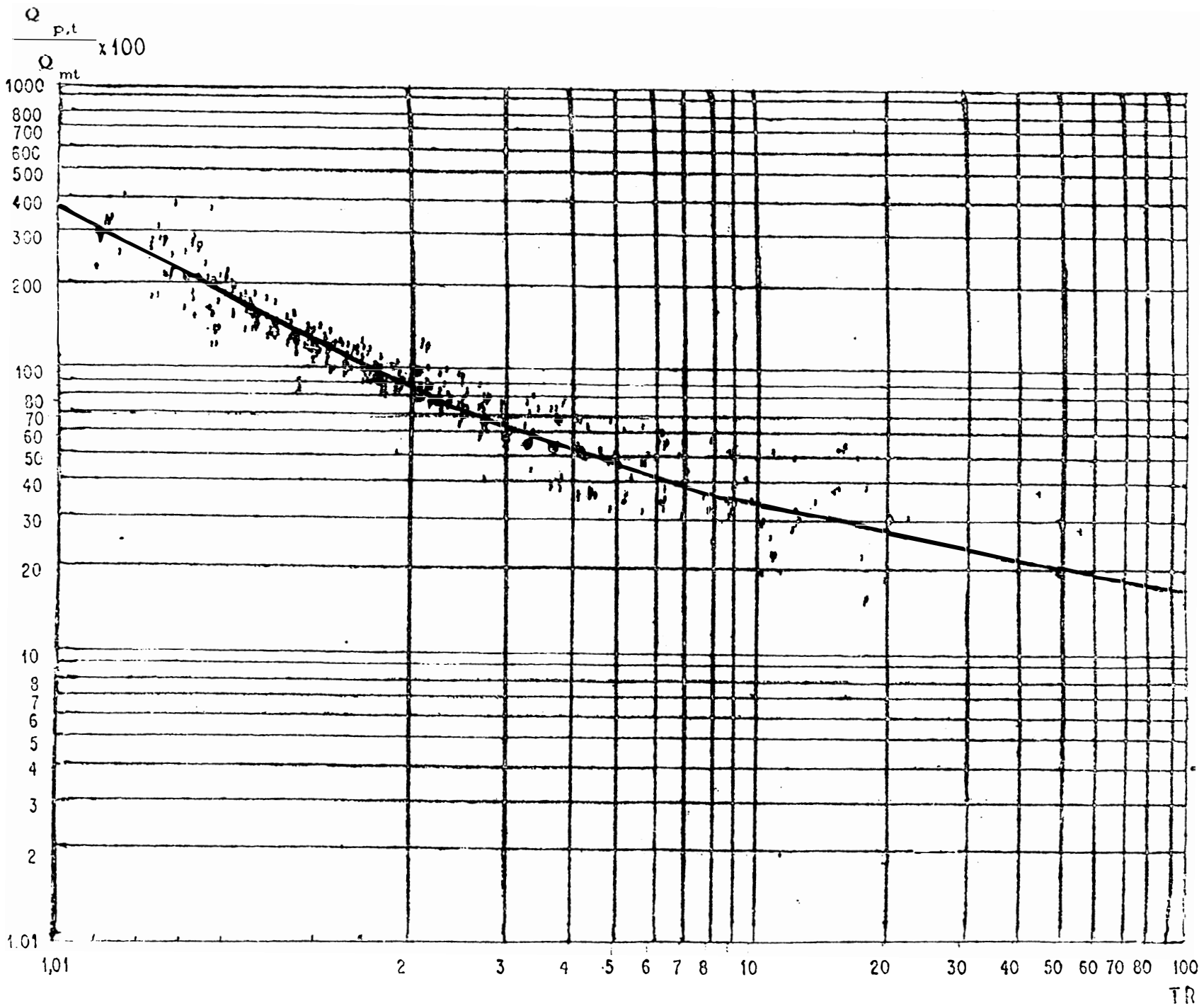
02 - 15



Região A16

DE - 16





Região A1B

02 - 18

**ANEXO D3 - Variáveis utilizadas na regionalização e vazões
calculadas**

REGIAO R1

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
1	70100000	DESPRAIADO - RIO PELOTAS	1	526.5	1754	55.0	6.73	86	1.88	1.10
1	70100000	DESPRAIADO - RIO PELOTAS	3	526.5	1754	55.0	6.73	86	2.04	1.66
1	70100000	DESPRAIADO - RIO PELOTAS	7	526.5	1754	55.0	6.73	86	2.28	2.27
1	70100000	DESPRAIADO - RIO PELOTAS	15	526.5	1754	55.0	6.73	86	2.93	3.01
1	70100000	DESPRAIADO - RIO PELOTAS	30	526.5	1754	55.0	6.73	86	4.43	3.90
1	70100000	DESPRAIADO - RIO PELOTAS	60	526.5	1754	55.0	6.73	86	5.73	5.04
1	70100000	DESPRAIADO - RIO PELOTAS	90	526.5	1754	55.0	6.73	86	7.58	5.85
1	70100000	DESPRAIADO - RIO PELOTAS	180	526.5	1754	55.0	6.73	86	13.30	7.57
1	70100000	DESPRAIADO - RIO PELOTAS	270	526.5	1754	55.0	6.73	86	14.91	8.80
1	70100000	DESPRAIADO - RIO PELOTAS	365	526.5	1754	55.0	6.73	86	17.57	9.84
2	70200000	INVERNADA VELHA - RIO PELOTAS	1	2816.4	1465	191.0	3.04	343	6.98	4.16
2	70200000	INVERNADA VELHA - RIO PELOTAS	3	2816.4	1465	191.0	3.04	343	7.52	6.26
2	70200000	INVERNADA VELHA - RIO PELOTAS	7	2816.4	1465	191.0	3.04	343	8.37	8.56
2	70200000	INVERNADA VELHA - RIO PELOTAS	15	2816.4	1465	191.0	3.04	343	9.95	11.36
2	70200000	INVERNADA VELHA - RIO PELOTAS	30	2816.4	1465	191.0	3.04	343	14.08	14.69
2	70200000	INVERNADA VELHA - RIO PELOTAS	60	2816.4	1465	191.0	3.04	343	21.88	18.99
2	70200000	INVERNADA VELHA - RIO PELOTAS	90	2816.4	1465	191.0	3.04	343	29.78	22.07
2	70200000	INVERNADA VELHA - RIO PELOTAS	180	2816.4	1465	191.0	3.04	343	48.17	28.54
2	70200000	INVERNADA VELHA - RIO PELOTAS	270	2816.4	1465	191.0	3.04	343	58.15	33.16
2	70200000	INVERNADA VELHA - RIO PELOTAS	365	2816.4	1465	191.0	3.04	343	72.61	37.09
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	1	1147.0	1462	68.0	6.45	140	2.22	1.70
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	3	1147.0	1462	68.0	6.45	140	2.27	2.55
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	7	1147.0	1462	68.0	6.45	140	2.70	3.50
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	15	1147.0	1462	68.0	6.45	140	3.45	4.64
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	30	1147.0	1462	68.0	6.45	140	4.36	5.99
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	60	1147.0	1462	68.0	6.45	140	7.44	7.75
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	90	1147.0	1462	68.0	6.45	140	10.09	9.01
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	180	1147.0	1462	68.0	6.45	140	16.79	11.65
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	270	1147.0	1462	68.0	6.45	140	21.29	13.54
3	70300000	FAZ. MINEIRA - RIO LAVA TUDO	365	1147.0	1462	68.0	6.45	140	27.01	15.14
4	70400000	USINA TOUROS - RIO DOS TOUROS	1	244.0	1467	26.5	8.14	34	0.65	0.37
4	70400000	USINA TOUROS - RIO DOS TOUROS	3	244.0	1467	26.5	8.14	34	0.66	0.55
4	70400000	USINA TOUROS - RIO DOS TOUROS	7	244.0	1467	26.5	8.14	34	0.65	0.76
4	70400000	USINA TOUROS - RIO DOS TOUROS	15	244.0	1467	26.5	8.14	34	0.68	1.00
4	70400000	USINA TOUROS - RIO DOS TOUROS	30	244.0	1467	26.5	8.14	34	0.72	1.30
4	70400000	USINA TOUROS - RIO DOS TOUROS	60	244.0	1467	26.5	8.14	34	0.87	1.68
4	70400000	USINA TOUROS - RIO DOS TOUROS	90	244.0	1467	26.5	8.14	34	1.02	1.95
4	70400000	USINA TOUROS - RIO DOS TOUROS	180	244.0	1467	26.5	8.14	34	1.64	2.52
4	70400000	USINA TOUROS - RIO DOS TOUROS	270	244.0	1467	26.5	8.14	34	2.21	2.93
4	70400000	USINA TOUROS - RIO DOS TOUROS	365	244.0	1467	26.5	8.14	34	2.79	3.27
5	70500000	COXILHA RICA - RIO PELOTINHAS	1	638.6	1508	64.0	4.26	60	1.51	1.01
5	70500000	COXILHA RICA - RIO PELOTINHAS	3	638.6	1508	64.0	4.26	60	1.59	1.51
5	70500000	COXILHA RICA - RIO PELOTINHAS	7	638.6	1508	64.0	4.26	60	1.77	2.07
5	70500000	COXILHA RICA - RIO PELOTINHAS	15	638.6	1508	64.0	4.26	60	2.05	2.75
5	70500000	COXILHA RICA - RIO PELOTINHAS	30	638.6	1508	64.0	4.26	60	2.56	3.55
5	70500000	COXILHA RICA - RIO PELOTINHAS	60	638.6	1508	64.0	4.26	60	3.54	4.59
5	70500000	COXILHA RICA - RIO PELOTINHAS	90	638.6	1508	64.0	4.26	60	4.52	5.34
5	70500000	COXILHA RICA - RIO PELOTINHAS	180	638.6	1508	64.0	4.26	60	7.78	6.90
5	70500000	COXILHA RICA - RIO PELOTINHAS	270	638.6	1508	64.0	4.26	60	10.98	8.02
5	70500000	COXILHA RICA - RIO PELOTINHAS	365	638.6	1508	64.0	4.26	60	15.66	8.97

REGIAO R1

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
6	70700000	PASSO SOCORRO - RIO PELOTAS	1	8365.0	1534	222.8	2.74	981	17.10	13.38
6	70700000	PASSO SOCORRO - RIO PELOTAS	3	8365.0	1534	222.8	2.74	981	18.15	20.11
6	70700000	PASSO SOCORRO - RIO PELOTAS	7	8365.0	1534	222.8	2.74	981	20.05	27.53
6	70700000	PASSO SOCORRO - RIO PELOTAS	15	8365.0	1534	222.8	2.74	981	25.72	36.52
6	70700000	PASSO SOCORRO - RIO PELOTAS	30	8365.0	1534	222.8	2.74	981	34.45	47.22
6	70700000	PASSO SOCORRO - RIO PELOTAS	60	8365.0	1534	222.8	2.74	981	50.70	61.06
6	70700000	PASSO SOCORRO - RIO PELOTAS	90	8365.0	1534	222.8	2.74	981	65.87	70.96
6	70700000	PASSO SOCORRO - RIO PELOTAS	180	8365.0	1534	222.8	2.74	981	110.88	91.75
6	70700000	PASSO SOCORRO - RIO PELOTAS	270	8365.0	1534	222.8	2.74	981	147.01	106.63
6	70700000	PASSO SOCORRO - RIO PELOTAS	365	8365.0	1534	222.8	2.74	981	188.00	119.23
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	1	1434.0	1752	79.5	2.03	190	2.71	2.98
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	3	1434.0	1752	79.5	2.03	190	2.86	4.48
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	7	1434.0	1752	79.5	2.03	190	3.36	6.13
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	15	1434.0	1752	79.5	2.03	190	3.70	8.13
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	30	1434.0	1752	79.5	2.03	190	4.66	10.52
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	60	1434.0	1752	79.5	2.03	190	6.51	13.60
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	90	1434.0	1752	79.5	2.03	190	9.15	15.81
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	180	1434.0	1752	79.5	2.03	190	16.40	20.44
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	270	1434.0	1752	79.5	2.03	190	23.64	23.75
19	72400000	PASSO SAO GERALDO - RIO FORQUILHA	365	1434.0	1752	79.5	2.03	190	31.46	26.56
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	1	1683.0	1769	97.5	1.79	241	3.87	3.56
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	3	1683.0	1769	97.5	1.79	241	3.93	5.35
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	7	1683.0	1769	97.5	1.79	241	4.34	7.32
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	15	1683.0	1769	97.5	1.79	241	4.98	9.71
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	30	1683.0	1769	97.5	1.79	241	6.06	12.56
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	60	1683.0	1769	97.5	1.79	241	8.81	16.24
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	90	1683.0	1769	97.5	1.79	241	11.45	18.87
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	180	1683.0	1769	97.5	1.79	241	19.76	24.40
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	270	1683.0	1769	97.5	1.79	241	26.63	28.36
20	72430000	PASSO DO GRANZOTTO - RIO FORQUILHA	365	1683.0	1769	97.5	1.79	241	39.27	31.71
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	1	1022.0	1662	75.0	5.87	108	4.50	1.93
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	3	1022.0	1662	75.0	5.87	108	4.74	2.90
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	7	1022.0	1662	75.0	5.87	108	5.08	3.97
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	15	1022.0	1662	75.0	5.87	108	5.73	5.26
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	30	1022.0	1662	75.0	5.87	108	6.68	6.80
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	60	1022.0	1662	75.0	5.87	108	8.84	8.80
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	90	1022.0	1662	75.0	5.87	108	10.88	10.22
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	180	1022.0	1662	75.0	5.87	108	16.19	13.22
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	270	1022.0	1662	75.0	5.87	108	23.36	15.36
21	72580000	PTE DO RIO TAPEJARA - RIO TAPEJARA	365	1022.0	1662	75.0	5.87	108	30.90	17.18
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	1	2783.0	1703	128.0	2.45	352	8.49	5.46
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	3	2783.0	1703	128.0	2.45	352	8.72	8.21
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	7	2783.0	1703	128.0	2.45	352	9.40	11.23
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	15	2783.0	1703	128.0	2.45	352	10.36	14.90
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	30	2783.0	1703	128.0	2.45	352	12.65	19.27
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	60	2783.0	1703	128.0	2.45	352	18.31	24.91
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	90	2783.0	1703	128.0	2.45	352	22.62	28.95
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	180	2783.0	1703	128.0	2.45	352	37.27	37.43
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	270	2783.0	1703	128.0	2.45	352	53.16	43.50
22	72630000	PASSO SANTA TEREZA - RIO LIGEIRO	365	2783.0	1703	128.0	2.45	352	70.55	48.65

REGIAO R1

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	1	3627.0	1734	160.5	1.80	470	11.23	7.35
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	3	3627.0	1734	160.5	1.80	470	11.70	11.04
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	7	3627.0	1734	160.5	1.80	470	12.53	15.12
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	15	3627.0	1734	160.5	1.80	470	14.11	20.05
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	30	3627.0	1734	160.5	1.80	470	16.86	25.93
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	60	3627.0	1734	160.5	1.80	470	23.81	33.53
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	90	3627.0	1734	160.5	1.80	470	28.72	38.96
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	180	3627.0	1734	160.5	1.80	470	45.43	50.38
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	270	3627.0	1734	160.5	1.80	470	65.67	58.55
23	72680000	PASSO COLOMBELLI - RIO LIGEIRO	365	3627.0	1734	160.5	1.80	470	86.81	65.47
25	72870000	BARRA DO RIO PARDO - RIO LEAO	1	454.0	1641	82.0	5.51	90	1.41	0.84
25	72870000	BARRA DO RIO PARDO - RIO LEAO	3	454.0	1641	82.0	5.51	90	1.49	1.26
25	72870000	BARRA DO RIO PARDO - RIO LEAO	7	454.0	1641	82.0	5.51	90	1.58	1.73
25	72870000	BARRA DO RIO PARDO - RIO LEAO	15	454.0	1641	82.0	5.51	90	1.73	2.29
25	72870000	BARRA DO RIO PARDO - RIO LEAO	30	454.0	1641	82.0	5.51	90	1.88	2.97
25	72870000	BARRA DO RIO PARDO - RIO LEAO	60	454.0	1641	82.0	5.51	90	3.01	3.84
25	72870000	BARRA DO RIO PARDO - RIO LEAO	90	454.0	1641	82.0	5.51	90	3.52	4.46
25	72870000	BARRA DO RIO PARDO - RIO LEAO	180	454.0	1641	82.0	5.51	90	5.99	5.76
25	72870000	BARRA DO RIO PARDO - RIO LEAO	270	454.0	1641	82.0	5.51	90	7.84	6.70
25	72870000	BARRA DO RIO PARDO - RIO LEAO	365	454.0	1641	82.0	5.51	90	11.55	7.49
29	73300000	BONITO - RIO IRANI	1	630.0	1932	84.0	5.71	27	2.61	1.58
29	73300000	BONITO - RIO IRANI	3	630.0	1932	84.0	5.71	27	2.76	2.38
29	73300000	BONITO - RIO IRANI	7	630.0	1932	84.0	5.71	27	3.02	3.26
29	73300000	BONITO - RIO IRANI	15	630.0	1932	84.0	5.71	27	3.47	4.32
29	73300000	BONITO - RIO IRANI	30	630.0	1932	84.0	5.71	27	4.36	5.59
29	73300000	BONITO - RIO IRANI	60	630.0	1932	84.0	5.71	27	6.28	7.22
29	73300000	BONITO - RIO IRANI	90	630.0	1932	84.0	5.71	27	7.64	8.39
29	73300000	BONITO - RIO IRANI	180	630.0	1932	84.0	5.71	27	11.88	10.85
29	73300000	BONITO - RIO IRANI	270	630.0	1932	84.0	5.71	27	15.88	12.61
29	73300000	BONITO - RIO IRANI	365	630.0	1932	84.0	5.71	27	19.26	14.10
30	73330000	PASSO ALTO IRANI - RIO IRANI	1	900.0	1997	120.0	4.33	32	4.17	2.40
30	73330000	PASSO ALTO IRANI - RIO IRANI	3	900.0	1997	120.0	4.33	32	4.42	3.61
30	73330000	PASSO ALTO IRANI - RIO IRANI	7	900.0	1997	120.0	4.33	32	4.85	4.94
30	73330000	PASSO ALTO IRANI - RIO IRANI	15	900.0	1997	120.0	4.33	32	5.55	6.55
30	73330000	PASSO ALTO IRANI - RIO IRANI	30	900.0	1997	120.0	4.33	32	6.80	8.47
30	73330000	PASSO ALTO IRANI - RIO IRANI	60	900.0	1997	120.0	4.33	32	9.41	10.95
30	73330000	PASSO ALTO IRANI - RIO IRANI	90	900.0	1997	120.0	4.33	32	11.48	12.73
30	73330000	PASSO ALTO IRANI - RIO IRANI	180	900.0	1997	120.0	4.33	32	17.66	16.46
30	73330000	PASSO ALTO IRANI - RIO IRANI	270	900.0	1997	120.0	4.33	32	22.85	19.13
30	73330000	PASSO ALTO IRANI - RIO IRANI	365	900.0	1997	120.0	4.33	32	27.79	21.39
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	1	1763.0	1747	106.0	1.24	171	9.63	3.64
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	3	1763.0	1747	106.0	1.24	171	9.74	5.47
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	7	1763.0	1747	106.0	1.24	171	10.13	7.49
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	15	1763.0	1747	106.0	1.24	171	10.93	9.93
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	30	1763.0	1747	106.0	1.24	171	12.58	12.84
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	60	1763.0	1747	106.0	1.24	171	15.37	16.61
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	90	1763.0	1747	106.0	1.24	171	17.19	19.30
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	180	1763.0	1747	106.0	1.24	171	22.20	24.95
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	270	1763.0	1747	106.0	1.24	171	34.53	29.00
31	73400000	JOSE BONIFACIO - RIO PASSO FUNDO	365	1763.0	1747	106.0	1.24	171	41.67	32.43

REGIAO R1

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	1	2157.0	1632	131.5	1.05	172	9.25	3.91
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	3	2157.0	1632	131.5	1.05	172	9.68	5.88
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	7	2157.0	1632	131.5	1.05	172	10.21	8.05
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	15	2157.0	1632	131.5	1.05	172	11.09	10.68
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	30	2157.0	1632	131.5	1.05	172	12.21	13.81
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	60	2157.0	1632	131.5	1.05	172	15.45	17.85
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	90	2157.0	1632	131.5	1.05	172	18.38	20.75
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	180	2157.0	1632	131.5	1.05	172	25.69	26.82
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	270	2157.0	1632	131.5	1.05	172	38.11	31.18
32	73420000	PASSO FUNDO I - RIO PASSO FUNDO	365	2157.0	1632	131.5	1.05	172	45.45	34.86
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	1	3650.0	1724	175.0	1.26	287	10.54	7.32
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	3	3650.0	1724	175.0	1.26	287	13.82	10.99
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	7	3650.0	1724	175.0	1.26	287	17.29	15.05
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	15	3650.0	1724	175.0	1.26	287	21.52	19.96
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	30	3650.0	1724	175.0	1.26	287	26.82	25.81
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	60	3650.0	1724	175.0	1.26	287	33.24	33.37
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	90	3650.0	1724	175.0	1.26	287	38.60	38.78
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	180	3650.0	1724	175.0	1.26	287	58.53	50.15
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	270	3650.0	1724	175.0	1.26	287	76.57	58.28
33	73480000	PTE RIO PASSO FUNDO - R. PASSO FUNDO	365	3650.0	1724	175.0	1.26	287	95.54	65.17
24	72810000	TANGARA - RIO DO PEIXE	1	2058.0	1641	126.4	3.31		3.96	3.77
24	72810000	TANGARA - RIO DO PEIXE	3	2058.0	1641	126.4	3.31		4.12	5.67
24	72810000	TANGARA - RIO DO PEIXE	7	2058.0	1641	126.4	3.31		4.40	7.76
24	72810000	TANGARA - RIO DO PEIXE	15	2058.0	1641	126.4	3.31		4.90	10.30
24	72810000	TANGARA - RIO DO PEIXE	30	2058.0	1641	126.4	3.31		6.44	13.31
24	72810000	TANGARA - RIO DO PEIXE	60	2058.0	1641	126.4	3.31		11.24	17.21
24	72810000	TANGARA - RIO DO PEIXE	90	2058.0	1641	126.4	3.31		16.43	20.01
24	72810000	TANGARA - RIO DO PEIXE	180	2058.0	1641	126.4	3.31		27.84	25.87
24	72810000	TANGARA - RIO DO PEIXE	270	2058.0	1641	126.4	3.31		39.34	30.06
24	72810000	TANGARA - RIO DO PEIXE	365	2058.0	1641	126.4	3.31		45.94	33.62
26	72980000	RIO URUGUAI - RIO DO PEIXE	1	5239.0	1444	224.2	3.25		8.72	7.50
26	72980000	RIO URUGUAI - RIO DO PEIXE	3	5239.0	1444	224.2	3.25		9.46	11.28
26	72980000	RIO URUGUAI - RIO DO PEIXE	7	5239.0	1444	224.2	3.25		10.65	15.44
26	72980000	RIO URUGUAI - RIO DO PEIXE	15	5239.0	1444	224.2	3.25		12.94	20.48
26	72980000	RIO URUGUAI - RIO DO PEIXE	30	5239.0	1444	224.2	3.25		17.47	26.48
26	72980000	RIO URUGUAI - RIO DO PEIXE	60	5239.0	1444	224.2	3.25		27.90	34.23
26	72980000	RIO URUGUAI - RIO DO PEIXE	90	5239.0	1444	224.2	3.25		34.89	39.79
26	72980000	RIO URUGUAI - RIO DO PEIXE	180	5239.0	1444	224.2	3.25		60.22	51.44
26	72980000	RIO URUGUAI - RIO DO PEIXE	270	5239.0	1444	224.2	3.25		85.27	59.79
26	72980000	RIO URUGUAI - RIO DO PEIXE	365	5239.0	1444	224.2	3.25		108.05	66.86

REGIAO R2

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
7	71200000	VILA CANOAS - RIO CANOAS	1	978.5	1667	105.0	1.94	82	4.74	2.46
7	71200000	VILA CANOAS - RIO CANOAS	3	978.5	1667	105.0	1.94	82	4.99	3.55
7	71200000	VILA CANOAS - RIO CANOAS	7	978.5	1667	105.0	1.94	82	5.46	4.70
7	71200000	VILA CANOAS - RIO CANOAS	15	978.5	1667	105.0	1.94	82	6.18	6.06
7	71200000	VILA CANOAS - RIO CANOAS	30	978.5	1667	105.0	1.94	82	7.84	7.64
7	71200000	VILA CANOAS - RIO CANOAS	60	978.5	1667	105.0	1.94	82	10.29	9.62
7	71200000	VILA CANOAS - RIO CANOAS	90	978.5	1667	105.0	1.94	82	13.04	11.01
7	71200000	VILA CANOAS - RIO CANOAS	180	978.5	1667	105.0	1.94	82	21.25	13.87
7	71200000	VILA CANOAS - RIO CANOAS	270	978.5	1667	105.0	1.94	82	24.62	15.88
7	71200000	VILA CANOAS - RIO CANOAS	365	978.5	1667	105.0	1.94	82	28.68	17.55
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	1	499.6	1516	50.0	4.55	46	1.23	1.22
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	3	499.6	1516	50.0	4.55	46	1.30	1.76
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	7	499.6	1516	50.0	4.55	46	1.43	2.34
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	15	499.6	1516	50.0	4.55	46	1.71	3.01
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	30	499.6	1516	50.0	4.55	46	2.30	3.80
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	60	499.6	1516	50.0	4.55	46	3.96	4.78
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	90	499.6	1516	50.0	4.55	46	5.66	5.48
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	180	499.6	1516	50.0	4.55	46	9.57	6.90
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	270	499.6	1516	50.0	4.55	46	11.79	7.90
8	71250000	PTE RIO JOAO PAULO - RIO JOAO PAULO	365	499.6	1516	50.0	4.55	46	13.14	8.73
9	71300000	RIO BONITO - RIO CANOAS	1	1971.8	1516	130.0	1.33	165	8.30	5.09
9	71300000	RIO BONITO - RIO CANOAS	3	1971.8	1516	130.0	1.33	165	8.58	7.34
9	71300000	RIO BONITO - RIO CANOAS	7	1971.8	1516	130.0	1.33	165	9.18	9.74
9	71300000	RIO BONITO - RIO CANOAS	15	1971.8	1516	130.0	1.33	165	10.29	12.55
9	71300000	RIO BONITO - RIO CANOAS	30	1971.8	1516	130.0	1.33	165	12.84	15.81
9	71300000	RIO BONITO - RIO CANOAS	60	1971.8	1516	130.0	1.33	165	17.61	19.92
9	71300000	RIO BONITO - RIO CANOAS	90	1971.8	1516	130.0	1.33	165	22.26	22.80
9	71300000	RIO BONITO - RIO CANOAS	180	1971.8	1516	130.0	1.33	165	34.89	28.73
9	71300000	RIO BONITO - RIO CANOAS	270	1971.8	1516	130.0	1.33	165	42.66	32.88
9	71300000	RIO BONITO - RIO CANOAS	365	1971.8	1516	130.0	1.33	165	48.83	36.35
10	71350000	ENCruzilhada - RIO CANOAS	1	2980.0	1489	211.0	0.47	362	13.41	7.82
10	71350000	ENCruzilhada - RIO CANOAS	3	2980.0	1489	211.0	0.47	362	13.67	11.28
10	71350000	ENCruzilhada - RIO CANOAS	7	2980.0	1489	211.0	0.47	362	14.52	14.96
10	71350000	ENCruzilhada - RIO CANOAS	15	2980.0	1489	211.0	0.47	362	16.15	19.28
10	71350000	ENCruzilhada - RIO CANOAS	30	2980.0	1489	211.0	0.47	362	19.85	24.29
10	71350000	ENCruzilhada - RIO CANOAS	60	2980.0	1489	211.0	0.47	362	26.94	30.60
10	71350000	ENCruzilhada - RIO CANOAS	90	2980.0	1489	211.0	0.47	362	34.41	35.02
10	71350000	ENCruzilhada - RIO CANOAS	180	2980.0	1489	211.0	0.47	362	55.07	44.12
10	71350000	ENCruzilhada - RIO CANOAS	270	2980.0	1489	211.0	0.47	362	68.76	50.50
10	71350000	ENCruzilhada - RIO CANOAS	365	2980.0	1489	211.0	0.47	362	81.23	55.84
11	71383000	PTE ALTA DO SUL - RIO CANOAS	1	4783.0	1484	342.5	0.28	454	19.15	12.79
11	71383000	PTE ALTA DO SUL - RIO CANOAS	3	4783.0	1484	342.5	0.28	454	19.83	18.44
11	71383000	PTE ALTA DO SUL - RIO CANOAS	7	4783.0	1484	342.5	0.28	454	20.81	24.45
11	71383000	PTE ALTA DO SUL - RIO CANOAS	15	4783.0	1484	342.5	0.28	454	22.87	31.52
11	71383000	PTE ALTA DO SUL - RIO CANOAS	30	4783.0	1484	342.5	0.28	454	27.88	39.71
11	71383000	PTE ALTA DO SUL - RIO CANOAS	60	4783.0	1484	342.5	0.28	454	38.05	50.02
11	71383000	PTE ALTA DO SUL - RIO CANOAS	90	4783.0	1484	342.5	0.28	454	49.86	57.26
11	71383000	PTE ALTA DO SUL - RIO CANOAS	180	4783.0	1484	342.5	0.28	454	77.20	72.13
11	71383000	PTE ALTA DO SUL - RIO CANOAS	270	4783.0	1484	342.5	0.28	454	98.07	82.57
11	71383000	PTE ALTA DO SUL - RIO CANOAS	365	4783.0	1484	342.5	0.28	454	112.28	91.29

REGIAO R2

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	1	41.0	1448	5.0	18.18	2	0.12	0.09
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	3	41.0	1448	5.0	18.18	2	0.13	0.13
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	7	41.0	1448	5.0	18.18	2	0.13	0.17
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	15	41.0	1448	5.0	18.18	2	0.16	0.22
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	30	41.0	1448	5.0	18.18	2	0.19	0.28
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	60	41.0	1448	5.0	18.18	2	0.24	0.36
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	90	41.0	1448	5.0	18.18	2	0.30	0.41
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	180	41.0	1448	5.0	18.18	2	0.45	0.51
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	270	41.0	1448	5.0	18.18	2	0.62	0.59
12	71385000	PTE DO RIO ANTINHAS - RIO ANTINHAS	365	41.0	1448	5.0	18.18	2	0.71	0.65
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	1	374.0	1465	52.5	3.88	15	1.33	0.91
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	3	374.0	1465	52.5	3.88	15	1.41	1.31
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	7	374.0	1465	52.5	3.88	15	1.53	1.73
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	15	374.0	1465	52.5	3.88	15	1.72	2.23
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	30	374.0	1465	52.5	3.88	15	2.30	2.81
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	60	374.0	1465	52.5	3.88	15	3.34	3.54
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	90	374.0	1465	52.5	3.88	15	4.28	4.05
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	180	374.0	1465	52.5	3.88	15	6.72	5.11
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	270	374.0	1465	52.5	3.88	15	8.84	5.84
13	71490000	PONTE MAROMBAS - RIO MAROMBAS	365	374.0	1465	52.5	3.88	15	10.05	6.46
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	1	643.0	1474	64.5	4.27	23	2.26	1.59
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	3	643.0	1474	64.5	4.27	23	2.58	2.29
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	7	643.0	1474	64.5	4.27	23	2.84	3.04
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	15	643.0	1474	64.5	4.27	23	3.39	3.92
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	30	643.0	1474	64.5	4.27	23	3.93	4.94
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	60	643.0	1474	64.5	4.27	23	5.29	6.22
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	90	643.0	1474	64.5	4.27	23	6.43	7.12
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	180	643.0	1474	64.5	4.27	23	9.31	8.97
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	270	643.0	1474	64.5	4.27	23	11.37	10.26
14	71496000	PTE DO RIO CORRENTES - RIO CORRENTES	365	643.0	1474	64.5	4.27	23	12.12	11.35
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	1	3722.0	1459	113.5	2.31	162	12.87	9.85
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	3	3722.0	1459	113.5	2.31	162	13.49	14.21
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	7	3722.0	1459	113.5	2.31	162	14.63	18.84
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	15	3722.0	1459	113.5	2.31	162	16.46	24.29
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	30	3722.0	1459	113.5	2.31	162	19.93	30.60
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	60	3722.0	1459	113.5	2.31	162	26.41	38.55
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	90	3722.0	1459	113.5	2.31	162	32.83	44.12
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	180	3722.0	1459	113.5	2.31	162	48.97	55.59
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	270	3722.0	1459	113.5	2.31	162	63.69	63.62
15	71498000	PASSO MAROMBAS - RIO MAROMBAS	365	3722.0	1459	113.5	2.31	162	75.94	70.35
16	71550000	PASSO CARU - RIO CANOAS	1	10071.0	1488	461.5	0.46	705	41.06	27.72
16	71550000	PASSO CARU - RIO CANOAS	3	10071.0	1488	461.5	0.46	705	43.04	39.97
16	71550000	PASSO CARU - RIO CANOAS	7	10071.0	1488	461.5	0.46	705	45.31	53.00
16	71550000	PASSO CARU - RIO CANOAS	15	10071.0	1488	461.5	0.46	705	50.35	68.33
16	71550000	PASSO CARU - RIO CANOAS	30	10071.0	1488	461.5	0.46	705	60.37	86.08
16	71550000	PASSO CARU - RIO CANOAS	60	10071.0	1488	461.5	0.46	705	80.99	108.44
16	71550000	PASSO CARU - RIO CANOAS	90	10071.0	1488	461.5	0.46	705	101.75	124.12
16	71550000	PASSO CARU - RIO CANOAS	180	10071.0	1488	461.5	0.46	705	152.42	156.36
16	71550000	PASSO CARU - RIO CANOAS	270	10071.0	1488	461.5	0.46	705	197.18	178.98
16	71550000	PASSO CARU - RIO CANOAS	365	10071.0	1488	461.5	0.46	705	238.61	197.89

REGIAO R2

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
17	71800000	COLONIA SANTANA - RIO CANOAS	1	13225.0	1489	520.0	0.50	888	55.44	36.79
17	71800000	COLONIA SANTANA - RIO CANOAS	3	13225.0	1489	520.0	0.50	888	57.27	53.05
17	71800000	COLONIA SANTANA - RIO CANOAS	7	13225.0	1489	520.0	0.50	888	60.88	70.35
17	71800000	COLONIA SANTANA - RIO CANOAS	15	13225.0	1489	520.0	0.50	888	66.47	90.68
17	71800000	COLONIA SANTANA - RIO CANOAS	30	13225.0	1489	520.0	0.50	888	79.33	114.24
17	71800000	COLONIA SANTANA - RIO CANOAS	60	13225.0	1489	520.0	0.50	888	102.16	143.92
17	71800000	COLONIA SANTANA - RIO CANOAS	90	13225.0	1489	520.0	0.50	888	127.95	164.73
17	71800000	COLONIA SANTANA - RIO CANOAS	180	13225.0	1489	520.0	0.50	888	196.73	207.53
17	71800000	COLONIA SANTANA - RIO CANOAS	270	13225.0	1489	520.0	0.50	888	246.05	237.54
17	71800000	COLONIA SANTANA - RIO CANOAS	365	13225.0	1489	520.0	0.50	888	305.52	262.64

REGIAO R3

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONPL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
34	73550000	PASSO CAXAMBU - RIO URUGUAI	1	52671.0	1509	711.0	1.32	1580	192.58	120.61
34	73550000	PASSO CAXAMBU - RIO URUGUAI	3	52671.0	1509	711.0	1.32	1580	201.52	178.12
34	73550000	PASSO CAXAMBU - RIO URUGUAI	7	52671.0	1509	711.0	1.32	1580	210.50	240.62
34	73550000	PASSO CAXAMBU - RIO URUGUAI	15	52671.0	1509	711.0	1.32	1580	230.21	315.36
34	73550000	PASSO CAXAMBU - RIO URUGUAI	30	52671.0	1509	711.0	1.32	1580	278.33	403.33
34	73550000	PASSO CAXAMBU - RIO URUGUAI	60	52671.0	1509	711.0	1.32	1580	384.06	515.83
34	73550000	PASSO CAXAMBU - RIO URUGUAI	90	52671.0	1509	711.0	1.32	1580	454.83	595.68
34	73550000	PASSO CAXAMBU - RIO URUGUAI	180	52671.0	1509	711.0	1.32	1580	693.79	761.83
34	73550000	PASSO CAXAMBU - RIO URUGUAI	270	52671.0	1509	711.0	1.32	1580	940.78	879.76
34	73550000	PASSO CAXAMBU - RIO URUGUAI	365	52671.0	1509	711.0	1.32	1580	1180.25	979.12
43	74100000	IRAI - RIO URUGUAI	1	62199.0	1837	800.0	1.03	1850	218.46	143.13
43	74100000	IRAI - RIO URUGUAI	3	62199.0	1837	800.0	1.03	1850	225.55	211.40
43	74100000	IRAI - RIO URUGUAI	7	62199.0	1837	800.0	1.03	1850	237.96	285.57
43	74100000	IRAI - RIO URUGUAI	15	62199.0	1837	800.0	1.03	1850	262.19	374.28
43	74100000	IRAI - RIO URUGUAI	30	62199.0	1837	800.0	1.03	1850	322.44	478.67
43	74100000	IRAI - RIO URUGUAI	60	62199.0	1837	800.0	1.03	1850	449.18	612.19
43	74100000	IRAI - RIO URUGUAI	90	62199.0	1837	800.0	1.03	1850	520.00	706.95
43	74100000	IRAI - RIO URUGUAI	180	62199.0	1837	800.0	1.03	1850	781.44	904.15
43	74100000	IRAI - RIO URUGUAI	270	62199.0	1837	800.0	1.03	1850	1144.48	1044.10
43	74100000	IRAI - RIO URUGUAI	365	62199.0	1837	800.0	1.03	1850	1401.50	1162.02
39	73765000	PASSO QUILOMBO - RIO DO OURO	1	257.5	1969	35.0	6.84	2	0.08	0.50
39	73765000	PASSO QUILOMBO - RIO DO OURO	3	257.5	1969	35.0	6.84	2	0.10	0.74
39	73765000	PASSO QUILOMBO - RIO DO OURO	7	257.5	1969	35.0	6.84	2	0.13	1.00
39	73765000	PASSO QUILOMBO - RIO DO OURO	15	257.5	1969	35.0	6.84	2	0.21	1.31
39	73765000	PASSO QUILOMBO - RIO DO OURO	30	257.5	1969	35.0	6.84	2	0.43	1.68
39	73765000	PASSO QUILOMBO - RIO DO OURO	60	257.5	1969	35.0	6.84	2	1.00	2.15
39	73765000	PASSO QUILOMBO - RIO DO OURO	90	257.5	1969	35.0	6.84	2	1.56	2.48
39	73765000	PASSO QUILOMBO - RIO DO OURO	180	257.5	1969	35.0	6.84	2	3.38	3.17
39	73765000	PASSO QUILOMBO - RIO DO OURO	270	257.5	1969	35.0	6.84	2	5.40	3.67
39	73765000	PASSO QUILOMBO - RIO DO OURO	365	257.5	1969	35.0	6.84	2	8.53	4.08
41	73900000	SAUDADES - RIO SAUDADES	1	445.0	1724	40.0	7.58	18	1.36	0.88
41	73900000	SAUDADES - RIO SAUDADES	3	445.0	1724	40.0	7.58	18	1.29	1.30
41	73900000	SAUDADES - RIO SAUDADES	7	445.0	1724	40.0	7.58	18	1.36	1.76
41	73900000	SAUDADES - RIO SAUDADES	15	445.0	1724	40.0	7.58	18	1.51	2.31
41	73900000	SAUDADES - RIO SAUDADES	30	445.0	1724	40.0	7.58	18	1.95	2.95
41	73900000	SAUDADES - RIO SAUDADES	60	445.0	1724	40.0	7.58	18	2.87	3.78
41	73900000	SAUDADES - RIO SAUDADES	90	445.0	1724	40.0	7.58	18	3.82	4.36
41	73900000	SAUDADES - RIO SAUDADES	180	445.0	1724	40.0	7.58	18	6.35	5.58
41	73900000	SAUDADES - RIO SAUDADES	270	445.0	1724	40.0	7.58	18	9.03	6.44
41	73900000	SAUDADES - RIO SAUDADES	365	445.0	1724	40.0	7.58	18	11.88	7.17
44	74205000	LINHA CESSON - CATURETE	1	442	1711	42.5	5.1	11	1.07	0.88
44	74205000	LINHA CESSON - CATURETE	3	442	1711	42.5	5.1	11	1.14	1.29
44	74205000	LINHA CESSON - CATURETE	7	442	1711	42.5	5.1	11	1.26	1.75
44	74205000	LINHA CESSON - CATURETE	15	442	1711	42.5	5.1	11	1.41	2.29
44	74205000	LINHA CESSON - CATURETE	30	442	1711	42.5	5.1	11	1.74	2.93
44	74205000	LINHA CESSON - CATURETE	60	442	1711	42.5	5.1	11	2.48	3.75
44	74205000	LINHA CESSON - CATURETE	90	442	1711	42.5	5.1	11	3.13	4.33
44	74205000	LINHA CESSON - CATURETE	180	442	1711	42.5	5.1	11	5.43	5.54
44	74205000	LINHA CESSON - CATURETE	270	442	1711	42.5	5.1	11	7.70	6.40
44	74205000	LINHA CESSON - CATURETE	365	442	1711	42.5	5.1	11	10.56	7.12

REGIAO R3

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	1	5298	1674	343.5	0.9	222	15.74	11.32
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	3	5298	1674	343.5	0.9	222	16.29	16.72
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	7	5298	1674	343.5	0.9	222	17.26	22.59
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	15	5298	1674	343.5	0.9	222	19.12	29.61
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	30	5298	1674	343.5	0.9	222	22.34	37.87
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	60	5298	1674	343.5	0.9	222	31.10	48.43
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	90	5298	1674	343.5	0.9	222	37.85	55.93
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	180	5298	1674	343.5	0.9	222	63.88	71.52
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	270	5298	1674	343.5	0.9	222	99.43	82.60
45	174270000	PASSO RIO DA VARZEA - RIO DA VARZEA	365	5298	1674	343.5	0.9	222	135.02	91.92
46	174295000	LINHA JATAI - RIO IRACEMA	1	328	1724	68.5	5.05	3	0.29	0.64
46	174295000	LINHA JATAI - RIO IRACEMA	3	328	1724	68.5	5.05	3	0.32	0.95
46	174295000	LINHA JATAI - RIO IRACEMA	7	328	1724	68.5	5.05	3	0.37	1.29
46	174295000	LINHA JATAI - RIO IRACEMA	15	328	1724	68.5	5.05	3	0.44	1.69
46	174295000	LINHA JATAI - RIO IRACEMA	30	328	1724	68.5	5.05	3	0.98	2.16
46	174295000	LINHA JATAI - RIO IRACEMA	60	328	1724	68.5	5.05	3	1.80	2.76
46	174295000	LINHA JATAI - RIO IRACEMA	90	328	1724	68.5	5.05	3	2.65	3.18
46	174295000	LINHA JATAI - RIO IRACEMA	180	328	1724	68.5	5.05	3	4.69	4.07
46	174295000	LINHA JATAI - RIO IRACEMA	270	328	1724	68.5	5.05	3	7.81	4.70
46	174295000	LINHA JATAI - RIO IRACEMA	365	328	1724	68.5	5.05	3	9.34	5.24
47	174310000	LINHA POLACA - RIO DAS ANTAS	1	902.0	1851	78.5	4.60	25	5.16	1.83
47	174310000	LINHA POLACA - RIO DAS ANTAS	3	902.0	1851	78.5	4.60	25	5.30	2.70
47	174310000	LINHA POLACA - RIO DAS ANTAS	7	902.0	1851	78.5	4.60	25	6.34	3.65
47	174310000	LINHA POLACA - RIO DAS ANTAS	15	902.0	1851	78.5	4.60	25	6.83	4.78
47	174310000	LINHA POLACA - RIO DAS ANTAS	30	902.0	1851	78.5	4.60	25	7.88	6.11
47	174310000	LINHA POLACA - RIO DAS ANTAS	60	902.0	1851	78.5	4.60	25	11.43	7.82
47	174310000	LINHA POLACA - RIO DAS ANTAS	90	902.0	1851	78.5	4.60	25	13.02	9.03
47	174310000	LINHA POLACA - RIO DAS ANTAS	180	902.0	1851	78.5	4.60	25	17.85	11.55
47	174310000	LINHA POLACA - RIO DAS ANTAS	270	902.0	1851	78.5	4.60	25	24.11	13.33
47	174310000	LINHA POLACA - RIO DAS ANTAS	365	902.0	1851	78.5	4.60	25	30.96	14.84
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	1	604.0	1851	62.5	9.96	19	1.29	1.21
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	3	604.0	1851	62.5	9.96	19	1.35	1.79
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	7	604.0	1851	62.5	9.96	19	1.47	2.41
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	15	604.0	1851	62.5	9.96	19	1.75	3.16
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	30	604.0	1851	62.5	9.96	19	2.33	4.04
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	60	604.0	1851	62.5	9.96	19	4.14	5.17
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	90	604.0	1851	62.5	9.96	19	5.52	5.97
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	180	604.0	1851	62.5	9.96	19	9.38	7.64
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	270	604.0	1851	62.5	9.96	19	13.40	8.82
48	174320000	PTE DO RIO SARGENTO - RIO SARGENTO	365	604.0	1851	62.5	9.96	19	16.88	9.82
49	174370000	PALMITINHO - RIO GUARITA	1	2008.0	1775	158.5	2.54	53	12.07	4.17
49	174370000	PALMITINHO - RIO GUARITA	3	2008.0	1775	158.5	2.54	53	12.50	6.16
49	174370000	PALMITINHO - RIO GUARITA	7	2008.0	1775	158.5	2.54	53	13.01	8.32
49	174370000	PALMITINHO - RIO GUARITA	15	2008.0	1775	158.5	2.54	53	14.12	10.90
49	174370000	PALMITINHO - RIO GUARITA	30	2008.0	1775	158.5	2.54	53	15.60	13.94
49	174370000	PALMITINHO - RIO GUARITA	60	2008.0	1775	158.5	2.54	53	19.00	17.83
49	174370000	PALMITINHO - RIO GUARITA	90	2008.0	1775	158.5	2.54	53	23.32	20.59
49	174370000	PALMITINHO - RIO GUARITA	180	2008.0	1775	158.5	2.54	53	34.40	26.33
49	174370000	PALMITINHO - RIO GUARITA	270	2008.0	1775	158.5	2.54	53	42.07	30.41
49	174370000	PALMITINHO - RIO GUARITA	365	2008.0	1775	158.5	2.54	53	58.67	33.84

REGIAO R3

CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
50 174460000	PTE DO RIO TURVO - RIO TURVO	1	536.0	1723	195.0	0.47	15	3.28	1.07
50 174460000	PTE DO RIO TURVO - RIO TURVO	3	536.0	1723	195.0	0.47	15	3.30	1.58
50 174460000	PTE DO RIO TURVO - RIO TURVO	7	536.0	1723	195.0	0.47	15	3.44	2.13
50 174460000	PTE DO RIO TURVO - RIO TURVO	15	536.0	1723	195.0	0.47	15	3.81	2.80
50 174460000	PTE DO RIO TURVO - RIO TURVO	30	536.0	1723	195.0	0.47	15	4.35	3.58
50 174460000	PTE DO RIO TURVO - RIO TURVO	60	536.0	1723	195.0	0.47	15	4.94	4.57
50 174460000	PTE DO RIO TURVO - RIO TURVO	90	536.0	1723	195.0	0.47	15	5.61	5.28
50 174460000	PTE DO RIO TURVO - RIO TURVO	180	536.0	1723	195.0	0.47	15	8.45	6.76
50 174460000	PTE DO RIO TURVO - RIO TURVO	270	536.0	1723	195.0	0.47	15	12.24	7.80
50 174460000	PTE DO RIO TURVO - RIO TURVO	365	536.0	1723	195.0	0.47	15	14.14	8.68
51 174470000	TRES PASSOS - RIO TURVO	1	1545.0	1725	292.5	0.98	44	7.21	3.18
51 174470000	TRES PASSOS - RIO TURVO	3	1545.0	1725	292.5	0.98	44	7.45	4.70
51 174470000	TRES PASSOS - RIO TURVO	7	1545.0	1725	292.5	0.98	44	7.76	6.35
51 174470000	TRES PASSOS - RIO TURVO	15	1545.0	1725	292.5	0.98	44	9.45	8.32
51 174470000	TRES PASSOS - RIO TURVO	30	1545.0	1725	292.5	0.98	44	9.77	10.64
51 174470000	TRES PASSOS - RIO TURVO	60	1545.0	1725	292.5	0.98	44	11.87	13.61
51 174470000	TRES PASSOS - RIO TURVO	90	1545.0	1725	292.5	0.98	44	14.56	15.72
51 174470000	TRES PASSOS - RIO TURVO	180	1545.0	1725	292.5	0.98	44	22.61	20.10
51 174470000	TRES PASSOS - RIO TURVO	270	1545.0	1725	292.5	0.98	44	30.66	23.21
51 174470000	TRES PASSOS - RIO TURVO	365	1545.0	1725	292.5	0.98	44	39.70	25.83
52 174600000	CASCATA BURICA - RIO BURICA	1	2201.0	1722	151.5	1.74	113	5.61	4.58
52 174600000	CASCATA BURICA - RIO BURICA	3	2201.0	1722	151.5	1.74	113	6.04	6.77
52 174600000	CASCATA BURICA - RIO BURICA	7	2201.0	1722	151.5	1.74	113	6.55	9.14
52 174600000	CASCATA BURICA - RIO BURICA	15	2201.0	1722	151.5	1.74	113	7.68	11.98
52 174600000	CASCATA BURICA - RIO BURICA	30	2201.0	1722	151.5	1.74	113	9.09	15.32
52 174600000	CASCATA BURICA - RIO BURICA	60	2201.0	1722	151.5	1.74	113	12.43	19.60
52 174600000	CASCATA BURICA - RIO BURICA	90	2201.0	1722	151.5	1.74	113	15.42	22.63
52 174600000	CASCATA BURICA - RIO BURICA	180	2201.0	1722	151.5	1.74	113	25.88	28.94
52 174600000	CASCATA BURICA - RIO BURICA	270	2201.0	1722	151.5	1.74	113	33.89	33.42
52 174600000	CASCATA BURICA - RIO BURICA	365	2201.0	1722	151.5	1.74	113	49.83	37.20
53 174700000	TUCUNDUVA - RIO SANTA ROSA	1	1113.0	1451	116.0	1.38	56	3.94	2.27
53 174700000	TUCUNDUVA - RIO SANTA ROSA	3	1113.0	1451	116.0	1.38	56	4.15	3.35
53 174700000	TUCUNDUVA - RIO SANTA ROSA	7	1113.0	1451	116.0	1.38	56	4.63	4.53
53 174700000	TUCUNDUVA - RIO SANTA ROSA	15	1113.0	1451	116.0	1.38	56	5.28	5.94
53 174700000	TUCUNDUVA - RIO SANTA ROSA	30	1113.0	1451	116.0	1.38	56	6.26	7.59
53 174700000	TUCUNDUVA - RIO SANTA ROSA	60	1113.0	1451	116.0	1.38	56	8.09	9.71
53 174700000	TUCUNDUVA - RIO SANTA ROSA	90	1113.0	1451	116.0	1.38	56	9.49	11.21
53 174700000	TUCUNDUVA - RIO SANTA ROSA	180	1113.0	1451	116.0	1.38	56	14.49	14.34
53 174700000	TUCUNDUVA - RIO SANTA ROSA	270	1113.0	1451	116.0	1.38	56	19.96	16.56
53 174700000	TUCUNDUVA - RIO SANTA ROSA	365	1113.0	1451	116.0	1.38	56	24.71	18.43
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	1	355.0	1395	40.0	3.93	16	1.27	0.70
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	3	355.0	1395	40.0	3.93	16	1.33	1.03
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	7	355.0	1395	40.0	3.93	16	1.45	1.40
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	15	355.0	1395	40.0	3.93	16	1.64	1.83
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	30	355.0	1395	40.0	3.93	16	1.96	2.34
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	60	355.0	1395	40.0	3.93	16	2.39	2.99
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	90	355.0	1395	40.0	3.93	16	2.94	3.46
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	180	355.0	1395	40.0	3.93	16	4.72	4.42
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	270	355.0	1395	40.0	3.93	16	6.18	5.10
54 174750000	LINHA CASCATA - RIO SANTO CRISTO	365	355.0	1395	40.0	3.93	16	7.75	5.85

REGIAO RS

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO	AREA DA BACIA	PRECIPIT ANUAL	COMPR TALV	DECLIV TALV	NUMERO CONEL	VAZAO MINIMA	VAZAO CALCULADA
			dias	km2	mm	km	m/km	No	m3/s	m3/s
55	74880000	PASSO SAO JOAO - RIO COMANDAI	1	822.0	1684	106.0	1.83	64	2.40	1.66
55	74880000	PASSO SAO JOAO - RIO COMANDAI	3	822.0	1684	106.0	1.83	64	2.48	2.45
55	74880000	PASSO SAO JOAO - RIO COMANDAI	7	822.0	1684	106.0	1.83	64	2.62	3.31
55	74880000	PASSO SAO JOAO - RIO COMANDAI	15	822.0	1684	106.0	1.83	64	2.98	4.34
55	74880000	PASSO SAO JOAO - RIO COMANDAI	30	822.0	1684	106.0	1.83	64	3.76	5.56
55	74880000	PASSO SAO JOAO - RIO COMANDAI	60	822.0	1684	106.0	1.83	64	5.03	7.11
55	74880000	PASSO SAO JOAO - RIO COMANDAI	90	822.0	1684	106.0	1.83	64	6.48	8.20
55	74880000	PASSO SAO JOAO - RIO COMANDAI	180	822.0	1684	106.0	1.83	64	10.58	10.49
55	74880000	PASSO SAO JOAO - RIO COMANDAI	270	822.0	1684	106.0	1.83	64	15.31	12.12
55	74880000	PASSO SAO JOAO - RIO COMANDAI	365	822.0	1684	106.0	1.83	64	19.53	13.49
56	74900000	LINHA UNIAO - RIO COMANDAI	1	1240.0	1690	154.5	1.42	100	3.65	2.54
56	74900000	LINHA UNIAO - RIO COMANDAI	3	1240.0	1690	154.5	1.42	100	3.81	3.75
56	74900000	LINHA UNIAO - RIO COMANDAI	7	1240.0	1690	154.5	1.42	100	4.05	5.06
56	74900000	LINHA UNIAO - RIO COMANDAI	15	1240.0	1690	154.5	1.42	100	4.66	6.63
56	74900000	LINHA UNIAO - RIO COMANDAI	30	1240.0	1690	154.5	1.42	100	5.47	8.48
56	74900000	LINHA UNIAO - RIO COMANDAI	60	1240.0	1690	154.5	1.42	100	7.21	10.85
56	74900000	LINHA UNIAO - RIO COMANDAI	90	1240.0	1690	154.5	1.42	100	10.10	12.53
56	74900000	LINHA UNIAO - RIO COMANDAI	180	1240.0	1690	154.5	1.42	100	19.56	16.03
56	74900000	LINHA UNIAO - RIO COMANDAI	270	1240.0	1690	154.5	1.42	100	27.24	18.51
56	74900000	LINHA UNIAO - RIO COMANDAI	365	1240.0	1690	154.5	1.42	100	35.63	20.60
57	75155000	PASSO FAXINAL - RIO IJUUI	1	1951.0	1758	93.0	2.17	113	9.14	4.05
57	75155000	PASSO FAXINAL - RIO IJUUI	3	1951.0	1758	93.0	2.17	113	9.28	5.98
57	75155000	PASSO FAXINAL - RIO IJUUI	7	1951.0	1758	93.0	2.17	113	9.70	8.07
57	75155000	PASSO FAXINAL - RIO IJUUI	15	1951.0	1758	93.0	2.17	113	10.67	10.58
57	75155000	PASSO FAXINAL - RIO IJUUI	30	1951.0	1758	93.0	2.17	113	12.67	13.53
57	75155000	PASSO FAXINAL - RIO IJUUI	60	1951.0	1758	93.0	2.17	113	15.45	17.31
57	75155000	PASSO FAXINAL - RIO IJUUI	90	1951.0	1758	93.0	2.17	113	18.00	19.99
57	75155000	PASSO FAXINAL - RIO IJUUI	180	1951.0	1758	93.0	2.17	113	26.00	25.56
57	75155000	PASSO FAXINAL - RIO IJUUI	270	1951.0	1758	93.0	2.17	113	37.13	29.52
57	75155000	PASSO FAXINAL - RIO IJUUI	365	1951.0	1758	93.0	2.17	113	45.69	32.85
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	1	593.0	1729	66.5	1.64	79	3.61	1.19
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	3	593.0	1729	66.5	1.64	79	3.81	1.75
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	7	593.0	1729	66.5	1.64	79	4.08	2.37
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	15	593.0	1729	66.5	1.64	79	4.41	3.10
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	30	593.0	1729	66.5	1.64	79	4.71	3.97
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	60	593.0	1729	66.5	1.64	79	5.52	5.08
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	90	593.0	1729	66.5	1.64	79	6.10	5.86
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	180	593.0	1729	66.5	1.64	79	8.44	7.50
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	270	593.0	1729	66.5	1.64	79	11.42	8.66
58	75185000	PTE NOVA DO POTIRIBU - RIO POTIRIBU	365	593.0	1729	66.5	1.64	79	14.06	9.63
59	75200000	CONCEICAO - RIO CONCEICAO	1	609.0	1729	68.0	1.95	158	3.27	1.22
59	75200000	CONCEICAO - RIO CONCEICAO	3	609.0	1729	68.0	1.95	158	3.41	1.80
59	75200000	CONCEICAO - RIO CONCEICAO	7	609.0	1729	68.0	1.95	158	3.65	2.43
59	75200000	CONCEICAO - RIO CONCEICAO	15	609.0	1729	68.0	1.95	158	4.14	3.19
59	75200000	CONCEICAO - RIO CONCEICAO	30	609.0	1729	68.0	1.95	158	5.02	4.08
59	75200000	CONCEICAO - RIO CONCEICAO	60	609.0	1729	68.0	1.95	158	6.44	5.22
59	75200000	CONCEICAO - RIO CONCEICAO	90	609.0	1729	68.0	1.95	158	7.81	6.02
59	75200000	CONCEICAO - RIO CONCEICAO	180	609.0	1729	68.0	1.95	158	11.05	7.70
59	75200000	CONCEICAO - RIO CONCEICAO	270	609.0	1729	68.0	1.95	158	15.41	8.90
59	75200000	CONCEICAO - RIO CONCEICAO	365	609.0	1729	68.0	1.95	158	18.93	9.90

REGIAO R3

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO R CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	1	784.0	1729	75.0	1.83	172	5.61	1.58
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	3	784.0	1729	75.0	1.83	172	5.61	2.34
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	7	784.0	1729	75.0	1.83	172	5.75	3.16
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	15	784.0	1729	75.0	1.83	172	6.05	4.14
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	30	784.0	1729	75.0	1.83	172	6.64	5.29
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	60	784.0	1729	75.0	1.83	172	7.55	6.77
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	90	784.0	1729	75.0	1.83	172	8.15	7.81
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	180	784.0	1729	75.0	1.83	172	12.62	9.99
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	270	784.0	1729	75.0	1.83	172	17.55	11.54
60	75205000	PTE NOVA DO CONCEICAO - R. CONCEICAO	365	784.0	1729	75.0	1.83	172	19.98	12.84
61	75230000	SANTO ANGELO - RIO IJUI	1	5050.0	1714	233.0	1.07	453	23.16	10.78
61	75230000	SANTO ANGELO - RIO IJUI	3	5050.0	1714	233.0	1.07	453	23.88	15.92
61	75230000	SANTO ANGELO - RIO IJUI	7	5050.0	1714	233.0	1.07	453	25.13	21.50
61	75230000	SANTO ANGELO - RIO IJUI	15	5050.0	1714	233.0	1.07	453	27.64	28.18
61	75230000	SANTO ANGELO - RIO IJUI	30	5050.0	1714	233.0	1.07	453	32.34	36.04
61	75230000	SANTO ANGELO - RIO IJUI	60	5050.0	1714	233.0	1.07	453	38.63	46.10
61	75230000	SANTO ANGELO - RIO IJUI	90	5050.0	1714	233.0	1.07	453	44.76	53.23
61	75230000	SANTO ANGELO - RIO IJUI	180	5050.0	1714	233.0	1.07	453	63.25	68.08
61	75230000	SANTO ANGELO - RIO IJUI	270	5050.0	1714	233.0	1.07	453	91.07	78.62
61	75230000	SANTO ANGELO - RIO IJUI	365	5050.0	1714	233.0	1.07	453	114.64	87.50
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	1	867.0	1729	57.5	1.14	206	4.09	1.75
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	3	867.0	1729	57.5	1.14	206	4.19	2.59
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	7	867.0	1729	57.5	1.14	206	4.47	3.50
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	15	867.0	1729	57.5	1.14	206	4.93	4.59
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	30	867.0	1729	57.5	1.14	206	5.82	5.87
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	60	867.0	1729	57.5	1.14	206	8.46	7.51
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	90	867.0	1729	57.5	1.14	206	9.77	8.67
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	180	867.0	1729	57.5	1.14	206	12.89	11.09
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	270	867.0	1729	57.5	1.14	206	17.03	12.80
62	75270000	PONTE QUEIMADA - RIO IJUIZINHO	365	867.0	1729	57.5	1.14	206	25.78	14.25
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	1	2005.0	1632	158.0	1.25	348	5.22	4.16
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	3	2005.0	1632	158.0	1.25	348	6.12	6.15
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	7	2005.0	1632	158.0	1.25	348	7.10	8.30
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	15	2005.0	1632	158.0	1.25	348	8.62	10.88
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	30	2005.0	1632	158.0	1.25	348	9.89	13.92
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	60	2005.0	1632	158.0	1.25	348	13.34	17.80
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	90	2005.0	1632	158.0	1.25	348	15.59	20.56
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	180	2005.0	1632	158.0	1.25	348	25.09	26.29
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	270	2005.0	1632	158.0	1.25	348	39.47	30.36
63	75295000	COLONIA MOUSQUER - RIO IJUIZINHO	365	2005.0	1632	158.0	1.25	348	47.27	33.79
64	75320000	PONTE MISTICA - RIO IJUI	1	9030.0	1700	358.5	0.75	937	35.74	19.61
64	75320000	PONTE MISTICA - RIO IJUI	3	9030.0	1700	358.5	0.75	937	36.85	28.96
64	75320000	PONTE MISTICA - RIO IJUI	7	9030.0	1700	358.5	0.75	937	38.34	39.12
64	75320000	PONTE MISTICA - RIO IJUI	15	9030.0	1700	358.5	0.75	937	42.59	51.28
64	75320000	PONTE MISTICA - RIO IJUI	30	9030.0	1700	358.5	0.75	937	48.23	65.58
64	75320000	PONTE MISTICA - RIO IJUI	60	9030.0	1700	358.5	0.75	937	61.95	83.88
64	75320000	PONTE MISTICA - RIO IJUI	90	9030.0	1700	358.5	0.75	937	75.49	96.86
64	75320000	PONTE MISTICA - RIO IJUI	180	9030.0	1700	358.5	0.75	937	113.61	123.88
64	75320000	PONTE MISTICA - RIO IJUI	270	9030.0	1700	358.5	0.75	937	164.30	143.05
64	75320000	PONTE MISTICA - RIO IJUI	365	9030.0	1700	358.5	0.75	937	214.10	159.21

REGIAC R3

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO	AREA DA BACIA	PRECIPIT ANUAL	COMPR TALV	DECLIV TALV	NUMERO CONFL	VAZAO MINIMA	VAZAO CALCULADA
			dias	km2	mm	km	m/km	No	m3/s	m3/s
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	1	915.0	1604	60.0	6.15	83	2.36	1.86
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	3	915.0	1604	60.0	6.15	83	2.44	2.74
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	7	915.0	1604	60.0	6.15	83	2.63	3.70
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	15	915.0	1604	60.0	6.15	83	3.03	4.85
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	30	915.0	1604	60.0	6.15	83	3.67	6.20
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	60	915.0	1604	60.0	6.15	83	5.16	7.93
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	90	915.0	1604	60.0	6.15	83	6.47	9.16
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	180	915.0	1604	60.0	6.15	83	11.59	11.72
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	270	915.0	1604	60.0	6.15	83	16.77	13.53
65	75400000	PASSO DOS DIAS - RIO PIRATINIM	365	915.0	1604	60.0	6.15	83	22.58	15.06
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	1	3174.0	1675	162.5	0.99	270	8.84	6.68
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	3	3174.0	1675	162.5	0.99	270	9.74	9.87
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	7	3174.0	1675	162.5	0.99	270	10.27	13.33
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	15	3174.0	1675	162.5	0.99	270	11.54	17.47
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	30	3174.0	1675	162.5	0.99	270	13.73	22.34
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	60	3174.0	1675	162.5	0.99	270	19.56	28.57
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	90	3174.0	1675	162.5	0.99	270	25.62	32.99
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	180	3174.0	1675	162.5	0.99	270	41.44	42.20
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	270	3174.0	1675	162.5	0.99	270	62.19	48.73
66	75450000	PASSO SANTA MARIA - RIO PIRATINIM	365	3174.0	1675	162.5	0.99	270	79.39	54.23
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	1	5146.0	1706	286.5	0.61	417	14.57	10.99
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	3	5146.0	1706	286.5	0.61	417	14.81	16.23
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	7	5146.0	1706	286.5	0.61	417	15.18	21.92
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	15	5146.0	1706	286.5	0.61	417	16.58	28.73
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	30	5146.0	1706	286.5	0.61	417	19.98	36.75
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	60	5146.0	1706	286.5	0.61	417	27.18	47.00
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	90	5146.0	1706	286.5	0.61	417	34.99	54.27
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	180	5146.0	1706	286.5	0.61	417	56.29	69.41
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	270	5146.0	1706	286.5	0.61	417	81.88	80.16
67	75500000	PASSO DO SARMENTO - RIO PIRATINIM	365	5146.0	1706	286.5	0.61	417	108.98	89.21
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	1	3724.0	1659	165.0	1.35	324	2.36	7.88
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	3	3724.0	1659	165.0	1.35	324	2.41	11.63
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	7	3724.0	1659	165.0	1.35	324	2.52	15.71
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	15	3724.0	1659	165.0	1.35	324	2.82	20.59
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	30	3724.0	1659	165.0	1.35	324	3.15	26.34
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	60	3724.0	1659	165.0	1.35	324	4.08	33.68
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	90	3724.0	1659	165.0	1.35	324	11.17	38.90
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	180	3724.0	1659	165.0	1.35	324	25.41	49.75
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	270	3724.0	1659	165.0	1.35	324	42.55	57.45
68	75700000	PASSO DO NOVO - RIO ICAMAQUA	365	3724.0	1659	165.0	1.35	324	53.41	63.93
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	1	29619.0	1477	636.5	0.86	2867	136.73	66.66
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	3	29619.0	1477	636.5	0.86	2867	140.85	98.45
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	7	29619.0	1477	636.5	0.86	2867	123.80	132.99
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	15	29619.0	1477	636.5	0.86	2867	168.02	174.30
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	30	29619.0	1477	636.5	0.86	2867	201.85	222.92
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	60	29619.0	1477	636.5	0.86	2867	264.50	285.10
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	90	29619.0	1477	636.5	0.86	2867	318.30	329.23
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	180	29619.0	1477	636.5	0.86	2867	448.87	421.07
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	270	29619.0	1477	636.5	0.86	2867	540.66	486.25
18	72300000	PASSO DO VIRGILIO - RIO PELOTAS	365	29619.0	1477	636.5	0.86	2867	663.36	541.16

REGIAO E3

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
27	73010000	MARCELINO RAMOS - RIO URUGUAI	1	41267.0	1553	683.0	0.93		133.07	93.80
27	73010000	MARCELINO RAMOS - RIO URUGUAI	3	41267.0	1553	683.0	0.93		136.87	138.54
27	73010000	MARCELINO RAMOS - RIO URUGUAI	7	41267.0	1553	683.0	0.93		145.37	187.15
27	73010000	MARCELINO RAMOS - RIO URUGUAI	15	41267.0	1553	683.0	0.93		163.87	245.28
27	73010000	MARCELINO RAMOS - RIO URUGUAI	30	41267.0	1553	683.0	0.93		203.24	313.70
27	73010000	MARCELINO RAMOS - RIO URUGUAI	60	41267.0	1553	683.0	0.93		281.15	401.20
27	73010000	MARCELINO RAMOS - RIO URUGUAI	90	41267.0	1553	683.0	0.93		328.58	463.30
27	73010000	MARCELINO RAMOS - RIO URUGUAI	180	41267.0	1553	683.0	0.93		497.75	592.53
27	73010000	MARCELINO RAMOS - RIO URUGUAI	270	41267.0	1553	683.0	0.93		663.34	684.25
27	73010000	MARCELINO RAMOS - RIO URUGUAI	365	41267.0	1553	683.0	0.93		839.65	761.53
28	73200000	ITA - RIO URUGUAI	1	43901.0	1542	791.0	0.91		154.58	99.98
28	73200000	ITA - RIO URUGUAI	3	43901.0	1542	791.0	0.91		158.75	147.65
28	73200000	ITA - RIO URUGUAI	7	43901.0	1542	791.0	0.91		166.90	199.46
28	73200000	ITA - RIO URUGUAI	15	43901.0	1542	791.0	0.91		183.33	261.42
28	73200000	ITA - RIO URUGUAI	30	43901.0	1542	791.0	0.91		230.40	334.34
28	73200000	ITA - RIO URUGUAI	60	43901.0	1542	791.0	0.91		321.46	427.60
28	73200000	ITA - RIO URUGUAI	90	43901.0	1542	791.0	0.91		381.09	493.79
28	73200000	ITA - RIO URUGUAI	180	43901.0	1542	791.0	0.91		599.57	631.52
28	73200000	ITA - RIO URUGUAI	270	43901.0	1542	791.0	0.91		820.84	729.28
28	73200000	ITA - RIO URUGUAI	365	43901.0	1542	791.0	0.91		1018.18	811.64
84	77150000	URUGUAIANA - RIO URUGUAI	1	189300.0	1531	1732.5	0.60		685.37	450.43
84	77150000	URUGUAIANA - RIO URUGUAI	3	189300.0	1531	1732.5	0.60		696.18	665.23
84	77150000	URUGUAIANA - RIO URUGUAI	7	189300.0	1531	1732.5	0.60		735.07	898.64
84	77150000	URUGUAIANA - RIO URUGUAI	15	189300.0	1531	1732.5	0.60		832.10	1177.80
84	77150000	URUGUAIANA - RIO URUGUAI	30	189300.0	1531	1732.5	0.60		1048.82	1506.32
84	77150000	URUGUAIANA - RIO URUGUAI	60	189300.0	1531	1732.5	0.60		1565.59	1926.49
84	77150000	URUGUAIANA - RIO URUGUAI	90	189300.0	1531	1732.5	0.60		2028.96	2224.69
84	77150000	URUGUAIANA - RIO URUGUAI	180	189300.0	1531	1732.5	0.60		2651.29	2845.24
84	77150000	URUGUAIANA - RIO URUGUAI	270	189300.0	1531	1732.5	0.60		3698.68	3285.65
84	77150000	URUGUAIANA - RIO URUGUAI	365	189300.0	1531	1732.5	0.60		4268.16	3656.73
35	73600000	ABELARDO LUZ - RIO CHAPECO	1	1850.0	2190	192.6	2.85		9.36	3.83
35	73600000	ABELARDO LUZ - RIO CHAPECO	3	1850.0	2190	192.6	2.85		10.07	5.66
35	73600000	ABELARDO LUZ - RIO CHAPECO	7	1850.0	2190	192.6	2.85		10.93	7.64
35	73600000	ABELARDO LUZ - RIO CHAPECO	15	1850.0	2190	192.6	2.85		12.16	10.02
35	73600000	ABELARDO LUZ - RIO CHAPECO	30	1850.0	2190	192.6	2.85		14.76	12.81
35	73600000	ABELARDO LUZ - RIO CHAPECO	60	1850.0	2190	192.6	2.85		20.09	16.39
35	73600000	ABELARDO LUZ - RIO CHAPECO	90	1850.0	2190	192.6	2.85		24.13	18.92
35	73600000	ABELARDO LUZ - RIO CHAPECO	180	1850.0	2190	192.6	2.85		35.62	24.20
35	73600000	ABELARDO LUZ - RIO CHAPECO	270	1850.0	2190	192.6	2.85		44.56	27.94
35	73600000	ABELARDO LUZ - RIO CHAPECO	365	1850.0	2190	192.6	2.85		55.56	31.10
36	73610000	PONTE SAUDADES - RIO SAUDADES	1	702.0	1956	71.6	4.91		1.01	1.41
36	73610000	PONTE SAUDADES - RIO SAUDADES	3	702.0	1956	71.6	4.91		1.03	2.09
36	73610000	PONTE SAUDADES - RIO SAUDADES	7	702.0	1956	71.6	4.91		1.07	2.82
36	73610000	PONTE SAUDADES - RIO SAUDADES	15	702.0	1956	71.6	4.91		1.26	3.69
36	73610000	PONTE SAUDADES - RIO SAUDADES	30	702.0	1956	71.6	4.91		1.29	4.72
36	73610000	PONTE SAUDADES - RIO SAUDADES	60	702.0	1956	71.6	4.91		3.04	6.04
36	73610000	PONTE SAUDADES - RIO SAUDADES	90	702.0	1956	71.6	4.91		3.99	6.97
36	73610000	PONTE SAUDADES - RIO SAUDADES	180	702.0	1956	71.6	4.91		8.23	8.92
36	73610000	PONTE SAUDADES - RIO SAUDADES	270	702.0	1956	71.6	4.91		12.57	10.30
36	73610000	PONTE SAUDADES - RIO SAUDADES	365	702.0	1956	71.6	4.91		18.61	11.46

REGIAO R3

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
37	73730000	PORTO ELVINO - RIO CHAPECO	1	5239.0	2112	301.7	3.30		24.88	11.19
37	73730000	PORTO ELVINO - RIO CHAPECO	3	5239.0	2112	301.7	3.30		26.81	16.53
37	73730000	PORTO ELVINO - RIO CHAPECO	7	5239.0	2112	301.7	3.30		29.43	22.33
37	73730000	PORTO ELVINO - RIO CHAPECO	15	5239.0	2112	301.7	3.30		33.14	29.27
37	73730000	PORTO ELVINO - RIO CHAPECO	30	5239.0	2112	301.7	3.30		39.48	37.43
37	73730000	PORTO ELVINO - RIO CHAPECO	60	5239.0	2112	301.7	3.30		57.21	47.87
37	73730000	PORTO ELVINO - RIO CHAPECO	90	5239.0	2112	301.7	3.30		69.95	55.28
37	73730000	PORTO ELVINO - RIO CHAPECO	180	5239.0	2112	301.7	3.30		98.83	70.70
37	73730000	PORTO ELVINO - RIO CHAPECO	270	5239.0	2112	301.7	3.30		125.14	81.65
37	73730000	PORTO ELVINO - RIO CHAPECO	365	5239.0	2112	301.7	3.30		155.27	90.87
38	73750000	PORTO FAE - RIO CHAPECO	1	5528.0	2125	320.5	5.97		28.66	11.83
38	73750000	PORTO FAE - RIO CHAPECO	3	5528.0	2125	320.5	5.97		29.77	17.47
38	73750000	PORTO FAE - RIO CHAPECO	7	5528.0	2125	320.5	5.97		31.55	23.60
38	73750000	PORTO FAE - RIO CHAPECO	15	5528.0	2125	320.5	5.97		33.91	30.93
38	73750000	PORTO FAE - RIO CHAPECO	30	5528.0	2125	320.5	5.97		39.20	39.56
38	73750000	PORTO FAE - RIO CHAPECO	60	5528.0	2125	320.5	5.97		52.88	50.60
38	73750000	PORTO FAE - RIO CHAPECO	90	5528.0	2125	320.5	5.97		64.46	58.43
38	73750000	PORTO FAE - RIO CHAPECO	180	5528.0	2125	320.5	5.97		100.48	74.73
38	73750000	PORTO FAE - RIO CHAPECO	270	5528.0	2125	320.5	5.97		132.22	86.29
38	73750000	PORTO FAE - RIO CHAPECO	365	5528.0	2125	320.5	5.97		153.94	96.04
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	1	7535.0	2064	362.2	2.99		29.98	16.28
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	3	7535.0	2064	362.2	2.99		30.70	24.04
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	7	7535.0	2064	362.2	2.99		32.28	32.47
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	15	7535.0	2064	362.2	2.99		35.64	42.56
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	30	7535.0	2064	362.2	2.99		43.23	54.43
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	60	7535.0	2064	362.2	2.99		62.06	69.61
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	90	7535.0	2064	362.2	2.99		78.52	80.38
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	180	7535.0	2064	362.2	2.99		122.14	102.81
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	270	7535.0	2064	362.2	2.99		162.24	118.72
40	73850000	PASSO NOVA ERECHIM - RIO CHAPECO	365	7535.0	2064	362.2	2.99		197.01	132.13
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	1	8267.0	2021	420.2	2.69		33.51	17.91
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	3	8267.0	2021	420.2	2.69		34.46	26.45
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	7	8267.0	2021	420.2	2.69		37.23	35.72
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	15	8267.0	2021	420.2	2.69		41.81	46.82
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	30	8267.0	2021	420.2	2.69		52.13	59.88
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	60	8267.0	2021	420.2	2.69		72.13	76.58
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	90	8267.0	2021	420.2	2.69		87.12	88.44
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	180	8267.0	2021	420.2	2.69		132.46	113.11
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	270	8267.0	2021	420.2	2.69		177.57	130.62
42	73960000	BARRA DO CHAPECO AUX. - RIO CHAPECO	365	8267.0	2021	420.2	2.69		224.52	145.37

REGIAO R4

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
69	76100000	VILA CLARA - RIO TOROPI	1	2765.0	1445	105.5	3.61	300	1.65	1.91
69	76100000	VILA CLARA - RIO TOROPI	3	2765.0	1445	105.5	3.61	300	1.79	3.24
69	76100000	VILA CLARA - RIO TOROPI	7	2765.0	1445	105.5	3.61	300	2.17	4.86
69	76100000	VILA CLARA - RIO TOROPI	15	2765.0	1445	105.5	3.61	300	2.67	7.01
69	76100000	VILA CLARA - RIO TOROPI	30	2765.0	1445	105.5	3.61	300	4.01	9.78
69	76100000	VILA CLARA - RIO TOROPI	60	2765.0	1445	105.5	3.61	300	8.05	13.64
69	76100000	VILA CLARA - RIO TOROPI	90	2765.0	1445	105.5	3.61	300	12.13	16.58
69	76100000	VILA CLARA - RIO TOROPI	180	2765.0	1445	105.5	3.61	300	25.34	23.12
69	76100000	VILA CLARA - RIO TOROPI	270	2765.0	1445	105.5	3.61	300	39.12	28.09
69	76100000	VILA CLARA - RIO TOROPI	365	2765.0	1445	105.5	3.61	300	54.62	32.47
70	76120000	PONTE TOROPI - RIO TOROPI	1	3323.0	1521	134.2	2.39	375	3.74	2.96
70	76120000	PONTE TOROPI - RIO TOROPI	3	3323.0	1521	134.2	2.39	375	4.05	5.01
70	76120000	PONTE TOROPI - RIO TOROPI	7	3323.0	1521	134.2	2.39	375	4.60	7.53
70	76120000	PONTE TOROPI - RIO TOROPI	15	3323.0	1521	134.2	2.39	375	5.42	10.85
70	76120000	PONTE TOROPI - RIO TOROPI	30	3323.0	1521	134.2	2.39	375	7.83	15.14
70	76120000	PONTE TOROPI - RIO TOROPI	60	3323.0	1521	134.2	2.39	375	14.99	21.12
70	76120000	PONTE TOROPI - RIO TOROPI	90	3323.0	1521	134.2	2.39	375	18.71	25.66
70	76120000	PONTE TOROPI - RIO TOROPI	180	3323.0	1521	134.2	2.39	375	37.71	35.79
70	76120000	PONTE TOROPI - RIO TOROPI	270	3323.0	1521	134.2	2.39	375	53.52	43.49
70	76120000	PONTE TOROPI - RIO TOROPI	365	3323.0	1521	134.2	2.39	375	72.22	50.26
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	1	12210.0	1376	192.5	0.40	681	8.64	7.29
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	3	12210.0	1376	192.5	0.40	681	9.21	12.35
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	7	12210.0	1376	192.5	0.40	681	10.27	18.55
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	15	12210.0	1376	192.5	0.40	681	12.22	26.75
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	30	12210.0	1376	192.5	0.40	681	16.78	37.32
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	60	12210.0	1376	192.5	0.40	681	29.39	52.06
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	90	12210.0	1376	192.5	0.40	681	44.78	63.25
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	180	12210.0	1376	192.5	0.40	681	104.19	88.23
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	270	12210.0	1376	192.5	0.40	681	142.76	107.19
71	76310000	ROSARIO DO SUL - RIO SANTA MARIA	365	12210.0	1376	192.5	0.40	681	214.61	123.89
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	1	921.0	1693	58.0	3.11	83	1.30	0.93
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	3	921.0	1693	58.0	3.11	83	1.38	1.57
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	7	921.0	1693	58.0	3.11	83	1.56	2.35
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	15	921.0	1693	58.0	3.11	83	2.00	3.40
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	30	921.0	1693	58.0	3.11	83	2.65	4.74
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	60	921.0	1693	58.0	3.11	83	4.30	6.61
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	90	921.0	1693	58.0	3.11	83	7.16	8.03
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	180	921.0	1693	58.0	3.11	83	13.76	11.20
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	270	921.0	1693	58.0	3.11	83	19.41	13.60
73	76460000	ERNESTO ALVES - RIO JAGUARIZINHO	365	921.0	1693	58.0	3.11	83	26.43	15.72
75	76490000	PASSO DO LORETO - RIO JAGUARI	1	4574.0	1528	208.5	2.05	472	6.36	3.41
75	76490000	PASSO DO LORETO - RIO JAGUARI	3	4574.0	1528	208.5	2.05	472	6.92	5.78
75	76490000	PASSO DO LORETO - RIO JAGUARI	7	4574.0	1528	208.5	2.05	472	7.58	8.68
75	76490000	PASSO DO LORETO - RIO JAGUARI	15	4574.0	1528	208.5	2.05	472	8.48	12.52
75	76490000	PASSO DO LORETO - RIO JAGUARI	30	4574.0	1528	208.5	2.05	472	10.86	17.46
75	76490000	PASSO DO LORETO - RIO JAGUARI	60	4574.0	1528	208.5	2.05	472	23.23	24.36
75	76490000	PASSO DO LORETO - RIO JAGUARI	90	4574.0	1528	208.5	2.05	472	32.69	29.59
75	76490000	PASSO DO LORETO - RIO JAGUARI	180	4574.0	1528	208.5	2.05	472	58.92	41.28
75	76490000	PASSO DO LORETO - RIO JAGUARI	270	4574.0	1528	208.5	2.05	472	79.92	50.15
75	76490000	PASSO DO LORETO - RIO JAGUARI	365	4574.0	1528	208.5	2.05	472	108.21	57.96

RESIAO R4

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
76	76500000	JACAQUA - RIO IBICUI	1	27260.0	1413	256.5	0.40	2287	42.33	19.71
76	76500000	JACAQUA - RIO IBICUI	3	27260.0	1413	256.5	0.40	2287	43.77	33.41
76	76500000	JACAQUA - RIO IBICUI	7	27260.0	1413	256.5	0.40	2287	46.38	50.18
76	76500000	JACAQUA - RIO IBICUI	15	27260.0	1413	256.5	0.40	2287	53.61	72.36
76	76500000	JACAQUA - RIO IBICUI	30	27260.0	1413	256.5	0.40	2287	74.98	100.93
76	76500000	JACAQUA - RIO IBICUI	60	27260.0	1413	256.5	0.40	2287	134.13	140.79
76	76500000	JACAQUA - RIO IBICUI	90	27260.0	1413	256.5	0.40	2287	212.22	171.06
76	76500000	JACAQUA - RIO IBICUI	180	27260.0	1413	256.5	0.40	2287	298.49	238.61
76	76500000	JACAQUA - RIO IBICUI	270	27260.0	1413	256.5	0.40	2287	385.48	289.90
76	76500000	JACAQUA - RIO IBICUI	365	27260.0	1413	256.5	0.40	2287	524.26	335.06
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	1	379.6	1563	28.0	4.68	54	5.32	0.85
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	3	379.6	1563	28.0	4.68	54	5.39	1.44
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	7	379.6	1563	28.0	4.68	54	5.45	2.16
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	15	379.6	1563	28.0	4.68	54	5.70	3.12
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	30	379.6	1563	28.0	4.68	54	6.34	4.35
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	60	379.6	1563	28.0	4.68	54	6.86	6.06
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	90	379.6	1563	28.0	4.68	54	7.37	7.36
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	180	379.6	1563	28.0	4.68	54	8.47	10.27
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	270	379.6	1563	28.0	4.68	54	9.24	12.48
77	76550000	PONTE MIRACATU - ARROIO MIRACATU	365	379.6	1563	28.0	4.68	54	10.40	14.43
78	76560000	MANUEL VIANA - RIO IBICUI	1	28820.0	1418	293.5	0.29	2570	57.32	27.67
78	76560000	MANUEL VIANA - RIO IBICUI	3	28820.0	1418	293.5	0.29	2570	59.26	46.89
78	76560000	MANUEL VIANA - RIO IBICUI	7	28820.0	1418	293.5	0.29	2570	63.18	70.44
78	76560000	MANUEL VIANA - RIO IBICUI	15	28820.0	1418	293.5	0.29	2570	74.16	101.56
78	76560000	MANUEL VIANA - RIO IBICUI	30	28820.0	1418	293.5	0.29	2570	98.27	141.67
78	76560000	MANUEL VIANA - RIO IBICUI	60	28820.0	1418	293.5	0.29	2570	145.43	197.62
78	76560000	MANUEL VIANA - RIO IBICUI	90	28820.0	1418	293.5	0.29	2570	197.11	240.10
78	76560000	MANUEL VIANA - RIO IBICUI	180	28820.0	1418	293.5	0.29	2570	325.50	334.92
78	76560000	MANUEL VIANA - RIO IBICUI	270	28820.0	1418	293.5	0.29	2570	431.46	406.91
78	76560000	MANUEL VIANA - RIO IBICUI	365	28820.0	1418	293.5	0.29	2570	566.05	470.29
79	76650000	PASSO CACHOEIRA - RIO ITU	1	2451.0	1503	125.0	1.14	272	17.09	4.13
79	76650000	PASSO CACHOEIRA - RIO ITU	3	2451.0	1503	125.0	1.14	272	17.29	7.00
79	76650000	PASSO CACHOEIRA - RIO ITU	7	2451.0	1503	125.0	1.14	272	17.85	10.51
79	76650000	PASSO CACHOEIRA - RIO ITU	15	2451.0	1503	125.0	1.14	272	18.88	15.16
79	76650000	PASSO CACHOEIRA - RIO ITU	30	2451.0	1503	125.0	1.14	272	21.11	21.15
79	76650000	PASSO CACHOEIRA - RIO ITU	60	2451.0	1503	125.0	1.14	272	25.51	29.50
79	76650000	PASSO CACHOEIRA - RIO ITU	90	2451.0	1503	125.0	1.14	272	29.08	35.84
79	76650000	PASSO CACHOEIRA - RIO ITU	180	2451.0	1503	125.0	1.14	272	37.13	50.00
79	76650000	PASSO CACHOEIRA - RIO ITU	270	2451.0	1503	125.0	1.14	272	47.14	60.74
79	76650000	PASSO CACHOEIRA - RIO ITU	365	2451.0	1503	125.0	1.14	272	56.61	70.21
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	1	3089.0	1416	147.5	0.64	108	1.65	1.33
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	3	3089.0	1416	147.5	0.64	108	1.74	2.26
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	7	3089.0	1416	147.5	0.64	108	2.24	3.40
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	15	3089.0	1416	147.5	0.64	108	4.31	4.90
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	30	3089.0	1416	147.5	0.64	108	6.24	6.83
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	60	3089.0	1416	147.5	0.64	108	10.98	9.53
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	90	3089.0	1416	147.5	0.64	108	16.90	11.58
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	180	3089.0	1416	147.5	0.64	108	50.71	16.15
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	270	3089.0	1416	147.5	0.64	108	67.91	19.62
80	76700000	PASSO DOS BRITOS - RIO IBIRAPUITA	365	3089.0	1416	147.5	0.64	108	80.86	22.67

REGIAO R4

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	1	1426.0	1424	94.0	0.80	90	1.81	1.79
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	3	1426.0	1424	94.0	0.80	90	1.84	3.03
81	76742030	PASSO DO OSORIO - ARROIO CAVERA	7	1426.0	1424	94.0	0.80	90	1.99	4.55
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	15	1426.0	1424	94.0	0.80	90	3.99	6.56
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	30	1426.0	1424	94.0	0.80	90	4.71	9.15
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	60	1426.0	1424	94.0	0.80	90	7.69	12.76
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	90	1426.0	1424	94.0	0.80	90	10.32	15.51
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	180	1426.0	1424	94.0	0.80	90	20.94	21.63
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	270	1426.0	1424	94.0	0.80	90	27.04	26.28
81	76742000	PASSO DO OSORIO - ARROIO CAVERA	365	1426.0	1424	94.0	0.80	90	31.53	30.37
82	76750000	ALEGRETE - RIO IBIRAPUITA	1	5776.0	1425	182.5	0.50	245	3.30	2.88
82	76750000	ALEGRETE - RIO IBIRAPUITA	3	5776.0	1425	182.5	0.50	245	3.55	4.87
82	76750000	ALEGRETE - RIO IBIRAPUITA	7	5776.0	1425	182.5	0.50	245	4.01	7.32
82	76750000	ALEGRETE - RIO IBIRAPUITA	15	5776.0	1425	182.5	0.50	245	5.11	10.56
82	76750000	ALEGRETE - RIO IBIRAPUITA	30	5776.0	1425	182.5	0.50	245	7.50	14.73
82	76750000	ALEGRETE - RIO IBIRAPUITA	60	5776.0	1425	182.5	0.50	245	15.00	20.54
82	76750000	ALEGRETE - RIO IBIRAPUITA	90	5776.0	1425	182.5	0.50	245	25.58	24.96
82	76750000	ALEGRETE - RIO IBIRAPUITA	180	5776.0	1425	182.5	0.50	245	51.87	34.82
82	76750000	ALEGRETE - RIO IBIRAPUITA	270	5776.0	1425	182.5	0.50	245	81.92	42.30
82	76750000	ALEGRETE - RIO IBIRAPUITA	365	5776.0	1425	182.5	0.50	245	114.86	48.89
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	1	35935.0	1435	493.5	0.19	2760	76.55	33.58
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	3	35935.0	1435	493.5	0.19	2760	78.78	56.92
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	7	35935.0	1435	493.5	0.19	2760	85.09	85.50
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	15	35935.0	1435	493.5	0.19	2760	93.45	123.28
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	30	35935.0	1435	493.5	0.19	2760	128.08	171.97
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	60	35935.0	1435	493.5	0.19	2760	209.40	239.88
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	90	35935.0	1435	493.5	0.19	2760	269.81	291.45
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	180	35935.0	1435	493.5	0.19	2760	438.73	406.55
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	270	35935.0	1435	493.5	0.19	2760	627.09	493.94
83	76800000	PASSO MARIANO PINTO - RIO IBICUI	365	35935.0	1435	493.5	0.19	2760	823.48	570.88

REGIAO RE

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
85	85080000	ESPUMOSO - RIO JACUI	1	2595.0	1671	140.0	1.54	237	14.35	9.22
85	85080000	ESPUMOSO - RIO JACUI	3	2595.0	1671	140.0	1.54	237	15.68	12.89
85	85080000	ESPUMOSO - RIO JACUI	7	2595.0	1671	140.0	1.54	237	17.37	16.68
85	85080000	ESPUMOSO - RIO JACUI	15	2595.0	1671	140.0	1.54	237	19.03	21.05
85	85080000	ESPUMOSO - RIO JACUI	30	2595.0	1671	140.0	1.54	237	21.12	26.00
85	85080000	ESPUMOSO - RIO JACUI	60	2595.0	1671	140.0	1.54	237	24.55	32.11
85	85080000	ESPUMOSO - RIO JACUI	90	2595.0	1671	140.0	1.54	237	27.54	36.34
85	85080000	ESPUMOSO - RIO JACUI	180	2595.0	1671	140.0	1.54	237	37.11	44.89
85	85080000	ESPUMOSO - RIO JACUI	270	2595.0	1671	140.0	1.54	237	51.75	50.79
85	85080000	ESPUMOSO - RIO JACUI	365	2595.0	1671	140.0	1.54	237	63.18	55.68
86	85140000	PASSO BELA VISTA - RIO JACUI	1	4015.0	1671	153.0	1.31	389	24.95	11.52
86	85140000	PASSO BELA VISTA - RIO JACUI	3	4015.0	1671	153.0	1.31	389	26.45	16.11
86	85140000	PASSO BELA VISTA - RIO JACUI	7	4015.0	1671	153.0	1.31	389	28.14	20.85
86	85140000	PASSO BELA VISTA - RIO JACUI	15	4015.0	1671	153.0	1.31	389	30.12	26.31
86	85140000	PASSO BELA VISTA - RIO JACUI	30	4015.0	1671	153.0	1.31	389	33.43	32.50
86	85140000	PASSO BELA VISTA - RIO JACUI	60	4015.0	1671	153.0	1.31	389	38.96	40.14
86	85140000	PASSO BELA VISTA - RIO JACUI	90	4015.0	1671	153.0	1.31	389	44.49	45.42
86	85140000	PASSO BELA VISTA - RIO JACUI	180	4015.0	1671	153.0	1.31	389	59.18	56.11
86	85140000	PASSO BELA VISTA - RIO JACUI	270	4015.0	1671	153.0	1.31	389	83.06	63.49
86	85140000	PASSO BELA VISTA - RIO JACUI	365	4015.0	1671	153.0	1.31	389	103.58	69.60
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	1	375.0	2018	47.5	2.56	33	2.38	1.24
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	3	375.0	2018	47.5	2.56	33	2.41	1.73
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	7	375.0	2018	47.5	2.56	33	2.43	2.24
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	15	375.0	2018	47.5	2.56	33	2.75	2.83
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	30	375.0	2018	47.5	2.56	33	3.26	3.50
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	60	375.0	2018	47.5	2.56	33	4.01	4.32
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	90	375.0	2018	47.5	2.56	33	4.56	4.89
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	180	375.0	2018	47.5	2.56	33	5.86	6.04
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	270	375.0	2018	47.5	2.56	33	8.22	6.83
87	85150000	PONTE IBIRUBA - ARROIO GRANDE	365	375.0	2018	47.5	2.56	33	9.75	7.49
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	1	715.0	1694	80.0	1.58	53	4.58	2.40
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	3	715.0	1694	80.0	1.58	53	4.68	3.35
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	7	715.0	1694	80.0	1.58	53	4.79	4.34
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	15	715.0	1694	80.0	1.58	53	5.07	5.47
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	30	715.0	1694	80.0	1.58	53	5.81	6.76
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	60	715.0	1694	80.0	1.58	53	6.90	8.35
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	90	715.0	1694	80.0	1.58	53	8.11	9.45
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	180	715.0	1694	80.0	1.58	53	11.06	11.67
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	270	715.0	1694	80.0	1.58	53	15.43	13.21
88	85180000	PTE SANTO ANTONIO - RIO JACUI-MIRIM	365	715.0	1694	80.0	1.58	53	19.26	14.48
89	85220000	PASSO DO NOVO - RIO JACUI	1	6419.0	1786	183.0	1.16	643	35.91	22.97
89	85220000	PASSO DO NOVO - RIO JACUI	3	6419.0	1786	183.0	1.16	643	38.12	32.10
89	85220000	PASSO DO NOVO - RIO JACUI	7	6419.0	1786	183.0	1.16	643	41.13	41.57
89	85220000	PASSO DO NOVO - RIO JACUI	15	6419.0	1786	183.0	1.16	643	45.41	52.43
89	85220000	PASSO DO NOVO - RIO JACUI	30	6419.0	1786	183.0	1.16	643	52.26	64.77
89	85220000	PASSO DO NOVO - RIO JACUI	60	6419.0	1786	183.0	1.16	643	58.70	80.01
89	85220000	PASSO DO NOVO - RIO JACUI	90	6419.0	1786	183.0	1.16	643	67.77	90.53
89	85220000	PASSO DO NOVO - RIO JACUI	180	6419.0	1786	183.0	1.16	643	86.66	111.83
89	85220000	PASSO DO NOVO - RIO JACUI	270	6419.0	1786	183.0	1.16	643	127.51	126.54
89	85220000	PASSO DO NOVO - RIO JACUI	365	6419.0	1786	183.0	1.16	643	151.58	138.72

REGIAO R5

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPITACAO ANUAL mm	COMPRIMENTO DO RIO km	DECLIVIDADE m/km	NUMERO DE CONFLUENC	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
90	85240000	PASSO DO INGAI - RIO INGAI	1	1019.0	1641	75.5	2.08	175	5.22	1.85
90	85240000	PASSO DO INGAI - RIO INGAI	3	1019.0	1641	75.5	2.08	175	5.30	2.59
90	85240000	PASSO DO INGAI - RIO INGAI	7	1019.0	1641	75.5	2.08	175	5.60	3.35
90	85240000	PASSO DO INGAI - RIO INGAI	15	1019.0	1641	75.5	2.08	175	5.89	4.23
90	85240000	PASSO DO INGAI - RIO INGAI	30	1019.0	1641	75.5	2.08	175	6.56	5.23
90	85240000	PASSO DO INGAI - RIO INGAI	60	1019.0	1641	75.5	2.08	175	8.59	6.46
90	85240000	PASSO DO INGAI - RIO INGAI	90	1019.0	1641	75.5	2.08	175	10.32	7.31
90	85240000	PASSO DO INGAI - RIO INGAI	180	1019.0	1641	75.5	2.08	175	13.61	9.03
90	85240000	PASSO DO INGAI - RIO INGAI	270	1019.0	1641	75.5	2.08	175	20.09	10.21
90	85240000	PASSO DO INGAI - RIO INGAI	365	1019.0	1641	75.5	2.08	175	24.02	11.20
92	85340000	FAZ. DO CERVO - RIO IVAI	1	1693.0	1591	90.0	1.83	237	3.88	2.57
92	85340000	FAZ. DO CERVO - RIO IVAI	3	1693.0	1591	90.0	1.83	237	4.18	3.59
92	85340000	FAZ. DO CERVO - RIO IVAI	7	1693.0	1591	90.0	1.83	237	4.51	4.65
92	85340000	FAZ. DO CERVO - RIO IVAI	15	1693.0	1591	90.0	1.83	237	4.85	5.87
92	85340000	FAZ. DO CERVO - RIO IVAI	30	1693.0	1591	90.0	1.83	237	5.70	7.24
92	85340000	FAZ. DO CERVO - RIO IVAI	60	1693.0	1591	90.0	1.83	237	7.51	8.95
92	85340000	FAZ. DO CERVO - RIO IVAI	90	1693.0	1591	90.0	1.83	237	8.45	10.13
92	85340000	FAZ. DO CERVO - RIO IVAI	180	1693.0	1591	90.0	1.83	237	14.38	12.51
92	85340000	FAZ. DO CERVO - RIO IVAI	270	1693.0	1591	90.0	1.83	237	21.56	14.15
92	85340000	FAZ. DO CERVO - RIO IVAI	365	1693.0	1591	90.0	1.83	237	29.91	15.52
93	85360000	ITAUBA I - RIO JACUI	1	10200.0	1629	262.5	1.45	1142	27.76	40.32
93	85360000	ITAUBA I - RIO JACUI	3	10200.0	1629	262.5	1.45	1142	46.77	56.36
93	85360000	ITAUBA I - RIO JACUI	7	10200.0	1629	262.5	1.45	1142	57.54	72.97
93	85360000	ITAUBA I - RIO JACUI	15	10200.0	1629	262.5	1.45	1142	62.43	92.05
93	85360000	ITAUBA I - RIO JACUI	30	10200.0	1629	262.5	1.45	1142	68.05	113.70
93	85360000	ITAUBA I - RIO JACUI	60	10200.0	1629	262.5	1.45	1142	76.73	140.45
93	85360000	ITAUBA I - RIO JACUI	90	10200.0	1629	262.5	1.45	1142	85.34	158.93
93	85360000	ITAUBA I - RIO JACUI	180	10200.0	1629	262.5	1.45	1142	102.17	196.31
93	85360000	ITAUBA I - RIO JACUI	270	10200.0	1629	262.5	1.45	1142	115.12	222.14
93	85360000	ITAUBA I - RIO JACUI	365	10200.0	1629	262.5	1.45	1142	144.56	243.52
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	1	1860.0	1610	122.5	3.71	144	3.94	5.77
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	3	1860.0	1610	122.5	3.71	144	4.09	8.06
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	7	1860.0	1610	122.5	3.71	144	4.23	10.44
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	15	1860.0	1610	122.5	3.71	144	4.65	13.17
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	30	1860.0	1610	122.5	3.71	144	5.84	16.27
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	60	1860.0	1610	122.5	3.71	144	9.61	20.09
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	90	1860.0	1610	122.5	3.71	144	12.88	22.74
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	180	1860.0	1610	122.5	3.71	144	20.48	28.09
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	270	1860.0	1610	122.5	3.71	144	28.98	31.78
94	85380000	PASSO ESTRELA - RIO JACUIZINHO	365	1860.0	1610	122.5	3.71	144	40.21	34.84
95	85385000	VOLTA GRANDE I - RIO JACUI	1	12720.0	1400	295.0	1.57	1315	42.21	31.06
95	85385000	VOLTA GRANDE I - RIO JACUI	3	12720.0	1400	295.0	1.57	1315	62.12	43.41
95	85385000	VOLTA GRANDE I - RIO JACUI	7	12720.0	1400	295.0	1.57	1315	82.70	56.20
95	85385000	VOLTA GRANDE I - RIO JACUI	15	12720.0	1400	295.0	1.57	1315	96.64	70.90
95	85385000	VOLTA GRANDE I - RIO JACUI	30	12720.0	1400	295.0	1.57	1315	111.05	87.58
95	85385000	VOLTA GRANDE I - RIO JACUI	60	12720.0	1400	295.0	1.57	1315	132.44	108.18
95	85385000	VOLTA GRANDE I - RIO JACUI	90	12720.0	1400	295.0	1.57	1315	148.12	122.41
95	85385000	VOLTA GRANDE I - RIO JACUI	180	12720.0	1400	295.0	1.57	1315	187.89	151.21
95	85385000	VOLTA GRANDE I - RIO JACUI	270	12720.0	1400	295.0	1.57	1315	226.52	171.10
95	85385000	VOLTA GRANDE I - RIO JACUI	365	12720.0	1400	295.0	1.57	1315	284.67	187.57

REGIAO R5

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPITACAO ANUAL mm	COMPRIMENTO DO RIO PRINCIPAL km	DECLIVIDADE m/km	NUMERO DE CONFLUENCIAS	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
96	85395000	VOLTA GRANDE II - RIO JACUI	1	13028.0	1400	315.0	1.57	1327	49.19	36.55
96	85395060	VOLTA GRANDE II - RIO JACUI	3	13028.0	1400	315.0	1.57	1327	68.58	51.09
96	85395000	VOLTA GRANDE II - RIO JACUI	7	13028.0	1400	315.0	1.57	1327	91.51	66.15
96	85395000	VOLTA GRANDE II - RIO JACUI	15	13028.0	1400	315.0	1.57	1327	105.81	83.44
96	85395000	VOLTA GRANDE II - RIO JACUI	30	13028.0	1400	315.0	1.57	1327	123.62	103.07
96	85395000	VOLTA GRANDE II - RIO JACUI	60	13028.0	1400	315.0	1.57	1327	148.70	127.32
96	85395000	VOLTA GRANDE II - RIO JACUI	90	13028.0	1400	315.0	1.57	1327	164.97	144.07
96	85395000	VOLTA GRANDE II - RIO JACUI	180	13028.0	1400	315.0	1.57	1327	204.66	177.96
96	85395000	VOLTA GRANDE II - RIO JACUI	270	13028.0	1400	315.0	1.57	1327	253.09	201.38
96	85395000	VOLTA GRANDE II - RIO JACUI	365	13028.0	1400	315.0	1.57	1327	329.40	220.76
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	1	910.0	1512	62.5	2.34	64	0.27	0.86
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	3	910.0	1512	62.5	2.34	64	0.46	1.20
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	7	910.0	1512	62.5	2.34	64	0.52	1.56
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	15	910.0	1512	62.5	2.34	64	0.49	1.96
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	30	910.0	1512	62.5	2.34	64	0.47	2.43
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	60	910.0	1512	62.5	2.34	64	1.28	3.00
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	90	910.0	1512	62.5	2.34	64	2.24	3.39
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	180	910.0	1512	62.5	2.34	64	7.21	4.19
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	270	910.0	1512	62.5	2.34	64	12.56	4.74
97	85438000	RESTINGA SECA - RIO VACACAI-MIRIM	365	910.0	1512	62.5	2.34	64	16.93	5.19

REGIAO R6

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO	AREA DA	PRECIPIT	COMPR	DECLIV	NUMERO	VAZAO	VAZAO
			dias	BACIA km2	ANUAL mm	TALV km	TALV m/km	CONFL No	MINIMA m3/s	CALCULADA m3/s
98	85470000	PTE SAO GABRIEL - RIO VACACAI	1	997.0	1283	77.5	1.96	60	0.90	0.40
98	85470000	PTE SAO GABRIEL - RIO VACACAI	3	997.0	1283	77.5	1.96	60	0.97	0.71
98	85470000	PTE SAO GABRIEL - RIO VACACAI	7	997.0	1283	77.5	1.96	60	1.06	1.10
98	85470000	PTE SAO GABRIEL - RIO VACACAI	15	997.0	1283	77.5	1.96	60	1.24	1.63
98	85470000	PTE SAO GABRIEL - RIO VACACAI	30	997.0	1283	77.5	1.96	60	1.54	2.33
98	85470000	PTE SAO GABRIEL - RIO VACACAI	60	997.0	1283	77.5	1.96	60	2.30	3.33
98	85470000	PTE SAO GABRIEL - RIO VACACAI	90	997.0	1283	77.5	1.96	60	3.26	4.11
98	85470000	PTE SAO GABRIEL - RIO VACACAI	180	997.0	1283	77.5	1.96	60	7.68	5.88
98	85470000	PTE SAO GABRIEL - RIO VACACAI	270	997.0	1283	77.5	1.96	60	10.63	7.25
98	85470000	PTE SAO GABRIEL - RIO VACACAI	365	997.0	1283	77.5	1.96	60	15.49	8.47
99	85480000	PASSO DO ROCHA - RIO VACACAI	1	2987.0	1301	127.5	0.81	154	1.54	1.09
99	85480000	PASSO DO ROCHA - RIO VACACAI	3	2987.0	1301	127.5	0.81	154	1.68	1.92
99	85480000	PASSO DO ROCHA - RIO VACACAI	7	2987.0	1301	127.5	0.81	154	1.91	2.97
99	85480000	PASSO DO ROCHA - RIO VACACAI	15	2987.0	1301	127.5	0.81	154	2.67	4.41
99	85480000	PASSO DO ROCHA - RIO VACACAI	30	2987.0	1301	127.5	0.81	154	3.98	6.31
99	85480000	PASSO DO ROCHA - RIO VACACAI	60	2987.0	1301	127.5	0.81	154	6.31	9.03
99	85480000	PASSO DO ROCHA - RIO VACACAI	90	2987.0	1301	127.5	0.81	154	10.04	11.14
99	85480000	PASSO DO ROCHA - RIO VACACAI	180	2987.0	1301	127.5	0.81	154	21.50	15.95
99	85480000	PASSO DO ROCHA - RIO VACACAI	270	2987.0	1301	127.5	0.81	154	30.06	19.67
99	85480000	PASSO DO ROCHA - RIO VACACAI	365	2987.0	1301	127.5	0.81	154	48.32	22.99
100	85600000	PASSO DAS TUNAS - RIO VACACAI	1	6725.0	1340	285.0	0.46	413	3.09	2.37
100	85600000	PASSO DAS TUNAS - RIO VACACAI	3	6725.0	1340	285.0	0.46	413	3.36	4.19
100	85600000	PASSO DAS TUNAS - RIO VACACAI	7	6725.0	1340	285.0	0.46	413	3.68	6.49
100	85600000	PASSO DAS TUNAS - RIO VACACAI	15	6725.0	1340	285.0	0.46	413	4.54	9.63
100	85600000	PASSO DAS TUNAS - RIO VACACAI	30	6725.0	1340	285.0	0.46	413	6.52	13.78
100	85600000	PASSO DAS TUNAS - RIO VACACAI	60	6725.0	1340	285.0	0.46	413	11.06	19.72
100	85600000	PASSO DAS TUNAS - RIO VACACAI	90	6725.0	1340	285.0	0.46	413	17.21	24.32
100	85600000	PASSO DAS TUNAS - RIO VACACAI	180	6725.0	1340	285.0	0.46	413	37.21	34.82
100	85600000	PASSO DAS TUNAS - RIO VACACAI	270	6725.0	1340	285.0	0.46	413	65.13	42.94
100	85600000	PASSO DAS TUNAS - RIO VACACAI	365	6725.0	1340	285.0	0.46	413	99.22	50.19
101	85620000	PULQUERIA - ARROIO SAO SEPE	1	620.0	1391	75.0	2.50	27	0.47	0.24
101	85620000	PULQUERIA - ARROIO SAO SEPE	3	620.0	1391	75.0	2.50	27	0.49	0.43
101	85620000	PULQUERIA - ARROIO SAO SEPE	7	620.0	1391	75.0	2.50	27	0.51	0.66
101	85620000	PULQUERIA - ARROIO SAO SEPE	15	620.0	1391	75.0	2.50	27	0.56	0.99
101	85620000	PULQUERIA - ARROIO SAO SEPE	30	620.0	1391	75.0	2.50	27	0.67	1.41
101	85620000	PULQUERIA - ARROIO SAO SEPE	60	620.0	1391	75.0	2.50	27	1.01	2.02
101	85620000	PULQUERIA - ARROIO SAO SEPE	90	620.0	1391	75.0	2.50	27	1.26	2.49
101	85620000	PULQUERIA - ARROIO SAO SEPE	180	620.0	1391	75.0	2.50	27	2.51	3.57
101	85620000	PULQUERIA - ARROIO SAO SEPE	270	620.0	1391	75.0	2.50	27	6.25	4.40
101	85620000	PULQUERIA - ARROIO SAO SEPE	365	620.0	1391	75.0	2.50	27	8.91	5.14
102	85625000	SAO SEPE - ARROIO SAO SEPE	1	732.0	1393	77.5	2.41	30	1.05	0.30
102	85625000	SAO SEPE - ARROIO SAO SEPE	3	732.0	1393	77.5	2.41	30	1.19	0.52
102	85625000	SAO SEPE - ARROIO SAO SEPE	7	732.0	1393	77.5	2.41	30	1.33	0.81
102	85625000	SAO SEPE - ARROIO SAO SEPE	15	732.0	1393	77.5	2.41	30	1.55	1.20
102	85625000	SAO SEPE - ARROIO SAO SEPE	30	732.0	1393	77.5	2.41	30	1.76	1.72
102	85625000	SAO SEPE - ARROIO SAO SEPE	60	732.0	1393	77.5	2.41	30	2.14	2.46
102	85625000	SAO SEPE - ARROIO SAO SEPE	90	732.0	1393	77.5	2.41	30	2.43	3.04
102	85625000	SAO SEPE - ARROIO SAO SEPE	180	732.0	1393	77.5	2.41	30	5.13	4.35
102	85625000	SAO SEPE - ARROIO SAO SEPE	270	732.0	1393	77.5	2.41	30	7.09	5.36
102	85625000	SAO SEPE - ARROIO SAO SEPE	365	732.0	1393	77.5	2.41	30	10.64	6.27

REGIAO R6

Nº	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km²	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m³/s	VAZAO CALCULADA m³/s
103	85780000	PASSO DO MEIO - RIO PARDO	1	2058.0	1668	135.0	1.41	123	1.52	0.88
103	85780000	PASSO DO MEIO - RIO PARDO	3	2058.0	1668	135.0	1.41	123	1.58	1.55
103	85780000	PASSO DO MEIO - RIO PARDO	7	2058.0	1668	135.0	1.41	123	1.81	2.40
103	85780000	PASSO DO MEIO - RIO PARDO	15	2058.0	1668	135.0	1.41	123	2.09	3.56
103	85780000	PASSO DO MEIO - RIO PARDO	30	2058.0	1668	135.0	1.41	123	2.35	5.09
103	85780000	PASSO DO MEIO - RIO PARDO	60	2058.0	1668	135.0	1.41	123	3.57	7.28
103	85780000	PASSO DO MEIO - RIO PARDO	90	2058.0	1668	135.0	1.41	123	5.18	8.98
103	85780000	PASSO DO MEIO - RIO PARDO	180	2058.0	1668	135.0	1.41	123	14.07	12.86
103	85780000	PASSO DO MEIO - RIO PARDO	270	2058.0	1668	135.0	1.41	123	52.92	15.86
103	85780000	PASSO DO MEIO - RIO PARDO	365	2058.0	1668	135.0	1.41	123	52.29	18.54
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	1	760.0	1704	67.5	5.94	53	0.65	0.48
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	3	760.0	1704	67.5	5.94	53	0.77	0.85
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	7	760.0	1704	67.5	5.94	53	1.05	1.32
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	15	760.0	1704	67.5	5.94	53	1.17	1.96
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	30	760.0	1704	67.5	5.94	53	1.91	2.80
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	60	760.0	1704	67.5	5.94	53	3.18	4.01
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	90	760.0	1704	67.5	5.94	53	4.00	4.94
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	180	760.0	1704	67.5	5.94	53	11.52	7.08
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	270	760.0	1704	67.5	5.94	53	17.87	8.73
104	85830000	SANTA CRUZ MONT. - RIO PARDINHO	365	760.0	1704	67.5	5.94	53	20.81	10.20
105	85850000	SANTA CRUZ - RIO PARDINHO	1	890.0	1700	75.0	5.65	56	0.76	0.58
105	85850000	SANTA CRUZ - RIO PARDINHO	3	890.0	1700	75.0	5.65	56	0.83	1.02
105	85850000	SANTA CRUZ - RIO PARDINHO	7	890.0	1700	75.0	5.65	56	0.95	1.58
105	85850000	SANTA CRUZ - RIO PARDINHO	15	890.0	1700	75.0	5.65	56	1.21	2.34
105	85850000	SANTA CRUZ - RIO PARDINHO	30	890.0	1700	75.0	5.65	56	1.61	3.36
105	85850000	SANTA CRUZ - RIO PARDINHO	60	890.0	1700	75.0	5.65	56	2.84	4.80
105	85850000	SANTA CRUZ - RIO PARDINHO	90	890.0	1700	75.0	5.65	56	4.25	5.92
105	85850000	SANTA CRUZ - RIO PARDINHO	180	890.0	1700	75.0	5.65	56	6.93	8.48
105	85850000	SANTA CRUZ - RIO PARDINHO	270	890.0	1700	75.0	5.65	56	10.03	10.46
105	85850000	SANTA CRUZ - RIO PARDINHO	365	890.0	1700	75.0	5.65	56	18.25	12.22
106	85900000	RIO PARDO - RIO JACUI	1	38103.0	1497	393.5	0.76	2553	80.61	28.88
106	85900000	RIO PARDO - RIO JACUI	3	38103.0	1497	393.5	0.76	2553	90.68	50.98
106	85900000	RIO PARDO - RIO JACUI	7	38103.0	1497	393.5	0.76	2553	102.09	79.03
106	85900000	RIO PARDO - RIO JACUI	15	38103.0	1497	393.5	0.76	2553	116.58	117.23
106	85900000	RIO PARDO - RIO JACUI	30	38103.0	1497	393.5	0.76	2553	135.95	167.79
106	85900000	RIO PARDO - RIO JACUI	60	38103.0	1497	393.5	0.76	2553	178.14	240.16
106	85900000	RIO PARDO - RIO JACUI	90	38103.0	1497	393.5	0.76	2553	234.64	296.21
106	85900000	RIO PARDO - RIO JACUI	180	38103.0	1497	393.5	0.76	2553	340.93	423.98
106	85900000	RIO PARDO - RIO JACUI	270	38103.0	1497	393.5	0.76	2553	504.40	522.93
106	85900000	RIO PARDO - RIO JACUI	365	38103.0	1497	393.5	0.76	2553	719.14	611.20

REGIAO R7

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
107	86050000	CAMISAS - RIO CAMISAS	1	149.0	1479	17.0	7.10	5	0.45	0.18
107	86050000	CAMISAS - RIO CAMISAS	3	149.0	1479	17.0	7.10	5	0.47	0.29
107	86050000	CAMISAS - RIO CAMISAS	7	149.0	1479	17.0	7.10	5	0.51	0.41
107	86050000	CAMISAS - RIO CAMISAS	15	149.0	1479	17.0	7.10	5	0.61	0.57
107	86050000	CAMISAS - RIO CAMISAS	30	149.0	1479	17.0	7.10	5	0.77	0.76
107	86050000	CAMISAS - RIO CAMISAS	60	149.0	1479	17.0	7.10	5	1.05	1.01
107	86050000	CAMISAS - RIO CAMISAS	90	149.0	1479	17.0	7.10	5	1.32	1.20
107	86050000	CAMISAS - RIO CAMISAS	180	149.0	1479	17.0	7.10	5	1.96	1.61
107	86050000	CAMISAS - RIO CAMISAS	270	149.0	1479	17.0	7.10	5	2.49	1.90
107	86050000	CAMISAS - RIO CAMISAS	365	149.0	1479	17.0	7.10	5	3.04	2.16
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	1	1722.0	1466	97.5	3.50	154	4.53	2.08
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	3	1722.0	1466	97.5	3.50	154	4.81	3.30
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	7	1722.0	1466	97.5	3.50	154	5.32	4.70
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	15	1722.0	1466	97.5	3.50	154	6.34	6.46
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	30	1722.0	1466	97.5	3.50	154	7.86	8.64
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	60	1722.0	1466	97.5	3.50	154	11.30	11.54
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	90	1722.0	1466	97.5	3.50	154	14.98	13.67
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	180	1722.0	1466	97.5	3.50	154	23.57	18.26
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	270	1722.0	1466	97.5	3.50	154	30.69	21.63
108	86100000	PASSO DO GABRIEL - RIO DAS ANTAS	365	1722.0	1466	97.5	3.50	154	37.92	24.53
109	86120000	TAINHAS - RIO TAINHAS	1	202.0	1450	18.5	2.20	20	0.44	0.25
109	86120000	TAINHAS - RIO TAINHAS	3	202.0	1450	18.5	2.20	20	0.48	0.39
109	86120000	TAINHAS - RIO TAINHAS	7	202.0	1450	18.5	2.20	20	0.55	0.56
109	86120000	TAINHAS - RIO TAINHAS	15	202.0	1450	18.5	2.20	20	0.72	0.77
109	86120000	TAINHAS - RIO TAINHAS	30	202.0	1450	18.5	2.20	20	0.94	1.03
109	86120000	TAINHAS - RIO TAINHAS	60	202.0	1450	18.5	2.20	20	1.49	1.37
109	86120000	TAINHAS - RIO TAINHAS	90	202.0	1450	18.5	2.20	20	1.92	1.63
109	86120000	TAINHAS - RIO TAINHAS	180	202.0	1450	18.5	2.20	20	3.19	2.17
109	86120000	TAINHAS - RIO TAINHAS	270	202.0	1450	18.5	2.20	20	4.26	2.57
109	86120000	TAINHAS - RIO TAINHAS	365	202.0	1450	18.5	2.20	20	5.47	2.92
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	1	344.0	1501	28.0	2.80	26	0.33	0.42
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	3	344.0	1501	28.0	2.80	26	0.33	0.67
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	7	344.0	1501	28.0	2.80	26	0.36	0.95
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	15	344.0	1501	28.0	2.80	26	0.40	1.30
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	30	344.0	1501	28.0	2.80	26	0.54	1.74
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	60	344.0	1501	28.0	2.80	26	0.73	2.33
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	90	344.0	1501	28.0	2.80	26	0.81	2.76
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	180	344.0	1501	28.0	2.80	26	2.02	3.69
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	270	344.0	1501	28.0	2.80	26	3.32	4.37
111	86200000	LAJEADO GRANDE - LAJEADO GRANDE	365	344.0	1501	28.0	2.80	26	4.99	4.95
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	1	2690.0	1546	122.5	4.50	345	6.03	3.25
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	3	2690.0	1546	122.5	4.50	345	6.30	5.14
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	7	2690.0	1546	122.5	4.50	345	6.89	7.32
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	15	2690.0	1546	122.5	4.50	345	8.20	10.07
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	30	2690.0	1546	122.5	4.50	345	9.93	13.45
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	60	2690.0	1546	122.5	4.50	345	14.16	17.97
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	90	2690.0	1546	122.5	4.50	345	17.91	21.29
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	180	2690.0	1546	122.5	4.50	345	30.91	28.44
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	270	2690.0	1546	122.5	4.50	345	45.08	33.69
112	86410000	P.BARRA DA GUAIAVEIRA - RIO TURVO	365	2690.0	1546	122.5	4.50	345	63.42	38.21

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
113	86420000	PONTE DO PRATA - RIO DO PRATA	1	320.0	1607	40.0	3.20	32	1.04	0.39
113	86420000	PONTE DO PRATA - RIO DO PRATA	3	320.0	1607	40.0	3.20	32	1.10	0.62
113	86420000	PONTE DO PRATA - RIO DO PRATA	7	320.0	1607	40.0	3.20	32	1.18	0.88
113	86420000	PONTE DO PRATA - RIO DO PRATA	15	320.0	1607	40.0	3.20	32	1.30	1.21
113	86420000	PONTE DO PRATA - RIO DO PRATA	30	320.0	1607	40.0	3.20	32	1.56	1.62
113	86420000	PONTE DO PRATA - RIO DO PRATA	60	320.0	1607	40.0	3.20	32	2.16	2.17
113	86420000	PONTE DO PRATA - RIO DO PRATA	90	320.0	1607	40.0	3.20	32	2.65	2.57
113	86420000	PONTE DO PRATA - RIO DO PRATA	180	320.0	1607	40.0	3.20	32	4.42	3.43
113	86420000	PONTE DO PRATA - RIO DO PRATA	270	320.0	1607	40.0	3.20	32	6.21	4.06
113	86420000	PONTE DO PRATA - RIO DO PRATA	365	320.0	1607	40.0	3.20	32	8.27	4.61
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	1	1265.0	1509	72.5	4.10	142	2.11	1.53
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	3	1265.0	1509	72.5	4.10	142	2.29	2.43
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	7	1265.0	1509	72.5	4.10	142	2.54	3.46
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	15	1265.0	1509	72.5	4.10	142	2.93	4.76
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	30	1265.0	1509	72.5	4.10	142	3.61	6.36
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	60	1265.0	1509	72.5	4.10	142	5.96	8.49
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	90	1265.0	1509	72.5	4.10	142	7.77	10.06
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	180	1265.0	1509	72.5	4.10	142	14.34	13.44
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	270	1265.0	1509	72.5	4.10	142	21.78	15.92
114	86480000	PASSO MIGLIAVACA - RIO CARREIRO	365	1265.0	1509	72.5	4.10	142	30.13	18.06
115	86500000	PASSO CARREIRO - RIO CARREIRO	1	1819.0	1576	179.0	2.10	184	2.34	2.20
115	86500000	PASSO CARREIRO - RIO CARREIRO	3	1819.0	1576	179.0	2.10	184	2.56	3.48
115	86500000	PASSO CARREIRO - RIO CARREIRO	7	1819.0	1576	179.0	2.10	184	2.88	4.96
115	86500000	PASSO CARREIRO - RIO CARREIRO	15	1819.0	1576	179.0	2.10	184	3.67	6.83
115	86500000	PASSO CARREIRO - RIO CARREIRO	30	1819.0	1576	179.0	2.10	184	4.76	9.12
115	86500000	PASSO CARREIRO - RIO CARREIRO	60	1819.0	1576	179.0	2.10	184	7.70	12.18
115	86500000	PASSO CARREIRO - RIO CARREIRO	90	1819.0	1576	179.0	2.10	184	10.53	14.43
115	86500000	PASSO CARREIRO - RIO CARREIRO	180	1819.0	1576	179.0	2.10	184	18.65	19.28
115	86500000	PASSO CARREIRO - RIO CARREIRO	270	1819.0	1576	179.0	2.10	184	27.60	22.84
115	86500000	PASSO CARREIRO - RIO CARREIRO	365	1819.0	1576	179.0	2.10	184	38.86	25.90
116	86510000	MUCUM - RIO TAQUARI	1	14942.0	1563	366.0	2.41	1493	34.86	17.83
116	86510000	MUCUM - RIO TAQUARI	3	14942.0	1563	366.0	2.41	1493	35.94	28.23
116	86510000	MUCUM - RIO TAQUARI	7	14942.0	1563	366.0	2.41	1493	38.78	40.22
116	86510000	MUCUM - RIO TAQUARI	15	14942.0	1563	366.0	2.41	1493	44.07	55.30
116	86510000	MUCUM - RIO TAQUARI	30	14942.0	1563	366.0	2.41	1493	53.50	73.88
116	86510000	MUCUM - RIO TAQUARI	60	14942.0	1563	366.0	2.41	1493	77.76	98.70
116	86510000	MUCUM - RIO TAQUARI	90	14942.0	1563	366.0	2.41	1493	95.64	116.92
116	86510000	MUCUM - RIO TAQUARI	180	14942.0	1563	366.0	2.41	1493	155.73	156.20
116	86510000	MUCUM - RIO TAQUARI	270	14942.0	1563	366.0	2.41	1493	230.04	185.04
116	86510000	MUCUM - RIO TAQUARI	365	14942.0	1563	366.0	2.41	1493	316.85	209.88
117	85580000	SANTA LUCIA - RIO GUAPORE	1	2413.0	1736	181.0	3.09	287	6.43	2.91
117	85580000	SANTA LUCIA - RIO GUAPORE	3	2413.0	1736	181.0	3.09	287	6.70	4.61
117	85580000	SANTA LUCIA - RIO GUAPORE	7	2413.0	1736	181.0	3.09	287	7.15	6.57
117	85580000	SANTA LUCIA - RIO GUAPORE	15	2413.0	1736	181.0	3.09	287	8.13	9.04
117	85580000	SANTA LUCIA - RIO GUAPORE	30	2413.0	1736	181.0	3.09	287	9.73	12.07
117	85580000	SANTA LUCIA - RIO GUAPORE	60	2413.0	1736	181.0	3.09	287	14.14	16.13
117	85580000	SANTA LUCIA - RIO GUAPORE	90	2413.0	1736	181.0	3.09	287	18.52	19.11
117	85580000	SANTA LUCIA - RIO GUAPORE	180	2413.0	1736	181.0	3.09	287	28.17	25.53
117	85580000	SANTA LUCIA - RIO GUAPORE	270	2413.0	1736	181.0	3.09	287	42.28	30.24
117	85580000	SANTA LUCIA - RIO GUAPORE	365	2413.0	1736	181.0	3.09	287	58.43	34.30

No	CODIGO DA ESTACAO	NOME DA ESTACAO E CURSO D'AGUA	DURACAO dias	AREA DA BACIA km2	PRECIPIT ANUAL mm	COMPR TALV km	DECLIV TALV m/km	NUMERO CONFL No	VAZAO MINIMA m3/s	VAZAO CALCULADA m3/s
118	86700000	PONTE JACARE - ARROIO JACARE	1	408.0	1697	42.5	12.36	25	0.73	0.50
118	86700000	PONTE JACARE - ARROIO JACARE	3	408.0	1697	42.5	12.36	25	0.77	0.79
118	86700000	PONTE JACARE - ARROIO JACARE	7	408.0	1697	42.5	12.36	25	0.83	1.12
118	86700000	PONTE JACARE - ARROIO JACARE	15	408.0	1697	42.5	12.36	25	0.98	1.55
118	86700000	PONTE JACARE - ARROIO JACARE	30	408.0	1697	42.5	12.36	25	1.24	2.07
118	86700000	PONTE JACARE - ARROIO JACARE	60	408.0	1697	42.5	12.36	25	1.88	2.76
118	86700000	PONTE JACARE - ARROIO JACARE	90	408.0	1697	42.5	12.36	25	2.54	3.27
118	86700000	PONTE JACARE - ARROIO JACARE	180	408.0	1697	42.5	12.36	25	4.14	4.37
118	86700000	PONTE JACARE - ARROIO JACARE	270	408.0	1697	42.5	12.36	25	6.44	5.17
118	86700000	PONTE JACARE - ARROIO JACARE	365	408.0	1697	42.5	12.36	25	9.30	5.87
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	1	799.0	1681	95.0	6.73	73	1.02	0.97
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	3	799.0	1681	95.0	6.73	73	1.08	1.54
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	7	799.0	1681	95.0	6.73	73	1.18	2.19
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	15	799.0	1681	95.0	6.73	73	1.33	3.01
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	30	799.0	1681	95.0	6.73	73	1.71	4.03
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	60	799.0	1681	95.0	6.73	73	3.64	5.38
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	90	799.0	1681	95.0	6.73	73	5.17	6.37
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	180	799.0	1681	95.0	6.73	73	8.71	8.51
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	270	799.0	1681	95.0	6.73	73	15.10	10.09
119	86745000	PASSO DO COIMBRA - RIO FORQUETA	365	799.0	1681	95.0	6.73	73	21.17	11.44