

C.I.P.S.

MODELE MATHEMATIQUE DE LA
POLLUTION EN MER DU NORD

Technical Report

1972/04 BIOL.04

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ETUDE DU ZOOPLANCTON

CROISIERE SEPTEMBRE 1972 (DU 6 AU 28 SEPTEMBRE)

CROISIERE OCTOBRE 1972 (DU 9 AU 19 OCTOBRE)

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Croisière de septembre - octobre 1972

On distingue dans cette croisière une forte concentration de Copépodes dans une zone s'étendant en face de l'estuaire, tandis qu'un patch d'Oikopleura et de Chaetognathes est situé dans la zone ① Nord.

Nous avons déjà émis l'hypothèse (rapport de synthèse zooplancton, 1973) que la zone située en face de l'estuaire pourrait être une zone de reproduction des Copépodes.

Nous avons examiné ceci plus en détail, en dénombrant les différentes espèces et les nauplii en chaque point.

Dans la zone située en face de l'estuaire 3 espèces principales s'observent en 3 patch imbriqués : un patch d'Euterpina acutifrons (220 à 500 adultes / m³) englobant les points 1344, 1486, 2552 et 59; un patch de Paracalanus parvus (600 à 1.600 adultes / m³) englobant les points 1344, 1348, 1486 et 59; un patch plus diffus d'Acartia clausi (320 à 520 adultes / m³) aux points 9, 1486 et 14.

A l'intérieur de ces 3 grands patch nous distinguons un patch plus petit de Centropages hamatus (480 adultes / m³) au point 1486 et un patch de Temora longicornis (740 adultes / m³) au point 14.

A titre de comparaison, ces organismes à tous les autres points sont présents en nombres variant de 0 à 180 adultes / m³, sauf au point 24 où nous avons 480 Temora et au point 25 où il y a 300 Calanus / m³.

Nous observons d'autre part un patch de nauplii de Copépodes (2.960 à 15.780 nauplii / m³) englobant presque tous les points précédents, c.à.d. : 1344, 1348, 1352, 1486, 59, 14, 15 et 65. En plus de ceux-là, les points 5, 6, 7, 8, 9, 3 et 1.

A titre de comparaison les nombres de nauplii aux autres points varient entre 320 et 1.860 nauplii / m³, on trouve cependant 2.560 nauplii / m³ au point 72.

Les adultes n'ont pas été déterminés à tous les points sud du réseau; on y trouve cependant de fortes concentrations de nauplii 15.780 / m³ au point 5 par exemple; et le nombre total d'adultes peut y être élevé (2.960 ad. / m³ au point 2); il est vraisemblable que les patch se prolongent jusque là.

Dans la zone située en face de l'estuaire en tout cas nous pourrions estimer que les nauplii appartiennent principalement aux espèces *Paracalanus parvus* et *Acartia clausi*, un peu moins à *Centropages hamatus* et *Temora longicornis* dont les patch sont petits et à *Euterpina acutifrons* dont les nombres sont peu abondants.

EUTERPINA

PARACALANUS

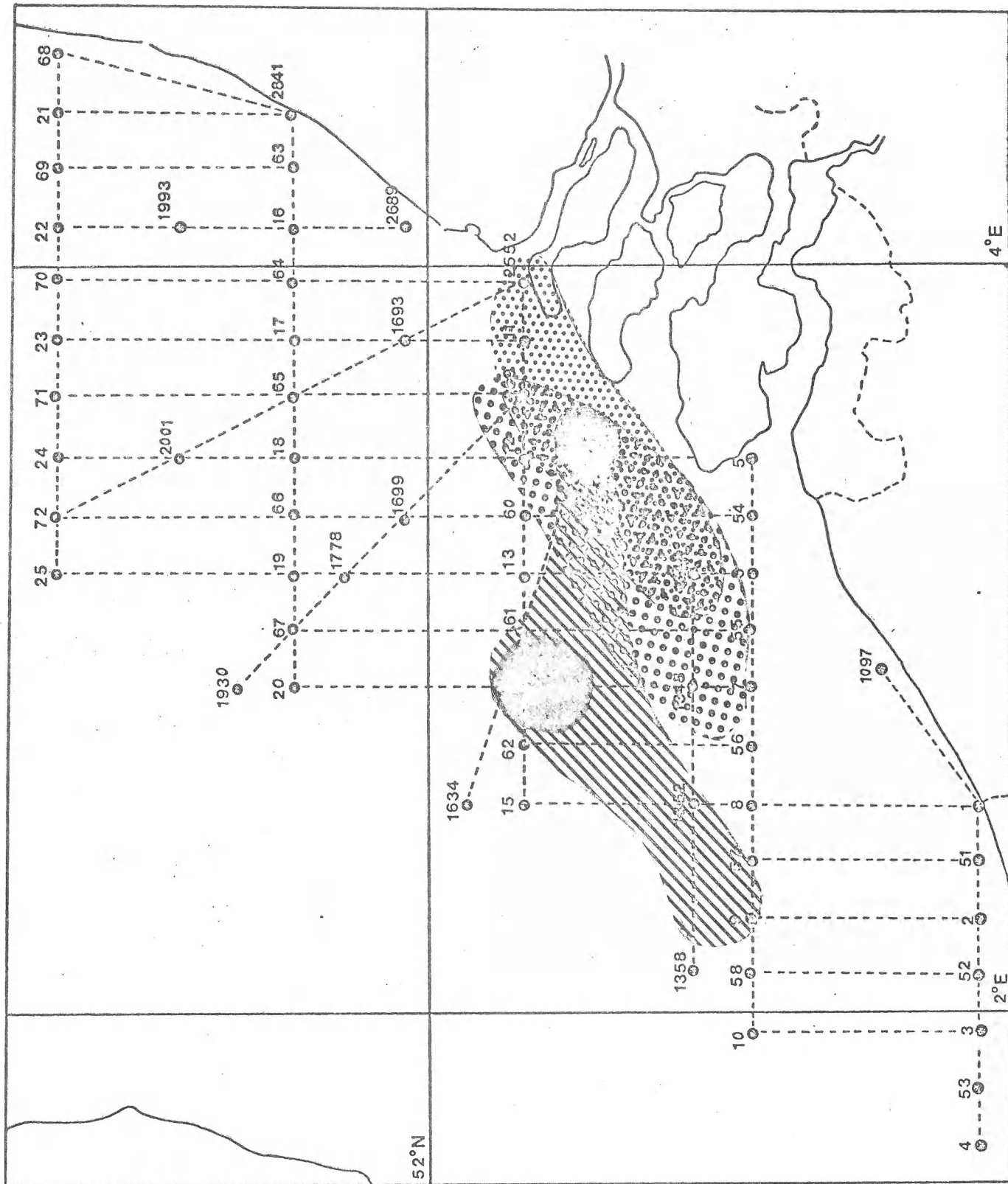
ACARTIA

CENTROPAGES

TEMORA

PATCH COPÉPODES

SEPTEMBRE - OCTOBRE 1972.



LABORATOIRE DE BIOLOGIE MARINE U.L.G.

ZOOPLANKTON EKOLOGIE EN SYSTEMATIEK V.U.B.

CRUISE 04-1972 6-28/9/1972

STATION MoI 06091972 I210 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 5680

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.95

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.01

DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .56

DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .87

DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1.1

ASHES IDEM 0.802

ORG. MAT. IDEM 0.298

DIAGRAM CONSTRUCTION DRY MAT. :D= 2.2

DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.596

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	1	15
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	300	19	225
ANNELIDA (L)	920	58	
CRUSTACEA	3580		
NAU.COP.	720	45	
COPEPODS	2800	177	
N+C CIRR.	40	2	30
OTHERS	20	1	15
BRYOZOA (L)	40	2	30
CHAETOGNATHA	60	3	45
ECHINOD. (L)	0	0	0
TUNICATA	760	48	
PISCES (OVA)	0	0	0

STATION M 2001 I209I972 I330 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 6680
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.12
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.26
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .36
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .56
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,495
 ASHES IDEM 0,189
 ORG. MAT. IDEM 0,186
 DIAGRAM CONSTRUCTION DRY MAT.:D= 0,950
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,372

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	40		
OTHERS	0		
CNIDARIA	40	2	72
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	80	4	144
CRUSTACEA	6500		
NAU.COP.	1380	74	
COPEPODS	5100	274	
N+C CIRR.	0	0	0
OTHERS	20	1	36
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	1	36
ECHINOD. (L)	0	0	0
TUNICATA	40	2	72
PISCES (OVA)	0	0	0

STATION M 1699 0809I972 II50 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 10520
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.66
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.1
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .46
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .71
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 5,004
 ASHES IDEM 4,259
 ORG. MAT. IDEM 0,745
 DIAGRAM CONSTRUCTION DRY MAT.:D= 10,008
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 1,49

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	0	22
ACNIDARIA	0	0	0
NEMATHELMINT.	2260	77	
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	0	22
CRUSTACEA	6100		
NAU.COP.	1860	63	
COPEPODS	4240	145	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	280	9	315
ECHINOD. (L)	0	0	0
TUNICATA	1840	62	
PISCES (OVA)	0	0	0

STATION H 1348 25091972 I300 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 9000
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.46
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.79
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.53
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS
 ASHES IDEM
 ORG. MAT. IDEM
 DIAGRAM CONSTRUCTION DRY MAT.:D=
 DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	200	8	48
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	320	12	77
CRUSTACEA	6560		
NAU.COP.	3260	130	
COPEPODS	3300	132	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	360	14	87
ECHINOD. (L)	600	24	145
TUNICATA	960	38	
PISCES (OVA)	0	0	0

STATION M1930 07091972 II05 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 7360
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.23
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.43
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .53
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .81
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.654
 ASHES IDEM 0.344
 ORG. MAT. IDEM 0.307
 DIAGRAM CONSTRUCTION DRY MAT.:D= 1.302
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.614

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	7540		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	1860	90	
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	5160		
NAU.COP.	1040	50	
COPEPODS	4040	197	
N+C CIRR.	0	0	0
OTHERS	80	3	68
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	340	16	291
PISCES (OVA)	0	0	0

STATION MI097 06091972 1625 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 14820
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.16
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.86
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.52
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 2.34
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.292
 ASHES IDEM 0.348
 ORG. MAT. IDEM 0.048
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0.792
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.096

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	60	1	6
ACNIDARIA	0	0	0
NEMATHELMINT.	20	0	2
MOLLUSCA (L)	4180	101	
ANNELIDA (L)	1220	29	127
CRUSTACEA	8820		
NAU.COP.	1380	33	144
COPEPODS	7200	174	
N+C CIRR.	180	4	18
OTHERS	60	1	6
BRYOZOA (L)	20	0	2
CHAETOGNATHA	20	0	2
ECHINOD. (L)	0	0	0
TUNICATA	480	11	50
PISCES (OVA)	0	0	0

STATION H 65 I3091972 1045 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 14980
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.18
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.89
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .34
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .53
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.648
 ASHES IDEM 0.468
 ORG. MAT. IDEM 0.180
 DIAGRAM CONSTRUCTION DRY MAT. :D= 1.296
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.36

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	100	2	200
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	14820		
NAU.COP.	3980	95	
COPEPODS	10820	260	
N+C CIRR.	0	0	0
OTHERS	20	0	40
BRYOZOA (L)	0	0	0
CHAETOGNATHA	40	0	80
ECHINOD. (L)	20	0	40
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION MI778 08091972 0800 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 13080
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.97
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.57
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .72
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.11
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2,853
 ASHES IDEM 3,469
 ORG. MAT. IDEM 0,384
 DIAGRAM CONSTRUCTION DRY MAT. :D= 7,706
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,768

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	40	1	18
ACNIDARIA	0	0	0
NEMATHELMINT.	100	2	46
MOLLUSCA (L)	60	1	27
ANNELIDA (L)	20	0	9
CRUSTACEA	12820		
NAU.COP.	520	14	240
COPEPODS	12300	338	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	0	9
ECHINOD. (L)	0	0	0
TUNICATA	20	0	9
PISCES (OVA)	0	0	0

STATION M 1344 25091972 1800 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 11300
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.76
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.25
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .97
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.49
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,337
 ASHES IDEM 0,122
 ORG. MAT. IDEM 0,227
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0,798
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,554

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	60		
OTHERS	0		
CNIDARIA	240	7	61
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	800	25	205
CRUSTACEA	9940		
NAU.COP.	3720	118	
COPEPODS	6180	196	
N+C CIRR.	0	0	0
OTHERS	40	1	10
BRYOZOA (L)	0	0	0
CHAETOGNATHA	180	5	46
ECHINOD. (L)	0	0	0
TUNICATA	140	4	36
PISCES (OVA)	0	0	0

STATION M68 26091972 1630 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 13660
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.03
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.67
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.14
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.76
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2,115
 ASHES IDEM 1,948
 ORG. MAT. IDEM 0,167
 DIAGRAM CONSTRUCTION DRY MAT. :D= 4,23
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,334

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	140	3	25
ANNELIDA (L)	2000	52	
CRUSTACEA	3120		
NAU.COP.	1200	31	222
COPEPODS	1880	49	
N+C CIRR.	20	0	3
OTHERS	20	0	3
BRYOZOA (L)	0	0	0
CHAETOGNATHA	560	14	103
ECHINOD. (L)	0	0	0
TUNICATA	7840	206	
PISCES (OVA)	0	0	0

STATION M 59 28091972 1000 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 10100
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.61
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.01
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .89
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.37
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1,842
 ASHES IDEM 1,520
 ORG. MAT. IDEM 0,322
 DIAGRAM CONSTRUCTION DRY MAT. :D= 3,684
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,644

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	140		
OTHERS	0		
CNIDARIA	280	9	85
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	180	6	54
ANNELIDA (L)	20	0	6
CRUSTACEA	8920		
NAU.COP.	2960	105	
COPEPODS	5960	212	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	6
CHAETOGNATHA	220	7	67
ECHINOD. (L)	20	0	6
TUNICATA	440	15	134
PISCES (OVA)	0	0	0

STATION M 16 27091972 0930 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 10160
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.62
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.03
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .76
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.17
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1.071
 ASHES IDEM 0.691
 ORG. MAT. IDEM 0.38
 DIAGRAM CONSTRUCTION DRY MAT.:D= 2.142
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.76

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	160	5	66
ACNIDARIA	0	0	0
NEMATHELMINT.	140	4	58
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	260	9	108
CRUSTACEA	2820		
NAU.COP.	1080	38	
COPEPODS	1740	61	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	300	10	125
ECHINOD. (L)	0	0	0
TUNICATA	6480	229	
PISCES (OVA)	0	0	0

STATION 1993

TOT.NUMB.INDIV./M3(Prot.Excl.) 7980
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.32
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.57
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.26
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.94
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS
 ASHES IDEM
 ORG. MAT. IDEM
 DIAGRAM CONSTRUCTION DRY MAT.:D=
 DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	8460		
OTHERS	0		
CNIDARIA	100	4	15
ACNIDARIA	0	0	0
NEMATHELMINT.	400	18	61
MOLLUSCA (L)	220	9	33
ANNELIDA (L)	40	1	6
CRUSTACEA	1240		
NAU.COP.	320	14	48
COPEPODS	920	41	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	3
CHAETOGNATHA	600	27	91
ECHINOD. (L)	640	28	97
TUNICATA	4700	212	
PISCES (OVA)	20	0	3

STATION M I486 2809I972 I400 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 23680
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 4
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 6.15
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.08
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.66
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,832
 ASHES IDEM 0,626
 ORG. MAT. IDEM 0,202
 DIAGRAM CONSTRUCTION DRY MAT. :D= 1,666
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,414

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	400	6	82
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	20	0	4
ANNELIDA (L)	180	2	37
CRUSTACEA	21940		
NAU.COP.	6240	94	
COPEPODS	15700	238	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	4
CHAETOGNATHA	320	4	66
ECHINOD. (L)	0	0	0
TUNICATA	800	12	165
PISCES (OVA)	0	0	0

STATION M I352 1109I972 I300 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 12720
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.93
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.51
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.03
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.59
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,274
 ASHES IDEM 0,198
 ORG. MAT. IDEM 0,076
 DIAGRAM CONSTRUCTION DRY MAT. :D= 548
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,152

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1160		
OTHERS	0		
CNIDARIA	60	1	13
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	100	2	22
ANNELIDA (L)	60	1	13
CRUSTACEA	10180		
NAU.COP.	9460	267	
COPEPODS	720	20	162
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	240	6	54
ECHINOD. (L)	1660	46	
TUNICATA	420	11	94
PISCES (OVA)	0	0	0

STATION MCI I409I972 I400 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 3660
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.57
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.41
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .86
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.33
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.367
 ASHES IDEM 0.254
 ORG. MAT. IDEM 0.133
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0.734
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.266

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	1	6
ACNIDARIA	0	0	0
NEMATHELMINT.	360	35	115
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	260	25	83
CRUSTACEA	2560		
NAU.COP.	1520	149	
COPEPODS	1020	100	
N+C CIRR.	0	0	0
OTHERS	20	1	6
BRYOZOA (L)	60	5	19
CHAETOGNATHA	340	33	109
ECHINOD. (L)	0	0	0
TUNICATA	60	5	19
PISCES (OVA)	0	0	0

STATION M 2689 2709I972 I500 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 3260
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.48
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.28
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .54
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .83
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1.18
 ASHES IDEM 1.154
 ORG. MAT. IDEM 0.026
 DIAGRAM CONSTRUCTION DRY MAT. :D= 5.36
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.052

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	2	16
ACNIDARIA	0	0	0
NEMATHELMINT.	40	4	32
MOLLUSCA (L)	40	4	32
ANNELIDA (L)	100	11	81
CRUSTACEA	2100		
NAU.COP.	1060	117	
COPEPODS	1040	114	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	200	22	163
ECHINOD. (L)	40	4	32
TUNICATA	720	79	
PISCES (OVA)	0	0	0

STATION M2552 28091972 1100 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 2460
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.28
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.98
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .4
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .61
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 3,159
 ASHES IDEM 2,542
 ORG. MAT. IDEM 6,617
 DIAGRAM CONSTRUCTION DRY MAT. :D= 6,3180
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 1,234

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	40	5	60
ACNIDARIA	0	0	0
NEMATHELMINT.	280	40	
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	60	8	90
CRUSTACEA	1640		
NAU.COP.	140	20	210
COPEPODS	1500	219	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	440	64	
PISCES (OVA)	0	0	0

STATION M 72 12091972 1030 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 9260
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.5
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.84
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .28
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .43
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,431
 ASHES IDEM 0,121
 ORG. MAT. IDEM 0,260
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0,282
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,54

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1620		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	40	1	120
ANNELIDA (L)	0	0	0
CRUSTACEA	9180		
NAU.COP.	2560	99	
COPEPODS	6580	255	
N+C CIRR.	0	0	0
OTHERS	40	1	120
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	40	1	120
PISCES (OVA)	0	0	0

STATION M1693 I309I972 I330 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 4860
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.81
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.78
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .71
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.1
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,539
 ASHES IDEM 0,265
 ORG. MAT. IDEM 0,274
 DIAGRAM CONSTRUCTION DRY MAT.:D= 1,078
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,548

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	10580		
OTHERS	0		
CNIDARIA	40	2	18
ACNIDARIA	0	0	0
NEMATHELMINT.	220	16	104
MOLLUSCA (L)	580	42	
ANNELIDA (L)	340	25	161
CRUSTACEA	2980		
NAU.COP.	1140	84	
COPEPODS	1820	134	
N+C CIRR.	20	1	9
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	560	41	
ECHINOD. (L)	0	0	0
TUNICATA	140	10	66
PISCES (OVA)	0	0	0

STATION M1634 I409I972 I030 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 4100
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.66
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.56
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .64
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .99
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,405
 ASHES IDEM 0,359
 ORG. MAT. IDEM 0,046
 DIAGRAM CONSTRUCTION DRY MAT.:D= 0,810
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,092

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	60	5	34
ACNIDARIA	0	0	0
NEMATHELMINT.	20	1	11
MOLLUSCA (L)	280	24	162
ANNELIDA (L)	0	0	0
CRUSTACEA	3480		
NAU.COP.	540	47	
COPEPODS	2940	258	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	1	11
CHAETOGNATHA	0	0	0
ECHINOD. (L)	240	21	139
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M284I 27091972 1200 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 3480
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.53
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.35
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .41
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .64
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2,067
 ASHES IDEM 1,645
 ORG. MAT. IDEM 0,422
 DIAGRAM CONSTRUCTION DRY MAT. :D= 4,134
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,844

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	60	6	83
ANNELIDA (L)	1300	134	
CRUSTACEA	1960		
NAU.COP.	700	72	
COPEPODS	1220	126	
N+C CIRR.	0	0	0
OTHERS	40	4	55
BRYOZOA (L)	0	0	0
CHAETOGNATHA	60	6	83
ECHINOD. (L)	0	0	0
TUNICATA	100	10	138
PISCES (OVA)	0	0	0

STATION 22

TOT.NUMB.INDIV./M3(Prot.Excl.) 5560
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.93
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.98
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .8
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.23
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1088
 ASHES IDEM 0,979
 ORG. MAT. IDEM 0,109
 DIAGRAM CONSTRUCTION DRY MAT. :D= 2,176
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,218

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	280		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	20	1	7
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	40	2	15
CRUSTACEA	4660		
NAU.COP.	1560	101	
COPEPODS	3040	196	
N+C CIRR.	0	0	0
OTHERS	60	3	22
BRYOZOA (L)	0	0	0
CHAETOGNATHA	540	34	202
ECHINOD. (L)	0	0	0
TUNICATA	300	19	112
PISCES (OVA)	0	0	0

STATION 05

TOT.NUMB.INDIV./M3(Prot.EXCL.) 19320

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.61

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.55

DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.05

DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.61

DRY MAT.(G/M3) PARTICLES > 40 MICRONS

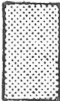
ASHES IDEM

ORG. MAT. IDEM

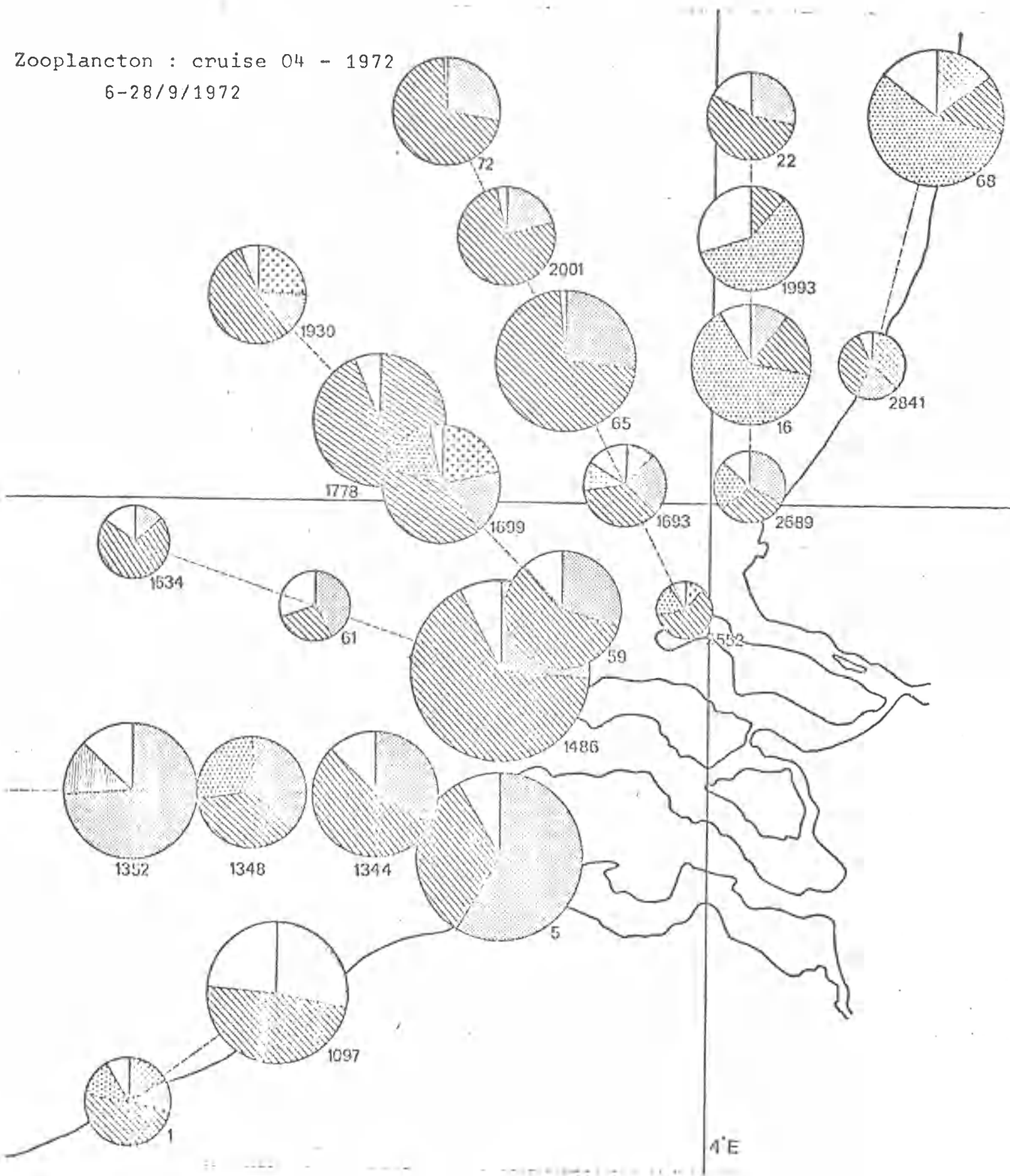
DIAGRAM CONSTRUCTION DRY MAT.:D=

DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	380	7	83
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	0	4
CRUSTACEA	17680		
NAU.COP.	11280	210	
COPEPODS	6400	119	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	60	1	13
ECHINOD. (L)	0	0	0
TUNICATA	1180	21	259
PISCES (OVA)	0	0	0

				
Cnidaria	Acnidaria	Nemathelm.	Mollusca (1)	Annelida (1)
				
Nauplii Cop.	Copepoda	N+C Cirr.	Crustacea spec.	Bryozoa (1)
				
Chaetogn.	Echinod. (1)	Tunicata	Pisces (0+1)	Spec. div.

Zooplankton : cruise 04 - 1972
6-28/9/1972



LABORATOIRE DE BIOLOGIE MARINE U.L.G.

ZOOPLANKTON ÉKOLOGIE EN SYSTEMATIK V.U.B.

CRUISE 05-1972 9→19/10/1972

STATION N 01 III01972 I445 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 11160
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.88
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.22
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .82
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.21
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,715
 ASHES IDEM 0,353
 ORG. MAT. IDEM 0,362
 DIAGRAM CONSTRUCTION DRY MAT.:D= 1,430
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,724

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	40	1	15
ANNELIDA (L)	440	14	172
CRUSTACEA	10240		
NAU.COP.	3100	100	
COPEPODS	7140	230	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	440	14	172
PISCES (OVA)	0	0	0

STATION M 02 12101972 1030 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 18540

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.71

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.44

DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.26

DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.85

DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.315

ASHES 0 IDEM 0.127

ORG. MAT. IDEM 0.188

DIAGRAM CONSTRUCTION DRY MAT.:D= 0.63

DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.376

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	40	0	6
ACNIDARIA	0	0	0
NEMATHELMINT.	20	0	3
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	120	2	20
CRUSTACEA	17920		
NAU.COP.	1340	26	225
COPEPODS	16400	318	
N+C CIRR.	180	3	30
OTHERS	0	0	0
BRYOZOA (L)	20	0	3
CHAETOGNATHA	80	1	13
ECHINOD. (L)	0	0	0
TUNICATA	340	6	57
PISCES (OVA)	0	0	0

STATION M 03 12101972 1200 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 7160

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.31

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.38

DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .83

DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.22

DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.398

ASHES IDEM 0.325

ORG. MAT. IDEM 0.073

DIAGRAM CONSTRUCTION DRY MAT.:D= 0.796

DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.146

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	280	14	107
MOLLUSCA (L)	120	6	45
ANNELIDA (L)	100	5	38
CRUSTACEA	6320		
NAU.COP.	2060	103	
COPEPODS	4160	209	
N+C CIRR.	100	5	38
OTHERS	0	0	0
BRYOZOA (L)	40	2	15
CHAETOGNATHA	20	1	7
ECHINOD. (L)	0	0	0
TUNICATA	280	14	107
PISCES (OVA)	0	0	0

STATION M 04 I2I0I972 I550 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3320
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.57
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.3
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .57
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .83
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.223
 ASHES IDEM 0.214
 ORG. MAT. IDEM 0.003
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0.446
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.018

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	80	8	65
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	80	8	65
CRUSTACEA	3140		
NAU.COP.	200	21	163
COPEPODS	2820	312	
N+C CIRR.	40	4	32
OTHERS	20	2	16
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	2	16
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M 05 I0I0I972 I230 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 19320
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.79
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.55
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.1
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.61
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS
 ASHES IDEM
 ORG. MAT. IDEM
 DIAGRAM CONSTRUCTION DRY MAT. :D=
 DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	380	7	83
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	0	4
CRUSTACEA	17680		
NAU.COP.	11280	210	
COPEPODS	6400	119	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	60	1	13
ECHINOD. (L)	0	0	0
TUNICATA	1180	21	259
PISCES (OVA)	0	0	0

STATION M 06 10101972 1000 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 9480
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.65
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.89
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .93
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.37
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.718
 ASHES IDEM 0.366
 ORG. MAT. IDEM 0.352
 DIAGRAM CONSTRUCTION DRY MAT. :D= 1.436
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.704

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	100	3	30
ACNIDARIA	0	0	0
NEMATHELMINT.	20	0	6
MOLLUSCA (L)	80	3	24
ANNELIDA (L)	660	25	201
CRUSTACEA	8420		
NAU.COP.	3640	138	
COPEPODS	4660	176	
N+C CIRR.	120	4	36
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	200	7	61
PISCES (OVA)	0	0	0

STATION M 07 09101972 1500 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 21460
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 4
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.85
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .59
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .87
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.226
 ASHES IDEM 0.073
 ORG. MAT. IDEM 0.155
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0.462
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.306

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	80	1	60
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	120	2	90
CRUSTACEA	20980		
NAU.COP.	15780	264	
COPEPODS	5200	87	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	40	0	30
TUNICATA	240	4	180
PISCES (OVA)	0	0	0

STATION M 08 19101972 1030 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 11400
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.91
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.27
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .97
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.43
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,214
 ASHES IDEM 0,083
 ORG. MAT. IDEM 0,131
 DIAGRAM CONSTRUCTION DRY MAT.:D= 0,428
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,262

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	2200		
OTHERS	0		
CNIDARIA	120	3	33
ACNIDARIA	0	0	0
NEMATHELMINT.	100	3	28
MOLLUSCA (L)	180	5	50
ANNELIDA (L)	40	1	11
CRUSTACEA	10120		
NAU.COP.	6100	192	
COPEPODS	4020	126	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	100	3	28
ECHINOD. (L)	600	18	168
TUNICATA	140	4	39
PISCES (OVA)	0	0	0

STATION M 09 16101972 1330 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 12200
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.01
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.41
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .24
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .35
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,247
 ASHES IDEM 0,071
 ORG. MAT. IDEM 0,176
 DIAGRAM CONSTRUCTION DRY MAT.:D= 0,494
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,352

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1580		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	60	1	270
ANNELIDA (L)	0	0	0
CRUSTACEA	12120		
NAU.COP.	6980	205	
COPEPODS	5140	151	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	20	0	90
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M 10 I3101972 IO15 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 4500

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.83

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.68

DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .42

DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .61

DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.335

ASHES IDEM 0.245

ORG. MAT. IDEM 0.15

DIAGRAM CONSTRUCTION DRY MAT.:D= 0.79

DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.3

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	40		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	60	4	90
MOLLUSCA (L)	60	4	90
ANNELIDA (L)	0	0	0
CRUSTACEA	4280		
NAU.COP.	860	68	
COPEPODS	3400	272	
N+C CIRR.	0	0	0
OTHERS	20	1	30
BRYOZOA (L)	20	1	30
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	80	6	120
PISCES (OVA)	0	0	0

STATION 14

TOT.NUMB.INDIV./M3(Prot.EXCL.) 14180

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.25

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.76

DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .92

DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.36

DRY MAT.(G/M3) PARTICLES > 40 MICRONS

ASHES IDEM

ORG. MAT. IDEM

DIAGRAM CONSTRUCTION DRY MAT.:D=

DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	100		
OTHERS	0		
CNIDARIA	320	8	99
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	680	17	211
ANNELIDA (L)	20	0	6
CRUSTACEA	13140		
NAU.COP.	2200	55	
COPEPODS	10820	274	
N+C CIRR.	0	0	0
OTHERS	120	3	37
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	0	6
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M 15 19101972 1445 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 7320
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.41
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.53
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .77
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.13
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2.21
 ASHES IDEM 0.122
 ORG. MAT. IDEM 0.099
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0.442
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.198

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	280	12	126
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	360	16	162
ANNELIDA (L)	0	0	0
CRUSTACEA	7020		
NAU.COP.	2400	110	
COPEPODS	4620	212	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	9
CHAETOGNATHA	0	0	0
ECHINOD. (L)	80	3	36
TUNICATA	60	2	27
PISCES (OVA)	0	0	0

STATION M 23 18101972 1000 00

TOT.NUMB.INDIV./M3(Prot.Excl.) 3820
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.68
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.47
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .48
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .71
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0.282
 ASHES IDEM 0.201
 ORG. MAT. IDEM 0.081
 DIAGRAM CONSTRUCTION DRY MAT. :D= 0.564
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0.162

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	1	22
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	40	3	45
CRUSTACEA	3060		
NAU.COP.	500	47	
COPEPODS	2560	241	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	440	41	
ECHINOD. (L)	0	0	0
TUNICATA	260	24	292
PISCES (OVA)	0	0	0

STATION M 24 17101972 1400 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 8040
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.44
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.58
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .79
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.15
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS
 ASHES IDEM
 ORG. MAT. IDEM
 DIAGRAM CONSTRUCTION DRY MAT.:D=
 DIAGRAM CONSTRUCTION ORG.MAT.:D=

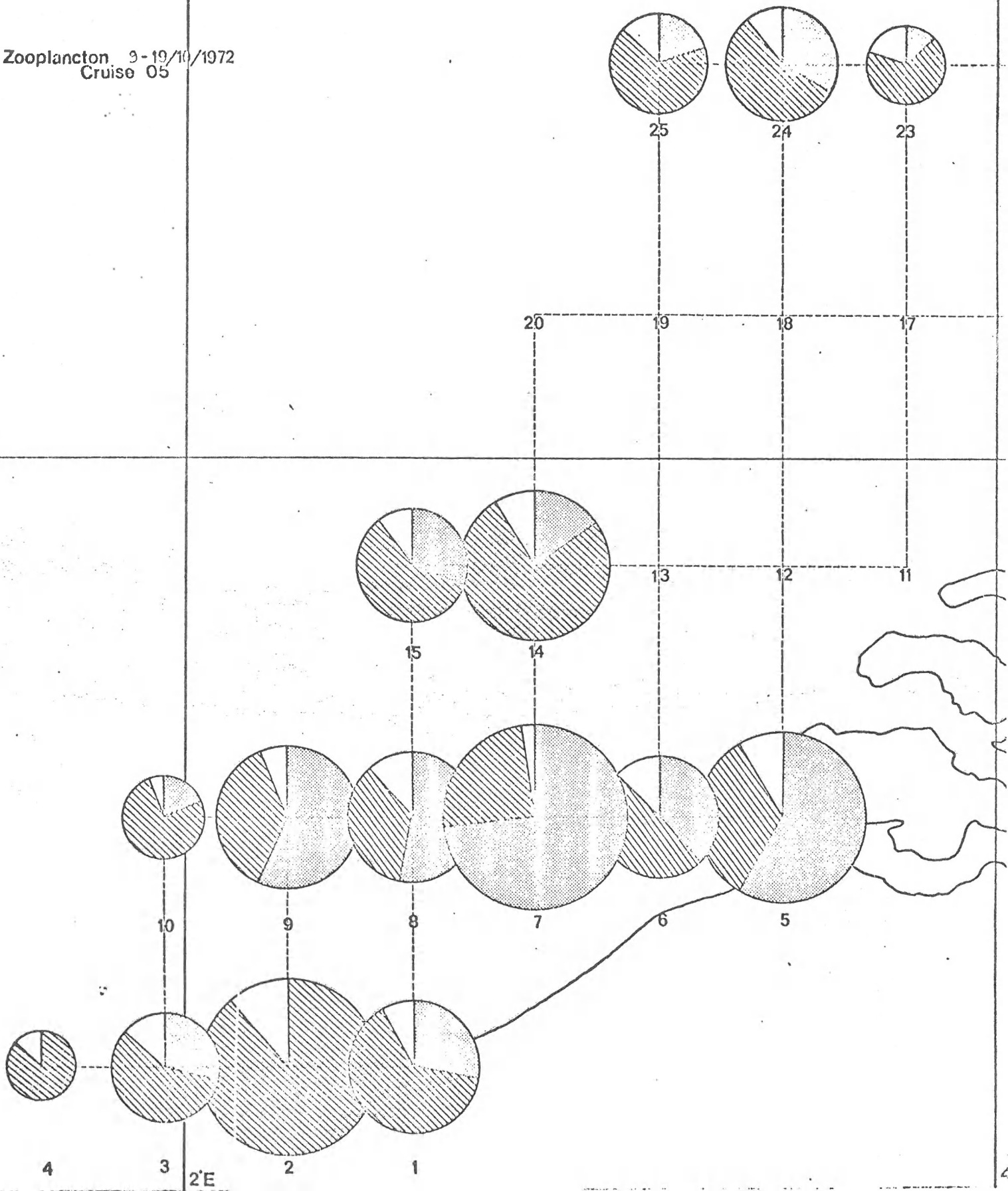
	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	200		
OTHERS	0		
CNIDARIA	120	5	51
ACNIDARIA	0	0	0
NEMATHELMINT.	0	!	0
MOLLUSCA (L)	520	23	222
ANNELIDA (L)	0	0	0
CRUSTACEA	7280		
NAU.COP.	2700	120	
COPEPODS	4500	201	
N+C CIRR.	0	0	0
OTHERS	80	3	34
BRYOZOA (L)	0	0	0
CHAETOGNATHA	40	1	17
ECHINOD. (L)	40	1	17
TUNICATA	40	1	17
PISCES (OVA)	0	0	0

STATION M 25 17101972 1200 00

TOT.NUMB.INDIV./M3(Prot.EXCL.) 6500
 DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.2
 DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.22
 DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .8
 DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.17
 DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,235
 ASHES IDEM 0,078
 ORG. MAT. IDEM 0,157
 DIAGRAM CONSTRUCTION DRY MAT.:D= 0,47
 DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,314

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	340		
OTHERS	0		
CNIDARIA	40	2	16
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	480	26	200
ANNELIDA (L)	20	1	8
CRUSTACEA	5780		
NAU.COP.	1300	72	
COPEPODS	4340	240	
N+C CIRR.	0	0	0
OTHERS	140	7	58
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	20	1	8
TUNICATA	160	8	66
PISCES (OVA)	0	0	0

Zooplankton 9-19/10/1972
Cruise 05



				
Cnidaria	Acnidaria	Nemathelm.	Mollusca (1)	Annelida (1)
				
Nauplii Cop.	Copepoda	N+C Cirr.	Crustacea spec.	Bryozoa (1)
				
Chaetogn.	Echinod. (1)	Tunicata	Pisces (0+1)	Spec. div.

Laboratorium voor Ekologie en Systematiek - V.U.B.

Onderzoek CIPS

Cruise 04 - 1979

Sept.

	11493	11486 180972	11352 40571	1161 140972
	00	1400	00	1300 00
	min.-max.	min.-max.	min.-max.	min.-max.
<u>Vers gewicht</u> $\mu\text{g}/\text{m}^3$				
<u>Cnidaria</u>				
<u>Acnidaria</u>				
<u>Ctenophora</u>				
<u>Nemathelminthes</u>				
Rotatoria spec.				
Nematoda spec.	80-440			72-396
<u>Mollusca</u>				
Gasteropoda (1)				
Lamellibranchia (1)	550	50	250	
<u>Annelida</u>				
Polychaeta spec.	120-226	1080-2034	360-678	1560-2938
Lanice spec.	220-600			
<u>Crustacea</u>				
Copepoda nauplii	480-2048	9360-39936	14190-60544	2280-9728
Copepoda copepodiet	4352-13600	74368-232400	3328-3328	4736-14800
Copepoda adult.	6504-14784	110568-251328	5420-12320	7588-17248
Cirripedia (1)				
Ostracoda				
Decapoda (1)				19460-30400
Mysidacea				
Cumacea				
Isopoda				
Amphipoda				
Cladocera				
<u>Bryozoa (1)</u>				
<u>Chaetognatha Sagitta spec.</u>	6600-109200	3520-58240	2640-43680	3740-61880
<u>Echinodermata Larvae spec.</u>				
<u>Tunicata Oikopleura</u>	244400-568700	41600-96800	21840-50820	3120-7260
<u>Pisces (e - 1)</u>	5360-42892			
TOTAAL	268666-753040	240546-680788	48028-171620	42556-144650
GEMIDDELDE	510853	460667	109824	93603
<u>Drooggewicht</u> $\mu\text{g}/\text{m}^3$	102171	92133	21965	18721
<u>Koolstof</u> $\mu\text{g}/\text{m}^3$	40868	36853	8786	7488
<u>Stikstof</u> $\mu\text{g}/\text{m}^3$	11239	10135	2416	2059
<u>Fosfor</u> $\mu\text{g}/\text{m}^3$	1021	921	220	187

Onderzoek CIPS

Cruise 04 - 1972

sept

	11344 250972	1168 260972	1159 280971	1116 270941
	1800 00	1630 00	1600 00	0930 00
	min.-max.	min.-max.	min.-max.	min.-max.
— Vers gewicht $\mu\text{g}/\text{m}^3$				
<u>Cnidaria</u>				
<u>Acnidaria</u>				
Ctenophora				
<u>Nemathelminthes</u>				
Rotatoria spec.				
Nematoda spec.				
<u>Mollusca</u>				
Gasteropoda (1)				
Lamellibranchia (1)		350	450	250
<u>Annelida</u>				
Polychaeta spec.	4080-7684	9240-17402	120-226	1080-2034
Lanice spec.	1320-3600	5060-13800		880-2400
<u>Crustacea</u>				
Copepoda nauplii	5580-23808	1800-7680	4440-18944	1620-6912
Copepoda copepodiet	29184-91200	2832-27600	28160-88000	8192-25600
Copepoda adult.	43902-99792	13550-30800	42276-96096	12466-28336
Cirripedia (1)		120-200		
Ostracoda				
Decapoda (1)	38920-60800	19460-30400		
Mysidacea				
Cumacea				
Isopoda				
Amphipoda				
Cladocera				
<u>Bryozoa (1)</u>				
<u>Chaetognatha Sagitta spec.</u>	1980-32760	6160-101920	2420-40040	3300-54600
<u>Echinodermata Larvae spec.</u>				
<u>Tunicata Oikopleura</u>	7280-16940	40780-94860	22880-53240	336960-784080
<u>Pisces (e - 1)</u>				
TOTAAL	136326-336584	472252-1178792	100746-296996	364748-904212
GEMIDDELD	236655	825522	198871	634480
— Drooggewicht $\mu\text{g}/\text{m}^3$	47291	165104	39774	126896
— Koolstof $\mu\text{g}/\text{m}^3$	18916	66042	15910	50758
— Stikstof $\mu\text{g}/\text{m}^3$	5202	18161	4375	13959
— Fosfor $\mu\text{g}/\text{m}^3$	473	1651	398	1269

Onderzoek CIPS

Cruise 04 - 1972

sept.

	11930	20972	11097	60972	1165	130972	11172	80972
	1105	00	1625	00	1045	00	900	00
	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.
<u>Vers gewicht</u> $\mu\text{g}/\text{m}^3$								
<u>Cnidaria</u>								
<u>Acnidaria</u>								
Ctenophora								
<u>Nemathelminthes</u>								
Rotatoria spec.								
Nematoda spec.	28 - 154						16 - 88	
<u>Mollusca</u>								
Gasteropoda (1)		720						
Lamellibranchia (?)		10150					150	
<u>Annelida</u>								
Polychaeta spec.		7320-13786					120 - 226	
Lanice spec.								
<u>Crustacea</u>								
Copepoda nauplii	1560 - 6656	2070 - 8832			5970 - 25472		780 - 3328	
Copepoda copepodiet	19072 - 59600	34048 - 106400			51200 - 160000		58240 - 182000	
Copepoda adult.	28726 - 65296	50948 - 115808			76422 - 173712		86720 - 197120	
Cirripedia (1)		1080 - 1800						
Ostracoda								
Decapoda (1)					19460 - 30400			
Mysidacea								
Cumacea								
Isopoda								
Amphipoda	19460 - 30400							
Cladocera	1440 - 4200	1440 - 4200						
<u>Bryozoa (1)</u>								
<u>Chaetognatha Sagitta spec.</u>		220 - 3640			440 - 7980		220 - 3640	
<u>Echinodermata Larvae spec.</u>								
<u>Tunicata Oikopleura</u>	17680 - 41140	24960 - 58080					1040 - 2420	
<u>Pisces (e - 1)</u>								
TOTAAL	87966 - 207446	132956 - 323400			153492 - 396864		147286 - 388972	
GEMIDDELDE	147706	228186			275178		268129	
<u>Drooggewicht</u> $\mu\text{g}/\text{m}^3$	29541	45637			55036		53626	
<u>Koolstof</u> $\mu\text{g}/\text{m}^3$	11816	18255			22014		21450	
<u>Stikstof</u> $\mu\text{g}/\text{m}^3$	3250	5020			6054		5899	
<u>Fosfor</u> $\mu\text{g}/\text{m}^3$	295	456			550		536	

Onderzoek CIPSCruise 04-1972sept.

	1101	60972	112001	120572	111699	80972	111348	250572
	1210	00	1330	00	1150	00	1300	00
	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.
<u>Vers gewicht</u> $\mu\text{g}/\text{m}^3$								
<u>Cnidaria</u>								
<u>Acnidaria</u>								
<u>Ctenophora</u>								
<u>Nemathelminthes</u>								
Rotatoria spec.								
Nematoda spec.					452 - 2186			
<u>Mollusca</u>								
Gasteropoda (1)	720							
Lamellibranchia (1)	450							
<u>Annelida</u>								
Polychaeta spec.	4920 - 9266	480 - 904					1680 - 3164	
Lanice spec.	1100 - 3000				220 - 600		440 - 1200	
<u>Crustacea</u>								
Copepoda nauplii	1020 - 5244	2070 - 8832			2790 - 11904		4890 - 20264	
Copepoda copepodiet	13124 - 41200	24064 - 75200			19968 - 62400		15616 - 48800	
Copepoda adult.	20054 - 45584	20054 - 82544			30352 - 68992		23306 - 52376	
Cirripedia (1)	360 - 600							
Ostracoda		19460 - 30400						
Decapoda (1)								
Mysidacea								
Cumacea								
Isopoda								
Amphipoda								
Cladocera								
<u>Bryozoa (1)</u>								
<u>Chaetognatha Sagitta spec.</u>	660 - 10920	220 - 3640			3080 - 50960		3960 - 65520	
<u>Echinodermata Larvae spec.</u>								
<u>Tunicata Oikopleura</u>	39520 - 91960	2080 - 4840			95680 - 22160		49920 - 116160	
<u>Pisces (e - 1)</u>								
TOTAAL	82048 - 208948	68428 - 206360			152542 - 419962		99812 - 308684	
GEMIDDELDE	145498	137394			286262		204248	
<u>Drooggewicht</u> $\mu\text{g}/\text{m}^3$	29100	27479			57252		40850	
<u>Koolstof</u> $\mu\text{g}/\text{m}^3$	11640	10992			22900		16340	
<u>Stikstof</u> $\mu\text{g}/\text{m}^3$	3201	3023			6298		4494	
<u>Fosfor</u> $\mu\text{g}/\text{m}^3$	291	275			573		409	

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Onderzoek CIPS

Cruise 04 - 1972

sept.

	M1634	140972	M2841	270972	M22	M05
	1030	00	1200	00	00	00
Vers gewicht $\mu\text{g}/\text{m}^3$	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.
<u>Cnidaria</u>						
<u>Acnidaria</u>						
Ctenophora						
<u>Nemathelminthes</u>						
Rotatoria spec.						
Nematoda spec.	4 - 22					
<u>Mollusca</u>						
Gasteropoda (1)						
Lamellibranchia (1)	700	150				
<u>Annelida</u>						
Polychaeta spec.		7560 - 14238	240 - 452			
Lanice spec.		440 - 1200			220-600	
<u>Crustacea</u>						
Copepoda nauplii	810 - 3456	1050 - 4480	2340 - 9984		16920 - 72192	
Copepoda copepodiet	13824 - 43200	5760 - 18000	14936 - 44800		30208 - 94400	
Copepoda adult.	21138 - 48048	8672 - 19712	21680 - 49280		45528 - 103488	
Cirripedia (1)						
Ostracoda						
Decapoda (1)		19460 - 30400	58380 - 91200			
Mysidacea						
Cumacea						
Isopoda		19460 - 30400				
Amphipoda						
Cladocera						
<u>Bryozoa (1)</u>						
<u>Chaetognatha</u> Sagitta spec.		660 - 10920	5940 - 98280		660 - 10920	
<u>Echinodermata</u> Larvae spec.						
<u>Tunicata</u> Oikopleura		5200 - 12100	15600 - 36300		15600 - 142780	
<u>Pisces</u> (e - 1)						
TOTAAL	36476 - 95426	68412 - 141600	96976 - 390296		109136 - 424380	
GEMIDDELD	65951	103006	213636		266758	
Drooggewicht $\mu\text{g}/\text{m}^3$	13190	21001	42727		53352	
Koolstof $\mu\text{g}/\text{m}^3$	5276	8400	17091		21341	
Stikstof $\mu\text{g}/\text{m}^3$	1451	2310	4700		5869	
Fosfor $\mu\text{g}/\text{m}^3$	132	210	427		534	

Onderzoek CIPS

Cruise 04 - 1972

sept.

	112689	270972	112552	220972	1172	220972	11693	220972
	1500	00	1100	00	1030	00	1390	00
	min.-max.		min.-max.		min.-max.		min.-max.	
<u>Vers gewicht</u> $\mu\text{g}/\text{m}^3$								
<u>Cnidaria</u>								
<u>Acnidaria</u>								
<u>Ctenophora</u>								
<u>Nemathelminthes</u>								
Rotatoria spec.								
Nematoda spec.								
<u>Mollusca</u>								
Gasteropoda (1)								
Lamellibranchia (1)	100				100		1450	
<u>Annelida</u>								
Polychaeta spec.	480 - 6784		360 - 678				1920 - 3616	
Lanice spec.	220 - 600						220 - 600	
<u>Crustacea</u>								
Copepoda nauplii	1590 -		210 - 896		3840 - 16384		1710 - 7296	
Copepoda copepodiet	4864 - 15200		7040 - 22000		3104 - 97200		8576 - 26800	
Copepoda adult.	7588 - 17248		10840 - 24640		4662 - 165952		13008 - 29568	
Cirripedia (1)							120 - 200	
Ostracoda								
Decapoda (1)								
Mysidacea								
Cumacea								
Isopoda								
Amphipoda								
Cladocera					360 - 2800			
<u>Bryozoa (1)</u>								
<u>Chaetognatha</u> Sagitta spec.	2200 - 36400						6160 - 101920	
<u>Echinodermata</u> Larvae spec.								
<u>Tunicata</u> Oikopleura	37440 - 87120	22880 - 53240	2080 - 4840				7280 - 16940	
<u>Pisces (e - 1)</u>								
TOTAAL	54482-162852	41330-101454	84696-243660				40444-188390	
GEMIDDELDE	108662	71392	164178				114417	
<u>Drooggewicht</u> $\mu\text{g}/\text{m}^3$	21233	14278	32836				22883	
<u>Koolstof</u> $\mu\text{g}/\text{m}^3$	8693	5711	13134				9153	
<u>Stikstof</u> $\mu\text{g}/\text{m}^3$	2391	1571	3612				2517	
<u>Fosfor</u> $\mu\text{g}/\text{m}^3$	217	143	328				229	

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Onderzoek CIPS

Cruise 05-1972
octobre.

	№1 1445	№2 1030	№3 1260	№4 1550
	min.-max.	min.-max.	min.-max.	min.-max.
<u>Vers gewicht</u> $\mu\text{g}/\text{m}^3$				
<u>Cnidaria</u>				
<u>Acnidaria</u>				
Ctenophora				
<u>Nemathelminthes</u>				
Rotatoria spec.				
Nematoda spec.		4-22	56-308	16-88
<u>Mollusca</u>				
Gasteropoda (1)	240			
Lamellibranchia (1)	-		300	
<u>Annelida</u>				
Polychaeta spec.	2640-4972	729-1356	600-1130	480-904
Lanice spec.				
<u>Crustacea</u>				
Copepoda nauplii	4650-19840	2010-8576	3090-13184	300-1280
Copepoda copepodiet	37504-117200	86016-268200	21760-68000	15104-47200
Copepoda adult.	34688-72848	80216-182336	20596-46816	14052-32032
Cirripedia (1)		1080-1800	600-1000	240-400
Ostracoda				
Decapoda (2)				
Mysidacea				
Cumacea				
Isopoda				128-234
Amphipoda				
Cladocera				
<u>Bryozoa (1)</u>				
<u>Chaetognatha Sagitta spec.</u>		880-14560	220-3640	220-3640
<u>Echinodermata Larvae spec.</u>				
<u>Tunicata Oikopleura</u>	22880-53240	17680-41140	14560-33880	
<u>Pisces (e - 1)</u>				
TOTAAL	102602-274340	188606-518540	61782-168258	30708-85778
GEMIDDELDE	188471	353598	115020	58243
<u>Drooggewicht</u> $\mu\text{g}/\text{m}^3$	37694	70720	23004	11649
<u>Koolstof</u> $\mu\text{g}/\text{m}^3$	15078	28288	9202	4660
<u>Stikstof</u> $\mu\text{g}/\text{m}^3$	4146	7779	2530	1281
<u>Fosfor</u> $\mu\text{g}/\text{m}^3$	377	707	230	116

Laboratorium voor Ekologie en Systematiek - V.U.B.

Onderzoek CIPS

Cruise 05 - 1972
octobre.

	1105 1230	101072 00	1106 1000	101072 00	1107 1500	091072 00	1108 1030	191072 00
	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.
<u>Vers gewicht</u> $\mu\text{g}/\text{m}^3$								
<u>Cnidaria</u>								
<u>Acnidaria</u>								
<u>Ctenophora</u>								
<u>Nemathelminthes</u>								
Rotatoria spec.								
Nematoda spec.							20 - 110	
<u>Mollusca</u>								
Gasteropoda (1)								
Lamellibranchia (1)			200				450	
<u>Annelida</u>								
Polychaeta spec.			3480 - 6554		600 - 1130		240 - 452	
Lanice spec.	220 - 600		880 - 2400		220 - 600			
<u>Crustacea</u>								
Copepoda nauplii	16920 - 72192		5460 - 12800		23670 - 100992		9150 - 39040	
Copepoda copepodiet	33536 - 104800		24448 - 76400		27264 - 85200		21120 - 66000	
Copepoda adult.	31436 - 71456		22764 - 51144		25474 - 57904		19512 - 44352	
Cirripedia (1)			720 - 1200					
Ostracoda								
Decapoda (1)								
Mysidacea								
Cumacea								
Isopoda								
Amphipoda								
Cladocera								
<u>Bryozoa (1)</u>								
<u>Chaetognatha Sagitta spec.</u>	660 - 10920						1100 - 18200	
<u>Echinodermata Larvae spec.</u>								
<u>Tunicata Oikopleura</u>	61360 - 142780		10400 - 24200		19480 - 29040		7280 - 16940	
<u>Pisces (e - 1)</u>								
TOTAAL	144132 - 402748		68352 - 371458		89708 - 274800		58872 - 185544	
GEMIDDELDE	273440		219905		182287		122208	
<u>Drooggewicht</u> $\mu\text{g}/\text{m}^3$	54688		43981		36457		24442	
<u>Koolstof</u> $\mu\text{g}/\text{m}^3$	21875		17592		14583		9777	
<u>Stikstof</u> $\mu\text{g}/\text{m}^3$	6016		4838		4010		2689	
<u>Fosfor</u>	547		440.		365		244.	

Onderzoek CIPS

Cruise 05-1972

octobre.

	M09 161073 1530 00	M10 131071 1015 00	M14 191071 1445 00	M15 191072 1445 00
	min.-max.	min.-max.	min.-max.	min.-max.
— Vers gewicht $\mu\text{g}/\text{m}^3$				
<u>Cnidaria</u>				
<u>Acnidaria</u>				
Ctenophora				
<u>Nemathelminthes</u>				
Rotatoria spec.				
Nematoda spec.		12 - 66		
<u>Mollusca</u>				
Gastropoda (1)			120	
Lamellibranchia (1)	150	150	1650	900
<u>Annelida</u>				
Polychaeta spec.			120 - 226	
Lanice spec.				
<u>Crustacea</u>				
Copepoda nauplii	10470 - 44672	1290 - 5504	3300 - 14080	3600 - 15360
Copepoda copepodiet	26880 - 84000	1792 - 55600	56704 - 17200	24192 - 75600
Copepoda adult.	25474 - 57904	16802 - 38192	53116 - 120736	22764 - 51744
Cirripedia (1)				
Ostracoda				
Decapoda (1)				
Mysidacea				
Cumacea			384 - 702	
Isopoda				
Amphipoda				
Cladocera				
<u>Bryozoa (1)</u>				
<u>Chaetognatha Sagitta spec.</u>			290 - 3640	
<u>Echinodermata Larvae spec.</u>				
<u>Tunicata Oikopleura</u>		4160 - 9680		3120 - 7260
<u>Pisces (e - 1)</u>				
TOTAAL	62974 - 186726	40206 - 109192	115720 - 318354	54576 - 150864
GEMIDDELDE	124850	74699	212037	102720
— Drooggewicht $\mu\text{g}/\text{m}^3$	24970	14940	43407	20544
— Koolstof $\mu\text{g}/\text{m}^3$	9988	5976	17363	8218
— Stikstof $\mu\text{g}/\text{m}^3$	2747	1643	4775	2260
— Fosfor $\mu\text{g}/\text{m}^3$	250	149	434	205

Onderzoek CIPS

Cruise 05 - 1972

october.

		1123	121072	1124	121072	1125	121072
		1000	60	1000	60	1000	60
		min.-max.	min.-max.	min.-max.	min.-max.	min.-max.	min.-max.
— Vers gewicht kg/m^3							
<u>Cnidaria</u>							
<u>Acnidaria</u>							
	Ctenophora						
<u>Nemathelminthes</u>							
	Rotatoria spec.						
	Nematoda spec.						
<u>Mollusca</u>							
	Gasteropoda (1)						
	Lamellibranchia (1)		120 1250		1200		
<u>Annelida</u>							
	Polychaeta spec.	240 - 452			120 - 226		
	Lanice spec.						
<u>Crustacea</u>							
	Copepoda nauplii	750 - 3200	4050 - 17280	1950 - 8320			
	Copepoda copepodiet	13440 - 42000	23552 - 73600	22784 - 71200			
	Copepoda adult.	12466 - 28336	22222 - 50512	21132 - 48048			
	Cirripedia (1)						
	Ostracoda						
	Decapoda (1)						
	Mysidacea						
	Cumacea						
	Isopoda		128 - 234	256 - 468			
	Amphipoda						
	Cladocera						
<u>Bryozoa (1)</u>							
<u>Chaetognatha Sagitta spec.</u>		4840 - 80080	440 - 7280				
<u>Echinodermata Larvae spec.</u>							
<u>Tunicata Oikopleura</u>		13520 - 31460	2080 - 4840	8320 - 19360			
<u>Pisces (e - 1)</u>							
	TOTAAL	45256 - 125532	53842 - 155116	55768 - 148892			
	GEMIDDELDE	115394	104479	102295			
— Drooggewicht kg/m^3		23079	20896	20459			
— Koolstof kg/m^3		9232	8358	8184			
— Stikstof kg/m^3		2539	2299	2250			
— Fosfor kg/m^3		231	209	205			