

C.I.P.S.

Modèle mathématique de la
Pollution en Mer du Nord

Technical Report

1974/03 CHIMIE 03

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Campagne Escaut
Croisière diffusion
du 21 mars 1974

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Institut de Chimie Industrielle
Service Environnement

Direction : Prof. Roland WOLLAST

point	position		heure	profond.	T°	(échant. non filt.)
	LN	LE				SiO ₂ diss ppm
1	51°22'40"	3°11'15"	9 h 20	0 m	7.2	0.47
1				8 m	7.2	0.33
2	51°23'15"	3°13'30"	9 h 40	0 m	7.5	1.02
2				8 m	7.5	0.47
3	51°23'55"	3°16'07"	9 h 55	0 m	7.5	0.60
3				8 m	7.5	0.34
4	51°24'00"	3°18'40"	10 h 05	0 m	7.5	0.33
4				10 m	7.3	0.47
5	51°24'15"	3°21'30"	10 h 20	0 m	7.5	0.46
5				10 m	7.3	0.53
6	51°24'35"	3°24'15"	10 h 35	0 m	7.5	0.92
6				12 m	7.5	0.74
7	51°24'50"	3°27'10"	10 h 45	0 m	7.7	0.97
7				18 m	7.5	0.75
8	51°25'10"	3°29'30"	11 h 00	0 m	7.3	1.33
8				21 m	7.5	0.63
9	51°25'20"	3°32'00"	11 h 05	0 m	7.5	0.74
9				23 m	7.5	0.84
10	51°25'35"	3°34'55"	11 h 20	0 m	7.9	2.01
				25 m	7.8	1.71

Zeebrugge → Breskens

point	position		heure	profond.	T°	SiO ₂ diss. (ppm)
1	51°25'30"	3°25'30"	11 h 45	23m	7.3	0.48
1				0m	7.8	0.95
2	51°25'15"	3°29'10"	12 h 05	23m	7.2	0.88
2				0m	7.8	1.15
3	51°25'10"	3°26'15"	12 h 20	20m	7.8	0.44
3				0m	7.8	0.69
4	51°24'45"	3°23'50"	13 h 00	20m	7.5	0.50
4				0m	7.5	0.47
5	51°24'40"	3°21'10"	13 h 15	15m	7.5	0.36
5				0m	7.8	0.30
6	51°24'30"	3°18'25"	13 h 30	14m	7.8	0.30
6				0m	7.8	0.30
7	51°24'20"	3°15'50"	13 h 40	12m	7.5	0.32
7				0m	7.8	0.28
8	51°13'05"	3°24'15"	14 h 00	12m	7.5	0.19
8				0m	7.5	0.15
9	51°24'00"	3°10'30"	14 h 10	12m	7.5	0.09
9				0m	7.5	0.28

Breskens → Zeebrugge

Campagne Escaut croisière diffusion du 20 mars 1974

point	LN	position LE	heure	profond.	T°	SiO ₂ diss ppm
1	51°25'40"	3°34'50"	6 h 50	0 m	7.0	1.90
1				30 m	7.0	2.09
2	51°26'30"	3°34'-	7 h 05	0 m	7.0	1.04
2				9 m	7.0	0.75
3	51°27'-	3°32'35"	7 h 20	0 m	7.3	1.45
3				12 m	7.3	1.00
4	51°27'55"	3°31'10"	7 h 30	0 m	7.0	1.37
4				12 m	7.2	0.45
5	51°28'30"	3°30'40"	7 h 50	0 m	7.8	0.96
5				12 m	7.8	0.33
6	51°29'25"	3°29'45"	8 h 10	0 m	7.5	0.47
6				12 m	7.0	0.34
7	51°29'55"	3°28'30"	8 h 20	0 m	8.2	0.29
7				15 m	8.2	0.29
8	51°30'30"	3°27'10"	8 h 35	0 m	8.2	0.57
8				25 m	7.0	0.61
9	51°31'20"	3°26'00"	8 h 50	0 m	7.5	0.15
9				20 m	7.0	0.68
10	51°32'25"	3°25'20"	9 h 05	0 m	7.0	0.16
10				18 m	7.0	0.23
11	51°33'20"	3°26'-	9 h 20	0 m	7.0	0.22
11				10 m	7.0	0.19

Breskens → Westkapelle

point	position		heure	profond.	T°	SiO ₂ diss ppm
	LN	LE				
11	51°33'20"	3°26'--	11 h 25	0 m	7.8	0.19
11				21 m	7.5	0.47
10	51°32'25"	3°25'20"	11 h 40	0 m	7.5	0.93
10				25 m	7.5	0.21
9	51°31'20"	3°26'00"	11 h 50	0 m	7.5	0.31
9				20 m	7.0	0.19
8	51°30'30"	3°27'10"	12 h 00	0 m	7.3	0.44
8				22 m	7.0	0.83
7	51°29'55"	3°28'30"	12 h 10	0 m	7.0	0.26
7				15 m	7.0	0.15
6	51°29'25"	3°29'45"	12 h 25	0 m	7.1	0.16
6				15 m	7.0	0.21
5	51°28'30"	3°30'40"	12 h 35	0 m	7.2	0.27
5				15 m	7.0	0.30
4	51°27'55"	3°31'10"	13 h 05	0 m	7.5	0.57
4				15 m	7.5	0.24
3	51°27'--	3°32'35"	13 h 20	0 m	7.5	0.33
3				15 m	7.3	0.21
2	51°26'30"	3°34'--	13 h 35	0 m	7.3	0.99
2				15 m	7.3	0.28
1	51°25'40"	3°34'50"	13 h 45	0 m	7.3	0.52
1				17 m	7.3	1.39

Westkapelle → Breskens

Campagne Escaut croisière diffusion du 19 mars 1974

point	position		heure	profond.	T°	SiO ₂ diss ppm
	LN	LE				
1	51°28'27"	3°09'10"	08 h 15	0 m	5.8	0.15
1				15 m	-	0.14
2	51°28'03"	3°11'30"	08 h 35	0 m	5.6	0.30
2				8 m	-	0.21
3	51°27'43"	3°13'50"	08 h 50	0 m	5.7	0.36
3				8 m	-	0.21
4	51°27'22"	3°16'14"	09 h 05	0 m	5.8	0.24
4				7 m	-	0.42
5	51°27'03"	3°18'30"	09 h 20	0 m	5.85	0.24
5				6.5 m	-	0.48
6	51°26'42"	3°20'55"	09 h 40	0 m	5.8	0.30
6				5.5 m	-	0.53
7	51°26'15"	3°24'10"	09 h 55	0 m	5.75	0.65
7				11 m	-	0.24
8	51°25'49"	3°27'20"	10 h 15	0 m	5.95	0.55
8				14 m	-	0.29
9	51°25'22"	3°30'26"	10 h 35	0 m	5.9	1.06
9				25 m	-	0.78
10	51°24'55"	3°33'35"	11 h 00	0 m	5.95	0.42
10				36 m	-	0.39

M O 6 → Breskens

point	position		heure	profond.	T°	SiO ₂ diss ppm
	LN	LE				
1	51°28'27"	3°09'10"	16 h 25	0 m	6.15	0.37
1				12.5 m	-	0.33
2	51°28'03"	3°11'30"	16 h 10	0 m	6.25	0.29
2				5 m	-	0.21
3	51°27'43"	3°13'50"	15 h 55	0 m	6.3	0.22
3				5 m	-	0.36
4	51°27'22"	3°16'14"	15 h 45	0 m	6.3	0.24
4				5 m	-	0.27
5	51°27'03"	3°18'30"	15 h 25	0 m	6.3	0.33
5				6 m	-	0.33
6	51°26'	3°21'	15 h 15	0 m	6.1	0.91
6				10 m	-	1.16
7	51°26'15"	3°24'10"	15 h 00	0 m	6.3	0.83
7				9 m	-	0.50
8	51°25'29"	3°27'20"	14 h 25	0 m	6.55	0.97
8				12 m	-	0.49
9	51°25'22"	3°30'26"	14 h 10	0 m	6.65	0.40
9				25 m	-	0.82
10	51°24'55"	3°33'35"	13 h 50	0 m	6.10	0.57
10				35 m	-	0.46

Breskens → M O 6

Croisière diffusion (Mechelen)

prise d'échantillon à 0 m
point fixe

19/3/74 (position M 1229)

heure	SiO ₂ dissoute ppm
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17 h 45	1.38
18 h 45	1.15
19 h 30	0.88
20 h 45	0.53
21 h 45	0.53
22 h 45	0.45

20/3/74 (position M 1229)

08 h 10	1.19
09 h 15	1.44
10 h 30	0.66
11 h 20	0.84
12 h 25	1.47
13 h 20	0.49
14 h 20	0.25
15 h 30	1.37
16 h 15	1.01
17 h 15	0.70
18 h 30	0.32
19 h 30	2.11
20 h 30	2.26
21 h 30	1.21

21/3/74

08 h 15	1.44
09 h 15	1.87
10 h 00	1.03
11 h 15	1.60
12 h 10	0.70
13 h 20	0.67
14 h 00	0.47
15 h 20	0.65
16 h 10	0.79
17 h 15	0.62
18 h 15	0.88
19 h 10	1.63
20 h 10	1.89

Croisière diffusion (MSI)

Prise d'échantillon à 0 m
point fixe

20/3/74 (O.G.D.L.)
heure SiO₂ dissoute
ppm

12 h 45	0.43
13 h 45	0.52
14 h 45	0.27
15 h 40	0.50
17 h 00	0.40

21/3/74

10 h 20	1.57
11 h 15	0.77
11 h 25	0.57
13 h 25	0.30
14 h 15	0.48
15 h 15	0.76
16 h 15	0.62
17 h 20	0.56
18 h 15	1.49
19 h 15	0.99
20 h 15	1.05
21 h 10	1.39
22 h 45	0.67
02 h 10	0.65

22/3/74

04 h 40	0.64
05 h 30	1.41
06 h 30	1.29
07 h 30	0.63
08 h 30	1.49
09 h 30	0.46
10 h 35	1.05
11 h 30	1.25
12 h 15	0.68
13 h 30	1.10
14 h 40	0.43
15 h 40	0.22
16 h 30	1.33
17 h 30	0.72
21 h 15	0.63