C.I.P.S.
MODELE MATHEMATIQUE DE LA
POLLUTION EN MER DU NORD.

TECHNICAL REPORT.
1972/ 01-BIOL.03

Etude du ZOOPLANCTON.

par

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(Croisière 01 - Janvier 1972.)

A. Composition qualitative du zooplancton

En apparence, nous remarquons une grande homogénéité dans la composition qualitative, en relation avec l'état latent de la période hivernale. Les nauplii de copépodes et les copépodes dominent en tout point (surtout Acartia clausi, Paracalanus parvus, Temora longicornis, mais aussi Centropages hamatus, Calanus helgolandicus, Canuella perplexa, Euterpina acutifrons, Cyclopina littoralis, Caligus sp, Corycaeus anglicus).

B. Composition quantitative du zooplancton

La représentation graphique nous montre une uniformité très grande, il y a, en effet, peu de différence entre le large et la côte.

C. Matières sèche et organique

Il y a une très grande uniformité dans la quantité autant que dans le rapport matière organique - matière sèche, sauf pour les points M01 et M16 où nous trouvons une grande quantité de matière minérale.

D. Comparaison entre les croisières 00 et 05

Toutes les 2 sont des croisières d'hiver à 11 mois d'intervalle.

- La composition qualitative est identique les 2 années consécutives (nauplii et copépodes, surtout Acartia clausi, Paracalanus parvus, Temora longicornis, mais aussi Centropages hamatus, Calanus helgolandicus, Canuella perplexa, Euterpina acutifrons, Cyclopina littoralis, Caligus sp, Corycaeus anglicus).
  Cependant notons la présence de polychètes en plus grand nombre pour la croisière 00 qui fut réalisée 30 jours plus tard.

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- La composition quantitative est sensiblement identique (comprise entre 2.900 et 940 individus / m^3), sauf pour les points M02 (480 individus / m^3 à l'embouchure de l'Escaut) et M06 (9.180 individus / m^3 avec abondance de rotifères) pour la croisière 00.

STATION01 M01 020172 1400 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1780
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.79
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.68
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .66
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .39
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2.678
ASHES IDEM 2.155
ORG. MAT. IDEM .523
DIAGRAM CONSTRUCTION DRY MAT. :D= 5.356
DIAGRAM CONSTRUCTION ORG.MAT.:D= 1.046

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1920		
OTHERS	460		
CNIDARIA	0	0	0
ACNIDARIA	40	8	144
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	4	72
CRUSTACEA	1680		
NAU.COP.	320	64	
COPEPODS	1360	275	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	40	8	144
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION02 M02 020172 1815 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 2280
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.12
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.88
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .66
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .39
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .224
ASHES IDEM .154
ORG. MAT. IDEM .07
DIAGRAM CONSTRUCTION DRY MAT. :D= .448
DIAGRAM CONSTRUCTION ORG.MAT.:D= .14

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	2340		
OTHERS	60		
CNIDARIA	0	0	0
ACNIDARIA	20	3	72
NEMATHELMINT.	20	3	72
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	2140		
NAU.COP.	240	38	
COPEPODS	1860	304	
N+C CIRR.	20	3	72
OTHERS	0	0	0
BRYOZOA (L)	40	6	144
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 03 M03 030172 1125 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1700
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=40M):R= 2.73
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.64
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .72
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .43
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .813
ASHES IDEM .583
ORG. MAT. IDEM .23
DIAGRAM CONSTRUCTION DRY MAT. :D= 1.626
DIAGRAM CONSTRUCTION ORG.MAT.:D= .46

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	900		
OTHERS	30		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	1700		
NAU.COP.	80	16	240
COPEPODS	1580	334	
N+C CIRR.	0	0	0
OTHERS	40	8	120
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 04 M04 030172 1410 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1160
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=40M):R= 2.25
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.36
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .59
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .35
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .312
ASHES IDEM .175
ORG. MAT. IDEM .137
DIAGRAM CONSTRUCTION DRY MAT. :D= .684
DIAGRAM CONSTRUCTION ORG.MAT.:D= .274

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	60		
OTHERS	40		
CNIDARIA	80	6	90
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	1140		
NAU.COP.	180	55	
COPEPODS	900	279	
N+C CIRR.	0	0	0
OTHERS	60	18	270
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION05 M05 100172 1430 00

TOT.NUMB.INDIV./M3(P.&T.EXCL.) 1940
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.92
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.76
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .59
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .35
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .131
ASHES IDEM .066
ORG. MAT. IDEM .065
DIAGRAM CONSTRUCTION DRY MAT. :D= .262
DIAGRAM CONSTRUCTION ORG.MAT.:D= .13

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	220		
OTHERS	20		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	80	14	360
CRUSTACEA	1360		
NAU.COP.	420	77	
COPEPODS	1440	267	
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	0	0	0
PISCES (OVA)	0	0	0

STATION06 M06 100172 2000 00.

TOT.NUMB.INDIV./M3(P.&T.EXCL.) 1500
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.56
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.54
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .23
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .048
ASHES IDEM .17
ORG. MAT. IDEM .078
DIAGRAM CONSTRUCTION DRY MAT. :D= .496
DIAGRAM CONSTRUCTION ORG.MAT.:D= .156

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	360		
OTHERS	20		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	160	56	
CRUSTACEA	1580		
NAU.COP.	440	105	
COPEPODS	480	511	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	80	4	360
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION04 M07 070172 12.30 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 2540
DIAGRAM CONSTRUCTION (WITH MAX.AREA h=4CM):h= 3.36
DIAGRAM CONSTRUCTION (NO MAX.AREA):h= 2.03
DIAGRAM CONSTRUCTION (WITH MAX.AREA) DECAN.-1OPC:h= .20
DIAGRAM CONSTRUCTION (NO MAX.AREA) DECAN.-1OPC:h= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .228
ASHES IDEM .161
ORG. MAT. IDEM .067
DIAGRAM CONSTRUCTION DRY MAT. :D= .456
DIAGRAM CONSTRUCTION ORG.MAT.:D= .134

	TOT.NUMB./M3	TOT.AVG.ASPH.	AVG.ASPH.-10PC
PROTOZOA			
NOCTILUCA	220		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMAT-HELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	2560		
NAU.COP.	260	36	
COPEPODS	2300	320	
M+C CLAS.	0	0	0
OTHERS	0	0	0
PHYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 08 M08 070172 1000 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 2000
DIAGRAM CONSTRUCTION (WITH MAX.AREA h=4CM):h= 2.36
DIAGRAM CONSTRUCTION (NO MAX.AREA):h= 1.78
DIAGRAM CONSTRUCTION (WITH MAX.AREA) DECAN.-1OPC:h= .20
DIAGRAM CONSTRUCTION (NO MAX.AREA) DECAN.-1OPC:h= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .238
ASHES IDEM .216
ORG. MAT. IDEM .022
DIAGRAM CONSTRUCTION DRY MAT. :D= .476
DIAGRAM CONSTRUCTION ORG.MAT.:D= .044

	TOT.NUMB./M3	TOT.AVG.ASPH.	AVG.ASPH.-10PC
PROTOZOA			
NOCTILUCA	340		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMAT-HELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	2000		
NAU.COP.	220	39	
COPEPODS	1760	316	
M+C CLAS.	0	0	0
OTHERS	20	3	360
PHYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 09 M 09 140172 1045 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 940
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.03
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.22
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .41
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .25
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .242
ASHES IDEM .171
ORG. MAT. IDEM .071
DIAGRAM CONSTRUCTION DRY MAT. :D= .484
DIAGRAM CONSTRUCTION ORG.MAT.:D= .142

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	900		
NAU.COP.	440	168	
COPEPODS	460	176	
N+C CLAS.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	7	180
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	20	7	130
PISCES (OVA)	0	0	0

STATION 16 M 16 130172 1400 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1140
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.23
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.35
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .29
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1.827
ASHES IDEM 1.735
ORG. MAT. IDEM .092
DIAGRAM CONSTRUCTION DRY MAT. :D= 3.654
DIAGRAM CONSTRUCTION ORG.MAT.:D= .184

	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)	80	6	360
ANNELIDA (L)	0	0	0
CRUSTACEA	1120		
NAU.COP.	380	120	
COPEPODS	740	233	
N+C CLAS.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 17 M 17 12 01 72 1445 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 980
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.07
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.25
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .29
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .303.
ASHES IDEM .221
ORG. MAT. IDEM .082
DIAGRAM CONSTRUCTION DRY MAT. :D= .606
DIAGRAM CONSTRUCTION ORG.MAT.:D= .164

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	120		
OTHERS	40		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	960		
NAU.COP.	460	168	
COPEPODS	500	183	
N+C CIAM.	0	0	0
OTHERS	0	0	0
PHYZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 18 M 18 12 01 72 1145 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3460
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.89
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.35
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .29
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .464
ASHES IDEM .415
ORG. MAT. IDEM .049
DIAGRAM CONSTRUCTION DRY MAT. :D= .968
DIAGRAM CONSTRUCTION ORG.MAT.:D= .035

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	140		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	3440		
NAU.COP.	1360	141	
COPEPODS	2080	216	
N+C CIAM.	0	0	0
OTHERS	0	0	0
PHYZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 19 M 19 110178 1430 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1800
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.81
DIAGRAM CONSTRUCTION (N) MAX.AREA):R= 1.60
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .72
DIAGRAM CONSTRUCTION (N) MAX.AREA) ORGAN.-10PC:R= .43
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .269
ASHES IDEM .122
ORG. MAT. IDEM .147
DIAGRAM CONSTRUCTION DRY MAT. :D= .538
DIAGRAM CONSTRUCTION ORG.MAT.:D= .294

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	60		
OTHERS	20		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	1700		
NAU.COP.	420	84	
COPEPODS	1260	252	
M+C CIAR.	0	0	0
OTHERS	20	4	60
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	100	20	300
PISCES (OVA)	0	0	0

STATION 20 M 20 110178 1045 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 2100
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.03
DIAGRAM CONSTRUCTION (N) MAX.AREA):R= 1.83
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 0
DIAGRAM CONSTRUCTION (N) MAX.AREA) ORGAN.-10PC:R= 0
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .209
ASHES IDEM .178
ORG. MAT. IDEM .031
DIAGRAM CONSTRUCTION DRY MAT. :D= .418
DIAGRAM CONSTRUCTION ORG.MAT.:D= .062

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	160		
CNIDARIA	0	0	*
ACNIDARIA	0	0	*
NEMATHELMINT.	0	0	*
MOLLUSCA (L)	0	0	*
ANNELIDA (L)	0	0	*
CRUSTACEA	1400		
NAU.COP.	200	154	
COPEPODS	300	154	
M+C CIAR.	0	0	*
OTHERS	0	0	*
BRYOZOA (L)	0	0	*
CHAETOGNATHA	0	0	*
ECHINOD. (L)	0	0	*
TUNICATA	300	51	
PISCES (OVA)	0	0	*

STATION 21 M21 130172 1000 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1820
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=40M):R= 2.82
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.7
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .29
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .179
ASHES IDEM .141
ORG. MAT. IDEM .038
DIAGRAM CONSTRUCTION DRY MAT. :D= .358
DIAGRAM CONSTRUCTION ORG.MAT.:D= .076

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	640		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	1800		
NAU.COP.	680	134	
COPEPODS	1120	221	
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	0	0	0
PISCES (OVA)	0	0	0

STATION 22 M22 060172 1445 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3640
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=40M):R= 4
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.41
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .41
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .25
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .203
ASHES IDEM .129
ORG. MAT. IDEM .074
DIAGRAM CONSTRUCTION DRY MAT. :D= .406
DIAGRAM CONSTRUCTION ORG.MAT.:D= .148

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	500		
OTHERS	20		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	3600		
NAU.COP.	640	63	
COPEPODS	2960	292	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	40	3	360
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 23 M23 060172 1115 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 1720
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.74
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.65
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .59
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .35
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .247
ASHES IDEM .153
ORG. MAT. IDEM .094
DIAGRAM CONSTRUCTION DRY MAT. :D= .494
DIAGRAM CONSTRUCTION ORG.MAT.:D= .188

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	220		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	1700		
NAU.COP.	60	12	270
COPEPODS	1640	343	
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	20	4	90
PISCES (OVA)	0	0	0

STATION 24 M24 050172 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 2000
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.57
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.15
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .41
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .25
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .105
ASHES IDEM .081
ORG. MAT. IDEM .024
DIAGRAM CONSTRUCTION DRY MAT. :D= .31
DIAGRAM CONSTRUCTION ORG.MAT.:D= .048

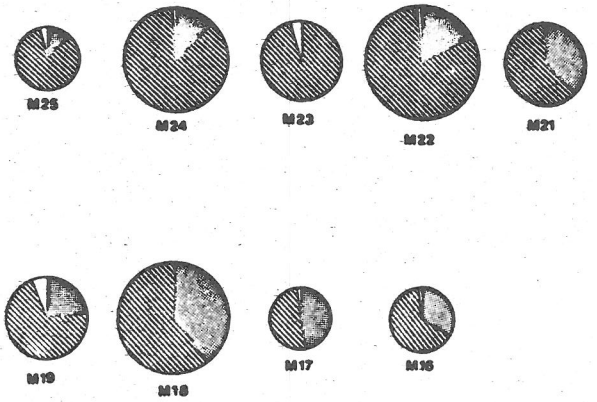
	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	60		
OTHERS	20		
CNIDARIA	20	2	180
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	2380		
NAU.COP.	360	44	
COPEPODS	2020	310	
N+C CIRR.	0	0	0
OTHERS	20	2	180
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION 25 M25 050172 1000 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 980
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.07
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.25
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .41
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .25
DRY MAT.(G/M3) PARTICLES > 40 MICRONS .486
ASHES IDEM .212
ORG. MAT. IDEM .274
DIAGRAM CONSTRUCTION DRY MAT. :D= .972
DIAGRAM CONSTRUCTION ORG.MAT.:D= .548

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	620		
OTHERS	60		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	940		
MAJ.COP.	120	44	
COPEPODS	820	301	
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	40	14	360
PISCES (OVA)	0	0	0


CRUISE 5
M25
M24
M23
M22
M21
M20
M19
M18
M17
M16
M15
M14
M13
M12
M11
M09
M08
M07
M06
M05
M04
M03
M02
M01
ASGEWICHT
ORGANISCHE STOF [>40µ]
TOTAAL : DROOGGEWICHT [>40µ]



CRUISE 5

M15 M14 M13 M12 M11

ZOOPLANKTON