

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Benthic macrofauna of a south San Francisco Bay,
California mudflat, 1974 to 1983

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Open-File Report 84-759

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1. Menlo Park, California

1984

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ABSTRACT

Benthic macrofauna (>0.5 mm) samples were collected between February 1974 and August 1983 at three intertidal sites in a south San Francisco Bay mudflat. Samples were collected on schedules ranging from monthly to no less frequently than semi-annually. Abundance data are presented for all species collected and graphs of species abundance against time are shown for the major species at all stations.

INTRODUCTION

Species composition and abundance in benthic communities are frequently used as measures of environmental health. It is important, therefore, that we differentiate between normal (long and short-term) variations and man-induced changes in any benthic community. There have been few long-term studies on benthic communities although it has been established that short-term variations in community structure may be small when compared to interannual variations (see Boesch and Rosenberg 1982 for a review of this subject). The benthic community of San Francisco Bay has been infrequently sampled (Nichols 1973) and multiple-year studies are quite rare. This study was undertaken with the goal of establishing a long-term data base at three intertidal sites in South San Francisco Bay to help determine what physical and biological factors are important in the structuring of benthic communities in San Francisco Bay. This report represents a summary of the data from this 10 year study.

MATERIALS AND METHODS

The study site is located near Sand Point at the southern end of San Francisco Bay, California (figure 1). The samples were taken at three locations along an intertidal transect where the tidal range is 2.5 m. The nearshore station, 45, is 12 m from the edge of the marsh and 110 cm above mean lower low water (MLLW). The second station, 46, is 28 m from the first station and 90 cm above MLLW, and the deepest station, 47, is 142 m from the nearshore station and 80 cm above MLLW.

Samples were collected with two different sizes of cores. Three 8.5-cm diameter cores were used to sample at each station on the following schedule: at monthly intervals from February 1974 through March 1975, bimonthly from March 1975 through February 1977, semi-annually (February and August) from February 1977 through February 1982, and quarterly through August 1983. These cores were 20 cm long except at the middle station, 46, where the depth of sediment overlying an impenetrable shell layer varied from 10-20 cm. Six samples were also taken at the nearshore station, 45, with a rectangular corer, 16 x 10 cm and 23 cm deep. Samples were collected with this core every month from June 1979 through May 1980, bimonthly through October 1980, and quarterly through January 1982.

All samples were washed through a 0.5-mm sieve, preserved in formalin for 48-72 hours, and transferred to 70% ethyl alcohol. Animals were removed from the sediment in all three 8.5 cm replicate core samples from February 1974 through February 1977, and in one replicate thereafter. One large core (16x10cm) sample was analyzed for each

sampling date. Animals were identified to species where possible and counted.

ACKNOWLEDGMENTS

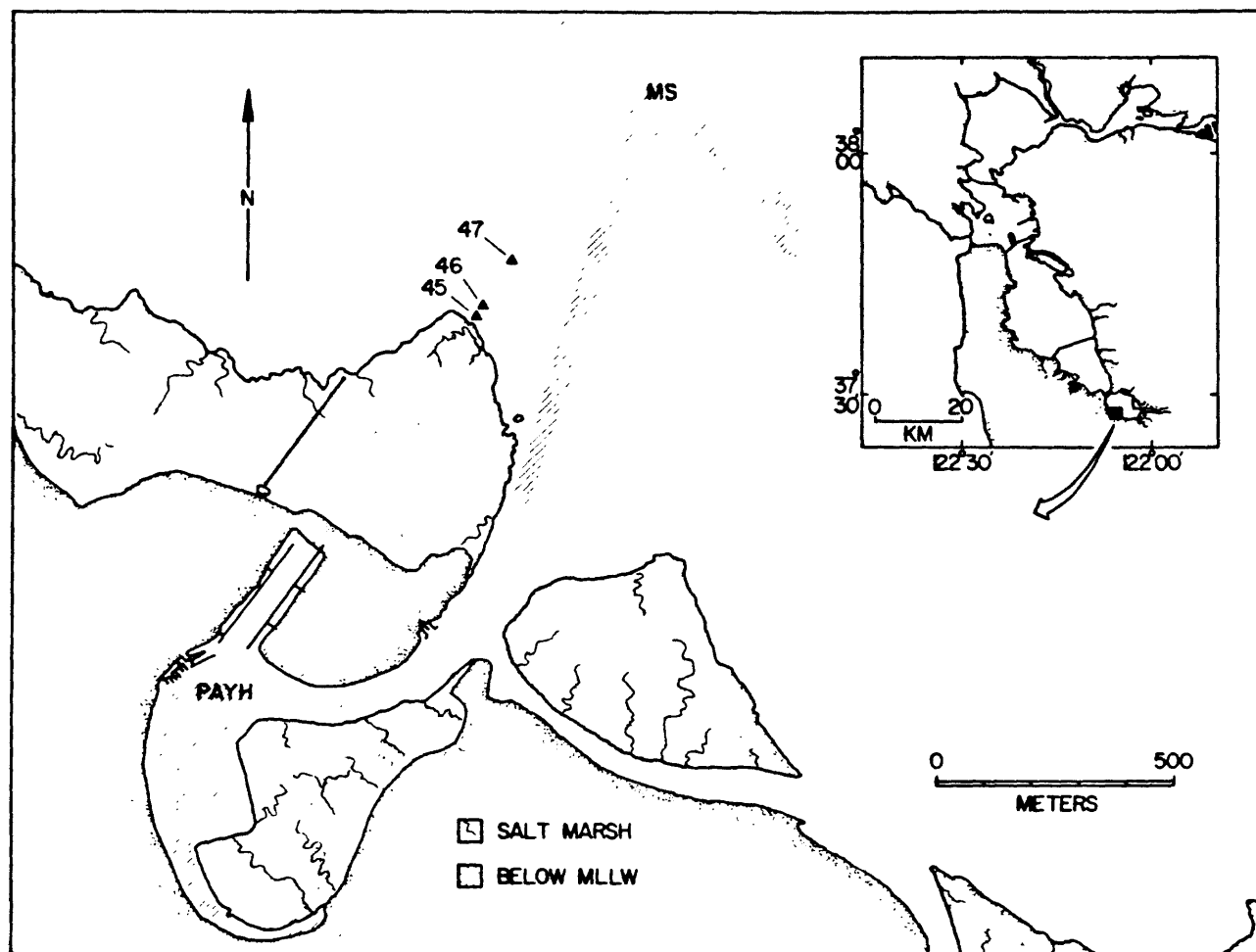
Numerous individuals helped us in collection of samples through the years. Special thanks are due Brian Cole and Sally Wienke for their help during many of the years.

Thanks are due J.T. Carlton for his help in species identification in the early years of this study and to I. G. Sohn, P. Lafollette, and P. V. Dresler for identification of specimens from our ostracod, gastropod, and oligochaete collections.

LITERATURE CITED

- Boesch, D.F. and Rosenberg, R., 1982, Response to stress in marine benthic communities, in Barrett, G.W. and Rosenberg, R., eds., Stress effects on natural ecosystems: John Wiley, New York, p. 179-200.
- Nichols, F.H., 1973, A review of benthic faunal surveys in San Francisco Bay: U.S. Geological Survey Circular 677, 20p.

Figure 1. Detail map of station locations with inset map of transect location in San Francisco Bay, California. (MS: Mayfield Slough, PAYH: Palo Alto Yacht Harbor)



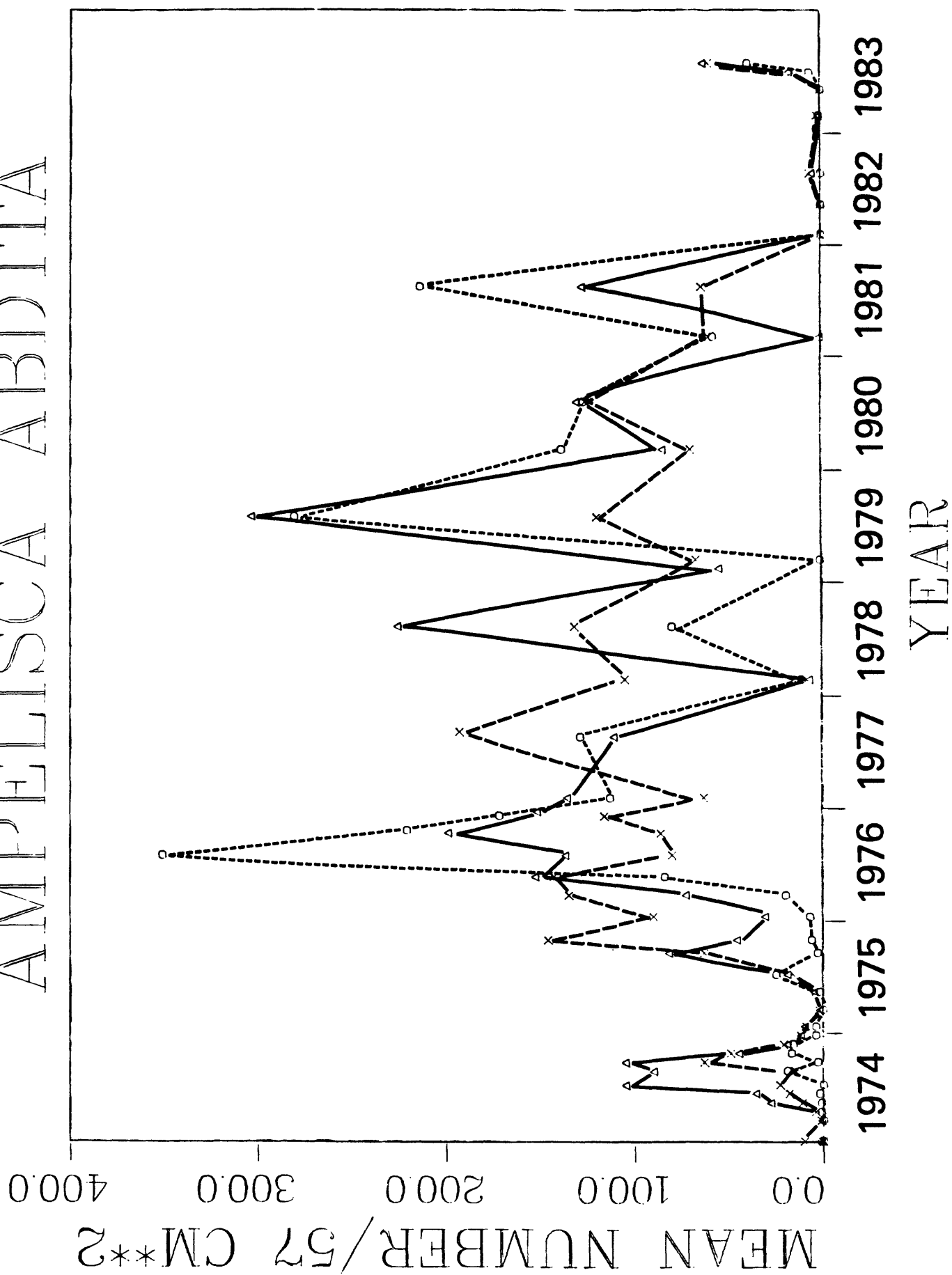
Figures 2-25. Density plots at all stations for major species sampled with the 8.5 cm diameter core from February 1974 through August 1983. Figures are in alphabetical order by species name.

----- Station 45

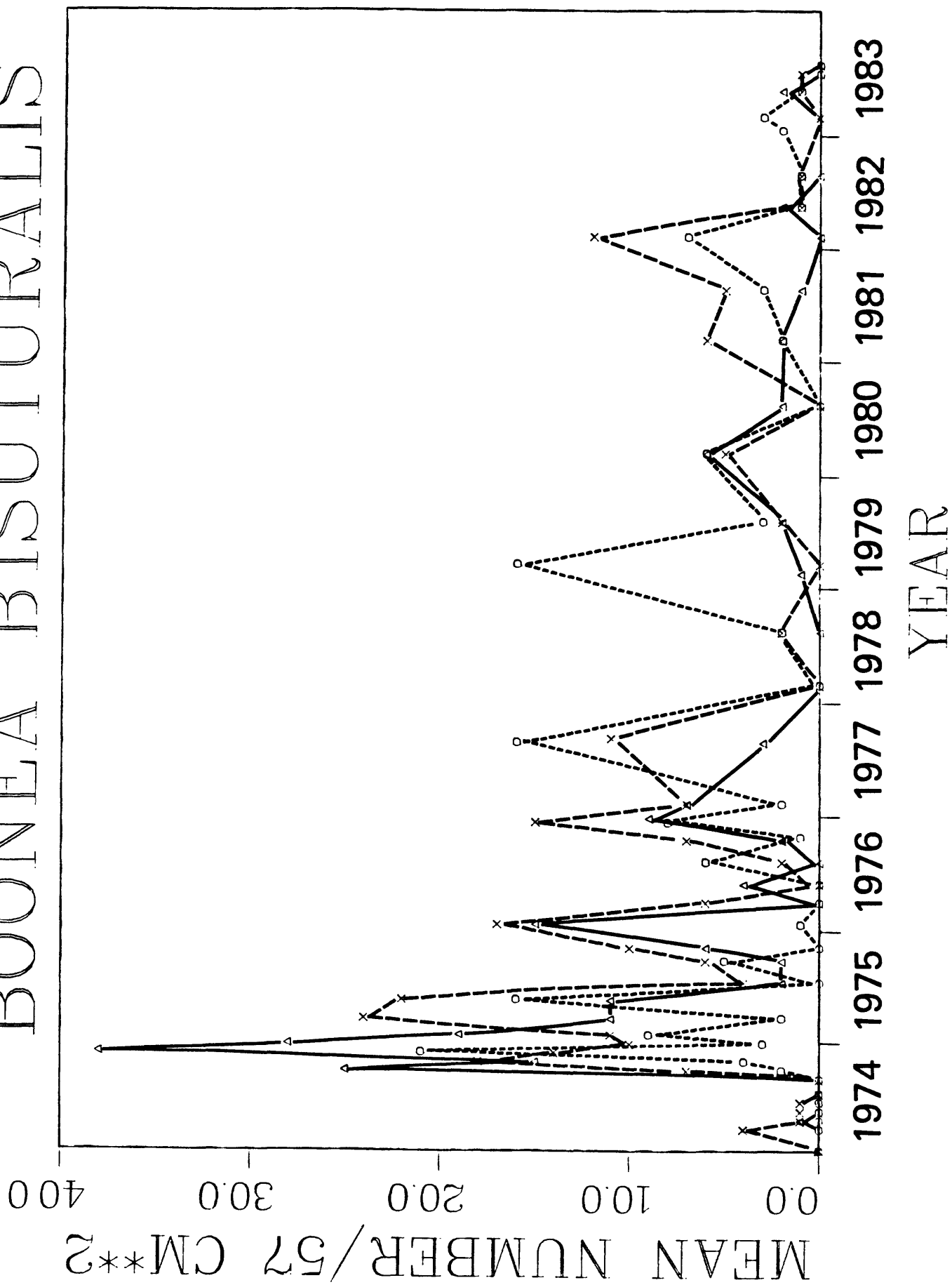
———— Station 46

---- Station 47

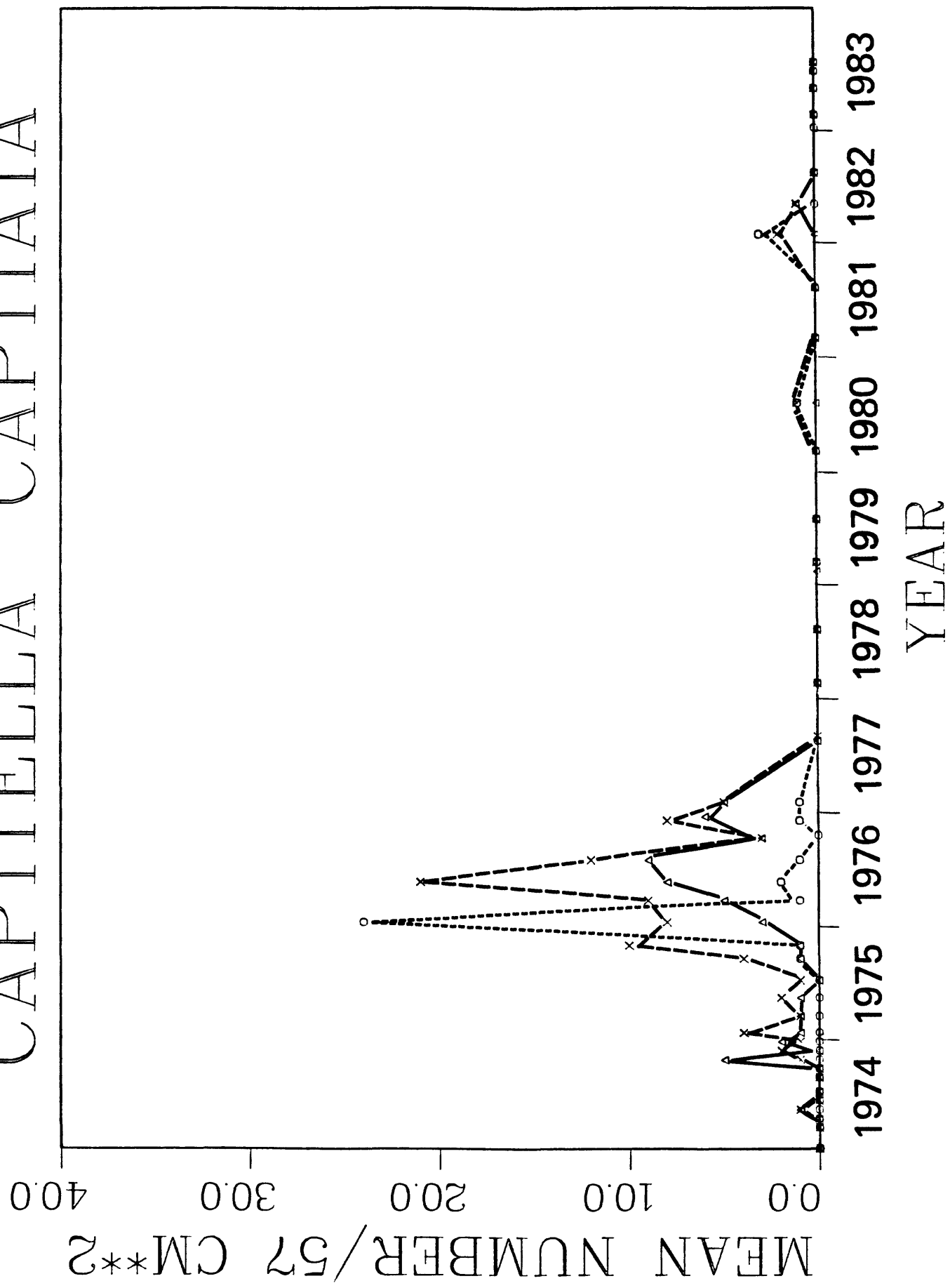
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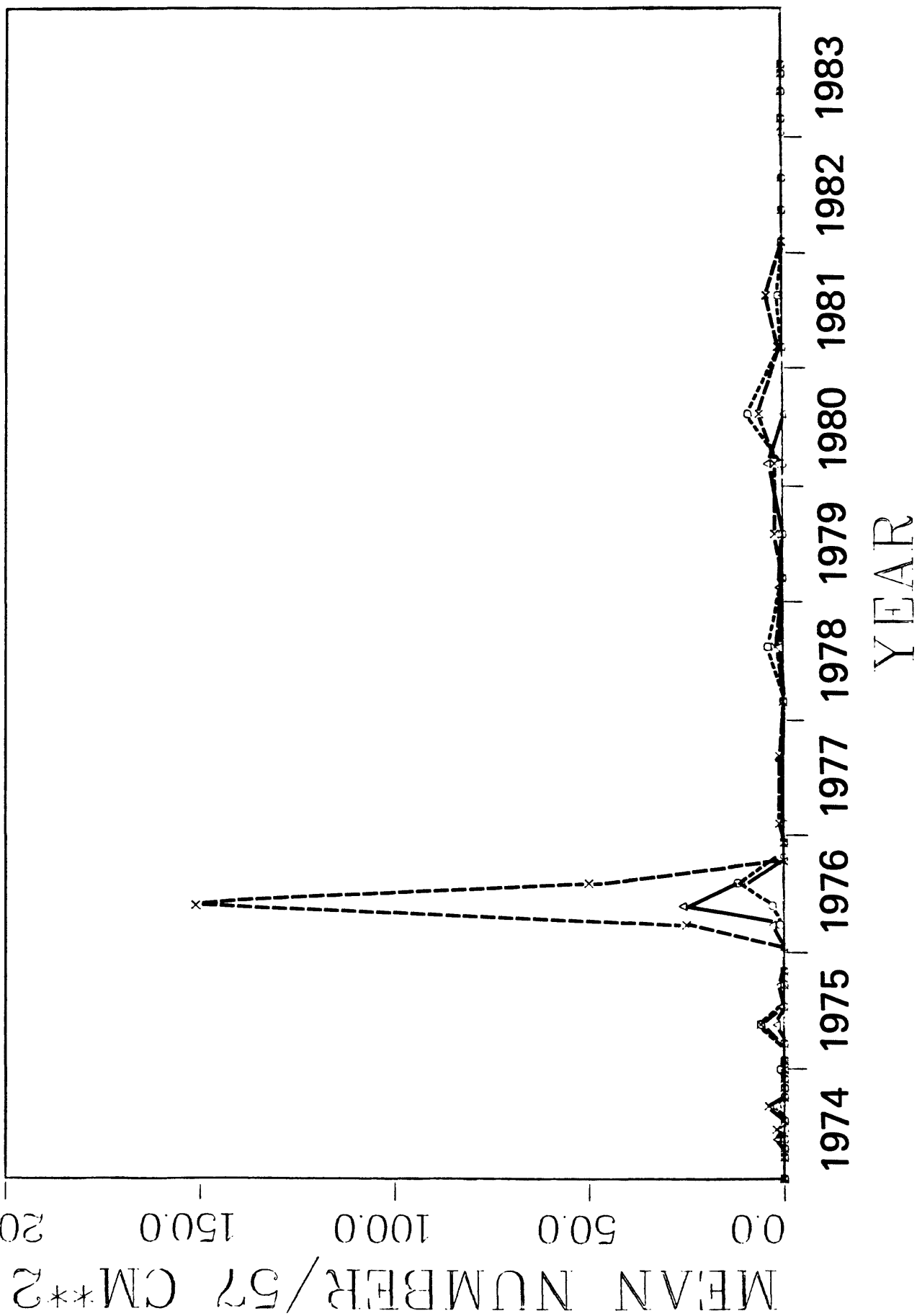
BOONEA BISUTURALIS



CAPITELLA 'CAPITATA'



COROPHIUM ACHERUSICUM



COROPHIUM INSIDIOSUM

10.0

8.0

6.0

4.0

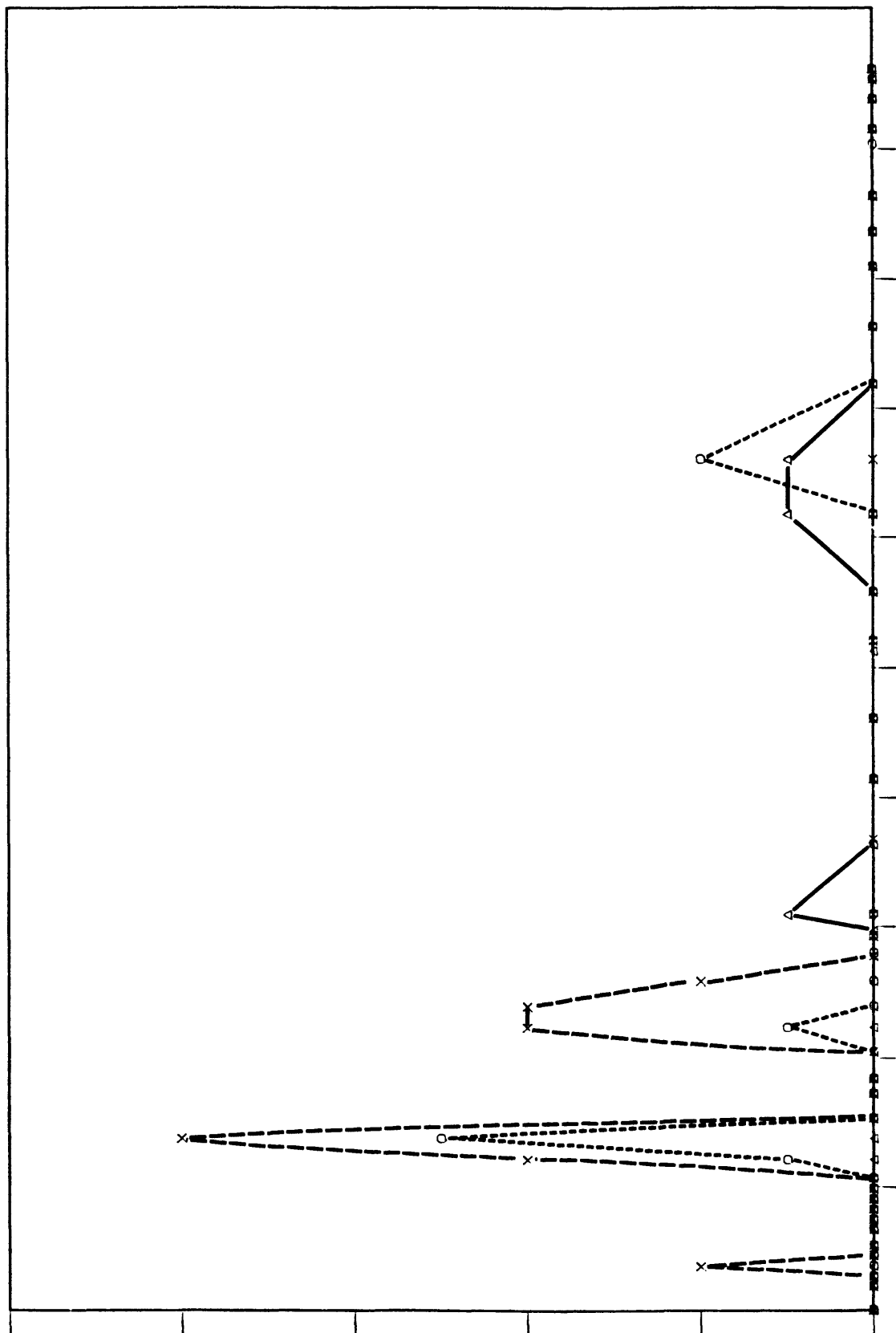
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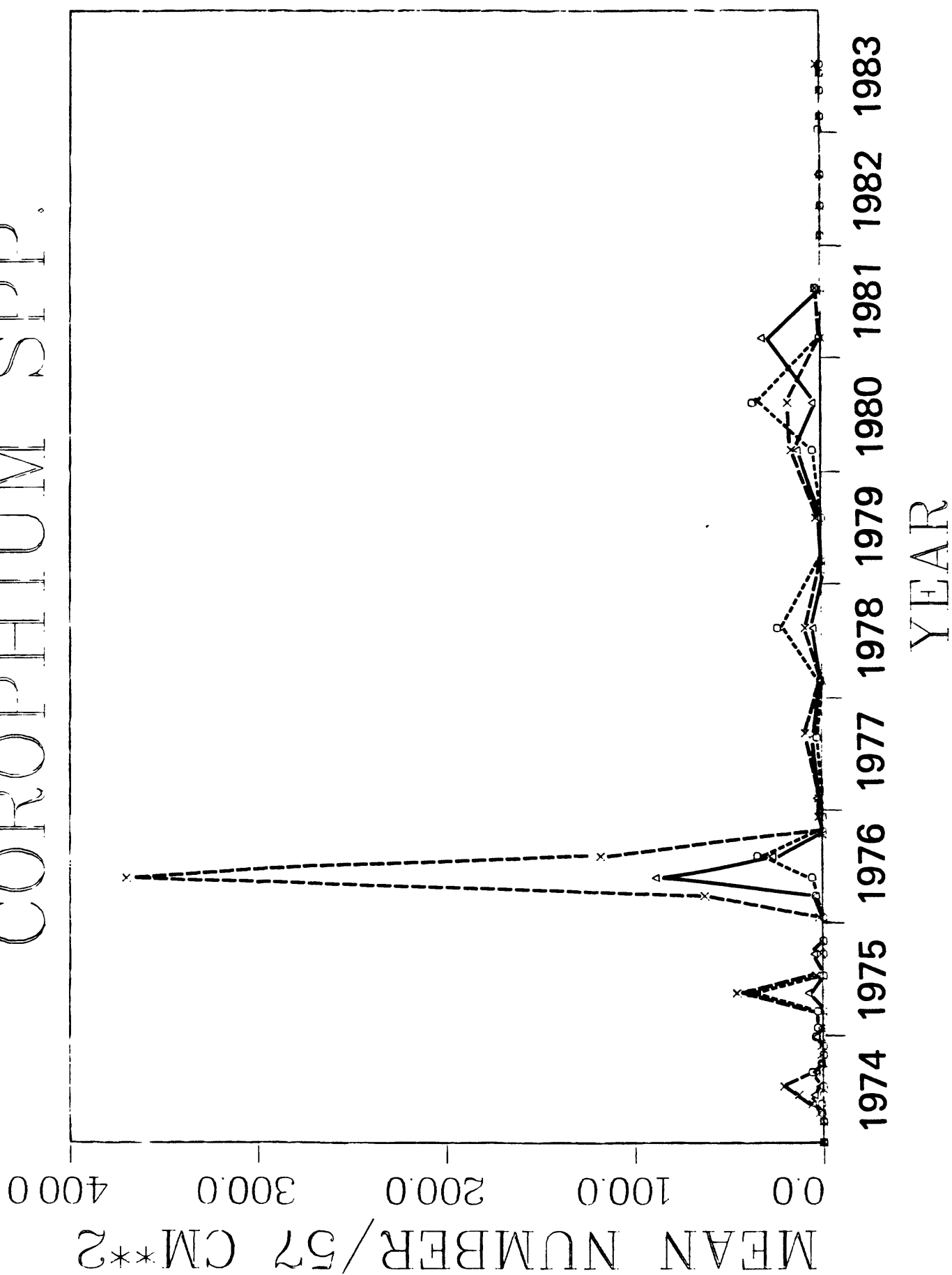
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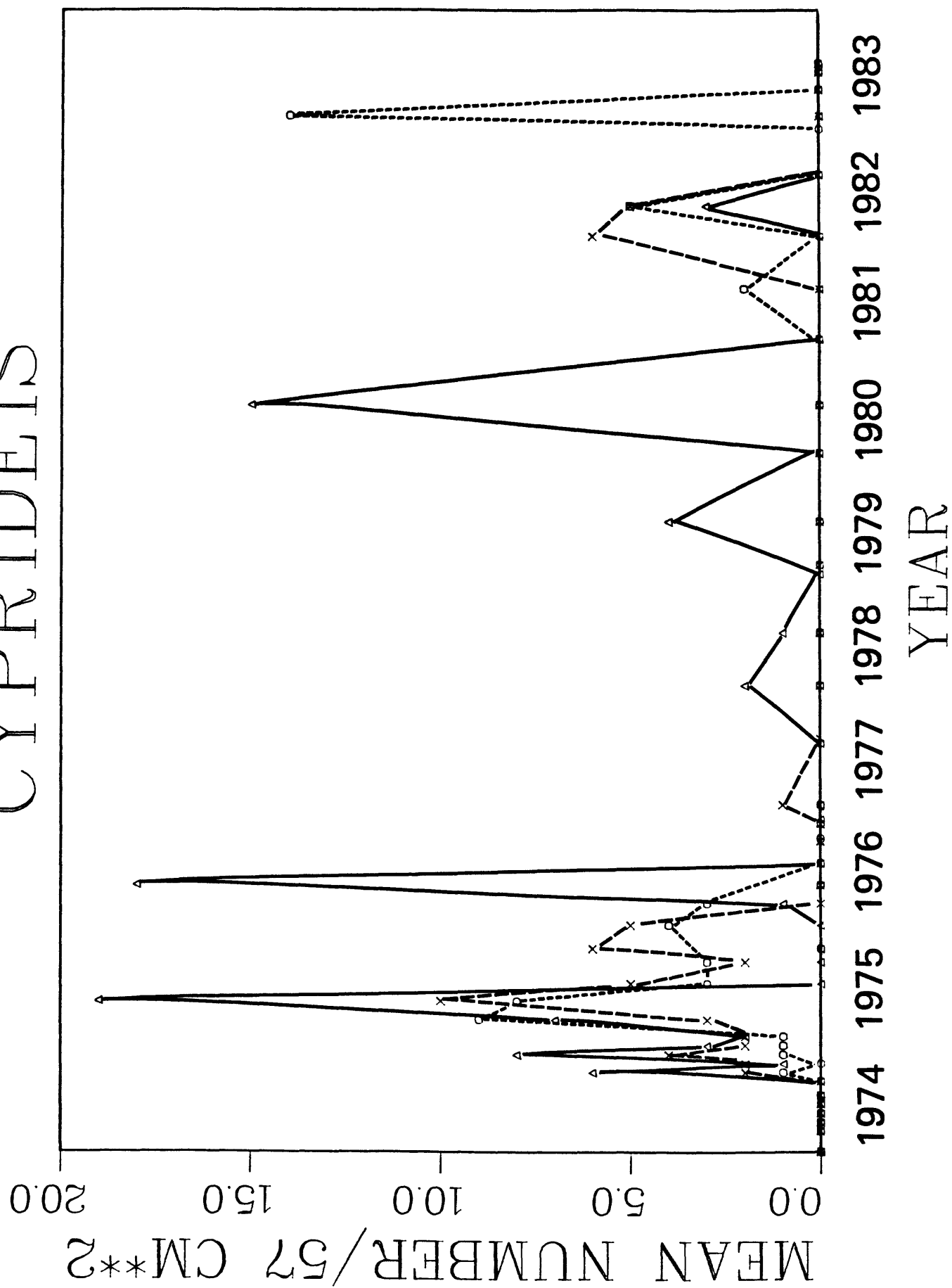
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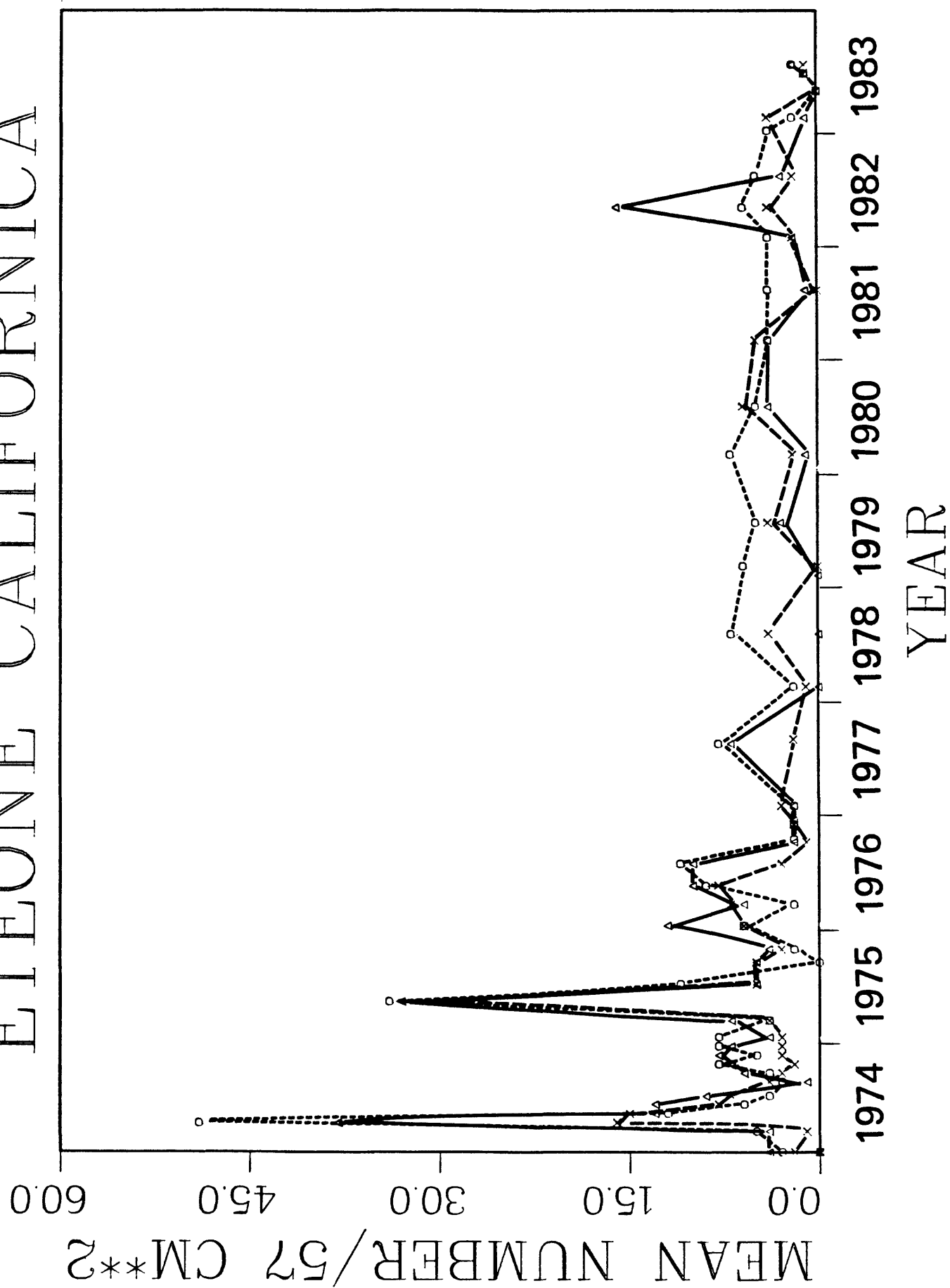
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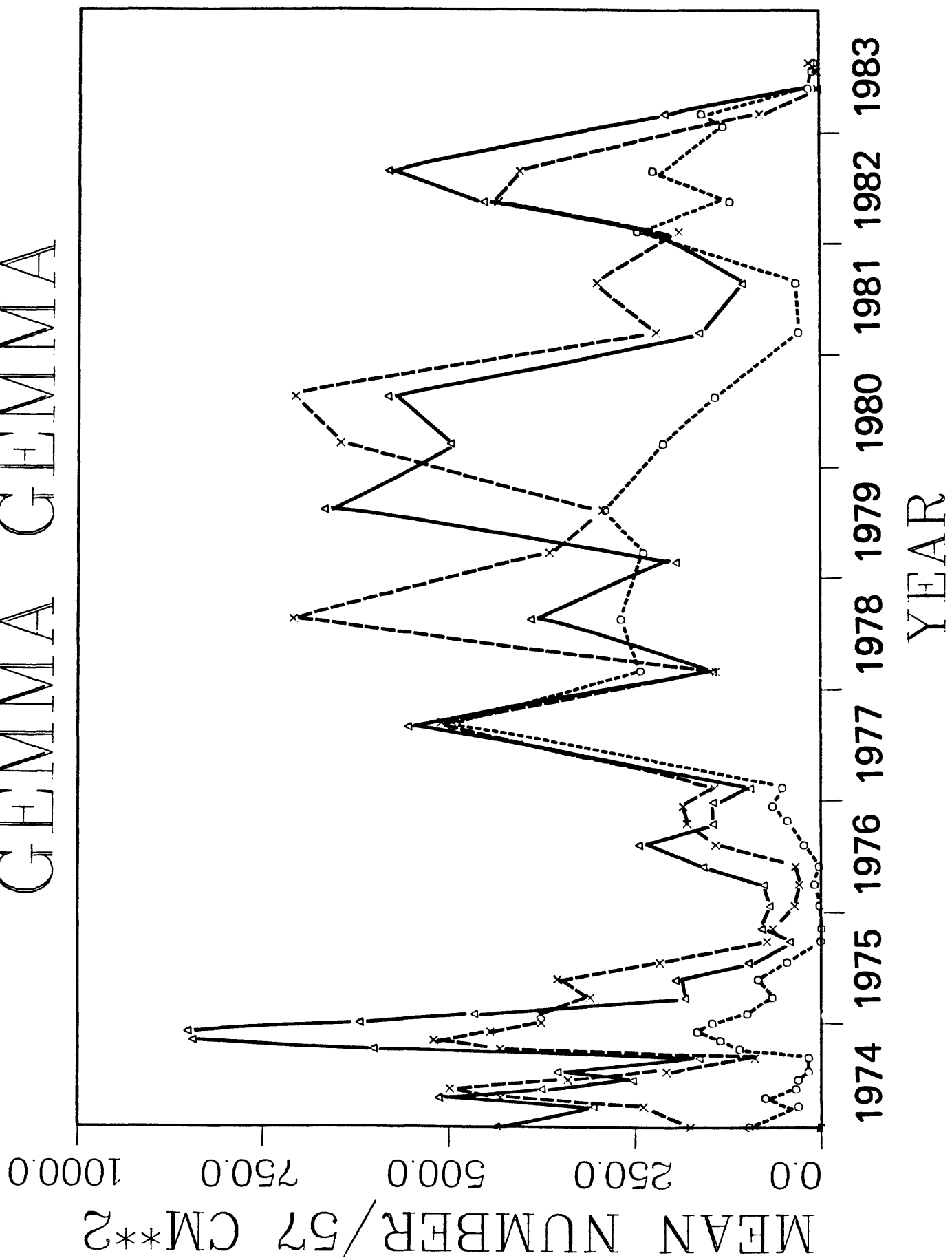
CYPRIDEIS



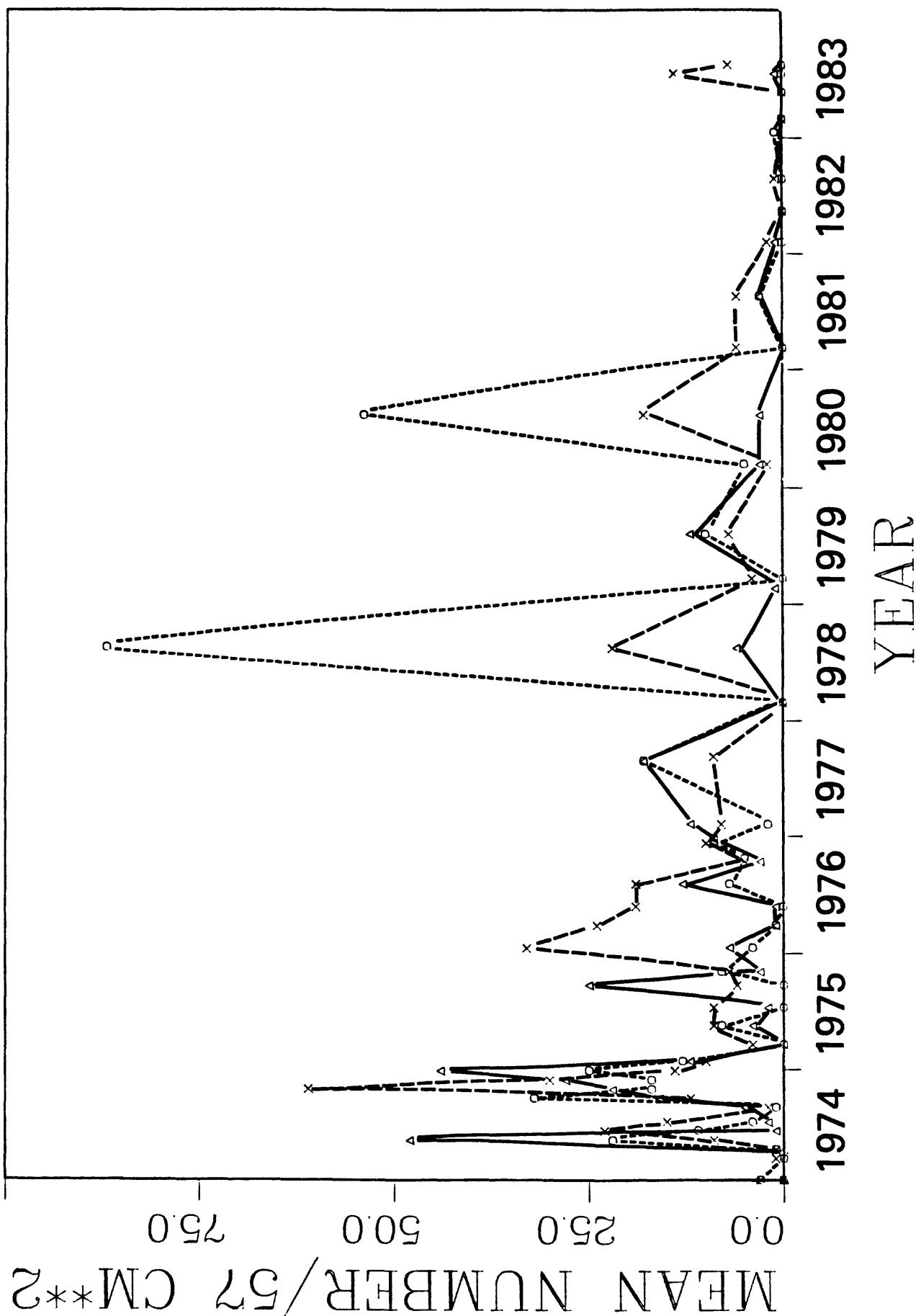
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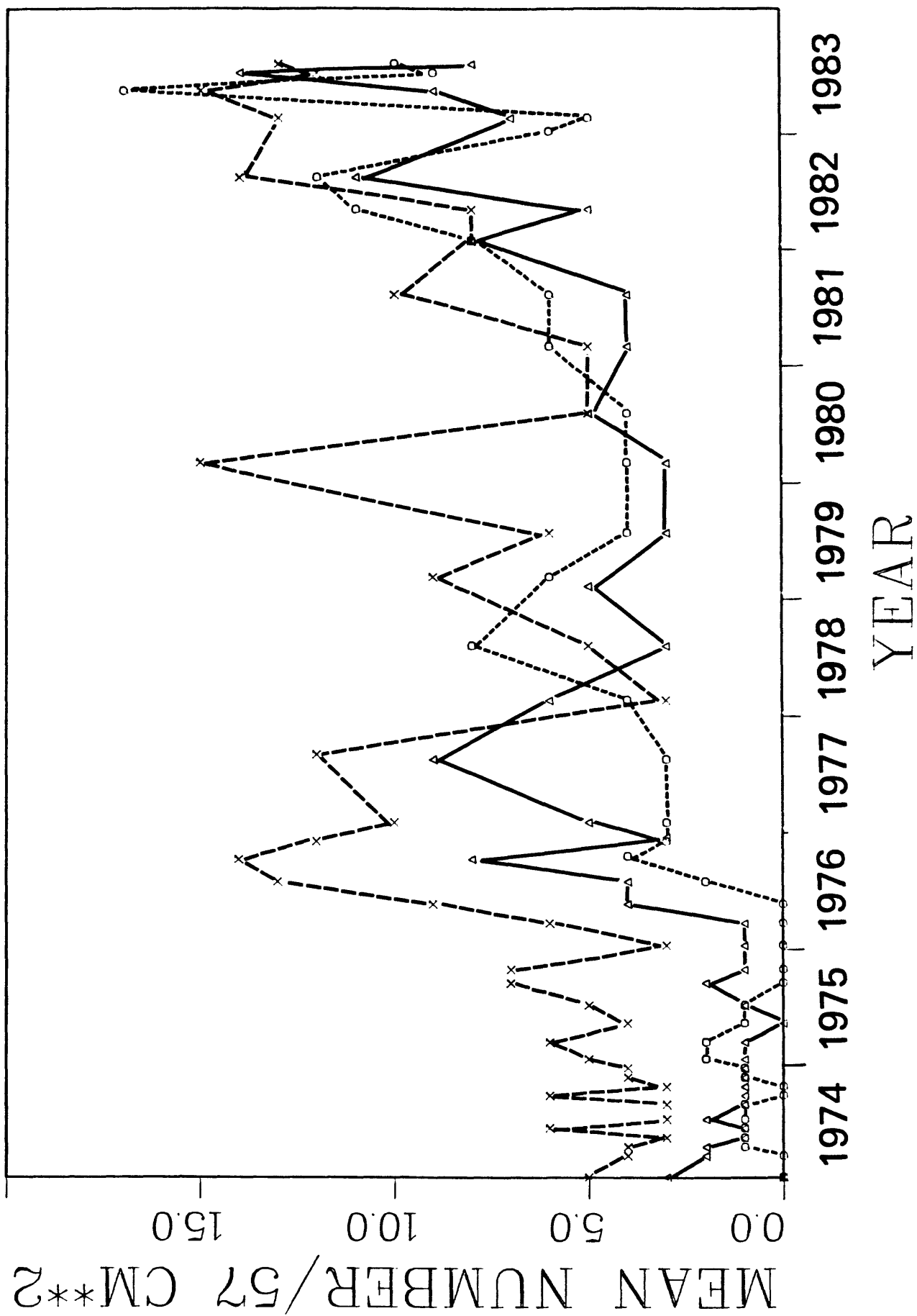
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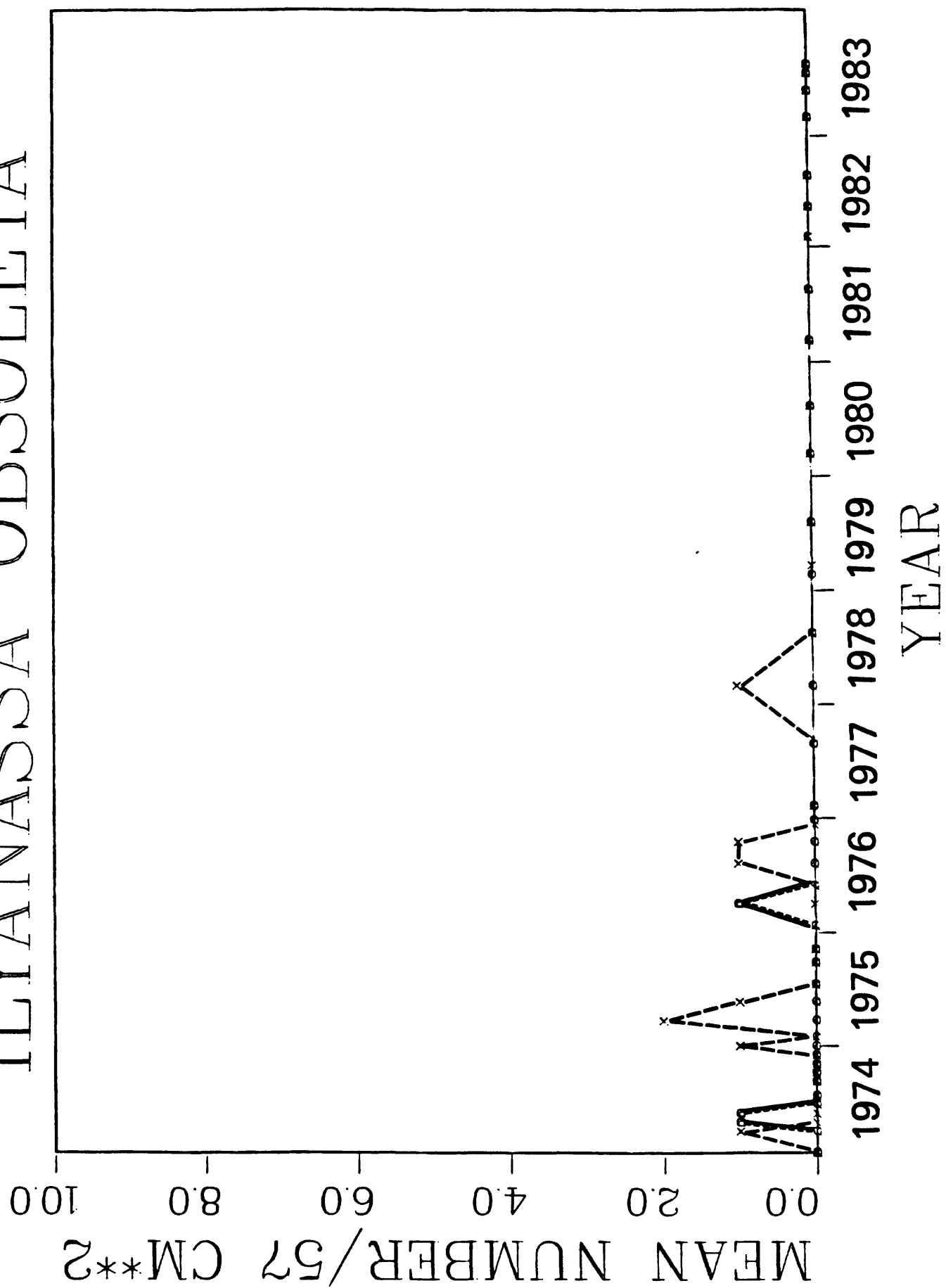
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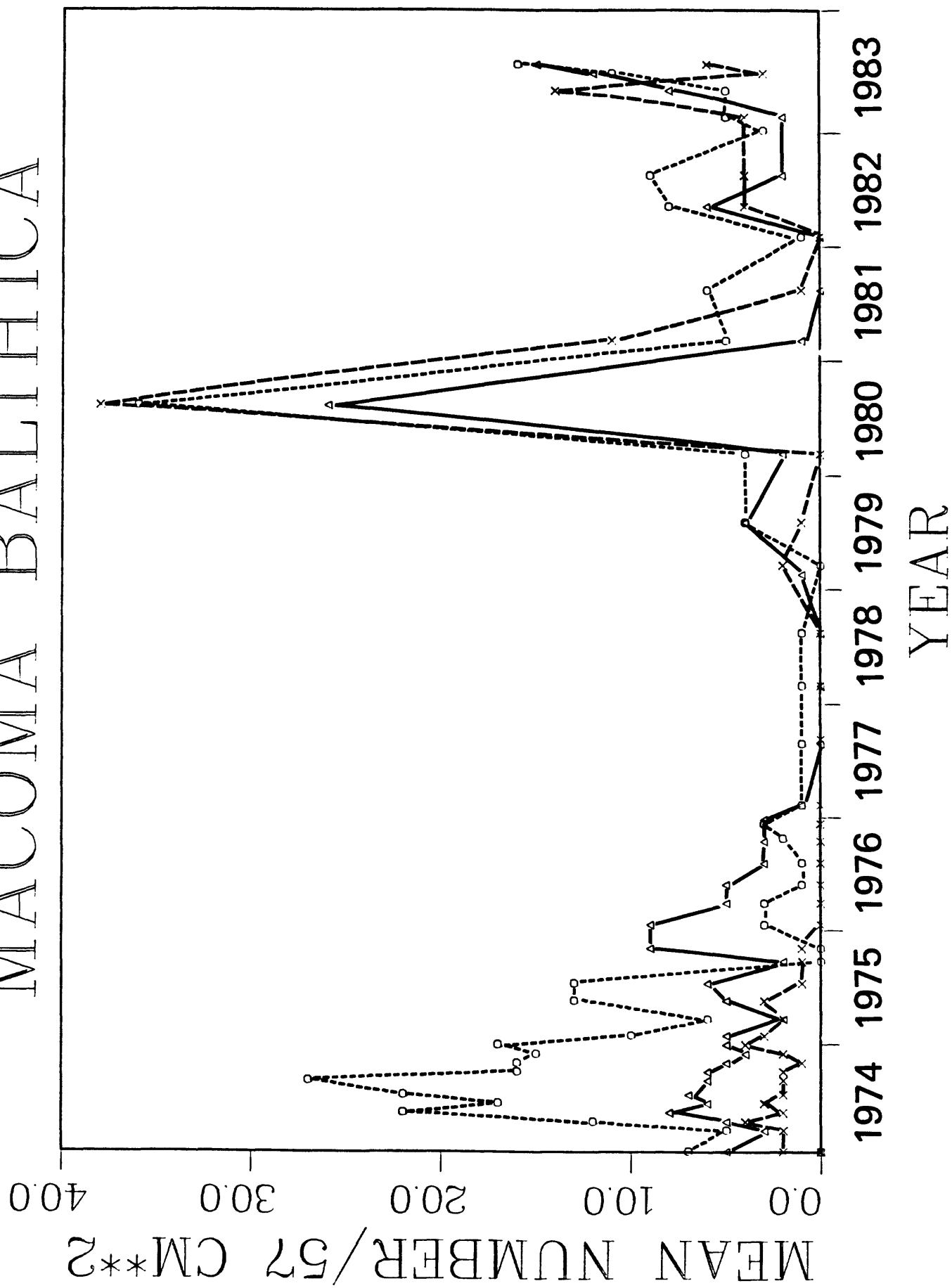
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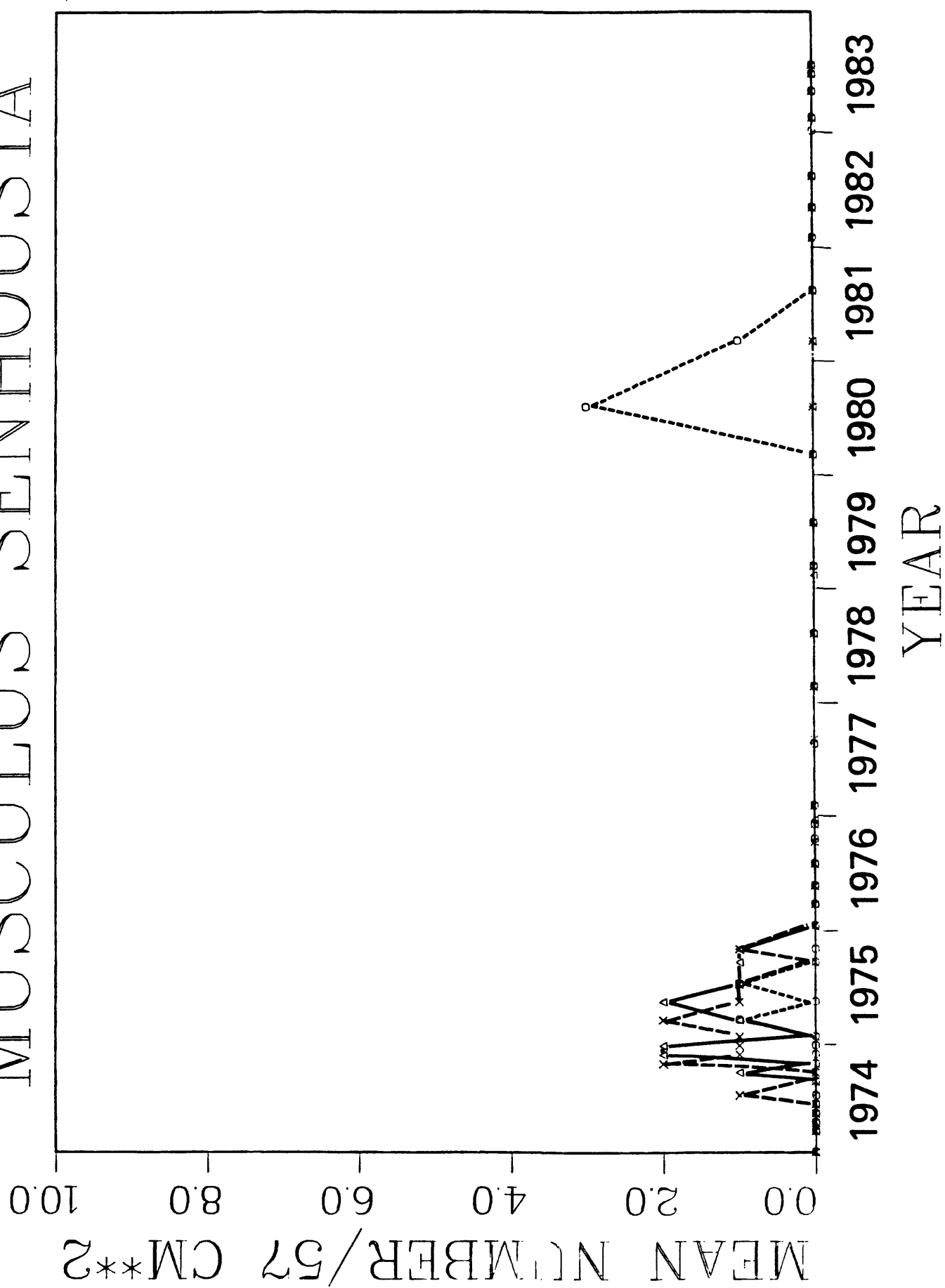
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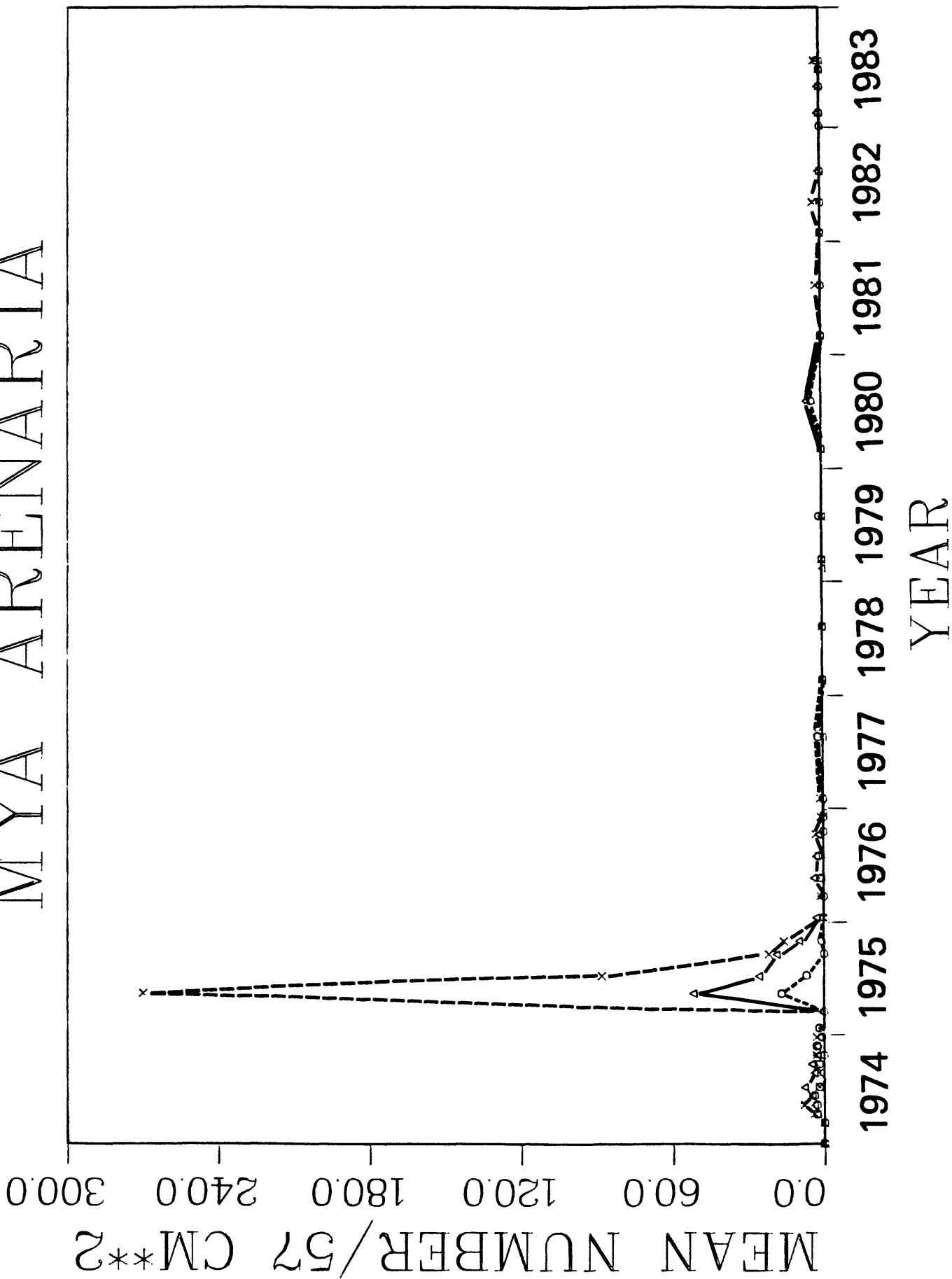
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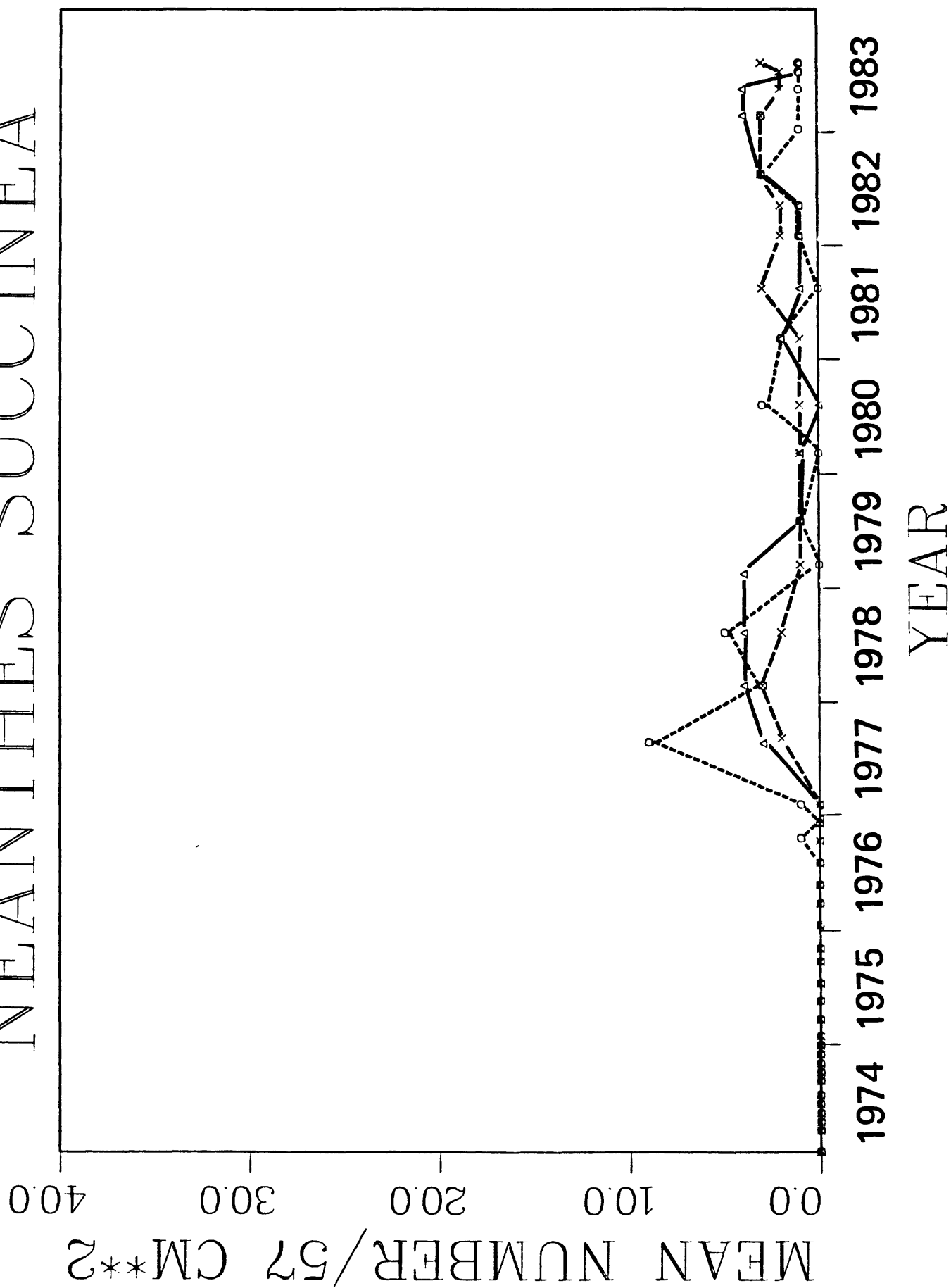
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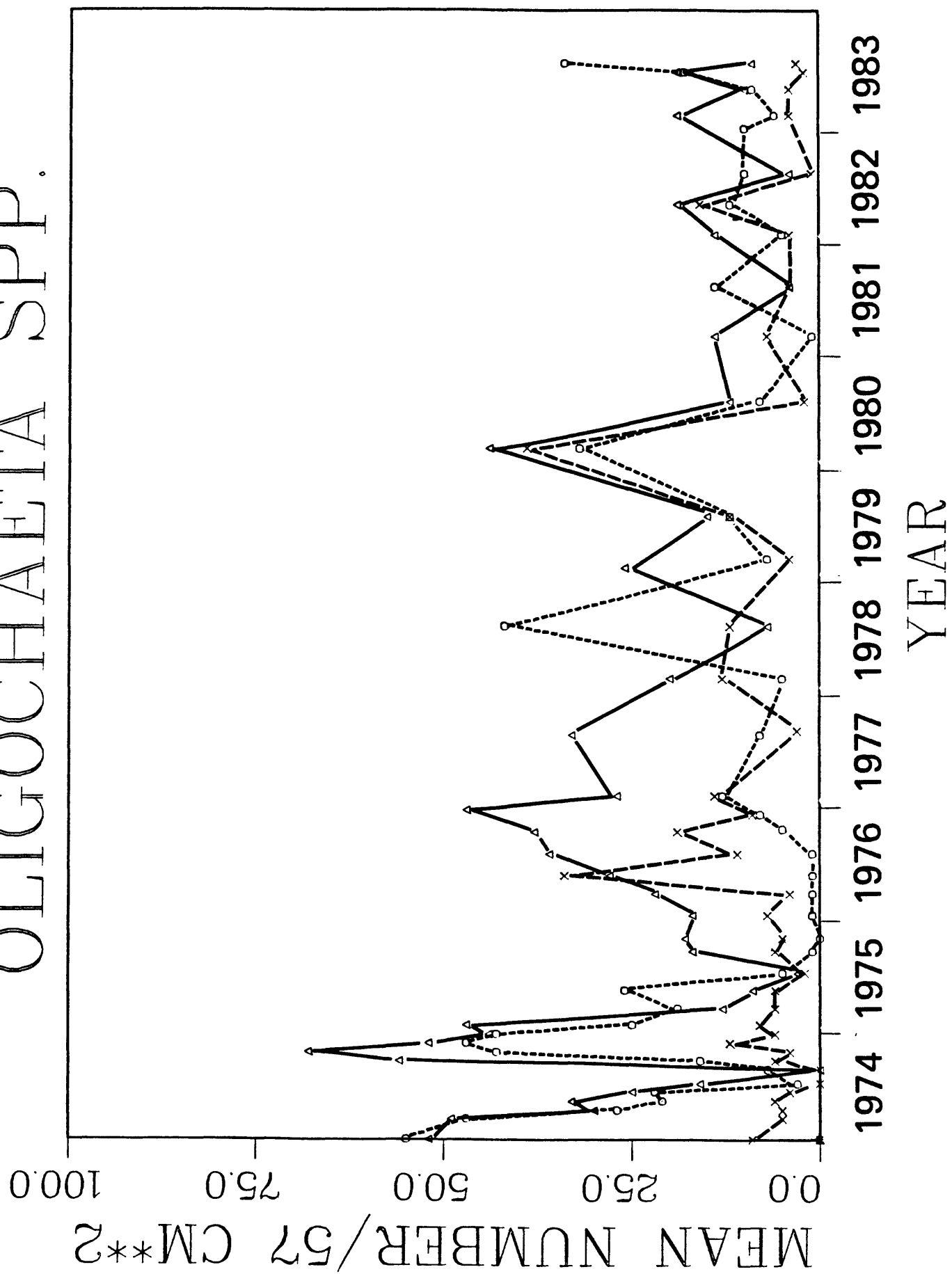
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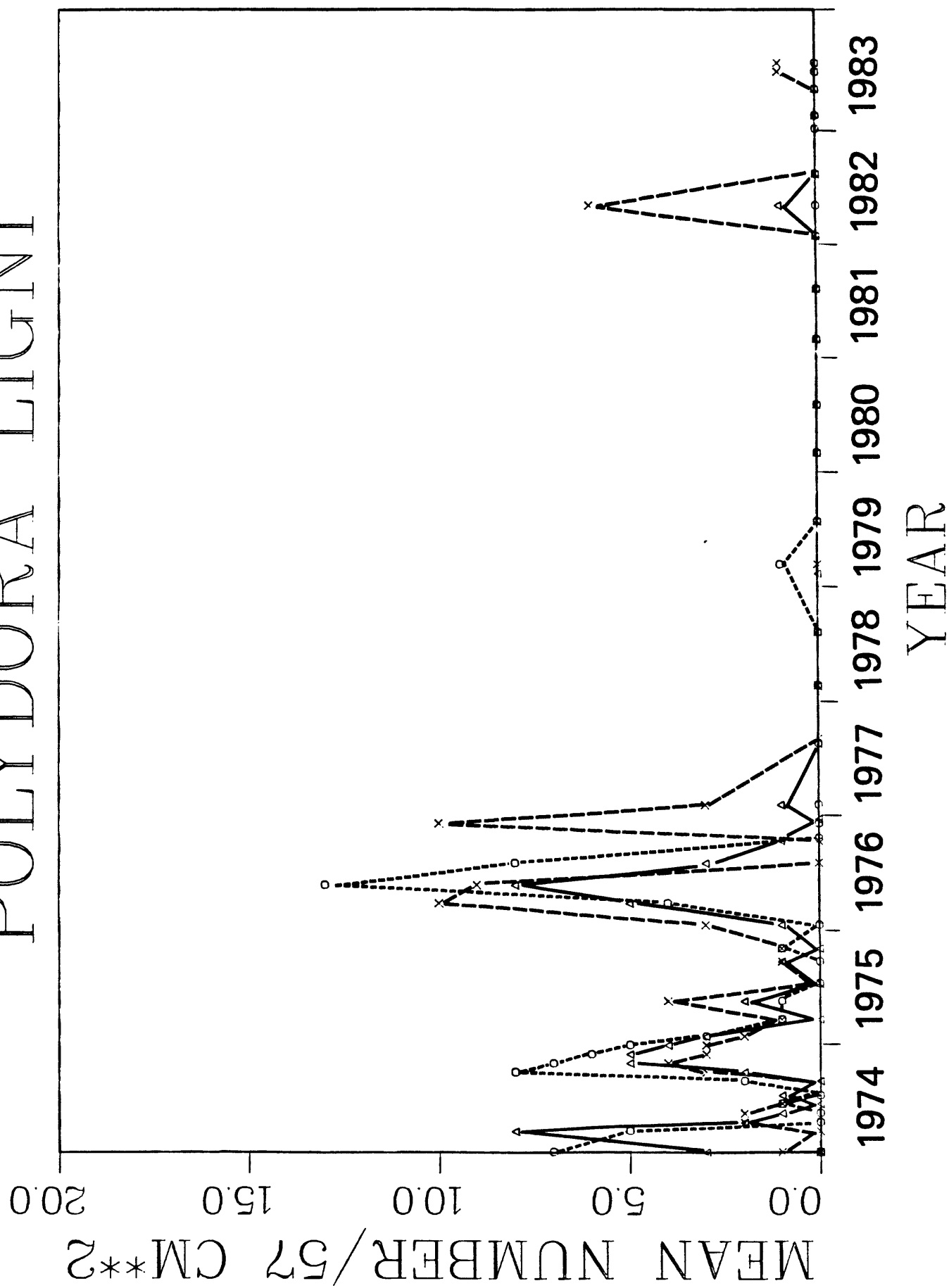
NEANTHES SUCCINEA



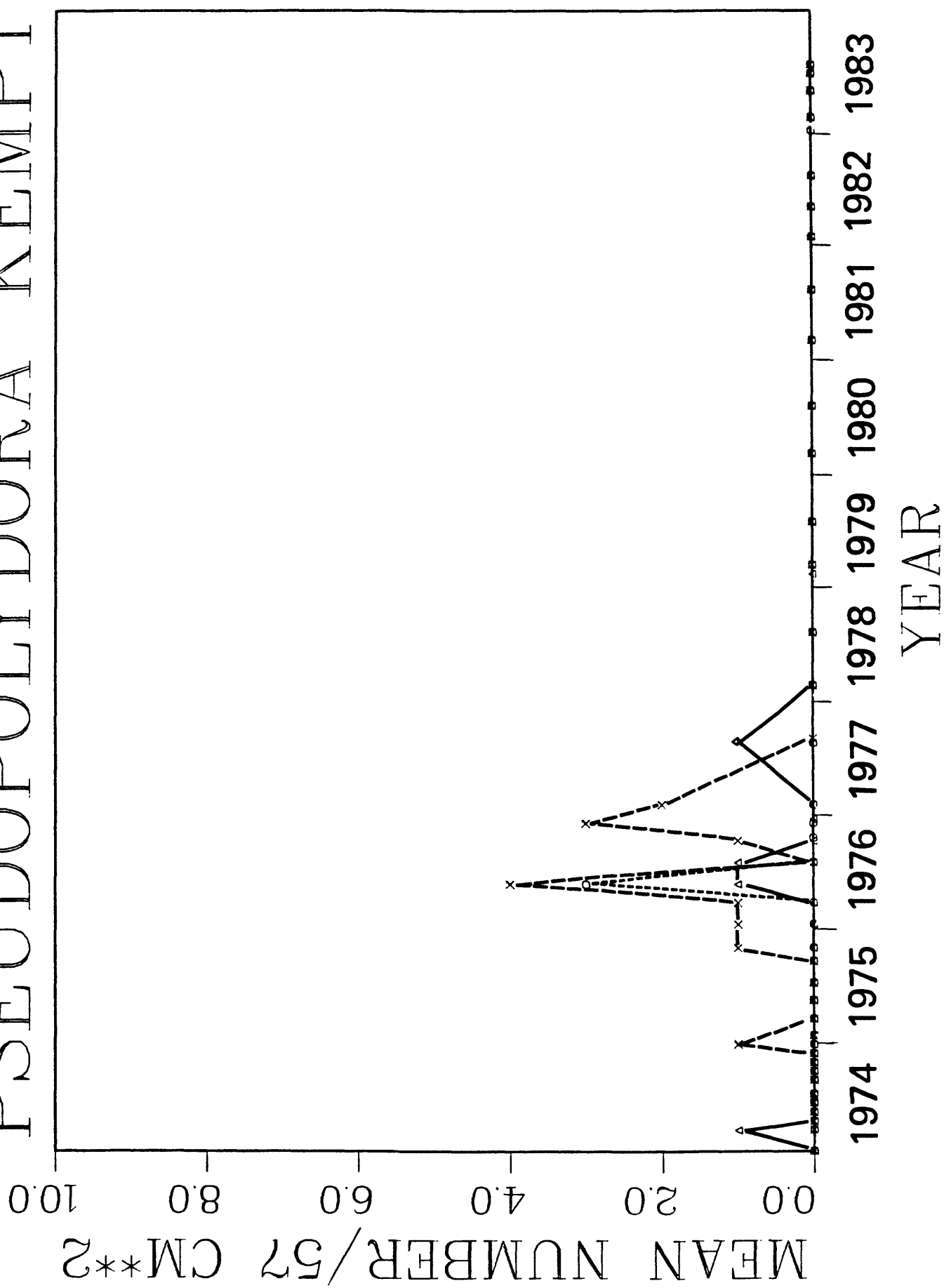
OLIGOCHAETA SPP.



POLYDORA LIGNI



PSEUDOPOLYDORA KEMPI



SARSIELLA ZOSTERICOLA

100.0

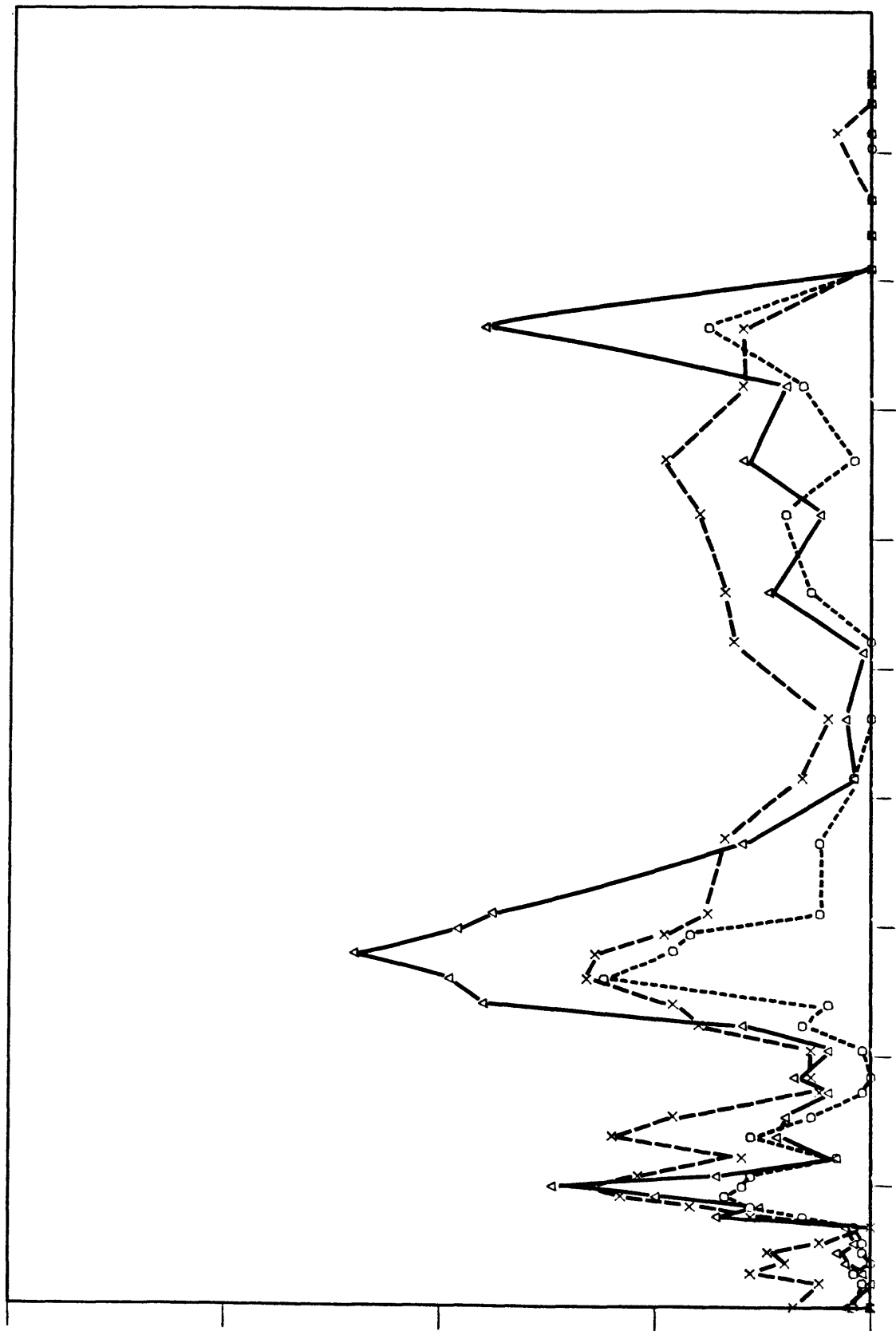
MEAN NUMBER/57 CM**2

75.0

50.0

25.0

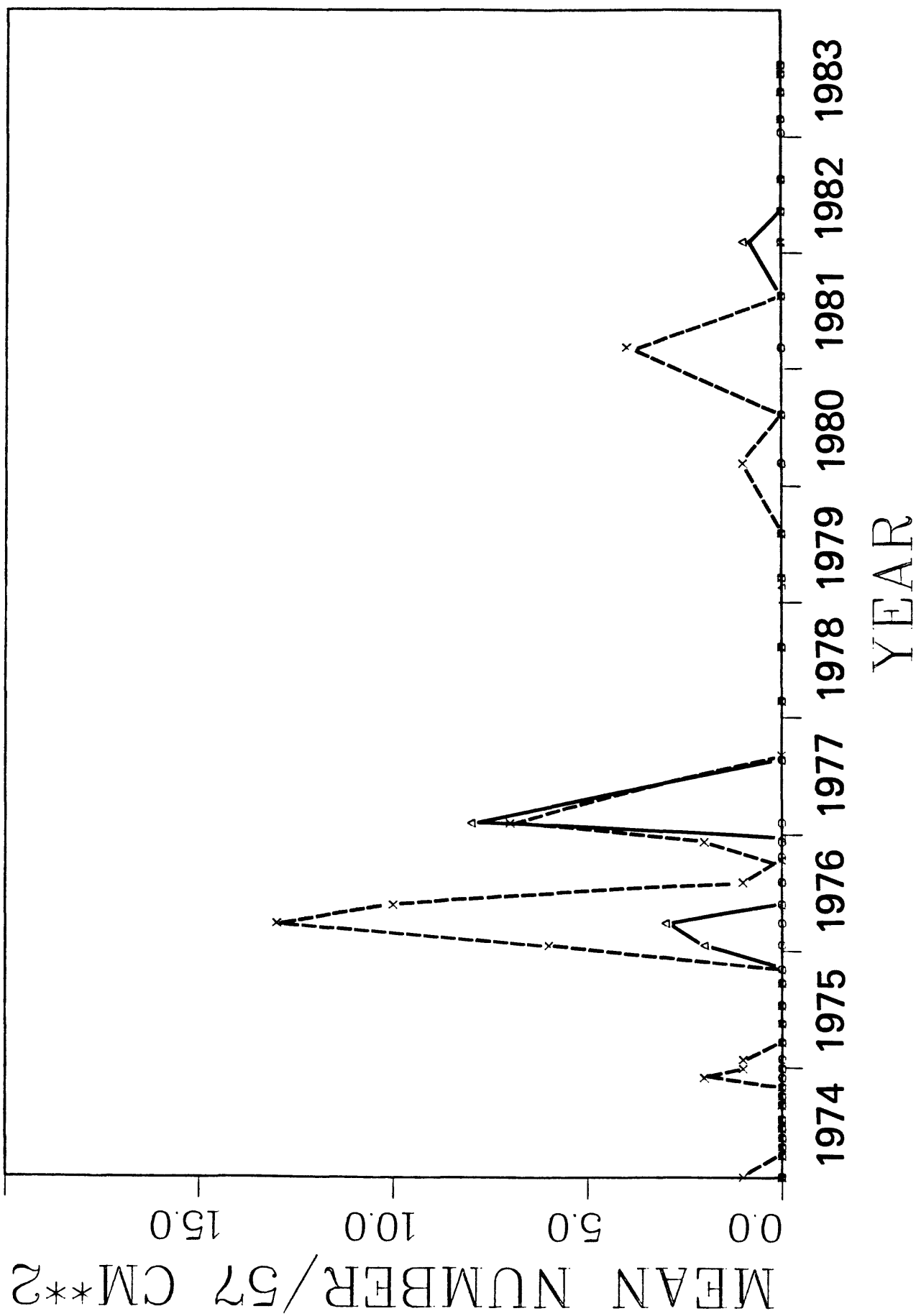
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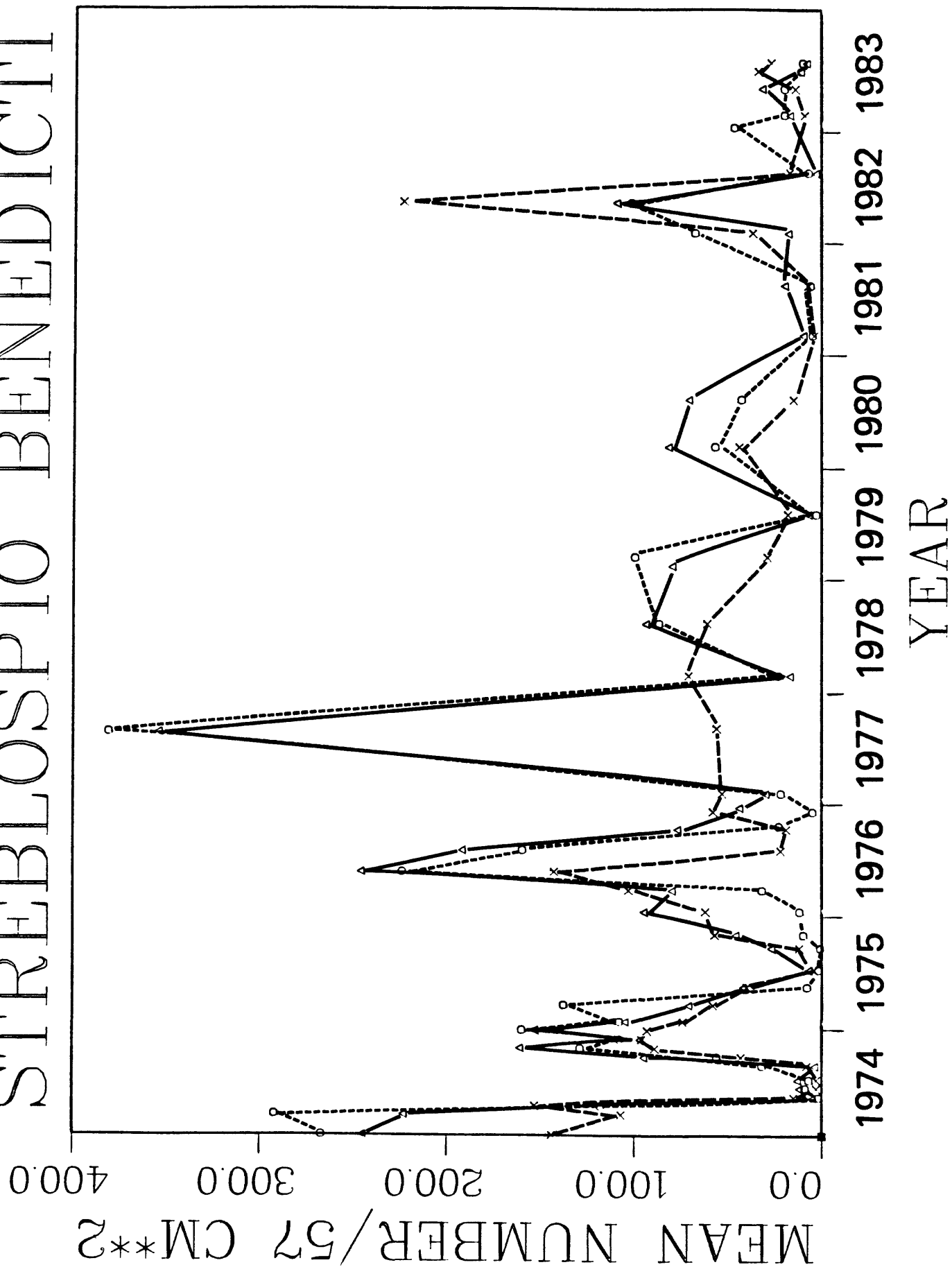
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YEAR

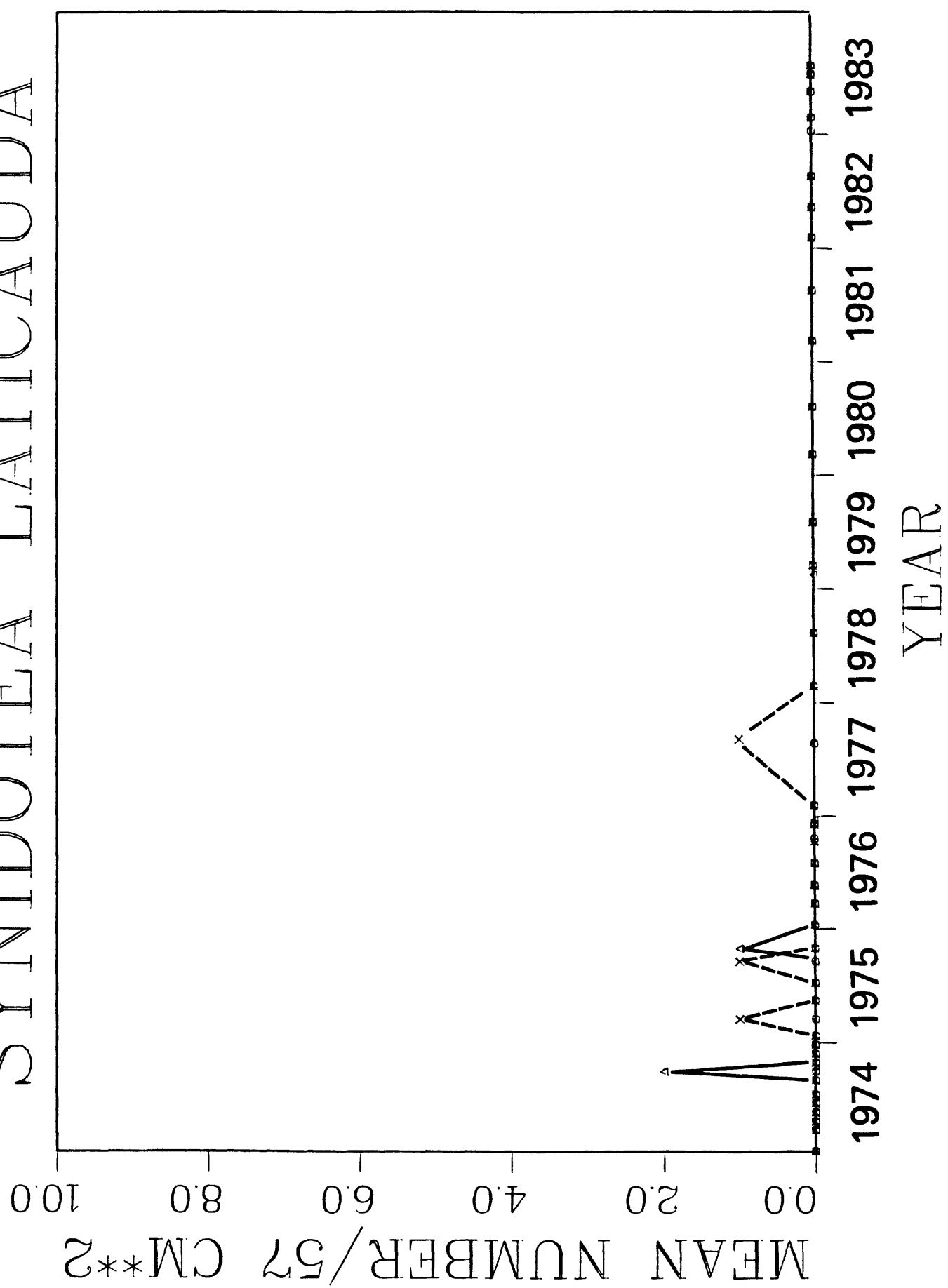
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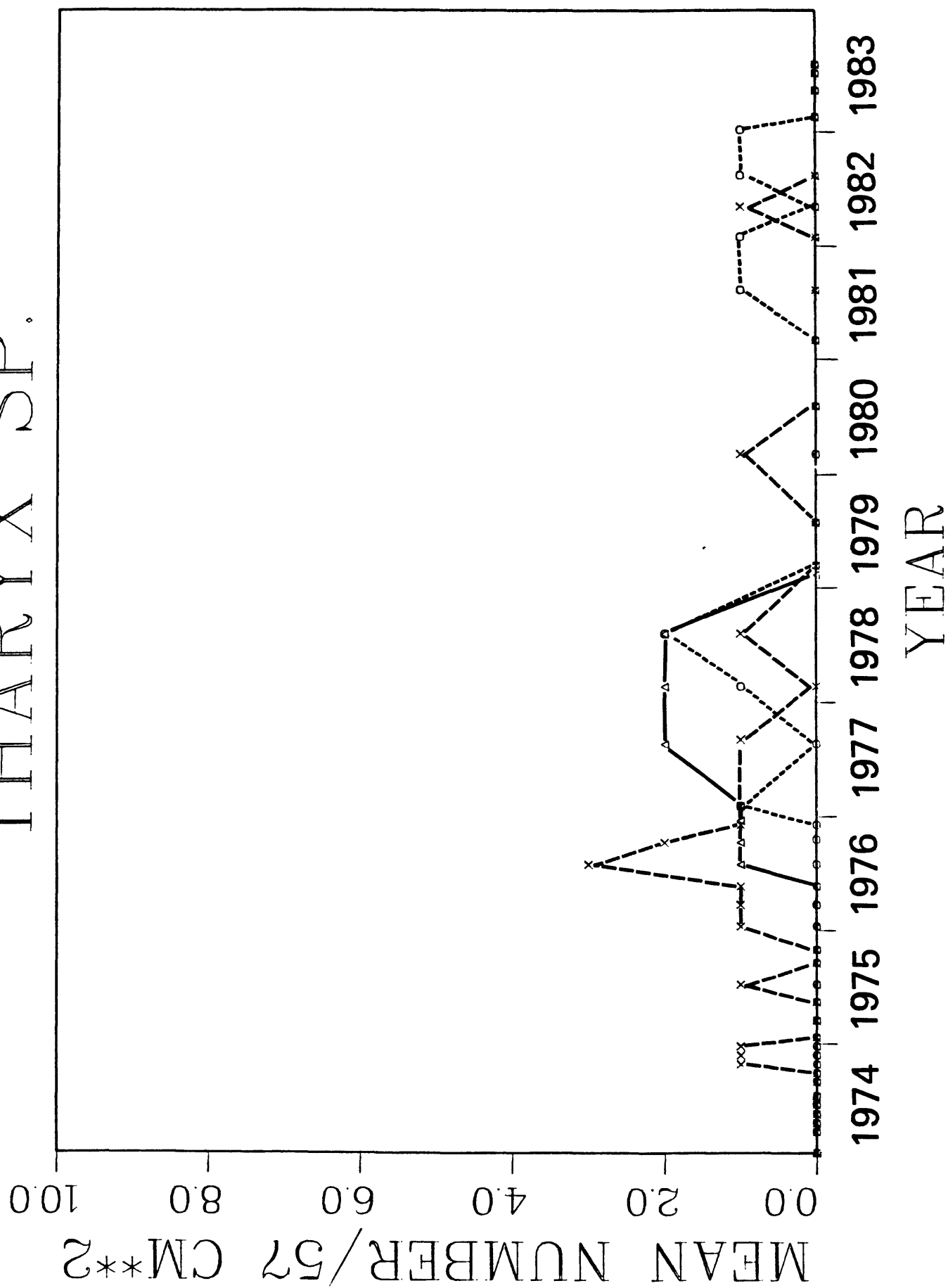
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SYNIDOTEA LATICAUDA

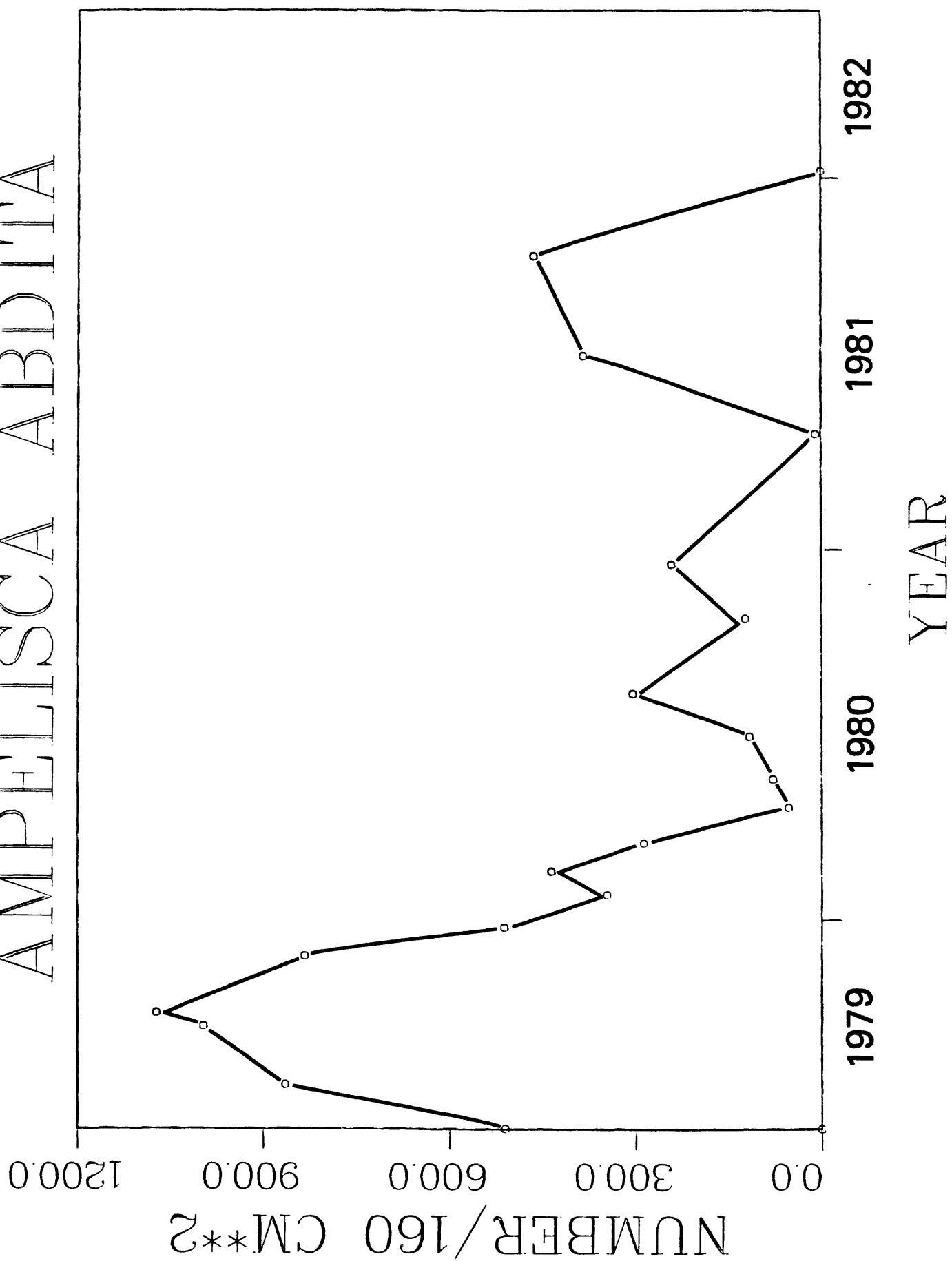


THARYX SP.

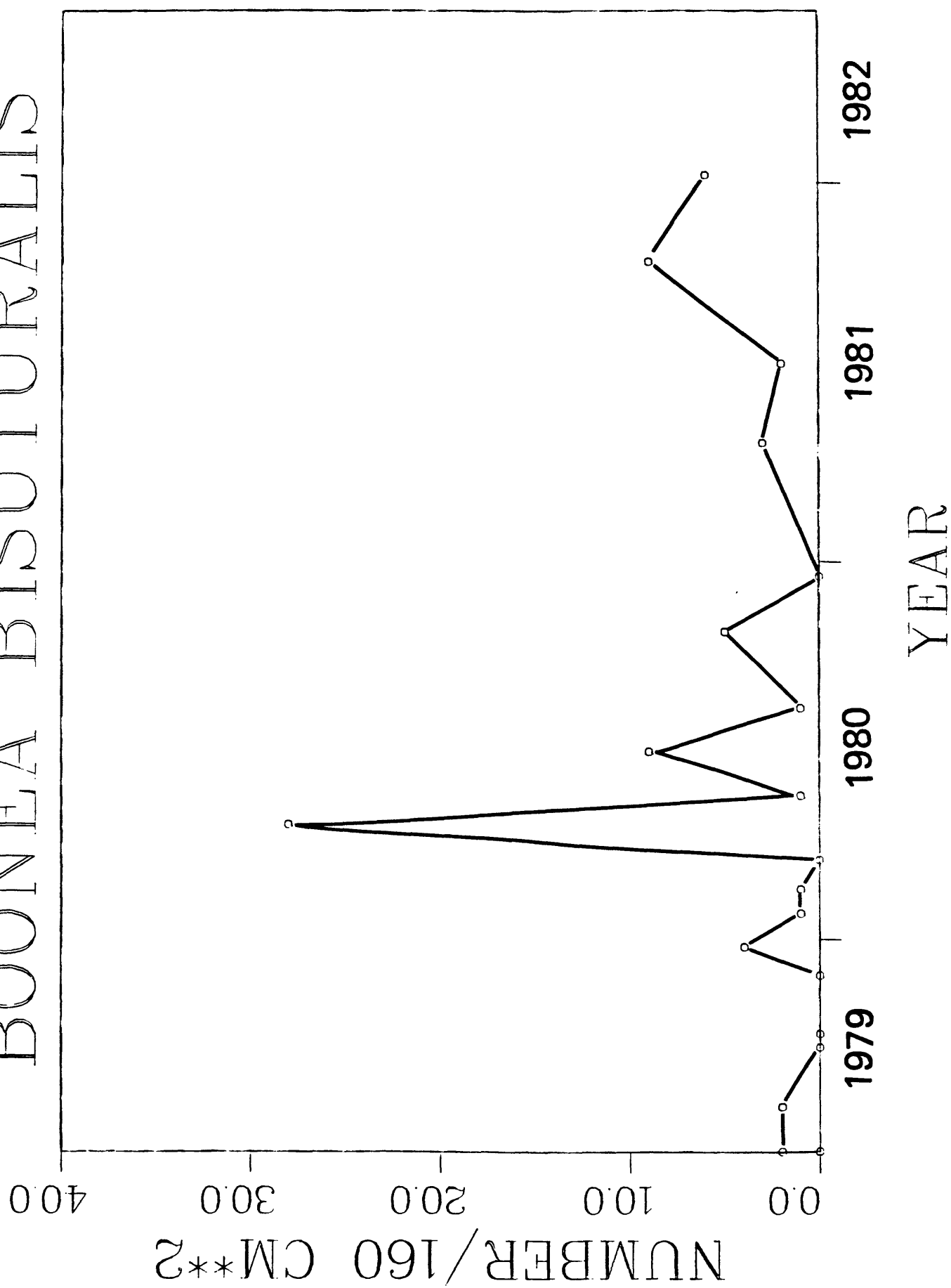


Figures 26-44. Density plots for major species at station 45 collected with a 16x10-cm core from June 1979 through January 1982.

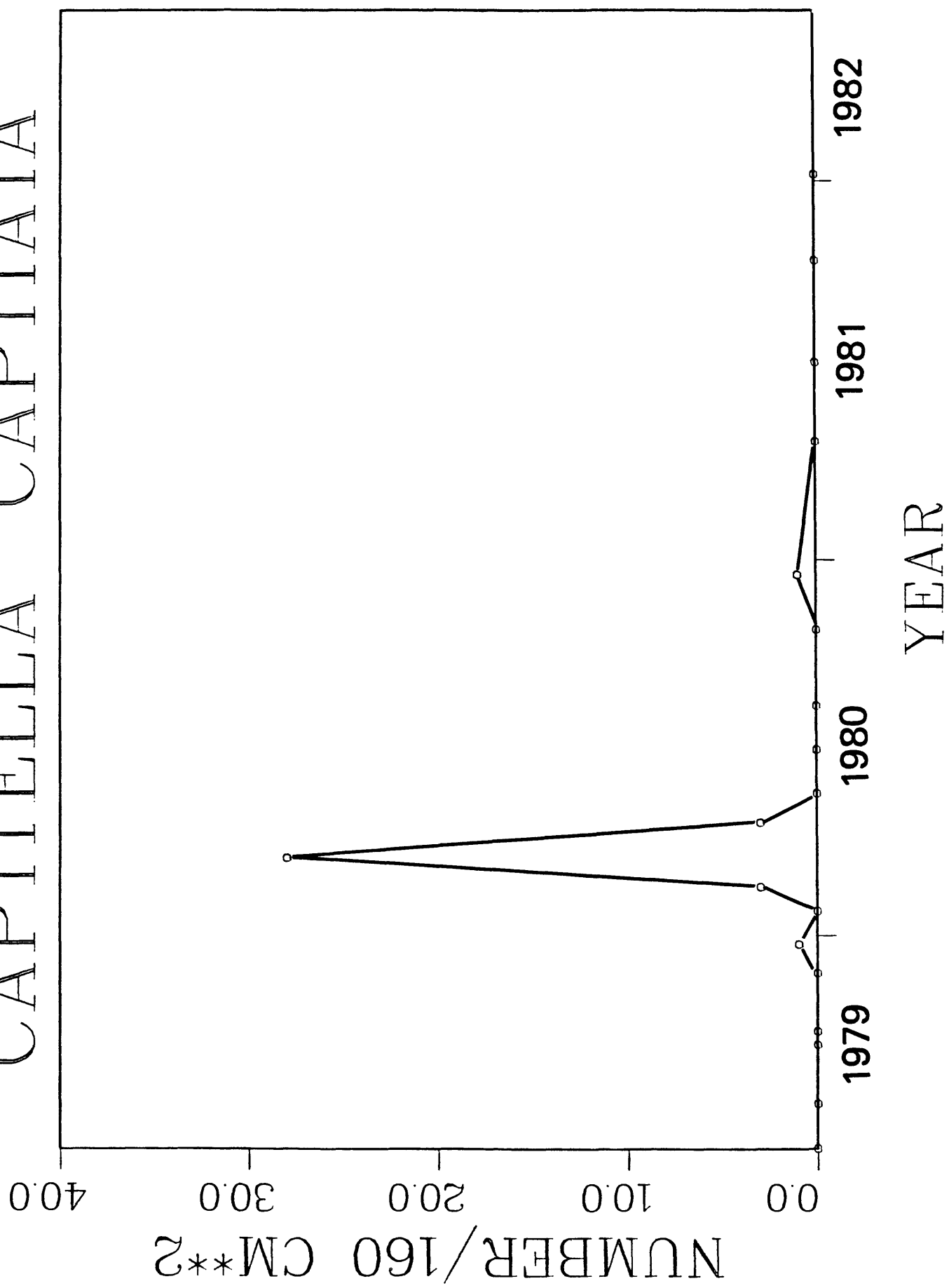
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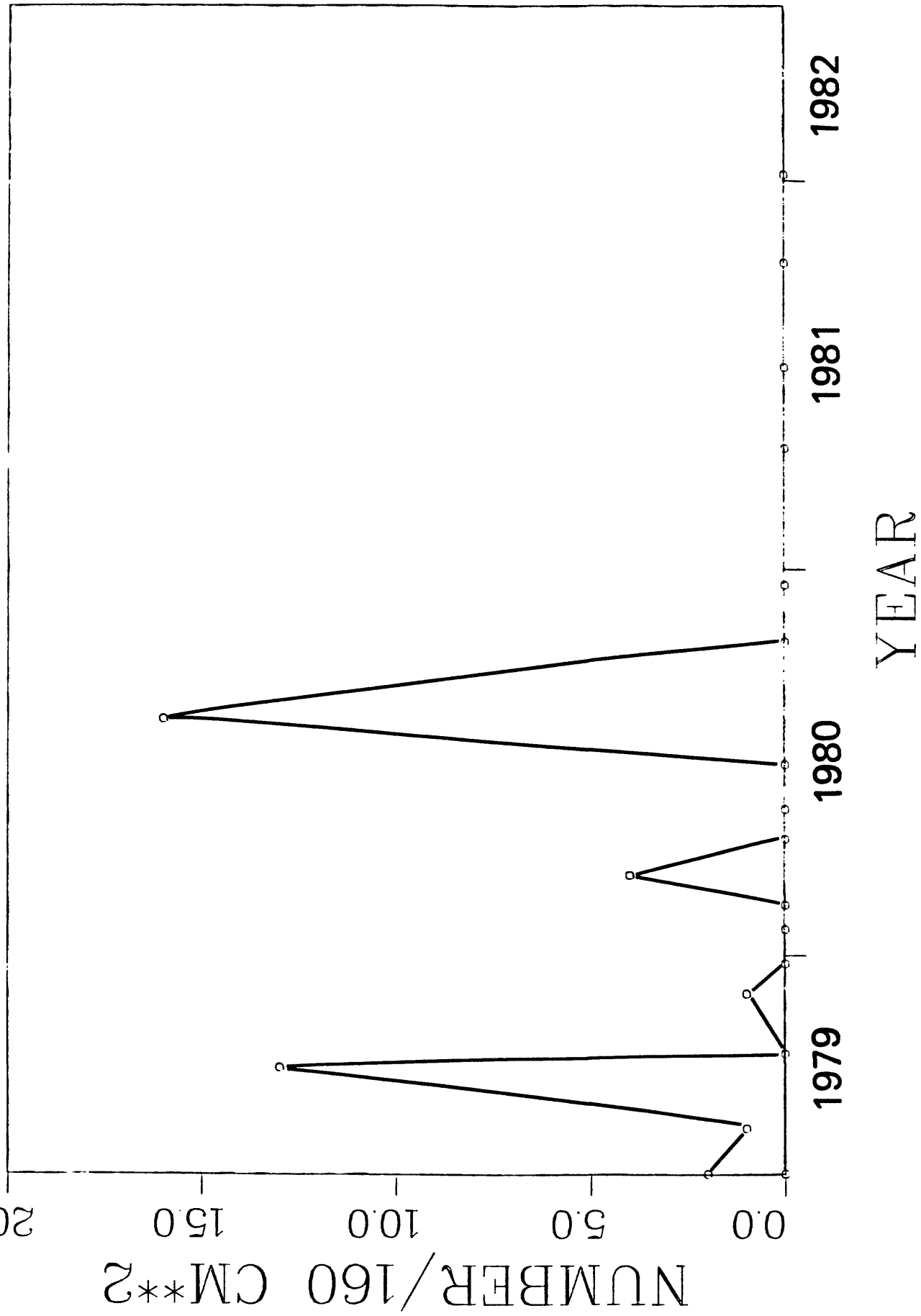
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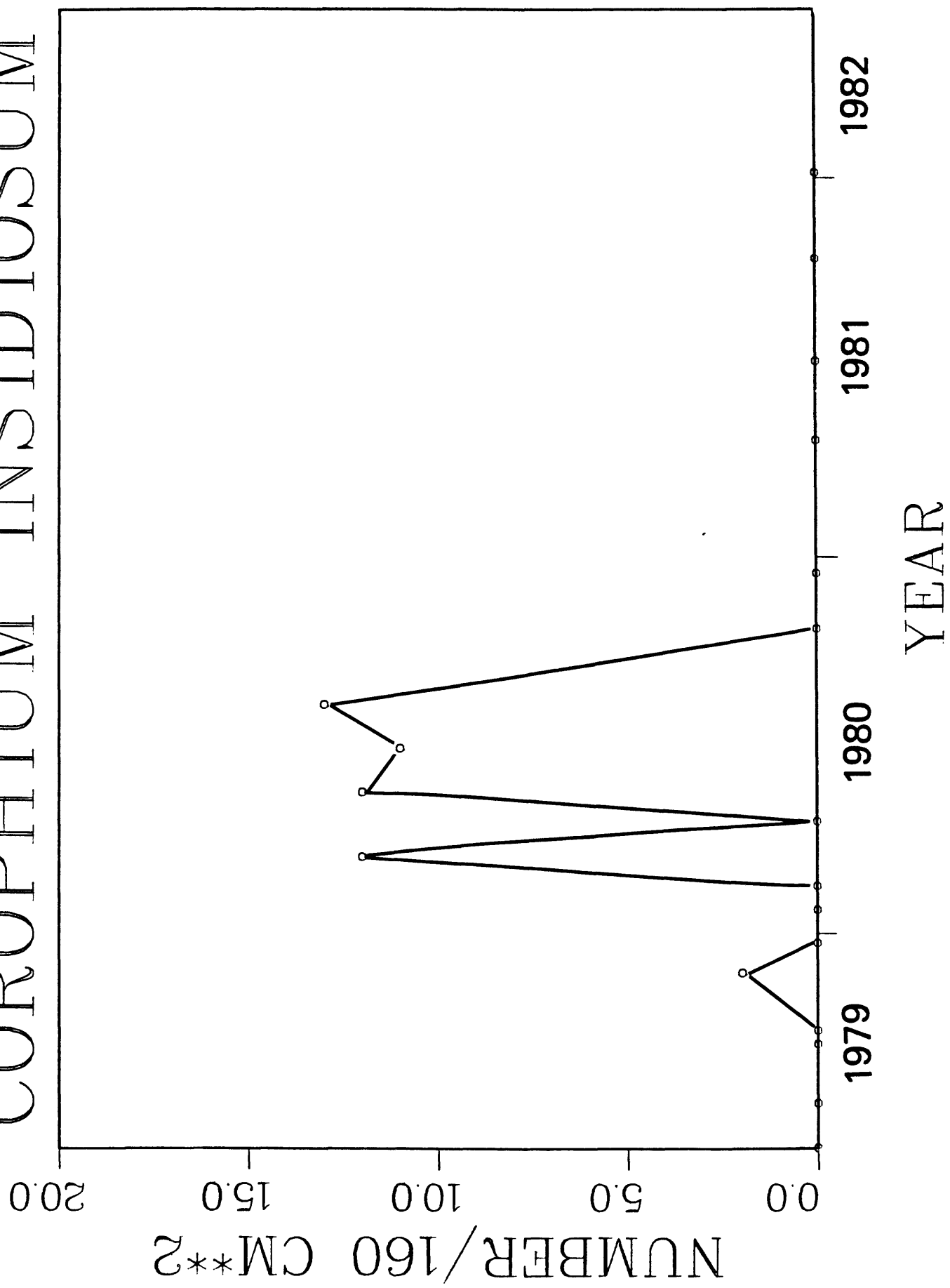
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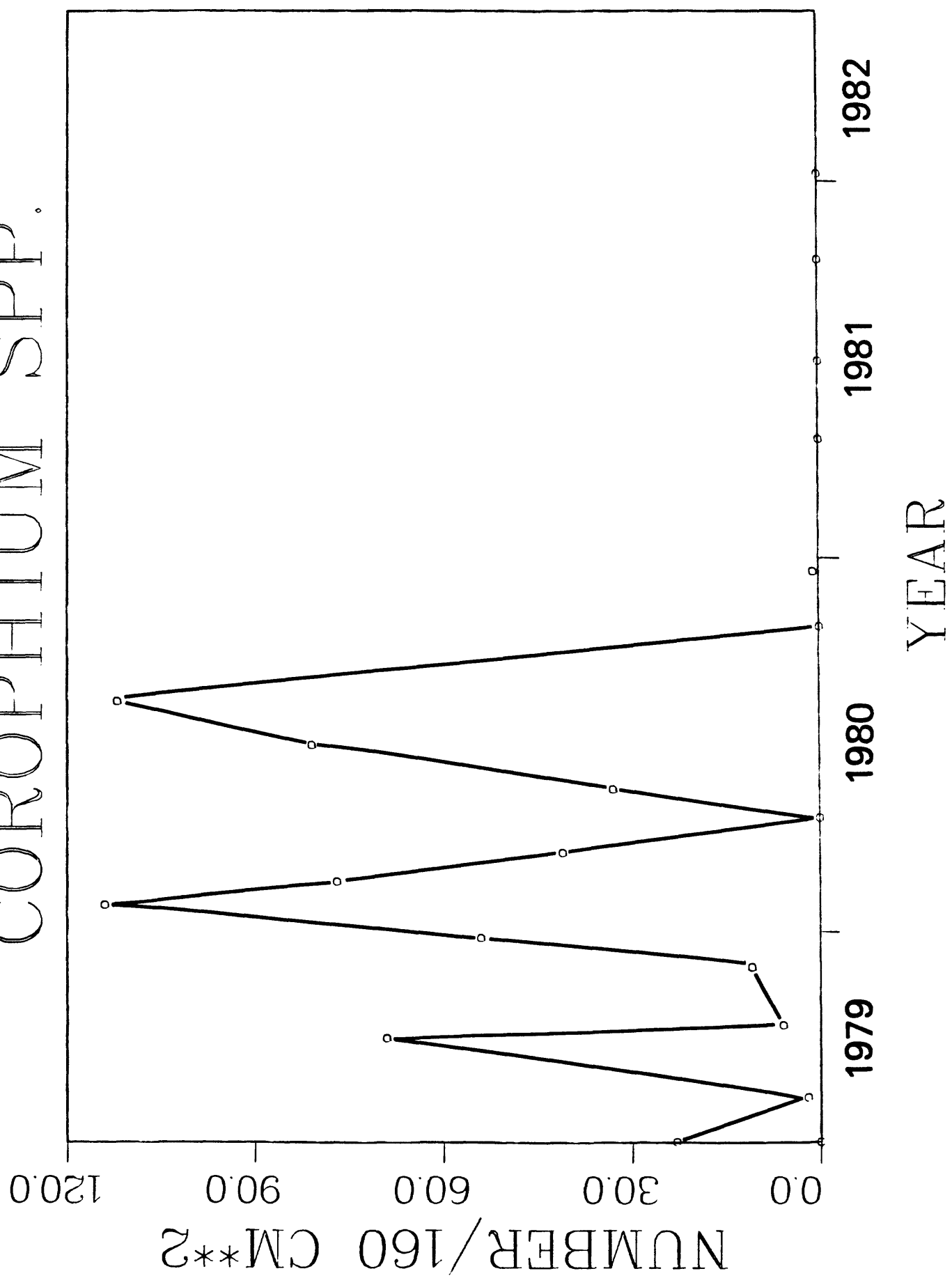
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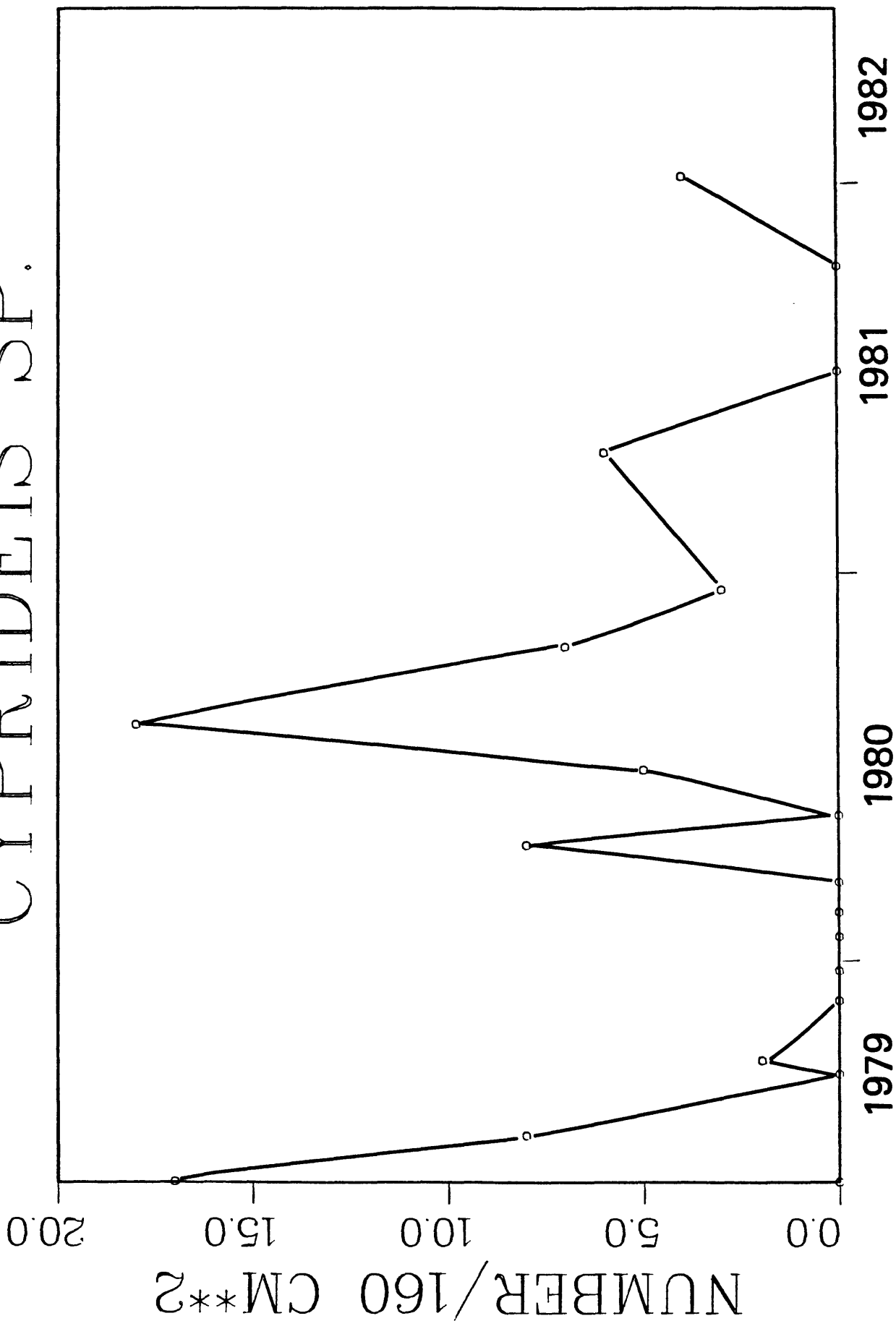
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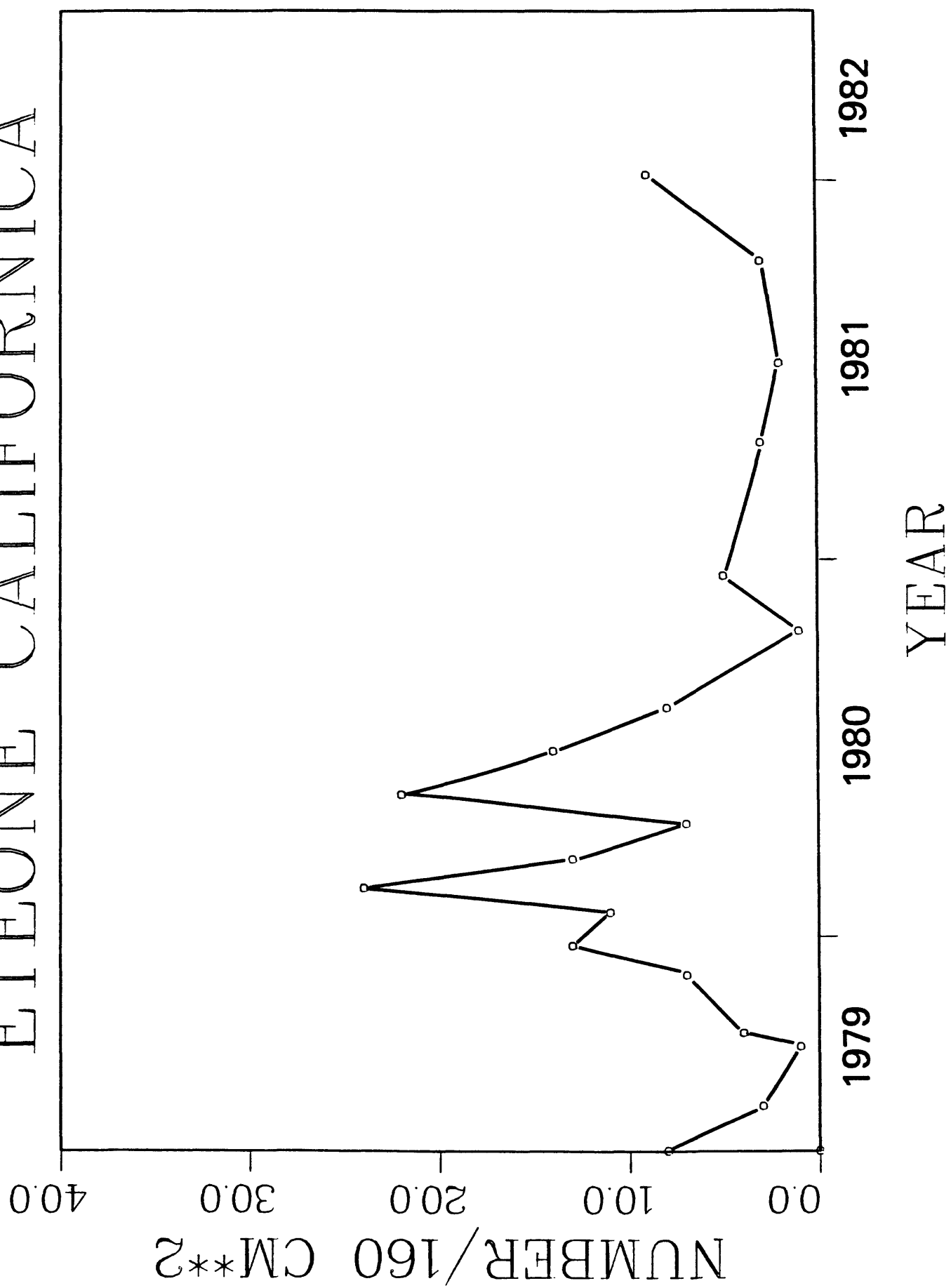
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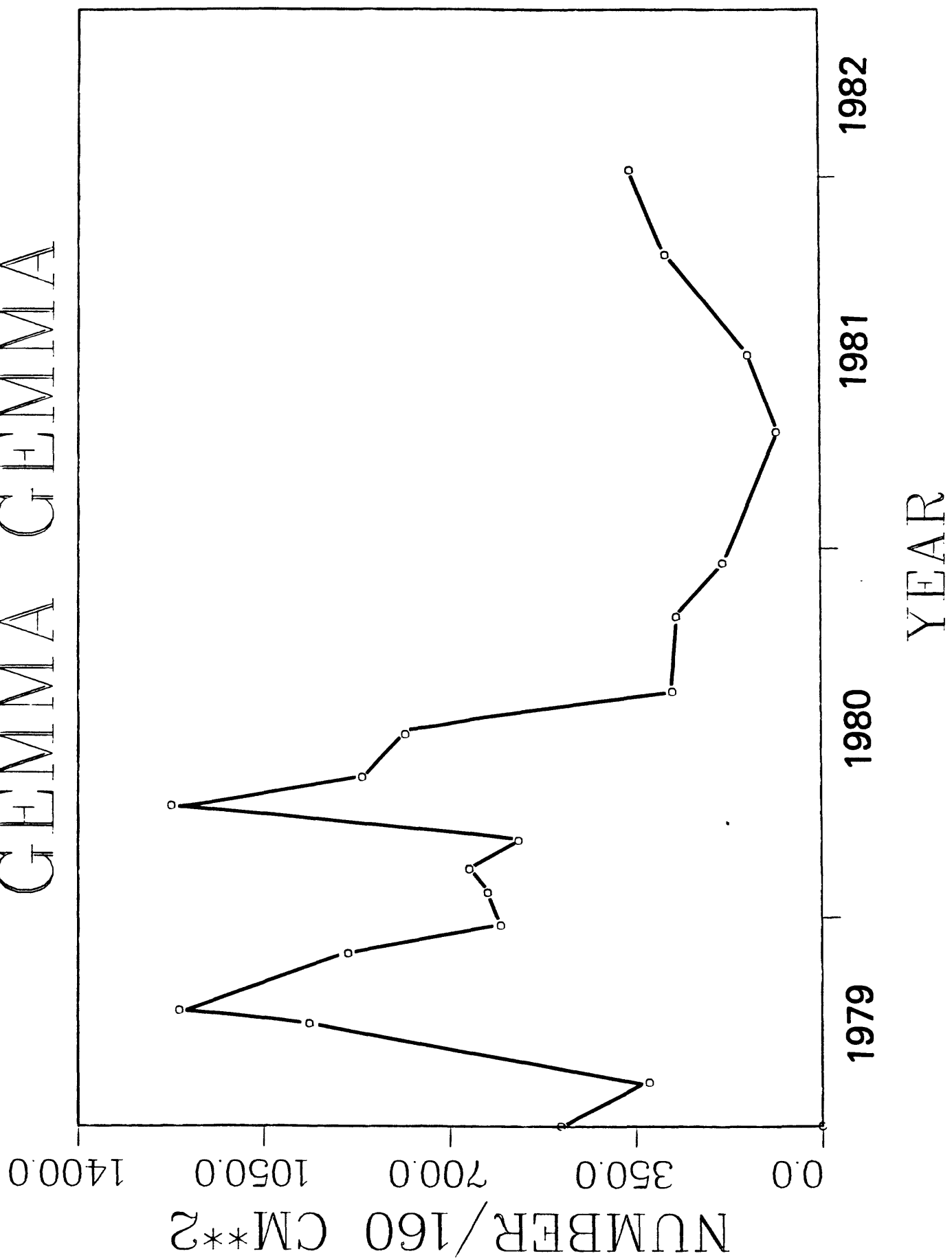
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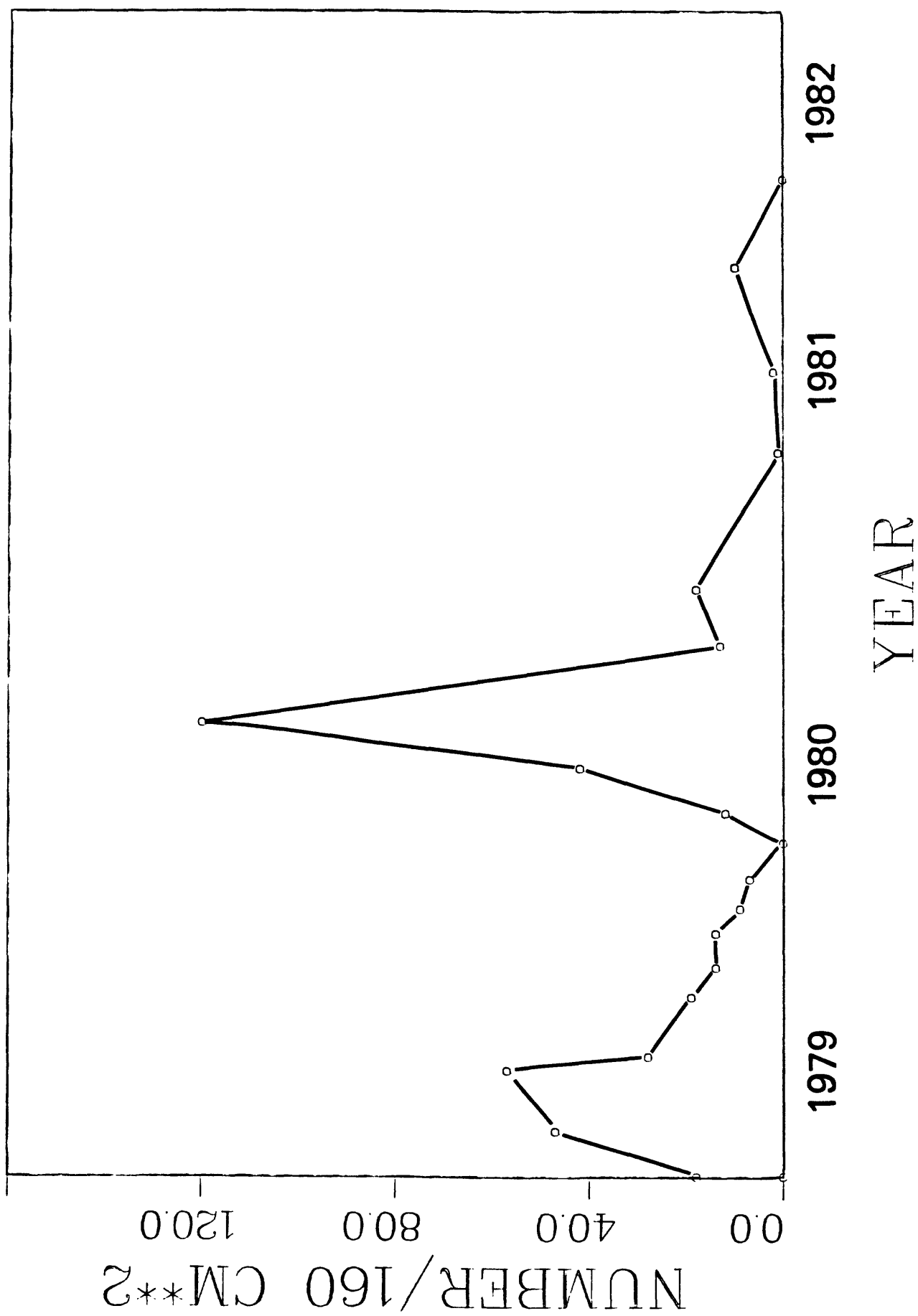
ETHEONE CALIFORNICA



GEMMA GEMMA



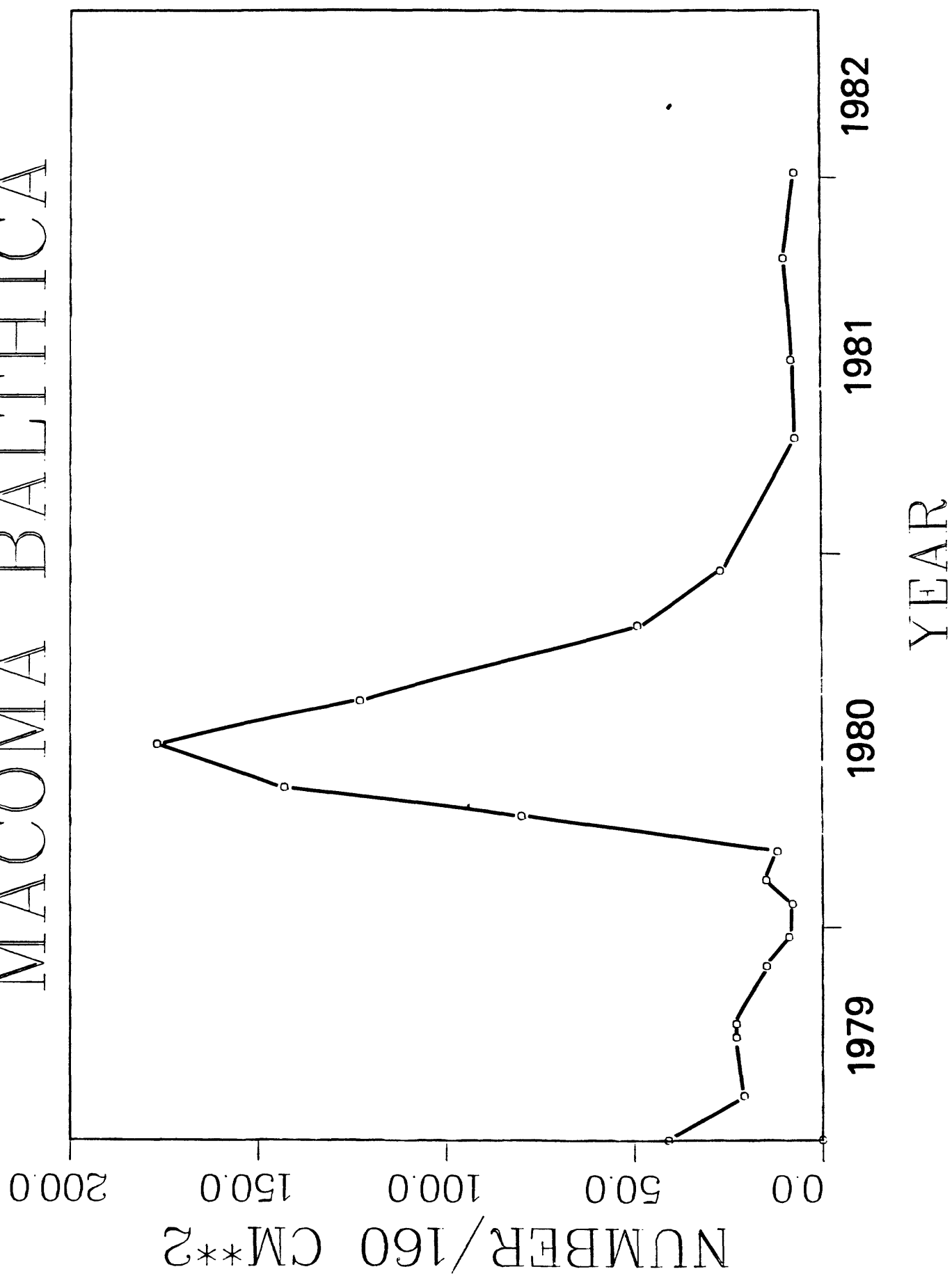
GRANDIDIERELLA JAPONICA



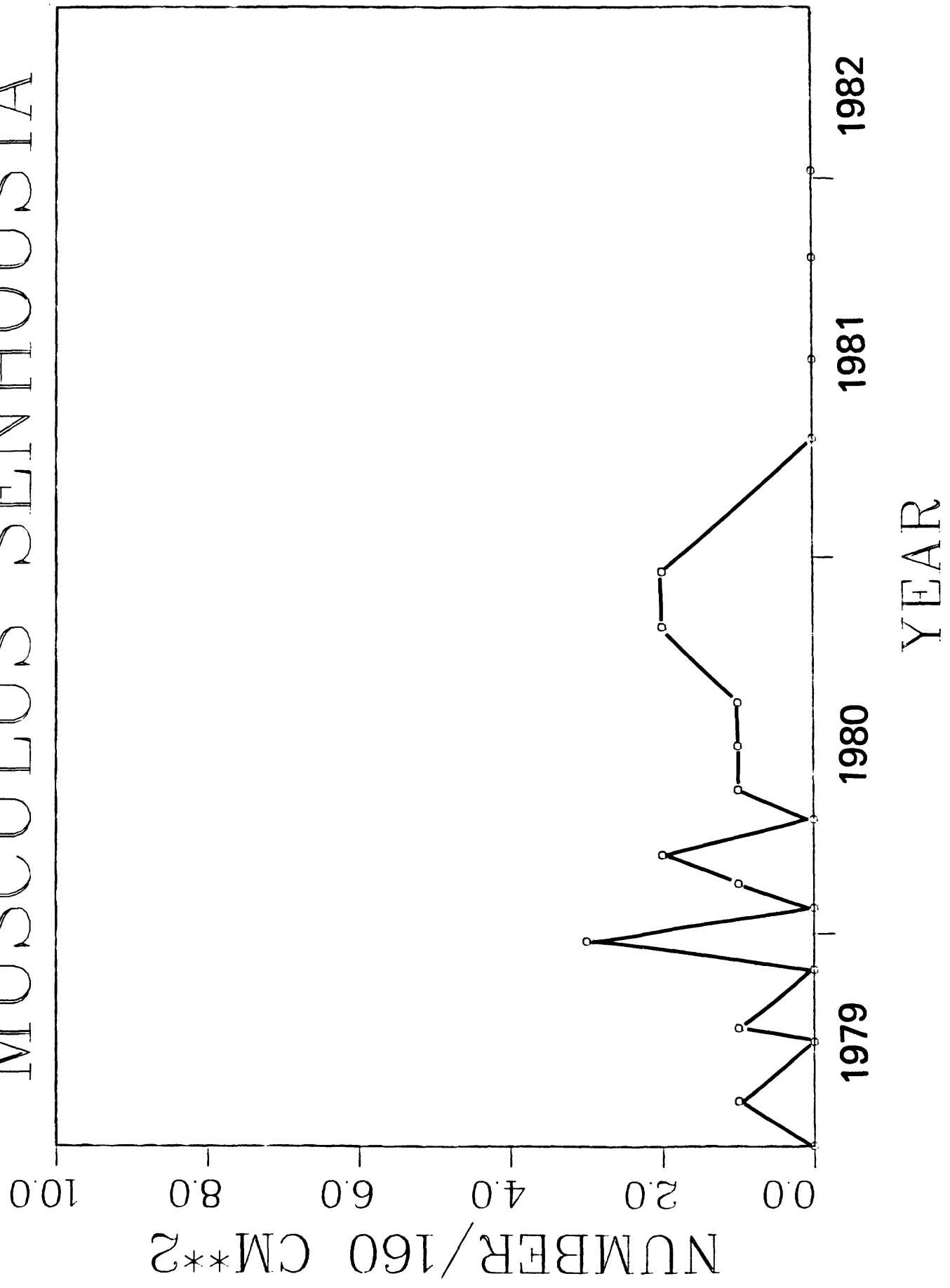
NUMBER/160 CM**2



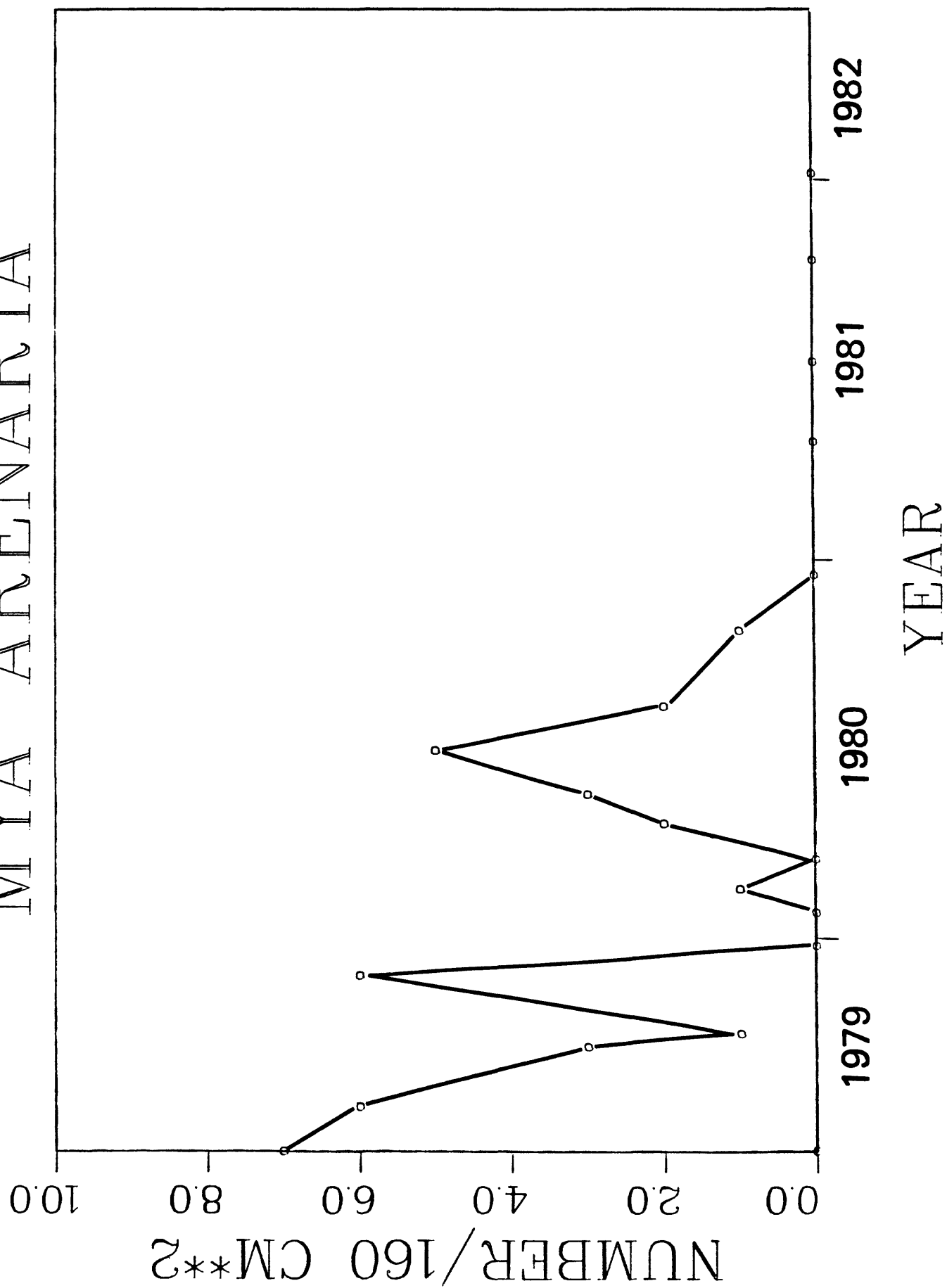
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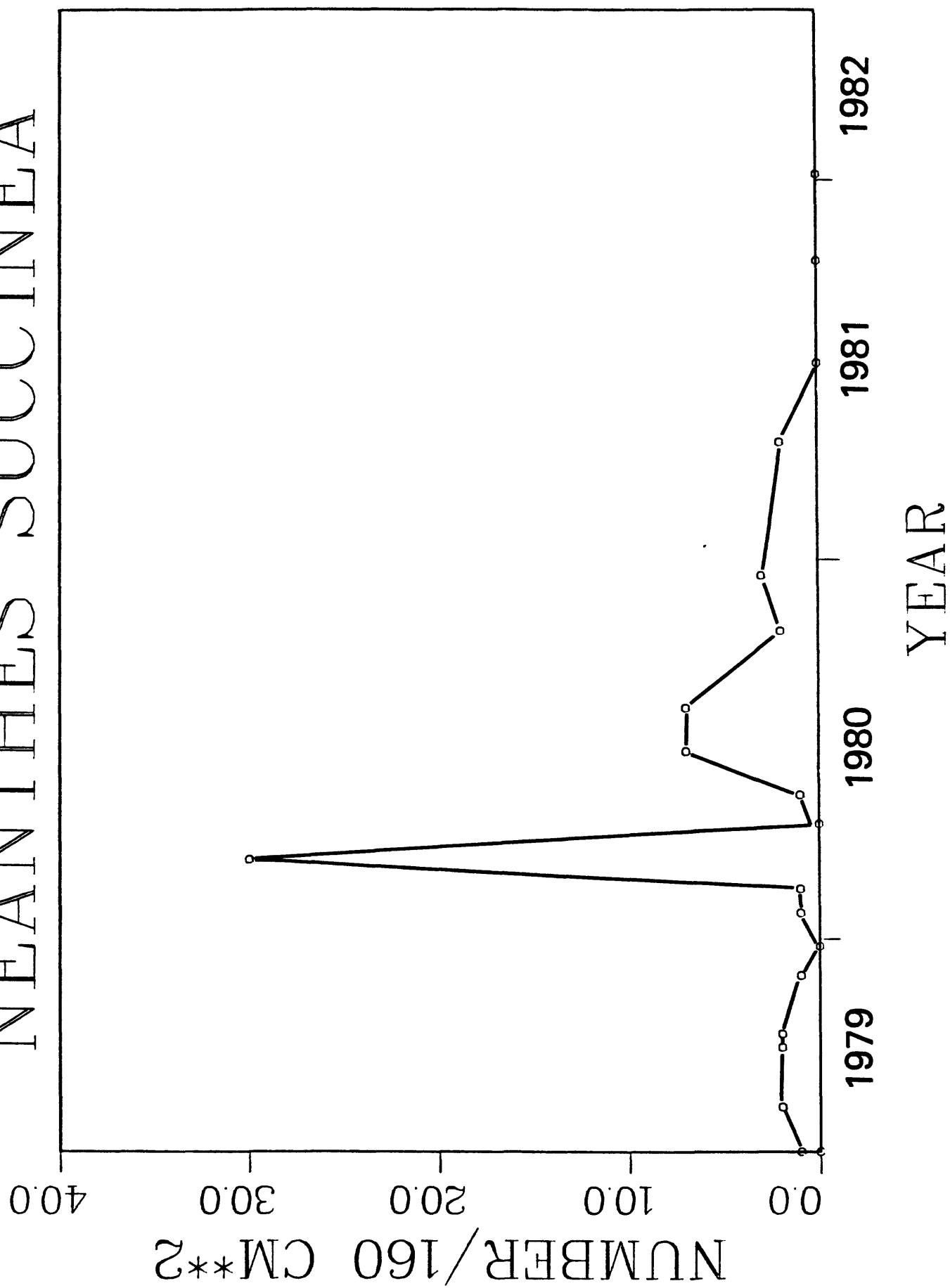
MUSCULUS SENHOUSIA



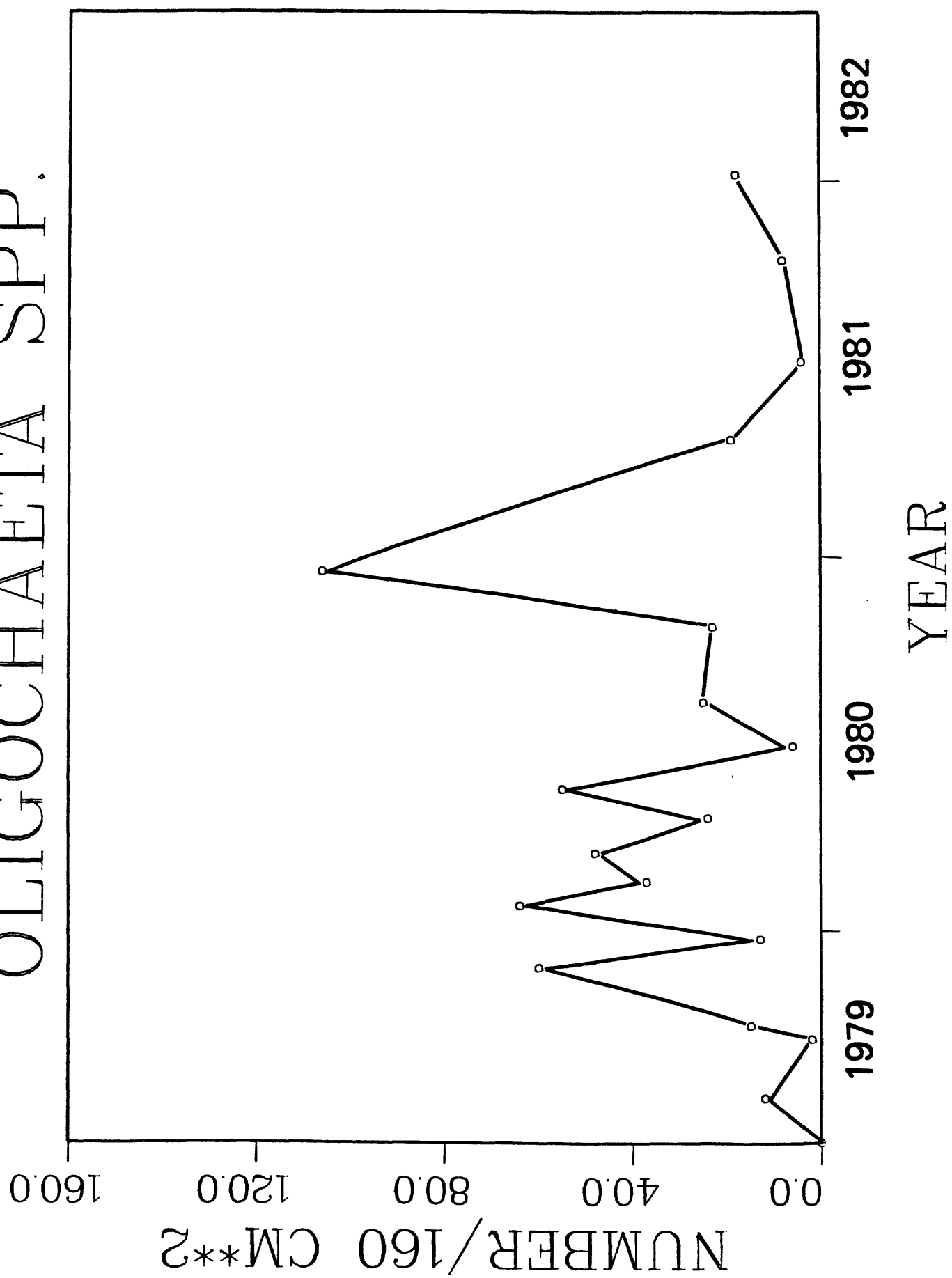
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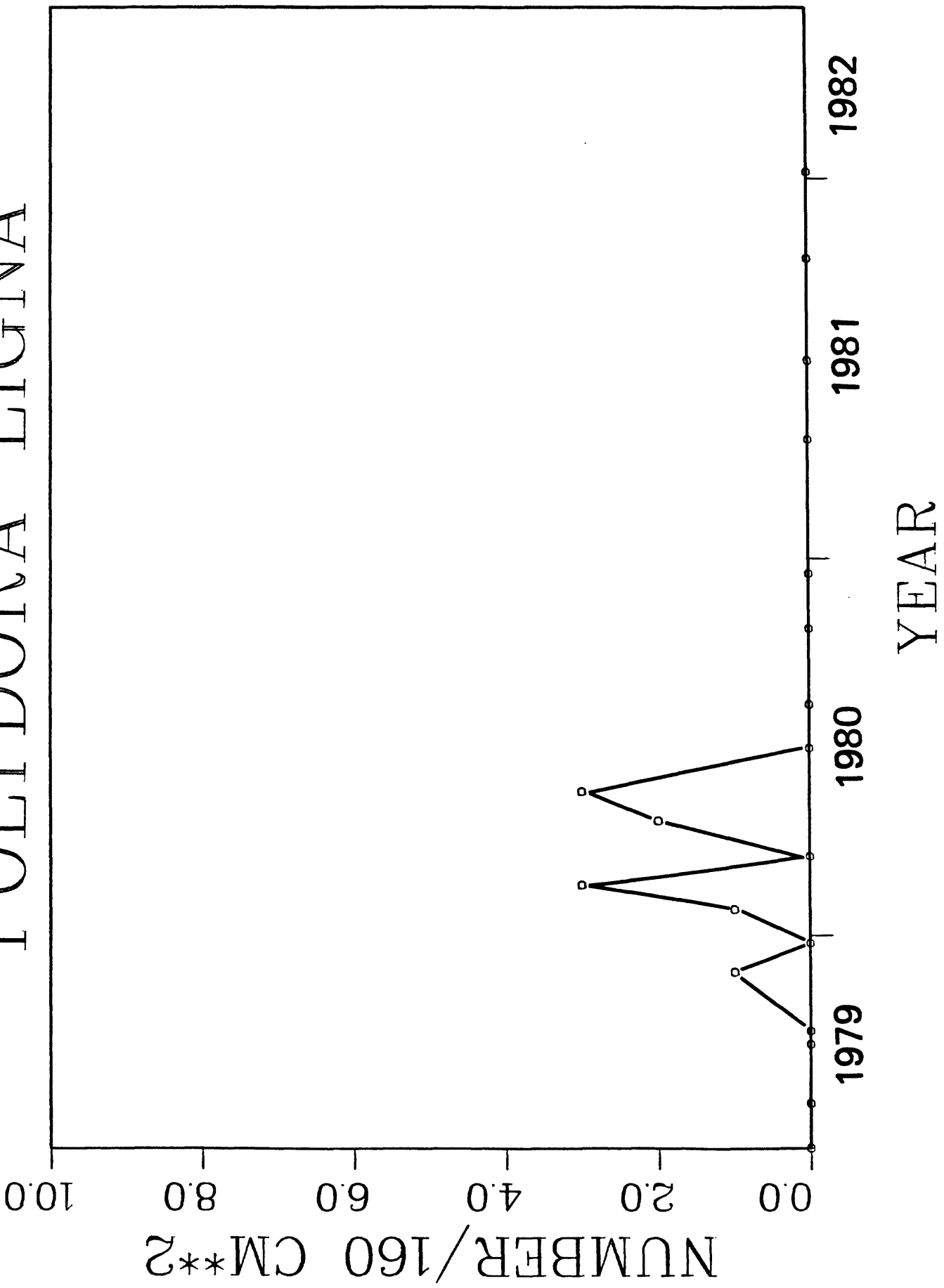
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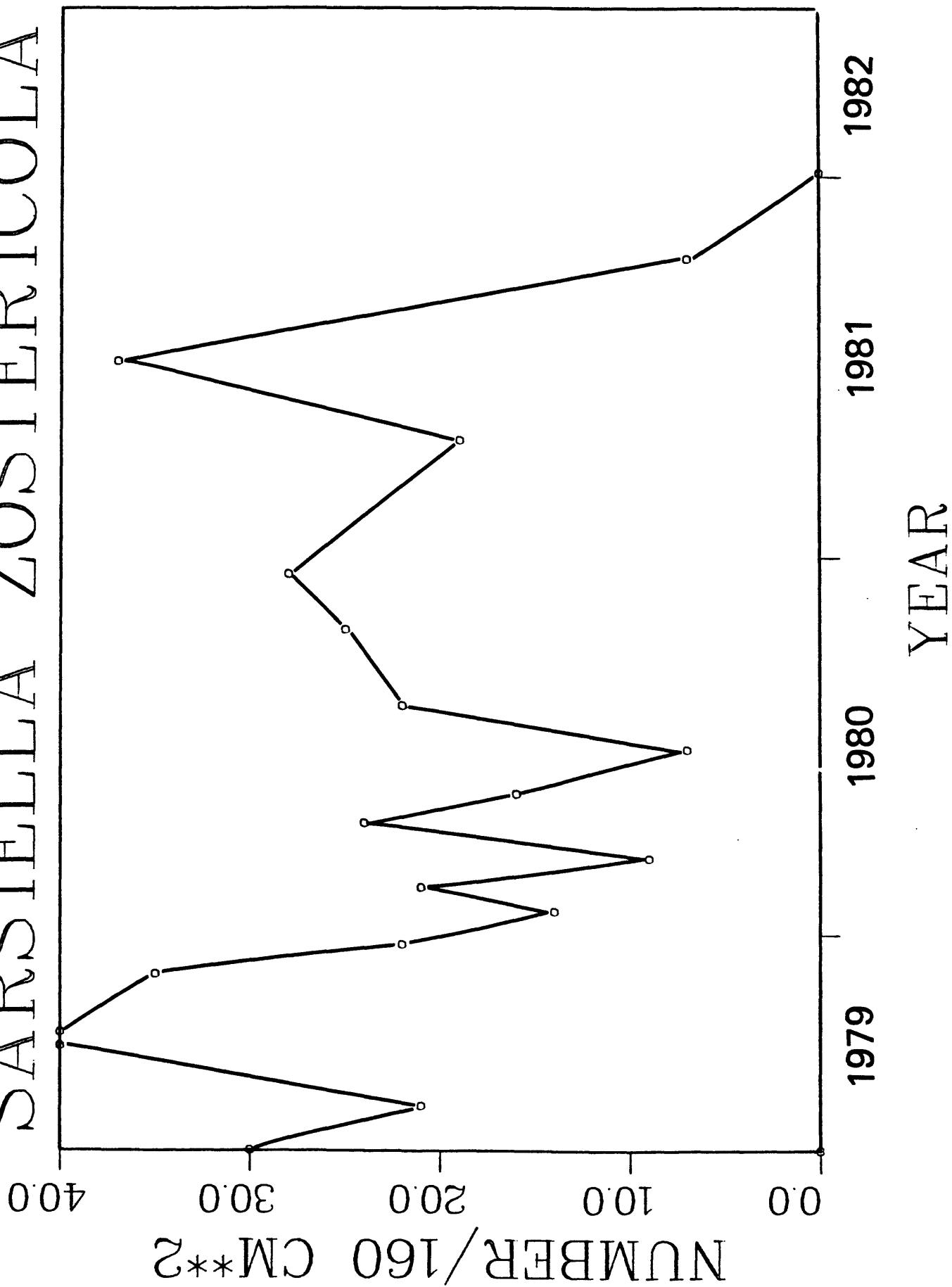
OLIGOCHAETA SPP.



POLYDORA LIGNA



SARSIELLA ZOSTERICOLA



STREBLOSP IO BENEDICTI

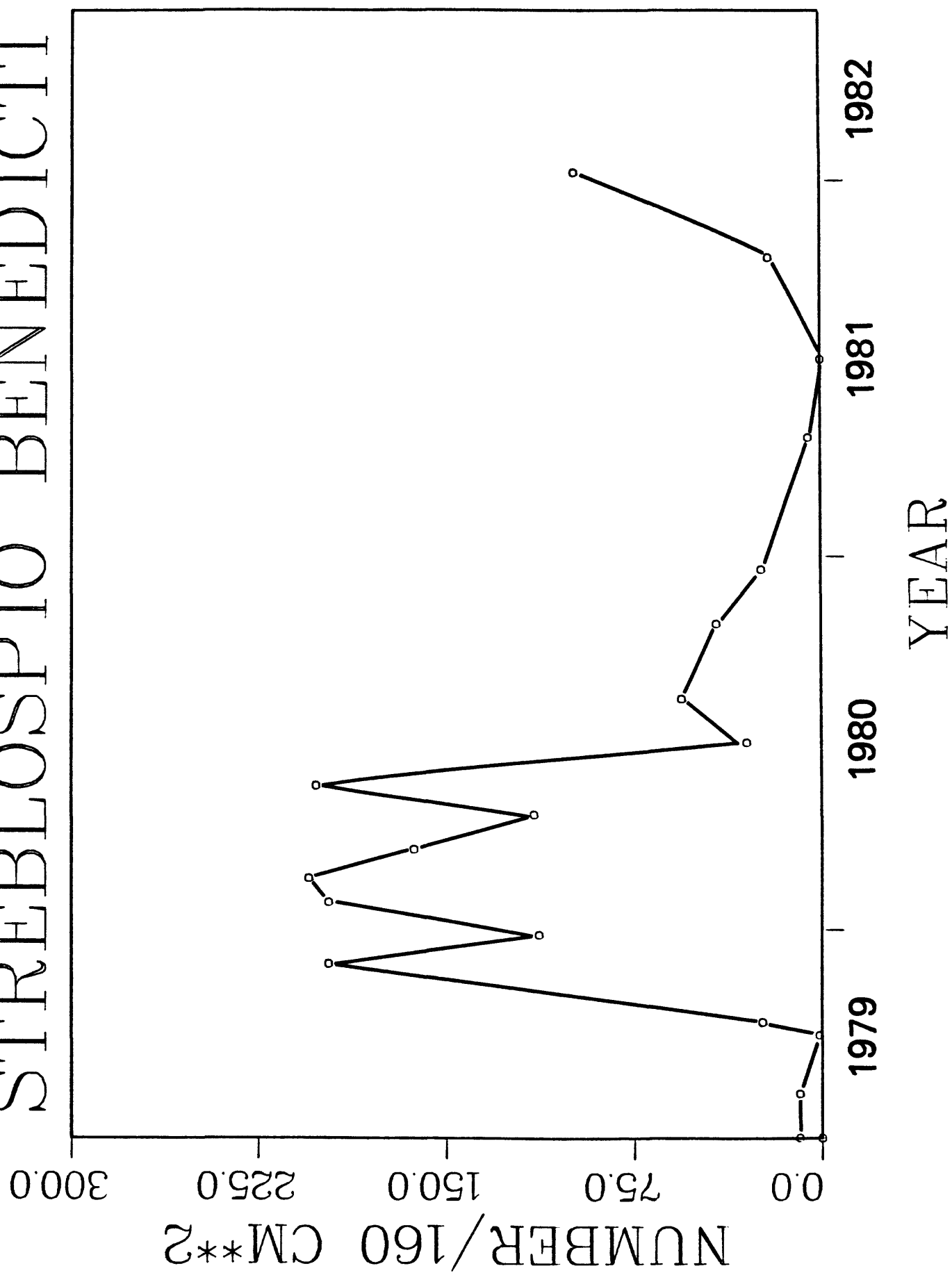


Table 1. Species count data for station 45 collected with an 8.5-cm diameter core from February 1974 through August 1983.

Station 45

Date: 01/FEB/74

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	121.	126.	45.	97.3	45.4
Ilyanassa obsoleta	1.	0.	0.	.3	.6
Macoma balthica	5.	6.	10.	7.0	2.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Amphelisca abdita	1.	1.	0.	.7	.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	2.	4.	2.	2.7	1.2
Sarsiella zostericola	2.	3.	1.	2.0	1.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	2.	4.	3.	3.0	1.0
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	77.	46.	43.	55.3	18.8
Polydora ligni	8.	8.	6.	7.3	1.2
Pseudopolydora kempfi	1.	0.	0.	.3	.6
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	316.	282.	203.	267.0	58.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 09/APR/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	43.	17.	34.	31.3	13.2
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	3.	4.	8.	5.0	2.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ambeliscia andita	0.	0.	0.	.0	.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	1.	0.	0.	.3	.6
Sarsiella zostericola	1.	1.	0.	.7	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	7.	5.	3.	5.0	2.0
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	92.	20.	28.	46.7	39.5
Polydora ligni	3.	9.	4.	5.3	3.2
Pseudopolydora kempfi	0.	1.	0.	.3	.6
Spinaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	349.	277.	249.	291.7	51.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 07/MAY/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	1.	0.	0.	.3	.6
Gemma gemma	87.	73.	66.	75.3	10.7
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	20.	5.	12.	12.3	7.5
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	4.	1.	3.	2.7	1.5
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	1.	2.	0.	1.0	1.0
Balanus imrovisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	0.	0.	.7	1.2
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandisierella japonica	0.	2.	0.	.7	1.2
Sarsiella zostericola	4.	2.	0.	2.0	2.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	56.	50.	40.	48.7	8.1
Heteromastus filiformis	1.	1.	0.	.7	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "a"	0.	0.	0.	.0	.0
Oligochaeta spp.	29.	16.	35.	26.7	9.7
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sponaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	161.	112.	81.	118.0	40.3
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 05/JULY/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	1.	.3	.6
Gemma gemma	46.	25.	32.	34.3	10.7
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	26.	14.	27.	22.3	7.2
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	4.	2.	3.	3.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	3.	0.	0.	1.0	1.7
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	2.	0.	.7	1.2
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	17.	23.	27.	22.3	5.0
Sarsiella zostericola	1.	0.	0.	.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	12.	12.	12.	12.0	.0
Heteromastus filiformis	1.	1.	0.	.7	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	25.	34.	5.	21.3	14.8
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	3.	2.	2.	2.3	.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 05/JUL/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	33.	43.	17.	31.0	13.1
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	16.	21.	13.	16.7	4.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	2.	9.	1.	4.0	4.4
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ameliscia abdita	0.	3.	2.	1.7	1.5
Halanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	1.	1.	30.	10.7	16.7
Sarsiella zostericola	1.	1.	0.	.7	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	5.	7.	7.	6.3	1.2
Heteronastus filiformis	2.	1.	1.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	45.	19.	22.3	21.2
Polydora ligni	1.	1.	0.	.7	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	3.	18.	6.	9.0	7.9
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 21/AUG/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	14.	15.	22.	17.0	4.4
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	26.	26.	14.	22.0	6.9
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	3.	2.	1.	2.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	0.	0.	1.	.3	.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandisferella japonica	6.	1.	4.	3.7	2.5
Sarsiella zostericola	1.	1.	1.	1.0	.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	5.	5.	3.	4.3	1.2
Heteronastus filiformis	1.	0.	1.	.7	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	2.	3.	4.	3.0	1.0
Polydora ligni	1.	0.	0.	.3	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	8.	8.	6.	7.3	1.2
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 16/SEP/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	13.	22.	15.	16.7	4.7
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	23.	24.	33.	26.7	5.5
Musculista senhousia	0.	0.	0.	.0	.0
Mva arenaria	2.	3.	4.	3.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	26.	15.	16.	19.0	6.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	1.	4.	1.7	2.1
Corophium insidiosum	0.	0.	1.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	6.	12.	6.3	5.5
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	1.	1.	0.	.7	.6
Sarsiella zostericola	4.	2.	1.	2.3	1.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	1.	0.	.3	.6
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	5.	3.	2.	3.3	1.5
Heteronastus filiformis	1.	1.	1.	1.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "a"	0.	0.	0.	.0	.0
Oligochaeta spp.	12.	7.	3.	7.3	4.5
Polydora lioni	2.	2.	2.	2.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	34.	32.	30.	32.0	2.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 14/OCT/74

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	1.	5.	2.0	2.6
MOLLUSCA					
Boonea bisuturalis	0.	4.	1.	1.7	2.1
Gemma gemma	123.	123.	83.	109.7	23.1
Ilyanassa obsoleta	2.	0.	0.	.7	1.2
Macoma balthica	22.	15.	10.	15.7	6.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	2.	2.	1.	1.7	.6
Urosalpinx cinerea	0.	0.	1.	.3	.6
ARTHROPODA					
Ampelisca abdita	2.	3.	3.	2.7	.6
Balanus improvisus	0.	0.	83.	27.7	47.9
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	1.	1.	1.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	3.	1.0	1.7
Grandidierella japonica	34.	41.	22.	32.3	9.6
Sarsiella zostericola	3.	3.	17.	7.7	8.1
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	7.	3.	3.	4.3	2.3
Heteromastus filiformis	0.	0.	1.	.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	6.	11.	30.	15.7	12.7
Polydora ligni	6.	8.	9.	7.7	1.5
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	59.	69.	40.	56.0	14.7
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 11/NOV/74

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	3.	7.	3.	4.3	2.3
Gemma gemma	102.	157.	150.	136.3	29.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	13.	21.	15.	16.3	4.2
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Drosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	14.	21.	16.	17.0	3.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	1.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	12.	18.	22.	17.3	5.0
Sarsiella zostericola	4.	27.	12.	14.3	11.7
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	6.	9.	9.	8.0	1.7
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	17.	63.	48.	42.7	23.5
Polydora ligni	3.	7.	11.	7.0	4.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	105.	137.	144.	128.7	20.8
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 10/DEC/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	1.	0.	0.	.3	.6
MOLLUSCA					
Boonea bisuturalis	29.	14.	19.	20.7	7.6
Gemma gemma	164.	157.	181.	167.3	12.3
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	16.	18.	12.	15.3	3.1
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	5.	1.	4.	3.3	2.1
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	17.	18.	14.	16.3	2.1
Malanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	2.	1.	1.	1.3	.6
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	3.	1.	0.	1.3	1.5
Cyprideis sp.	2.	2.	0.	1.3	1.2
Grandidierella japonica	22.	12.	16.	16.7	5.0
Sarsiella zostericola	17.	24.	11.	17.3	6.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	6.	4.	4.	4.7	1.2
Heteromastus filiformis	2.	1.	1.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	45.	58.	39.	47.3	9.7
Polydora ligni	8.	4.	7.	6.3	2.1
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	1.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	112.	107.	106.	108.3	3.2
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 08/JAN/75

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	1.	4.	4.	3.0	1.7
Gemma gemma	128.	199.	115.	147.3	45.2
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	19.	14.	19.	17.3	2.9
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	1.	2.	0.	1.0	1.0
Urosalpinx cinerea	0.	1.	0.	.3	.6
ARTHROPODA					
Ampelisca abdita	2.	4.	6.	4.0	2.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	1.	0.	.7	.6
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	1.	0.	.3	.6
Corophium spp.	2.	6.	5.	4.3	2.1
Cumella vulgaris	1.	0.	1.	.7	.6
Cyprideis sp.	3.	0.	0.	1.0	1.7
Grandidierella japonica	24.	18.	32.	24.7	7.0
Sarsiella zostericola	13.	15.	16.	14.7	1.5
Synidotea laticauda	0.	0.	1.	.3	.6
Tanaeis sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	10.	5.	8.	7.7	2.5
Heteromastus filiformis	1.	1.	1.	1.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	48.	52.	29.	43.0	12.3
Polydora ligni	6.	5.	4.	5.0	1.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	162.	144.	175.	160.3	15.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 06/FEB/75

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	11.	12.	4.	9.0	4.4
Gemma gemma	70.	113.	117.	100.0	26.1
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	9.	14.	8.	10.3	3.2
Musculista senhousia	1.	0.	0.	.3	.6
Mya arenaria	4.	0.	1.	1.7	2.1
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	6.	5.	2.	4.3	2.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	1.	.3	.6
Corophium spp.	2.	3.	3.	2.7	.6
Cumella vulgaris	3.	0.	2.	1.7	1.5
Cyprideis sp.	2.	0.	1.	1.0	1.0
Grandidierella japonica	9.	10.	19.	12.7	5.5
Sarsiella zostericola	14.	12.	15.	13.7	1.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	11.	8.	5.	8.0	3.0
Heteromastus filiformis	1.	1.	5.	2.3	2.3
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	9.	13.	53.	25.0	24.3
Polydora ligni	4.	3.	1.	2.7	1.5
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	85.	118.	120.	107.7	19.7
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 31/MAR/75

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	1.	6.	2.3	3.2
Gemma gemma	62.	50.	86.	66.0	18.3
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	5.	2.	12.	6.3	5.1
Musculista senhousia	0.	0.	2.	.7	1.2
Mya arenaria	0.	0.	1.	.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	0.	0.	0.	.0	.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	2.	0.	0.	.7	1.2
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	6.	0.	4.	3.3	3.1
Cumella vulgaris	2.	0.	3.	1.7	1.5
Cyprideis sp.	6.	21.	1.	9.3	10.4
Grandidierella japonica	0.	0.	0.	.0	.0
Sarsiella zostericola	2.	2.	9.	4.3	4.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	4.	0.	7.	3.7	3.5
Heteromastus filiformis	0.	3.	2.	1.7	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	23.	14.	21.	19.3	4.7
Polydora ligni	0.	1.	1.	.7	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	171.	116.	126.	137.7	29.3
Tharvx sp.	0.	0.	0.	.0	.0

Station 45

Date: 29/MAY/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	25.	10.	13.	16.0	7.9
Gemma gemma	63.	64.	127.	84.7	36.7
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	13.	14.	12.	13.0	1.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	6.	16.	28.	16.7	11.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHRPODA					
Ampelisca abdita	2.	2.	1.	1.7	.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	3.	3.	11.	5.7	4.6
Corophium insidiosum	2.	2.	10.	4.7	4.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	25.	29.	62.	38.7	20.3
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	2.	4.	17.	7.7	8.1
Grandidierella japonica	7.	3.	15.	8.3	6.1
Sarsiella zostericola	12.	13.	17.	14.0	2.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	27.	27.	49.	34.3	12.7
Heteromastus filiformis	1.	0.	1.	.7	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	58.	12.	7.	25.7	28.1
Polydora ligni	1.	0.	2.	1.0	1.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	4.	9.	10.	7.7	3.2
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 24/JUL/75

Sample size: 57 cm**2

SPECIES

SAMPLE

	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	1.	0.	0.	.3	.6
Gemma gemma	43.	45.	51.	46.3	4.2
Ilvanessa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	11.	15.	12.	12.7	2.1
Musculista senhousia	0.	0.	2.	.7	1.2
Mya arenaria	5.	8.	8.	7.0	1.7
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	15.	33.	26.	24.7	9.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprineis sp.	9.	0.	0.	3.0	5.2
Grandidierella japonica	1.	0.	0.	.3	.6
Sarsiella zostericola	8.	7.	7.	7.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	9.	12.	11.	10.7	1.5
Heteromastus filiformis	2.	0.	1.	1.0	1.0
Marenzelleria sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	2.	6.	5.	5.4	3.0
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	2.	1.	2.	1.7	.6
Tharyx sp.	0.	1.	0.	.3	.6

Station 45

Date: #2/OCT/75

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	2.	10.	3.	5.0	4.4
Gemma gemma	0.	0.	3.	1.0	1.7
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	0.	0.	.0	.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	1.	0.	0.	.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	2.	3.	5.	3.3	1.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	3.	5.	2.7	2.5
Grandidierella japonica	0.	0.	0.	.0	.0
Sarsiella zostericola	1.	2.	1.	1.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	2.	0.	1.	1.0	1.0
Eteone californica	0.	0.	0.	.0	.0
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	1.	0.	1.	.7	.6
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	2.	0.	1.	1.0	1.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 13/NOV/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	0.	0.	1.	.3	.6
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	0.	0.	.0	.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	2.	0.	1.	1.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	10.	6.	3.	6.3	3.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	1.	0.	.3	.6
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	4.	19.	2.	8.3	9.3
Sarsiella zostericola	1.	0.	0.	.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaeis sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	3.	0.	0.	1.0	1.7
Eteone californica	3.	1.	1.	1.7	1.2
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "a"	0.	0.	0.	.0	.0
Oligochaeta spp.	1.	0.	0.	.3	.6
Polydora liani	0.	0.	2.	.7	1.2
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	11.	12.	7.	10.0	2.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 27/JAN/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	1.	2.	1.0	1.2
Gemma gemma	2.	5.	0.	2.3	2.5
Ilyanassa obsoleta	0.	0.	6.	2.0	3.5
Macoma balthica	2.	4.	2.	2.7	1.2
Musculista senhousia	0.	0.	0.	.0	.2
Mya arenaria	0.	0.	1.	.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ameliscia addita	7.	7.	8.	7.3	.6
Balanus tintinnulus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	4.	4.	4.	4.0	.0
Grandidierella japonica	5.	3.	3.	3.7	1.2
Sarsiella zostericola	1.	1.	0.	.7	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	23.	24.	26.	24.3	1.5
Eteone californica	5.	8.	5.	6.0	1.7
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	0.	1.	1.3	1.5
Polydora ligni	1.	0.	0.	.3	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Spionosyllis erinaceus	1.	0.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	15.	2.	20.	12.3	9.3
Tarvix sp.	0.	0.	0.	.0	.0

Station 45

Date: 05/APR/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea hisuturalis	1.	0.	0.	.3	.6
Gemma gemma	8.	7.	13.	9.3	3.2
Ilvanassa obsoleta	0.	0.	2.	.7	1.2
Macoma balthica	3.	2.	5.	3.3	1.5
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	14.	12.	33.	19.7	11.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	2.	.7	1.2
Corophium insidiosum	0.	1.	2.	1.0	1.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	2.	8.	4.0	3.5
Cumella vulgaris	1.	1.	1.	1.0	.0
Cyprideis sp.	1.	4.	4.	3.0	1.7
Grandidierella japonica	1.	1.	1.	1.0	.0
Sarsiella zostericola	7.	7.	9.	7.7	1.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	2.	0.	1.0	1.0
Eteone californica	3.	1.	2.	2.0	1.0
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	2.	1.	0.	1.0	1.0
Polydora ligni	4.	3.	5.	4.0	1.0
Pseudopolydora kempfi	0.	0.	1.	.3	.6
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	29.	24.	44.	32.3	10.4
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 03/JUN/76

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	1.	0.	.3	.6
Gemma gemma	0.	4.	5.	3.0	2.6
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	1.	2.	1.3	.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	1.	1.	0.	.7	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	83.	78.	91.	84.0	6.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	6.	3.	3.0	3.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	10.	5.	5.7	4.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	1.	0.	0.	.3	.6
Grandidierella japonica	0.	0.	0.	.0	.0
Sarsiella zostericola	5.	8.	2.	5.0	3.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	3.	1.	1.7	1.2
Eteone californica	8.	10.	9.	9.0	1.0
Heteromastus filiformis	0.	0.	0.	.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	1.	2.	0.	1.0	1.0
Polydora ligni	11.	15.	13.	13.0	2.0
Pseudopolydora kenpi	3.	3.	3.	3.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	222.	207.	242.	223.7	17.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 12/AUG/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	5.	9.	3.	5.7	3.1
Gemma gemma	33.	16.	19.	22.7	9.1
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	1.	1.	.7	.6
Musculista senhousia	1.	0.	0.	.3	.6
Mya arenaria	3.	0.	3.	2.0	1.7
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	379.	327.	346.	350.7	26.3
Balanus imorovisus	0.	0.	0.	.0	.0
Corophium acherusicum	21.	12.	2.	11.7	9.5
Corophium insidiosum	0.	1.	0.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	44.	24.	36.	34.7	10.1
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	8.	6.	6.	6.7	1.2
Sarsiella zostericola	35.	38.	21.	31.3	9.1
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	2.	1.	1.	1.3	.6
Eteone californica	14.	7.	11.	10.7	3.5
Heteromastus filiformis	1.	2.	3.	2.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	1.	0.	.3	.6
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	0.	3.	0.	1.0	1.7
Polydora ligni	2.	10.	11.	7.7	4.9
Pseudopolydora kempfi	0.	0.	1.	.3	.6
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	179.	158.	142.	159.7	18.6
Tharyx sp.	0.	0.	1.	.3	.6

Station 45

Date: 24/OCT/76

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	2.	.7	1.2
Gemma gemma	32.	52.	52.	45.3	11.5
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	3.	4.	2.3	2.1
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ambelisca abrita	194.	204.	266.	221.3	39.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	4.	5.	6.	5.0	1.0
Sarsiella zostericola	19.	20.	29.	22.7	5.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	1.	0.	.3	.6
Eteone californica	2.	3.	2.	2.3	.6
Heteronastus filiformis	3.	4.	6.	4.3	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	1.	0.	1.	.7	.6
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	6.	2.	6.	4.7	2.3
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	1.	0.	.3	.6
Spaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	38.	19.	11.	22.7	13.9
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 16/DEC/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	6.	9.	9.	8.0	1.7
Gemma gemma	86.	58.	51.	65.0	18.5
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	3.	5.	2.	3.3	1.5
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	1.	.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	188.	169.	158.	171.7	15.2
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	13.	8.	7.	9.3	3.2
Sarsiella zostericola	24.	22.	18.	21.3	3.1
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	2.	.7	1.2
Eteone californica	2.	3.	2.	2.3	.6
Heteromastus filiformis	1.	3.	4.	2.7	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	10.	7.	8.	8.3	1.5
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	4.	6.	5.	5.0	1.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 45

Date: 14/FEB/77

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea hisuturalis	2.	4.	1.	2.3	1.5
Gemma gemma	56.	34.	67.	52.3	16.8
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	1.	2.	1.3	.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	144.	101.	94.	113.0	27.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	1.	.3	.6
Corophium insidiosum	1.	0.	0.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	1.	.3	.6
Cumella vulgaris	0.	1.	1.	.7	.6
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	5.	2.	0.	2.3	2.5
Sarsiella zostericola	7.	4.	7.	6.0	1.7
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	1.	2.	1.0	1.0
Eteone californica	2.	2.	1.	1.7	.6
Heteromastus filiformis	5.	2.	3.	3.3	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	1.	0.	1.	.7	.6
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	14.	11.	15.	13.3	2.1
Polydora ligni	0.	1.	0.	.3	.6
Pseudopolydora kempfi	0.	1.	0.	.3	.6
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	25.	27.	14.	22.0	7.0
Tharyx sp.	0.	3.	0.	1.0	1.7

Station 45

Date: 30/AUG/77

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	23.	14.	11.	16.0	6.2
Gemma gemma	646.	354.	488.	496.0	146.2
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	1.	0.	.7	.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	3.	2.	1.	2.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	116.	144.	128.	129.3	14.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	2.	0.	1.0	1.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	6.	2.	3.3	2.3
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	26.	23.	5.	18.0	11.4
Sarsiella zostericola	5.	11.	3.	6.3	4.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	9.	7.	7.	7.7	1.2
Heteronastus filiformis	3.	4.	2.	3.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	9.	7.	11.	9.0	2.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	6.	5.	13.	8.0	4.4
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sonaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	443.	187.	513.	381.0	171.6
Tharyx sp.	0.	0.	1.	.3	.6

Station 45

Date: 02/MAR/78

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	1.	0.	0.	.3	.6
Gemma gemma	202.	325.	202.	243.0	71.0
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	1.	2.	1.0	1.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	4.	13.	16.	11.0	6.2
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	1.	.3	.6
Corophium insidiosum	0.	1.	0.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	2.	1.	1.0	1.0
Cumella vulgaris	0.	1.	0.	.3	.6
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	0.	0.	.0	.0
Sarsiella zostericola	0.	4.	1.	1.7	2.1
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Eteone californica	3.	1.	3.	2.3	1.2
Heteronastus filiformis	4.	3.	5.	4.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	2.	3.	4.	3.0	1.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	5.	7.	5.0	2.0
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	26.	25.	18.	23.0	4.4
Tharyx sp.	1.	0.	2.	1.0	1.0

Station 45

Date: 18/AUG/78

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	2.				
Gemma gemma	269.				
Ilyanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	80.				
Balanus improvisus	0.				
Corophium acherusicum	4.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	24.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandinierella japonica	87.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	7.				
Heteromastus filiformis	8.				
Marphysa sanguinea	0.				
Nereis succinea	5.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	42.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	87.				
Tharyx sp.	2.				

Station 45

Date: 22/MAR/79

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	16.				
Gemma gemma	239.				
Ilyanassa obsoleta	2.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	1.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	0.				
Heteromastus filiformis	0.				
Marphysa sanguinea	0.				
Nereis succinea	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	7.				
Polydora ligni	1.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	120.				
Tharyx sp.	0.				

Station 45

Date: 07/AUG/79

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	3.				
Gemma gemma	290.				
Ilyanassa obsoleta	0.				
Macoma balthica	4.				
Musculista senhousia	0.				
Mya arenaria	1.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	281.				
Balanus improvisus	0.				
Coronopus acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	10.				
Sarsiella zostericola	7.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	5.				
Heteromastus filiformis	4.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	12.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	3.				
Tarax sp.	0.				

Station 45

Date: 12/14/84

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Roonea bisuturalis	6.				
Gemma gemma	212.				
Ilyanassa obsoleta	0.				
Macoma balthica	4.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	139.				
Balanus imrovisus	0.				
Corophium acnerusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	5.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	5.				
Sarsiella zostericola	10.				
Synidotea laticauda	0.				
Tanaid sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	7.				
Heteromastus filiformis	4.				
Marphysa sanguinea	1.				
Nereis succinea	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	32.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	57.				
Tharyx sp.	0.				

Station 45

Date: 12/AUG/80

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	142.				
Ilyanassa obsoleta	0.				
Macoma balthica	36.				
Musculista senhousia	3.				
Mya arenaria	4.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	127.				
Balanus improvisus	0.				
Corophium acherusicum	9.				
Corophium insidiosum	2.				
Corophium sp.	0.				
Corophium sp.	37.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandisierella japonica	54.				
Sarsiella zostericola	2.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	1.				
Eteone californica	5.				
Heteromastus filiformis	4.				
Narphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	8.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	43.				
Tharyx sp.	0.				

Station 45

Date: 14/MAR/81

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	2.				
Gemma gemma	29.				
Ilyanassa obsoleta	0.				
Macoma balthica	5.				
Musculista senhousia	1.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	58.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	1.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	8.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	4.				
Heteronastus filiformis	6.				
Marphysa sanguinea	0.				
Nereis succinea	2.				
Olidochaeta sp. "d"	0.				
Olidochaeta spp.	1.				
Polydora ligni	0.				
Pseudopolydora kemp	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streptosio benedicti	5.				
Tharyx sp.	0.				

Station 45

Date: 18/AUG/81

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	3.				
Gemma gemma	33.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ambeliscia abdita	214.				
Balanus improvisus	0.				
Corophium acherusicum	1.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	3.				
Cumella vulgaris	0.				
Cyprideis sp.	2.				
Grandidierella japonica	3.				
Sarsiella zostericola	19.				
Synidotea laticauda	0.				
Tanaeis sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	4.				
Heteronastus filiformis	6.				
Marphysa sanguinea	0.				
Nereis succinea	0.				
Oligochaeta sp. "a"	0.				
Oligochaeta spp.	14.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	6.				
Tharyx sp.	1.				

Station 45

Date: 03/FEB/82

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	7.				
Gemma gemma	247.				
Ilyanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	1.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	3.				
Eteone californica	4.				
Heteronastus filiformis	8.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	5.				
Polydora ligni	0.				
Pseudopolydora kempi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	68.				
Tharyx sp.	1.				

Station 45

Date: 11/MAY/82

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	122.				
Ilyanassa obsoleta	0.				
Macoma balthica	8.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	5.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synhiotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	0.				
Heteromastus filiformis	11.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "d"	16.				
Oligochaeta spp.	12.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	102.				
Tharyx sp.	0.				

Station 45

Date: 19/AUG/82

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	226.				
Ilyanassa obsoleta	0.				
Macoma balthica	9.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	5.				
Heteromastus filiformis	12.				
Marephysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	10.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	7.				
Tharyx sp.	1.				

Station 45

Date: 11/JAN/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	2.				
Gemma gemma	131.				
Ilvanassa obsoleta	0.				
Macoma balthica	3.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	2.				
Alanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	1.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	1.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	4.				
Heteromastus filiformis	6.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	10.				
Polydora ligni	0.				
Pseudopolydora kempi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	47.				
Tharyx sp.	1.				

Station 45

Date: 22/FEB/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	3.				
Gemma gemma	160.				
Ilvanassa obsoleta	0.				
Macoma balthica	5.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	1.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	14.				
Grandisferella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	2.				
Heteronastus filiformis	5.				
Marphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	6.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	20.				
Tharyx sp.	0.				

Station 45

Date: 18/MAY/83

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	15.				
Ilyanassa obsoleta	0.				
Macoma balthica	5.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	0.				
Balanus imorovisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	0.				
Heteromastus filiformis	17.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	9.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	20.				
Tharyx sp.	0.				

Station 45

Date: 13/JUL/83

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	mean	Standard Deviation
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	10.				
Ilyanassa obsoleta	0.				
Macoma balthica	11.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ambelisca abdita	6.				
Balanus imrovisus	0.				
Corophium acnerusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	1.				
Heteronastus filiformis	9.				
Marphysa sanguinea	0.				
Nereis succinea	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	18.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	11.				
Tharyx sp.	0.				

Station 45

Date: 13/AUG/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	7.				
Ilyanassa obsoleta	0.				
Macoma balthica	16.				
Musculista senhousia	0.				
Mya arenaria	1.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ambeliscia abdita	39.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandiferella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	2.				
Heteromastus filiformis	10.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "a"	0.				
Oligochaeta spp.	34.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	10.				
Tharyx sp.	0.				

Table 2. Species count data for station 46 collected with an 8.5-cm diameter core from February 1974 through August 1983.

Station 46

Date: 01/FEB/74

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	442.	339.	526.	435.7	93.7
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	7.	5.	3.	5.0	2.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	3.	0.	0.	1.0	1.7
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ambeliscia abrita	0.	0.	0.	.0	.0
Balanus imorovisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	0.	0.	.0	.0
Sarsiella zostericola	8.	0.	2.	3.3	4.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	5.	5.	2.	4.0	1.7
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	3.	5.	1.	3.0	2.0
Marphysa sanguinea	0.	0.	1.	.3	.6
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	69.	48.	38.	51.7	15.8
Polydora ligni	1.	6.	3.	3.3	2.5
Pseudopolydora kemp	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	1.	0.	.3	.6
Streblospio benedicti	222.	263.	250.	245.0	21.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 09/APR/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	289.	165.	465.	306.3	154.7
Ilvanassa onsoleta	0.	0.	0.	.0	.0
Macoma balthica	2.	5.	2.	3.0	1.7
Musculista senhousia	0.	0.	0.	.0	.0
Nya arenaria	0.	0.	0.	.0	.0
Prosoplinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Amphelisca abdita	0.	2.	0.	.7	1.2
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	0.	0.	.0	.0
Sarsiella zostericola	1.	0.	0.	.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	0.	0.	.3	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	3.	6.	3.	4.0	1.7
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	2.	1.	2.	1.7	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	44.	70.	32.	48.7	19.4
Polydora ligni	9.	10.	4.	7.7	3.2
Pseudopolydora kempfi	0.	2.	1.	1.0	1.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	260.	222.	187.	223.0	36.5
Tharvx sp.	0.	0.	0.	.0	.0

Station 46

Date: 07/MAY/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	2.	0.	.7	1.2
Gemma gemma	582.	522.	434.	512.7	74.4
Ilyanassa obsoleta	1.	0.	1.	.7	.6
Macoma balthica	7.	2.	7.	5.3	2.9
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	3.	3.	4.	3.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	0.	1.	1.	.7	.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	1.	.7	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	1.	0.	0.	.3	.6
Sarsiella zostericola	1.	0.	3.	1.3	1.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	30.	42.	42.	38.0	6.9
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	4.	1.	2.0	1.7
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	20.	44.	25.	29.7	12.7
Polydora ligni	2.	1.	3.	2.0	1.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	156.	117.	131.	134.7	19.8
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 05/JUN/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	299.	418.	409.	375.3	66.3
Ilyanassa obsoleta	0.	2.	0.	.7	1.2
Macoma balthica	5.	9.	10.	8.0	2.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	6.	3.	2.	3.7	2.1
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	24.	27.	34.	28.3	5.1
Balanus improvisus	0.	1.	0.	.3	.6
Corophium acherusicum	3.	3.	0.	2.0	1.7
Corophium insidiosum	0.	1.	0.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	5.	8.	5.	6.0	1.7
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	71.	46.	27.	48.0	22.1
Sarsiella zostericola	1.	2.	5.	2.7	2.1
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	1.	0.	.7	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	12.	17.	11.	13.3	3.2
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	2.	1.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	17.	31.	51.	33.0	17.1
Polydora ligni	1.	2.	0.	1.0	1.0
Pseudopolydora kempfi	0.	0.	1.	.3	.6
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	7.	4.	4.	5.0	1.7
Tharyx sp.	1.	0.	0.	.3	.6

Station 46

Date: 05/JUL/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	0.	1.	0.	.3	.6
Gemma gemma	204.	303.	251.	252.7	49.5
Ilyanassa obsoleta	1.	0.	0.	.3	.6
Macoma balthica	5.	6.	8.	6.3	1.5
Musculista senhousia	0.	1.	0.	.3	.6
Mya arenaria	5.	3.	7.	5.0	2.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ambelisca abdita	36.	35.	37.	36.0	1.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	0.	1.	.7	.6
Corophium insidiosum	0.	0.	1.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	9.	4.	4.7	4.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandisierella japonica	1.	2.	1.	1.3	.6
Sarsiella zostericola	2.	7.	2.	3.7	2.9
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	13.	16.	10.	13.0	3.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	1.	1.	1.0	.0
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	21.	26.	27.	24.7	3.2
Polydora ligni	1.	0.	0.	.3	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Scionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	10.	10.	17.	12.3	4.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 4b

Date: 01/AUG/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	261.	456.	346.	354.3	97.8
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	6.	12.	3.	7.0	4.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	6.	13.	4.	7.7	4.7
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	96.	168.	51.	105.0	59.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	3.	1.	1.7	1.2
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	1.	6.	0.	2.3	3.2
Sarsiella zostericola	3.	1.	2.	2.0	1.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	5.	15.	6.	8.7	5.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	3.	1.	2.	2.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	16.	14.	17.	15.7	1.5
Polydora lioni	2.	0.	1.	1.0	1.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	9.	18.	11.	12.7	4.7
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 16/SEP/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	291.	144.	58.	164.3	117.8
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	5.	7.	5.	5.7	1.2
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	2.	6.	5.	4.3	2.1
Drosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	89.	104.	77.	90.0	13.5
Balanus imorovisus	0.	0.	0.	.0	.0
Corophium acherusicum	4.	3.	1.	2.7	1.5
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	3.	6.	2.	3.7	2.1
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	6.	8.	1.	5.0	3.6
Sarsiella zostericola	3.	4.	2.	3.0	1.0
Synidotea laticauda	0.	1.	0.	.3	.6
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	0.	0.	2.	.7	1.2
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	1.	1.	1.	1.0	.0
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	0.	0.	0.	.0	.0
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	2.	2.	9.	4.3	4.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 14/OCT/74

Sample size: 57 cm**2

SPECIES	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	1.	1.	0.	.7	.6
THERELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	1.	34.	39.	24.7	20.6
Gemma gemma	382.	574.	848.	601.3	234.2
Ilyanassa obsoleta	1.	0.	0.	.3	.6
Macoma balthica	5.	5.	7.	5.7	1.2
Musculista senhousia	0.	0.	3.	1.0	1.7
Mya arenaria	6.	5.	5.	5.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	108.	97.	111.	105.3	7.4
Balanus improvisus	0.	2.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	2.	1.	1.0	1.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	7.	10.	5.7	5.1
Grandidierella japonica	14.	26.	9.	16.3	8.7
Sarsiella zostericola	8.	18.	28.	18.0	10.0
Synidotea laticauda	2.	1.	2.	1.7	.6
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	1.	.3	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	4.	6.	9.	6.3	2.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	1.	1.	2.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	24.	38.	106.	56.0	43.9
Polydora ligni	2.	3.	0.	1.7	1.5
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	84.	99.	102.	95.0	9.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 11/NOV/74

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	3.	6.	0.	3.0	3.0
MOLLUSCA					
Boonea bisuturalis	13.	16.	15.	14.7	1.5
Gemma gemma	613.	1343	575.	843.7	432.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	3.	5.	6.	5.0	1.7
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	4.	3.	3.	3.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ameliscia abdita	39.	65.	30.	44.7	18.2
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	4.	0.	1.3	2.3
Grandidierella japonica	10.	37.	19.	22.0	13.7
Sarsiella zostericola	6.	24.	8.	12.7	9.9
Synidotea laticauda	0.	0.	1.	.3	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	4.	4.	6.	4.7	1.2
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	5.	5.	10.	6.7	2.9
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	2.	1.	1.	1.3	.6
Marphysa sanguinea	1.	0.	0.	.3	.6
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	73.	68.	62.	67.7	5.5
Polydora ligni	0.	12.	4.	5.3	6.1
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	1.	.3	.6
Spionidae sp.	0.	1.	0.	.3	.6
Streblospio benedicti	144.	193.	146.	161.0	27.7
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 12/DEC/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	29.	40.	46.	38.3	8.6
Gemma gemma	866.	709.	978.	851.0	135.1
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	4.	5.	4.	4.3	.6
Musculista senhousia	1.	0.	4.	1.7	2.1
Mya arenaria	2.	4.	3.	3.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	10.	22.	24.	18.7	7.6
Palanus improvisus	0.	0.	0.	.0	.0
Corophium acerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	9.	4.	10.	7.7	3.2
Grandidierella japonica	16.	29.	40.	28.3	12.0
Sarsiella zostericola	27.	19.	29.	25.0	5.3
Synidotea laticauda	0.	1.	0.	.3	.6
Tanais sp.	0.	1.	0.	.3	.6
POLYCHAETA					
Capitella "capitata"	1.	0.	0.	.3	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	11.	6.	6.	7.7	2.9
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	1.	2.	1.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	61.	76.	18.	51.7	30.1
Polydora ligni	3.	5.	6.	4.7	1.5
Pseudopolydora kempj	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	62.	97.	133.	97.3	35.5
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 08/JAN/75

Sample size: 57 cm**2

SPECIES	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	46.	13.	24.	27.7	16.8
Gemma gemma	539.	552.	770.	620.3	129.8
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	7.	2.	7.	5.3	2.9
Musculista senhousia	2.	1.	2.	1.7	.6
Mya arenaria	1.	3.	1.	1.7	1.2
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	6.	11.	20.	12.3	7.1
Balanus improvisus	0.	1.	0.	.3	.6
Corophium acherusicum	0.	1.	0.	.3	.6
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	8.	3.	1.	4.0	3.6
Cumella vulgaris	0.	0.	3.	1.0	1.7
Cyprideis sp.	5.	2.	2.	3.0	1.7
Grandidierella japonica	26.	54.	51.	43.7	15.4
Sarsiella zostericola	26.	45.	41.	37.3	10.0
Synidotea laticauda	0.	0.	1.	.3	.6
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	3.	3.	2.0	1.7
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	7.	4.	9.	6.7	2.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	2.	1.	0.	1.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	39.	30.	63.	44.0	17.1
Polydora ligni	3.	1.	7.	3.7	3.1
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	131.	147.	181.	153.0	25.5
Tharyx sp.	0.	0.	0.	.0	.0

Station 4b

Date: 06/FEB/75

Sample size: 57 cin**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	22.	9.	26.	19.0	8.9
Gemma gemma	466.	551.	381.	466.0	85.1
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	6.	3.	5.	4.7	1.5
Musculista senhousia	1.	0.	0.	.3	.6
Mya arenaria	1.	0.	2.	1.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ambeliscia abdita	15.	10.	6.	10.3	4.5
Balanus improvisus	0.	1.	0.	.3	.6
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	1.	0.	.7	.6
Cumella vulgaris	1.	1.	0.	.7	.6
Cyprideis sp.	3.	0.	4.	2.3	2.1
Grandidierella japonica	13.	12.	11.	12.0	1.0
Sarsiella zostericola	24.	22.	9.	18.3	8.1
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	1.	2.	1.0	1.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	3.	4.	5.	4.0	1.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	0.	1.	.7	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	86.	36.	20.	47.3	34.4
Polydora ligni	3.	3.	2.	2.7	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	1.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	145.	90.	79.	104.7	35.4
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 31/MAR/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea hisuturalis	6.	13.	15.	11.3	4.7
Gemma gemma	151.	204.	195.	183.3	28.4
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	2.	2.	2.	2.0	.0
Musculista senhousia	1.	1.	2.	1.3	.6
Mya arenaria	2.	0.	2.	1.3	1.2
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHRROPODA					
Ampelisca abdita	0.	2.	3.	1.7	1.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cutella vulgaris	1.	1.	2.	1.3	.6
Cyprideis sp.	5.	8.	7.	6.7	1.5
Grandidierella japonica	1.	0.	0.	.3	.6
Sarsiella zostericola	4.	5.	4.	4.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	1.	1.	1.0	.0
Chaetozona sp.	0.	0.	0.	.0	.0
Eteone californica	8.	6.	6.	6.7	1.2
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	0.	2.	1.	1.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	14.	9.	16.	13.0	3.6
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	64.	69.	79.	70.7	7.6
Tharyx sp.	0.	0.	0.	.0	.0

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	4.	17.	12.	11.0	6.6
Gemma gemma	199.	203.	187.	196.3	8.3
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	5.	4.	7.	5.3	1.5
Musculista senhousia	2.	2.	1.	1.7	.6
Mya arenaria	38.	57.	60.	51.7	11.9
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	7.	3.	6.	5.3	2.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	4.	0.	1.7	2.1
Corophium insidiosum	0.	0.	1.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	12.	11.	6.3	5.5
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	11.	19.	28.	19.3	8.5
Grandidierella japonica	4.	5.	2.	3.7	1.5
Sarsiella zostericola	12.	12.	9.	11.0	1.7
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	2.	0.	1.	1.0	1.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	28.	31.	41.	33.3	6.8
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	1.	0.	0.	.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	8.	3.	16.	9.0	6.6
Polydora liui	4.	1.	1.	2.0	1.7
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pyrosio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Stenolosio benedicti	59.	22.	44.	41.7	18.6
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 24/JUL/75

Sample size: 57 cm**2

SPECIES

	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	2.	3.	1.7	1.5
Gemma gemma	140.	89.	64.	97.7	38.7
Ilyanassa obsoleta	0.	1.	0.	.3	.6
Macoma balthica	5.	8.	5.	6.0	1.7
Musculista senhousia	0.	1.	1.	.7	.6
Mya arenaria	38.	15.	24.	25.7	11.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	16.	17.	24.	19.0	4.4
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	2.	0.	.7	1.2
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	2.	3.	1.7	1.5
Sarsiella zostericola	16.	6.	7.	9.7	5.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	0.	0.	.3	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	5.	7.	4.	5.3	1.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	2.	1.	1.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	5.	1.	3.0	2.0
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	5.	8.	9.	7.3	2.1
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 02/01/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
Cnidaria					
Anthozoa	0.	0.	0.	.0	.0
Turbellaria	0.	0.	0.	.0	.0
Mollusca					
Roonea bisuturalis	5.	2.	0.	2.3	2.5
Gemma gemma	63.	31.	33.	42.3	17.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	5.	0.	2.	2.3	2.5
Musculista senhousia	1.	2.	0.	1.0	1.0
Mya arenaria	25.	18.	13.	18.7	6.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
Arthropoda					
Ampelisca abdita	148.	48.	49.	81.7	57.4
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	0.	2.	1.0	1.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	5.	7.	4.7	2.5
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandisierella japonica	35.	13.	26.	24.7	11.1
Sarsiella zostericola	5.	4.	6.	5.0	1.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
Polychaeta					
Capitella "capitata"	2.	1.	1.	1.3	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	7.	4.	3.	4.7	2.1
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	0.	5.	2.	2.3	2.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	14.	30.	8.	17.3	11.4
Polydora ligni	0.	2.	0.	.7	1.2
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	1.	0.	0.	.3	.6
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	34.	17.	29.	26.7	8.7
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 13/NOV/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	3.	8.	6.	5.7	2.5
Gemma gemma	49.	103.	88.	80.0	27.9
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	10.	11.	6.	9.0	2.6
Musculista senhousia	1.	1.	0.	.7	.6
Nya arenaria	5.	13.	12.	10.0	4.4
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHEROPODA					
Amphelisca abdita	57.	50.	31.	46.0	13.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	3.	5.	2.7	2.5
Sarsiella zostericola	6.	15.	6.	9.0	5.2
Synidotea laticauda	0.	2.	0.	.7	1.2
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	2.	0.	.7	1.2
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	4.	5.	2.	3.7	1.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	0.	3.	1.	1.3	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	8.	25.	20.	17.7	8.7
Polydora ligni	1.	0.	0.	.3	.6
Pseudopolydora kempfi	0.	1.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	38.	47.	52.	45.7	7.1
Tharvix sp.	0.	0.	0.	.0	.0

Station 4b

Date: 27/JAN/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	1.	.3	.6
MOLLUSCA					
Boonea bisuturalis	14.	16.	16.	15.3	1.2
Gemma gemma	78.	74.	55.	69.0	12.3
Ilyanassa obsoleta	1.	0.	0.	.3	.6
Macoma balthica	9.	12.	6.	9.3	3.4
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	4.	4.	2.	3.3	1.2
Urosalpinx cinerea	1.	0.	0.	.3	.6
ARTHOPODA					
Ampelisca abdita	24.	28.	41.	31.0	8.9
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	0.	1.	.7	.6
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	0.	.3	.6
Cumella vulgaris	2.	1.	0.	1.0	1.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	11.	9.	2.	7.3	4.7
Sarsiella zostericola	3.	0.	3.	5.0	3.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	3.	3.	3.	3.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	12.	11.	12.	11.7	.6
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	1.	2.	1.3	.6
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	23.	17.	12.	17.3	5.5
Polydora ligni	0.	0.	2.	.7	1.2
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	5.	1.	0.	2.0	2.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	107.	98.	81.	95.3	13.2
Tharyx sp.	0.	1.	0.	.3	.6

Station 46

Date: 05/APR/76

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	1.	0.	0.	.3	.6
Gemma gemma	72.	73.	87.	77.3	8.4
Ilyanassa obsoleta	2.	1.	0.	1.0	1.0
Macoma balthica	1.	4.	9.	4.7	4.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	1.	1.	.7	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ambeliscia abdita	58.	84.	77.	73.0	13.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	2.	3.	3.	2.7	.6
Corophium insidiosum	0.	0.	2.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	4.	7.	1.	4.0	3.0
Cumella vulgaris	6.	10.	2.	6.0	4.0
Cyprideis sp.	0.	0.	2.	.7	1.2
Grandidierella japonica	2.	1.	0.	1.0	1.0
Sarsiella zostericola	18.	20.	7.	15.0	7.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	3.	5.	8.	5.3	2.5
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	7.	9.	2.	6.0	3.6
Glucinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	1.	1.	1.0	.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	15.	17.	35.	22.3	11.0
Polydora ligni	4.	5.	6.	5.0	1.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	2.	7.	3.0	3.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	47.	91.	101.	79.7	28.7
Tharyx sp.	0.	0.	0.	.0	.0

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	7.	4.	2.	4.3	2.5
Gemma gemma	102.	137.	235.	154.0	68.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	3.	5.	6.	4.7	1.5
Musculista senhousia	0.	0.	1.	.3	.6
Mya arenaria	5.	3.	4.	4.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
APHIROPODA					
Ampelisca abdita	100.	159.	200.	153.0	50.3
Alanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	27.	32.	19.	26.0	6.6
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	89.	121.	57.	89.0	32.0
Cumella vulgaris	0.	0.	1.	.3	.6
Cyprideis sp.	14.	34.	7.	18.3	14.0
Grandidierella japonica	4.	0.	0.	1.3	2.3
Sarsiella zostericola	45.	55.	34.	44.7	10.5
Synidotea laticauda	1.	0.	0.	.3	.6
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	10.	7.	6.	7.7	2.1
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	11.	12.	7.	10.0	2.6
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	1.	5.	6.	4.0	2.6
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	1.	0.	0.	.3	.6
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	33.	25.	27.	28.3	4.2
Polydora ligni	9.	6.	9.	8.0	1.7
Pseudopolydora kempfi	0.	2.	1.	1.0	1.0
Pygospio elegans	0.	0.	0.	.0	.0
Spinaerosyllis erinaceus	1.	0.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	191.	254.	292.	245.7	51.0
Tharyx sp.	0.	0.	0.	.0	.0

Station 46

Date: 12/AUG/76

Sample size: 57 cm**2

SPECIES	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	215.	356.	165.	245.3	99.0
Ilyanassa obsoleta	0.	1.	0.	.3	.6
Macoma balthica	2.	4.	4.	3.3	1.2
Musculista senhousia	0.	0.	0.	.0	.0
Aya arenaria	3.	3.	3.	3.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHEMOPODA					
Artemisia abdita	80.	149.	133.	137.3	59.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	2.	8.	24.	11.3	11.4
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	19.	63.	27.3	32.3
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Granditierella japonica	13.	16.	10.	13.0	3.0
Sarsiella zostericola	46.	49.	51.	48.7	2.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	7.	9.	10.	8.7	1.5
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	9.	6.	14.	9.7	4.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	4.	4.	4.	4.0	.0
Nereis sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta sp.	34.	43.	31.	36.0	6.2
Polydora lioni	1.	7.	2.	3.3	3.2
Pseudopolydora kempfi	1.	1.	0.	.7	.6
Pygospio elegans	0.	0.	0.	.0	.0
Spinaerosyllis erinaceus	0.	1.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	157.	173.	246.	192.0	47.4
Tharyx sp.	1.	1.	0.	.7	.6

Station 46

Date: 21/OCT/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TUBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	3.	1.	1.	1.7	1.2
Gemma gemma	112.	114.	208.	144.7	54.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	3.	3.	3.	3.0	.0
Musculista senhousia	1.	0.	0.	.3	.6
Mya arenaria	1.	0.	4.	1.7	2.1
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	191.	207.	200.	199.3	8.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	1.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cycrideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	2.	7.	3.0	3.6
Sarsiella zostericola	53.	71.	55.	59.7	9.9
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	2.	7.	3.3	3.2
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	0.	3.	2.	1.7	1.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	7.	10.	8.	8.3	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	34.	54.	25.	37.7	14.8
Polydora ligni	0.	1.	1.	.7	.6
Pseudopolydora kempi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	1.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	62.	126.	43.	77.0	43.5
Tharyx sp.	0.	1.	1.	.7	.6

Station 46

Date: 16/DEC/76

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURRELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	12.	4.	12.	9.3	4.6
Gemma gemma	163.	178.	94.	145.0	44.8
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	5.	2.	2.	3.0	1.7
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	158.	143.	155.	152.0	7.9
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	1.	0.	0.	.3	.6
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cutella vulgaris	1.	0.	0.	.3	.6
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	12.	7.	7.	8.7	2.9
Sarsiella zostericola	32.	55.	58.	48.3	14.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	2.	5.	12.	6.3	5.1
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	1.	2.	2.	1.7	.6
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	4.	2.	4.	3.3	1.2
Marenzelleria sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	1.	0.	.3	.6
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	44.	24.	72.	46.7	24.1
Polydora ligni	1.	0.	0.	.3	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	36.	51.	45.	44.0	7.5
Tharyx sp.	1.	0.	1.	.7	.6

Station 4b

Date: 14/FEB/77

Sample size: 57 cm**2

SPECIES	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	11.	3.	6.	6.7	4.0
Gemma gemma	91.	101.	94.	95.3	5.1
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma baltnica	1.	1.	0.	.7	.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	0.	.0	.0
Orosalpinx cinerea	0.	0.	0.	.0	.0
ARTHRPODA					
Ampelisca abdita	114.	173.	120.	135.7	32.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	1.	1.	0.	.7	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	5.	2.	2.7	2.1
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprineis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	5.	20.	12.	12.3	7.5
Sarsiella zostericola	34.	61.	38.	44.3	14.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	4.	7.	4.	5.0	1.7
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	1.	1.	3.	1.7	1.2
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	1.	11.	2.	4.7	5.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	15.	33.	32.	26.7	10.1
Polydora ligni	2.	1.	1.	1.3	.6
Pseudopolydora kempfi	1.	1.	0.	.7	.6
Pygospio elegans	0.	0.	2.	.7	1.2
Sphaerosyllis erinaceus	1.	16.	7.	8.0	7.5
Spionidae sp.	0.	0.	0.	.0	.0
Streplosio benedicti	27.	34.	28.	29.7	3.8
Tharyx sp.	2.	1.	1.	1.3	.6

Station 46

Date: 30/AUG/77

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TUBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	3.				
Gemma gemma	555.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	111.				
Balanus improvisus	0.				
Corophium acherusicum	1.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	5.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Granidiarella japonica	18.				
Sarsiella zostericola	15.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	7.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteronastus filiformis	9.				
Marphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	33.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	354.				
Tharyx sp.	2.				

Station 46

Date: 02/MAR/78

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	145.				
Llyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Amphelisca abdita	7.				
Halanus imrovisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	1.				
Cumella vulgaris	0.				
Cyprideis sp.	2.				
Grandidierella japonica	0.				
Sarsiella zostericola	2.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	6.				
Marphysa sanguinea	0.				
Nereis succinea	4.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	20.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pionosio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblosio benedicti	17.				
Tharvx sp.	2.				

Station 46

Date: 18/AUG/78

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	390.				
Ilvanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Ampelisca abdita	226.				
Balanus improvisus	0.				
Corophium acherusicum	1.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	5.				
Cumella vulgaris	0.				
Cyprideis sp.	1.				
Granditierella japonica	6.				
Sarsiella zostericola	3.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	3.				
Marphysa sanguinea	0.				
Nereis succinea	4.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	7.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	94.				
Tharyx sp.	2.				

Station 46

Date: 22/MAR/79

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	195.				
Ilyanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	0.				
Nya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	55.				
Balanus improvisus	0.				
Corophium acherusicum	1.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Granditierella japonica	1.				
Sarsiella zostericola	1.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	5.				
Marphysa sanguinea	0.				
Nereis succinea	4.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	26.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinacens	0.				
Spionidae sp.	0.				
Streblospio benedicti	80.				
Tharyx sp.	0.				

Station 46

Date: 07/AUG/79

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CAIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	2.				
Gemma gemma	668.				
Ilyanassa obsoleta	0.				
Macoma balthica	4.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Amphelisca abdita	324.				
Halanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	2.				
Cupella vulgaris	0.				
Cyprideis sp.	4.				
Grandidierella japonica	12.				
Sarsiella zostericola	12.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	3.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	3.				
Harpnysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	15.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	7.				
Tharyx sp.	0.				

Station 46

Date: 12/MAR/84

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	6.				
Gemma gemma	498.				
Ilvanassa obsoleta	0.				
Macoma balthica	2.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Amphelisca abdita	85.				
Balanus improvisus	0.				
Corophium acherusicum	4.				
Corophium insidiosum	1.				
Corophium sp.	0.				
Corophium spp.	13.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grantiierella japonica	3.				
Sarsiella zostericola	6.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	3.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	44.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	82.				
Tharyx sp.	0.				

Station 46

Date: 12/AUG/80

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	2.				
Gemma gemma	583.				
Ilyanassa obsoleta	0.				
Macoma balthica	26.				
Musculista senhousia	0.				
Mya arenaria	6.				
Dorsalpinx cinerea	0.				
ARTHRPODA					
Ampelisca abdita	131.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	1.				
Corophium sp.	0.				
Corophium spp.	5.				
Cumella vulgaris	0.				
Cyprideis sp.	15.				
Grandidierella japonica	3.				
Sarsiella zostericola	15.				
Svnlotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	4.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	5.				
Marphysa sanguinea	0.				
Nereis succinea	0.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	12.				
Polydora lioni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	71.				
Tharyx sp.	0.				

Station 4b

Date: 12/AAR/81

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	2.				
Gemma gemma	163.				
Ilyanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	2.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Amphelisca abdita	1.				
Balanus imbrovisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	32.				
Cumella vulgaris	1.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	10.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Cnaetozona sp.	0.				
Eteone californica	4.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	4.				
Marphysa sanguinea	0.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	14.				
Polydora lioni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Spaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	10.				
Tharyx sp.	0.				

Station 46

Date: 18/AUG/81

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	125.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	1.				
Urosalpinx cinerea	0.				
APHEROPODA					
Ampelisca abdita	128.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cycella vulgaris	0.				
Cyprideis sp.	0.				
Grandinierella japonica	3.				
Sarsiella zostericola	45.				
Svinfotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	4.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	4.				
Polydora lioni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	20.				
Tharyx sp.	0.				

Station 46

Date: 03/FEB/82

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	232.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	2.				
Cyprideis sp.	0.				
Grandidierella japonica	1.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	2.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	8.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	14.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	1.				
Spionidae sp.	0.				
Streblospio benedicti	18.				
Tharvix sp.	0.				

Station 46

Date: 11/4AY/82

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	2.				
Gemma gemma	454.				
Ilyanassa obsoleta	0.				
Macoma balthica	6.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Amphelisca abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cunella vulgaris	0.				
Cyprideis sp.	3.				
Grandinierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanaid sp.	0.				
POLYCHAETA					
Capitella "capitata"	1.				
Chaetozone sp.	0.				
Eteone californica	16.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heterostatus filiformis	5.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	1.				
Oligochaeta spp.	19.				
Polydora lioni	1.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	110.				
Tharyx sp.	0.				

Station 46

Date: 19/AUG/82

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
Cnidaria					
Anthozoa	0.				
Turbellaria	0.				
Mollusca					
Boonea bisuturalis	0.				
Gemma gemma	582.				
Ilyanassa obsoleta	0.				
Macoma balthica	2.				
Musculista senhousia	0.				
Mya arenaria	1.				
Orosalpinx cinerea	0.				
Artropoda					
Ampelisca abdita	5.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	1.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
Polychaeta					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	3.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	11.				
Marphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	4.				
Polydora lioni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	3.				
Tharyx sp.	0.				

Station 46

Date: 22/FEB/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	210.				
Ilvanassa obsoleta	0.				
Macona balthica	2.				
Musculista senhousia	0.				
Mya arenaria	1.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Amphelisca abdita	1.				
Halanus imrovisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	7.				
Marphysa sanguinea	0.				
Nereis succinea	4.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	19.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	17.				
Tharyx sp.	0.				

Station 46

Date: 18/MAY/83

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	2.				
Gemma gemma	2.				
Ilvanassa obsoleta	0.				
Macoma balthica	8.				
Musculista senhousia	0.				
Mya arenaria	1.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ameliscia abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Granditierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	9.				
Marphysa sanguinea	0.				
Nereis succinea	4.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	10.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	32.				
Tharyx sp.	0.				

Station 45

Date: 13/JUL/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TUBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	0.				
Gemma gemma	5.				
Ilvanassa onsoleta	0.				
Macoma balthica	12.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Annelisca abdita	17.				
Halanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	1.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	14.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	19.				
Polydora lioui	0.				
Pseudopolydora kempi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	11.				
Tharyx sp.	0.				

Station 46

Date: 10/AUG/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	11.				
Ilyanassa obsoleta	0.				
Macoma balthica	15.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
APHRORHODA					
Ampelisca abdita	63.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cutella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	2.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	8.				
Marphysa sanguinea	0.				
Nereis succinea	0.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	9.				
Polydora ligni	0.				
Pseudopolydora kempi	0.				
Pygospio elegans	0.				
Spinaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	8.				
Tharyx sp.	1.				

Table 3. Species count data for station 47 collected with an 8.5-cm diameter core from February 1974 through August 1983.

Station 47

Date: 01/FEB/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	1.	.3	.6
Gemma gemma	173.	191.	164.	176.0	13.7
Ilvanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	2.	0.	3.	1.7	1.5
Musculista senhousia	0.	0.	0.	.0	.0
Nya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	9.	13.	7.	9.7	3.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	1.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Granulidierella japonica	4.	1.	4.	3.0	1.7
Sarsiella zostericola	8.	8.	12.	9.3	2.3
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	1.	.3	.6
Eteone californica	1.	1.	4.	2.0	1.7
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	3.	7.	4.	4.7	2.1
Marephya sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	16.	2.	8.	8.7	7.0
Polydora ligni	0.	0.	2.	.7	1.2
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	1.	0.	1.	.7	.6
Spionidae sp.	1.	0.	0.	.3	.6
Streblospio benedicti	124.	170.	138.	144.0	23.6
Tnaryx sp.	0.	0.	0.	.0	.0

Station 47

Date: 09/APR/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	4.	3.	4.	3.7	.6
Gemma gemma	248.	298.	174.	239.8	59.5
Ilvanassa obsoleta	0.	2.	0.	.7	1.2
Macoma balthica	2.	2.	1.	1.7	.6
Musculista senhousia	1.	0.	0.	.3	.6
Mya arenaria	0.	0.	0.	.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ameliscia abdita	2.	1.	1.	1.3	.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	1.	0.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cutella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Granidiellerella japonica	0.	3.	1.	1.3	1.5
Sarsiella zostericola	8.	6.	5.	6.3	1.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	1.	2.	1.	1.3	.6
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	1.	0.	.0	.0
Heteromastus filiformis	5.	2.	5.	4.0	1.7
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	5.	6.	4.	5.0	1.0
Polydora lioui	0.	0.	0.	.0	.0
Pseudopolydora kempfi	1.	0.	0.	.3	.6
Pygospio elegans	0.	0.	0.	.0	.0
Spaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	126.	98.	96.	106.7	16.8
Tharyx sp.	0.	0.	0.	.0	.0

Station 47

Date: 07/MAY/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	3.	0.	1.	1.3	1.5
Gemma gemma	363.	506.	422.	430.3	71.9
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	0.	7.	4.	3.7	3.5
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	6.	3.	3.	4.0	1.7
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Amphelisca abdita	2.	7.	4.	4.3	2.5
Balanus imrovisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	4.	2.	2.3	1.5
Cutella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	1.	3.	0.	1.3	1.5
Sarsiella zostericola	13.	16.	13.	14.0	1.7
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaid sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	12.	11.	26.	16.3	8.4
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	4.	4.	4.	4.0	.0
Marpysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	3.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	4.	5.	7.	5.3	1.5
Polydora ligni	2.	1.	4.	2.3	1.5
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	192.	127.	141.	153.3	34.2
Tharyx sp.	0.	0.	1.	.3	.6

Station 47

Date: 05/JUN/74

Sample size: 57 cm**2

SPECIES	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TUBRELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Roonea bisuturalis	1.	1.	0.	.7	.6
Gemma beta	521.	491.	522.	448.0	6.1
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	4.	0.	3.	2.3	2.1
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	11.	12.	2.	6.3	5.5
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ameliscia abdita	10.	10.	2.	11.3	8.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	1.	0.	0.	.3	.6
Corophium insidiosum	3.	2.	1.	2.0	1.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium sp.	10.	7.	1.	6.0	4.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	13.	11.	3.	9.0	5.3
Sarsiella zostericola	11.	10.	9.	10.0	1.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	2.	0.	2.	1.3	1.2
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	17.	9.	19.	15.0	5.3
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imoricata	0.	0.	0.	.0	.0
Heteromastus filiformis	3.	1.	6.	3.3	2.5
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	12.	6.	0.	6.0	6.0
Polydora lioni	5.	1.	0.	2.0	2.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	20.	19.	6.	15.0	7.8
Tharyx sp.	1.	0.	0.	.3	.6

Station 47

Date: 05/JUL/74

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	4.	0.	1.3	2.3
Gemma gemma	482.	321.	218.	340.3	133.1
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	4.	4.	3.0	1.7
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	11.	0.	5.	5.3	5.5
Mytilus edulis	0.	0.	0.	.0	.0
ARTHRPODA					
Amphelisca abdita	27.	19.	8.	18.0	9.5
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	2.	3.	0.	1.7	1.5
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	21.	16.	2.	13.0	9.8
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	38.	13.	17.	22.7	13.4
Sarsiella zostericola	22.	10.	4.	12.0	9.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	11.	9.	3.	7.7	4.2
Glycinde sp.	0.	0.	0.	.0	.0
Harpatorhoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	10.	5.	2.	5.7	4.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	4.	7.	0.	3.7	3.5
Polydora lioni	0.	1.	1.	.7	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	4.	4.	1.	3.0	1.7
Tharyx sp.	0.	1.	0.	.3	.6

Station 47

Date: 02/AUG/74

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TUBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	330.	130.	164.	208.0	107.0
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	5.	1.	2.0	2.6
Musculista senhousia	3.	0.	0.	1.0	1.7
Mya arenaria	2.	1.	3.	2.0	1.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHOPODA					
Ameliscia addita	34.	21.	15.	23.3	9.7
Balanus imrovisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	49.	7.	6.	20.7	24.5
Cumea vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	26.	7.	12.	15.0	9.8
Sarsiella zostericola	7.	5.	7.	6.3	1.2
Synidotea laticauda	1.	0.	0.	.3	.6
Tanaid sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	8.	6.	7.	7.0	1.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	2.	5.	3.	3.3	1.5
Paraprionospio sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	0.	0.	0.	.0	.0
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	5.	3.	2.	3.3	1.5
Tharyx sp.	0.	0.	0.	.0	.0

Station 47

Date: 16/SEP/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	1.	.3	.6
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisituralis	0.	0.	0.	.0	.0
Gemma gemma	73.	51.	143.	89.0	48.0
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	2.	4.	0.	2.0	2.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	3.	0.	2.	1.7	1.5
Orosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Amphelisca abdita	17.	26.	1.	14.7	12.7
Balanus improvisus	0.	0.	0.	.0	.0
Corophium achnerusicum	2.	9.	1.	4.0	4.4
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	2.	2.	2.0	.0
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	0.	5.	2.	2.3	2.5
Sarsiella zostericola	1.	0.	0.	.3	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	0.	.0	.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	2.	7.	3.	4.0	2.6
Glycinde sp.	0.	0.	0.	.0	.0
Harrothoe imbricata	1.	0.	0.	.0	.0
Heteromastus filiformis	2.	1.	5.	2.7	2.1
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	0.	0.	0.	.0	.0
Polydora ligni	1.	0.	0.	.3	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	14.	6.	4.	8.0	5.3
Tarvix sp.	0.	0.	0.	.0	.0

Station 47

Date: 14/OCT/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Hydrobia ulnaria	9.	2.	9.	6.7	4.0
Gemma gemma	329.	415.	550.	431.3	111.4
Ilyanassa obsoleta	0.	1.	0.	.3	.6
Macoma balthica	2.	3.	1.	2.0	1.0
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	4.	3.	1.	2.7	1.5
Grosalpinx cinerea	0.	0.	0.	.0	.0
ARTHEROPODA					
Amphelisca abdita	48.	78.	62.	62.7	15.0
Alpheus heterochaelis	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	1.	0.	4.	1.7	2.1
Grandidierella japonica	10.	11.	16.	12.3	3.2
Sarsiella zostericola	10.	9.	23.	14.0	7.8
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaid sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	0.	0.	.3	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	2.	3.	4.	3.0	1.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	4.	10.	4.	6.0	3.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	1.	.3	.6
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	4.	7.	6.	5.7	1.5
Polydora ligni	7.	0.	3.	3.3	3.5
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	33.	46.	51.	43.3	9.3
Tharyx sp.	1.	0.	0.	.3	.6

Station 47

Date: 11/10/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea hisuturalis	8.	17.	30.	18.3	11.1
Gemma gemma	523.	648.	394.	520.3	129.0
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	2.	1.	1.3	.6
Musculista senhousia	1.	4.	0.	1.7	2.1
Mya arenaria	3.	4.	3.	3.3	.6
Urosalpinx cinerea	0.	1.	0.	.3	.6
ARTHEROPODA					
Ampelisca abdita	44.	52.	52.	49.3	4.6
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	2.	0.	.7	1.2
Cumella vulgaris	1.	0.	0.	.3	.6
Cyprideis sp.	6.	1.	0.	2.3	3.2
Grandidierella japonica	44.	90.	50.	61.3	25.0
Sarsiella zostericola	21.	24.	18.	21.0	3.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	1.	1.	.7	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	2.	2.	2.	2.0	.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	4.	3.	1.	2.7	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	4.	7.	1.	4.0	3.0
Polydora lioni	4.	6.	2.	4.0	2.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	1.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	81.	99.	88.	89.3	9.1
Tharyx sp.	0.	2.	1.	1.0	1.0

Station 47

Date: 10/DEC/74

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	15.	15.	11.	13.7	2.3
Genma genma	369.	534.	430.	444.3	83.4
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	5.	1.	1.	2.3	2.3
Musculista senhousia	0.	0.	3.	1.0	1.7
Mva arenaria	1.	1.	1.	1.0	.0
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHEROPODA					
Ampelisca abdita	14.	26.	24.	21.3	6.4
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	1.	0.	0.	.3	.6
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	0.	0.	.7	1.2
Cumella vulgaris	0.	0.	0.	.0	.0
Cyrrideis sp.	8.	0.	5.	4.3	4.0
Grandisierella japonica	26.	30.	28.	30.0	5.3
Sarsiella zostericola	21.	32.	34.	29.0	7.0
Synidotea latifanda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	3.	1.	3.	2.3	1.2
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	2.	0.	0.	2.7	3.1
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	2.	5.	6.	4.3	2.1
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	13.	5.	18.	12.0	6.6
Polydora ligni	2.	2.	4.	2.7	1.2
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	2.	1.	3.	2.0	1.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	52.	119.	116.	95.7	37.8
Tharyx sp.	1.	0.	1.	.7	.6

Station 47

Date: 08/JAN/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	4.	15.	11.	10.0	5.6
Gemma gemma	321.	512.	315.	376.0	118.0
Ilyanassa obsoleta	1.	3.	0.	1.3	1.5
Macoma balthica	3.	0.	1.	1.0	3.6
Musculista senhousia	0.	1.	1.	.7	.6
Mya arenaria	4.	2.	2.	2.7	1.2
Orosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	7.	10.	20.	12.3	6.8
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	2.	0.	1.0	1.0
Cumella vulgaris	2.	0.	0.	.7	1.2
Cyprideis sp.	5.	1.	0.	2.0	2.6
Grandisierella japonica	13.	23.	7.	14.3	8.1
Sarsiella zostericola	20.	30.	27.	31.7	6.4
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	0.	2.	1.0	1.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	3.	5.	2.	3.3	1.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	5.	4.	3.	4.0	1.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	5.	0.	8.	6.3	1.5
Polydora ligni	2.	5.	1.	2.7	2.1
Pseudopolydora kempfi	0.	0.	2.	.7	1.2
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	2.	0.	1.	1.0	1.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	113.	92.	75.	93.3	19.0
Tharyx sp.	1.	1.	0.	.7	.6

Station 47

Date: 06/FEB/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	0.0	0.0
TURBELLARIA	0.	0.	0.	0.0	0.0
MOLLUSCA					
Boonea bisuturalis	23.	2.	7.	10.7	11.0
Gemma gemma	540.	286.	320.	377.3	140.2
Ilyanassa obsoleta	0.	0.	0.	0.0	0.0
Macoma balthica	3.	3.	2.	2.7	0.0
Musculista senhousia	1.	1.	1.	1.0	0.0
Mya arenaria	2.	1.	0.	1.0	1.0
Urosalpinx cinerea	0.	1.	0.	0.3	0.0
ARTHROPODA					
Ampelisca abdita	8.	9.	11.	9.3	1.5
Balanus improvisus	0.	0.	0.	0.0	0.0
Corophium acherusicum	0.	0.	0.	0.0	0.0
Corophium insidiosum	0.	0.	0.	0.0	0.0
Corophium sp.	0.	0.	0.	0.0	0.0
Corophium spp.	1.	0.	0.	0.3	0.6
Cumella vulgaris	2.	1.	3.	2.0	1.0
Cyprideis sp.	5.	1.	1.	2.3	2.3
Grandidierella japonica	10.	0.	11.	9.7	1.5
Sarsiella zostericola	30.	20.	10.	26.7	9.0
Synidotea laticauda	0.	0.	0.	0.0	0.0
Tanaeis sp.	0.	0.	0.	0.0	0.0
POLYCHAETA					
Capitella "capitata"	0.	3.	3.	4.0	1.7
Chaetozone sp.	0.	0.	0.	0.0	0.0
Eteone californica	3.	4.	3.	3.3	0.6
Glycinde sp.	0.	0.	0.	0.0	0.0
Harmothoe imbricata	0.	0.	0.	0.0	0.0
Heteromastus filiformis	7.	7.	1.	5.0	3.5
Marphysa sanguinea	0.	0.	0.	0.0	0.0
Nereis succinea	0.	0.	0.	0.0	0.0
Oligochaeta sp. "c"	0.	0.	0.	0.0	0.0
Oligochaeta sp. "d"	0.	0.	0.	0.0	0.0
Oligochaeta spp.	12.	8.	5.	8.3	3.5
Polydora ligni	3.	1.	1.	1.7	1.2
Pseudopolydora kempfi	0.	0.	1.	0.3	0.6
Pygospio elegans	0.	0.	0.	0.0	0.0
Sphaerosyllis erinaceus	2.	1.	0.	1.0	1.0
Spionidae sp.	0.	0.	0.	0.0	0.0
Streblospio benedicti	75.	92.	50.	74.3	18.0
Tharyx sp.	0.	0.	0.	0.0	0.0

Station 47

Date: 31/MAR/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	1.	0.	0.	.3	.6
MOLLUSCA					
Boonea bisuturalis	36.	21.	14.	23.7	11.2
Gemma gemma	366.	240.	325.	310.3	64.3
Ilyanassa obsoleta	3.	1.	1.	1.7	1.2
Macoma balthica	3.	2.	2.	2.3	.6
Musculista senhousia	5.	1.	1.	2.3	2.3
Mya arenaria	0.	1.	1.	.7	.6
Orosalpinx cinerea	0.	0.	0.	.0	.0
ARTHRPODA					
Ampelisca abdita	0.	4.	1.	1.7	2.1
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	11.	0.	0.	3.7	6.4
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	0.	0.	0.	.0	.0
Cumella vulgaris	6.	0.	1.	2.3	3.2
Cyprideis sp.	0.	3.	0.	3.0	3.0
Grandidierella japonica	1.	0.	3.	4.3	5.1
Sarsiella zostericola	27.	4.	15.	15.3	11.5
Synidotea laticauda	0.	3.	0.	1.0	1.7
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	3.	1.	1.3	1.5
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	4.	4.	3.	3.7	.6
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	5.	11.	2.	6.0	4.6
Marphysa sanguinea	0.	0.	1.	.0	.0
Nereis succinea	0.	0.	1.	.3	.6
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	9.	7.	6.3	3.1
Polydora ligni	1.	0.	1.	.7	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Spaeriosyllis erinaceus	1.	0.	0.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	54.	56.	64.	58.0	5.3
Tharyx sp.	1.	0.	0.	.3	.6

Station 47

Date: 29/MAY/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	21.	23.	22.	22.0	1.0
Gemma gemma	327.	331.	404.	354.0	43.3
Ilyanassa obsoleta	0.	1.	1.	.7	.6
Macoma balthica	1.	5.	3.	3.0	2.0
Musculista senhousia	1.	0.	2.	1.0	1.0
Mya arenaria	253.	267.	291.	270.3	19.2
Dorsaliolex cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Ampelisca abdita	6.	4.	2.	4.0	2.0
Balanus improvisus	0.	1.	0.	.0	.0
Corophium acnerusicum	10.	7.	2.	6.3	4.0
Corophium insidiosum	13.	2.	10.	8.3	5.7
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	37.	44.	58.	46.3	14.7
Cumella vulgaris	0.	1.	2.	1.0	1.0
Cyprideis sp.	6.	15.	10.	10.3	4.5
Grandinierella japonica	5.	4.	18.	9.0	7.8
Sarsiella zostericola	20.	38.	32.	30.0	9.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaïs sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	4.	2.	2.0	2.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	21.	31.	39.	30.3	9.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	3.	4.	4.	3.7	.6
Marenzelleria sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	6.	8.	5.7	2.5
Polynora lioni	4.	5.	2.	3.7	1.5
Pseudopolydora kempfi	0.	1.	0.	.3	.6
Pygospio elegans	0.	0.	0.	.0	.0
Spinaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	27.	44.	50.	40.3	11.9
Tharyx sp.	0.	0.	1.	.3	.6

Station 47

Date: 24/JUL/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	8.	5.	0.	4.3	4.0
Gemma gemma	168.	238.	246.	217.3	42.9
Ilyanassa orsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	2.	2.	1.3	1.2
Musculista senhousia	1.	0.	1.	.7	.6
Mya arenaria	77.	83.	143.	87.7	13.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Appeliscia abdita	14.	12.	22.	16.0	5.3
Halaeus itorovisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	5.	2.	4.	3.7	1.5
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	5.	2.	7.	4.7	2.5
Grandidierella japonica	9.	8.	11.	9.3	1.5
Sarsiella zostericola	11.	22.	35.	22.7	12.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	1.	1.	0.	.7	.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	6.	4.	5.	5.0	1.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus filiformis	7.	3.	5.	5.0	2.0
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	2.	1.	3.	2.0	1.0
Polydora liui	0.	0.	0.	.0	.0
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	7.	3.	1.	3.7	3.1
Tharyx sp.	1.	1.	0.	.7	.6

Station 47

Date: 02/01/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
Cnidaria					
Anthozoa	1.	0.	1.	.7	.6
TURFELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	4.	7.	8.	6.3	2.1
Gemma gemma	52.	56.	112.	73.3	33.5
Ilyanassa obsoleta	0.	0.	1.	.3	.6
Macoma balthica	0.	2.	2.	1.3	1.2
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	16.	32.	18.	22.4	8.7
Dorsaloinx cinerea	0.	0.	0.	.0	.0
ARTUROPODA					
Amphelisca abdita	98.	72.	19.	63.0	40.3
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	0.	0.	.7	1.2
Cumea vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	2.	3.	1.	2.0	1.0
Grandidierella japonica	6.	7.	6.	6.3	.6
Sarsiella zostericola	5.	3.	9.	5.7	3.1
Synidotea laticauda	2.	2.	0.	1.3	1.2
Tanaid sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	3.	3.	7.	4.3	2.3
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	9.	1.	4.	4.7	4.0
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	8.	5.	8.	7.0	1.7
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	5.	1.	11.	5.7	5.0
Polydora ligni	1.	0.	1.	.7	.6
Pseudopolydora kempfi	1.	0.	0.	.3	.6
Pseudosquilla elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	23.	8.	6.	12.3	9.3
Tharyx sp.	0.	0.	0.	.0	.0

Station 47

Date: 13/Nov/75

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea hisuturalis	14.	12.	5.	10.3	4.7
Gemma gemma	65.	53.	78.	65.3	12.5
Ilyanassa obsoleta	0.	1.	0.	.3	.6
Macoma balthica	1.	1.	1.	1.0	.0
Musculista senhousia	0.	2.	0.	.7	1.2
Mya arenaria	21.	14.	14.	16.3	4.3
Urosalpinx cinerea	0.	0.	0.	.0	.3
ARTHRPODA					
Ameliscia abdita	123.	128.	187.	146.0	35.6
Balanus improvisus	0.	0.	0.	.0	.2
Corophium acherusicum	0.	0.	0.	.0	.3
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	1.	0.	2.	1.0	1.0
Cyrella vulgaris	0.	0.	0.	.0	.0
Cyrtideis sp.	0.	16.	1.	5.7	9.2
Grandisierella japonica	3.	9.	10.	7.3	3.8
Sarsiella zostericola	6.	7.	7.	6.7	.6
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	4.	8.	17.	9.7	6.7
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	4.	3.	2.	3.0	1.0
Glycinde sp.	0.	0.	0.	.0	.0
Hartmannia imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	5.	8.	9.	7.3	2.1
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	5.	2.	8.	5.0	3.0
Polydora ligni	3.	0.	1.	1.3	1.5
Pseudopolydora kempfi	1.	0.	1.	.7	.6
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	0.	.0	.0
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	44.	53.	74.	57.0	15.4
Tharyx sp.	0.	0.	0.	.0	.0

Station 47

Date: 27/JAN/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	24.	10.	16.	16.7	7.0
Gemma gemma	39.	24.	42.	35.0	9.0
Llyanassa orsoleta	0.	0.	1.	.3	.6
Macoma baltica	0.	0.	1.	.3	.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	0.	1.	.3	.6
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARCHEOPODA					
Ampelisca adita	125.	75.	90.	94.0	15.0
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	4.	0.	3.	2.3	2.1
Cumella vulgaris	2.	2.	0.	1.3	1.2
Cyprideis sp.	4.	6.	6.	5.3	1.2
Grandidierella japonica	43.	30.	25.	32.7	9.3
Sarsiella zostericola	11.	3.	8.	7.3	4.0
Synidotea laticauda	0.	0.	0.	.0	.0
Tanaids sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	0.	13.	4.3	4.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	8.	5.	6.	6.3	1.5
Glycinde sp.	0.	1.	0.	.3	.6
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	5.	2.	2.	3.0	1.7
Aerobysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	4.	7.	11.	7.3	3.5
Polydora ligni	3.	4.	2.	3.0	1.5
Pseudopolydora kempfi	3.	0.	0.	1.0	1.7
Pygospio elegans	1.	0.	1.	.7	.6
Sphaerosyllis erinaceus	3.	2.	13.	6.0	6.1
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	54.	65.	68.	62.3	7.4
Tarix sp.	0.	1.	1.	.7	.0

Station 47

Date: 15/APR/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
Cnidaria					
Anthozoa	0.	0.	0.	.0	.0
Turbellaria	0.	0.	0.	.0	.0
Mollusca					
Boonea bisuturalis	5.	5.	7.	5.7	1.2
Gemma gemma	38.	23.	26.	29.0	7.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	0.	0.	0.	.0	.0
Musculista senhousia	1.	0.	0.	.3	.6
Aya arenaria	1.	1.	0.	.7	.6
Dorsalpinx cinerea	0.	0.	0.	.0	.0
Arthropoda					
Amphelisca abdita	104.	170.	130.	134.7	33.2
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acnerusicum	20.	33.	21.	24.7	7.2
Corophium insidiosum	0.	3.	0.	1.0	4.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	60.	77.	51.	62.7	13.2
Cunella vulgaris	1.	13.	1.	5.0	6.9
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	18.	32.	23.	24.3	7.1
Sarsiella zostericola	7.	40.	14.	20.3	17.4
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
Polychaeta					
Capitella "capitata"	0.	13.	9.	4.3	3.5
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	9.	4.	7.	6.7	2.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	1.	1.	7.	3.0	3.5
Heteromastus filiformis	5.	0.	8.	6.3	1.5
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	1.	0.	.3	.6
Oligochaeta sp. "c"	0.	0.	1.	.3	.6
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	3.	0.	2.	3.7	2.1
Polydora ligni	10.	13.	7.	10.0	3.0
Pseudopolydora kempfi	1.	1.	2.	1.3	.6
Pionospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	4.	34.	1.	13.0	18.2
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	112.	116.	82.	103.3	18.6
Tharyx sp.	0.	1.	1.	.7	.6

Station 47

Date: 03/09/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	1.	.3	.6
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	0.	0.	0.	.0	.0
Gemma gemma	31.	36.	36.	34.3	2.9
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	0.	0.	.3	.6
Musculista senhousia	0.	1.	0.	.3	.6
Aya arenaria	0.	0.	1.	2.3	3.2
Urosalpinx cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Amphelisca abdita	176.	104.	148.	142.7	36.3
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	173.	147.	133.	151.0	28.3
Corophium insidiosum	5.	3.	3.	3.7	1.2
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	420.	294.	395.	369.7	66.7
Cumella vulgaris	2.	2.	3.	2.3	.6
Cyprideis sp.	0.	0.	0.	.0	.0
Grandisierella japonica	20.	12.	18.	18.7	7.0
Sarsiella zostericola	17.	18.	33.	22.7	9.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	25.	18.	21.	21.3	3.5
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	6.	7.	10.	7.7	2.1
Glycinde sp.	0.	0.	0.	.0	.0
Harpatoche imbricata	0.	0.	1.	.3	.6
Heteromastus filiformis	6.	6.	12.	8.7	3.1
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	1.	.3	.6
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	11.	8.	84.	34.3	43.0
Polydora ligni	9.	13.	4.	8.7	4.5
Pseudopolydora kemp	4.	0.	2.	4.0	2.0
Pyrosio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	12.	6.	9.	9.7	2.1
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	122.	160.	147.	143.0	19.3
Tharyx sp.	1.	0.	1.	.7	.6

Station 47

Date: 12/AUG/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	1.	.3	.6
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	3.	0.	2.	1.7	1.5
Gemma gemma	172.	71.	183.	142.0	61.7
Ilyanassa obsoleta	2.	0.	0.	.7	1.2
Macoma balthica	0.	0.	0.	.0	.0
Musculista senhousia	0.	0.	0.	.0	.0
Nya arenaria	0.	0.	0.	.0	.0
Orosalpinx cinerea	0.	0.	1.	.3	.6
ARTHROPODA					
Ameliscia abdita	93.	47.	99.	79.7	28.4
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acherusicum	61.	25.	63.	49.7	21.4
Corophium insidiosum	1.	1.	5.	2.3	2.3
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	129.	87.	138.	118.0	27.2
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandidierella japonica	25.	11.	21.	19.0	7.2
Sarsiella zostericola	28.	22.	49.	33.0	14.2
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	4.	25.	7.	12.0	11.4
Cnaetozone sp.	0.	0.	0.	.0	.0
Cteone californica	5.	0.	4.	3.0	2.6
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	1.	0.	.3	.6
Heteromastus filiformis	11.	10.	18.	13.0	4.4
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	1.	.3	.6
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	12.	13.	9.	11.3	2.1
Polydora liani	0.	0.	1.	.3	.6
Pseudopolydora kempfi	0.	0.	0.	.0	.0
Pyrosospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	3.	1.	1.3	1.5
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	23.	13.	30.	22.0	8.5
Tharyx sp.	4.	4.	1.	3.0	1.7

Station 47

Date: 21/001/76

Sample size: 57 cm**2

SPECIES

	1	2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	11.	7.	3.	7.0	4.0
Gemma gemma	86.	251.	202.	179.7	84.7
Ilyanassa obsoleta	2.	0.	0.	.7	1.2
Macoma balthica	0.	0.	0.	.0	.0
Musculista senhousia	0.	0.	0.	.0	.0
Pala arenaria	3.	4.	2.	3.0	1.0
Procladius cinerea	0.	0.	0.	.0	.0
ARTHROPODA					
Amphelisca abdita	77.	96.	85.	86.0	9.5
Calanus inornatus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium sp.	0.	1.	0.	.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandinierella japonica	2.	8.	5.	5.0	3.0
Sarsiella zostericola	13.	43.	40.	32.0	16.5
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	0.	2.	7.	3.0	3.6
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	0.	3.	0.	1.0	1.7
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	11.	11.	20.	14.0	5.2
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta sp.	7.	26.	23.	18.7	10.2
Polydora ligni	0.	0.	0.	.0	.0
Pseudopolydora kempfi	1.	2.	0.	1.0	1.0
Pygospio elegans	0.	0.	0.	.0	.0
Sphaerosyllis erinaceus	0.	0.	1.	.3	.6
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	19.	24.	15.	19.3	4.5
Tharyx sp.	1.	3.	1.	1.7	1.2

Station 47

Date: 16/DEC/76

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.0
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	14.	13.	19.	15.3	3.2
Gemma gemma	204.	152.	198.	184.7	28.4
Ilyanassa obsoleta	1.	0.	0.	.3	.6
Macoma balthica	0.	0.	1.	.3	.6
Musculista senhousia	0.	0.	1.	.3	.6
Nya arenaria	0.	3.	1.	1.3	1.5
Prosalpinx cinerea	0.	1.	0.	.3	.6
ARTHRORHIZA					
Atteelisca addita	123.	114.	111.	116.3	6.2
Balanus tintinnulus	0.	0.	0.	.0	.0
Corophium acherusicum	0.	0.	0.	.0	.0
Corophium insidiosum	0.	0.	0.	.0	.0
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	2.	3.	2.3	.6
Cumella vulgaris	0.	0.	0.	.0	.0
Cyprideis sp.	0.	0.	0.	.0	.0
Grandisierella japonica	9.	8.	12.	9.7	2.1
Sarsiella zostericola	13.	20.	38.	23.7	12.9
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	4.	9.	12.	8.3	4.0
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	4.	1.	2.	2.3	1.5
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteronastus tiliformis	12.	8.	16.	12.0	4.0
Narphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	0.	10.	17.	9.0	8.5
Polydora ligni	12.	11.	7.	10.0	2.6
Pseudopolydora kempfi	1.	3.	5.	3.0	2.0
Pygospio elegans	0.	0.	0.	.0	.0
Spinaerosyllis erinaceus	1.	1.	5.	2.3	2.3
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	55.	69.	49.	57.7	10.3
Tharyx sp.	0.	2.	1.	1.0	1.0

Station 47

Date: 14/FEB/77

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.	0.	0.	.0	.3
TURBELLARIA	0.	0.	0.	.0	.0
MOLLUSCA					
Boonea bisuturalis	10.	5.	6.	7.0	2.6
Gemma gemma	180.	95.	153.	142.7	43.4
Ilyanassa obsoleta	0.	0.	0.	.0	.0
Macoma balthica	1.	0.	0.	.3	.6
Musculista senhousia	0.	0.	0.	.0	.0
Mya arenaria	0.	1.	1.	.7	.6
Mytilus edulis	0.	0.	0.	.0	.0
ACTINOPODA					
Amoebiscus abdita	55.	78.	57.	63.3	12.7
Balanus improvisus	0.	0.	0.	.0	.0
Corophium acutus	2.	1.	0.	1.0	1.0
Corophium insidiosum	1.	0.	0.	.3	.6
Corophium sp.	0.	0.	0.	.0	.0
Corophium spp.	2.	3.	1.	2.0	1.0
Cumella vulgaris	1.	0.	0.	.3	.6
Cyprideis sp.	1.	0.	2.	1.0	1.0
Granditierella japonica	8.	7.	8.	7.7	.6
Sarsicella zostericola	20.	16.	20.	18.7	2.3
Synidotea laticauda	0.	0.	0.	.0	.0
Tanais sp.	0.	0.	0.	.0	.0
POLYCHAETA					
Capitella "capitata"	2.	5.	9.	5.3	3.5
Chaetozone sp.	0.	0.	0.	.0	.0
Eteone californica	1.	5.	2.	2.7	2.1
Glycinde sp.	0.	0.	0.	.0	.0
Harmothoe imbricata	0.	0.	0.	.0	.0
Heteromastus filiformis	12.	11.	8.	10.3	2.1
Marphysa sanguinea	0.	0.	0.	.0	.0
Nereis succinea	0.	0.	0.	.0	.0
Oligochaeta sp. "c"	0.	0.	0.	.0	.0
Oligochaeta sp. "d"	0.	0.	0.	.0	.0
Oligochaeta spp.	5.	17.	20.	14.0	7.9
Polydora ligni	1.	4.	5.	3.3	2.1
Pseudopolydora kempfi	1.	2.	4.	2.3	1.5
Pygospio elegans	2.	0.	1.	1.0	1.0
Sphaerosyllis erinaceus	1.	6.	15.	7.3	7.1
Spionidae sp.	0.	0.	0.	.0	.0
Streblospio benedicti	36.	54.	67.	53.0	14.5
Tharyx sp.	1.	0.	1.	.7	.6

Station 47

Date: 13/SEP/77

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLUSCA					
Boonea bisuturalis	11.				
Gemma gemma	510.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	2.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Ameliscia abdita	193.				
Halanus imrovisus	0.				
Corophium acherusicum	1.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	9.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	9.				
Sarsiella zostericola	17.				
Synidotea laticauda	1.				
Tanaid sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	2.				
Glycinde sp.	2.				
Harmothoe imbricata	0.				
Heteromastus filiformis	12.				
Marphysa sanguinea	0.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	3.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	56.				
Tharyx sp.	1.				

Station 47

Date: 02/MAR/78

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	141.				
Ilyanassa obsoleta	1.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Drosaldiox cinerea	0.				
ARTHROPODA					
Amphelisca abdita	125.				
Halarus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cutella vulgaris	0.				
Cyprideis sp.	0.				
Grandinierella japonica	0.				
Sarsiella zostericola	8.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	3.				
Marphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	13.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pyrosio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	71.				
Tharyx sp.	0.				

Station 47

Date: 16/AUG/78

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	2.				
Gemma gemma	789.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Prosalpinx cinerea	0.				
APTHROPODA					
Ampelisca abdita	132.				
Balanus improvisus	0.				
Corophium acherusicum	2.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	9.				
Cutella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	22.				
Sarsiella zostericola	5.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	4.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	5.				
Marphysa sanguinea	1.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	12.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Spuaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	61.				
Tharyx sp.	1.				

Station 47

Date: 22/MAR/79

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	365.				
Ilyanassa obsoleta	0.				
Macoma balthica	2.				
Musculista senhousia	0.				
Mya arenaria	0.				
Grosalpinx cinerea	0.				
ARTHROPODA					
Ameliscia abdita	67.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cycrideis sp.	0.				
Grandidierella japonica	4.				
Sarsiella zostericola	16.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	9.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	4.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	29.				
Tharyx sp.	0.				

Station 47

Date: 17/AUG/79

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TUBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	2.				
Gemma gemma	293.				
Ilyanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHEROPODA					
Ameliscia abdita	124.				
Balanus improvisus	0.				
Corophium acherusicum	2.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	3.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	7.				
Sarsiella zostericola	17.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	4.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	6.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	12.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	18.				
Tharyx sp.	0.				

Station 47

Date: 12/4AR/80

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	5.				
Gemma gemma	646.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mva arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Amoeliscia abdita	70.				
Balanus improvisus	0.				
Corophium acnerusicum	2.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	16.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	2.				
Sarsiella zostericola	20.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	2.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	15.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	39.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	1.				
Spionidae sp.	0.				
Streblospio benedicti	44.				
Tharyx sp.	1.				

Station 47

Date: 12/AUG/80

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	0.				
Gemma gemma	747.				
Ilyanassa obsoleta	0.				
Macoma balthica	38.				
Musculista senhousia	0.				
Mya arenaria	5.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Amphelisca abdita	126.				
Balanus improvisus	0.				
Corophium acherusicum	6.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	18.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	18.				
Sarsiella zostericola	24.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	1.				
Chaetozone sp.	0.				
Eteone californica	6.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteronastus filiformis	5.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	2.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	15.				
Tharyx sp.	0.				

Station 47

Date: 18/MAR/81

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	221.				
Ilvanassa obsoleta	0.				
Macoma balthica	11.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Ampelisca abdita	60.				
Balanus improvisus	0.				
Corophium acnerusicum	1.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	6.				
Sarsiella zostericola	15.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	5.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteronastus filiformis	5.				
Marphysa sanguinea	0.				
Nereis succinea	1.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	7.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pyrosospio elegans	0.				
Sphaerosyllis erinaceus	4.				
Spionidae sp.	0.				
Streblospio benedicti	4.				
Tharyx sp.	0.				

Station 47

Date: 18/AUG/81

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	5.				
Gemma gemma	321.				
Ilvanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	0.				
Mya arenaria	2.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	64.				
Halanus improvisus	0.				
Corophium acnerusicum	4.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	3.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	6.				
Sarsiella zostericola	15.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	10.				
Marphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	4.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Ptychospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	7.				
Tharyx sp.	0.				

Station 47

Date: 03/FEB/82

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	12.				
Gemma gemma	190.				
Ilyanassa obsoleta	0.				
Macoma balthica	0.				
Musculista senhousia	0.				
Mya arenaria	0.				
Drosalpinx cinerea	0.				
ARTERIOPODA					
Ampelisca abdita	0.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cutella vulgaris	0.				
Cyprideis sp.	0.				
Grandislerella japonica	2.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	2.				
Chaetozone sp.	0.				
Eteone californica	2.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	8.				
Marphysa sanguinea	0.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	4.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	37.				
Tharvx sp.	0.				

Station 47

Date: 11/MAY/82

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Moonea bisuturalis	1.				
Gemma gentia	434.				
Ilvanassa obsoleta	0.				
Macoma balthica	4.				
Musculista senhousia	0.				
Mya arenaria	3.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Amphelisca adusta	0.				
Halanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Comella vulgaris	0.				
Cyprideis sp.	5.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	1.				
Chaetozone sp.	0.				
Eteone californica	4.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	8.				
Marphysa sanguinea	0.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	16.				
Polydora ligni	6.				
Pseudopolydora kempfi	0.				
Pugosio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	224.				
Tharyx sp.	1.				

Station 47

Date: 19/AUG/82

Sample size: 57 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	405.				
Ilvanassa obsoleta	0.				
Macoma balthica	4.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Ampelisca abdita	0.				
Palanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	1.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanaid sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	2.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	14.				
Marphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	1.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	17.				
Tharyx sp.	0.				

Station 47

Date: 22/FEB/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	90.				
Ilyanassa obsoleta	0.				
Macoma balthica	1.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Ampelisca abdita	1.				
Balanus improvisus	0.				
Corophium acnerusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	0.				
Sarsiella zostericola	1.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	4.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	10.				
Marphysa sanguinea	0.				
Nereis succinea	4.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	1.				
Polydora ligni	0.				
Pseudopolydora kempfi	0.				
Pygospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	12.				
Tharyx sp.	0.				

Station 47

Date: 18/MAY/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Roonea bisuturalis	1.				
Gemma gemma	2.				
Ilyanassa obsoleta	0.				
Macoma balthica	14.				
Musculista senhousia	0.				
Mya arenaria	0.				
Dorsaliox cinerea	0.				
ARTHOPODA					
Ampelisca abdita	0.				
Balanus imbrovisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandisierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanais sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	0.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	15.				
Harphysa sanguinea	0.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	4.				
Polydora liani	0.				
Pseudopolydora kempfi	0.				
Pyrosio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	14.				
Tharyx sp.	0.				

Station 47

Date: 13/JUL/83

Sample size: 57 cm**2

SPECIES	1	SAMPLE 2	3	Mean	Standard Deviation
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	2.				
Ilvanassa obsoleta	0.				
Macoma balthica	3.				
Musculista senhousia	0.				
Mya arenaria	0.				
Urosalpinx cinerea	0.				
ARTHRPODA					
Amphelisca abdita	15.				
Balanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	0.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	14.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteromastus filiformis	12.				
Marphysa sanguinea	0.				
Nereis succinea	2.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	2.				
Polydora lioni	1.				
Pseudopolydora kempfi	0.				
Pionosio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	34.				
Tharyx sp.	0.				

Station 47

Date: 10/AUG/83

Sample size: 57 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
CNIDARIA					
Anthozoa	0.				
TURBELLARIA	0.				
MOLLUSCA					
Moonea bisuturalis	0.				
Gemma gemma	14.				
Ilvanassa obsoleta	0.				
Macoma balthica	6.				
Musculista senhousia	0.				
Mya arenaria	2.				
Urosalpinx cinerea	0.				
ARTHROPODA					
Atteuliscia abdita	60.				
Kalanus improvisus	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Corophium spp.	2.				
Cumella vulgaris	0.				
Cyprideis sp.	0.				
Grandidierella japonica	7.				
Sarsiella zostericola	0.				
Synidotea laticauda	0.				
Tanaïs sp.	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Chaetozone sp.	0.				
Eteone californica	1.				
Glycinde sp.	0.				
Harmothoe imbricata	0.				
Heteronastus filiformis	13.				
Narphysa sanguinea	0.				
Nereis succinea	3.				
Oligochaeta sp. "c"	0.				
Oligochaeta sp. "d"	0.				
Oligochaeta spp.	3.				
Polydora ligni	1.				
Pseudopolydora kempfi	0.				
Puospio elegans	0.				
Sphaerosyllis erinaceus	0.				
Spionidae sp.	0.				
Streblospio benedicti	27.				
Tharyx sp.	0.				

Table 4. Species count data for station 45 collected with a 16x10-cm core from June 1979 through January 1982.

Station 45

Date: 13/JUL/79

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea risuturalis	2.				
Gemma gemma	492.				
Ilyanassa obsoleta	0.				
Macoma balthica	41.				
Musculista senhousia	0.				
Mya arenaria	7.				
ARTHEROPODA					
Amphelisca abdita	510.				
Copepoda	0.				
Corophium acherusicum	2.				
Corophium insidiosum	0.				
Corophium sp.	23.				
Cyprideis sp.	17.				
Grandinierella japonica	18.				
Sarsiella zostericola	30.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	0.				
Heteromastus filiformis	10.				
Malanidae	1.				
Neanthes succinea	1.				
Oligochaeta sp.	0.				
Polydora ligna	0.				
Streblospio benedicti	9.				
Tharyx sp.	0.				

Station 45

Date: 26/Jul/79

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea hisuturalis	2.				
Gemma gemma	325.				
Ilvanassa obsoleta	0.				
Macoma balthica	21.				
Musculista senhousia	1.				
Mya arenaria	6.				
ARTHROPODA					
Ampelisca abdita	864.				
Copepoda	0.				
Corophium acherusicum	1.				
Corophium insidiosum	0.				
Corophium spp.	2.				
Cyprideis sp.	2.				
Grandisierella japonica	47.				
Sarsiella zostericola	21.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	3.				
Heterostatus filiformis	15.				
Maldaninae	0.				
Neanthes succinea	2.				
Oligochaeta spp.	12.				
Polychaeta ligna	0.				
Streblospio benedicti	9.				
Tharyx sp.	0.				

Station 45

Date: 21/SEP/79

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEPATOEA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	954.				
Ilvanassa obsoleta	0.				
Macoma balthica	23.				
Musculista senhousia	0.				
Mya arenaria	3.				
ARTHRPODA					
Ampelisca anjita	997.				
Cobanoba	0.				
Corophium acherusicum	13.				
Corophium insidiosum	0.				
Corophium spp.	69.				
Cyprideis sp.	0.				
Grandidierella japonica	57.				
Sarsiella zostericola	40.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	1.				
Heteromastus filiformis	18.				
Laljanidae	0.				
Neanthes succinea	2.				
Oligochaeta spp.	2.				
Polydora ligna	0.				
Streblospio benedicti	1.				
Tharyx sp.	0.				

Station 45

Date: 04/01/79

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMALODA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	1209.				
Ilyanassa obsoleta	0.				
Macoma balthica	23.				
Musculista senhousia	1.				
Mya arenaria	1.				
ARTHRPODA					
Amrelisca adita	1273.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	0.				
Cyprideis sp.	2.				
Grandisierella japonica	28.				
Sarsiella zostericola	41.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	4.				
Heteromastus filiformis	19.				
Maldanidae	0.				
Nereis succinea	2.				
Oligochaeta spp.	15.				
Polydora ligna	0.				
Streblospio benedicti	24.				
Tharyx sp.	0.				

Station 45

Date: 29/NOV/79

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATOIDA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	891.				
Ilvanassa obsoleta	0.				
Macoma balthica	15.				
Musculista senhousia	0.				
Mya arenaria	0.				
ARTHROPODA					
Amphelisca abdita	833.				
Copepoda	0.				
Corophium acherusicum	1.				
Corophium insidiosum	2.				
Corophium sp.	11.				
Cyprineis sp.	0.				
Grandisierella japonica	19.				
Sarsiella zostericola	35.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	7.				
Heteromastus filiformis	15.				
Naldaridae	0.				
Neanthes succinea	1.				
Oligochaeta sp.	60.				
Polydora ligna	1.				
Streblospio benedicti	197.				
Tharyx sp.	1.				

Station 45

Date: 27/DEC/79

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMALODA	0.				
MOLLUSCA					
Boonea hisuturalis	4.				
Gemma gemma	625.				
Ilyanassa obsoleta	0.				
Macoma baltica	9.				
Musculista senhousia	3.				
Mya arenaria	0.				
ARTHROPODA					
Annelisca abdita	512.				
Copepoda	0.				
Coronidium acnerusicum	0.				
Coronidium insidiosum	0.				
Coroprium spp.	54.				
Cyprideis sp.	0.				
Grandiclerella japonica	14.				
Garsiella zostericola	22.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	1.				
Eteone californica	13.				
Heteromastus filiformis	15.				
Maldanidae	0.				
Neanthes succinea	0.				
Oligochaeta spp.	13.				
Polydora ligna	0.				
Streblospio benedicti	113.				
Tharyx sp.	0.				

Station 45

Date: 28/JAN/84

Sample size: 160 cr**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	629.				
Ilvanassa obsoleta	0.				
Macoma balthica	8.				
Musculista senhousia	0.				
Mya arenaria	0.				
ARTHROPODA					
Amphelisca addita	346.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	114.				
Cyprideis sp.	0.				
Grandidierella japonica	14.				
Sarsiella zostericola	14.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	11.				
Heteromastus filiformis	17.				
Haldanidae	0.				
Neanthes succinea	1.				
Oliothaeta spp.	64.				
Polydora ligna	1.				
Streblospio benedicti	197.				
Tharyx sp.	0.				

Station 45

Date: 23/FEB/80

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	664.				
Ilvanassa onsoleta	1.				
Macoma balthica	15.				
Musculista senhousia	1.				
Mya arenaria	1.				
ARTHRPODA					
Amphelisca abdita	436.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	77.				
Cyprideis sp.	0.				
Grandidierella japonica	9.				
Sarsiella zostericola	21.				
Synisotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	3.				
Eteone californica	24.				
Heterorastus filiformis	15.				
Maldanidae	0.				
Meanthes succinea	1.				
Olidochaeta spp.	37.				
Polydora ligna	3.				
Streblospio benedicti	225.				
Tharyx sp.	0.				

Station 45

Date: 19/MAR/80

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	2.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	571.				
Ilvanassa obsoleta	0.				
Macoma balthica	12.				
Musculista senhousia	2.				
Mya arenaria	0.				
ARTHROPODA					
Amphelisca adfita	287.				
Corophia	1.				
Corophium acherusicum	4.				
Corophium insidiosum	12.				
Corophium sp.	41.				
Cyprideis sp.	0.				
Grandidierella japonica	7.				
Sarsiella zostericola	9.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	28.				
Eteone californica	13.				
Heteronastus tiliformis	9.				
Maldanidae	0.				
Neanthes succinea	30.				
Oligochaeta sp.	48.				
Polydora ligna	0.				
Streblospio benedicti	163.				
Tharyx sp.	0.				

Station 45

Date: 22/APR/80

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	28.				
Gemma gemma	1224.				
Ilyanassa obsoleta	0.				
Macoma balthica	80.				
Musculista senhousia	0.				
Mya arenaria	2.				
ARTHROPODA					
Ameliscia abdita	54.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Cyprideis sp.	0.				
Granditierella japonica	0.				
Sarsiella zostericola	24.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	3.				
Eteone californica	7.				
Heteromastus filiformis	16.				
Maldanidae	0.				
Neanthes succinea	0.				
Oligochaeta sp.	24.				
Polydora ligna	2.				
Streblospio benedicti	115.				
Tharyx sp.	0.				

Station 45

Date: 24/MAY/80

Sample size: 100 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
NEKTOPODA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	865.				
Ilyanassa obsoleta	0.				
Macoma balthica	143.				
Musculista senhousia	1.				
Mya arenaria	3.				
ARTHROPODA					
Ampelisca abdita	79.				
Copepoda	0.				
Corophium acnerusium	0.				
Corophium insidiosum	12.				
Corophium spp.	33.				
Cyprideis sp.	0.				
Granditierella japonica	12.				
Sarsiella zostericola	16.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	22.				
Heteronastus filiformis	12.				
Aaldanidae	0.				
Neantnes succinea	1.				
Oliuochaeta spp.	55.				
Polydora ligna	3.				
Streblospio benedicti	242.				
Tnaryx sp.	0.				

Station 45

Date: 01/ JUL/80

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	9.				
Gemma gemma	784.				
Ilyanassa obsoleta	0.				
Macoma balthica	177.				
Musculista senhousia	1.				
Mya arenaria	5.				
ARTHRPODA					
Amphelisca abdita	117.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	11.				
Corophium spp.	81.				
Cyprideis sp.	5.				
Grandidierella japonica	42.				
Sarsiella zostericola	7.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	14.				
Heteromastus filiformis	11.				
Galdanidae	0.				
Nereis succinea	7.				
Oligochaeta spp.	6.				
Polydora ligna	0.				
Streblospio benedicti	30.				
Tharyx sp.	0.				

Station 45

Date: 12/AUG/80

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	1.				
Gemma gemma	280.				
Ilyanassa obsoleta	0.				
Macoma balthica	123.				
Musculista senhousia	1.				
Mya arenaria	2.				
ARTHROPODA					
Annelisca adita	305.				
Copepoda	0.				
Corophium acherusicum	10.				
Corophium insidiosum	13.				
Corophium spp.	112.				
Cyprideis sp.	18.				
Grandisferella japonica	120.				
Sarsiella zostericola	22.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Ateone californica	8.				
Heteromastus filiformis	9.				
Maldanidae	0.				
Neanthes succinea	7.				
Oligochaeta spp.	25.				
Polydora ligna	0.				
Streblospio benedicti	50.				
Tharyx sp.	0.				

Station 45

Date: 24/OCT/80

Sample size: 160 cm**2

SPECIES	1	2	3	Mean	Standard Deviation
NEMATODA	0.				
MOLLUSCA					
Boonea hisuturalis	5.				
Gemma gemma	273.				
Ilyanassa obsoleta	0.				
Macoma balthica	49.				
Musculista senhousia	2.				
Mya arenaria	1.				
ARTHROPODA					
Amphelisca andita	124.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	0.				
Cyprideis sp.	7.				
Grandidierella japonica	13.				
Sarsiella zostericola	25.				
Synidotea laticauda	3.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	1.				
Heteronastus filiformis	14.				
Maldanidae	0.				
Neanthes succinea	2.				
Oligochaeta spp.	23.				
Polydora ligna	0.				
Streblospio benedicti	42.				
Tharyx sp.	0.				

Station 45

Date: 16/DEC/80

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	0.				
Gemma gemma	185.				
Ilyanassa obsoleta	0.				
Macoma balthica	27.				
Musculista senhousia	2.				
Mya arenaria	0.				
ARTHROPODA					
Ameliscia abdita	243.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	1.				
Cyprideis sp.	3.				
Grandidierella japonica	18.				
Sarsiella zostericola	28.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	1.				
Eteone californica	5.				
Heteronastus filiformis	16.				
Naldanidae	0.				
Neanthes succinea	3.				
Oligochaeta spp.	106.				
Polydora ligna	0.				
Streblospio benedicti	24.				
Tharyx sp.	0.				

Station 45

Date: 23/APR/81

Sample size: 160 cm**2

SPECIES	SAMPLE			mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea hisuturalis	3.				
Gemma gemma	83.				
Ilyanassa obsoleta	0.				
Macoma balthica	7.				
Musculista senhousia	0.				
Mya arenaria	0.				
ARTHROPODA					
Ampelisca abdita	10.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	0.				
Cyprideis sp.	0.				
Grandidierella japonica	1.				
Sarsiella zostericola	19.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	3.				
Heteromastus filiformis	11.				
Maldanidae	0.				
Neanthes succinea	2.				
Oligochaeta spp.	19.				
Polydora ligna	0.				
Streptosio benedicti	5.				
Tharyx sp.	0.				

Station 45

Date: 08/JUN/81

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	2.				
Gemma gemma	137.				
Ilyanassa obsoleta	0.				
Macoma balthica	8.				
Musculista senhousia	0.				
Mya arenaria	0.				
ARTHRROPODA					
Ameliscia adrita	385.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	0.				
Cyprideis sp.	0.				
Granditierella japonica	2.				
Sarsiella zostericola	37.				
Synbiotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	2.				
Heteromastus filiformis	0.				
Alcanidae	0.				
Leanthes succinea	0.				
Oligochaeta spp.	4.				
Polydora ligna	0.				
Streblospio benedicti	0.				
Tharyx sp.	1.				

Station 45

Date: 14/OCT/81

Sample size: 160 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea bisuturalis	9.				
Gemma gemma	292.				
Ilyanassa obsoleta	0.				
Macoma balthica	10.				
Musculista senhousia	0.				
Mya arenaria	0.				
ARTHROPODA					
Ampelisca abdita	465.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium spp.	0.				
Cyprideis sp.	0.				
Grandisierella japonica	10.				
Sarsiella zostericola	7.				
Synidotea laticauda	0.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	3.				
Heteromastus filiformis	17.				
Naididae	0.				
Neantnes succinea	0.				
Oligochaeta spp.	8.				
Polydora ligna	0.				
Streblospio benedicti	21.				
Tharyx sp.	0.				

Station 45

Date: 25/JAN/82

Sample size: 164 cm**2

SPECIES	SAMPLE			Mean	Standard Deviation
	1	2	3		
NEMATODA	0.				
MOLLUSCA					
Boonea hisuturalis	6.				
Gemma gemma	359.				
Ilyanassa obsoleta	0.				
Macoma balthica	7.				
Musculista senhousia	0.				
Mya arenaria	0.				
ARTHROPODA					
Amphelisca abdita	0.				
Copepoda	0.				
Corophium acherusicum	0.				
Corophium insidiosum	0.				
Corophium sp.	0.				
Cyprideis sp.	4.				
Grandidierella japonica	0.				
Sarsiella zostericola	0.				
Synidotea laticauda	4.				
POLYCHAETA					
Capitella "capitata"	0.				
Eteone californica	9.				
Heteronastus filiformis	22.				
Nephtys	0.				
Nereis succinea	0.				
Oligochaeta sp.	18.				
Polydora ligna	0.				
Streblospio benedicti	99.				
Tharyx sp.	0.				