MOYSÉS GONSALEZ TESSLER

SEDIMENTAÇÃO ATUAL NA REGIÃO LAGUNAR DE CANANÉIA - IGUAPE ESTADO DE SAO PAULO

VOLUME II

ILUSTRAÇÕES E TABELAS

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PROF. DR. KENITIRO SUGUIO

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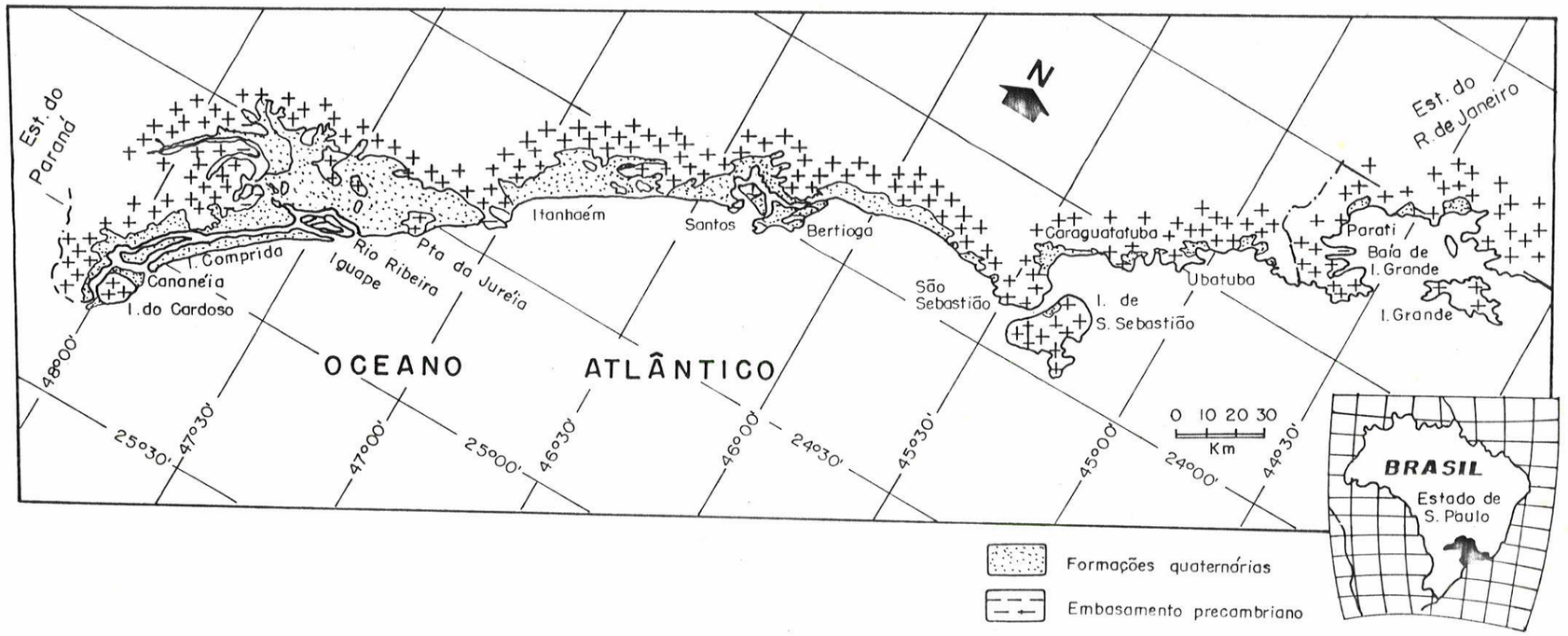


Fig. 1 - Formações quaternárias do litoral do Estado de São Paulo e Sul Fluminense (Suguio e Martin, 1978).

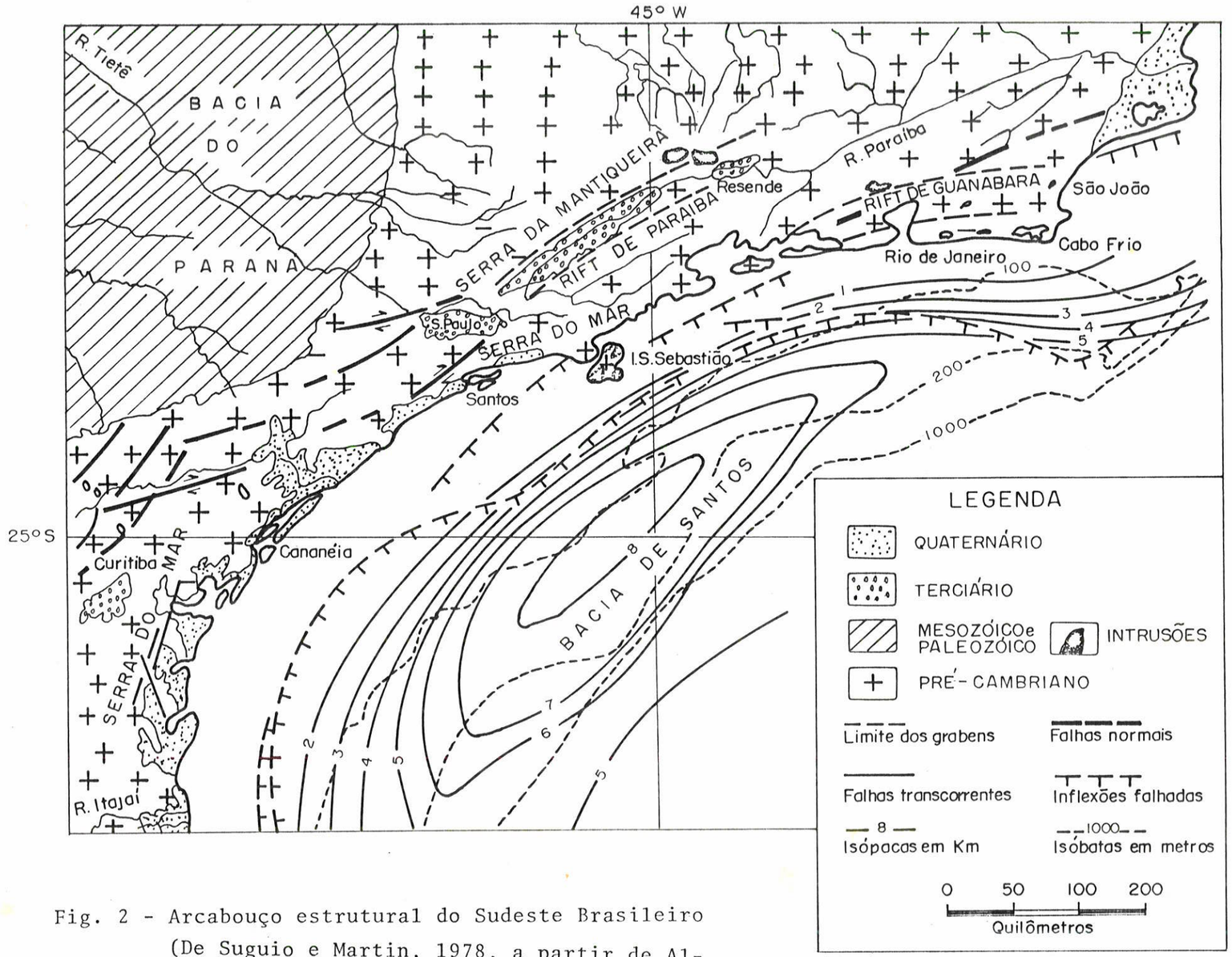


Fig. 2 - Arcabouço estrutural do Sudeste Brasileiro (De Suguio e Martin, 1978, a partir de Almeida, 1975).

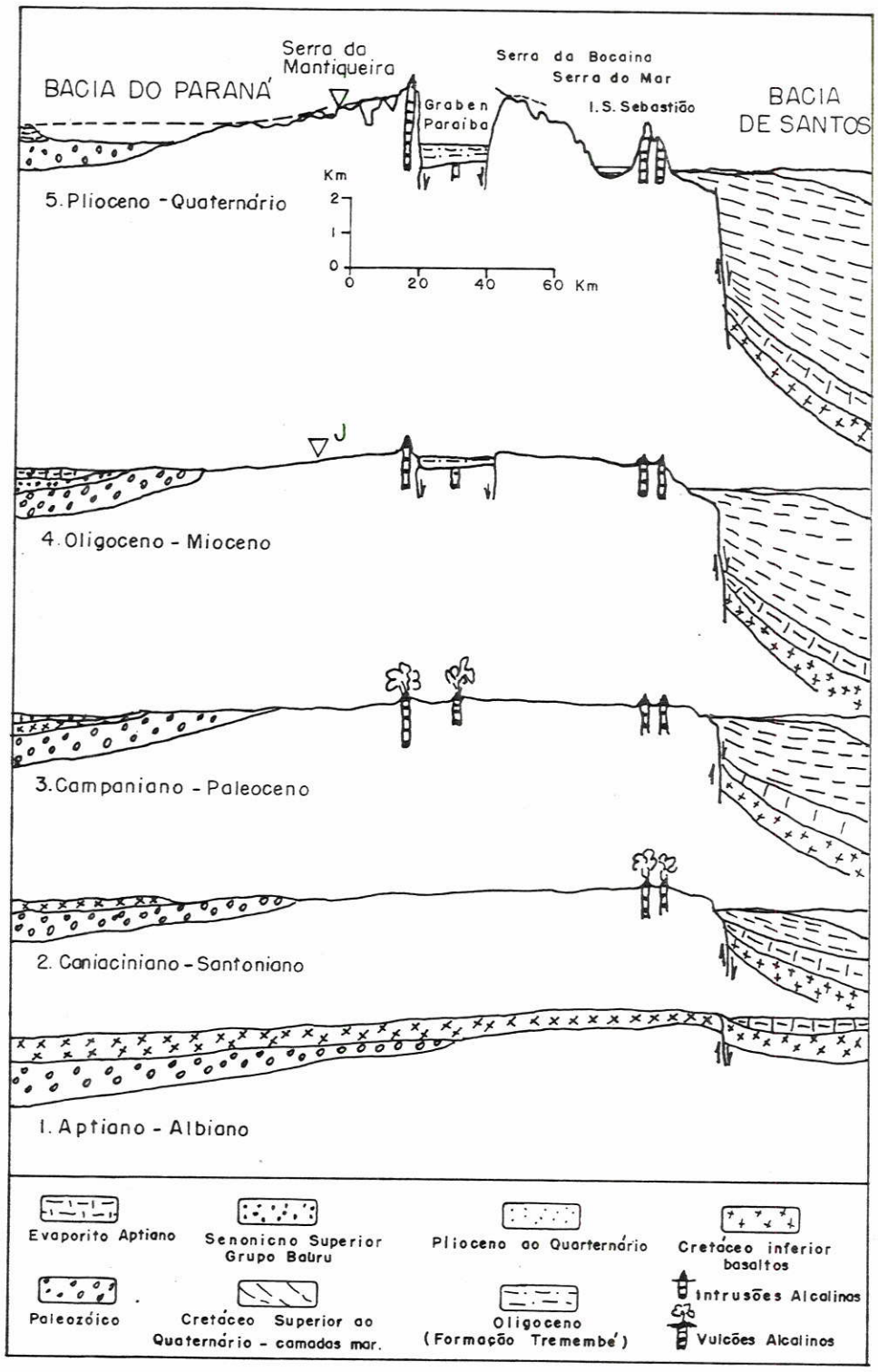


Fig. 3 - Possível evolução tectono-magmática da margem continental da Bacia de Santos (Almeida, 1975).

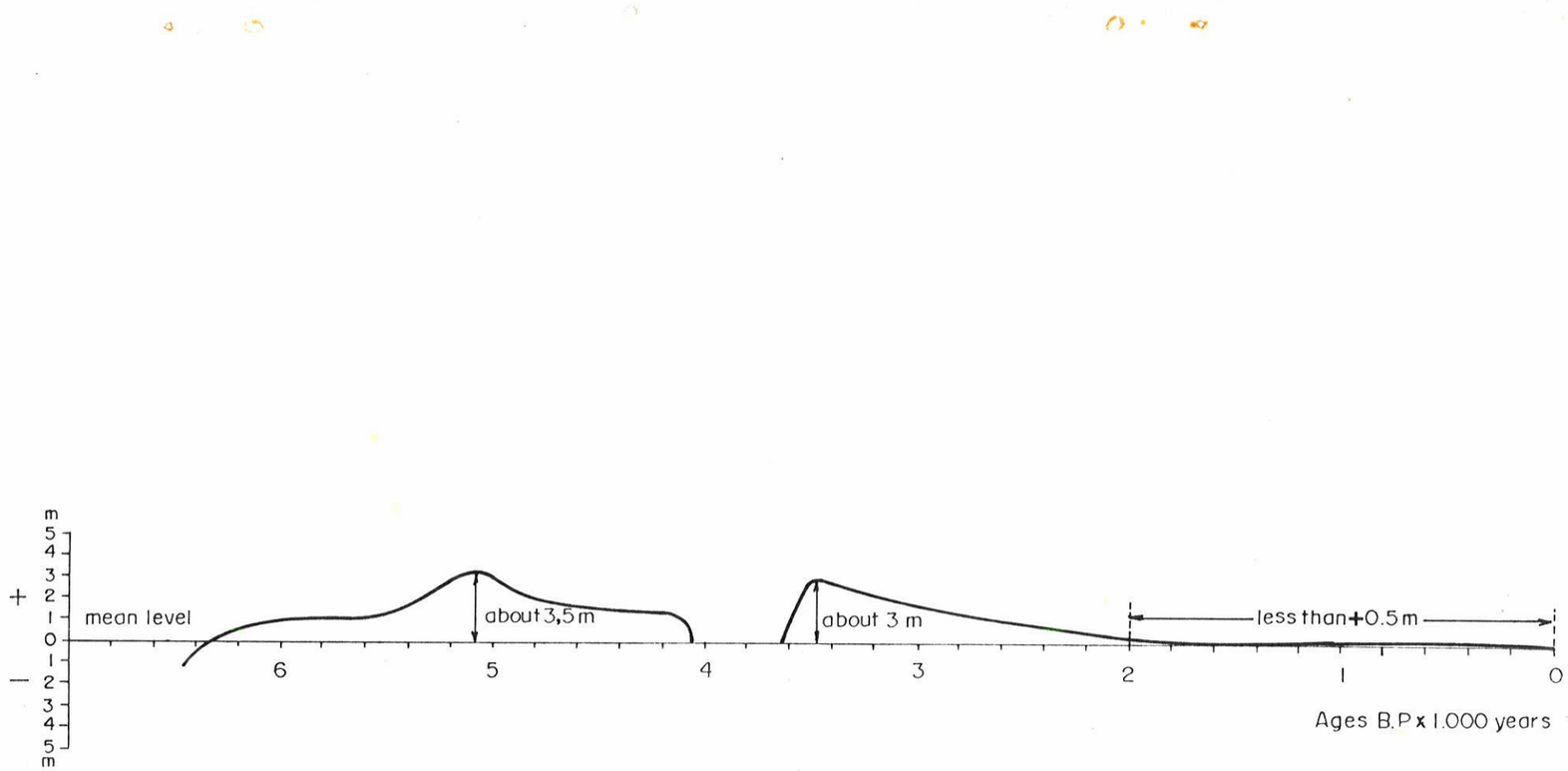


Fig. 4 - Curva de variação do nível relativo marinho na região costeira de Cananéia-Iguape (Suguio e Martin, 1978).

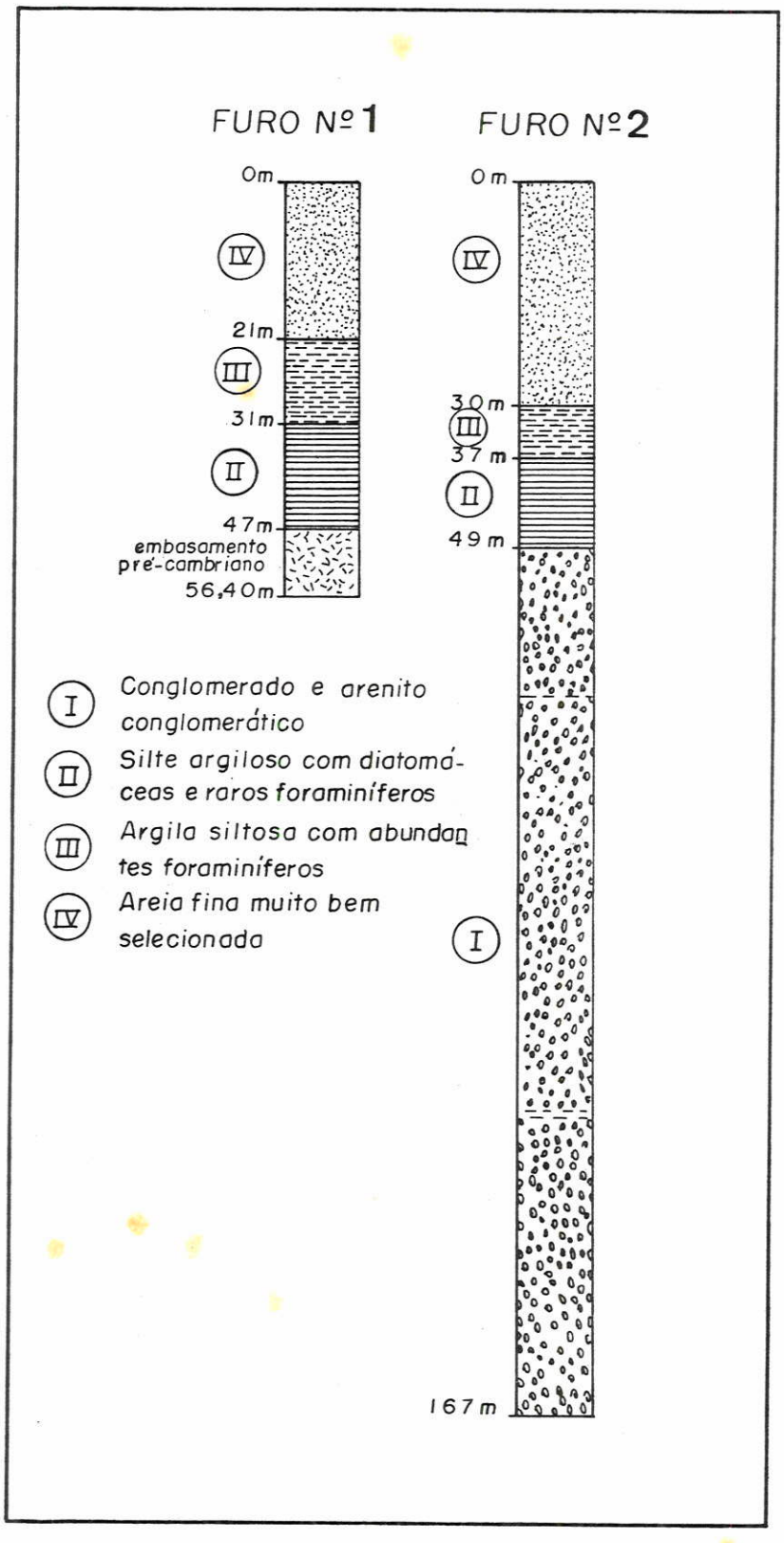
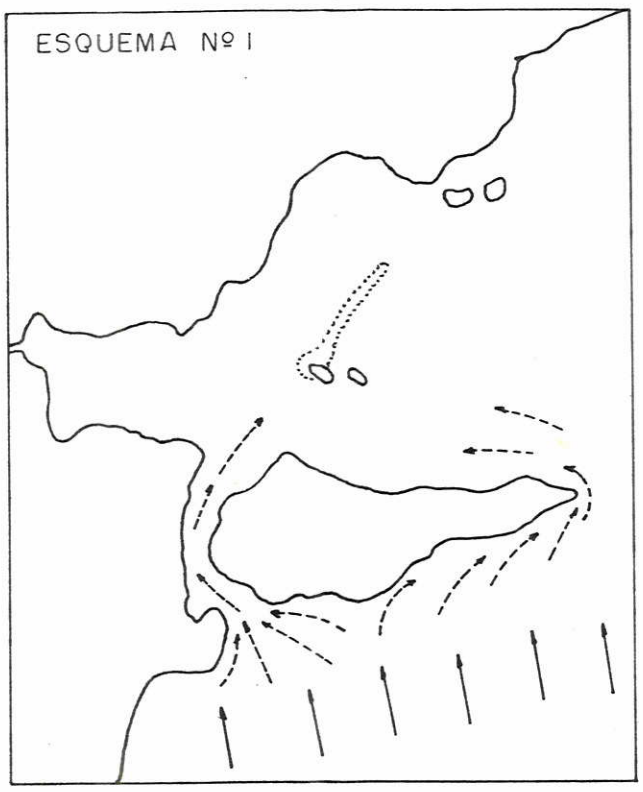
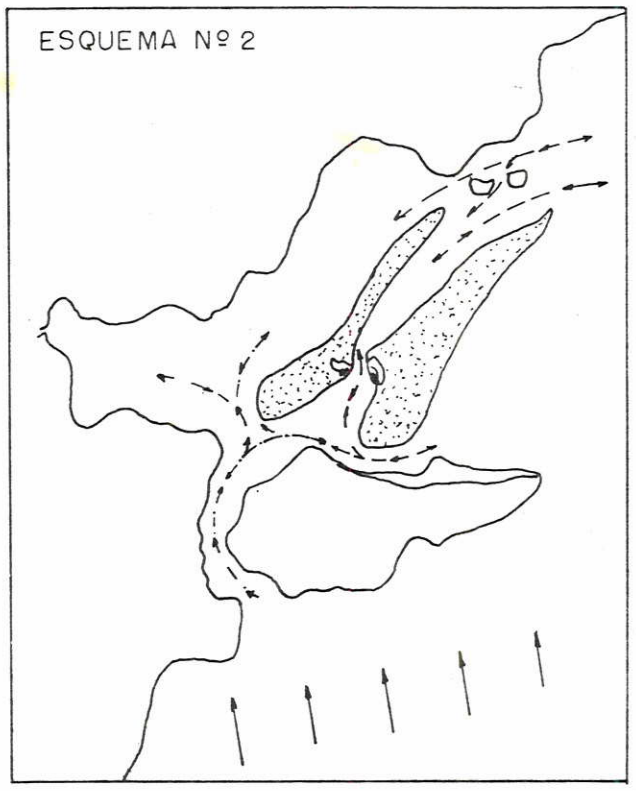


Fig. 5 - Estratigrafia dos poços do Instituto Geológico (Petri e Suguio, 1971a).





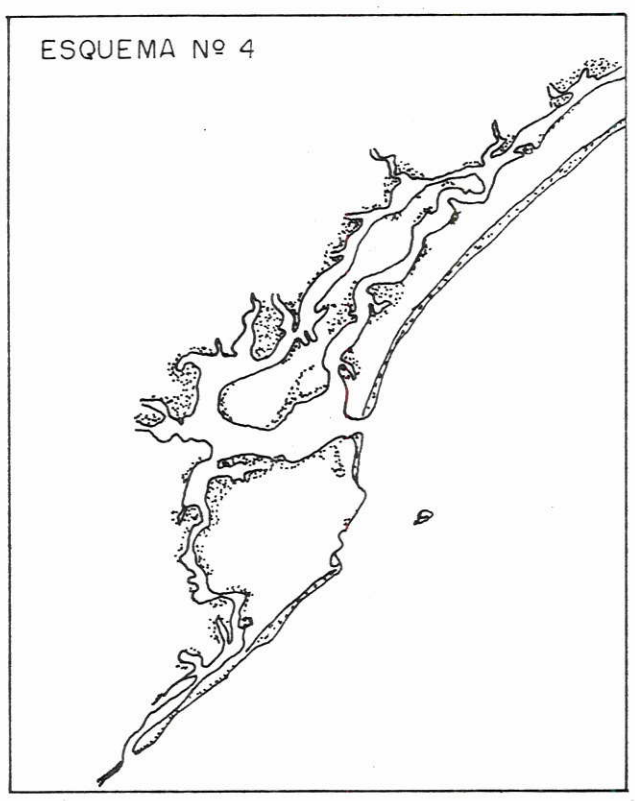
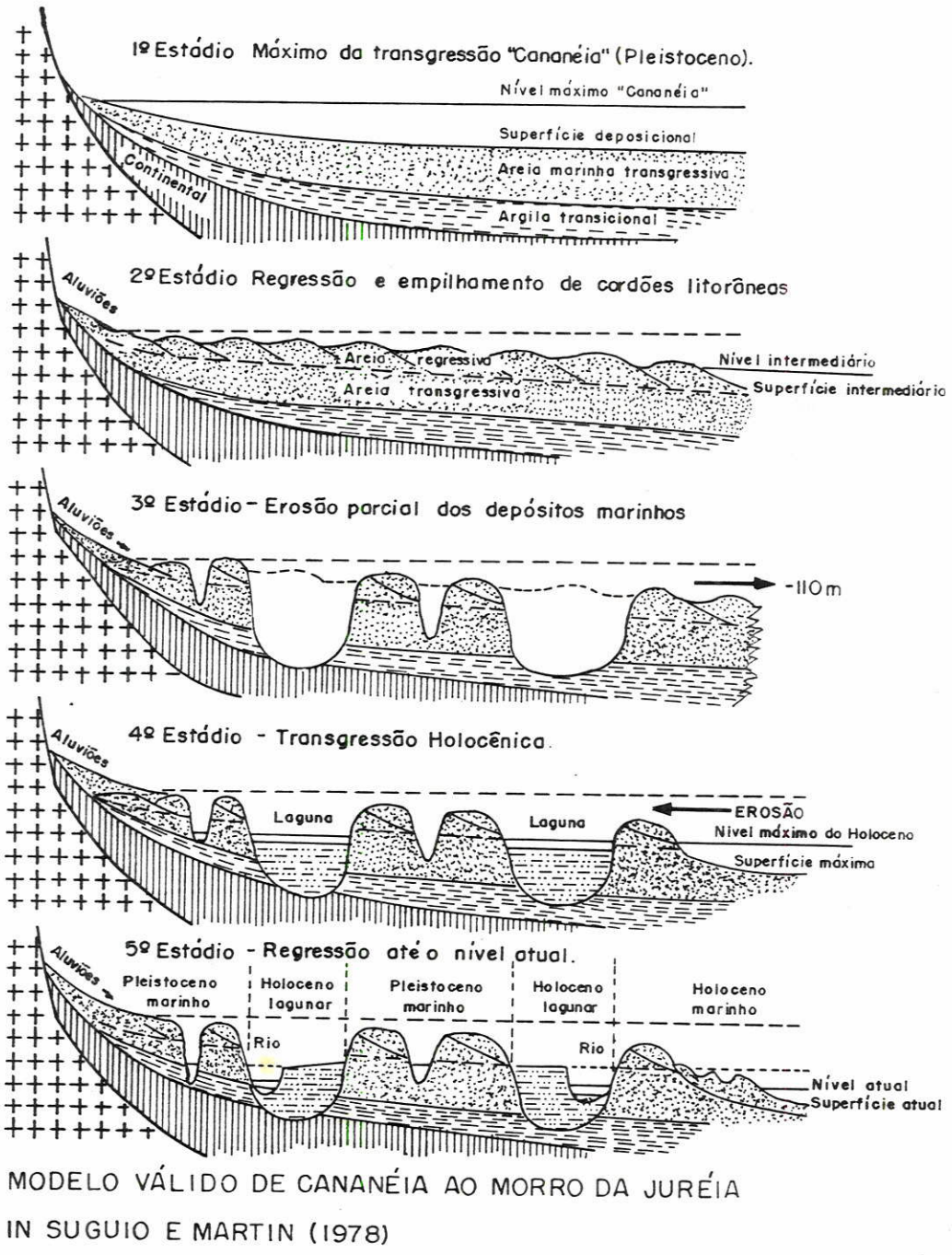


Fig. 6 - Ensaio hipotético sobre a gênese da região lagunar de Cananéia - Iguape (Besnard, 1950).



MODELO VÁLIDO DE CANANÉIA AO MORRO DA JURÉIA
IN SUGUIO E MARTIN (1978)

Fig. 7 - Estádios de formação da planície idealizados para a região Cananéia - Iguape.

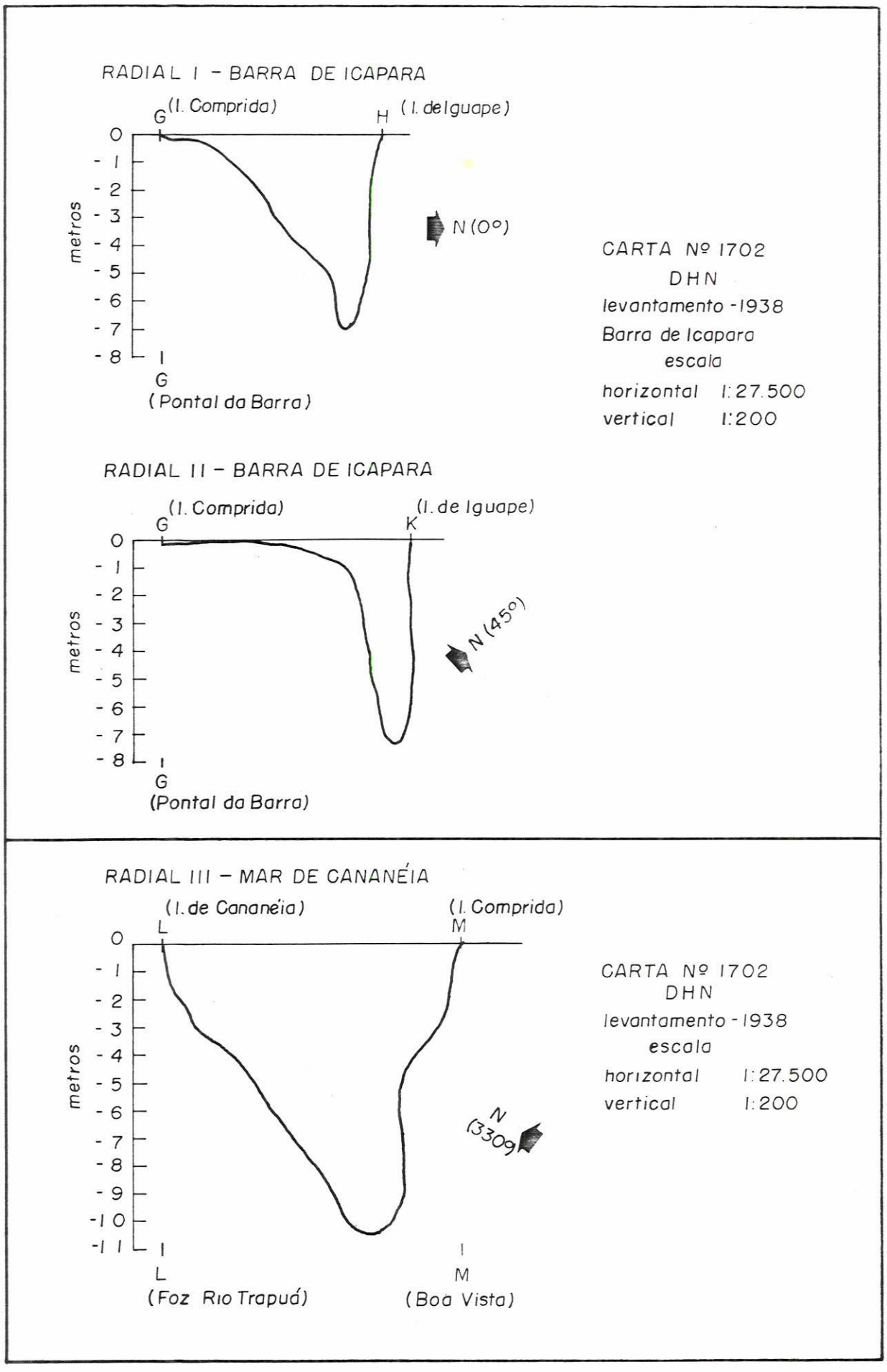


Fig. 8 - Perfis batimétricos dos canais lagunares e barra de Icapara (DHN, 1938).

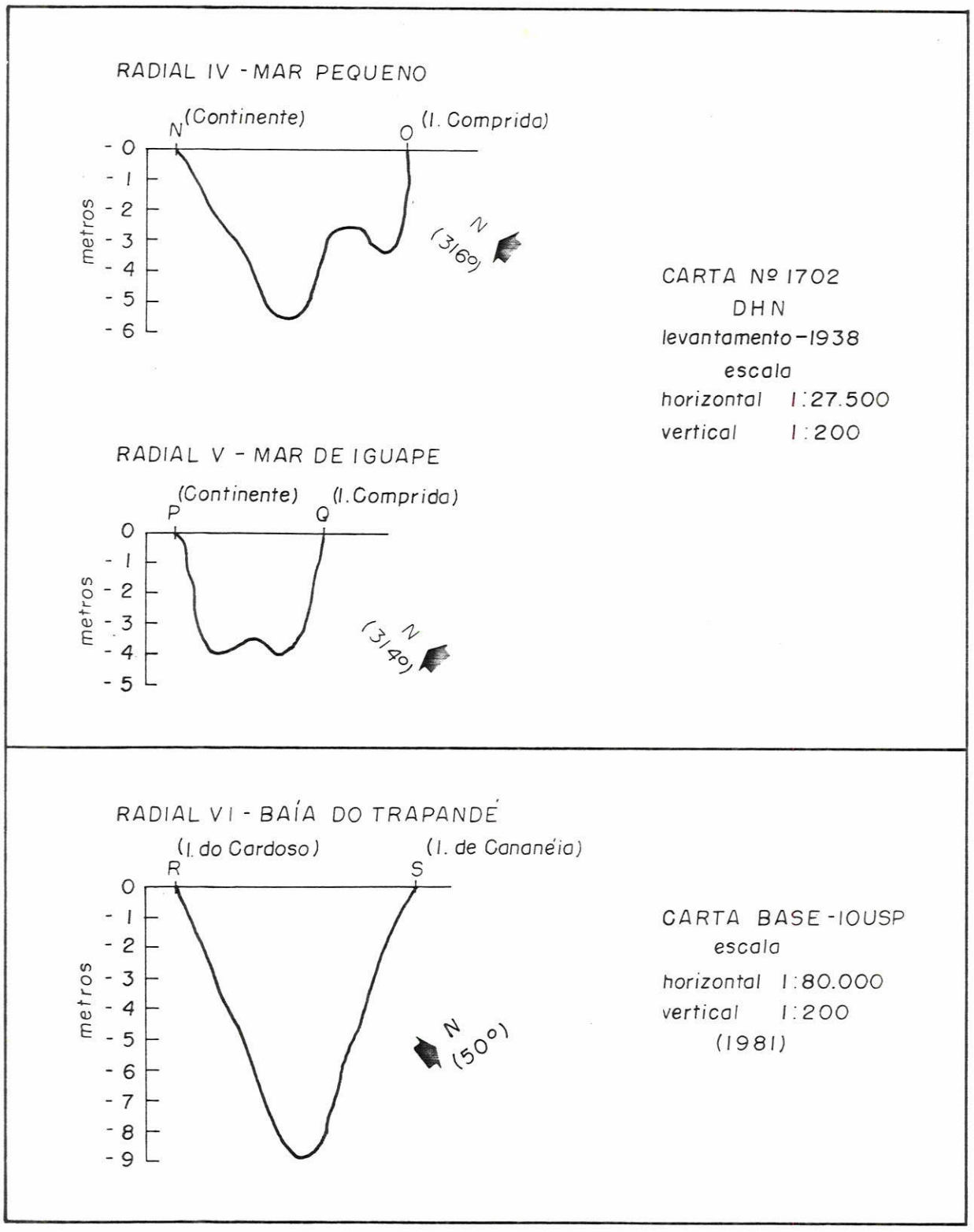


Fig. 9 - Perfis batimétricos dos canais lagunares (DHN, I.O.USP, 1981).

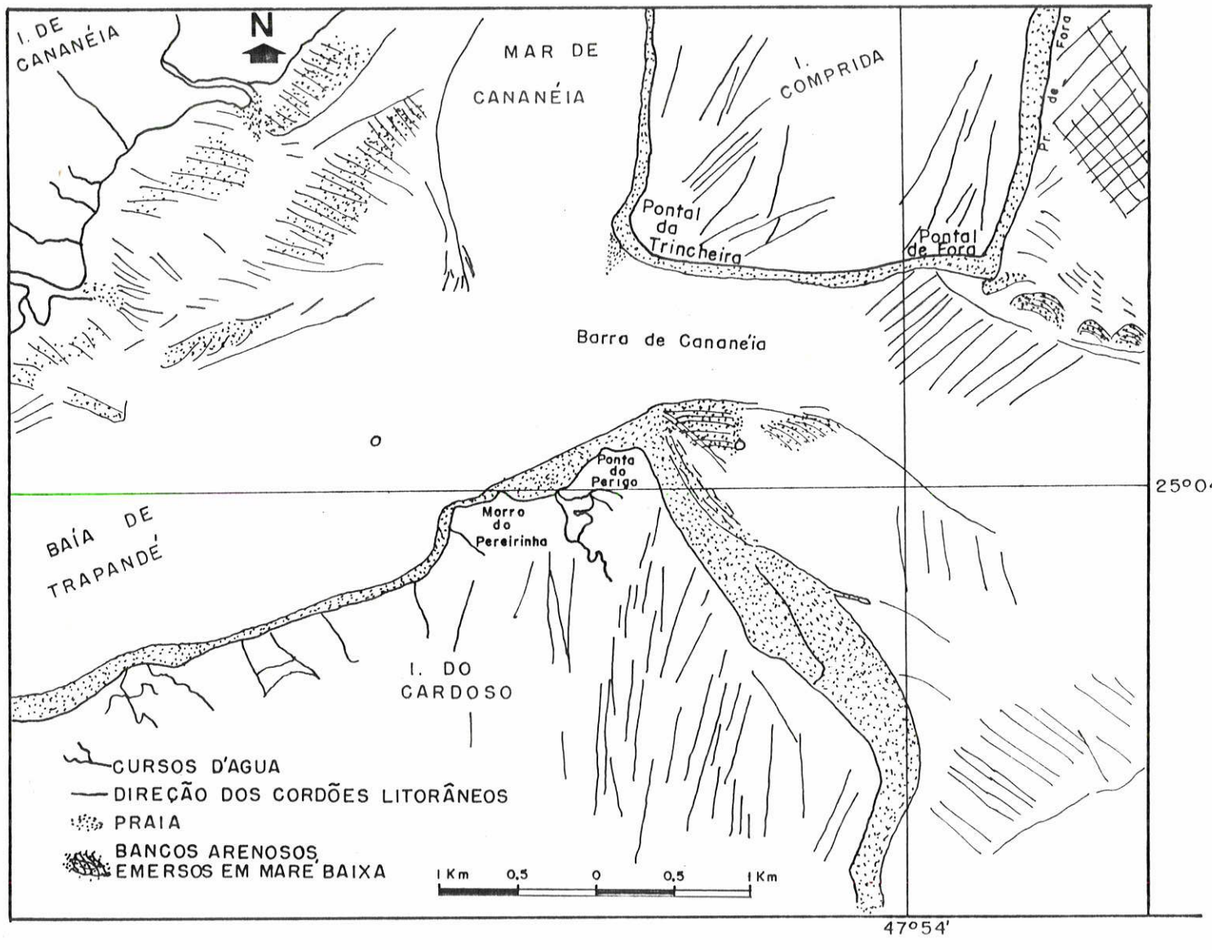
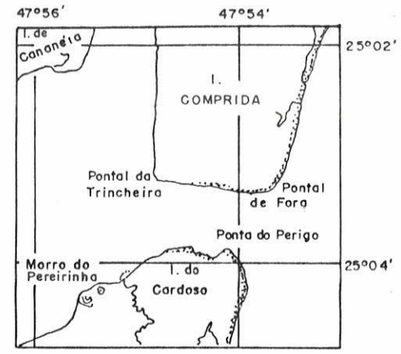
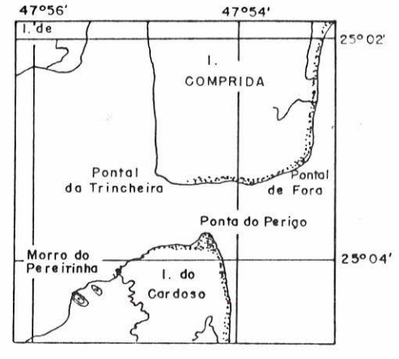


Fig. 10 - Carta esquemática da barra de Cananéia, São Paulo; elaborada a partir de fotos aéreas de 1973.



10a) Carta esquemática da região da barra de Cananéia em 1938 (Carta nº 1702 - DHN - 1938). (Petri e Suguio, 1971)



10b) Carta esquemática da região da barra de Cananéia em 1954 - Fotos aéreas. (Petri e Suguio, 1971)

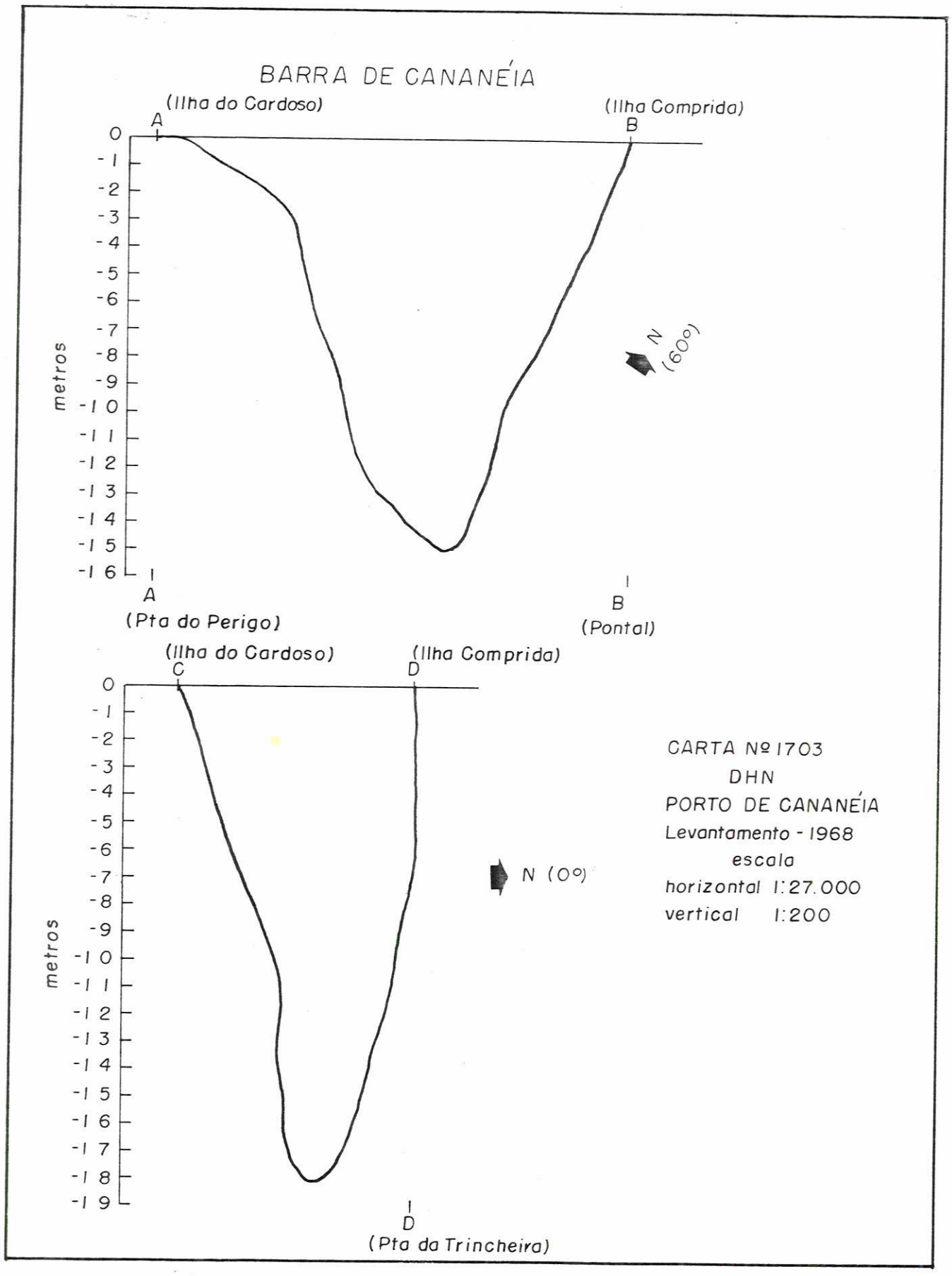


Fig. 11 - Perfis batimétricos da região da barra de Cananéia (DHN, 1968).

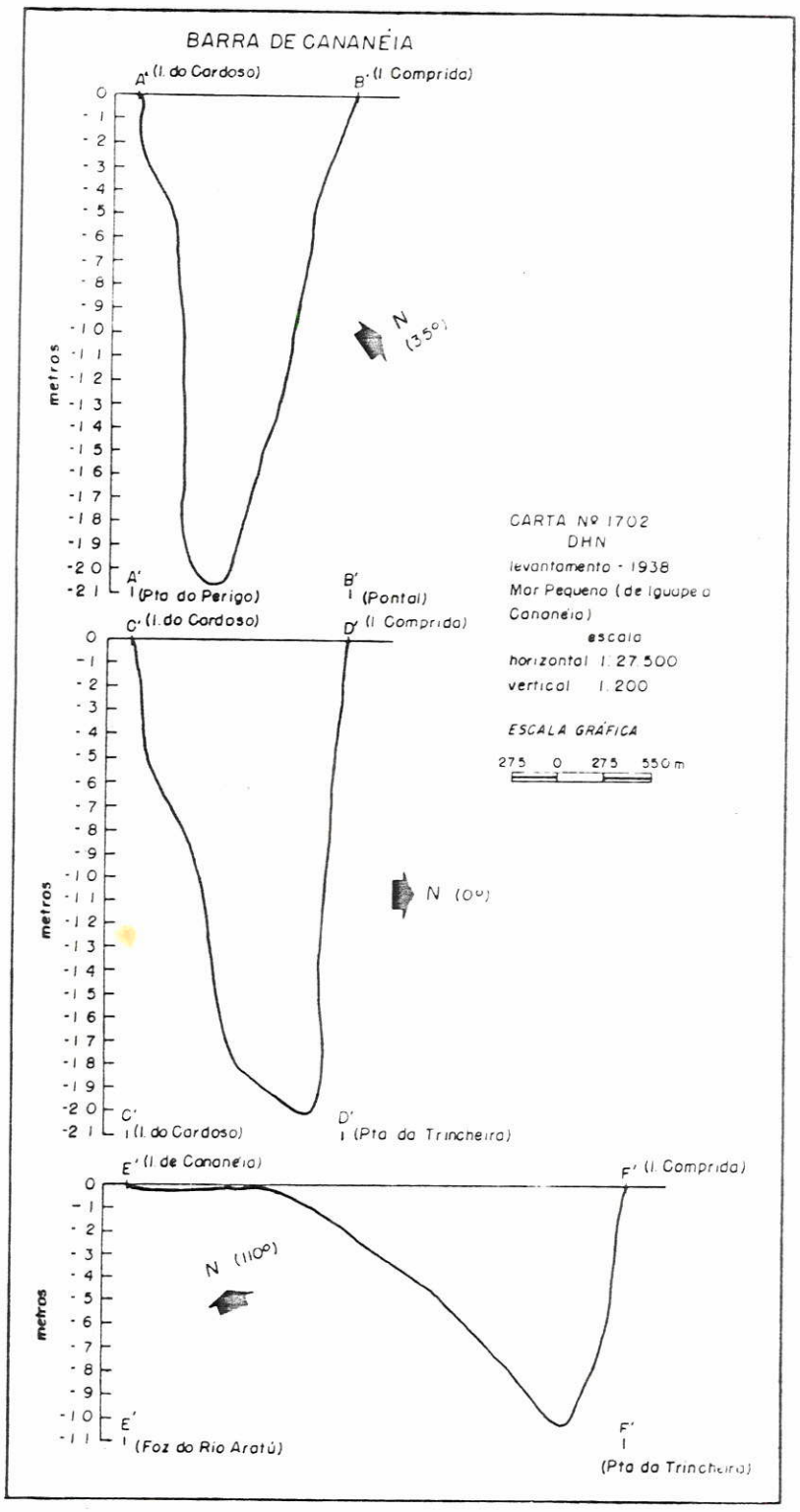
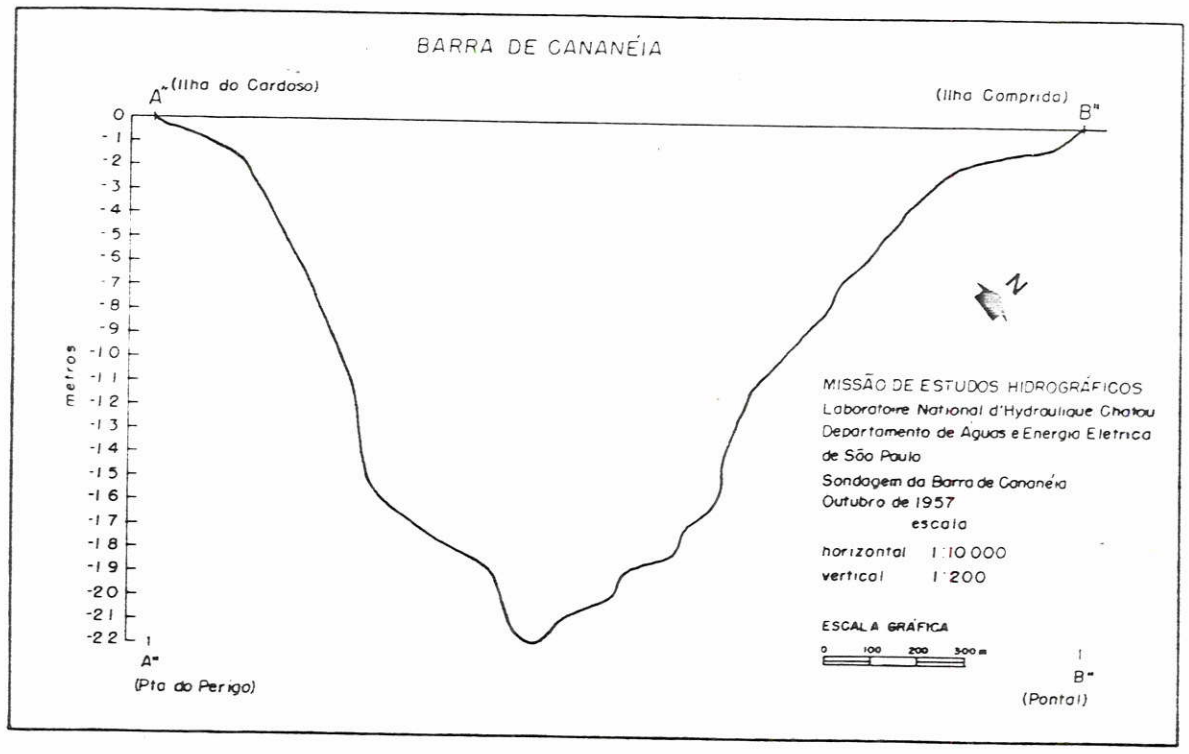


Fig. 12 - Perfis batimétricos da região da barra de Cananéia (DHN, 1938).



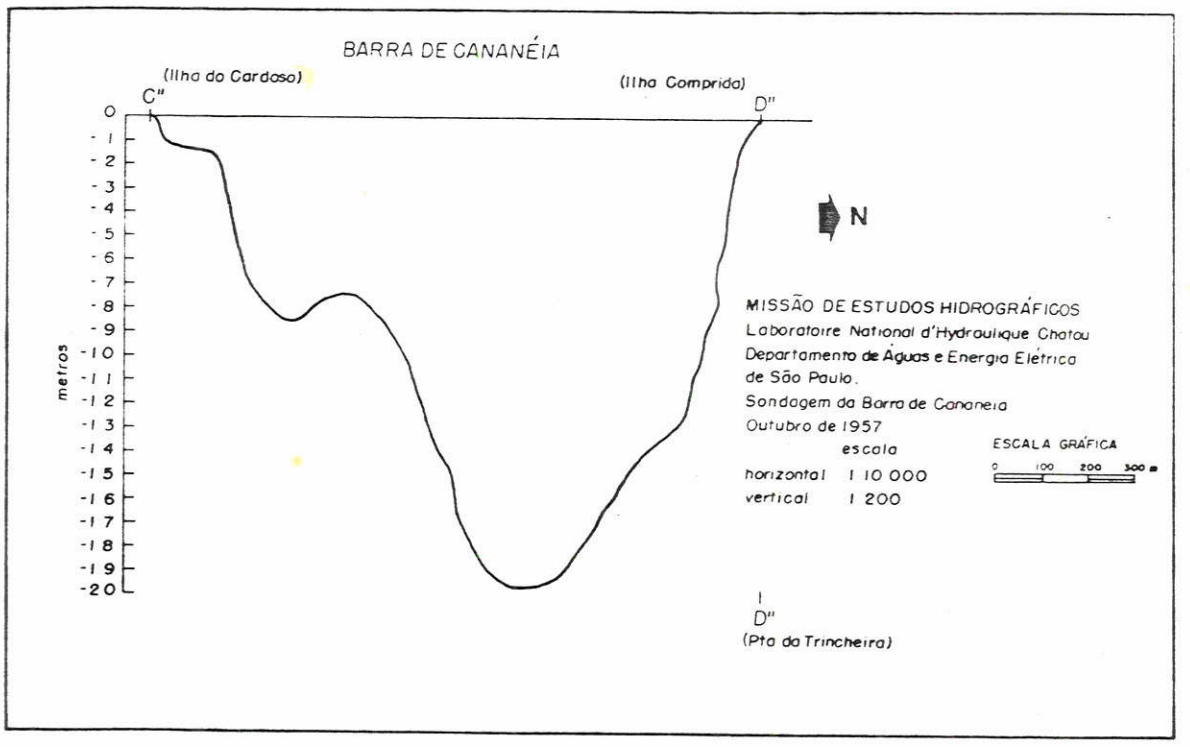
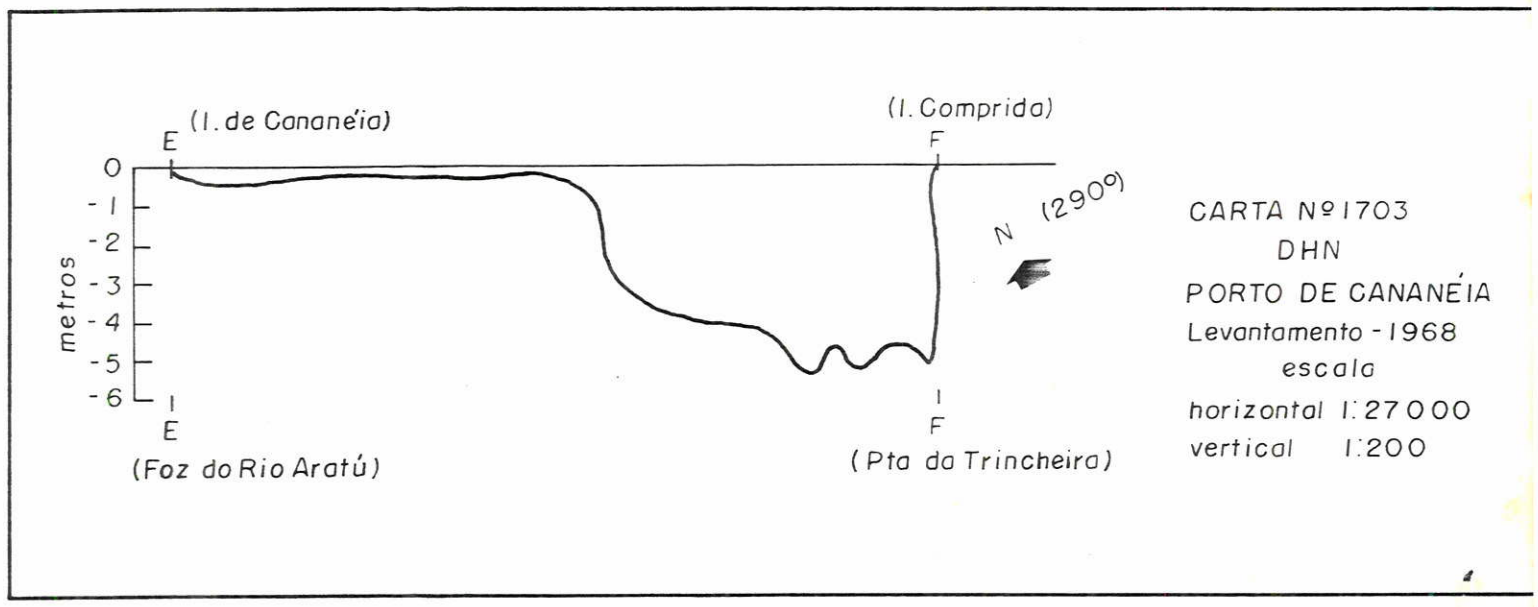


Fig. 12a - Perfis batimétricos da região da barra de Cananéia; missão hidrográfica francesa (1957).



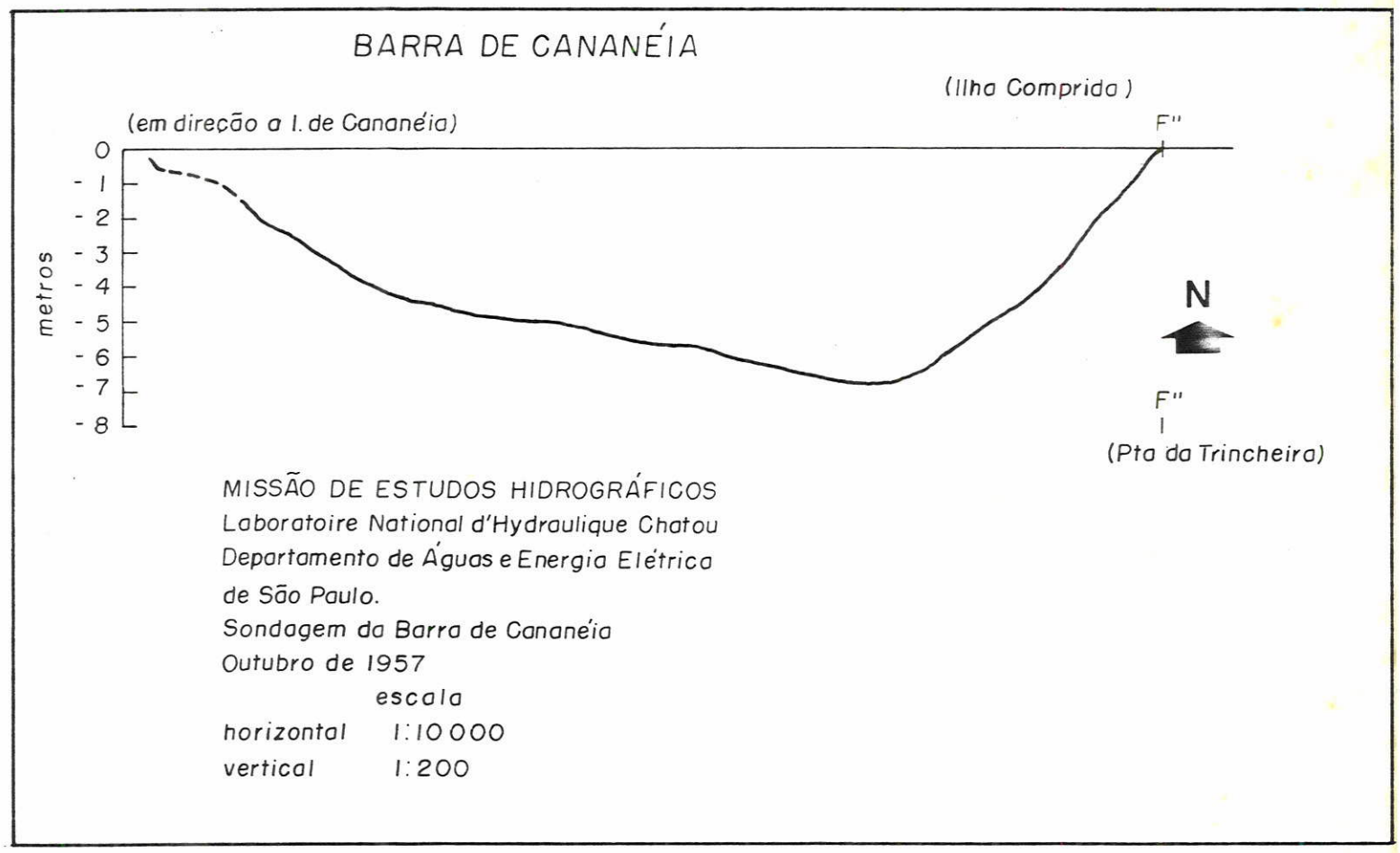
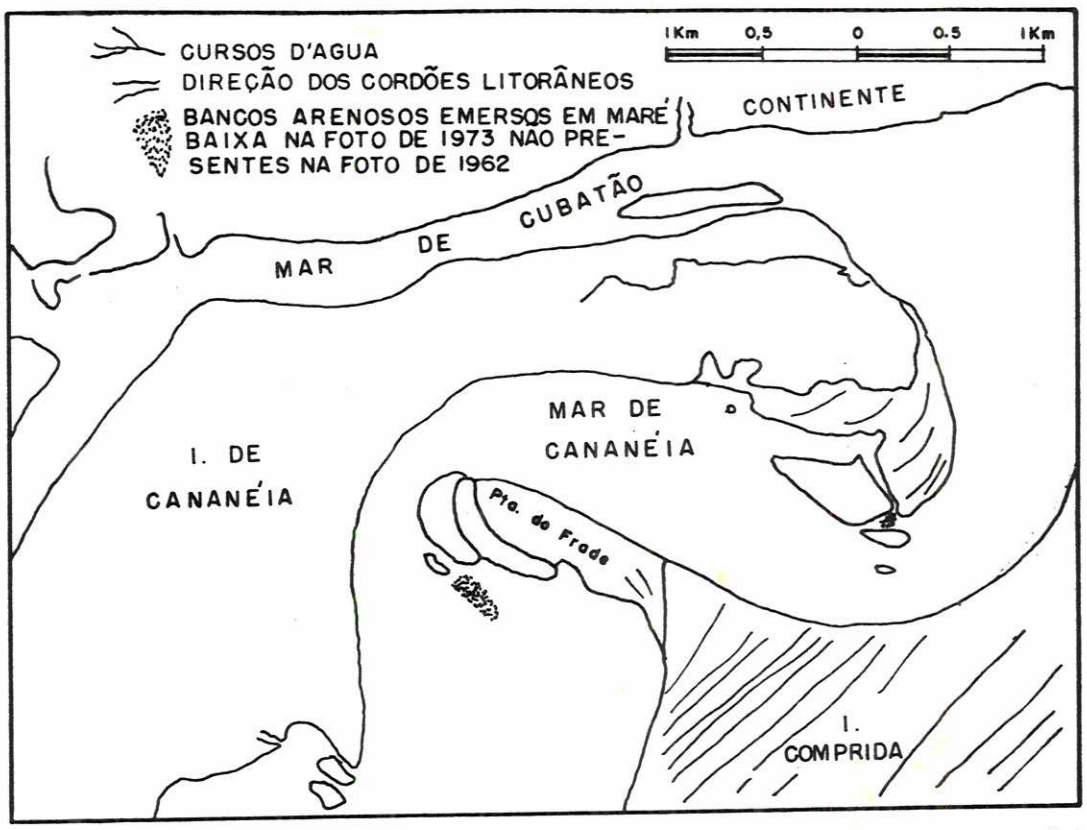


Fig. 13 - Perfis batimétricos da região da entrada do mar de Cananéia (1938, 1957).



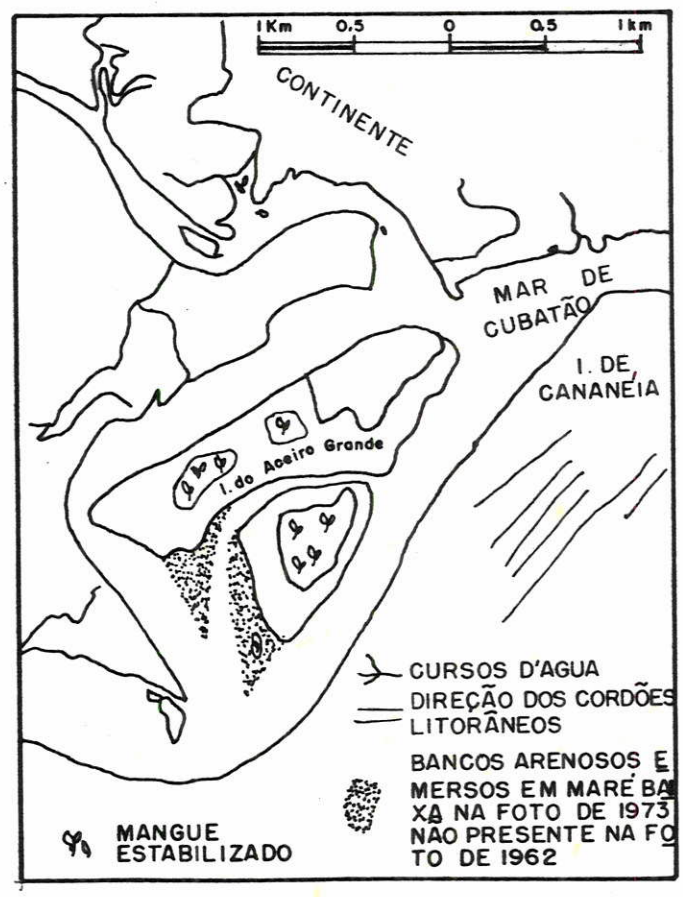


Fig. 14 - Comparação esquemática das regiões dos mares de Cananéia e Cubatão baseada em levantamentos aerofotográmétricos de 1962 e 1973.

Escala das fotos: 1:25.000

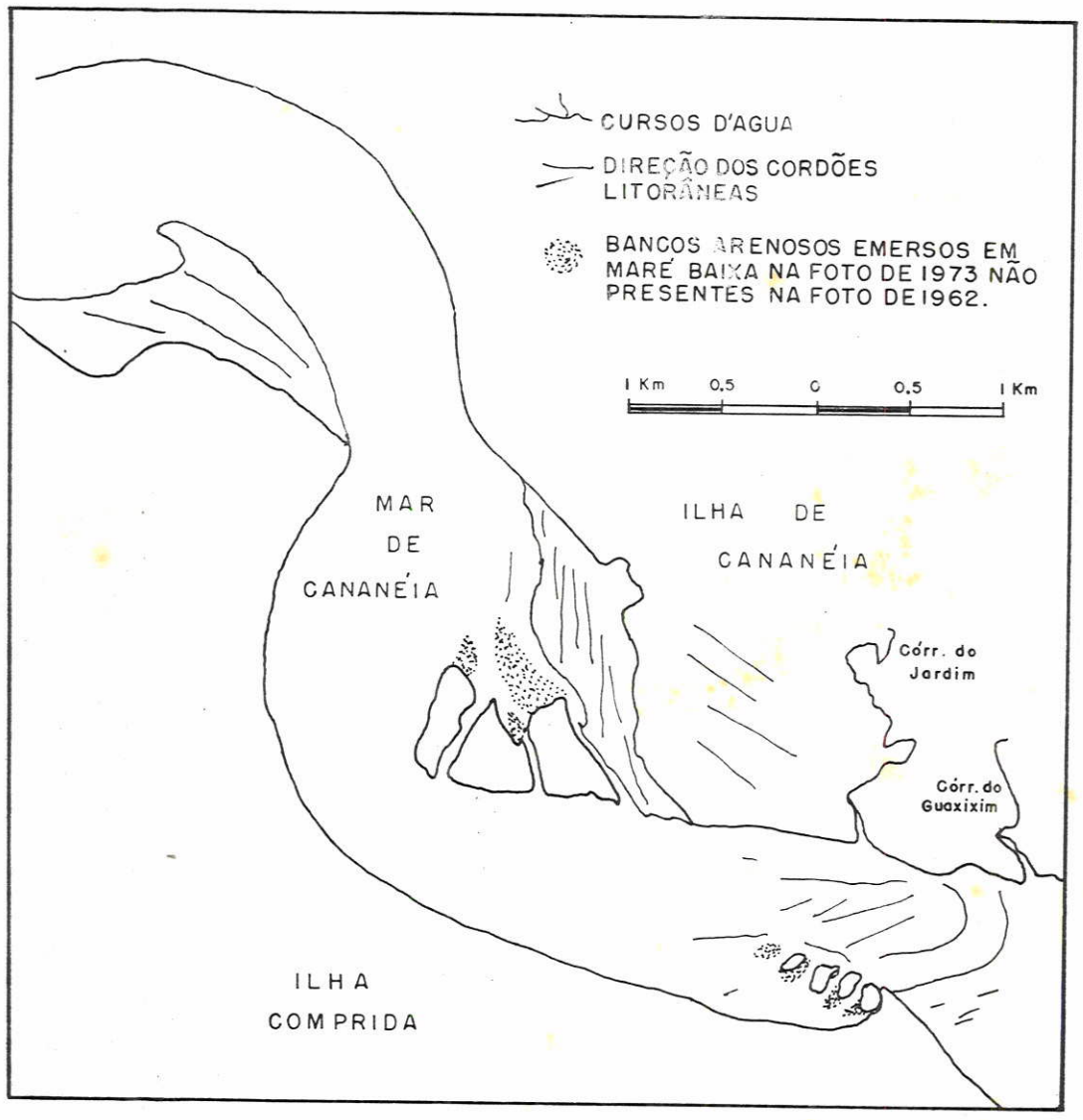


Fig. 15 - Comparação esquemática da região do mar de Cananéia baseada em levantamentos aerofotogamétricos de 1962 e 1973.
Escala das fotos - 1: 25.000

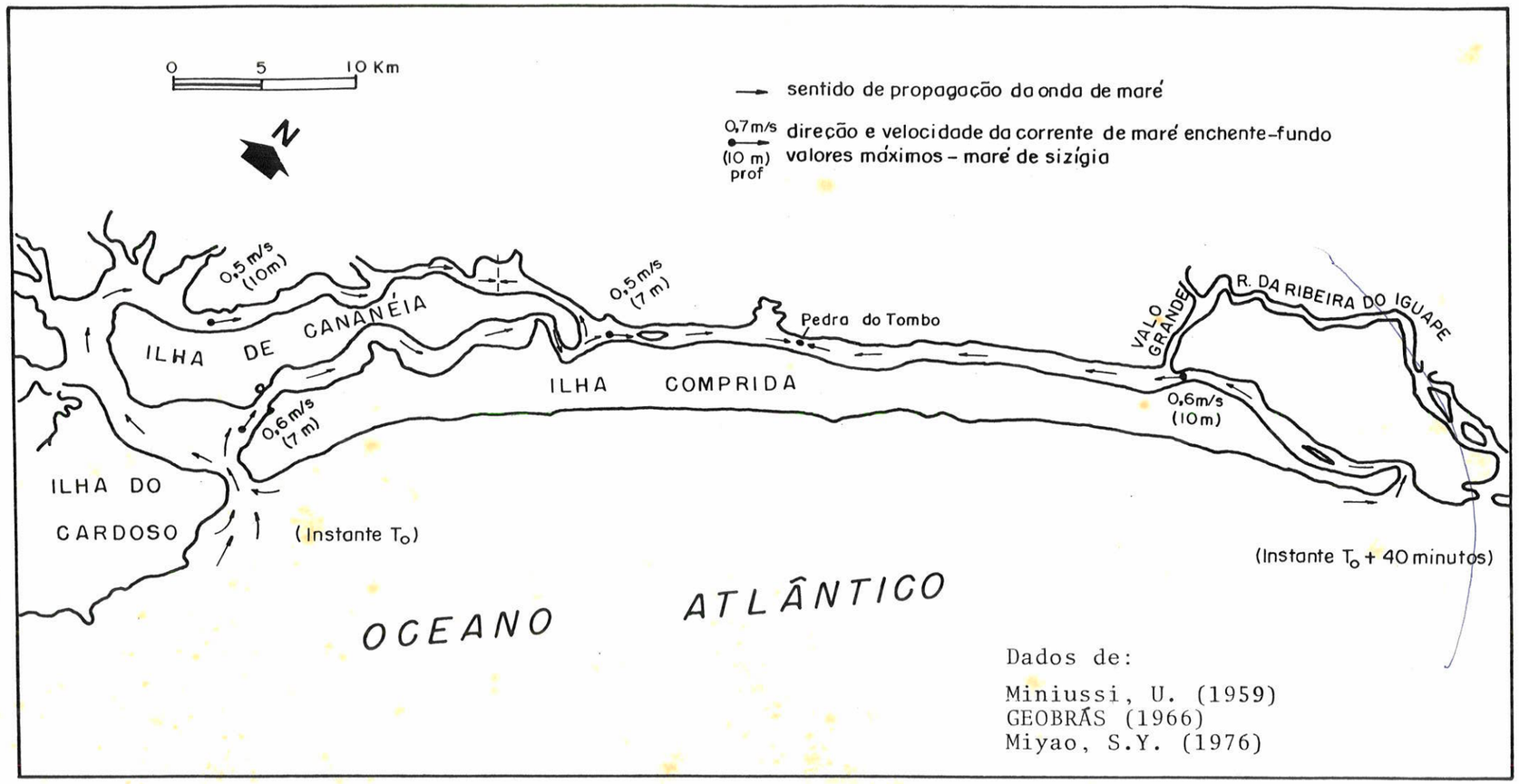


Fig. 16 - Esquema geral de propagação da onda de maré (preamar) na região lagunar de Cananéia-Iguape. Direção e velocidade de corrente de maré enchente (fundo).

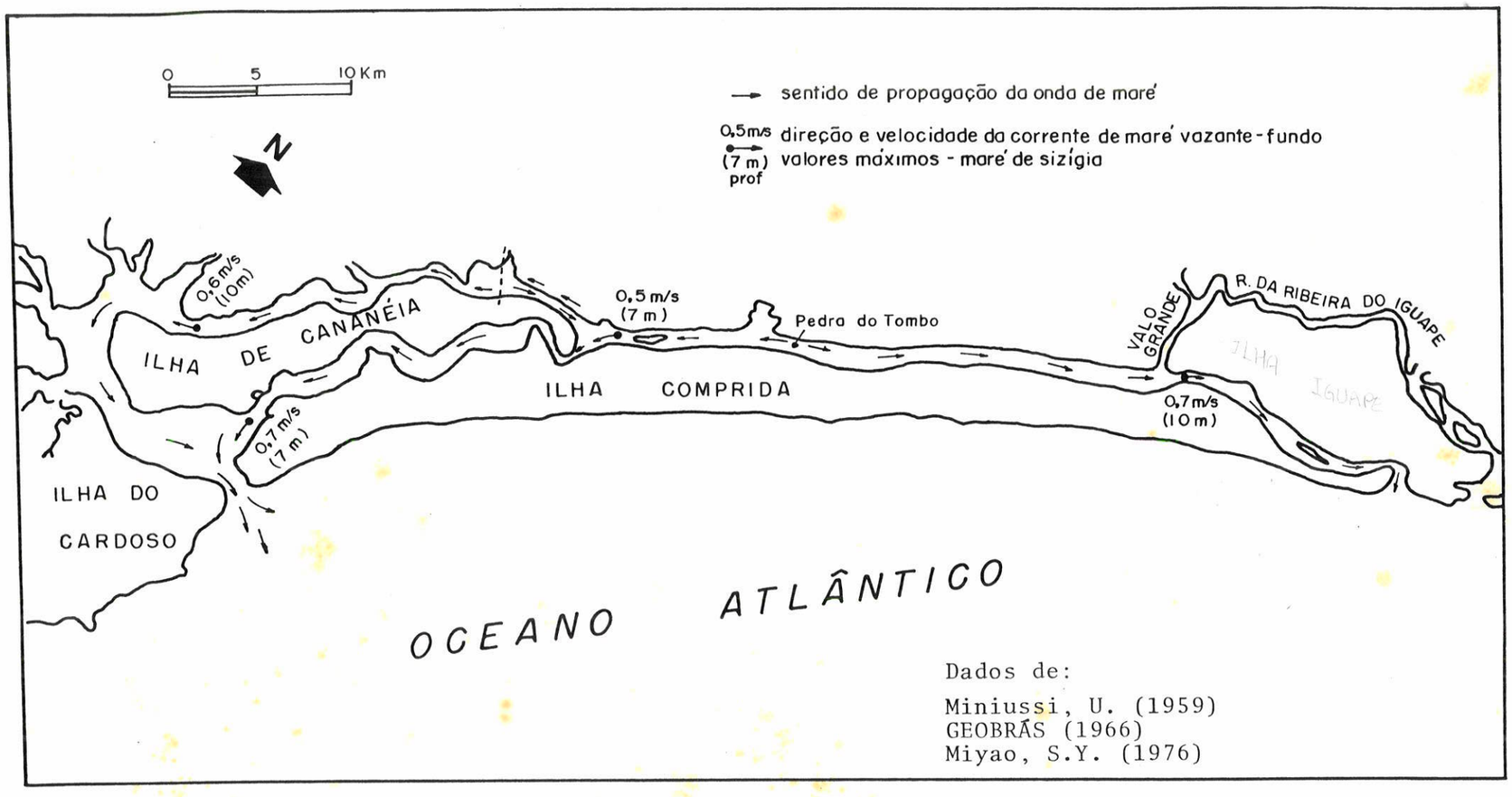


Fig. 17 - Esquema geral de propagação da onda de maré (baixamar) na região lagunar de Cananéia - Iguape. Direção e velocidade da corrente de maré vazante (fundo).

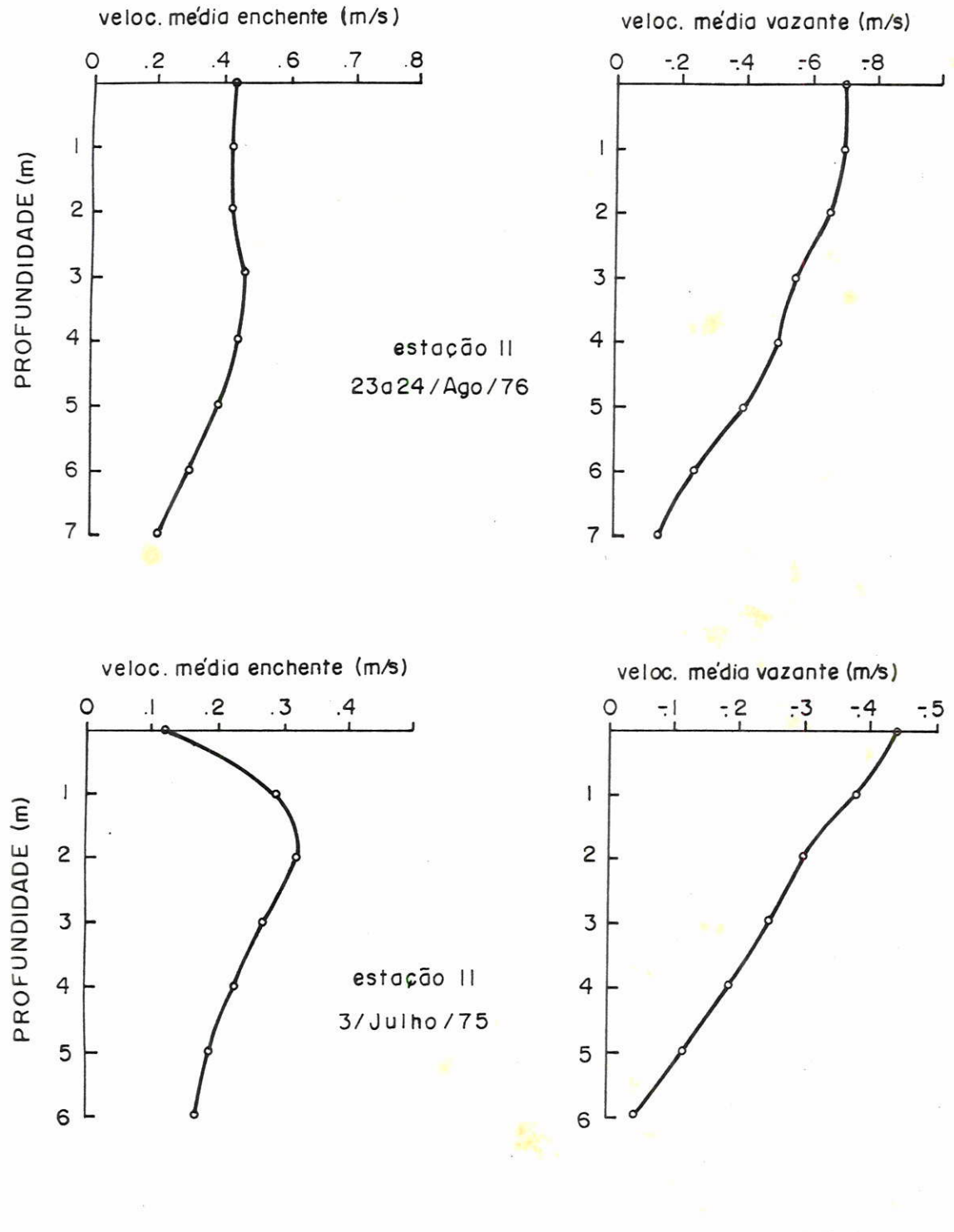


Fig. 18 - Velocidade média de enchente e vazante para dois períodos de observação 3/julho/75 e 23 a 24/Ago/76. Secção da ponta do Arrozal - mar de Cananéia (Miyao - 1976).

Tabela 1 - Medidas de velocidade de correntes (m/s) de superfície e de fundo (valores máximos observados em maré de sizígia).

Local das medidas	Maré Enchente	Maré Vazante
Pta. do Arrozal (Mar de Cananéia	0.7 m/s	1.2 m/s
Mar de Cubatão	0.6 m/s	0.7 m/s
Pedrinhas (Mar Pequeno)	0.7 m/s	0.8 m/s
Iguape	0.7 m/s	0.8 m/s

- superfície -

Local das medidas	Maré Enchente	Maré Vazante
Pta. do Arrozal (Mar de Cananéia)	0.6 m/s	0.7 m/s
Mar de Cubatão	0.5 m/s	0.6 m/s
Pedrinhas (Mar Pequeno)	0.5 m/s	0.5 m/s
Iguape	0.6 m/s	0.7 m/s

- fundo -

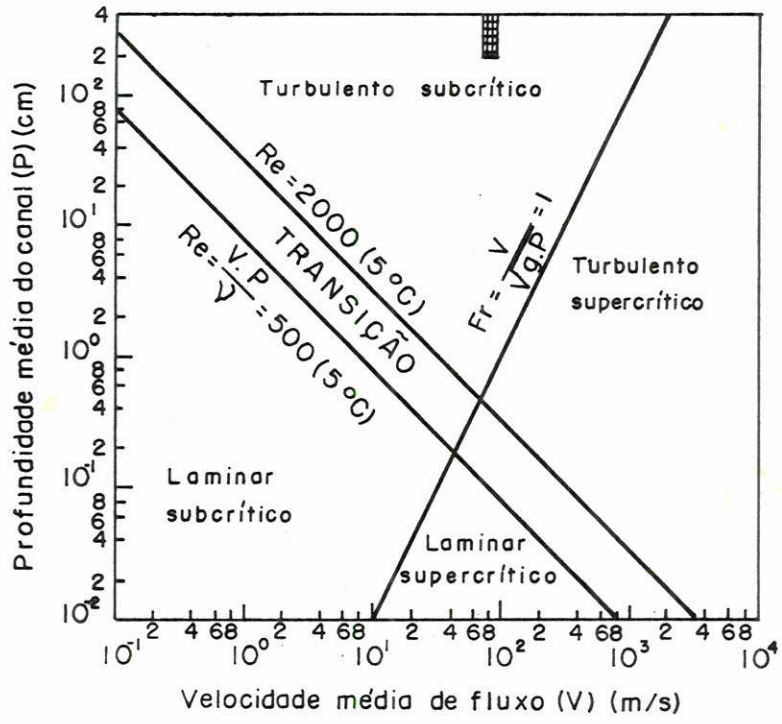


Figura 19 - Regimes de fluxo em canais abertos (Sundborg, 1956 in Allen, 1965).

Fig. 20 A - Circulação superficial na barra de Cananéia - maré enchente (Petri e Suguio, 1971).

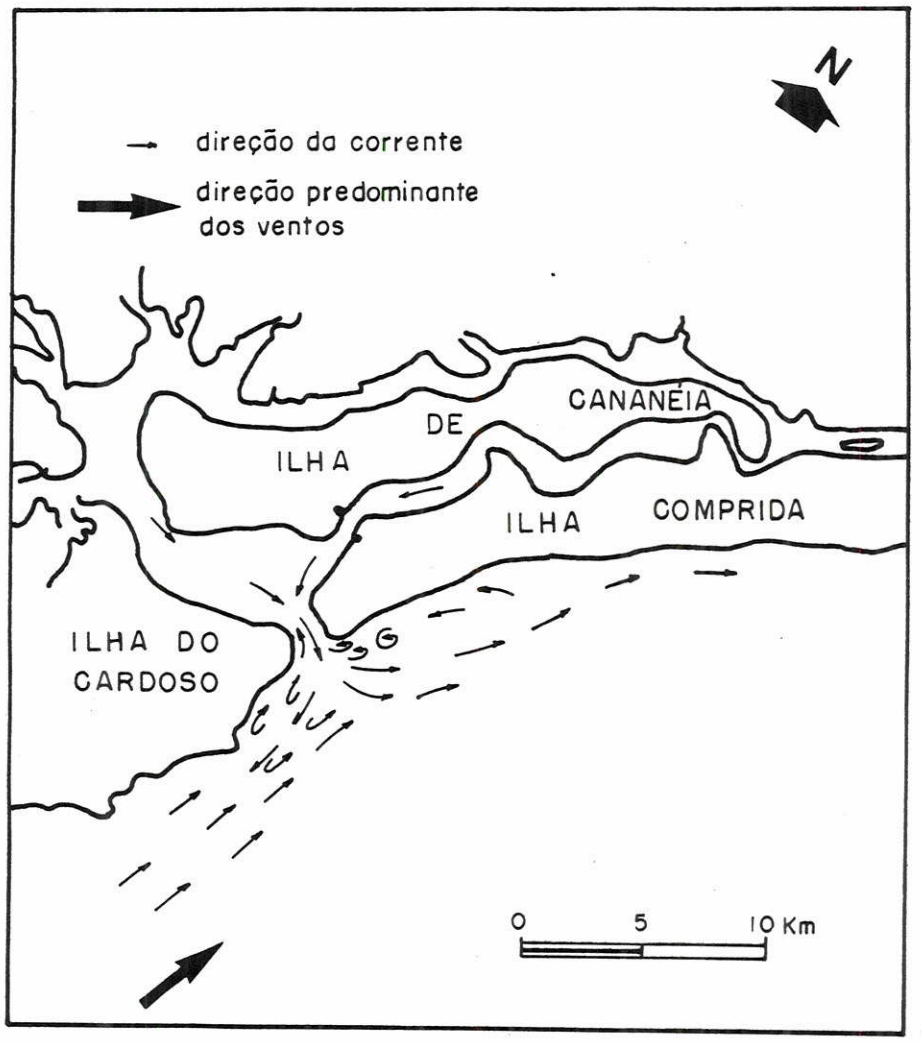


Fig. 20 B - Circulação superficial na barra de Cananéia - maré vazante (Sadowsky, 1953).

Tabela 2 - Classificação textural dos sedimentos da região lagunar de Cananéia - Iguape.

	Análise visual	Classificação textural - Shepard (1954)
C-1	Areia fina com lama	Areia argilosa
C-2	Biodetritos c/areia média a fina	Areia
C-3	Areia fina com lama	Areia argilosa
C-4	Areia fina com lama	Areia
C-5	Areia fina com lama	Areia
C-6	Areia fina com lama	Areia argilosa
C-7	Areia fina com lama	Areia
C-8	Areia fina	Areia
C-9	Areia fina com lama	Areia
C-10	Areia fina	Areia
C-11	Areia fina	Areia
C-12	Areia fina com lama	Areia argilosa
C-13	Areia fina com lama	Areia
C-14	Areia fina com lama	Areia
C-15	Areia fina com lama	Areia
C-16	Areia fina com lama	Areia síltica
C-17	Areia fina com lama	Areia argilosa
C-18	Areia fina com lama	Areia
C-19	Areia fina com lama	Areia
C-20	Areia fina com lama	Areia argilosa
C-21	Areia fina a média com lama	Areia argilosa
C-22	Areia fina a média	Areia
C-23	Areia fina com lama	Areia argilosa
C-24	Areia fina com lama	Areia argilosa
C-25	Areia fina a média	Areia
C-26	Areia fina com lama	Areia argilosa
C-27	Areia fina com lama	Areia

C-28	Areia fina	Areia
C-29	Areia fina com lama	Areia argilosa
C-30	Lama com areia fina	silte arenoso
C-31	Areia fina com lama	Areia
C-32	Areia fina com lama	Areia
C-33	Areia fina com lama	Areia
C-34	Lama	Argila síltica
C-35	Lama com areia fina	Silte argilo-arenoso
C-36	Lama	Silte argiloso
C-37	Areia fina	Areia
C-38	Areia fina	Areia
C-39	Areia fina	Areia
C-40	Areia fina com lama	Areia argilosa
C-41	Lama	Silte argiloso
C-42	Areia fina com lama	Areia argilosa
C-43	Areia fina com lama	Areia argilosa
C-44	Areia fina com lama	Areia argilosa
C-45	Areia fina	Areia
C-46	Areia fina com lama	Areia
C-47	Areia fina com lama	Areia Argilosa
C-48	Areia fina com lama	Areia
C-49	Areia fina com lama	Areia
C-50	Areia fina com lama	Areia
C-51	Lama	Argila síltica
C-52	Areia fina a média	Areia
C-53	Areia fina a média	Areia
C-54	Areia fina a média	Areia
C-55	Areia fina com lama	Areia argilosa
C-56	Areia média a fina	Areia
C-57	Areia fina com lama	Areia
C-58	Areia média a fina	Areia

C-59	Areia fina com lama	Areia
C-60	Areia média a grossa	Areia
C-61	Areia fina com lama	Areia
C-62	Areia fina com lama	Areia
C-63	Areia fina com lama	Areia
C-64	Areia média a fina com lama	Areia síltica
C-65	Areia fina a média	Areia
C-66	Areia fina com lama	Areia
C-67	Areia fina com lama	Areia
C-68	Areia fina com lama	Areia
C-69	Areia com lama	Areia argilosa
C-70	Areia grossa a fina com lama	Areia
C-71	Areia fina com lama	Areia
C-72	Areia fina com lama	Areia
C-73	Areia fina	Areia
C-74	Lama	Argila síltica
C-75	Areia fina com lama	Areia
C-76	Areia com lama	Areia argilosa
C-77	Lama com areia fina	Areia argilosa
C-78	Lama com areia fina	Areia argilosa
C-79	Biodetritos com lama	Areia
C-80	Areia fina	Areia
C-81	Lama	Argila síltica
C-82	Areia fina com lama	Areia
C-83	Areia fina com lama	Areia argilosa
C-84	Areia fina com lama	Areia argilosa
C-85	Areia fina com lama	Areia
C-86	Lama	Argila arenosa
C-87	Lama	Argila síltica
C-88	Lama com areia fina	Areia argilosa
C-89	Areia fina	Areia

C-90	Areia fina com pouca lama	Areia
C-91	Areia fina	Areia
C-92	Areia fina	Areia
C-93	Areia fina	Areia
C-94	Areia fina	Areia
C-95	Areia fina	Areia
C-96	Biodetritos com lama	Areia argilosa
C-97	Areia fina	Areia
C-98	Biodetritos c/areia média a fina	Areia
C-99	Areia fina c/pouca lama	Areia argilosa
C-100	Areia fina a média	Areia
C-101	Areia média	Areia
C-102	Areia fina	Areia
C-103	Areia média	Areia
C-104	Areia fina com lama	Areia
C-105	Areia média a fina com lama	Areia
C-106	Areia fina com lama	Areia
C-107	Areia fina com lama	Areia
C-108	Areia fina com lama	Areia
C-109	Areia fina com lama	Areia
C-110	Areia fina	Areia
C-111	Areia fina a média	Areia
C-112	Lama com areia fina	Silte argilo-arenoso
C-113	Areia fina com lama	Areia
C-114	Areia fina com lama	Areia argilosa
C-115	Areia média a fina	Areia
C-116	Areia fina com lama	Areia síltica
C-117	Areia média a fina c/lama	Areia
C-118	Areia fina com lama	Areia
C-119	Areia fina com lama	Areia argilosa
C-120	Areia fina a média	Areia

C-121	Areia média a fina	Areia
C-122	Areia fina com lama	Areia
C-123	Areia fina com lama	Areia
C-124	Areia fina com lama	Areia
C-125	Areia fina	Areia
C-126	Areia fina com lama	Areia
C-127	Areia média	Areia
C-128	Areia fina com lama	Areia
C-129	Areia fina com lama	Areia
C-130	Areia média a fina com lama	Areia argilosa
C-131	Areia fina a média c/lama	Areia
C-132	Areia fina com lama	Areia
C-133	Areia fina com lama	Areia
C-134	Areia fina com lama	Areia argilosa
C-135	Areia fina com lama	Areia
C-136	Lama	Argila síltico-arenosa
C-137	Areia média a fina c/lama	Areia
C-138	Areia fina com lama	Areia argilosa
C-139	Areia fina com lama	Areia
C-140	Areia fina com lama	Areia
C-141	Areia fina a média	Areia
C-142	Areia fina a média	Areia
C-143	Areia fina	Areia
C-144	Areia fina com lama	Areia argilosa
C-145	Lama	Argila síltica
C-146	Areia fina a média	Areia
C-147	Areia fina com lama	Areia argilosa
C-148	Lama	Argila síltica
C-149	Lama	Argila síltica
C-150	Areia média a grossa	Areia

C- 151	Areia média a grossa	Areia
C-152	Areia média a grossa	Areia
C-153	Areia média a fina	Areia
C-154	Areia média a fina	Areia
C-155	Areia fina	Areia
C-156	Areia fina com lama	Areia síltico-argilosa
C-157	Areia fina	Areia
C-158	Areia média a fina	Areia
C-159	Areia fina com lama	Areia argilosa
C-160	Areia fina	Areia
C-161	Areia fina	Areia
C-162	Areia fina	Areia
C-163	Areia fina com lama	Areia
C-164	Areia fina	Areia
C-165	Areia fina com lama	Areia
C-166	Areia fina	Areia
C-167	Areia fina	Areia
C-168	Areia fina	Areia
C-169	Areia fina	Areia
C-170	Areia fina com lama	Areia argilosa
C-171	Areia fina com lama	Areia
C-172	Areia fina com lama	Areia
C-173	Areia fina	Areia
C-174	Areia fina com lama	Areia
C-175	Areia fina com lama	Areia argilosa
C-175	Areia fina com lama	Areia argilosa
C-176	Areia fina com lama	Areia
C-177	Lama com areia fina	Argila síltico-arenosa
C-178	Areia fina com lama	Areia síltica
C-179	Areia fina com lama	Areia argilosa
C-180	Areia fina com lama	Areia

C-181	Lama	Silte argiloso
C-182	Areia fina com lama	Areia síltico-argilosa
C-183	Areia fina com lama	Areia
C-184	Lama	Silte argilo- arenoso
C-185	Lama	Silte argiloso
C-186	Lama	Silte argiloso
C-187	Lama	Silte argiloso
C-188	Lama	Argila síltico-arenosa
C-189	Lama	Silte argiloso
C-190	Lama	Silte argiloso
C-191	Lama com areia fina	Areia síltico-argilosa
C-192	Lama	Silte argiloso
C-193	Lama	Silte argiloso
C-194	Lama	Silte argiloso
C-195	Lama	Silte argiloso
C-196	Lama	Silte argiloso
C-197	Lama	Silte argiloso
C-198	Lama	Silte argiloso
C-199	Lama	Silte argiloso
C-200	Lama com areia fina	Silte argiloso
C-201	Lama	Silte argiloso
C-202	Lama	Silte argiloso
C-203	Lama	Silte argiloso
C-204	Lama com areia fina	Silte argiloso
C-205	Lama	Silte argiloso
C-206	Lama com areia fina	Silte argilo-arenoso
C-207	Lama	Argila síltica
C-208	Lama	Silte argiloso
C-209	Lama com areia fina	Silte argilo-arenoso
C-210	Lama com areia fina	Silte argilo-arenoso

C-211	Lama	Silte argiloso
C-212	Areia fina com lama	Areia síltica
C-213	Lama	Silte argiloso
C-214	Lama com areia fina	Silte argilo-arenoso
C-215	Areia fina com lama	Areia síltica
C-216	Lama com areia fina	Silte argiloso
C-217	Lama	Silte argiloso
C-218	Lama	Silte argiloso
C-219	Areia fina com lama	Areia argilosa
C-220	Areia fina com lama	Areia síltica
C-221	Lama	Silte argiloso
C-222	Lama	Silte argiloso
C-223	Areia fina a média	Areia
C-224	Areia fina com lama	Areia
C-225	Areia fina com lama	Areia síltica
C-226	Areia média a fina	Areia
C-227	Areia média a fina	Areia
C-228	Areia fina com lama	Areia síltica
C-229	Areia fina com lama	Areia
C-230	Areia média a fina	Areia
C-231	Areia fina com lama	Areia síltica
C-232	Areia média a fina	Areia
C-233	Lama com areia fina	Areia síltico-argilosa
C-234	Areia fina com lama	Areia síltica
C-235	Areia média a fina	Areia
C-236	Lama	Silte argiloso
C-237	Lama	Areia síltica
C-238	Areia fina com lama	Areia
C-239	Areia fina com lama	Areia
C-240	Areia fina com lama	Areia argilosa

C-241	Areia fina	Areia
C-242	Areia fina	Areia
C-243	Areia fina com lama	Areia
C-244	Areia fina	Areia
C-245	Lama	Argila síltica

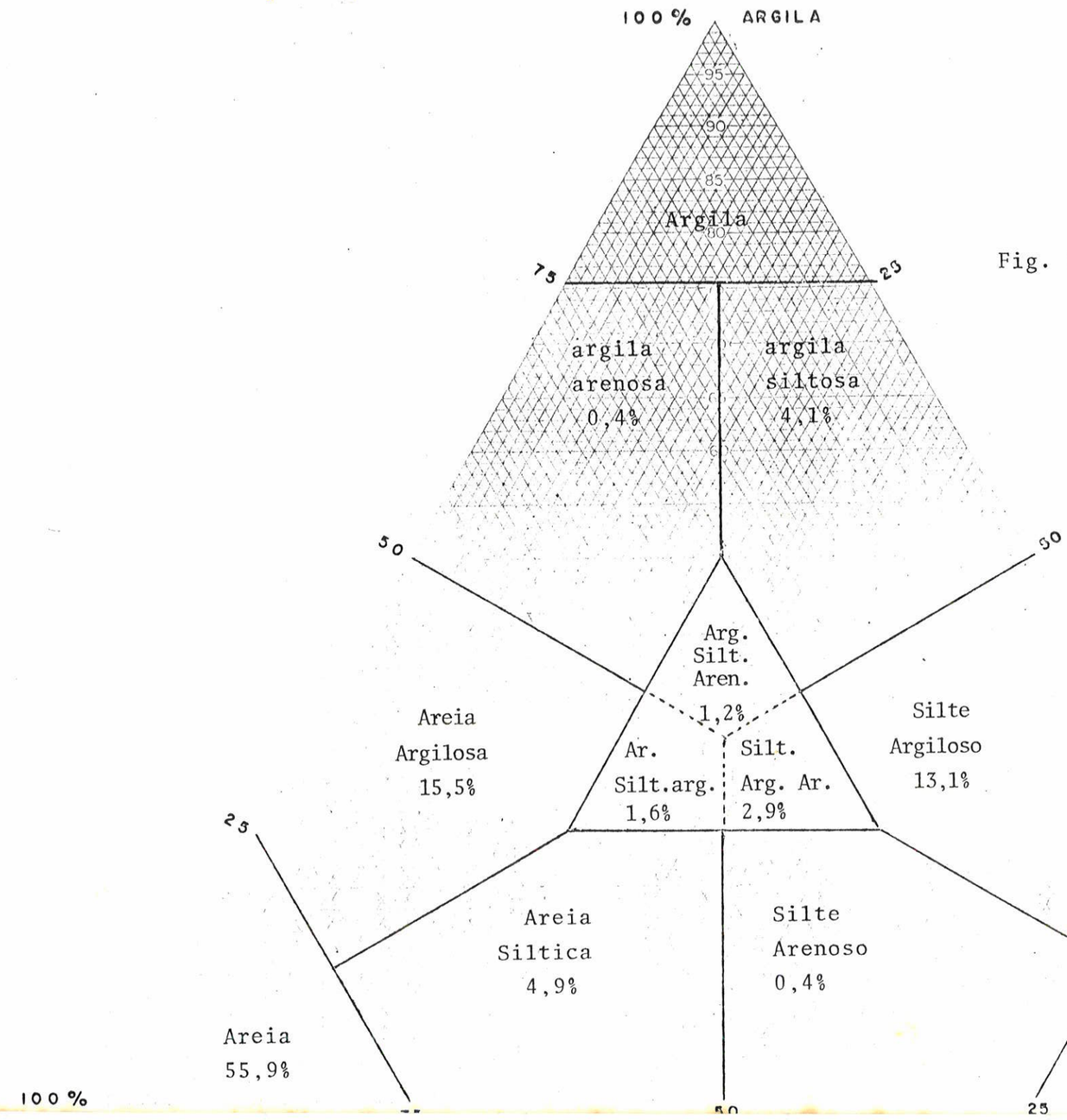


Fig. 21 - Diagrama triangular de Shepard (1954) mod. Área total - 245 amostras.

Tabela 3 - Distribuição percentual das frações areia, pelítica, argila e teor de calcário.

PROJETO	AMOSTRAS	AREIA	SILTE + ARGILA	ARGILA	GR/FI	%CACO3	INF CLASSES TEXTURAIS
CAN-80	C-1	74.37	25.63	6.87	2.90	24.10	7.00
CAN-80	C-2	95.49	4.51	1.03	21.16	2.50	8.00
CAN-80	C-3	67.51	32.49	10.69	2.08	28.90	7.00
CAN-80	C-4	89.89	10.11	2.73	8.89	12.10	9.00
CAN-80	C-5	91.00	9.00	1.78	10.12	4.20	8.00
CAN-80	C-6	74.91	25.09	7.43	2.99	17.80	7.00
CAN-80	C-7	79.10	20.90	7.07	3.78	2.40	8.00
CAN-80	C-8	96.33	3.67	0.71	26.28	1.80	3.00
CAN-80	C-9	87.86	12.14	3.67	7.24	12.70	7.00
CAN-80	C-10	89.71	10.29	1.16	8.72	13.30	9.00
CAN-80	C-11	97.56	2.44	0.61	39.96	1.50	2.00
CAN-80	C-12	69.30	30.70	7.90	2.26	23.00	7.00
CAN-80	C-13	97.44	2.56	0.72	38.08	2.30	3.00
CAN-80	C-14	86.44	10.56	2.92	8.47	10.50	6.00
CAN-80	C-15	96.07	3.93	0.93	24.45	2.90	4.00
CAN-80	C-16	81.88	18.12	5.78	4.52	11.60	7.00
CAN-80	C-17	73.37	26.63	9.43	2.76	27.80	7.00
CAN-80	C-18	88.64	11.36	3.71	7.80	10.90	7.00
CAN-80	C-19	86.60	13.40	4.17	6.46	11.00	6.00
CAN-80	C-20	86.37	13.63	4.46	6.34	17.00	6.00
CAN-80	C-21	61.81	38.19	13.23	1.62	40.50	8.00
CAN-80	C-22	98.27	1.73	0.61	56.65	1.80	2.00
CAN-80	C-23	63.15	36.85	10.55	1.71	38.50	8.00
CAN-80	C-24	79.74	20.26	5.81	3.94	15.60	7.00
CAN-80	C-25	94.84	5.16	1.69	18.37	4.90	6.00
CAN-80	C-26	83.44	16.56	7.39	5.04	21.20	8.00
CAN-80	C-27	91.03	8.97	2.24	10.14	15.30	10.00
CAN-80	C-28	93.23	6.77	2.15	13.76	6.20	7.00
CAN-80	C-29	83.31	16.69	6.75	4.99	24.50	7.00
CAN-80	C-30	26.00	74.00	21.17	0.35	20.00	6.00
CAN-80	C-31	93.30	6.70	2.02	13.94	5.90	5.00
CAN-80	C-32	91.87	8.13	3.55	11.30	12.60	4.00
CAN-80	C-33	95.40	4.60	1.46	20.73	4.20	7.00
CAN-80	C-34	35.96	64.04	25.00	0.56	48.00	8.00
CAN-80	C-35	45.48	54.52	24.40	0.83	33.00	6.00
CAN-80	C-36	3.20	96.80	34.01	0.03	32.50	4.00
CAN-80	C-37	98.48	1.52	0.51	64.60	1.50	3.00
CAN-80	C-38	97.64	2.36	0.72	41.35	2.30	3.00
CAN-80	C-39	98.15	1.85	0.72	53.00	2.10	3.00
CAN-80	C-40	79.47	20.53	5.59	3.87	17.60	6.00
CAN-80	C-41	27.64	72.36	28.73	0.38	35.00	7.00
CAN-80	C-42	86.40	13.60	6.21	6.35	16.20	5.00
CAN-80	C-43	80.63	19.37	5.54	4.16	16.40	6.00
CAN-80	C-44	80.49	19.51	8.15	4.13	18.80	7.00
CAN-80	C-45	94.53	5.47	1.68	17.29	4.90	7.00
CAN-80	C-46	83.20	16.80	4.83	4.95	11.00	7.00
CAN-80	C-47	64.58	35.42	13.10	1.82	22.90	7.00
CAN-80	C-48	92.07	7.93	2.71	11.62	7.80	6.00
CAN-80	C-49	81.78	18.22	4.84	4.49	13.20	6.00

PROJETO	AMOSTRAS	AREIA	SILTE + ARGILA	ARGILA	GR/FI	%CACO3	INF CLASSES TEXTURAIS
CA.=80	C-50	85.80	14.20	5.12	6.04	13.80	7.00
CA.=80	C-51	14.22	85.78	37.75	0.17	33.50	7.00
CA.=80	C-52	97.74	2.26	0.72	43.23	2.20	2.00
CA.=80	C-53	97.76	2.24	0.51	43.73	1.60	3.00
CA.=80	C-54	99.40	0.60	0.00	165.50	0.10	2.00
CA.=80	C-55	60.49	39.51	16.64	1.53	30.70	6.00
CA.=80	C-56	99.19	0.81	0.20	123.13	0.70	2.00
CA.=80	C-57	92.65	7.35	1.57	12.61	4.70	5.00
CA.=80	C-58	99.40	0.60	0.10	165.17	0.30	3.00
CA.=80	C-59	92.41	7.59	1.79	12.17	5.20	5.00
CA.=80	C-60	96.95	3.05	0.51	31.73	1.60	6.00
CA.=80	C-61	91.45	8.55	1.88	10.70	4.80	6.00
CA.=80	C-62	91.31	8.69	2.90	10.51	7.00	6.00
CA.=80	C-63	89.86	10.14	2.32	8.86	5.80	6.00
CA.=80	C-64	55.87	44.13	8.19	1.27	15.70	7.00
CA.=80	C-65	95.53	4.47	1.56	21.35	4.00	6.00
CA.=80	C-66	82.13	17.87	4.64	4.59	11.40	9.00
CA.=80	C-67	74.16	25.84	4.56	2.87	7.90	6.00
CA.=80	C-68	90.17	9.83	2.33	9.17	5.70	7.00
CA.=80	C-69	49.51	50.49	9.77	0.98	38.70	7.00
CA.=80	C-70	87.59	12.41	3.64	7.06	12.30	9.00
CA.=80	C-71	87.79	12.21	3.66	7.19	9.90	6.00
CA.=80	C-72	87.09	12.91	2.67	6.74	6.20	8.00
CA.=80	C-73	92.10	7.90	1.90	11.65	4.60	9.00
CA.=80	C-74	9.73	90.27	29.60	0.11	52.60	6.00
CA.=80	C-75	87.10	12.90	4.22	6.75	14.50	7.00
CA.=80	C-76	67.45	32.55	13.84	2.07	36.30	6.00
CA.=80	C-77	63.85	36.15	11.85	1.77	32.40	7.00
CA.=80	C-78	72.15	27.85	6.56	2.59	19.00	7.00
CA.=80	C-79	91.79	8.21	1.89	11.18	4.60	9.00
CA.=80	C-80	92.82	7.18	1.46	12.93	3.70	6.00
CA.=80	C-81	12.64	87.36	30.16	0.14	54.80	5.00
CA.=80	C-82	84.74	15.26	2.00	5.55	4.90	6.00
CA.=80	C-83	69.81	30.19	8.39	2.31	22.80	7.00
CA.=80	C-84	70.35	29.65	8.67	2.37	20.30	6.00
CA.=80	C-85	80.13	19.87	4.04	4.03	10.80	7.00
CA.=80	C-86	58.18	41.82	5.76	1.39	46.10	7.00
CA.=80	C-87	20.74	79.26	32.95	0.26	48.40	6.00
CA.=80	C-88	68.03	31.97	11.29	2.13	26.60	7.00
CA.=80	C-89	93.83	6.17	1.67	15.20	4.00	5.00
CA.=80	C-90	87.74	12.26	2.35	7.16	5.70	7.00
CA.=80	C-91	92.29	7.71	1.13	11.97	2.70	5.00
CA.=80	C-92	93.73	6.27	1.03	14.95	2.60	5.00
CA.=80	C-93	88.27	11.73	1.45	7.52	3.60	6.00
CA.=80	C-94	96.36	3.64	0.40	26.44	0.90	3.00
CA.=80	C-95	89.14	10.86	1.77	8.21	4.20	6.00
CA.=80	C-96	65.29	34.71	12.84	1.88	34.30	8.00
CA.=80	C-97	97.87	2.13	0.51	45.86	1.30	3.00
CA.=80	C-98	98.28	1.72	0.41	57.06	0.90	5.00

PROJETO	AMOSTRAS	AREIA	SILTE + ARGILA	ARGILA	GR/FI	%CACO3	INP CLASSES TEXTURAIS
CAN-80	C-99	74.32	25.68	7.13	2.89	19.80	10.00
CAN-80	C-100	96.24	3.76	0.43	25.63	0.90	3.00
CAN-80	C-101	98.58	1.42	0.40	69.57	1.10	5.00
CAN-80	C-102	97.57	2.43	0.51	40.12	1.30	3.00
CAN-80	C-103	94.34	5.66	1.24	16.65	3.10	4.00
CAN-80	C-104	91.79	8.21	1.56	11.18	3.90	6.00
CAN-80	C-105	90.80	9.20	0.25	9.68	12.90	8.00
CAN-80	C-106	83.60	16.40	2.61	5.10	7.90	8.00
CAN-80	C-107	86.67	13.33	3.47	6.50	8.10	7.00
CAN-80	C-108	90.71	9.29	2.76	9.76	6.80	9.00
CAN-80	C-109	88.60	11.40	3.56	7.77	8.00	6.00
CAN-80	C-110	96.44	3.56	0.71	27.09	1.70	3.00
CAN-80	C-111	98.07	1.93	0.51	50.84	1.20	5.00
CAN-80	C-112	41.00	59.00	10.86	0.69	29.90	8.00
CAN-80	C-113	85.64	14.36	3.11	5.96	7.30	6.00
CAN-80	C-114	66.61	33.39	7.15	2.00	37.20	10.00
CAN-80	C-115	95.39	4.61	1.02	20.71	2.50	7.00
CAN-80	C-116	66.32	33.68	7.46	1.97	14.10	8.00
CAN-80	C-117	90.64	9.36	2.55	9.68	6.30	9.00
CAN-80	C-118	84.48	15.52	3.34	5.44	7.90	6.00
CAN-80	C-119	61.58	38.42	8.54	1.60	22.60	8.00
CAN-80	C-120	98.99	1.01	0.30	98.50	0.70	5.00
CAN-80	C-121	96.10	3.90	0.92	24.66	2.40	6.00
CAN-80	C-122	94.12	5.88	1.24	16.00	3.00	5.00
CAN-80	C-123	94.74	5.26	1.24	18.02	3.20	4.00
CAN-80	C-124	90.04	9.96	2.54	9.04	6.10	6.00
CAN-80	C-125	89.36	10.64	2.66	8.40	6.50	6.00
CAN-80	C-126	92.19	7.81	1.67	11.80	4.40	7.00
CAN-80	C-127	97.46	2.54	0.71	38.36	1.70	3.00
CAN-80	C-128	90.66	9.34	2.55	9.70	6.30	6.00
CAN-80	C-129	86.06	13.94	2.77	6.18	6.60	6.00
CAN-80	C-130	47.77	52.23	14.39	0.91	30.50	7.00
CAN-80	C-131	90.72	9.28	2.77	9.77	6.70	9.00
CAN-80	C-132	88.12	11.88	4.15	7.42	10.80	7.00
CAN-80	C-133	89.14	10.86	2.02	8.21	6.10	6.00
CAN-80	C-134	69.80	30.20	6.18	2.31	15.90	7.00
CAN-80	C-135	86.59	13.41	2.81	6.46	7.50	7.00
CAN-80	C-136	28.02	71.98	20.29	0.39	38.10	7.00
CAN-80	C-137	96.07	3.93	1.03	24.47	3.20	6.00
CAN-80	C-138	67.48	32.52	5.92	2.08	14.80	7.00
CAN-80	C-139	94.65	5.35	1.47	17.71	4.60	6.00
CAN-80	C-140	86.15	13.85	3.16	6.22	8.40	8.00
CAN-80	C-141	98.69	1.31	0.30	75.15	0.80	5.00
CAN-80	C-142	96.04	3.96	0.61	24.23	1.50	3.00
CAN-80	C-143	98.99	1.01	0.20	98.50	0.50	3.00
CAN-80	C-144	76.00	24.00	4.57	3.17	14.70	7.00
CAN-80	C-145	25.09	74.91	26.04	0.34	46.90	7.00
CAN-80	C-146	89.02	10.98	2.22	8.11	5.20	7.00
CAN-80	C-147	68.83	31.17	10.44	2.21	28.90	7.00

PROJETO	AMOSTRAS	AREIA	SILTE + ARGILA	ARGILA	GR/FI	%CACO3	INF CLASSES TEXTURAIS
CAN-80	C-148	9.70	90.30	42.21	0.11	47.40	6.00
CAN-80	C-149	13.20	86.80	34.43	0.15	51.10	7.00
CAN-80	C-150	98.38	1.62	0.51	60.63	1.20	5.00
CAN-80	C-151	98.47	1.53	0.31	64.40	0.80	2.00
CAN-80	C-152	97.97	2.03	0.61	48.30	1.40	3.00
CAN-80	C-153	97.38	2.62	0.30	37.15	0.80	4.00
CAN-80	C-154	96.95	3.05	0.71	31.73	1.80	2.00
CAN-80	C-155	87.60	12.40	1.24	7.07	3.10	5.00
CAN-80	C-156	44.84	55.16	14.18	0.81	35.10	8.00
CAN-80	C-157	97.17	2.83	0.40	34.39	0.90	3.00
CAN-80	C-158	96.53	3.47	0.71	27.82	1.80	4.00
CAN-80	C-159	77.22	22.78	6.59	3.39	16.60	7.00
CAN-80	C-160	95.30	4.70	0.82	20.26	2.00	3.00
CAN-80	C-161	95.01	4.99	0.71	19.02	1.80	3.00
CAN-80	C-162	97.26	2.74	0.61	35.48	1.40	2.00
CAN-80	C-163	82.82	17.16	2.55	4.82	5.90	7.00
CAN-80	C-164	97.44	2.56	0.51	38.08	1.10	3.00
CAN-80	C-165	90.25	9.75	1.56	9.26	3.60	6.00
CAN-80	C-166	98.08	1.92	0.30	51.16	0.70	3.00
CAN-80	C-167	94.18	5.82	0.82	16.18	2.10	3.00
CAN-80	C-168	97.49	2.51	0.40	38.92	1.00	4.00
CAN-80	C-169	98.49	1.51	0.30	65.13	0.80	3.00
CAN-80	C-170	62.23	37.77	10.87	1.65	30.10	7.00
CAN-80	C-171	78.39	21.61	5.38	3.63	10.70	7.00
CAN-80	C-172	94.35	5.65	1.13	16.71	2.60	6.00
CAN-80	C-173	93.33	6.67	1.03	13.98	2.50	6.00
CAN-80	C-174	92.80	7.20	1.77	12.88	4.10	6.00
CAN-80	C-175	66.71	33.29	10.37	2.00	22.00	7.00
CAN-80	C-176	92.01	7.99	2.10	11.51	4.90	9.00
CAN-80	C-177	42.93	57.07	24.61	0.75	42.70	7.00
CAN-80	C-178	59.38	40.63	11.25	1.46	20.10	7.00
CAN-80	C-179	79.98	20.02	9.42	3.99	15.70	6.00
CAN-80	C-180	87.14	12.86	2.89	6.78	6.70	7.00
CAN-80	C-181	22.90	77.10	26.34	0.30	34.00	7.00
CAN-80	C-182	54.24	45.76	16.69	1.19	28.10	7.00
CAN-80	C-183	90.96	9.04	3.79	10.06	10.30	5.00
CAN-80	C-184	37.12	62.88	24.96	0.59	33.90	7.00
CAN-80	C-185	19.20	80.80	26.81	0.24	32.20	7.00
CAN-80	C-186	7.19	92.81	28.78	0.08	31.30	5.00
CAN-80	C-187	2.50	97.50	26.87	0.03	33.20	5.00
CAN-80	C-188	39.87	60.13	27.29	0.66	38.70	7.00
CAN-80	C-189	3.45	96.55	28.60	0.04	41.90	5.00
CAN-80	C-190	12.32	87.68	22.46	0.14	40.00	7.00
CAN-80	C-191	55.01	44.99	15.49	1.22	32.20	7.00
CAN-80	C-192	3.24	96.76	24.89	0.03	31.90	5.00
CAN-80	C-193	7.94	92.06	31.30	0.09	34.50	7.00
CAN-80	C-194	7.21	92.79	23.06	0.08	37.40	6.00
CAN-80	C-195	5.86	94.14	19.81	0.06	37.30	6.00
CAN-80	C-196	4.96	95.04	24.64	0.05	30.20	5.00

PROJETO	AMOSTRAS	AREIA	SILTE + ARGILA	ARGILA	GR/FI	%CACO3	INP CLASSES TEXTURAIS
CAN-80	C-197	3.34	96.66	26.38	0.03	40.10	5.00
CAN-80	C-198	4.76	95.24	20.75	0.05	41.30	5.00
CAN-80	C-199	3.07	96.93	29.49	0.03	35.00	4.00
CAN-80	C-200	16.09	83.91	28.69	0.19	39.30	6.00
CAN-80	C-201	7.40	92.60	19.94	0.08	33.80	7.00
CAN-80	C-202	12.79	87.21	21.77	0.15	34.10	7.00
CAN-80	C-203	1.33	98.67	34.54	0.01	47.30	4.00
CAN-80	C-204	6.74	93.26	13.02	0.07	33.10	6.00
CAN-80	C-205	4.97	95.03	20.46	0.05	33.50	6.00
CAN-80	C-206	31.18	68.82	23.76	0.45	27.20	7.00
CAN-80	C-207	9.91	90.09	19.12	0.11	43.50	6.00
CAN-80	C-208	17.38	82.62	20.62	0.21	22.90	7.00
CAN-80	C-209	17.25	82.75	14.35	0.21	34.30	7.00
CAN-80	C-210	28.09	71.91	18.95	0.39	25.70	7.00
CAN-80	C-211	5.69	94.31	28.20	0.06	22.80	7.00
CAN-80	C-212	65.82	34.18	5.99	1.93	9.90	7.00
CAN-80	C-213	9.11	90.89	19.79	0.10	43.00	6.00
CAN-80	C-214	30.72	69.28	15.36	0.44	32.10	7.00
CAN-80	C-215	63.64	36.36	5.52	1.75	13.10	7.00
CAN-80	C-216	15.98	84.02	19.62	0.19	31.80	7.00
CAN-80	C-217	4.75	95.25	26.65	0.05	34.70	6.00
CAN-80	C-218	12.82	87.18	21.10	0.15	37.70	6.00
CAN-80	C-219	75.96	24.04	6.13	3.16	16.60	6.00
CAN-80	C-220	73.79	26.21	4.95	2.82	11.20	7.00
CAN-80	C-221	10.89	89.11	22.71	0.12	35.80	7.00
CAN-80	C-222	4.63	95.37	28.64	0.05	41.70	6.00
CAN-80	C-223	90.28	9.72	1.34	9.29	3.30	6.00
CAN-80	C-224	78.87	21.13	4.01	3.73	7.70	7.00
CAN-80	C-225	37.06	62.94	8.71	0.59	23.10	7.00
CAN-80	C-226	97.37	2.63	0.46	37.00	1.00	5.00
CAN-80	C-227	97.28	2.72	0.36	35.75	0.60	3.00
CAN-80	C-228	68.59	31.41	10.56	2.18	14.50	6.00
CAN-80	C-229	92.59	7.41	1.67	11.49	1.00	6.00
CAN-80	C-230	91.48	8.52	0.51	10.74	1.20	2.00
CAN-80	C-231	48.62	51.38	9.15	0.95	20.10	7.00
CAN-80	C-232	90.26	9.74	1.45	9.27	3.50	6.00
CAN-80	C-233	48.57	51.43	12.28	0.94	26.70	7.00
CAN-80	C-234	66.98	33.02	7.18	2.03	13.70	7.00
CAN-80	C-235	91.33	8.67	1.34	10.54	3.10	5.00
CAN-80	C-236	6.77	93.23	26.77	0.07	35.60	6.00
CAN-80	C-237	57.58	42.42	13.83	1.36	24.60	8.00
CAN-80	C-238	84.05	15.95	4.21	5.27	9.30	7.00
CAN-80	C-239	85.47	14.53	2.93	5.88	11.20	7.00
CAN-80	C-240	76.99	23.01	6.98	3.35	18.20	8.00
CAN-80	C-241	91.63	8.37	1.78	10.95	4.20	7.00
CAN-80	C-242	94.45	5.55	1.03	17.02	2.50	5.00
CAN-80	C-243	84.70	15.30	4.04	5.54	8.40	8.00
CAN-80	C-244	95.63	4.37	0.71	21.66	1.60	3.00
CAN-80	C-245	4.61	95.39	40.53	0.05	58.90	6.00

Tabela 4 - Parâmetros estatísticos das amostras de sedimento segundo Folk e Ward (1957).

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
ICAN-EO	IC-1	4.0438	0.0606	1.2928	0.5657	3.7024	TOTAL
		3.4944	0.0887	0.2546	-0.5446	1.9799	AREIA
ICAN-EO	IC-2	0.8737	0.5457	1.5410	0.4257	0.6665	TOTAL
		0.8005	0.5718	1.4591	0.4479	0.6296	AREIA
ICAN-EO	IC-3	4.7031	0.0384	1.9918	0.6353	1.0137	TOTAL
		3.3893	0.0954	0.3487	-0.6526	1.1198	AREIA
ICAN-EO	IC-4	3.0637	0.1196	1.0964	0.5018	2.9554	TOTAL
		3.0063	0.1243	0.5284	0.0571	0.9733	AREIA
ICAN-EO	IC-5	3.2114	0.1080	0.8602	0.3674	1.6066	TOTAL
		3.1042	0.1163	0.4598	0.0162	0.7996	AREIA
ICAN-EO	IC-6	4.0365	0.0609	1.4580	0.5483	2.9132	TOTAL
		3.3831	0.0956	0.3326	-0.6241	0.9450	AREIA
ICAN-EO	IC-7	3.3249	0.0998	1.9732	0.2329	2.6611	TOTAL
		2.5873	0.1664	1.2108	-0.5031	1.7796	AREIA
ICAN-EO	IC-8	3.1631	0.1116	0.4185	0.4481	0.7680	TOTAL
		3.1170	0.1153	0.3499	0.3737	0.6373	AREIA
ICAN-EO	IC-9	3.4950	0.0885	0.9373	0.2361	3.0937	TOTAL
		3.3930	0.0952	0.3097	-0.5838	0.9965	AREIA
ICAN-EO	IC-10	2.8773	0.1361	1.3165	-0.0687	2.2609	TOTAL
		2.8276	0.1409	1.0085	-0.3537	1.7128	AREIA
ICAN-EO	IC-11	2.8665	0.1369	0.3000	0.3582	2.0161	TOTAL
		2.8564	0.1381	0.2639	0.2907	1.7149	AREIA
ICAN-EO	IC-12	4.4092	0.0471	1.3041	0.7558	2.6522	TOTAL
		3.6315	0.0807	0.1395	-0.2261	1.8260	AREIA
ICAN-EO	IC-13	2.9990	0.1251	0.4671	0.2202	1.4057	TOTAL
		2.9959	0.1254	0.4521	0.1515	1.2441	AREIA
ICAN-EO	IC-14	3.2060	0.1082	0.9461	0.7277	2.4290	TOTAL
		3.1245	0.1147	0.3511	0.4054	0.6241	AREIA
ICAN-EO	IC-15	3.0869	0.1177	0.9385	-0.1539	2.3697	TOTAL
		3.0517	0.1206	0.6702	-0.2444	2.2349	AREIA
ICAN-EO	IC-16	3.7078	0.0744	1.3790	0.5606	2.5176	TOTAL
		3.2594	0.1044	0.3782	-0.3899	0.7452	AREIA
ICAN-EO	IC-17	4.3774	0.0481	1.9505	0.7489	1.6045	TOTAL
		3.2468	0.1052	0.3616	-0.3442	0.6527	AREIA
ICAN-EO	IC-18	3.3447	0.0984	0.9096	0.2489	1.9539	TOTAL
		3.2496	0.1051	0.4094	-0.4323	0.7290	AREIA
ICAN-EO	IC-19	3.3469	0.0983	1.0488	0.4517	2.4760	TOTAL
		3.2295	0.1069	0.3594	-0.1537	0.6642	AREIA
ICAN-EO	IC-20	3.1950	0.1092	1.0722	0.7693	2.9372	TOTAL
		3.0054	0.1170	0.3604	0.4461	0.6126	AREIA
ICAN-EO	IC-21	4.7034	0.0384	2.2320	0.4857	1.0412	TOTAL
		3.3476	0.0982	0.5197	-0.7622	1.6362	AREIA
ICAN-EO	IC-22	2.8712	0.1367	0.2939	0.3380	1.8606	TOTAL
		2.8750	0.1363	0.2778	0.3121	1.6605	AREIA
ICAN-EO	IC-23	4.5516	0.0426	2.2334	0.4582	0.9448	TOTAL
		3.2867	0.1023	0.5933	-0.7793	1.3147	AREIA
ICAN-EO	IC-24	3.7529	0.0742	1.3756	0.4685	2.3885	TOTAL
		3.3065	0.1011	0.4024	-0.6648	0.7285	AREIA
ICAN-EO	IC-25	2.9567	0.1292	0.5668	0.3295	1.9342	TOTAL
		2.9447	0.1294	0.4656	0.2046	1.4646	AREIA
ICAN-EO	IC-26	3.2661	0.1038	1.6393	0.6151	0.2044	TOTAL
		2.8898	0.1340	0.6258	0.0226	0.9860	AREIA
ICAN-EO	IC-27	2.5875	0.1664	1.6142	-0.0786	3.0860	TOTAL
		2.6353	0.1610	1.1355	-0.4113	1.5285	AREIA
ICAN-EO	IC-28	2.7498	0.1487	0.9479	0.1141	1.8527	TOTAL
		2.7529	0.1484	0.6972	-0.1495	1.0894	AREIA
ICAN-EO	IC-29	3.5505	0.0849	1.2643	0.5754	2.5765	TOTAL
		3.3060	0.1011	0.3550	-0.5006	0.6846	AREIA
ICAN-EO	IC-30	6.1213	0.0144	1.8975	-0.0932	0.5711	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EO	IC-31	3.2561	0.1047	0.5913	0.3898	1.3242	TOTAL
		3.1923	0.1094	0.3478	0.0290	0.6537	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
CAN-EU	C-32	3.2485	0.1056	0.9541	0.5553	2.5145	TOTAL
		3.2012	0.1087	0.3559	-0.0143	0.6440	AREIA
CAN-EU	C-33	3.0303	0.1224	0.4417	-0.0516	1.4326	TOTAL
		3.0267	0.1225	0.3835	-0.1920	1.1182	AREIA
CAN-EU	C-34	5.6574	0.0198	2.6180	-0.1942	0.6975	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	C-35	5.6554	0.0198	2.2679	0.0547	0.5591	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	C-36	7.3120	0.0063	1.2849	-0.2477	0.9862	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	C-37	2.7675	0.1469	0.3281	0.0958	1.9076	TOTAL
		2.7679	0.1468	0.3162	0.0719	1.7994	AREIA
CAN-EU	C-38	3.0109	0.1234	0.4600	0.2752	1.1084	TOTAL
		3.0101	0.1241	0.4408	0.2075	0.9556	AREIA
CAN-EU	C-39	2.7541	0.1477	0.3314	0.0707	1.9346	TOTAL
		2.7641	0.1472	0.3253	0.0541	1.8417	AREIA
CAN-EU	C-40	3.8516	0.0693	1.1192	0.4321	5.3487	TOTAL
		3.5159	0.0874	0.2709	-0.5767	2.9291	AREIA
CAN-EU	C-41	6.3764	0.0123	2.0666	-0.3789	0.5897	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	C-42	3.1363	0.1140	1.1902	0.6844	3.2069	TOTAL
		3.0354	0.1220	0.4297	0.2732	0.6873	AREIA
CAN-EU	C-43	3.8870	0.0676	1.1122	0.5648	4.3263	TOTAL
		3.5112	0.0877	0.2172	-0.4579	1.5193	AREIA
CAN-EU	C-44	4.1734	0.0554	1.6676	0.6525	2.5654	TOTAL
		3.3349	0.0988	0.3501	-0.6175	0.7227	AREIA
CAN-EU	C-45	2.9722	0.1274	0.6332	0.3128	1.6864	TOTAL
		2.9512	0.1293	0.5185	0.1452	1.2527	AREIA
CAN-EU	C-46	3.6700	0.0786	1.0361	0.4079	3.7116	TOTAL
		3.4401	0.0910	0.2651	-0.5302	1.1908	AREIA
CAN-EU	C-47	4.7509	0.0369	1.9951	0.8259	0.7438	TOTAL
		3.4038	0.0945	0.2484	-0.3457	1.0732	AREIA
CAN-EU	C-48	3.0794	0.1183	0.8910	0.6181	2.7149	TOTAL
		3.0369	0.1218	0.4043	0.2907	0.7852	AREIA
CAN-EU	C-49	3.8010	0.0717	1.0676	0.4682	4.3915	TOTAL
		3.4937	0.0888	0.2504	-0.5256	1.7060	AREIA
CAN-EU	C-50	3.5004	0.0884	0.9392	0.6546	5.3374	TOTAL
		3.3813	0.0960	0.1922	-0.0741	0.9419	AREIA
CAN-EU	C-51	6.8658	0.0086	2.0199	-0.4952	0.9789	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	C-52	3.0006	0.1249	0.3640	0.5118	2.0315	TOTAL
		3.0003	0.1243	0.3388	0.4702	1.6188	AREIA
CAN-EU	C-53	3.2806	0.1029	0.3719	0.0714	0.7326	TOTAL
		3.2460	0.1054	0.3175	-0.0798	0.6506	AREIA
CAN-EU	C-54	3.0912	0.1173	0.3672	0.4397	0.6185	TOTAL
		3.0826	0.1180	0.3460	0.4029	0.7550	AREIA
CAN-EU	C-55	4.8012	0.0359	2.3208	0.6034	0.6289	TOTAL
		3.2477	0.1053	0.4692	-0.6128	0.9296	AREIA
CAN-EU	C-56	2.8969	0.1341	0.2624	0.3711	1.8944	TOTAL
		2.8974	0.1342	0.2690	0.3510	1.7517	AREIA
CAN-EU	C-57	3.4852	0.0891	0.4654	0.0393	1.4203	TOTAL
		3.4073	0.0943	0.2761	-0.5238	0.9585	AREIA
CAN-EU	C-58	2.8632	0.1374	0.4465	0.1016	1.8303	TOTAL
		2.8593	0.1378	0.4331	0.0750	1.7574	AREIA
CAN-EU	C-59	3.3714	0.0966	0.5607	0.0904	1.2037	TOTAL
		3.2906	0.1022	0.3458	-0.3878	0.7257	AREIA
CAN-EU	C-60	1.9567	0.2576	1.6329	-0.4659	0.6574	TOTAL
		1.9358	0.2614	1.5890	-0.5113	0.6246	AREIA
CAN-EU	C-61	3.4049	0.0944	0.5889	0.0775	1.2318	TOTAL
		3.3075	0.1010	0.3378	-0.4321	0.6728	AREIA
CAN-EU	C-62	1.4212	0.3734	2.0543	0.1367	1.1220	TOTAL
		1.3375	0.3957	1.5233	-0.0891	0.6404	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
ICAN-ES	16-63	3.3803	0.0960	0.7046	0.2581	1.6321	TOTAL
		3.2750	0.1035	0.3390	-0.2882	0.6942	AREIA
ICAN-ES	16-64	4.4808	0.0448	1.4281	0.6393	1.5267	TOTAL
		3.5412	0.0859	0.2587	-0.5426	3.0343	AREIA
ICAN-ES	16-65	2.5265	0.1733	0.9215	-0.3422	2.5629	TOTAL
		2.5152	0.1749	0.6624	-0.4276	2.2993	AREIA
ICAN-ES	16-66	2.9741	0.1268	1.7034	0.2533	1.9958	TOTAL
		2.6936	0.1546	0.9247	-0.3175	0.9343	AREIA
ICAN-ES	16-67	3.7829	0.0727	1.2385	0.3548	2.6020	TOTAL
		3.3467	0.0982	0.3794	-0.6678	0.8325	AREIA
ICAN-ES	16-68	3.3068	0.1009	0.7532	0.2374	1.5769	TOTAL
		3.2015	0.1087	0.4048	-0.2590	0.7570	AREIA
ICAN-ES	16-69	5.0119	0.0310	1.6498	0.8060	0.9716	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-ES	16-70	1.9200	0.2643	2.2926	-0.1019	0.8712	TOTAL
		1.8325	0.2808	1.6746	-0.4827	0.4721	AREIA
ICAN-ES	16-71	3.4705	0.0902	0.9648	0.1424	2.5306	TOTAL
		3.3540	0.0978	0.3601	-0.6454	0.7830	AREIA
ICAN-ES	16-72	3.2167	0.1076	1.2334	0.0901	2.0617	TOTAL
		3.0341	0.1221	0.6498	-0.3877	0.9493	AREIA
ICAN-ES	16-73	2.3841	0.1916	1.5748	-0.0609	1.9736	TOTAL
		2.3000	0.2031	1.1910	-0.3637	1.2836	AREIA
ICAN-ES	16-74	6.8276	0.0088	1.7184	-0.3411	0.8409	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-ES	16-75	3.3798	0.0961	0.9899	0.3759	2.2993	TOTAL
		3.2870	0.1024	0.3499	-0.3891	0.6512	AREIA
ICAN-ES	16-76	4.7460	0.0373	2.1379	0.6362	0.9411	TOTAL
		3.3543	0.0978	0.3606	-0.6771	0.7638	AREIA
ICAN-ES	16-77	4.8659	0.0343	1.8341	0.7126	1.3009	TOTAL
		3.5589	0.0849	0.2200	-0.4744	2.5498	AREIA
ICAN-ES	16-78	4.0628	0.0598	1.1952	0.5747	3.4454	TOTAL
		3.5456	0.0856	0.2310	-0.4970	2.5998	AREIA
ICAN-ES	16-79	2.0764	0.2371	2.0894	-0.3593	0.6731	TOTAL
		1.9701	0.2542	1.6914	-0.6535	0.4431	AREIA
ICAN-ES	16-80	3.3662	0.0972	0.5691	0.1757	1.2467	TOTAL
		3.2900	0.1029	0.3313	-0.2798	0.6644	AREIA
ICAN-ES	16-81	6.6854	0.0097	1.6288	-0.3601	0.7376	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-ES	16-82	3.7659	0.0735	0.5640	0.3038	3.9581	TOTAL
		3.6137	0.0817	0.1485	-0.2326	1.6700	AREIA
ICAN-ES	16-83	4.3124	0.0503	1.6495	0.5458	2.4278	TOTAL
		3.4079	0.0942	0.3538	-0.6791	2.9243	AREIA
ICAN-ES	16-84	4.1958	0.0546	1.5152	0.5700	2.1668	TOTAL
		3.4117	0.0940	0.3209	-0.6272	1.2374	AREIA
ICAN-ES	16-85	3.9401	0.0652	0.8516	0.5733	5.2951	TOTAL
		3.6216	0.0812	0.1589	-0.2658	2.1355	AREIA
ICAN-ES	16-86	4.9032	0.0334	1.5377	0.8320	1.0180	TOTAL
		3.6617	0.0790	0.0906	0.0000	1.0001	AREIA
ICAN-ES	16-87	6.5319	0.0108	2.0005	-0.3747	0.6250	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-ES	16-88	4.9108	0.0331	1.7785	0.7623	1.8443	TOTAL
		3.6198	0.0813	0.1606	-0.3037	2.5475	AREIA
ICAN-ES	16-89	2.9146	0.1320	0.5965	0.5415	4.1765	TOTAL
		2.8704	0.1360	0.3206	0.2841	1.7635	AREIA
ICAN-ES	16-90	3.2154	0.1077	0.9503	0.6847	2.1775	TOTAL
		3.0967	0.1169	0.3711	0.3466	0.6371	AREIA
ICAN-ES	16-91	3.5893	0.0831	0.4136	-0.0265	1.7493	TOTAL
		3.4862	0.0892	0.2401	-0.1010	1.4297	AREIA
ICAN-ES	16-92	3.3120	0.1007	0.5253	0.0400	0.9200	TOTAL
		3.2261	0.1067	0.3776	-0.2418	0.6699	AREIA
ICAN-ES	16-93	3.6173	0.0815	0.4967	0.0062	2.1727	TOTAL
		3.4793	0.0897	0.2587	-0.5473	1.6059	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
ICAN-EU	16-94	3.3862	0.0956	0.3884	-0.2141	0.6915	TOTAL
		3.3266	0.0995	0.3167	-0.4407	0.6357	AREIA
ICAN-EU	16-95	3.6154	0.0816	0.5984	0.0948	2.9837	TOTAL
		3.4858	0.0893	0.2588	-0.5471	1.7344	AREIA
ICAN-EU	16-96	4.9646	0.0320	2.3300	0.4531	1.7575	TOTAL
		3.6073	0.0821	0.6502	-0.4560	11.3563	AREIA
ICAN-EU	16-97	2.7251	0.1512	0.5481	0.0694	1.4871	TOTAL
		2.7158	0.1522	0.5158	0.0149	1.3548	AREIA
ICAN-EU	16-98	2.3234	0.1998	1.1626	-0.4575	1.5049	TOTAL
		2.3141	0.2011	1.1356	-0.4910	1.4477	AREIA
ICAN-EU	16-99	3.2427	0.1056	2.2570	0.5591	1.3003	TOTAL
		2.4765	0.1794	1.0255	0.0303	0.6259	AREIA
ICAN-EU	16-100	3.3394	0.0988	0.4665	-0.3382	0.7654	TOTAL
		3.2745	0.1033	0.3951	-0.5203	0.7229	AREIA
ICAN-EU	16-101	2.3465	0.1966	1.1369	-0.4979	1.5108	TOTAL
		2.3426	0.1972	1.1175	-0.5237	1.4617	AREIA
ICAN-EU	16-102	3.2840	0.1027	0.3683	0.0964	0.7299	TOTAL
		3.2462	0.1054	0.3116	-0.0518	0.6422	AREIA
ICAN-EU	16-103	3.4959	0.0888	0.3590	0.0416	1.1602	TOTAL
		3.4261	0.0930	0.2366	-0.4217	0.9604	AREIA
ICAN-EU	16-104	3.4973	0.0886	0.5027	-0.0148	1.4944	TOTAL
		3.4016	0.0946	0.2982	-0.5672	1.0071	AREIA
ICAN-EU	16-105	2.7908	0.1445	1.6834	-0.0004	2.9321	TOTAL
		2.7603	0.1476	1.0250	-0.4792	1.5444	AREIA
ICAN-EU	16-106	3.5548	0.0851	0.9871	-0.0044	3.0641	TOTAL
		3.3702	0.0967	0.5045	-0.7404	1.9571	AREIA
ICAN-EU	16-107	3.5515	0.0853	0.9712	0.0775	3.7756	TOTAL
		3.4000	0.0942	0.3956	-0.6906	1.7764	AREIA
ICAN-EU	16-108	2.9746	0.1272	1.2354	0.1426	2.1350	TOTAL
		2.8709	0.1367	0.7737	-0.3092	1.1460	AREIA
ICAN-EU	16-109	3.3321	0.0993	1.0116	0.3930	2.4302	TOTAL
		3.2109	0.1074	0.3705	-0.1904	0.6859	AREIA
ICAN-EU	16-110	3.4437	0.0919	0.3355	-0.1432	0.9374	TOTAL
		3.3909	0.0953	0.2653	-0.4298	0.9027	AREIA
ICAN-EU	16-111	2.4579	0.1820	0.9194	-0.4699	2.7236	TOTAL
		2.4534	0.1826	0.9006	-0.4950	2.6477	AREIA
ICAN-EU	16-112	5.2432	0.0264	2.0828	0.0380	0.7750	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EU	16-113	3.5193	0.0872	0.9097	0.1544	2.7176	TOTAL
		3.3768	0.0963	0.3345	-0.6208	0.9169	AREIA
ICAN-EU	16-114	3.6834	0.0878	2.4825	0.1552	1.4496	TOTAL
		2.9969	0.1251	1.0718	-0.8750	1.6096	AREIA
ICAN-EU	16-115	2.2351	0.2124	1.5199	-0.3843	0.6872	TOTAL
		2.1684	0.2225	1.4445	-0.4459	0.6449	AREIA
ICAN-EU	16-116	4.5713	0.0421	1.7436	0.5986	1.4481	TOTAL
		3.4198	0.0934	0.4575	-0.7215	2.6641	AREIA
ICAN-EU	16-117	2.7463	0.1490	1.3676	0.0315	2.5631	TOTAL
		2.6567	0.1584	0.9833	-0.3259	1.7349	AREIA
ICAN-EU	16-118	3.6160	0.0816	0.8500	0.2513	3.4810	TOTAL
		3.4508	0.0909	0.2569	-0.5251	1.2205	AREIA
ICAN-EU	16-119	4.6003	0.0412	1.5702	0.6433	2.0774	TOTAL
		3.6153	0.0817	0.2936	-0.3928	4.6661	AREIA
ICAN-EU	16-120	2.0817	0.2395	0.7673	-0.3402	1.2281	TOTAL
		2.0548	0.2407	0.7628	-0.3474	1.2254	AREIA
ICAN-EU	16-121	1.6645	0.3155	1.5962	-0.4447	0.6710	TOTAL
		1.6134	0.3268	1.5213	-0.4970	0.6201	AREIA
ICAN-EU	16-122	2.8413	0.1395	0.8428	0.0162	1.3900	TOTAL
		2.7850	0.1451	0.7264	-0.1549	1.2170	AREIA
ICAN-EU	16-123	3.1092	0.1159	0.4839	0.4957	0.8667	TOTAL
		3.0606	0.1199	0.3637	0.3635	0.6434	AREIA
ICAN-EU	16-124	3.4482	0.0916	0.7134	0.1740	1.9475	TOTAL
		3.3475	0.0982	0.3184	-0.5158	0.7794	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
ICAN-EO	IC-125	3.4212	0.0933	0.7970	0.1881	1.8832	TOTAL
		3.3105	0.1008	0.3452	-0.4744	0.7005	AREIA
ICAN-EO	IC-126	3.4156	0.0935	0.6486	-0.2090	1.6045	TOTAL
		3.3301	0.0994	0.4533	-0.7042	1.2818	AREIA
ICAN-EO	IC-127	2.5942	0.1668	0.5506	-0.1436	1.7040	TOTAL
		2.5768	0.1676	0.5204	-0.1952	1.5593	AREIA
ICAN-EO	IC-128	3.4905	0.0890	0.7113	0.1300	2.3249	TOTAL
		3.3904	0.0954	0.3122	-0.5855	0.9969	AREIA
ICAN-EO	IC-129	3.7084	0.0765	0.6235	0.3211	3.7153	TOTAL
		3.5637	0.0846	0.1603	-0.2954	1.6040	AREIA
ICAN-EO	IC-130	5.1830	0.0275	1.9026	0.6694	0.8600	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EO	IC-131	2.9243	0.1317	1.3808	0.1072	2.5580	TOTAL
		2.8328	0.1404	0.9218	-0.2947	1.5354	AREIA
ICAN-EO	IC-132	3.3952	0.0952	1.0397	0.2982	2.5731	TOTAL
		3.2908	0.1022	0.3627	-0.4583	0.7207	AREIA
ICAN-EO	IC-133	3.5028	0.0882	0.6750	0.0389	1.9966	TOTAL
		3.3870	0.0956	0.3294	-0.6178	1.0006	AREIA
ICAN-EO	IC-134	4.2027	0.0543	1.2447	0.6272	2.8853	TOTAL
		3.5605	0.0843	0.2336	-0.4736	2.9302	AREIA
ICAN-EO	IC-135	3.6221	0.0812	0.7999	0.2955	3.6614	TOTAL
		3.4847	0.0893	0.2259	-0.4605	1.2728	AREIA
ICAN-EO	IC-136	5.8805	0.0170	1.9258	0.1477	0.6006	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EO	IC-137	1.3402	0.3074	1.5881	-0.1876	0.5707	TOTAL
		1.3504	0.3022	1.5361	-0.2130	0.5336	AREIA
ICAN-EO	IC-138	4.2947	0.0535	1.1056	0.7194	2.7111	TOTAL
		3.6357	0.0805	0.1406	-0.2342	1.0817	AREIA
ICAN-EO	IC-139	2.9475	0.1296	0.5095	0.4771	2.8281	TOTAL
		2.9338	0.1309	0.3720	0.3077	1.6932	AREIA
ICAN-EO	IC-140	3.1510	0.1126	1.1103	0.5125	1.9781	TOTAL
		3.0159	0.1236	0.5199	0.0638	0.7937	AREIA
ICAN-EO	IC-141	2.4265	0.1858	0.6668	-0.3358	1.5144	TOTAL
		2.4257	0.1861	0.6618	-0.3467	1.5003	AREIA
ICAN-EO	IC-142	3.1066	0.1161	0.4278	0.4955	0.8619	TOTAL
		3.0707	0.1190	0.3602	0.4011	0.7303	AREIA
ICAN-EO	IC-143	2.9011	0.1339	0.3754	0.2908	1.8553	TOTAL
		2.8950	0.1346	0.3546	0.2495	1.7142	AREIA
ICAN-EO	IC-144	4.0149	0.0619	0.9613	0.6215	5.6617	TOTAL
		3.6227	0.0812	0.1591	-0.2651	2.1287	AREIA
ICAN-EO	IC-145	6.2074	0.0135	2.0720	-0.2152	0.6136	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EO	IC-146	3.4798	0.0896	0.8266	0.1874	2.5476	TOTAL
		3.3700	0.0967	0.3210	-0.5873	0.8945	AREIA
ICAN-EO	IC-147	4.0663	0.0593	1.8835	0.6322	1.8513	TOTAL
		3.4505	0.0911	0.3244	-0.6386	2.2074	AREIA
ICAN-EO	IC-148	7.2828	0.0064	1.6561	-0.4274	1.0922	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EO	IC-149	7.0334	0.0076	1.7252	-0.4234	0.8901	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-EO	IC-150	2.4719	0.1802	0.7257	-0.4572	2.2892	TOTAL
		2.4697	0.1805	0.7215	-0.4659	2.2741	AREIA
ICAN-EO	IC-151	3.0398	0.1216	0.3527	0.5272	1.3605	TOTAL
		3.0449	0.1212	0.3323	0.4917	1.1450	AREIA
ICAN-EO	IC-152	2.6761	0.1562	0.5496	-0.0698	1.8967	TOTAL
		2.6600	0.1573	0.5225	-0.1413	1.7720	AREIA
ICAN-EO	IC-153	3.2737	0.1034	0.4329	-0.1172	0.8316	TOTAL
		3.2294	0.1066	0.3738	-0.2741	0.7645	AREIA
ICAN-EO	IC-154	2.9842	0.1259	0.3812	0.4763	1.8456	TOTAL
		2.9707	0.1276	0.3311	0.4027	1.4542	AREIA
ICAN-EO	IC-155	3.5545	0.0951	0.4396	0.3972	1.5596	TOTAL
		3.4328	0.0926	0.1971	-0.2238	0.9650	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
CAN-EO	IC-156	3.1151	0.0289	2.1712	0.3411	0.7498	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EO	IC-157	3.1572	0.1121	0.4140	0.4683	0.7262	TOTAL
		3.1175	0.1152	0.3539	0.3858	0.6296	AREIA
CAN-EO	IC-158	3.0919	0.1173	0.4690	0.3390	0.6629	TOTAL
		3.0565	0.1200	0.4096	0.2271	0.7506	AREIA
CAN-EO	IC-159	4.0996	0.0583	1.2806	0.6333	4.3884	TOTAL
		3.5111	0.0877	0.2274	-0.4841	1.7692	AREIA
CAN-EO	IC-160	3.4013	0.0946	0.3888	-0.1534	0.8485	TOTAL
		3.3390	0.0988	0.3072	-0.4277	0.7860	AREIA
CAN-EO	IC-161	3.2479	0.1053	0.4609	0.1009	0.7624	TOTAL
		3.1792	0.1104	0.3761	-0.0415	0.6697	AREIA
CAN-EO	IC-162	3.1050	0.1162	0.3780	0.4902	0.9507	TOTAL
		3.0865	0.1176	0.3319	0.4159	0.7946	AREIA
CAN-EO	IC-163	3.7859	0.0725	0.7705	0.3938	4.7791	TOTAL
		3.5778	0.0837	0.1918	-0.3875	2.2861	AREIA
CAN-EO	IC-164	3.3917	0.0953	0.3505	-0.1485	0.9397	TOTAL
		3.3523	0.0979	0.2905	-0.3640	0.8953	AREIA
CAN-EO	IC-165	3.5979	0.0832	0.4688	0.1489	1.8776	TOTAL
		3.4752	0.0899	0.2242	-0.4449	1.1775	AREIA
CAN-EO	IC-166	3.1906	0.1089	0.3626	0.3666	0.7395	TOTAL
		3.1702	0.1111	0.3158	0.2809	0.6299	AREIA
CAN-EO	IC-167	3.3506	0.0980	0.4586	0.0048	0.8534	TOTAL
		3.2742	0.1034	0.3376	-0.2606	0.6672	AREIA
CAN-EO	IC-168	3.0746	0.1187	0.4523	0.3658	0.8360	TOTAL
		3.0449	0.1212	0.4056	0.2733	0.7778	AREIA
CAN-EO	IC-169	2.6511	0.1592	0.5613	0.0086	1.0140	TOTAL
		2.6426	0.1601	0.5472	-0.0123	0.9852	AREIA
CAN-EO	IC-170	4.9559	0.0322	2.1439	0.5093	1.9273	TOTAL
		3.6034	0.0823	0.5858	-0.4628	10.0464	AREIA
CAN-EO	IC-171	3.9754	0.0636	1.0924	0.6057	4.8738	TOTAL
		3.5466	0.0856	0.1932	-0.4076	1.9794	AREIA
CAN-EO	IC-172	2.9745	0.1272	0.6952	0.2147	1.4464	TOTAL
		2.9248	0.1317	0.5795	0.0403	1.2780	AREIA
CAN-EO	IC-173	3.2379	0.1060	1.0253	-0.2365	2.4885	TOTAL
		3.1529	0.1124	0.6632	-0.4234	2.3749	AREIA
CAN-EO	IC-174	3.1257	0.1146	0.7193	0.5717	1.6429	TOTAL
		3.0616	0.1198	0.3995	0.2653	0.6853	AREIA
CAN-EO	IC-175	4.6945	0.0338	1.7654	0.7667	6.9536	TOTAL
		3.5701	0.0842	0.1799	-0.3662	1.9890	AREIA
CAN-EO	IC-176	2.8165	0.1418	1.4101	0.0473	4.3310	TOTAL
		2.7597	0.1477	0.9707	-0.3095	2.9908	AREIA
CAN-EO	IC-177	5.9515	0.0162	2.1824	-0.1548	0.5715	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EO	IC-178	4.9973	0.0313	1.7201	0.8158	6.9849	TOTAL
		3.6336	0.0806	0.1339	-0.2109	1.7297	AREIA
CAN-EO	IC-179	4.0843	0.0590	1.5006	0.6410	3.3133	TOTAL
		3.3948	0.0951	0.3032	-0.5734	0.9772	AREIA
CAN-EO	IC-180	3.4850	0.0893	0.8903	0.4463	3.3435	TOTAL
		3.3606	0.0974	0.2731	-0.3061	1.0313	AREIA
CAN-EO	IC-181	6.3407	0.0120	2.1096	-0.4254	0.7023	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EO	IC-182	5.0578	0.0300	2.1062	0.6595	0.6231	TOTAL
		3.4206	0.0929	0.3076	-0.6068	1.2857	AREIA
CAN-EO	IC-183	3.3065	0.1011	0.9747	0.4689	2.6209	TOTAL
		3.2364	0.1061	0.3434	-0.1382	0.6582	AREIA
CAN-EO	IC-184	6.1604	0.0139	2.1270	-0.2817	0.5930	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EO	IC-185	6.4672	0.0113	2.0525	-0.4461	0.6627	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EO	IC-186	7.2034	0.0068	1.4594	-0.3274	1.3134	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-PHI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
CAN-EU	EC-187	7.1395	0.0071	1.2950	-0.2237	0.6995	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-188	5.9140	0.0166	2.1413	0.0330	0.5754	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-189	7.1976	0.0072	1.3791	-0.2320	0.9566	TOTAL
			0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-190	6.8372	0.0087	1.6628	[illegible]	[illegible]	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-191	5.0129	0.0310	2.0851	0.6636	0.6094	TOTAL
		3.4274	0.0930	0.2930	-0.5641	1.1534	AREIA
CAN-EU	EC-192	7.0127	0.0077	1.3248	-0.1440	0.8337	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-193	6.9306	0.0082	1.6949	-0.3572	0.9048	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-194	6.7950	0.0093	1.5612	-0.1411	0.9789	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-195	6.7030	0.0096	1.5030	-0.1347	0.9181	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-196	7.0001	0.0078	1.4447	-0.2403	0.9382	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-197	7.0408	0.0076	1.3686	-0.1961	0.8655	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-198	6.7777	0.0091	1.4360	-0.0841	0.9322	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-199	7.1374	0.0071	1.3110	-0.2064	0.7297	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-200	6.5835	0.0104	1.9390	-0.4520	0.9754	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-201	6.5776	0.0105	1.5744	-0.0589	0.8992	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-202	6.6103	0.0102	1.7671	-0.3240	0.9513	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-203	7.4050	0.0059	1.1834	-0.2372	1.2373	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-204	6.1169	0.0144	1.5029	0.2133	0.6768	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-205	6.8748	0.0085	1.4763	-0.1897	0.9768	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-206	6.2711	0.0129	2.0722	-0.3638	0.6049	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-207	6.3784	0.0120	1.7230	-0.1390	0.6034	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-208	6.3595	0.0122	1.8921	-0.3601	0.8579	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-209	5.8282	0.0176	1.7580	0.1671	0.6999	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-210	5.7954	0.0180	1.9991	0.1292	0.6570	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-211	7.2700	0.0065	1.3993	-0.3110	1.4337	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-212	4.4233	0.0466	1.3085	0.7202	1.7178	TOTAL
		3.6003	0.0820	0.1546	-0.2432	1.9470	AREIA
CAN-EU	EC-213	6.5814	0.0106	1.6637	-0.2658	0.8364	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-214	5.6710	0.0196	1.9271	0.1648	0.6535	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-215	4.4059	0.0472	1.2299	0.7491	1.9826	TOTAL
		3.6279	0.0809	0.1334	-0.2017	1.6726	AREIA
CAN-EU	EC-216	6.0979	0.0146	1.8866	-0.0397	0.7871	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-EU	EC-217	6.9392	0.0081	1.5049	-0.2176	0.8637	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
ICAN-80	16-218	0.4501	0.0114	1.7443	-0.2184	0.8201	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-219	4.0801	0.0591	1.5233	0.5321	2.6977	TOTAL
		3.3628	0.0972	0.3733	-0.6639	1.0231	AREIA
ICAN-80	16-220	4.2189	0.0537	1.1564	0.7087	4.1365	TOTAL
		3.6142	0.0817	0.1530	-0.2449	1.9604	AREIA
ICAN-80	16-221	6.6840	0.0097	1.6760	-0.3030	0.8819	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-222	7.0928	0.0073	1.4384	-0.2379	0.9301	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-223	3.5605	0.0843	0.4832	0.0612	1.7425	TOTAL
		3.4540	0.0913	0.2527	-0.5085	1.1535	AREIA
ICAN-80	16-224	3.7704	0.0729	1.3285	0.4905	2.1368	TOTAL
		3.2401	0.1056	0.3908	-0.3589	0.7079	AREIA
ICAN-80	16-225	5.2019	0.0272	1.7426	0.3429	0.8716	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-226	2.7232	0.1514	0.8661	-0.1008	0.8834	TOTAL
		2.6913	0.1548	0.8172	-0.1651	0.6342	AREIA
ICAN-80	16-227	3.2163	0.1079	0.3686	-0.0629	1.3873	TOTAL
		3.1946	0.1092	0.3263	-0.1868	1.1802	AREIA
ICAN-80	16-228	4.7251	0.0378	2.1245	0.5459	1.0957	TOTAL
		3.3614	0.0973	0.5706	-0.7545	2.2466	AREIA
ICAN-80	16-229	3.2419	0.1057	0.6661	0.4638	1.6527	TOTAL
		3.1648	0.1115	0.3454	0.1204	0.6605	AREIA
ICAN-80	16-230	3.5083	0.0879	0.3322	0.3960	1.3668	TOTAL
		3.4165	0.0937	0.1764	-0.0781	0.9617	AREIA
ICAN-80	16-231	4.9505	0.0323	1.6621	0.6958	1.0360	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-232	3.4974	0.0885	0.5469	0.0187	1.5328	TOTAL
		3.3976	0.0956	0.3043	-0.5746	0.9078	AREIA
ICAN-80	16-233	4.9606	0.0319	2.0493	0.4980	0.6328	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-234	4.8399	0.0349	1.6381	0.7871	2.0357	TOTAL
		3.6119	0.0818	0.1484	-0.2304	1.8548	AREIA
ICAN-80	16-235	3.3805	0.0955	0.5656	0.0759	1.1000	TOTAL
		3.2825	0.1028	0.3437	-0.3403	0.6546	AREIA
ICAN-80	16-236	6.9566	0.0080	1.5374	-0.2377	0.9204	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
ICAN-80	16-237	4.7866	0.0362	2.2105	0.5686	0.6127	TOTAL
		3.2437	0.1056	0.4992	-0.5973	0.9321	AREIA
ICAN-80	16-238	3.2769	0.1030	1.0957	0.6052	2.3558	TOTAL
		3.1024	0.1164	0.3648	0.2360	0.6579	AREIA
ICAN-80	16-239	3.5478	0.0855	0.8660	0.3137	3.0140	TOTAL
		3.4181	0.0935	0.2715	-0.5195	1.0190	AREIA
ICAN-80	16-240	4.1436	0.0565	1.6011	0.4603	4.9583	TOTAL
		3.4076	0.0941	0.4721	-0.7403	3.2477	AREIA
ICAN-80	16-241	3.2475	0.1053	0.7997	0.2520	1.6937	TOTAL
		3.1517	0.1125	0.4546	-0.1862	0.6639	AREIA
ICAN-80	16-242	3.2424	0.1057	0.4735	0.3028	0.8641	TOTAL
		3.1727	0.1109	0.3525	0.1260	0.6403	AREIA
ICAN-80	16-243	3.5332	0.0864	1.2524	0.0352	4.2983	TOTAL
		3.3807	0.0956	0.6432	-0.7306	3.1044	AREIA
ICAN-80	16-244	3.4425	0.0920	0.3450	-0.1200	0.8959	TOTAL
		3.3816	0.0959	0.2672	-0.4203	0.8444	AREIA
ICAN-80	16-245	7.3975	0.0059	1.4590	-0.3415	1.1468	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA

PROJETO	AMOSTRA	DIAMETRO MEDIO-FI	DIAMETRO MEDIO-MM	DESVIO PADRAO	ASSIMETRIA	CURTOSE	DISTRIBUICAO
CAN-ED	IC-216	6.4561	0.0114	1.7443	-0.2184	0.8201	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-219	4.0801	0.0591	1.5233	0.5321	2.6977	TOTAL
		3.3628	0.0972	0.3733	-0.6639	1.0231	AREIA
CAN-ED	IC-220	4.2149	0.0537	1.1564	0.7087	4.1385	TOTAL
		3.6142	0.0817	0.1530	-0.2449	1.9604	AREIA
CAN-ED	IC-221	6.6840	0.0097	1.6760	-0.3030	0.6819	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-222	7.0928	0.0073	1.4384	-0.2379	0.9301	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-223	3.5665	0.0843	0.4802	0.0612	1.7425	TOTAL
		3.4540	0.0913	0.2527	-0.5085	1.1535	AREIA
CAN-ED	IC-224	3.7704	0.0729	1.3285	0.4905	2.1368	TOTAL
		3.2401	0.1058	0.3908	-0.3589	0.7079	AREIA
CAN-ED	IC-225	5.2019	0.0272	1.7426	0.3429	0.6716	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-226	2.7232	0.1514	0.8661	-0.1008	0.8834	TOTAL
		2.6913	0.1548	0.8172	-0.1651	0.8342	AREIA
CAN-ED	IC-227	3.2163	0.1079	0.3686	-0.0629	1.3873	TOTAL
		3.1946	0.1092	0.3263	-0.1868	1.1802	AREIA
CAN-ED	IC-228	4.7251	0.0378	2.1245	0.5459	1.0957	TOTAL
		3.3614	0.0973	0.5706	-0.7545	2.2466	AREIA
CAN-ED	IC-229	3.2419	0.1057	0.6661	0.4638	1.6527	TOTAL
		3.1648	0.1115	0.3454	0.1204	0.6605	AREIA
CAN-ED	IC-230	3.5083	0.0879	0.3322	0.3960	1.3668	TOTAL
		3.4165	0.0937	0.1764	-0.0781	0.9617	AREIA
CAN-ED	IC-231	4.9505	0.0323	1.6621	0.6958	1.0360	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-232	3.4974	0.0885	0.5469	0.0187	1.5328	TOTAL
		3.3876	0.0956	0.3043	-0.5746	0.9078	AREIA
CAN-ED	IC-233	4.9666	0.0319	2.0493	0.4980	0.6328	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-234	4.8399	0.0349	1.6381	0.7871	2.0357	TOTAL
		3.6119	0.0818	0.1484	-0.2304	1.8548	AREIA
CAN-ED	IC-235	3.3865	0.0955	0.5656	0.0759	1.1000	TOTAL
		3.2825	0.1028	0.3437	-0.3403	0.6546	AREIA
CAN-ED	IC-236	6.9586	0.0080	1.5374	-0.2377	0.9204	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA
CAN-ED	IC-237	4.7866	0.0362	2.2105	0.5686	0.6127	TOTAL
		3.2837	0.1056	0.4992	-0.5973	0.9321	AREIA
CAN-ED	IC-238	3.2769	0.1030	1.0957	0.6052	2.3558	TOTAL
		3.1024	0.1164	0.3648	0.2360	0.6579	AREIA
CAN-ED	IC-239	3.5478	0.0855	0.8660	0.3137	3.0140	TOTAL
		3.4161	0.0935	0.2715	-0.5195	1.0190	AREIA
CAN-ED	IC-240	4.1456	0.0565	1.6011	0.4603	4.9583	TOTAL
		3.4096	0.0941	0.4721	-0.7403	3.2477	AREIA
CAN-ED	IC-241	3.2475	0.1053	0.7997	0.2520	1.6937	TOTAL
		3.1517	0.1125	0.4546	-0.1862	0.8639	AREIA
CAN-ED	IC-242	3.2424	0.1057	0.4735	0.3028	0.8641	TOTAL
		3.1727	0.1109	0.3525	0.1260	0.6403	AREIA
CAN-ED	IC-243	3.5352	0.0864	1.2524	0.0352	4.2983	TOTAL
		3.3867	0.0956	0.6432	-0.7386	3.1044	AREIA
CAN-ED	IC-244	3.4425	0.0920	0.3450	-0.1200	0.8959	TOTAL
		3.3816	0.0959	0.2672	-0.4203	0.8444	AREIA
CAN-ED	IC-245	7.3975	0.0059	1.4590	-0.3415	1.1468	TOTAL
		0.0000	0.0000	0.0000	0.0000	0.0000	AREIA

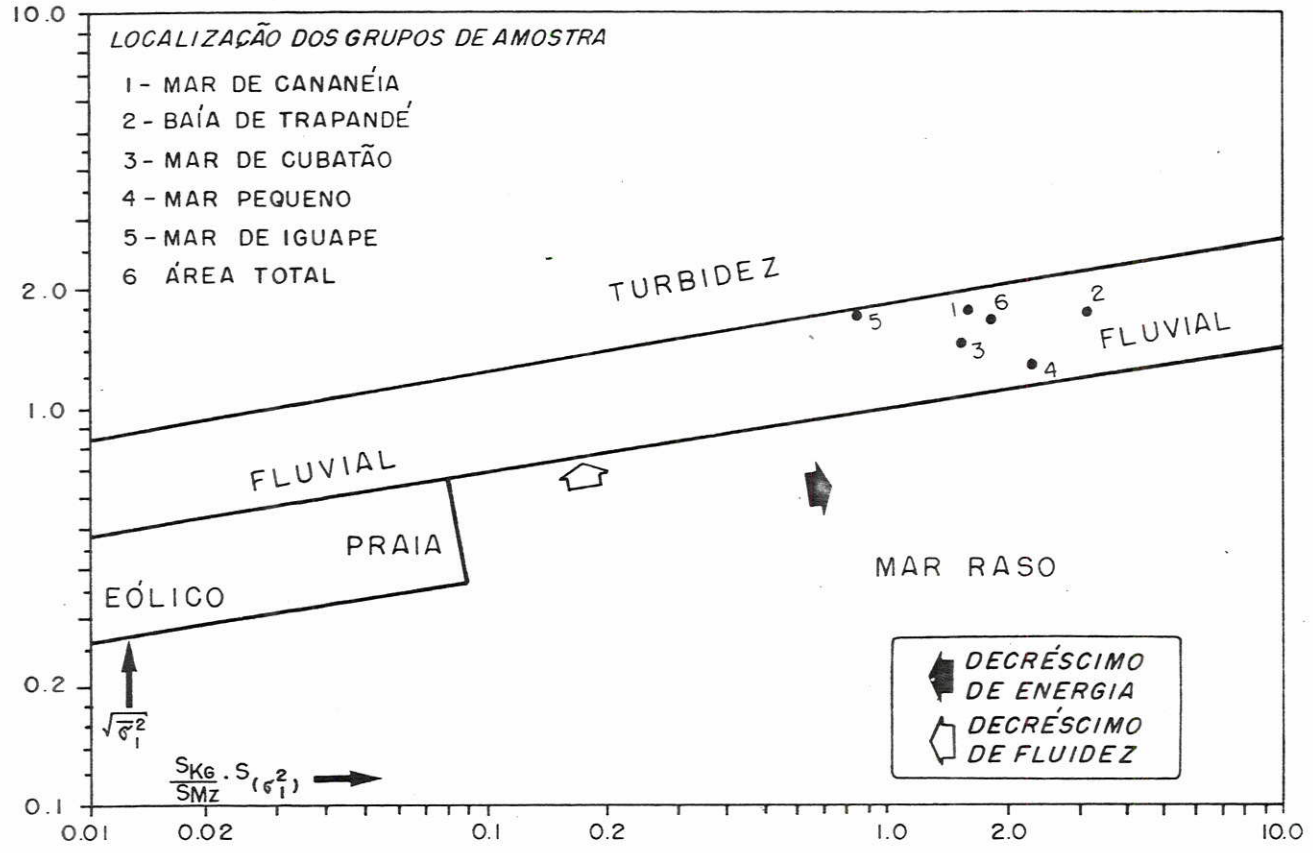


Fig. 22 - Diferenças de energia e viscosidade e suas relações com os sub-ambientes deposicionais na região lagunar de Cananéia - Iguape.

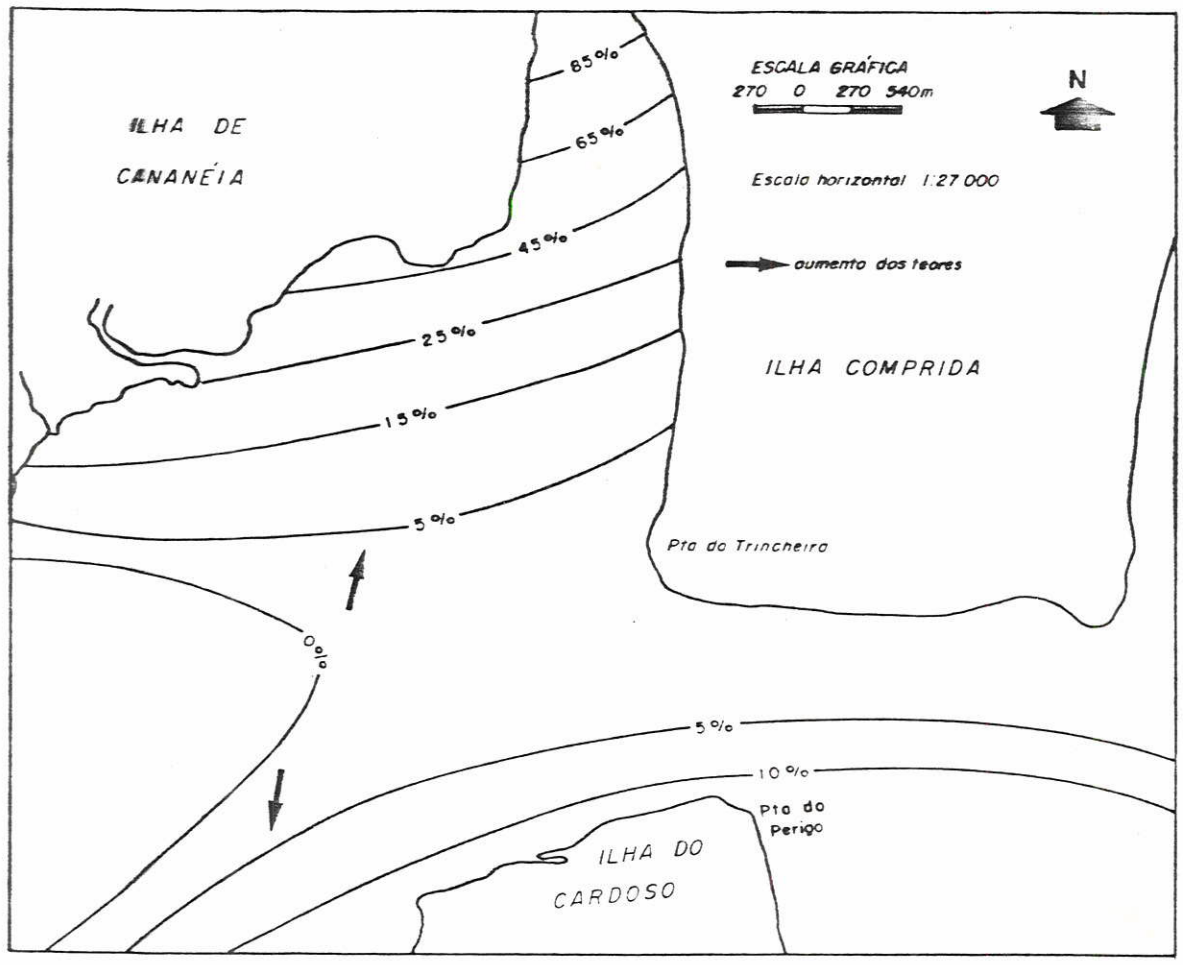


Fig. 23 - Superfície de tendência do 2.º grau da porcentagem de pelitos - barra de Cananéia.

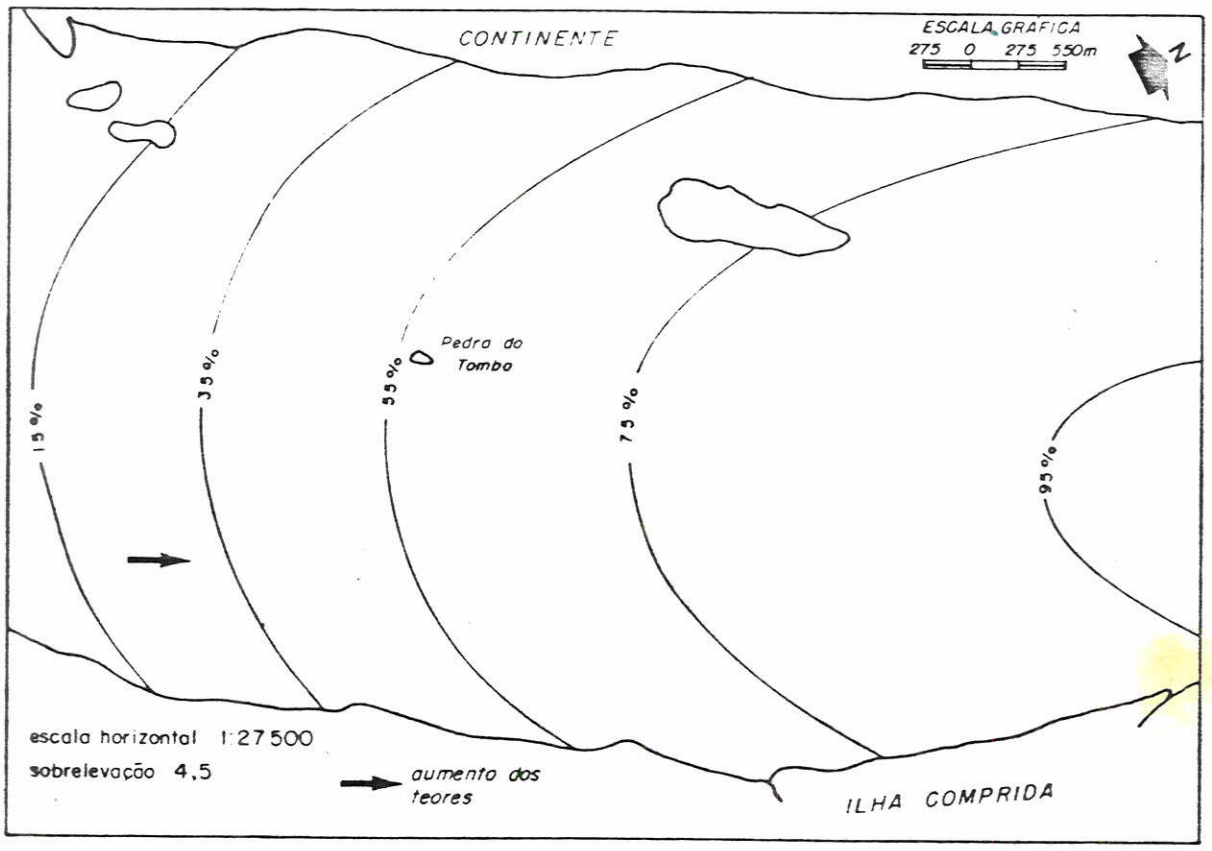


Fig. 24 - Superfície de tendência do 2.º grau da porcentagem de pelitos - pedra do Tombo.

Tabela 5 - Descrição dos principais minerais pesados transparentes não-micáceos e possíveis áreas fontes

	Descrição	Fonte provável
Hornblenda	Predominantemente alongados com bordos arredondados, serrilhados e serrilhados reentrantes. As hornblendas de coloração parda predominam sendo também encontradas as de tipo castanho (lamprobolita) e as de coloração verde muito escuro (hastingsita).	Presente em rochas ígneas ácidas e básicas, bem como em rochas metamórficas de alto grau. Mineral comum nas rochas do embasamento pré-cambriano.
Zircão	Predomíninio de grãos prismáticos de comprimento variável, muitas vezes com extremidades piramidais ou arredondados. Grãos alongados e eqüidimensionais bem arredondados também são encontrados, sendo que os grãos prismáticos podem apresentar-se quebrados e quase sempre com linhas de crescimento. Na sua maioria são incolores, estando também presentes zircões róseos.	Rochas do embasamento pré-cambriano. Mineral de alta resistência à abrasão e decomposição química; é constituinte comum na maioria dos detritos sedimentares.

Turmalina	As formas mais freqüentes são prismáticos com bordos arrendondados, porém são também freqüentes as alongadas eqüidimensionais arredondadas Apresentam-se por vezes ricas em inclusões, destacando-se também os grãos que apresentam crescimento secundário. Além das cores castanhas, predominantes, são também encontradas turmalinas azuis (indigolita).	Podem ser originárias de rochas graniticas, veios pegmatíticos e rochas metamórficas do embasamento cristalino. A coexistência de formas prismáticas junto a formas bem arredondadas, sugere uma origem a partir de sedimentos retrabalhados.
Epídoto	Predomínio de grãos arredondados, irregulares tendendo a retangular com alguns poucos tendendo a prismáticos. A cor mais freqüente é o amarelho esverdeado a bem esverdeado (pistachita), sendo encontrado ainda o amarelho claro e o incolor.	Mineral de origem metamórfica (rochas gnáissicas e migmatiticas do embasamento cristalino).
Estaurolita	As formas mais freqüentes são as eqüidimensionais, sendo também encontradas formas euedrais. Algumas formas euedrais apresentam-se geminadas predominando as estaurolitas de coloração amarelo-avermelhada.	Rochas metamórficas do embasamento cristalino.

Sillimanita	Predominam grãos prismáticos e secundariamente formas fibrosas (fibrolita).	Rochas metamórficas de alto grau de metamorfismo (fácies anfibolito a granulito). Embasamento pré-cambriano
Rutilo	Predomínio de cristais prismáticos, alguns fraturados, podendo apresentar bordos arredondados. De coloração vermelha, são também encontrados os de coloração vermelho-amarelado.	Origem a partir de charnockitos e rochas granulíticas.
Granada	Existe constantemente como grãos eqüidimensionais arredondados, apresentando por vezes picotamento superficial. Além da coloração róseo-avermelhada foram também encontrados grãos de coloração amarelada.	Gnaisses e migmatitos do embasamento.
Cianita	Grãos alongados, angulosos e menos freqüentemente arredondados. Incolores.	Rochas metamórficas.

Titanita	Apresenta coloração parda e formas eqüidimensionais ovóides bem arredondados.	Rochas do embasamento e talvez de maciços alcalinos.
Andaluzita	Formas prismáticas angulares podendo apresentar-se com bordos arredondados.	Rochas metamórficas do embasamento cristalino.
Perowskita	Apresenta coloração castanho avermelhada escura e quanto a forma apresenta-se diferentemente nas duas porções extremas da área lagunar. Na região sul (próximo a cidade de Cananéia) este mineral apresenta-se arredondado enquanto no extremo oposto (próximo a Iguape) predominam as formas euedrais apresentando inclusive geminação polissintética.	Mineral característico de rochas alcalinas insaturadas.

Tabela 6A - Freqüência percentual de minerais pesados - Fração: 0,250 a 0,125mm

Amostra	C-2	C-78	C-107	C-146	C-150	C-167	C-235	Fm.Pariquera-Açu	Fm. Cananéia
Zircão	34.5	40.0	36.0	41.0	-	3.8	Tr	61.0	-
Turmalina	51.4	45.0	47.0	15.0	40.0	23.1	5.0	22.0	28.8
Rutilo	-	1.0	3.0	7.0	-	36.5	Tr	1.0	-
Hornblenda	-	-	-	9.0	22.0	13.5	74.0	1.0	31.5
Epídoto	1.8	2.0	4.0	15.0	14.0	5.8	10.0	-	11.0
Estaurolita	5.5	6.0	5.0	3.0	4.0	1.9	Tr	-	2.7
Cianita	1.7	1.0	2.0	4.0	-	-	-	-	6.8
Granada	1.7	2.0	1.0	1.0	2.0	-	Tr	1.0	-
Monazita	-	-	-	-	-	-	-	-	1.4
Lamprobolita	-	-	-	-	-	-	-	-	-
Andaluzita	-	-	-	1.0	13.0	-	-	8.0	6.8
Sillimanita	1.7	-	-	1.0	3.0	7.8	2.0	6.0	1.4
Tremolita	-	-	-	2.0	2.0	3.8	7.0	-	8.2
Perowskita	-	1.0	1.0	1.0	-	-	-	-	-
Hiperstênio	-	-	-	-	-	1.9	2.0	-	1.4
Anatásio	-	-	-	-	-	-	-	-	-
Titanita	1.7	2.0	1.0	-	-	1.9	Tr	-	-
Espinélio	-	-	-	-	-	-	-	-	-

Tabela 6B - Freqüência percentual de minerais pesados - Fração: 0,125 - 0,062mm

Amostra	C-2	C-94	C-146	C-167	C-201	C-235	C-237	Fm.Pariquera-Açu	Fm. Cananéia
Zircão	40.7	30.0	14.0	14.0	3.0	1.0	4.0	69.0	-
Turmalina	12.8	20.0	21.0	18.0	1.0	11.0	4.0	7.0	39.0
Rutilo	2.3	3.0	-	2.0	-	Tr	Tr	7.0	Tr
Hornblenda	8.7	10.0	17.5	12.0	59.0	38.0	43.0	-	10.0
Epídoto	17.4	15.0	28.1	35.0	25.0	36.0	27.0	-	18.0
Estaurolita	6.4	7.0	1.8	3.0	Tr	2.0	5.0	3.0	12.0
Cianita	4.7	5.0	-	4.0	1.0	Tr	Tr	5.0	6.0
Granada	-	-	1.8	2.0	2.0	Tr	2.0	Tr	-
Monazita	0.6	1.0	-	-	-	-	-	1.0	-
Lamprobolita	-	-	-	-	2.0	Tr	Tr	-	-
Andaluzita	2.9	3.0	1.8	1.0	-	1.0	1.0	4.0	5.0
Sillimanita	0.6	1.0	5.2	5.0	1.0	2.0	3.0	2.0	1.0
Tremolita	1.2	4.0	-	2.0	5.0	4.0	9.0	-	8.0
Perowskita	1.7	1.0	1.8	1.0	1.0	Tr	Tr	1.0	-
Hiperstênio	-	-	3.5	-	-	-	1.0	-	1.0
Anatásio	-	-	3.5	-	Tr	Tr	-	1.0	-
Titanita	-	-	-	-	Tr	5.0	1.0	-	-
Espinélio	-	-	-	1.0	-	Tr	-	-	-

Tabela 7 - Teores de carbono orgânico na amostra total

Amostra	% C.org.	Amostra	% C.org.
C- 1	1,07	C-43	1,79
C- 3	2,07	C-44	1,12
C- 4	2,38	C-45	0,20
C- 5	0,20	C-46	1,19
C- 6	1,20	C-47	4,06
C- 7	0,93	C-48	0,65
C- 8	0,42	C-49	1,05
C-10	0,39	C-50	3,33
C-12	0,98	C-51	3,17
C-13	0,29	C-52	0,20
C-14	0,32	C-53	0,14
C-15	1,03	C-54	0,32
C-16	0,93	C-56	0,03
C-17	1,06	C-57	0,38
C-18	0,54	C-58	0,14
C-20	0,14	C-59	0,37
C-23	1,54	C-60	0,5
C-24	0,62	C-62	1,65
C-25	0,25	C-64	0,95
C-26	1,80	C-65	0,40
C-27	0,75	C-66	1,03
C-28	0,50	C-67	1,18
C-29	0,34	C-68	0,47
C-30	3,08	C-69	1,67
C-31	0,43	C-70	1,56
C-32	0,50	C-71	0,80
C-33	0,35	C-72	0,85
C-35	2,61	C-74	3,35
C-36	3,43	C-75	1,54
C-37	0,14	C-76	2,17
C-38	0,35	C-80	0,68
C-39	0,29	C-81	2,80
C-40	0,91	C-82	0,45
C-41	2,86	C-83	1,33
C-42	0,83	C-85	0,70

cont....

Amostra	% C. org.	Amostra	% C.org.
C-86	1,39	C-134	1,50
C-90	0,63	C-135	0,70
C-91	0,12	C-136	2,94
C-92	0,76	C-138	1,21
C-93	0,31	C-139	2,23
C-94	0,06	C-142	0,23
C-95	0,37	C-144	0,68
C-97	0,0	C-145	2,21
C-99	2,72	C-146	0,49
C-100	0,11	C-147	1,85
C-101	0,14	C-148	2,30
C-102	0,18	C-149	3,0
C-103	0,12	C-150	0,09
C-105	0,29	C-151	0,09
C-106	0,57	C-152	0,12
C-107	0,63	C-153	0,29
C-108	0,71	C-154	0,15
C-109	0,77	C-156	2,65
C-110	0,03	C-157	0,09
C-112	1,45	C-158	0,31
C-113	0,64	C-160	0,09
C-114	0,60	C-161	0,38
C-115	0,23	C-162	0,15
C-116	1,45	C-163	0,96
C-117	0,65	C-164	0,06
C-118	0,54	C-166	0,17
C-119	2,28	C-167	0,35
C-123	0,30	C-168	0,17
C-124	0,54	C-169	0,0
C-127	0,43	C-170	4,48
C-128	0,58	C-171	3,22
C-129	0,44	C-172	0,06
C-130	1,83	C-173	0,27
C-131	0,43	C-174	0,58
C-132	0,83	C-175	1,31
C-133	0,34	C-176	1,28

cont....

Amostra	% C. org.	Amostra	% C. org.
C-177	2,74	C-215	0,76
C-178	1,95	C-216	2,61
C-179	2,82	C-217	2,62
C-180	0,54	C-218	2,35
C-181	3,11	C-219	2,87
C-182	2,70	C-220	0,51
C-183	0,46	C-221	2,23
C-184	2,78	C-222	2,25
C-185	1,78	C-223	0,41
C-186	2,08	C-224	0,23
C-187	2,45	C-225	1,11
C-188	2,91	C-226	0,23
C-189	1,36	C-227	0,26
C-190	2,19	C-228	3,06
C-191	1,49	C-229	1,45
C-192	2,18	C-230	0,38
C-193	3,41	C-232	1,87
C-194	2,43	C-233	0,37
C-195	1,78	C-234	0,78
C-196	2,05	C-235	0,26
C-197	1,94	C-236	4,13
C-198	2,39	C-238	0,96
C-199	2,62	C-239	0,82
C-200	1,88	C-240	2,68
C-201	2,12	C-242	0,27
C-202	1,60	C-245	2,69
C-203	1,43		
C-204	1,34		
C-205	2,30		
C-206	2,78		
C-207	1,11		
C-209	2,68		
C-210	2,69		
C-211	2,58		
C-212	2,48		
C-214	2,09		