ERDA BENTHIC STUDY
STATION FP-I

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
LEPIDACTYLUS DYTISCUS	436	109.0	32.07	19.5	19.5	100.0
HAPLOSCOLOPLUS FRAGILIS	273	68.3	13.54	12.2	31.7	100.0
HETEROMASTUS FILIFORMIS	254	63.5	19.04	11.3	43.0	100.0
ETEONE LACTEA	217	54.3	6.25	9.7	52.7	100.0
MYA ARENARIA	186	46.5	12.60	8.3	61.0	100.0
STREBLOSPIO BENEDICTI	131	32.8	14.01	5.8	66.8	100.0
GLYCINDE SOLITARIA	131	32.8	12.98	5.8	72.7	100.0
MICRURA LEIDYI	117	29.3	4.83	5.2	77.9	100.0
MACOMA PHENAX	111	27.8	14.08	5.0	82.9	75.0
PARAPRIONOSPIO PINNATA	100	25.0	6.49	4.5	87.3	100.0
NEREIS SUCCINEA	91	22.8	10.19	4.1	91.4	75.0
MULINIA LATERALIS	53	13.3	3.49	2.4	93.7	100.0
MACOMA BALTHICA	48	12.0	5.88	2.1	95.9	75.0
SCOLECOLEPIDES VIRIDIS	38	9.5	3.54	1.7	97.6	75.0
COROPHIUM LACUSTRE	16	4.0	1.46	0.7	98.3	75.0
DIADUMENE LEUCOLENA	16	4.0	3.46	0.7	99.0	25.0
MONOCULODES EDWARDSI	14	3.5	1.89	0.6	99.6	50.0
ETEONE HETEROPODA	4	1.0	0.87	0.2	99.8	25.0
BALANUS BALANOIDES	4	1.0	0.87	0.2	100.0	25.0
TOTALS	2240	560.0	72.46			

STATION FP-I DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
LEPIDACTYLUS DYTISCUS	109	30.2	30.2
ETEONE LACTEA	36	10.0	40.2
PARAPRIONOSPIO PINNATA	36	10.0	50.1
MYA ARENARIA	36	10.0	60.1
MICRURA LEIDYI	27	7.5	67.6
HAPLOSCOLOPLOS FRAGILIS	27	7.5	75.1
HETEROMASTUS FILIFORMIS	18	5.0	80.1
MULINIA LATERALIS	18	5.0	85.0
STREBLOSPIO BENEDICTI	18	5.0	90.0
SCOLECOLEPIDES VIRIDIS	9	2.5	92.5
MACOMA PHENAX	9	2.5	95.0
MONOCULODES EDWARDSI	9	2.5	97.5
GLYCINDE SOLITARIA	9	2.5	100.0
TOTAL	361		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
13	2.256	2.565

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.142	0.879	0.734

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
27.769	37.828	51.310

STATION FP-I DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
LEPIDACTYLUS DYTISCUS	212	43.1	43.1
HAPLOSCOLOPLOS FRAGILIS	103	20.9	64.0
ETEONE LACTEA	51	10.4	74.4
HETEROMASTUS FILIFORMIS	40	8.1	82.5
GLYCINDE SOLITARIA	17	3.5	86.0
MICRURA LEIDYI	17	3.5	89.4
MYA ARENARIA	17	3.5	92.9
PARAPRIONOSPIO PINNATA	5	1.0	93.9
MONOCULODES EDWARDSI	5	1.0	94.9
STREBLOSPIO BENEDICTI	5	1.0	95.9
COROPHIUM LACUSTRE	5	1.0	97.0
MACOMA BALTHICA	5	1.0	98.0
MULINIA LATERALIS	5	1.0	99.0
NEREIS SUCCINEA	5	1.0	100.0
TOTAL	492		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
14	1.804	2.639

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.251	0.684	0.434

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
35.143	80.969	123.569

STATION FP-I DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	86	13.3	13.3
HETEROMASTUS FILIFORMIS	78	12.0	25.3
LEPIDACTYLUS DYTISCUS	74	11.4	36.7
HAPLOSCOLOPLOS FRAGILIS	70	10.8	47.5
ETEONE LACTEA	70	10.8	58.3
NEREIS SUCCINEA	45	6.9	65.3
PARAPRIONOSPIO PINNATA	37	5.7	71.0
STREBLOSPIO BENEDICTI	29	4.5	75.5
MICRURA LEIDYI	29	4.5	79.9
MACOMA PHENAX	29	4.5	84.4
GLYCINDE SOLITARIA	29	4.5	88.9
SCOLECOLEPIDES VIRIDIS	20	3.1	92.0
DIADUMENE LEUCOLENA	16	2.5	94.4
MACOMA BALTHICA	12	1.9	96.3
MULINIA LATERALIS	8	1.2	97.5
COROPHIUM LACUSTRE	8	1.2	98.8
ETEONE HETEROPODA	4	0.6	99.4
BALANUS BALANOIDES	4	0.6	100.0
TOTAL	648		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
18	2.600	2.890

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.087	0.900	0.748

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
36.000	48.120	56.287

STATION FP-I DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
HETEROMASTUS FILIFORMIS	118	16.0	16.0
STREBLOSPIO BENEDICTI	79	10.7	26.7
GLYCINDE SOLITARIA	76	10.3	36.9
HAPLOSCOLOPLOS FRAGILIS	73	9.9	46.8
MACOMA PHENAX	73	9.9	56.7
ETEONE LACTEA	60	8.1	64.8
MYA ARENARIA	47	6.4	71.2
MICRURA LEIDYI	44	6.0	77.1
NEREIS SUCCINEA	41	5.5	82.7
LEPIDACTYLUS DYTISCUS	41	5.5	88.2
MACOMA BALTHICA	31	4.2	92.4
MULINIA LATERALIS	22	3.0	95.4
PARAPRIONOSPIO PINNATA	22	3.0	98.4
SCOLECOLEPIDES VIRIDIS	9	1.2	99.6
COROPHIUM LACUSTRE	3	0.4	100.0
TOTAL	739		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
15	2.509	2.708

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.091	0.927	0.820

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
49.267	60.091	67.287

ERDA BENTHIC STUDY
STATION FP-II

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENC IN SAMPLE
PARAPRIONOSPIO PINNATA	3321	830.2	98.47	25.2	25.2	100.0
HETEROMASTUS FILIFORMIS	2698	674.5	38.58	20.5	45.7	100.0
GLYCINDE SOLITARIA	2046	511.5	150.19	15.5	61.3	100.0
NEREIS SUCCINEA	1689	422.2	41.51	12.8	74.1	100.0
STREBLOSPIO BENEDICTI	1116	279.0	86.79	8.5	82.6	100.0
MACOMA BALTHICA	911	227.7	35.78	6.9	89.5	100.0
MACOMA PHENAX	689	172.2	27.93	5.2	94.8	100.0
OLIGOCHAETES	159	39.8	13.15	1.2	96.0	100.0
MYA ARENARIA	155	38.8	10.10	1.2	97.2	100.0
SCOLECOLEPIDES VIRIDIS	144	36.0	12.52	1.1	98.3	100.0
ETEONE HETEROPODA	91	22.8	9.39	0.7	98.9	100.0
MICRURA LEIDYI	56	14.0	6.39	0.4	99.4	75.0
MULINIA LATERALIS	30	7.5	3.75	0.2	99.6	50.0
PECTINARIA GOULDII	14	3.5	1.25	0.1	99.7	75.0
EDOTEA TRILOBA	14	3.5	1.75	0.1	99.8	50.0
COROPHIUM LACUSTRE	8	2.0	1.00	0.1	99.9	50.0
GASTROPOD SPECIES A	7	1.8	1.52	0.1	99.9	25.0
TUBULANUS PELLUCIDUS	4	1.0	0.87	0.0	100.0	25.0
DURINELLA OBSCURA	3	0.8	0.65	0.0	100.0	25.0
CALLINECTES SAPIDUS	3	0.8	0.65	0.0	100.0	25.0
TOTALS	13158	3289.5	377.28			

STATION FP-II DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
HETEROMASTUS FILIFORMIS	705	27.2	27.2
PARAPRIONOSPIO PINNATA	557	21.5	48.6
NEREIS SUCCINEA	382	14.7	63.4
MACOMA BALTHICA	350	13.5	76.8
GLYCINDE SOLITARIA	235	9.1	85.9
MACOMA PHENAX	119	4.6	90.5
STREBLOSPIO BENEDICTI	92	3.5	94.0
OLIGOCHAETES	83	3.2	97.2
SCOLECOLEPIDES VIRIDIS	32	1.2	98.5
ETEONE HETEROPODA	18	0.7	99.2
MYA ARENARIA	18	0.7	99.8
COROPHIUM LACUSTRE	4	0.2	100.0
TOTAL	2595		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
12	1.957	2.485

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.173	0.788	0.590

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
216.250	366.606	447.831

STATION FP-II DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	855	29.1	29.1
HETEROMASTUS FILIFORMIS	602	20.5	49.7
NEREIS SUCCINEA	483	16.5	66.1
GLYCINDE SOLITARIA	386	13.2	79.3
MACOMA BALTHICA	202	6.9	86.2
STREBLOSPIO BENEDICTI	128	4.4	90.5
MACOMA PHENAX	115	3.9	94.4
SCOLECOLEPIDES VIRIDIS	78	2.7	97.1
OLIGOCHAETES	23	0.8	97.9
MICRURA LEIDYI	23	0.8	98.7
MYA ARENARIA	23	0.8	99.5
TUBULANUS PELLUCIDUS	4	0.1	99.6
PECTINARIA GOULDII	4	0.1	99.7
ETEONE HETEROPODA	4	0.1	99.9
COROPHIUM LACUSTRE	4	0.1	100.0
TOTAL	2934		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
15	1.942	2.708

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.181	0.717	0.465

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
195.600	420.618	529.604

STATION FP-II DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	1111	24.4	24.4
GLYCINDE SOLITARIA	1019	22.3	46.7
HETEROMASTUS FILIFORMIS	787	17.3	63.9
NEREIS SUCCINEA	517	11.3	75.3
STREBLOSPIO BENEDICTI	501	11.0	86.3
MACOMA PHENAX	216	4.7	91.0
MACOMA BALTHICA	169	3.7	94.7
MYA ARENARIA	69	1.5	96.2
ETEONE HETEROPODA	54	1.2	97.4
OLIGOCHAETES	38	0.8	98.2
MICRURA LEIDYI	30	0.7	98.9
MULINIA LATERALIS	15	0.3	99.2
SCOLECOLEPIDES VIRIDIS	15	0.3	99.5
PECTINARIA GOULDII	7	0.2	99.7
EDOTEA TRILOBA	7	0.2	99.8
GASTROPOD SPECIES A	7	0.2	100.0
TOTAL	4562		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
16	1.994	2.773

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.168	0.719	0.459

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
285.125	621.072	766.367

STATION FP-II DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	798	26.0	26.0
HETEROMASTUS FILIFORMIS	604	19.7	45.7
GLYCINDE SOLITARIA	406	13.2	59.0
STREBLOSPIO BENEDICTI	395	12.9	71.8
NEREIS SUCCINEA	307	10.0	81.8
MACOMA PHENAX	239	7.8	89.6
MACOMA BALTHICA	190	6.2	95.8
MYA ARENARIA	45	1.5	97.3
SCOLECOLEPIDES VIRIDIS	19	0.6	97.9
OLIGOCHAETES	15	0.5	98.4
MULINIA LATERALIS	15	0.5	98.9
ETEONE HETEROPODA	15	0.5	99.4
EDOTEA TRILOBA	7	0.2	99.6
CALLINECTES SAPIDUS	3	0.1	99.7
PECTINARIA GOULDII	3	0.1	99.8
MICRURA LEIDYI	3	0.1	99.9
DURIDELLA OBSCURA	3	0.1	100.0
TOTAL	3067		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
17	2.016	2.833

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.161	0.712	0.442

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
180.412	408.487	493.346

ERDA BENTHIC STUDY
STATION FP-III

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
PARAPRIONOSPIO PINNATA	1134	283.5	44.59	51.2	51.2	100.0
NEREIS SUCCINEA	395	98.8	17.53	17.8	69.0	100.0
STREPLOSPIO BENEDICTI	359	89.8	20.14	16.2	85.2	100.0
GLYCINDE SOLITARIA	166	41.5	12.77	7.5	92.6	100.0
MACOMA PHENAX	89	22.3	8.69	4.0	96.7	100.0
MULINIA LATERALIS	35	8.8	5.12	1.6	98.2	50.0
MACOMA BALTHICA	24	6.0	3.48	1.1	99.3	50.0
DIADUMENE LEUCOLENA	8	2.0	1.73	0.4	99.7	25.0
ETEONE HETEROPODA	7	1.8	1.52	0.3	100.0	25.0
TOTALS	2217	554.2	78.38			

STATION FP-III DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	296	51.9	51.9
STREBLOSPIO BENEDICTI	104	18.2	70.2
GLYCINDE SOLITARIA	62	10.9	81.1
MACOMA PHENAX	52	9.1	90.2
NEREIS SUCCINEA	46	8.1	98.2
MULINIA LATERALIS	10	1.8	100.0
TOTAL	570		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
6	1.384	1.792

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.330	0.773	0.665

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
95.000	142.758	188.063

STATION FP-III DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	264	45.8	45.8
STREBLOSPIO BENEDICTI	128	22.2	67.9
NEREIS SUCCINEA	93	16.1	84.1
GLYCINDE SOLITARIA	34	5.9	89.9
MULINIA LATERALIS	25	4.3	94.3
MACOMA BALTHICA	17	2.9	97.2
MACOMA PHENAX	8	1.4	98.6
DIADUMENE LEUCOLENA	8	1.4	100.0
TOTAL	577		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
8	1.511	2.079

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.291	0.727	0.567

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
72.125	127.298	167.984

STATION FP-III DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	162	51.4	51.4
NEREIS SUCCINEA	114	36.2	87.6
STREBLOSPIO BENEDICTI	22	7.0	94.6
MACOMA PHENAX	14	4.4	99.0
GLYCINDE SOLITARIA	3	1.0	100.0
TOTAL	315		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
5	1.078	1.609

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.402	0.670	0.588

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
63.000	107.143	126.759

STATION FP-III DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	412	54.6	54.6
NEREIS SUCCINEA	142	18.8	73.4
STREBLOSPIO BENEDICTI	105	13.9	87.3
GLYCINDE SOLITARIA	67	8.9	96.2
MACOMA PHENAX	15	2.0	98.1
MACOMA BALTHICA	7	0.9	99.1
ETEONE HETEROPODA	7	0.9	100.0
TOTAL	755		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
7	1.299	1.946

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.361	0.667	0.524

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
107.857	206.024	272.510

ERDA BENTHIC STUDY
STATION CCU-I

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	470	117.5	19.18	32.5	32.5	100.0
HETEROMASTUS FILIFORMIS	349	87.3	25.74	24.1	56.6	100.0
MACOMA PHENAX	184	46.0	12.71	12.7	69.4	100.0
MICRURA LEIDYI	175	43.8	15.52	12.1	81.5	100.0
GLYCINDE SOLITARIA	105	26.3	7.68	7.3	88.7	100.0
LEPIDACTYLUS DYTISCUS	78	19.5	3.70	5.4	94.1	100.0
NEREIS SUCCINEA	15	3.8	2.07	1.0	95.2	50.0
MONOCULODES EDWARDSI	15	3.8	1.14	1.0	96.2	75.0
MACOMA BALTHICA	10	2.5	1.30	0.7	96.9	50.0
PARAPRIONOSPIO PINNATA	10	2.5	2.17	0.7	97.6	25.0
LEPTOCHEIRUS PLUMULOSUS	10	2.5	2.17	0.7	98.3	25.0
ETEONE LACTEA	9	2.3	1.95	0.6	98.9	25.0
MULINIA LATERALIS	6	1.5	1.30	0.4	99.3	25.0
COROPHIUM LACUSTRE	6	1.5	1.30	0.4	99.7	25.0
STREBLOSPIO BENEDICTI	4	1.0	0.87	0.3	100.0	25.0
TOTALS	1446	361.5	68.53			

STATION CCO-I DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
HETEROMASTUS FILIFORMIS	162	31.5	31.5
MYA ARENARIA	149	28.9	60.4
MACOMA PHENAX	84	16.3	76.7
GLYCINDE SOLITARIA	51	9.9	86.6
MICRURA LEIDYI	32	6.2	92.8
LEPIDACTYLUS DYTISCUS	13	2.5	95.3
MACOMA BALTHICA	6	1.2	96.5
MONOCULODES EDWARDSI	6	1.2	97.7
MULINIA LATERALIS	6	1.2	98.8
COROPHIUM LACUSTRE	6	1.2	100.0
TOTAL	515		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
10	1.720	2.303

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.224	0.747	0.559

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
51.500	92.183	115.415

STATION CCO-I DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	162	33.7	33.7
HETEROMASTUS FILIFORMIS	107	22.2	55.9
MICRURA LEIDYI	97	20.2	76.1
MACOMA PHENAX	54	11.2	87.3
LEPIDACTYLUS DYTISCUS	21	4.4	91.7
PARAPRIONOSPIO PINNATA	10	2.1	93.8
GLYCINDE SOLITARIA	10	2.1	95.8
LEPTOCHEIRUS PLUMULOSUS	10	2.1	97.9
NEREIS SUCCINEA	10	2.1	100.0
TOTAL	481		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
9	1.728	2.197

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.220	0.786	0.626

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
53.444	85.436	105.736

STATION CCO-I DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	83	37.6	37.6
HETEROMASTUS FILIFORMIS	31	14.0	51.6
LEPIDACTYLUS DYTISCUS	31	14.0	65.6
GLYCINDE SOLITARIA	26	11.8	77.4
MACOMA PHENAX	20	9.0	86.4
MICRURA LEIDYI	20	9.0	95.5
NEREIS SUCCINEA	5	2.3	97.7
MONOCULODES EDWARDSI	5	2.3	100.0
TOTAL	221		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
8	1.777	2.079

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.212	0.854	0.739

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
27.625	37.386	46.774

STATION CCO-I DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	76	33.2	33.2
HETEROMASTUS FILIFORMIS	49	21.4	54.6
MACOMA PHENAX	26	11.4	65.9
MICRURA LEIDYI	26	11.4	77.3
GLYCINDE SOLITARIA	18	7.9	85.2
LEPIDACTYLUS DYTISCUS	13	5.7	90.8
ETEONE LACTEA	9	3.9	94.8
MACOMA BALTHICA	4	1.7	96.5
STREBLOSPIO BENEDICTI	4	1.7	98.3
MONOCULODES EDWARDSI	4	1.7	100.0
TOTAL	229		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
10	1.892	2.303

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.194	0.822	0.663

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
22.900	34.524	44.327

ERDA BENTHIC STUDY
STATION CCO-II

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	****	3588.7	442.27	50.4	50.4	100.0
STREBLOSPIO BENEDICTI	4582	1145.5	341.49	16.1	66.6	100.0
GLYCINDE SOLITARIA	1722	430.5	48.91	6.1	72.6	100.0
NEREIS SUCCINEA	1584	396.0	41.79	5.6	78.2	100.0
DIADUMENE LEUCOLENA	1151	287.7	90.83	4.0	82.2	100.0
HETEROMASTUS FILIFORMIS	1047	261.7	26.43	3.7	85.9	100.0
POLYDORA LIGNI	822	205.5	64.90	2.9	88.8	100.0
PARAPRIONOSPIO PINNATA	520	130.0	23.94	1.8	90.6	100.0
MACOMA PHENAX	460	115.0	18.64	1.6	92.2	100.0
DURIDELLA OBSCURA	443	110.8	32.47	1.6	93.8	100.0
MICRURA LEIDYI	442	110.5	15.69	1.6	95.3	100.0
PECTINARIA GOULDII	260	65.0	14.39	0.9	96.3	100.0
MACOMA BALTHICA	207	51.8	5.78	0.7	97.0	100.0
BALANUS BALANOIDES	175	43.8	10.73	0.6	97.6	100.0
COROPHIUM LACUSTRE	133	33.3	8.45	0.5	98.1	100.0
MULINIA LATERALIS	96	24.0	2.85	0.3	98.4	100.0
OLIGOCHAETES	93	23.3	8.66	0.3	98.7	100.0
STYLOCHUS ELLIPTICUS	74	18.5	4.19	0.3	99.0	100.0
GEMMA GEMMA	59	14.8	4.99	0.2	99.2	75.0
GASTROPOD SPECIES A	42	10.5	4.53	0.1	99.3	75.0
EDOTEA TRILOBA	41	10.3	5.13	0.1	99.5	50.0
SCOLECOLEPIDES VIRIDIS	27	6.8	2.48	0.1	99.6	75.0
MOLGULA MANHATTENSIS	21	5.3	2.90	0.1	99.7	50.0
HAPLOSCOLOPLOS FRAGILIS	20	5.0	1.46	0.1	99.7	75.0
MELITA NITIDA	20	5.0	2.03	0.1	99.8	75.0
ACTEON PUNCTOSTRIATUS	19	4.8	1.39	0.1	99.9	75.0
BRACHIODONTES RECURVUS	10	2.5	2.17	0.0	99.9	25.0
CALLINECTES SAPIDUS	9	2.3	1.24	0.0	99.9	50.0
TUBULANUS PELLUCIDUS	7	1.8	1.52	0.0	100.0	25.0
LEPTOCHEIRUS PLUMULOSUS	7	1.8	1.52	0.0	100.0	25.0
TAGELUS PLEBEIUS	3	3.0	0.0	0.0	100.0	25.0
GASTROPOD SPECIES B	3	0.8	0.65	0.0	100.0	25.0
TOTALS	28454	7113.5	424.92			

STATION CCO-II DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	4635	67.8	67.8
STREBLOSPIO BENEDICTI	636	9.3	77.1
NEREIS SUCCINEA	355	5.2	82.3
GLYCINDE SOLITARIA	332	4.9	87.1
HETEROMASTUS FILIFORMIS	189	2.8	89.9
PECTINARIA GOULDII	114	1.7	91.5
DIADUMENE LEUCOLENA	103	1.5	93.1
BALANUS BALANOIDES	68	1.0	94.0
MACOMA PHENAX	57	0.8	94.9
MICRURA LEIDYI	57	0.8	95.7
PARAPRIONOSPIO PINNATA	51	0.7	96.5
DURIDELLA OBSCURA	51	0.7	97.2
COROPHIUM LACUSTRE	40	0.6	97.8
MACOMA BALTHICA	34	0.5	98.3
OLIGOCHAETES	28	0.4	98.7
POLYDORA LIGNI	28	0.4	99.1
MULINIA LATERALIS	17	0.2	99.4
GEMMA GEMMA	17	0.2	99.6
MELITA NITIDA	11	0.2	99.8
ACTEON PUNCTOSTRIATUS	6	0.1	99.9
GASTROPOD SPECIES A	5	0.1	99.9
STYLOCHUS ELLIPTICUS	5	0.1	100.0
TOTAL	6839		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
22	1.373	3.091

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.475	0.444	0.179

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
310.864	1733.309	3246.774

STATION CCO-II DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	4282	61.1	61.1
STREBLOSPIO BENEDICTI	589	8.4	69.5
GLYCINDE SOLITARIA	337	4.8	74.3
NEREIS SUCCINEA	280	4.0	78.3
HETEROMASTUS FILIFORMIS	235	3.4	81.6
POLYDORA LIGNI	224	3.2	84.8
DIADUMENE LEUCOLENA	207	3.0	87.8
PARAPRIONOSPIO PINNATA	172	2.5	90.2
MICRURA LEIDYI	122	1.7	91.9
MACOMA PHENAX	119	1.7	93.6
DURIDELLA OBSCURA	66	0.9	94.6
MACOMA BALTHICA	63	0.9	95.5
BALANUS BALANOIDES	59	0.8	96.3
COROPHIUM LACUSTRE	52	0.7	97.1
PECTINARIA GOULDII	49	0.7	97.8
MULINIA LATERALIS	31	0.4	98.2
GASTROPOD SPECIES A	24	0.3	98.5
STYLOCHUS ELLIPTICUS	21	0.3	98.8
MOLGULA MANHATTENSIS	14	0.2	99.0
GEMMA GEMMA	14	0.2	99.2
BRACHIODONTES RECURVUS	10	0.1	99.4
SCOLECOLEPIDES VIRIDIS	7	0.1	99.5
HAPLOSCOLOPLOS FRAGILIS	7	0.1	99.6
ACTEON PUNCTOSTRIATUS	7	0.1	99.7
LEPTOCHEIRUS PLUMULOSUS	7	0.1	99.8
MELITA NITIDA	3	0.0	99.8
GASTROPOD SPECIES B	3	0.0	99.9
CALLINECTES SAPIDUS	3	0.0	99.9
OLIGOCHAETES	3	0.0	100.0
TAGELUS PLEBEIUS	3	0.0	100.0
TOTAL	7013		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
30	1.679	3.401

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.388	0.494	0.179

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
233.767	1308.734	2723.636

STATION CCO-II DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	2575	42.0	42.0
STREBLOSPIO BENEDICTI	1075	17.5	59.5
GLYCINDE SOLITARIA	500	8.2	67.7
NEREIS SUCCINEA	459	7.5	75.2
HETEROMASTUS FILIFORMIS	322	5.3	80.4
DIADUMENE LEUCOLENA	253	4.1	84.5
POLYDORA LIGNI	178	2.9	87.4
PARAPRIONOSPIO PINNATA	164	2.7	90.1
MICRURA LEIDYI	137	2.2	92.4
MACOMA PHENAX	123	2.0	94.4
DURIDELLA OBSCURA	109	1.8	96.1
MACOMA BALTHICA	61	1.0	97.1
PECTINARIA GOULDII	41	0.7	97.8
STYLOCHUS ELLIPTICUS	20	0.3	98.1
MULINIA LATERALIS	20	0.3	98.5
EDOTEA TRILOBA	20	0.3	98.8
OLIGOCHAETES	13	0.2	99.0
BALANUS BALANOIDES	13	0.2	99.2
GASTROPOD SPECIES A	13	0.2	99.4
HAPLOSCOLOPLOS FRAGILIS	6	0.1	99.5
CALLINECTES SAPIDUS	6	0.1	99.6
COROPHIUM LACUSTRE	6	0.1	99.7
MELITA NITIDA	6	0.1	99.8
SCOLECOLEPIDES VIRIDIS	6	0.1	99.9
ACTEON PUNCTOSTRIATUS	6	0.1	100.0

TOTAL 6132

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
25	2.004	3.219

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.227	0.623	0.297

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
245.280	826.503	1390.457

STATION CCO-II DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	2863	33.8	33.8
STREBLOSPIO BENEDICTI	2282	26.9	60.7
DIADUMENE LEUCOLENA	588	6.9	67.7
GLYCINDE SOLITARIA	553	6.5	74.2
NEREIS SUCCINEA	490	5.8	80.0
POLYDORA LIGNI	392	4.6	84.6
HETEROMASTUS FILIFORMIS	301	3.6	88.2
DURIDELLA OBSCURA	217	2.6	90.7
MACOMA PHENAX	161	1.9	92.6
PARAPRIONOSPIO PINNATA	133	1.6	94.2
MICRURA LEIDYI	126	1.5	95.7
PECTINARIA GOULDII	56	0.7	96.4
OLIGOCHAETES	49	0.6	96.9
MACOMA BALTHICA	49	0.6	97.5
COROPHIUM LACUSTRE	35	0.4	97.9
BALANUS BALANOIDES	35	0.4	98.3
MULINIA LATERALIS	28	0.3	98.7
STYLOCHUS ELLIPTICUS	28	0.3	99.0
GEMMA GEMMA	28	0.3	99.3
EDOTEA TRILOBA	21	0.2	99.6
SCOLECOLEPIDES VIRIDIS	14	0.2	99.8
HAPLOSCOLOPLOS FRAGILIS	7	0.1	99.8
MOLGULA MANHATTENSIS	7	0.1	99.9
TUBULANUS PELLUCIDUS	7	0.1	100.0
TOTAL	8470		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
24	2.044	3.178

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.204	0.643	0.322

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
352.917	1097.043	1730.844

ERDA BENTHIC STUDY
STATION CCO-III

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
PARAPRIONOSPIO PINNATA	1094	273.5	25.65	43.4	43.4	100.0
STREBLOSPIO BENEDICTI	498	124.5	28.70	19.8	63.2	100.0
NEREIS SUCCINEA	400	100.0	21.48	15.9	79.1	100.0
GLYCINDE SOLITARIA	236	59.0	21.06	9.4	88.5	100.0
MACOMA PHENAX	167	41.8	15.40	6.6	95.1	100.0
MULINIA LATERALIS	24	6.0	4.12	1.0	96.1	50.0
LEPTOCHEIRUS PLUMULOSUS	19	4.8	3.30	0.8	96.8	50.0
MACOMA BALTHICA	16	4.0	1.22	0.6	97.5	75.0
MYA ARENARIA	13	3.3	2.81	0.5	98.0	25.0
ETEONE HETEROPODA	12	3.0	2.60	0.5	98.5	25.0
OLIGOCHAETES	11	2.8	1.63	0.4	98.9	50.0
HETEROMASTUS FILIFORMIS	8	2.0	1.73	0.3	99.2	25.0
HAPLOSCOLOPLOS FRAGILIS	7	1.8	0.89	0.3	99.5	50.0
COROPHIUM LACUSTRE	6	1.5	1.30	0.2	99.7	25.0
TURULANUS PELLUCIDUS	4	1.0	0.87	0.2	99.9	25.0
PECTINARIA GOULDII	3	0.8	0.65	0.1	100.0	25.0
TOTALS	2518	629.5	59.15			

STATION CCO-III DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	336	51.5	51.5
STREBLOSPIO BENEDICTI	156	23.9	75.5
NEREIS SUCCINEA	66	10.1	85.6
GLYCINDE SOLITARIA	40	6.1	91.7
MACOMA PHENAX	36	5.5	97.2
MACOMA BALTHICA	6	0.9	98.2
COROPHIUM LACUSTRE	6	0.9	99.1
HAPLOSCOLOPLOS FRAGILIS	3	0.5	99.5
OLIGOCHAETES	3	0.5	100.0
TOTAL	652		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
9	1.383	2.197

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.340	0.629	0.443

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
72.444	163.595	221.739

STATION CCO-III DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	308	44.4	44.4
STREBLOSPIO BENEDICTI	147	21.2	65.7
NEREIS SUCCINEA	140	20.2	85.9
GLYCINDE SOLITARIA	53	7.6	93.5
MULINIA LATERALIS	20	2.9	96.4
MYA ARENARIA	13	1.9	98.3
MACOMA BALTHICA	6	0.9	99.1
MACOMA PHENAX	6	0.9	100.0
TOTAL	693		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
8	1.468	2.079

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.291	0.706	0.543

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
86.625	159.628	201.331

STATION CCO-III DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	244	32.9	32.9
STREBLOSPIO BENEDICTI	169	22.8	55.7
GLYCINDE SOLITARIA	128	17.3	73.0
MACOMA PHENAX	91	12.3	85.3
NEREIS SUCCINEA	49	6.6	91.9
LEPTOCHEIRUS PLUMULOSUS	16	2.2	94.1
ETEONE HETEROPODA	12	1.6	95.7
OLIGOCHAETES	8	1.1	96.8
HETEROMASTUS FILIFORMIS	8	1.1	97.8
TUBULANUS PELLUCIDUS	4	0.5	98.4
MACOMA BALTHICA	4	0.5	98.9
HAPLOSCOLOPLOS FRAGILIS	4	0.5	99.5
MULINIA LATERALIS	4	0.5	100.0
TOTAL	741		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
13	1.803	2.565

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.211	0.703	0.467

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
57.000	122.060	156.214

STATION CCO-III DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	206	47.7	47.7
NEREIS SUCCINEA	145	33.6	81.2
MACOMA PHENAX	34	7.9	89.1
STREBLOSPIO BENEDICTI	26	6.0	95.1
GLYCINDE SOLITARIA	15	3.5	98.6
PECTINARIA GOULDII	3	0.7	99.3
LEPTOCHEIRUS PLUMULOSUS	3	0.7	100.0
TOTAL	432		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
7	1.274	1.946

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.351	0.655	0.511

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
61.714	120.778	151.704

ERDA BENTHIC STUDY
STATION CCI-I

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	1476	369.0	70.63	54.3	54.3	100.0
MACOMA PHENAX	367	91.8	41.88	13.5	67.8	100.0
MICRURA LEIDYI	316	79.0	8.75	11.6	79.4	100.0
GLYCINDE SOLITARIA	202	50.5	26.94	7.4	86.8	75.0
HETEROMASTUS FILIFORMIS	107	26.8	7.69	3.9	90.8	100.0
HAPLOSCOLOPLOS FRAGILIS	50	12.5	4.60	1.8	92.6	100.0
MACOMA BALTHICA	38	9.5	4.76	1.4	94.0	50.0
MONOCULODES EDWARDSI	24	6.0	0.79	0.9	94.9	100.0
STREBLOSPIO BENEDICTI	20	5.0	3.52	0.7	95.6	50.0
PARAPRIONOSPIO PINNATA	19	4.8	2.53	0.7	96.3	50.0
SCOLECOLEPIDES VIRIDIS	17	4.3	2.65	0.6	96.9	50.0
MULINIA LATERALIS	15	3.8	1.88	0.6	97.5	50.0
ACTEOCINA CANALICULATA	15	3.8	1.88	0.6	98.1	50.0
ETEONE LACTEA	12	3.0	0.94	0.4	98.5	75.0
COROPHIUM LACUSTRE	12	3.0	0.94	0.4	98.9	75.0
LEPIDACTYLUS DYTISCUS	10	2.5	2.17	0.4	99.3	25.0
DURIDELLA OBSCURA	4	1.0	0.87	0.1	99.4	25.0
OLIGOCHAETES	4	1.0	0.87	0.1	99.6	25.0
NEREIS SUCCINEA	4	1.0	0.87	0.1	99.7	25.0
ETEONE HETEROPODA	4	1.0	0.87	0.1	99.9	25.0
LEPTOCHEIRUS PLUMULOSUS	3	0.8	0.65	0.1	100.0	25.0
TOTALS	2719	679.7	157.46			

STATION CCI-I DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	563	49.7	49.7
MACOMA PHENAX	219	19.3	69.0
GLYCINDE SOLITARIA	133	11.7	80.8
MICRURA LEIDYI	86	7.6	88.3
HETEROMASTUS FILIFORMIS	51	4.5	92.9
STREBLOSPIO BENEDICTI	17	1.5	94.4
PARAPRIONOSPIO PINNATA	12	1.1	95.4
ACTEOCINA CANALICULATA	8	0.7	96.1
MONOCULODES EDWARDSI	8	0.7	96.8
MULINIA LATERALIS	8	0.7	97.5
HAPLOSCOLOPLOS FRAGILIS	8	0.7	98.2
COROPHIUM LACUSTRE	4	0.4	98.6
SCOLECOLEPIDES VIRIDIS	4	0.4	98.9
ETEONE LACTEA	4	0.4	99.3
NEREIS SUCCINEA	4	0.4	99.6
OLIGOCHAETES	4	0.4	100.0
TOTAL	1133		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
16	1.603	2.773

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.306	0.578	0.310

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
70.813	228.134	347.206

STATION CCI-I DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	442	54.6	54.6
MACOMA PHENAX	115	14.2	68.8
MICRURA LEIDYI	93	11.5	80.2
GLYCINDE SOLITARIA	64	7.9	88.1
HAPLOSCOLOPLOS FRAGILIS	28	3.5	91.6
HETEROMASTUS FILIFORMIS	28	3.5	95.1
ACTEOCINA CANALICULATA	7	0.9	95.9
MONOCULODES EDWARDSI	7	0.9	96.8
MULINIA LATERALIS	7	0.9	97.7
PARAPRIONOSPIO PINNATA	7	0.9	98.5
ETEONE LACTEA	3	0.4	98.9
LEPTOCHEIRUS PLUMULOSUS	3	0.4	99.3
STREBLOSPIO BENEDICTI	3	0.4	99.6
COROPHIUM LACUSTRE	3	0.4	100.0
TOTAL	810		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
14	1.537	2.639

SIMPSON'S U	PIELOU EVENNESS	HILL'S EVENNESS
0.340	0.582	0.332

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
57.857	174.251	275.473

STATION CCI-I DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	260	60.0	60.0
MICRURA LEIDYI	88	20.3	80.4
MACOMA BALTHICA	20	4.6	85.0
MACOMA PHENAX	15	3.5	88.5
HETEROMASTUS FILIFORMIS	10	2.3	90.8
HAPLOSCOLOPLOS FRAGILIS	10	2.3	93.1
LEPIDACTYLUS DYTISCUS	10	2.3	95.4
ETEONE LACTEA	5	1.2	96.5
GLYCINDE SOLITARIA	5	1.2	97.7
COROPHIUM LACUSTRE	5	1.2	98.8
MONOCULODES EDWARDSI	5	1.2	100.0
TOTAL	433		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
11	1.356	2.398

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.407	0.565	0.353

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
39.364	111.607	176.372

STATION CCI-I DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	211	61.5	61.5
MICRURA LEIDYI	49	14.3	75.8
MACOMA BALTHICA	18	5.2	81.0
MACOMA PHENAX	18	5.2	86.3
HETEROMASTUS FILIFORMIS	18	5.2	91.5
SCOLECOLEPIDES VIRIDIS	13	3.8	95.3
DURIDELLA OBSCURA	4	1.2	96.5
ETEONE HETEROPODA	4	1.2	97.7
HAPLOSCOLOPLOS FRAGILIS	4	1.2	98.8
MONOCULODES EDWARDSI	4	1.2	100.0
TOTAL	343		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
10	1.373	2.303

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.409	0.596	0.395

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
34.300	86.934	140.312

ERDA BENTHIC STUDY
STATION CCI-II

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	7470	1867.5	711.10	58.6	58.6	100.0
GLYCINDE SOLITARIA	1055	263.7	61.23	8.3	66.8	100.0
DIADUMENE LEUCOLENA	846	211.5	60.22	6.6	73.5	100.0
HETEROMASTUS FILIFORMIS	642	160.5	17.37	5.0	78.5	100.0
STRE-LOSPIO BENEDICTI	534	133.5	18.65	4.2	82.7	100.0
MICRURA LEIDYI	496	124.0	35.16	3.9	86.6	100.0
NEREIS SUCCINEA	440	110.0	30.81	3.4	90.0	100.0
DURIDELLA OBSCURA	221	55.3	11.49	1.7	91.7	100.0
POLYDORA LIGNI	183	45.8	33.83	1.4	93.2	50.0
PARAPRIONOSPIO PINNATA	173	43.3	8.33	1.4	94.5	100.0
MACOMA BALTHICA	90	22.5	11.00	0.7	95.2	75.0
SCOLECOLEPIDES VIRIDIS	77	19.3	9.98	0.6	95.8	50.0
MACOMA PHENAX	74	18.5	4.16	0.6	96.4	100.0
OLIGOCHAETES	69	17.3	8.99	0.5	97.0	75.0
COROPHIUM LACUSTRE	67	16.8	8.93	0.5	97.5	75.0
GASTROPOD SPECIES A	45	11.3	2.07	0.4	97.8	100.0
BALANUS BALANOIDES	45	11.3	3.51	0.4	98.2	100.0
STYLOCHUS ELLIPTICUS	38	9.5	6.37	0.3	98.5	50.0
MELITA NITIDA	35	8.8	3.25	0.3	98.8	75.0
MULINIA LATERALIS	32	8.0	2.72	0.3	99.0	75.0
HAPLOSCOLOPLOS FRAGILIS	22	5.5	3.09	0.2	99.2	50.0
MOLGULA MANHATTENSIS	17	4.3	2.19	0.1	99.3	50.0
PECTINARIA GOULDII	17	4.3	2.19	0.1	99.5	50.0
ACTEON PUNCTOSTRIATUS	15	3.8	3.25	0.1	99.6	25.0
CALLINECTES SAPIDUS	15	3.8	3.25	0.1	99.7	25.0
BRAC-IODONTES RECURVUS	12	3.0	1.54	0.1	99.8	50.0
EDOTEA TRILOBA	10	2.5	2.17	0.1	99.9	25.0
GASTROPOD SPECIES B	7	1.8	1.52	0.1	99.9	25.0
GEMMA GEMMA	5	1.3	1.08	0.0	100.0	25.0
TURULANUS PELLUCIDUS	5	1.3	1.08	0.0	100.0	25.0
TOTALS	12757	3189.2	985.39			

STATION CCI-II DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	4076	65.6	65.6
GLYCINDE SOLITARIA	409	6.6	72.1
DIADUMENE LEUCOLENA	401	6.5	78.6
MICRURA LEIDYI	208	3.3	81.9
HETEROMASTUS FILIFORMIS	185	3.0	84.9
NEREIS SUCCINEA	185	3.0	87.9
STREBLOSPIO BENEDICTI	177	2.8	90.7
POLYDORA LIGNI	162	2.6	93.3
DURIDELLA OBSCURA	92	1.5	94.8
PARAPRIONOSPIO PINNATA	61	1.0	95.8
COROPHIUM LACUSTRE	46	0.7	96.5
SCOLECOLEPIDES VIRIDIS	46	0.7	97.3
MACOMA PHENAX	30	0.5	97.8
BALANUS BALANOIDES	23	0.4	98.1
CALLINECTES SAPIDUS	15	0.2	98.4
MELITA NITIDA	15	0.2	98.6
ACTEON PUNCTOSTRIATUS	15	0.2	98.9
GASTROPOD SPECIES A	15	0.2	99.1
BRACHIODONTES RECURVUS	7	0.1	99.2
OLIGOCHAETES	7	0.1	99.3
STYLOCHUS ELLIPTICUS	7	0.1	99.4
MULINIA LATERALIS	7	0.1	99.5
HAPLOSCOLOPLOS FRAGILIS	7	0.1	99.7
PECTINARIA GOULDII	7	0.1	99.8
GASTROPOD SPECIES B	7	0.1	99.9
MOLGULA MANHATTENSIS	7	0.1	100.0
TOTAL	6217		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
26	1.498	3.258

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.443	0.460	0.172

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
239.115	1390.099	2755.388

STATION CCI-II DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	2159	59.0	59.0
GLYCINDE SOLITARIA	337	9.2	68.2
DIADUMENE LEUCOLENA	216	5.9	74.1
HETEROMASTUS FILIFORMIS	184	5.0	79.1
MICRURA LEIDYI	174	4.8	83.8
STREBLOSPIO BENEDICTI	158	4.3	88.1
NEREIS SUCCINEA	63	1.7	89.9
PARAPRIONOSPIO PINNATA	58	1.6	91.5
DURIDELLA OBSCURA	47	1.3	92.7
OLIGOCHAETES	47	1.3	94.0
STYLOCHUS ELLIPTICUS	31	0.8	94.9
SCOLECOLEPIDES VIRIDIS	31	0.8	95.7
MACOMA PHENAX	21	0.6	96.3
POLYDORA LIGNI	21	0.6	96.9
MELITA NITIDA	15	0.4	97.3
MULINIA LATERALIS	15	0.4	97.7
MACOMA BALTHICA	15	0.4	98.1
BALANUS BALANOIDES	10	0.3	98.4
EDOTEA TRILOBA	10	0.3	98.6
PECTINARIA GOULDII	10	0.3	98.9
GASTROPOD SPECIES A	10	0.3	99.2
MOLGULA MANHATTENSIS	10	0.3	99.5
TUBULANUS PELLUCIDUS	5	0.1	99.6
BRACHIODONTES RECURVUS	5	0.1	99.7
COROPHIUM LACUSTRE	5	0.1	99.9
GEMMA GEMMA	5	0.1	100.0
TOTAL	3662		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
26	1.700	3.258

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.367	0.522	0.211

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
140.846	668.872	1345.282

STATION CCI-II DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	658	42.9	42.9
GLYCINDE SOLITARIA	224	14.6	57.5
HETEROMASTUS FILIFORMIS	172	11.2	68.7
STREBLOSPIO BENEDICTI	119	7.8	76.4
MICRURA LEIDYI	82	5.3	81.8
DIADUMENE LEUCOLENA	74	4.8	86.6
MACOMA BALTHICA	59	3.8	90.4
NEREIS SUCCINEA	37	2.4	92.8
DURIDELLA OBSCURA	29	1.9	94.7
PARAPRIONOSPIO PINNATA	22	1.4	96.2
HAPLOSCOLOPLOS FRAGILIS	15	1.0	97.1
OLIGOCHAETES	15	1.0	98.1
GASTROPOD SPECIES A	15	1.0	99.1
BALANUS BALANOIDES	7	0.5	99.5
MACOMA PHENAX	7	0.5	100.0
TOTAL	1535		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
15	1.926	2.708

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.232	0.711	0.457

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
102.333	223.725	355.721

STATION CCI-II DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	577	43.0	43.0
NEREIS SUCCINEA	155	11.5	54.5
DIADUMENE LEUCOLENA	155	11.5	66.0
HETEROMASTUS FILIFORMIS	101	7.5	73.6
GLYCINDE SOLITARIA	85	6.3	79.9
STREBLOSPIO BENEDICTI	80	6.0	85.9
DURIDELLA OBSCURA	53	3.9	89.8
PARAPRIONOSPIO PINNATA	32	2.4	92.2
MICRURA LEIDYI	32	2.4	94.6
MACOMA BALTHICA	16	1.2	95.8
MACOMA PHENAX	16	1.2	96.9
COROPHIUM LACUSTRE	16	1.2	98.1
MULINIA LATERALIS	10	0.7	98.9
MELITA NITIDA	5	0.4	99.3
BALANUS BALANOIDES	5	0.4	99.6
GASTROPOD SPECIES A	5	0.4	100.0
TOTAL	1343		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
16	1.962	2.773

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.228	0.707	0.444

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
83.938	188.871	305.736

ERDA BENTHIC STUDY
STATION CCI-III

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
PARAPRIONOSPIO PINNATA	1170	292.5	68.77	31.7	31.7	100.0
NEREIS SUCCINEA	791	197.7	46.59	21.4	53.1	100.0
STREBLOSPIO BENEDICTI	672	168.0	55.00	18.2	71.3	100.0
MACOMA BALTHICA	247	61.8	7.68	6.7	77.9	100.0
LEPTOCHEIRUS PLUMULOSUS	245	61.3	16.97	6.6	84.6	100.0
GLYCINDE SOLITARIA	240	60.0	12.20	6.5	91.1	100.0
MACOMA PHENAX	142	35.5	13.54	3.8	94.9	100.0
OLIGOCHAETES	106	26.5	10.81	2.9	97.8	100.0
MULINIA LATERALIS	44	11.0	4.14	1.2	99.0	100.0
HETEROMASTUS FILIFORMIS	17	4.3	3.68	0.5	99.4	25.0
ETEONE HETEROPODA	17	4.3	2.13	0.5	99.9	50.0
PECTINARIA GOULDII	4	1.0	0.87	0.1	100.0	25.0
TOTALS	3695	923.7	193.15			

STATION CCI-III
REPLICATE NUMBER 1

DECEMBER 1976

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	513	33.2	33.2
STREBLOSPIO BENEDICTI	357	23.1	56.3
NEREIS SUCCINEA	320	20.7	77.0
GLYCINDE SOLITARIA	91	5.9	82.9
MACOMA PHENAX	82	5.3	88.2
MACOMA BALTHICA	64	4.1	92.4
LEPTOCHEIRUS PLUMULOSUS	55	3.6	95.9
OLIGOCHAETES	45	2.9	98.8
ETEONE HETEROPODA	9	0.6	99.4
MULINIA LATERALIS	9	0.6	100.0
TOTAL	1545		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
10	1.767	2.303

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.217	0.767	0.585

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
154.500	263.983	334.841

STATION CCI-III DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
NEREIS SUCCINEA	255	30.1	30.1
PARAPRIONOSPIO PINNATA	179	21.1	51.2
STREBLOSPIO BENEDICTI	102	12.0	63.2
MACOMA BALTHICA	85	10.0	73.2
GLYCINDE SOLITARIA	59	7.0	80.2
OLIGOCHAETES	51	6.0	86.2
LEPTOCHEIRUS PLUMULOSUS	42	5.0	91.2
MACOMA PHENAX	25	2.9	94.1
MULINIA LATERALIS	25	2.9	97.1
HETEROMASTUS FILIFORMIS	17	2.0	99.1
ETEONE HETEROPODA	8	0.9	100.0
TOTAL	848		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
11	2.008	2.398

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.173	0.838	0.677

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
77.091	113.794	146.396

STATION CCI-III DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	174	36.0	36.0
NEREIS SUCCINEA	94	19.5	55.5
STREBLOSPIO BENEDICTI	87	18.0	73.5
MACOMA BALTHICA	43	8.9	82.4
LEPTOCHEIRUS PLUMULOSUS	30	6.2	88.6
GLYCINDE SOLITARIA	23	4.8	93.4
MACOMA PHENAX	20	4.1	97.5
OLIGOCHAETES	6	1.2	98.8
MULINIA LATERALIS	6	1.2	100.0
TOTAL	483		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
9	1.769	2.197

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.216	0.805	0.652

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
53.667	82.363	104.412

STATION CCI-III
REPLICATE NUMBER 4

DECEMBER 1976

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	304	37.1	37.1
STREBLOSPIO BENEDICTI	126	15.4	52.5
NEREIS SUCCINEA	122	14.9	67.4
LEPTOCHEIRUS PLUMULOSUS	118	14.4	81.8
GLYCINDE SOLITARIA	67	8.2	90.0
MACOMA BALTHICA	55	6.7	96.7
MACOMA PHENAX	15	1.8	98.5
PECTINARIA GOULDII	4	0.5	99.0
OLIGOCHAETES	4	0.5	99.5
MULINIA LATERALIS	4	0.5	100.0
TOTAL	819		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
10	1.756	2.303

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.216	0.763	0.579

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
81.900	141.469	176.907

ERDA BENTHIC STUDY
STATION CCS-I

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
HETEROMASTUS FILIFORMIS	197	49.3	14.71	23.0	23.0	100.0
MYA ARENARIA	179	44.8	4.90	20.9	43.9	100.0
ETEONE LACTEA	104	26.0	11.47	12.1	56.1	100.0
MICRURA LEIDYI	103	25.8	5.93	12.0	68.1	100.0
LEPIDACTYLUS DYTISCUS	77	19.3	5.34	9.0	77.1	100.0
COROPHIUM LACUSTRE	57	14.3	5.94	6.7	83.8	75.0
NEREIS SUCCINEA	37	9.3	4.23	4.3	88.1	75.0
STREBLOSPIO BENEDICTI	35	8.8	3.11	4.1	92.2	75.0
MACOMA BALTHICA	11	2.8	1.39	1.3	93.5	50.0
POLYDORA LIGNI	11	2.8	1.39	1.3	94.7	50.0
MONOCULODES EDWARDSI	11	2.8	1.39	1.3	96.0	50.0
TURULANUS PELLUCIDUS	6	1.5	1.30	0.7	96.7	25.0
OLIGOCHAETES	6	1.5	1.30	0.7	97.4	25.0
HAPLOSCOLOPLOS FRAGILIS	6	1.5	1.30	0.7	98.1	25.0
BALANUS BALANOIDES	6	1.5	1.30	0.7	98.8	25.0
PARAPRIONOSPIO PINNATA	5	1.3	1.08	0.6	99.4	25.0
GLYCINDE SOLITARIA	5	1.3	1.08	0.6	100.0	25.0
TOTALS	856	214.0	27.37			

STATION CCS-I
REPLICATE NUMBER 1

DECEMBER 1976

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	61	30.7	30.7
HETEROMASTUS FILIFORMIS	44	22.1	52.8
MICRURA LEIDYI	35	17.6	70.4
LEPIDACTYLUS DYTISCUS	35	17.6	87.9
NEREIS SUCCINEA	8	4.0	92.0
ETEONE LACTEA	8	4.0	96.0
COROPHIUM LACUSTRE	8	4.0	100.0
TOTAL	199		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
7	1.695	1.946

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.210	0.871	0.778

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
28.429	36.534	41.703

STATION CCS-I DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
HETEROMASTUS FILIFORMIS	98	38.1	38.1
MYA ARENARIA	43	16.7	54.9
COROPHIUM LACUSTRE	32	12.5	67.3
MICRURA LEIDYI	27	10.5	77.8
STREBLOSPIO BENEDICTI	16	6.2	84.0
ETEONE LACTEA	11	4.3	88.3
POLYDORA LIGNI	5	1.9	90.3
PARAPRIONOSPIO PINNATA	5	1.9	92.2
LEPIDACTYLUS DYTISCUS	5	1.9	94.2
GLYCINDE SOLITARIA	5	1.9	96.1
MACOMA BALTHICA	5	1.9	98.1
MONOCULODES EDWARDSI	5	1.9	100.0
TOTAL	257		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
12	1.931	2.485

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.208	0.777	0.574

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
21.417	37.284	53.436

STATION CCS-I DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	40	30.5	30.5
ETEONE LACTEA	20	15.3	45.8
HETEROMASTUS FILIFORMIS	20	15.3	61.1
LEPIDACTYLUS DYTISCUS	20	15.3	76.3
STREBLOSPIO BENEDICTI	13	9.9	86.3
BALANUS BALANOIDES	6	4.6	90.8
MICRURA LEIDYI	6	4.6	95.4
NEREIS SUCCINEA	6	4.6	100.0
TOTAL	131		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
8	1.876	2.079

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.179	0.902	0.816

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
16.375	20.070	23.488

STATION CCS-I DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
ETEONE LACTEA	65	24.2	24.2
HETEROMASTUS FILIFORMIS	35	13.0	37.2
MICRURA LEIDYI	35	13.0	50.2
MYA ARENARIA	35	13.0	63.2
NEREIS SUCCINEA	23	8.6	71.7
LEPIDACTYLUS DYTISCUS	17	6.3	78.1
COROPHIUM LACUSTRE	17	6.3	84.4
HAPLOSCOLOPLOS FRAGILIS	6	2.2	86.6
STREBLOSPIO BENEDICTI	6	2.2	88.8
OLIGOCHAETES	6	2.2	91.1
MONOCULODES EDWARDSI	6	2.2	93.3
TUBULANUS PELLUCIDUS	6	2.2	95.5
MACOMA BALTHICA	6	2.2	97.8
POLYDORA LIGNI	6	2.2	100.0
TOTAL	269		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
14	2.292	2.639

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.128	0.869	0.707

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
19.214	27.178	34.420

ERDA BENTHIC STUDY
STATION CCS-II

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	6526	1631.5	410.76	49.4	49.4	100.0
STREBLOSPIO BENEDICTI	1645	411.2	56.49	12.5	61.9	100.0
GLYCINDE SOLITARIA	1392	348.0	52.59	10.5	72.4	100.0
HETEROMASTUS FILIFORMIS	1096	274.0	7.31	8.3	80.7	100.0
NEREIS SUCCINEA	685	171.2	35.65	5.2	85.9	100.0
PARAPRIONOSPIO PINNATA	478	119.5	13.50	3.6	89.5	100.0
MICRURA LEIDYI	345	86.3	17.86	2.6	92.1	100.0
MACOMA BALTHICA	257	64.3	10.10	1.9	94.1	100.0
GASTROPOD SPECIES A	195	48.8	11.05	1.5	95.6	100.0
MACOMA PHENAX	164	41.0	12.35	1.2	96.8	100.0
ACTEON PUNCTOSTRIATUS	73	18.3	9.72	0.6	97.4	50.0
DIADUMENE LEUCOLENA	59	14.8	4.75	0.4	97.8	100.0
SCOLECOLEPIDES VIRIDIS	49	12.3	5.00	0.4	98.2	75.0
PECTINARIA GOULDII	38	9.5	2.97	0.3	98.5	75.0
POLYDORA LIGNI	37	9.3	3.56	0.3	98.7	75.0
STYLOCHUS ELLIPTICUS	36	9.0	3.48	0.3	99.0	75.0
COROPHIUM LACUSTRE	25	6.3	3.25	0.2	99.2	50.0
GEMMA GEMMA	21	5.3	2.41	0.2	99.4	75.0
MULINIA LATERALIS	19	4.8	2.68	0.1	99.5	50.0
BALANUS BALANOIDES	16	4.0	2.67	0.1	99.6	50.0
OLIGOCHAETES	15	3.8	1.29	0.1	99.7	75.0
GASTROPOD SPECIES B	13	3.3	2.81	0.1	99.8	25.0
ETEONE LACTEA	7	1.8	1.52	0.1	99.9	25.0
EDOTEA TRILOBA	6	1.5	1.30	0.0	99.9	25.0
CALLINECTES SAPIDUS	5	1.3	1.08	0.0	100.0	25.0
MELITA NITIDA	3	0.8	0.65	0.0	100.0	25.0
TOTALS	13205	3301.2	518.47			

STATION CCS-II
REPLICATE NUMBER 1

DECEMBER 1976

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	1379	43.8	43.8
STREBLOSPIO BENEDICTI	595	18.9	62.6
GLYCINDE SOLITARIA	312	9.9	72.5
HETEROMASTUS FILIFORMIS	297	9.4	82.0
NEREIS SUCCINEA	145	4.6	86.6
PARAPRIONOSPIO PINNATA	108	3.4	90.0
MACOMA BALTHICA	94	3.0	93.0
MACOMA PHENAX	79	2.5	95.5
MICRURA LEIDYI	43	1.4	96.9
GASTROPOD SPECIES A	36	1.1	98.0
DIADUMENE LEUCOLENA	21	0.7	98.7
POLYDORA LIGNI	14	0.4	99.1
PECTINARIA GOULDII	14	0.4	99.6
OLIGOCHAETES	7	0.2	99.8
ETEONE LACTEA	7	0.2	100.0
TOTAL	3151		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
15	1.801	2.708

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.251	0.665	0.404

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
210.067	520.424	791.195

STATION CCS-II DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	700	35.5	35.5
STREBLOSPIO BENEDICTI	287	14.6	50.1
HETEROMASTUS FILIFORMIS	257	13.0	63.1
GLYCINDE SOLITARIA	196	9.9	73.1
PARAPRIONOSPIO PINNATA	166	8.4	81.5
NEREIS SUCCINEA	95	4.8	86.3
MACOMA BALTHICA	70	3.6	89.9
MICRURA LEIDYI	60	3.0	92.9
MACOMA PHENAX	45	2.3	95.2
GASTROPOD SPECIES A	35	1.8	97.0
PECTINARIA GOULDII	15	0.8	97.7
COROPHIUM LACUSTRE	10	0.5	98.2
STYLOCHUS ELLIPTICUS	5	0.3	98.5
POLYDORA LIGNI	5	0.3	98.7
CALLINECTES SAPIDUS	5	0.3	99.0
SCOLECOLEPIDES VIRIDIS	5	0.3	99.2
DIADUMENE LEUCOLENA	5	0.3	99.5
OLIGOCHAETES	5	0.3	99.7
GEMMA GEMMA	5	0.3	100.0

TOTAL 1971

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
19	2.051	2.944

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.187	0.696	0.409

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
103.737	253.557	368.169

STATION CCS-II DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	2954	60.5	60.5
GLYCINDE SOLITARIA	475	9.7	70.2
STREBLOSPIO BENEDICTI	388	7.9	78.2
NEREIS SUCCINEA	288	5.9	84.1
HETEROMASTUS FILIFORMIS	274	5.6	89.7
MICRURA LEIDYI	113	2.3	92.0
PARAPRIONOSPIO PINNATA	100	2.0	94.1
GASTROPOD SPECIES A	87	1.8	95.8
MACOMA BALTHICA	53	1.1	96.9
ACTEON PUNCTOSTRIATUS	46	0.9	97.9
SCOLECOLEPIDES VIRIDIS	20	0.4	98.3
MACOMA PHENAX	13	0.3	98.5
MULINIA LATERALIS	13	0.3	98.8
STYLOCHUS ELLIPTICUS	13	0.3	99.1
BALANUS BALANOIDES	13	0.3	99.3
GASTROPOD SPECIES B	13	0.3	99.6
GEMMA GEMMA	13	0.3	99.9
DIADUMENE LEUCOLENA	6	0.1	100.0
TOTAL	4882		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
18	1.518	2.890

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.390	0.525	0.253

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
271.222	1070.243	1904.341

STATION CCS-II DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	1493	46.6	46.6
GLYCINDE SOLITARIA	409	12.8	59.4
STREBLOSPIO BENEDICTI	375	11.7	71.1
HETEROMASTUS FILIFORMIS	268	8.4	79.5
NEREIS SUCCINEA	157	4.9	84.4
MICRURA LEIDYI	129	4.0	88.4
PARAPRIONOSPIO PINNATA	104	3.2	91.7
MACOMA BALTHICA	40	1.2	92.9
GASTROPOD SPECIES A	37	1.2	94.1
MACOMA PHENAX	27	0.8	94.9
ACTEON PUNCTOSTRIATUS	27	0.8	95.8
DIADUMENE LEUCOLENA	27	0.8	96.6
SCOLECOLEPIDES VIRIDIS	24	0.7	97.4
POLYDORA LIGNI	18	0.6	97.9
STYLOCHUS ELLIPTICUS	18	0.6	98.5
COROPHIUM LACUSTRE	15	0.5	99.0
PECTINARIA GOULDII	9	0.3	99.3
EDOTEA TRILOBA	6	0.2	99.4
MULINIA LATERALIS	6	0.2	99.6
OLIGOCHAETES	3	0.1	99.7
BALANUS BALANOIDES	3	0.1	99.8
MELITA NITIDA	3	0.1	99.9
GEMMA GEMMA	3	0.1	100.0
TOTAL	3201		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
23	1.880	3.135

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.250	0.599	0.285

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
139.174	488.665	833.386

ERDA BENTHIC STUDY
STATION CCS-III

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
PARAPRIONOSPIO PINNATA	1115	278.7	104.38	36.8	36.8	100.0
STREBLOSPIO BENEDICTI	961	240.2	92.06	31.7	68.5	100.0
NEREIS SUCCINEA	391	97.8	35.87	12.9	81.4	100.0
GLYCINDE SOLITARIA	177	44.3	17.58	5.8	87.2	75.0
HETEROMASTUS FILIFORMIS	106	26.5	15.36	3.5	90.7	50.0
MACOMA BALTHICA	104	26.0	9.80	3.4	94.1	100.0
PECTINARIA GOULDII	75	18.8	11.43	2.5	96.6	50.0
MACOMA PHENAX	34	8.5	3.21	1.1	97.7	75.0
MULINIA LATERALIS	23	5.8	1.02	0.8	98.5	100.0
MYA ARENARIA	17	4.3	2.30	0.6	99.0	50.0
HAPLOSCOLOPLOS FRAGILIS	13	3.3	1.63	0.4	99.5	50.0
OLIGOCHAETES	12	3.0	2.60	0.4	99.9	25.0
LEPTOCHEIRUS PLUMULOSUS	4	1.0	0.87	0.1	100.0	25.0
TOTALS	3032	758.0	277.79			

STATION CCS-III DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	512	37.6	37.6
STREBLOSPIO BENEDICTI	488	35.8	73.4
NEREIS SUCCINEA	146	10.7	84.1
GLYCINDE SOLITARIA	91	6.7	90.8
MACOMA BALTHICA	47	3.4	94.2
HETEROMASTUS FILIFORMIS	31	2.3	96.5
PECTINARIA GOULDII	19	1.4	97.9
MYA ARENARIA	11	0.8	98.7
MACOMA PHENAX	7	0.5	99.2
HAPLOSCOLOPLOS FRAGILIS	7	0.5	99.7
MOLINIA LATERALIS	4	0.3	100.0
TOTAL	1363		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
11	1.527	2.398

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.287	0.637	0.419

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
123.909	295.904	391.526

STATION CCS-III DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	455	36.1	36.1
STREBLOSPIO BENEDICTI	347	27.6	63.7
NEREIS SUCCINEA	189	15.0	78.7
HETEROMASTUS FILIFORMIS	75	6.0	84.7
GLYCINDE SOLITARIA	63	5.0	89.7
PECTINARIA GOULDII	56	4.4	94.1
MACOMA BALTHICA	44	3.5	97.6
OLIGOCHAETES	12	1.0	98.6
HAPLOSCOLOPLOS FRAGILIS	6	0.5	99.0
MULINIA LATERALIS	6	0.5	99.5
MYA ARENARIA	6	0.5	100.0
TOTAL	1259		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
11	1.702	2.398

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.239	0.710	0.499

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
114.455	229.531	300.295

STATION CCS-III DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
STREBLOSPIO BENEDICTI	62	41.3	41.3
NEREIS SUCCINEA	38	25.3	66.7
PARAPRIONOSPIO PINNATA	24	16.0	82.7
MACOMA PHENAX	9	6.0	88.7
MULINIA LATERALIS	9	6.0	94.7
LEPTOCHEIRUS PLUMULOSUS	4	2.7	97.3
MACOMA BALTHICA	4	2.7	100.0
TOTAL	150		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
7	1.537	1.946

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.269	0.790	0.664

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
21.429	32.249	40.387

STATION CCS-III DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	124	47.7	47.7
STREBLOSPIO BENEDICTI	64	24.6	72.3
GLYCINDE SOLITARIA	23	8.8	81.2
NEREIS SUCCINEA	18	6.9	88.1
MACOMA PHENAX	18	6.9	95.0
MACOMA BALTHICA	9	3.5	98.5
MULINIA LATERALIS	4	1.5	100.0
TOTAL	260		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
7	1.463	1.946

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.307	0.752	0.617

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
37.143	60.195	79.792

ERDA BENTHIC STUDY
STATION RP-I

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	1868	467.0	20.29	48.7	48.7	100.0
HETEROMASTUS FILIFORMIS	602	150.5	30.08	15.7	64.4	100.0
MACOMA PHENAX	332	83.0	19.93	8.7	73.0	100.0
GLYCINDE SOLITARIA	284	71.0	4.43	7.4	80.4	100.0
MICRURA LEIDYI	264	66.0	6.34	6.9	87.3	100.0
STREBLOSPIO BENEDICTI	96	24.0	3.30	2.5	89.8	100.0
PARAPRIONOSPIO PINNATA	85	21.3	2.16	2.2	92.0	100.0
LEPIDACTYLUS DYTISCUS	81	20.3	8.31	2.1	94.1	100.0
HAPLOSCOLOPLOS FRAGILIS	59	14.8	4.81	1.5	95.7	100.0
ETEONE LACTEA	24	6.0	1.87	0.6	96.3	100.0
LEPTOCHEIRUS PLUMULOSUS	24	6.0	3.67	0.6	96.9	50.0
NEREIS SUCCINEA	23	5.8	2.19	0.6	97.5	75.0
GASTROPOD SPECIES A	21	5.3	2.33	0.5	98.1	75.0
MACOMA BALTHICA	18	4.5	2.49	0.5	98.5	50.0
SCOLECOLEPIDES VIRIDIS	16	4.0	2.45	0.4	99.0	50.0
TAGELUS PLEBEIUS	8	8.0	0.0	0.2	99.2	50.0
GEMMA GEMMA	6	1.5	1.30	0.2	99.3	25.0
MULINIA LATERALIS	6	1.5	1.30	0.2	99.5	25.0
ACTEOCINA CANALICULATA	6	1.5	0.83	0.2	99.6	50.0
CALLINECTES SAPIDUS	6	1.5	0.83	0.2	99.8	50.0
PECTINARIA GOULDII	2	0.5	0.43	0.1	99.8	25.0
CYATHURA POLITA	2	0.5	0.43	0.1	99.9	25.0
BALANUS BALANOIDES	2	0.5	0.43	0.1	99.9	25.0
DIADUMENE LEUCOLENA	2	0.5	0.43	0.1	100.0	25.0
TOTALS	3837	959.2	63.95			

STATION RP-I DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	527	62.7	62.7
GLYCINDE SOLITARIA	65	7.7	70.4
MACOMA PHENAX	60	7.1	77.5
HETEROMASTUS FILIFORMIS	53	6.3	83.8
MICRURA LEIDYI	45	5.4	89.2
PARAPRIONOSPIO PINNATA	26	3.1	92.3
STREBLOSPIO BENEDICTI	19	2.3	94.5
LEPIDACTYLUS DYTISCUS	9	1.1	95.6
NEREIS SUCCINEA	7	0.8	96.4
HAPLOSCOLOPLOS FRAGILIS	7	0.8	97.3
GASTROPOD SPECIES A	7	0.8	98.1
CALLINECTES SAPIDUS	4	0.5	98.6
ETEONE LACTEA	4	0.5	99.0
CYATHURA POLITA	2	0.2	99.3
BALANUS BALANOIDES	2	0.2	99.5
ACTEOCINA CANALICULATA	2	0.2	99.8
TAGELUS PLEBEIUS	2	0.2	100.0
TOTAL	841		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
17	1.480	2.833

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.412	0.522	0.258

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
49.471	191.525	346.849

STATION RP-I DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	435	49.5	49.5
HETEROMASTUS FILIFORMIS	149	17.0	66.4
MICRURA LEIDYI	77	8.8	75.2
GLYCINDE SOLITARIA	72	8.2	83.4
MACOMA PHENAX	58	6.6	90.0
LEPIDACTYLUS DYTISCUS	18	2.0	92.0
PARAPRIONOSPIO PINNATA	16	1.8	93.9
HAPLOSCOLOPLOS FRAGILIS	16	1.8	95.7
STREBLOSPIO BENEDICTI	16	1.8	97.5
ACTEOCINA CANALICULATA	4	0.5	98.0
SCOLECOLEPIDES VIRIDIS	4	0.5	98.4
NEREIS SUCCINEA	4	0.5	98.9
CALLINECTES SAPIDUS	2	0.2	99.1
DIADUMENE LEUCOLENA	2	0.2	99.3
ETEONE LACTEA	2	0.2	99.5
PECTINARIA GOULDII	2	0.2	99.8
GASTROPOD SPECIES A	2	0.2	100.0
TOTAL	879		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
17	1.680	2.833

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.294	0.596	0.318

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
51.706	162.544	258.319

STATION RP-I DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	425	44.9	44.9
HETEROMASTUS FILIFORMIS	206	21.8	66.7
MICRURA LEIDYI	75	7.9	74.6
MACOMA PHENAX	62	6.6	81.2
GLYCINDE SOLITARIA	62	6.6	87.7
STREBLOSPIO BENEDICTI	31	3.3	91.0
PARAPRIONOSPIO PINNATA	25	2.6	93.7
MACOMA BALTHICA	12	1.3	94.9
NEREIS SUCCINEA	12	1.3	96.2
ETEONE LACTEA	12	1.3	97.5
HA-LOSCOLOPLOS FRAGILIS	6	0.6	98.1
LEPIDACTYLUS DYTISCUS	6	0.6	98.7
LEPTOCHEIRUS PLUMULOSUS	6	0.6	99.4
GEMMA GEMMA	6	0.6	100.0
TOTAL	946		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
14	1.752	2.639

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.267	0.664	0.412

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
67.571	164.030	252.152

STATION RP-I
REPLICATE NUMBER 4

DECEMBER 1976

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	481	41.1	41.1
HETEROMASTUS FILIFORMIS	194	16.6	57.6
MACOMA PHENAX	152	13.0	70.6
GLYCINDE SOLITARIA	85	7.3	77.9
MICRURA LEIDYI	67	5.7	83.6
LEPIDACTYLUS DYTISCUS	48	4.1	87.7
STREBLOSPIO BENEDICTI	30	2.6	90.3
HAPLOSCOLOPLOS FRAGILIS	30	2.6	92.8
PARAPRIONOSPIO PINNATA	18	1.5	94.4
LEPTOCHEIRUS PLUMULOSUS	18	1.5	95.9
SCOLECOLEPIDES VIRIDIS	12	1.0	96.9
GASTROPOD SPECIES A	12	1.0	98.0
MULINIA LATERALIS	6	0.5	98.5
MACOMA BALTHICA	6	0.5	99.0
ETEONE LACTEA	6	0.5	99.5
TAGELUS PLEBEIUS	6	0.5	100.0
TOTAL	1171		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
16	1.931	2.773

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.225	0.697	0.431

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
73.188	169.724	263.875

ERDA BENTHIC STUDY
STATION RP-II

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
MYA ARENARIA	4126	1031.5	87.77	42.7	42.7	100.0
GLYCINDE SOLITARIA	1427	356.7	160.88	14.8	57.4	100.0
HETEROMASTUS FILIFORMIS	957	239.2	87.03	9.9	67.3	100.0
STREBLOSPIO BENEDICTI	668	167.0	84.13	6.9	74.3	50.0
MICRURA LEIDYI	510	127.5	14.33	5.3	79.5	100.0
NEREIS SUCCINEA	407	101.8	52.69	4.2	83.7	75.0
PARAPRIONOSPIO PINNATA	319	79.8	37.93	3.3	87.0	75.0
MACOMA PHENAX	280	70.0	23.17	2.9	89.9	100.0
GASTROPOD SPECIES A	245	61.3	15.47	2.5	92.5	100.0
MACOMA BALTHICA	212	53.0	24.99	2.2	94.7	75.0
GEMMA GEMMA	177	44.3	22.15	1.8	96.5	100.0
PECTINARIA GOULDII	73	18.3	11.65	0.8	97.3	50.0
ACTEON PUNCTOSTRIATUS	68	17.0	8.53	0.7	98.0	50.0
MULINIA LATERALIS	63	15.8	3.78	0.7	98.6	100.0
SCOLECOLEPIDES VIRIDIS	29	7.3	0.74	0.3	98.9	100.0
DIADUMENE LEUCOLENA	21	5.3	4.55	0.2	99.1	25.0
OLIGOCHAETES	19	4.8	3.30	0.2	99.3	50.0
TUBULANUS PELLUCIDUS	13	3.3	2.04	0.1	99.5	50.0
MOLGULA MANHATTENSIS	10	2.5	2.17	0.1	99.6	25.0
STYLOCHUS ELLIPTICUS	8	2.0	1.06	0.1	99.6	50.0
EDOTEA TRILOBA	8	2.0	1.06	0.1	99.7	50.0
CYATHURA POLITA	8	2.0	1.73	0.1	99.8	25.0
POLYDORA LIGNI	5	1.3	1.08	0.1	99.9	25.0
ETEONE LACTEA	4	1.0	0.87	0.0	99.9	25.0
HAPLOSCOLOPLOS FRAGILIS	3	0.8	0.65	0.0	99.9	25.0
LEPTOCHEIRUS PLUMULOSUS	3	0.8	0.65	0.0	100.0	25.0
COROPHIUM LACUSTRE	3	0.8	0.65	0.0	100.0	25.0
TOTALS	9666	2416.5	599.17			

STATION RP-II DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	877	66.6	66.6
MICRURA LEIDYI	164	12.5	79.0
HETEROMASTUS FILIFORMIS	98	7.4	86.5
GLYCINDE SOLITARIA	49	3.7	90.2
GASTROPOD SPECIES A	41	3.1	93.3
MACOMA PHENAX	32	2.4	95.7
MULINIA LATERALIS	16	1.2	97.0
NEREIS SUCCINEA	8	0.6	97.6
PARAPRIONOSPIO PINNATA	8	0.6	98.2
SCOLECOLEPIDES VIRIDIS	8	0.6	98.8
CYATHURA POLITA	8	0.6	99.4
GEMMA GEMMA	8	0.6	100.0
TOTAL	1317		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
12	1.253	2.485

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.468	0.504	0.292

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
109.750	376.239	616.029

STATION RP-II DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	876	73.1	73.1
MICRURA LEIDYI	146	12.2	85.3
HETEROMASTUS FILIFORMIS	50	4.2	89.5
GLYCINDE SOLITARIA	41	3.4	92.9
GASTROPOD SPECIES A	27	2.3	95.2
MACOMA PHENAX	18	1.5	96.7
MULINIA LATERALIS	9	0.8	97.4
MACOMA BALTHICA	9	0.8	98.2
SCOLECOLEPIDES VIRIDIS	9	0.8	98.9
GEMMA GEMMA	9	0.8	99.7
ETEONE LACTEA	4	0.3	100.0
TOTAL	1198		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
11	1.048	2.398

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.553	0.437	0.259

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
108.909	420.042	662.992

STATION RP-II DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	1303	32.6	32.6
GLYCINDE SOLITARIA	781	19.5	52.1
HETEROMASTUS FILIFORMIS	478	11.9	64.0
STREBLOSPIO BENEDICTI	363	9.1	73.1
NEREIS SUCCINEA	255	6.4	79.5
PARAPRIONOSPIO PINNATA	151	3.8	83.2
MACOMA PHENAX	129	3.2	86.5
MACOMA BALTHICA	118	2.9	89.4
GASTROPOD SPECIES A	108	2.7	92.1
MICRURA LEIDYI	93	2.3	94.4
PECTINARIA GOULDII	57	1.4	95.9
GEMMA GEMMA	43	1.1	96.9
ACTEON PUNCTOSTRIATUS	36	0.9	97.8
MULINIA LATERALIS	28	0.7	98.5
DIADUMENE LEUCOLENA	21	0.5	99.1
MOLGULA MANHATTENSIS	10	0.2	99.3
SCOLECOLEPIDES VIRIDIS	7	0.2	99.5
HAPLOSCOLOPLOS FRAGILIS	3	0.1	99.6
EDOTEA TRILOBA	3	0.1	99.6
OLIGOCHAETES	3	0.1	99.7
STYLOCHUS ELLIPTICUS	3	0.1	99.8
COROPHIUM LACUSTRE	3	0.1	99.8
TUBULANUS PELLUCIDUS	3	0.1	99.9
LEPTOCHEIRUS PLUMULOSUS	3	0.1	100.0
TOTAL	4002		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
24	2.132	3.178

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.176	0.671	0.351

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
166.750	474.598	703.284

STATION RP-II DECEMBER 1976
REPLICATE NUMBER 4

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
MYA ARENARIA	1070	34.0	34.0
GLYCINDE SOLITARIA	556	17.7	51.6
HETEROMASTUS FILIFORMIS	331	10.5	62.1
STREBLOSPIO BENEDICTI	305	9.7	71.8
PARAPRIONOSPIO PINNATA	160	5.1	76.9
NEREIS SUCCINEA	144	4.6	81.5
GEMMA GEMMA	117	3.7	85.2
MICRURA LEIDYI	107	3.4	88.6
MACOMA PHENAX	101	3.2	91.8
MACOMA BALTHICA	85	2.7	94.5
GASTROPOD SPECIES A	69	2.2	96.7
ACTEON PUNCTOSTRIATUS	32	1.0	97.7
OLIGOCHAETES	16	0.5	98.2
PECTINARIA GOULDII	16	0.5	98.7
MULINIA LATERALIS	10	0.3	99.0
TUBULANUS PELLUCIDUS	10	0.3	99.4
POLYDORA LIGNI	5	0.2	99.5
EDOTEA TRILOBA	5	0.2	99.7
STYLOCHUS ELLIPTICUS	5	0.2	99.8
SCOLECOLEPIDES VIRIDIS	5	0.2	100.0
TOTAL	3149		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
20	2.135	2.996

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.177	0.713	0.423

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
157.450	372.388	556.403

ERDA BENTHIC STUDY
STATION RP-III

DECEMBER 1976
TOTALS ALL REPLICATES

SPECIES NAME	NUMBER OF INDIVIDUALS IN SAMPLES	MEAN NUMBER OF INDIVIDUALS PER SQ. M	STANDARD ERROR OF THE MEAN	PERCENT FAUNA	CUMULATIVE PERCENT	FREQUENCY OF OCCURRENCE IN SAMPLES
PARAPRIONOSPIO PINNATA	1159	289.7	40.98	40.6	40.6	100.0
STREBLOSPIO BENEDICTI	1084	271.0	52.03	37.9	78.5	100.0
MACOMA PHENAX	226	56.5	5.75	7.9	86.4	100.0
NEREIS SUCCINEA	144	36.0	2.81	5.0	91.4	100.0
GLYCINDE SOLITARIA	137	34.3	5.98	4.8	96.2	100.0
MULINIA LATERALIS	45	11.3	5.02	1.6	97.8	100.0
MACOMA BALTHICA	42	10.5	6.21	1.5	99.3	100.0
PECTINARIA GOULDII	4	1.0	0.87	0.1	99.4	25.0
ETEONE HETEROPODA	4	1.0	0.87	0.1	99.5	25.0
LEPTOCHEIRUS PLUMULOSUS	4	1.0	0.87	0.1	99.7	25.0
MYA ARENARIA	3	0.8	0.65	0.1	99.8	25.0
HAPLOSCOLOPLOS FRAGILIS	3	0.8	0.65	0.1	99.9	25.0
HETEROMASTUS FILIFORMIS	3	0.8	0.65	0.1	100.0	25.0
TOTALS	2858	714.5	106.61			

STATION RP-III DECEMBER 1976
REPLICATE NUMBER 1

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	276	43.6	43.6
STREBLOSPIO BENEDICTI	254	40.1	83.7
MACOMA PHENAX	51	8.1	91.8
NEREIS SUCCINEA	29	4.6	96.4
GLYCINDE SOLITARIA	14	2.2	98.6
MACOMA BALTHICA	3	0.5	99.1
HETEROMASTUS FILIFORMIS	3	0.5	99.5
MULINIA LATERALIS	3	0.5	100.0
TOTAL	633		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
8	1.233	2.079

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.3[illegible]0	0.593	0.429

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
79.125	184.486	228.052

STATION RP-III DECEMBER 1976
REPLICATE NUMBER 2

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	174	38.5	38.5
STREBLOSPIO BENEDICTI	130	28.8	67.3
GLYCINDE SOLITARIA	44	9.7	77.0
MACOMA PHENAX	44	9.7	86.7
NEREIS SUCCINEA	41	9.1	95.8
MULINIA LATERALIS	10	2.2	98.0
HAPLOSCOLOPLOS FRAGILIS	3	0.7	98.7
MACOMA BALTHICA	3	0.7	99.3
MYA ARENARIA	3	0.7	100.0
TOTAL	452		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
9	1.581	2.197

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.259	0.720	0.540

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
50.222	92.979	116.938

STATION RP-III DECEMBER 1976
REPLICATE NUMBER 3

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
STREBLOSPIO BENEDICTI	423	40.7	40.7
PARAPRIONOSPIO PINNATA	404	38.8	79.5
MACOMA PHENAX	75	7.2	86.7
GLYCINDE SOLITARIA	42	4.0	90.8
MACOMA BALTHICA	32	3.1	93.8
NEREIS SUCCINEA	32	3.1	96.9
MOLINIA LATERALIS	28	2.7	99.6
LEPTOCHEIRUS PLUMOLOSUS	4	0.4	100.0
TOTAL	1040		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
8	1.385	2.079

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.326	0.666	0.500

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
130.000	260.238	338.828

STATION RP-III
REPLICATE NUMBER 4

DECEMBER 1976

SPECIES NAME	NUMBER OF INDIVIDUALS PER SQ M	PERCENT FAUNA	CUMULATIVE PERCENT
PARAPRIONOSPIO PINNATA	305	41.6	41.6
STREBLOSPIO BENEDICTI	277	37.8	79.4
MACOMA PHENAX	56	7.6	87.0
NEREIS SUCCINEA	42	5.7	92.8
GLYCINDE SOLITARIA	37	5.0	97.8
PECTINARIA GOULDII	4	0.5	98.4
MACOMA BALTHICA	4	0.5	98.9
ETEONE HETEROPODA	4	0.5	99.5
MULINIA LATERALIS	4	0.5	100.0
TOTAL	733		

DIVERSITY INDICES

NUMBER OF SPECIES	SHANNON'S H	MAXIMUM DIVERSITY HMAX
9	1.357	2.197

SIMPSON'S D	PIELOU EVENNESS	HILL'S EVENNESS
0.328	0.618	0.432

ARITHMETIC MEAN	GEOMETRIC MEAN	HARMONIC MEAN
81.444	188.623	240.227