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MODELE MATHEMATIQUE DE LA  
POLLUTION EN MER DU NORD.

TECHNICAL REPORT

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This paper not to be cited without prior reference to the author.

SORPTIE-EIGENSCHAPPEN VAN SEDIMENTEN

VAN DE NOORDZEE.

M.MEEUSSEN, Laboratorium voor recente sedimentologie  
van het K. B. I. N.  
o.l.v. A.BASTIN

september 1975

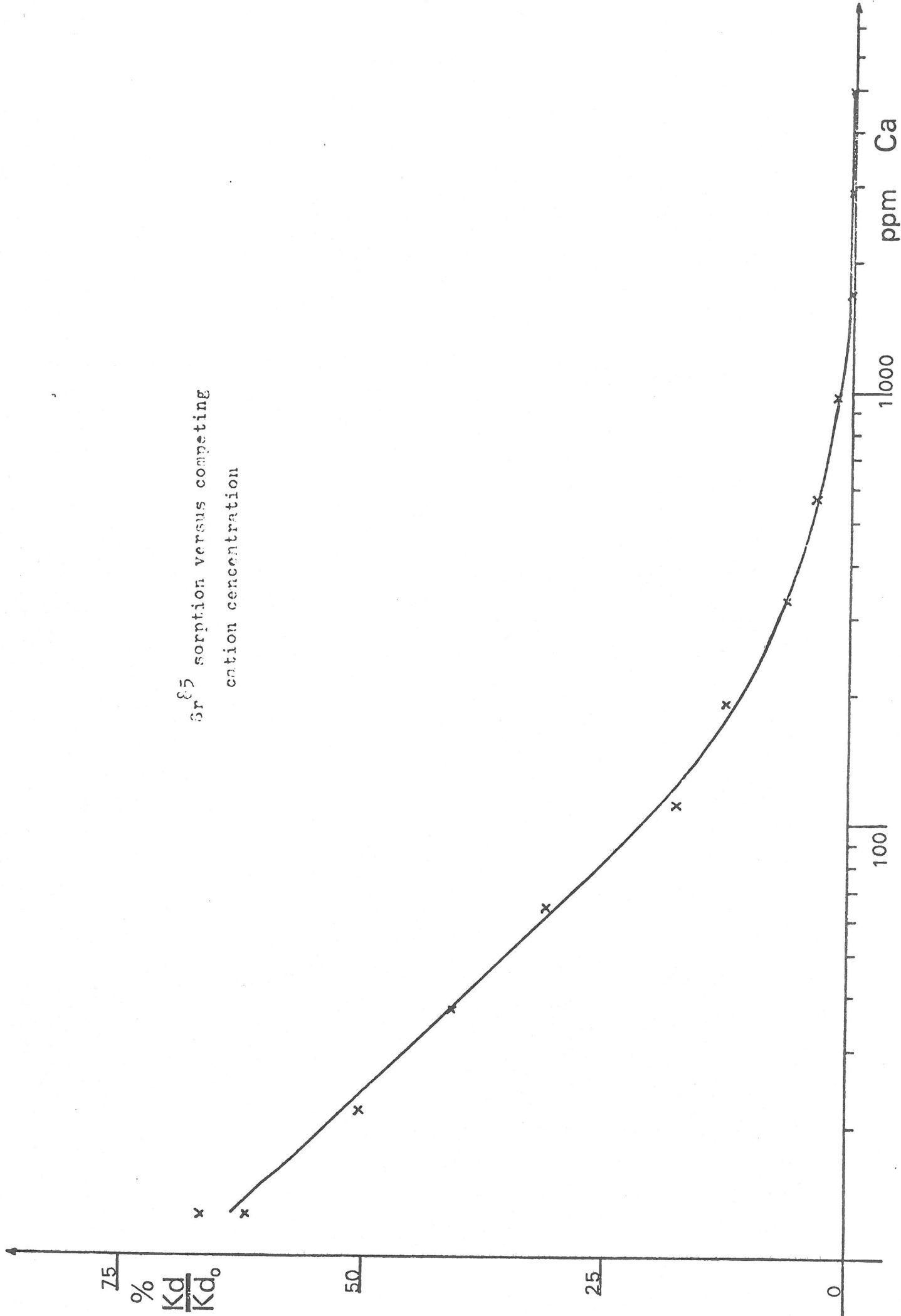
Invloed van  $\text{Ca}^{2+}$  op de sorptie

van  $\text{Sr}^{85}$ .

Bodemmonster 1098 <150  $\mu$

ppm $\text{Ca}^{2+}$	% $\text{Kd}/\text{Kd}_0$
0	100
12,5	66,8
12,5	62,1
21,6	50,6
37,3	41,0
64,2	31,1
111	17,8
191	12,8
329	6,6
568	3,6
978	1,6
1690	< 1
2910	< 1
5020	< 1

$^{85}\text{Sr}$  sorption versus competing  
cation concentration



Bepaling van de capaciteit der zeebodemmonsters  
t.o.v. Sr 1 N + Sr<sup>85</sup>-tracer.

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Monster < 150 $\mu$	Capaciteit meq/g
1100	1,85
1113	5,17
1114	0,33
1131	4,90
1133	3,08
1149	4,53
1151	4,51
1153	2,38
1167	5,14
1168	1,76
1170	1,25
1172	2,00

North Sea bottom samples

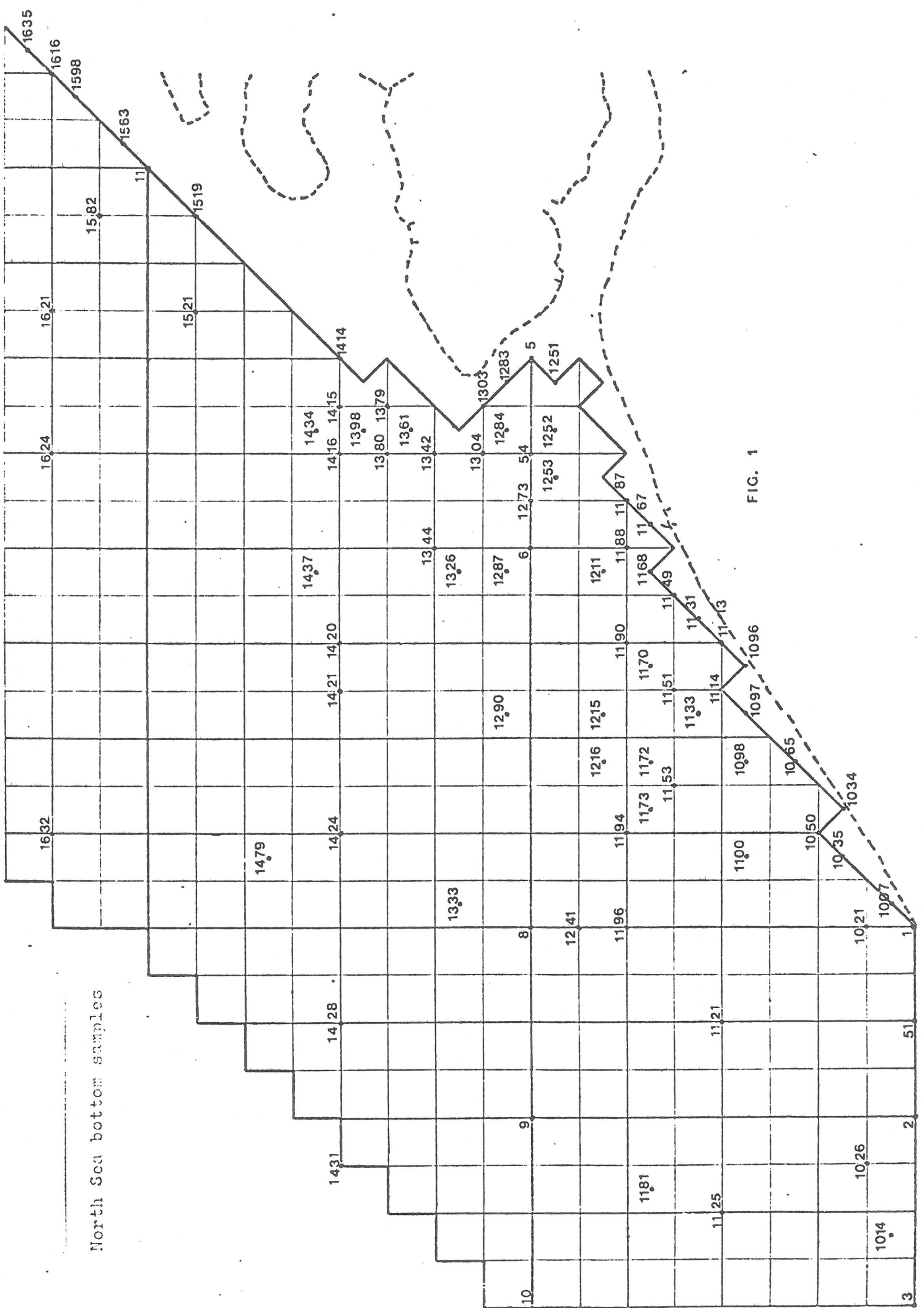


FIG. 1

North Sea bottom samples.

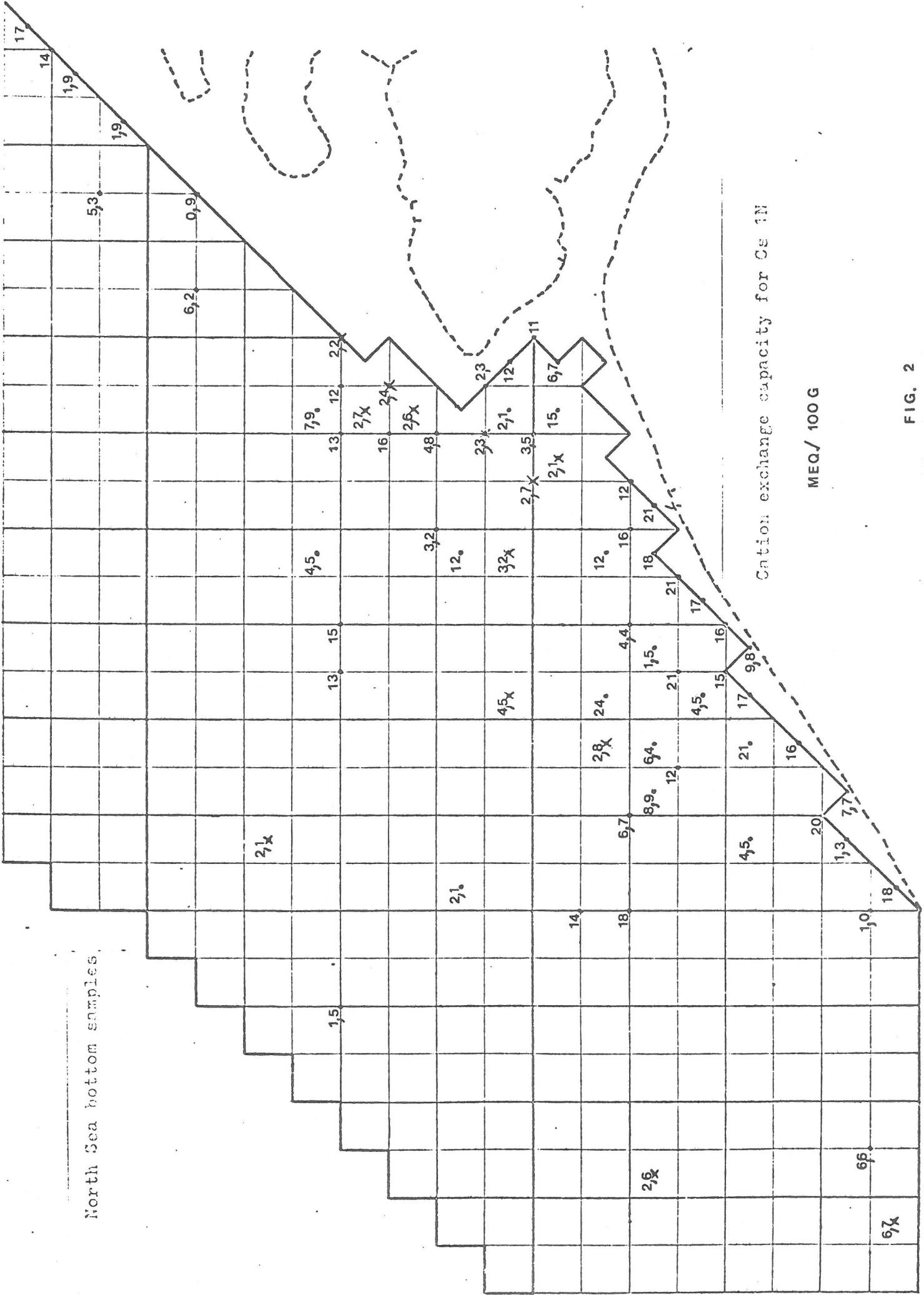


FIG. 2

North Sea bottom samples

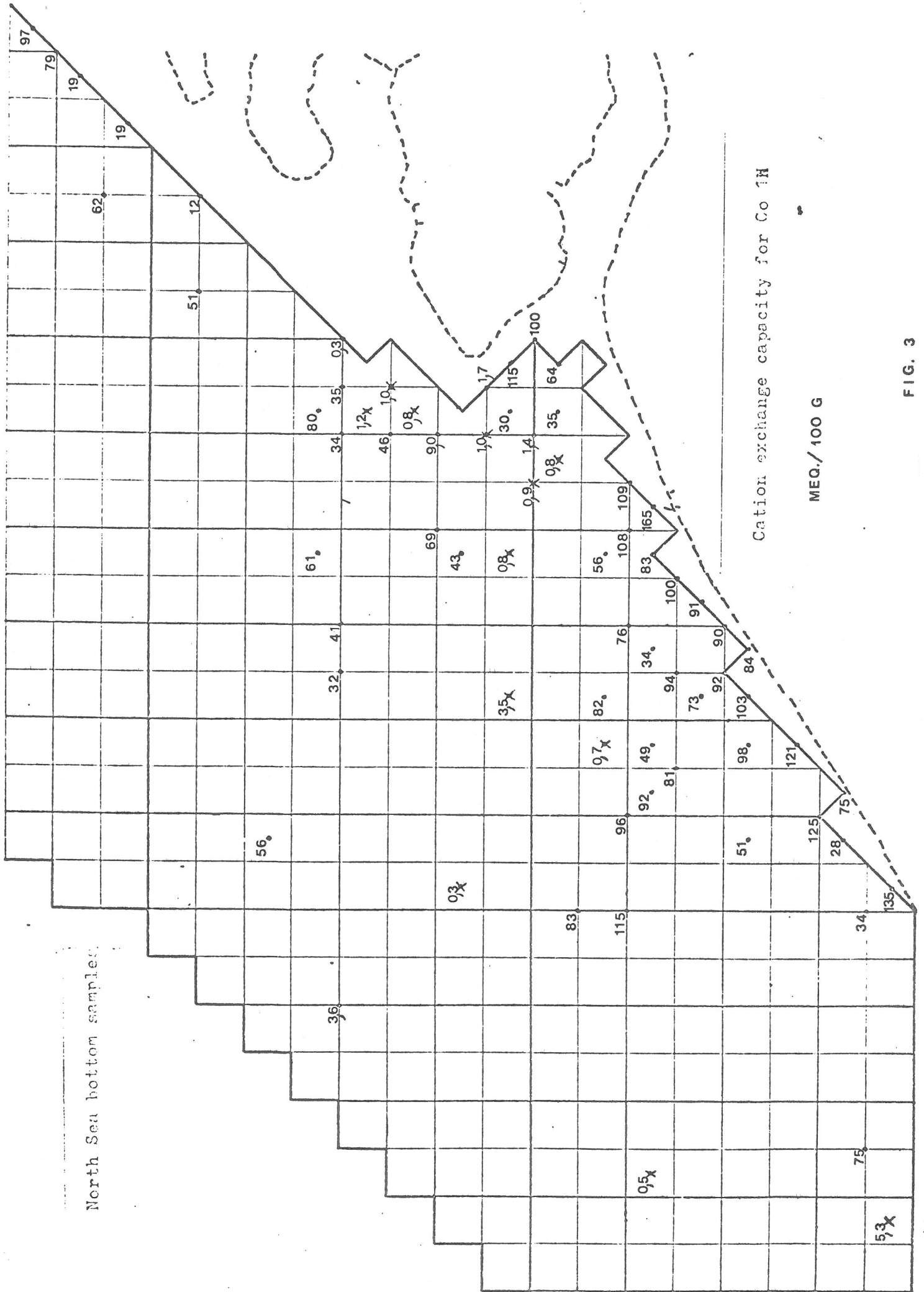


FIG. 3

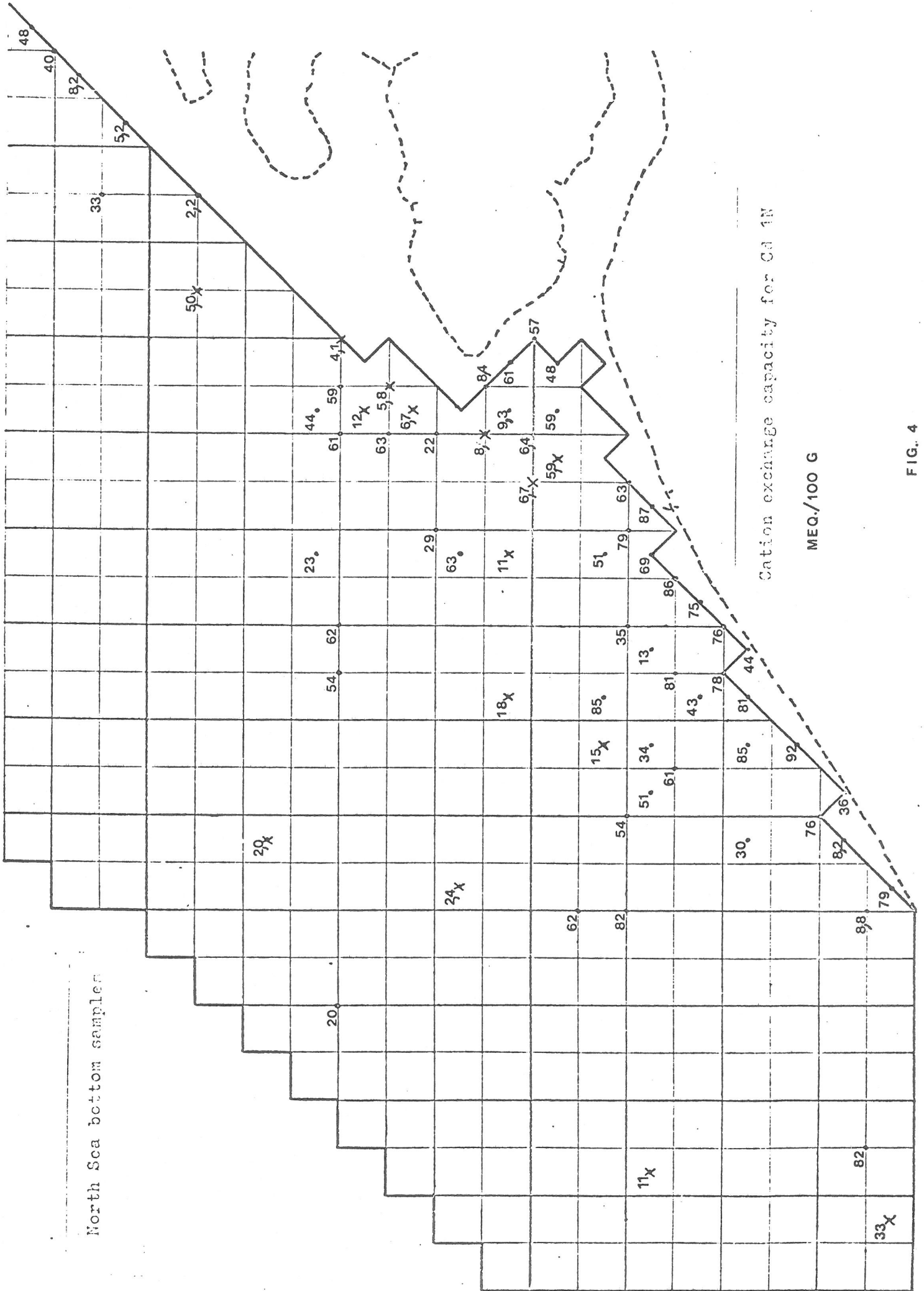
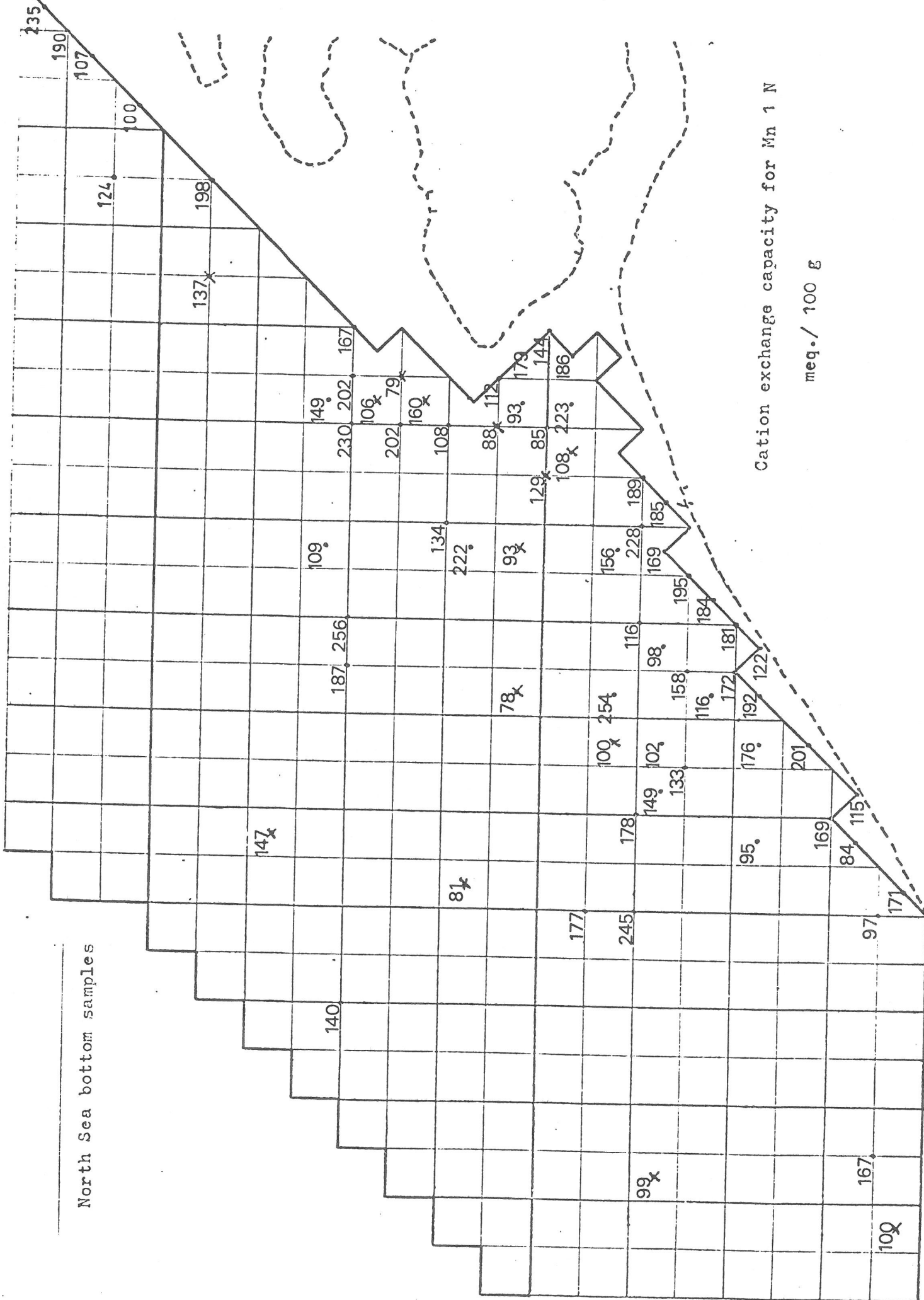


FIG. 4



North Sea bottom samples



Cation exchange capacity for Mn 1 N

meq./ 100 g