Part Two.

BIOLOGICAL INFORMATION SUBMITTED TO MESA ON JULY 3, 1975, FOR USE IN A REPORT TO EPA ON ALTERNATIVE DUMP SITES IN NYB.

(As revised July 21, 1975.)

Middle Atlantic Coastal Fisheries Center
Informal Report No. 72-A
July 21, 1975

Table II. Machine listed benthic macrofauna data collected at the standard MESA grid stations (see Fig. 3) during the first seasonal cruise, August 1973.

STATION 1 DATE 03/08/73 DEPTH (M) 17 GRAB 1

LAT 4034. N LONG 7348. W NO. SPECIES 10 NO. INDIVS 35

DIVERSITY 1.9715 EQUITABILITY 0.8562

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	4
NEPHTYS BUCERA	3
HEMIPODUS ARMATUS	4
PHASCOLOSOMA SP.	1
NEOMYSIS AMERICANA	2
TELLINA AGILIS	10
PROTODRILUS SYMBIOTICUS	8
CANCER IRRORATUS	1
HIPPOMEDON SERRATUS	1
CRANGON SEPTEMSPINOSA	1

STATION 2 DATE 03/08/73 DEPTH (M) 20 GRAB 1

LAT 4034. N LONG 7346. W NO. SPECIES 10 NO. INDIVS 33

DIVERSITY 1.9122 EQUITABILITY 0.8305

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	1
AGLAOPHAMUS SP.	2
NEPHTYS PICTA	7
SPIOPHANES BOMBYX	3
CANCER IRRORATUS	1
NEOMYSIS AMERICANA	2
STHENELAIS LIMICOLA	2
GLYCERA SP.	2
AMPHARETE ARCTICA	1
TELLINA AGILIS	12

****

STATION 2 DATE 03/08/73 DEPTH (M) 20 GRAB 2

LAT 4034. N LONG 7346. W NO. SPECIES 13 NO. INDIVS 54

DIVERSITY 2.2756 EQUITABILITY 0.8872

SPECIES LISTING	TOTAL
CANCER IRRORATUS	5
SPISULA SOLIDISSIMA	9
CRANGON SEPTEMSPINOSA	6
NEOMYSIS AMERICANA	7
GLYCERA DIBRANCHIATA	1
ASABELLIDES OCULATA	2
NEPHTYS BUCERA	1
NEPHTYS PICTA	4
STHENELAIS LIMICOLA	1
SCOLOPLOS ROBUSTUS	1
TELLINA AGILIS	9
MAGELONA ROSEA	1
PHASCOLOSOMA SP.	7

STATION 2 DATE 03/08/73 DEPTH (M) 20 GRAB 3

LAT 4034. N LONG 7346. W NO. SPECIES 9 NO. INDIVS 28

DIVERSITY 2.0258 EQUITABILITY 0.9220

SPECIES LISTING	TOTAL
STHENELAIS LIMICOLA	2
NEPHTYS PICTA	3
TELLINA AGILIS	7
SPIOPHANES BOMBYX	5
SPISULA SOLIDISSIMA	4
CANCER IRRORATUS	2
NUCULA PROXIMA	1
ASABELLIDES OCULATA	1
NEOMYSIS AMERICANA	3

****

STATION 2 DATE 03/08/73 DEPTH (M) 20 GRAB 4

LAT 4034. N LONG 7346. W NO. SPECIES 12 NO. INDIVS 112

DIVERSITY 1.6959 EQUITABILITY 0.6825

SPECIES LISTING	TOTAL
NEPHTYS PICTA	1
TELLINA AGILIS	5
SPISULA SOLIDISSIMA	2
CANCER IRRORATUS	2
RHYNCHOCOELA	1
UNCIOLA IRRORATA	2
PROTODRILUS SYMBIOTICUS	32
NEPHTYS BUCERA	4
HEMIPODUS ARMATUS	37
ARICIDEA JEFFREYSII	1
THARYX ACUTUS	24
NINOE NIGRIPES	1

STATION 3 DATE 03/08/73 DEPTH (M) 21 GRAB 1

LAT 4034. N LONG 7344. W NO. SPECIES 7 NO. INDIVS 34

DIVERSITY 1.5399 EQUITABILITY 0.7914

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	5
TELLINA AGILIS	11
PHASCOLOSOMA SP.	1
SCOLOPLOS ROBUSTUS	1
PROTOHAUSTORIUS DEICHMANNAE	12
TRICHOPHOXUS EPISTOMUS	1
NEPHTYS PICTA	3

****

STATION 4 DATE 03/08/73 DEPTH (M) 19 GRAB 1

LAT 4034. N LONG 7342. W NO. SPECIES 17 NO. INDIVS 115

DIVERSITY 2.0021 EQUITABILITY 0.7067

SPECIES LISTING	TOTAL
MEDIOMASTUS AMBISETAE	1
PHASCOLOSOMA SP.	3
MYTILUS EDULIS	15
PHASCOLOSOMA SP.	5
ASABELLIDES OCULATA	6
SPIOPHANES BOMBYX	3
PHASCOLOSOMA SP.	1
CRANGON SEPTEMSPINOSA	2
NEOMYSIS AMERICANA	3
LEPTOCUMA MINOR	1
LUNATIA HEROS	1
TELLINA AGILIS	48
DRILONEREIS LONGA	6
SCOLOPLOS ROBUSTUS	1
THARYX ACUTUS	17
NOTOMASTUS LATERICIUS	1
POLYDORA LIGNI	1

STATION 4 DATE 03/08/73 DEPTH (M) 19 GRAB 2

LAT 4034. N LONG 7342. W NO. SPECIES 13 NO. INDIVS 107

DIVERSITY 1.4249 EQUITABILITY 0.5555

SPECIES LISTING	TOTAL
THARYX ACUTUS	56
CRANGON SEPTEMSPINOSA	1
PROTODRILUS SYMBIOTICUS	3
HEMIPODUS ARMATUS	29
UNCIOLA IRRORATA	1
SPIOPHANES BOMBYX	1
NEPHTYS BUCERA	2
NEOMYSIS AMERICANA	1
PARAPIONOSYLLIS LONGOCIRRATA	1
DRILONEREIS LONGA	1
PARAONIS GRACILIS	9
OPHELIA DENTICULATA	1
CHIRODOTEA TUFTSI	1

****

STATION 4 DATE 03/08/73 DEPTH (M) 19 GRAB 3

LAT 4034. N LONG 7342. W NO. SPECIES 14 NO. INDIVS 95

DIVERSITY 1.6988 EQUITABILITY 0.6437

SPECIES LISTING	TOTAL
THARYX ACUTUS	9
ORBINIA ORNATA	1
EDOTEA TRILOBA	1
CRANGON SEPTEMSPINOSA	1
UNCIOLA IRRORATA	1
PROTODRILUS SYMBIOTICUS	3
NEOMYSIS AMERICANA	8
RHYNCHOCOELA	1
TELLINA AGILIS	38
GLYCERA AMERICANA	1
ASABELLIDES OCULATA	1
SPIOPHANES BOMBYX	28
NEPHTYS BUCERA	1
SPISULA SOLIDISSIMA	1

STATION 4 DATE 03/08/73 DEPTH (M) 19 GRAB 4

LAT 4034. N LONG 7342. W NO. SPECIES 10 NO. INDIVS 47

DIVERSITY 1.3731 EQUITABILITY 0.5963

SPECIES LISTING	TOTAL
THARYX ACUTUS	30
SPIO FILICORNIS	1
HEMIPODUS ARMATUS	4
CANCER IRRORATUS	1
NEOMYSIS AMERICANA	1
SPISULA SOLIDISSIMA	1
OVALIPES OCELLATUS	1
PARAONIS LYRA	1
ORILONEREIS LONGA	3
TELLINA AGILIS	4

****

STATION 5 DATE 03/08/73 DEPTH (M) 17 GRAB 1

LAT 4034. N LONG 7340. W NO. SPECIES 13 NO. INDIVS 675

DIVERSITY 0.7653 EQUITABILITY 0.2990

SPECIES LISTING	TOTAL
RHYNCHOCOELA	2
LUNATIA HEROS	1
ENSIS DIRECTUS	2
PARAONIS LYRA	2
ORILONEREIS LONGA	14
TELLINA AGILIS	5
AMPELISCA AGASSIZI	1
SPIO FILICORNIS	8
PROTODRILUS SYMBIOTICUS	82
CRANGON SEPTEMSPINOSA	1
THARYX ACUTUS	543
PRIONOSPIO MALMGRENI	1
HEMIPODUS ARMATUS	13

STATION 6 DATE 03/08/73 DEPTH (M) 19 GRAB 1

LAT 4034. N LONG 7338. W NO. SPECIES 13 NO. INDIVS 296

DIVERSITY 1.3911 EQUITABILITY 0.5423

SPECIES LISTING	TOTAL
PARAONIS LYRA	26
SIGALION ARENICOLA	1
GLYCERA DIBRANCHIATA	1
ARICIDEA JEFFREYSII	1
THARYX ACUTUS	57
NEOMYSIS AMERICANA	5
PARAPIONOSYLLIS LONGOCIRRATA	1
PROTODRILUS SYMBIOTICUS	41
HEMIPODUS ARMATUS	157
TELLINA AGILIS	1
PHASCOLOSOMA SP.	1
NEPHTYS BUCERA	3
ASTARTE CASTANEA	1

****

STATION 6 DATE 03/08/73 DEPTH (M) 19 GRAB 2

LAT 4034. N LONG 7338. W NO. SPECIES 16 NO. INDIVS 110

DIVERSITY 1.9412 EQUITABILITY 0.7001

SPECIES LISTING	TOTAL
UNCIOLA IRRORATA	1
THARYX ACUTUS	35
ARICIDEA JEFFREYSII	1
PROTODRILUS SYMBIOTICUS	7
PAGURUS LONGICARPUS	2
PHASCOLOSOMA SP.	3
CANCER IRRORATUS	2
NEOMYSIS AMERICANA	6
EXOGONE HEBES	1
POLYDORA SP.	1
DRILONEREIS LONGA	1
PARAONIS LYRA	21
STREBLOSPIO BENEDICTI	1
HEMIPODUS ARMATUS	26
NEMATODA	1
PARANAITIS KOSTERIENSIS	1

STATION 6 DATE 03/08/73 DEPTH (M) 19 GRAB 3

LAT 4034. N LONG 7338. W NO. SPECIES 13 NO. INDIVS 117

DIVERSITY 1.2854 EQUITABILITY 0.5015

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	2
SCOLELEPIS SQUAMATA	1
SPISULA SOLIDISSIMA	3
NEPHTYS BUCERA	1
OVALIPES OCELLATUS	1
TELLINA AGILIS	70
PHASCOLOSOMA SP.	2
TRICHOPHOXUS EPISTOMUS	1
PARAHAUSTORIUS ATTENUATUS	29
NEOMYSIS AMERICANA	4
PISIONE REMOTA	1
CRANGON SEPTEMSPINOSA	1
LEPTOCUMA MINOR	1

****

STATION 6 DATE 03/08/73 DEPTH (M) 19 GRAB 4

LAT 4034. N LONG 7338. W NO. SPECIES 9 NO. INDIVS 708

DIVERSITY 1.0432 EQUITABILITY 0.4771

SPECIES LISTING	TOTAL
PROTODRILUS SYMBIOTICUS	63
PHASCOLOSOMA SP.	1
NASSARIUS TRIVITTATUS	1
CANCER IRRORATUS	4
OLIGOCHAETA	15
THARYX ACUTUS	485
DRILONEREIS LONGA	2
HEMIPODUS ARMATUS	102
PARAONIS LYRA	35

STATION 7 DATE 03/08/73 DEPTH (M) 29 GRAB 1

LAT 4031. N LONG 7338. W NO. SPECIES 17 NO. INDIVS 1026

DIVERSITY 1.5396 EQUITABILITY 0.5611

SPECIES LISTING	TOTAL
ASTARTE CASTANEA	8
COPEPODA	57
CANCER IRRORATUS	1
LEPTOCHELIA SAVIGNYI	7
UNCIOLA IRRORATA	16
PHOLOE MINUTA	1
POLYDORA CAULLERI	197
THARYX ACUTUS	528
PHASCOLOSOMA SP.	1
PISIONE REMOTA	1
HARMOTHOE EXTENUATA	10
HEMIPODUS ARMATUS	85
LUMBRINERIS FRAGILIS	5
PARAONIS FULGENS	8
ARICIDEA JEFFREYSII	28
PARAPIONOSYLLIS LONGOCIRRATA	72
RHYNCHOCOELA	1

****

STATION 8 DATE 03/08/73 DEPTH (M) 32 GRAB 1

LAT 4031. N LONG 7340. W NO. SPECIES 9 NO. INDIVS 87

DIVERSITY 0.9708 EQUITABILITY 0.4418

SPECIES LISTING	TOTAL
TELLINA AGILIS	6
CRANGON SEPTEMSPINOSA	1
NEPHTYS BUCERA	4
PROTODRILUS SYMBIOTICUS	2
LEPTOCUMA MINUR	1
ASTARTE CASTANEA	67
AMPHARETE ARCTICA	2
LUMBRINERIS FRAGILIS	1
CANCER IRRORATUS	3

STATION 8 DATE 03/08/73 DEPTH (M) 32 GRAB 2

LAT 4031. N LONG 7340. W NO. SPECIES 9 NO. INDIVS 37

DIVERSITY 1.7124 EQUITABILITY 0.7793

SPECIES LISTING	TOTAL
SIGALION ARENICOLA	1
ASTARTE CASTANEA	9
TELLINA AGILIS	14
LUMBRINERIS FRAGILIS	1
ORBINIA SWANI	1
NEPHTYS BUCERA	2
AGLAOPHAMUS SP.	1
CANCER IRRORATUS	2
PSEUDUNCIOLA OBLIQUUA	6

****

STATION 8 DATE 03/08/73 DEPTH (M) 32 GRAB 3

LAT 4031. N LONG 7340. W NO. SPECIES 12 NO. INDIVS 51

DIVERSITY 1.5723 EQUITABILITY 0.6329

SPECIES LISTING	TOTAL
STHENELAIS LIMICOLA	1
LUMBRINERIS ACUTA	4
ASTARTE CASTANEA	30
NATICA PUSILLA	1
TELLINA AGILIS	5
AMPHARETE ARCTICA	1
ASABELLIDES OCULATA	1
LEPTOCUMA MINOR	1
CANCER IRRORATUS	2
VENERICARDIA BOREALIS	1
NEPHTYS BUCERA	3
LUMBRINERIS FRAGILIS	1

STATION 8 DATE 03/08/73 DEPTH (M) 32 GRAB 4

LAT 4031. N LONG 7340. W NO. SPECIES 10 NO. INDIVS 34

DIVERSITY 1.9202 EQUITABILITY 0.8339

SPECIES LISTING	TOTAL
TRICHOPHOXUS EPISTOMUS	1
AGLAOPHAMUS SP.	1
SCOLELEPIS SQUAMATA	1
CANCER IRRORATUS	2
PROTODRILUS SYMBIOTICUS	1
HEMIPODUS ARMATUS	5
ASTARTE CASTANEA	11
POLYCIRRUS MEDUSA	1
PSEUDONCIOLA OBLIQUUA	5
TELLINA AGILIS	6

****

STATION 9 DATE 03/08/73 DEPTH (M) 34 GRAB 1

LAT 4031. N LONG 7342. W NO. SPECIES 17 NO. INDIVS 207

DIVERSITY 1.2931 EQUITABILITY 0.4582

SPECIES LISTING	TOTAL
NUCULA PROXIMA	1
NEPHTYS PICTA	6
CANCER IRRORATUS	5
NEOMYSIS AMERICANA	9
DRILONEREIS LONGA	1
THARYX ACUTUS	12
SPIO FILICORNIS	1
STHENELAIS LIMICOLA	5
PHASCOLOSOMA SP.	2
LUMBRINERIS FRAGILIS	2
SPIOPHANES BOMBYX	148
GLYCERA DIBRANCHIATA	2
TELLINA AGILIS	5
ASABELLIDES OCULATA	4
CRANGON SEPTEMSPINOSA	2
TRICHOPHOXUS EPISTOMUS	1
PHASCOLOSOMA SP.	1

STATION 10 DATE 03/08/73 DEPTH (M) 37 GRAB 1

LAT 4031. N LONG 7344. W NO. SPECIES 17 NO. INDIVS 62

DIVERSITY 2.4447 EQUITABILITY 0.8629

SPECIES LISTING	TOTAL
RHYNCHOCOELA	2
NEPHTYS INCISA	3
PITAR MORRHUANA	1
SPISULA SOLIDISSIMA	1
NUCULA PROXIMA	2
TELLINA AGILIS	13
ENSIS DIRECTUS	2
PRIONOSPIO MALMGRENI	1
LUMBRINERIS FRAGILIS	1
GLYCERA DIBRANCHIATA	2
GLYCERA SP.	3
STHENELAIS LIMICOLA	1
THARYX ACUTUS	8
PROTODRILUS SYMBIOTICUS	10
EDOTEA TRILOBA	1
CANCER IRRORATUS	7
CRANGON SEPTEMSPINOSA	4

STATION 10 DATE 03/08/73 DEPTH (M) 37 GRAB 2

LAT 4031. N LONG 7344. W NO. SPECIES 24 NO. INDIVS 86

DIVERSITY 2.7514 EQUITABILITY 0.8657

SPECIES LISTING	TOTAL
HETEROMYSIS FORMOSA	1
PROTODRILUS SYMBIOTICUS	1
CANCER IRRORATUS	12
ENSIS DIRECTUS	2
PHERUSA AFFINIS	1
TELLINA AGILIS	6
PHASCOLOSOMA SP.	1
SPISULA SOLIDISSIMA	1
PAGURUS LONGICARPUS	1
NUCULA PROXIMA	7
GLYCERA DIBRANCHIATA	5
PITAR MORRHUANA	2
STHENELAIS LIMICOLA	2
LUMBRINERIS FRAGILIS	1
NEPHTYS PICTA	4
ASABELLIDES OCULATA	2
DRILONEREIS LONGA	1
THARYX ACUTUS	15
SCOLELEPIS SQUAMATA	1
AGLAOPHAMUS CIRCINATA	1
GLYCERA SP.	5
SPIOPHANES BOMBYX	9
SPIO FILICORNIS	2
PRIONOSPIO MALMGRENI	3

STATION 10 DATE 03/08/73 DEPTH (M) 37 GRAB 3

LAT 4031. N LONG 7344. W NO. SPECIES 21 NO. INDIVS 67

DIVERSITY 2.6548 EQUITABILITY 0.8753

SPECIES LISTING	TOTAL
PHERUSA AFFINIS	1
ENSIS DIRECTUS	2
PITAR MORRHUANA	2
NUCULA PROXIMA	15
SPIOPHANES BOMBYX	2
TELLINA AGILIS	6
LUMBRINERIS FRAGILIS	3
ORILONEREIS LONGA	1
NINOE NIGRIPES	8
YOLDIA LIMATULA	3
GLYCERA DIBRANCHIATA	1
CANCER IRRORATUS	5
CRANGON SEPTEMSPINOSA	1
NASSARIUS TRIVITTATUS	1
AMPHARETE ARCTICA	1
AMPELISCA VERRILLI	5
PHASCOLOSOMA SP.	1
THARYX ACUTUS	4
STHENELAIS LIMICOLA	2
SCOLOPLOS ROBUSTUS	1
ASABELLIDES OCULATA	2

STATION 10 DATE 03/08/73 DEPTH (M) 37 GRAB 4

LAT 4031. N LONG 7344. W NO. SPECIES 27 NO. INDIVS 94

DIVERSITY 2.6720 EQUITABILITY 0.8714

SPECIES LISTING	TOTAL
THARYX ACUTUS	11
MEDIOMASTUS AMBISETAE	1
ARICIDEA JEFFREYSII	1
PHASCOLOSOMA SP.	3
CANCER IRRORATUS	10
STHENELAIS LIMICOLA	1
AMPHARETE ARCTICA	1
SPIOPHANES BOMBYX	5
PHOTIS SP.	1
CRANGON SEPTEMSPINOSA	1
GLYCERA SP.	2
PRIONOSPIO MALMGRENI	1
DRILONEREIS LONGA	6
NINOE NIGRIPES	10
LUMBRINERIS TENUIS	1
GLYCERA DIBRANCHIATA	1
PHERUSA AFFINIS	4
AGLAOPHAMUS CIRCINATA	1
NEPHTYS PICTA	1
EDOTEA TRILOBA	2
AMPELISCA VERRILLI	5
TELLINA AGILIS	7
NASSARIUS TRIVITTATUS	1
MERCENARIA MERCENARIA	1
ENSIS DIRECTUS	2
NUCULA PROXIMA	12
YOLDIA LIMATULA	2

STATION 11 DATE 03/08/73 DEPTH (M) 35 GRAB 1

LAT 4031. N LONG 7346. W NO. SPECIES 15 NO. INDIVS 60

DIVERSITY 2.1787 EQUITABILITY 0.8045

SPECIES LISTING	TOTAL
TELLINA AGILIS	3
NEOMYSIS AMERICANA	21
CANCER BOREALIS	1
PHASCOLOSOMA SP.	1
ENSIS DIRECTUS	1
NUCULA PROXIMA	2
THARYX ACUTUS	2
PROTODRILUS SYMBIOTICUS	4
CRANGON SEPTEMSPINOSA	2
NEPHTYS INCISA	5
LUMBRINERIS FRAGILIS	1
PRIONOSPIO MALMGRENI	2
STHENELAIS LIMICOLA	1
GLYCERA DIBRANCHIATA	10
GLYCERA SP.	4

STATION 12 DATE 03/08/73 DEPTH (M) 29 GRAB 1

LAT 4031. N LONG 7348. W NO. SPECIES 27 NO. INDIVS 363

DIVERSITY 1.5370 EQUITABILITY 0.4664

SPECIES LISTING	TOTAL
PITAR MORRHUANA	2
SPISULA SOLIDISSIMA	3
ARICIDEA JEFFREYSII	4
CRANGON SEPTEMSPINOSA	3
GLYCERA SP.	7
TRAVISIA CARNEA	1
NUCULA PROXIMA	8
GLYCERA DIBRANCHIATA	9
TELLINA AGILIS	4
LUNATIA HEROS	1
ASABELLIDES OCULATA	4
RHYNCHOCOELA	2
NEPHTYS BUCERA	6
PAGURUS LONGICARPUS	1
NASSARIUS TRIVITTATUS	2
UNCIOLA IRRORATA	2
AMPELISCA VERRILLI	46
POLYDORA LIGNI	4
LUMBRINERIS FRAGILIS	2
MEDIOMASTUS AMBISETAE	3
OLIGOCHAETA	3
PROTODRILUS SYMBIOTICUS	3
SCOLOPLOS ROBUSTUS	1
PHYLLODOCE ARENAE	1
PRIONOSPIO MALMGRENI	1
SPIOPHANES BOMBYX	237
THARYX ACUTUS	3

STATION 12 DATE 03/08/73 DEPTH (M) 29 GRAB 2

LAT 4031. N LONG 7348. W NO. SPECIES 16 NO. INDIVS 289

DIVERSITY 1.1514 EQUITABILITY 0.4153

SPECIES LISTING	TOTAL
AMPELISCA VERRILLI	47
CRANGON SEPTEMSPINOSA	9
ASABELLIDES OCULATA	3
TELLINA AGILIS	1
PITAR MORRHUANA	1
SPISULA SOLIDISSIMA	6
SCOLOPLOS ROBUSTUS	1
GLYCERA DIBRANCHIATA	2
NUCULA PROXIMA	2
DRILONEREIS LONGA	2
AGLAOPHAMUS CIRCINATA	1
NEPHTYS BUCERA	3
THARYX ACUTUS	1
SPIOPHANES BOMBYX	201
CANCER IRRORATUS	1
GLYCERA DIBRANCHIATA	8

****

STATION 12 DATE 03/08/73 DEPTH (M) 29 GRAB 3

LAT 4031. N LONG 7348. W NO. SPECIES 18 NO. INDIVS 71

DIVERSITY 2.5591 EQUITABILITY 0.8854

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	7
SCOLOPLOS ROBUSTUS	2
STHENELAIS LIMICOLA	1
GLYCERA CAPITATA	8
NUCULA PROXIMA	10
CANCER IRRORATUS	2
TELLINA AGILIS	7
PITAR MORRHUANA	1
ASABELLIDES OCULATA	1
ARICIDEA JEFFREYSII	1
NEPHTYS BUCERA	8
THARYX ACUTUS	2
ARICIDEA QUADRILOBATA	3
LUMBRINERIS FRAGILIS	1
AMPELISCA MACROCEPHALA	10
AGLAOPHAMUS CIRCINATA	1
GLYCERA DIBRANCHIATA	4
NEOMYSIS AMERICANA	2

STATION 12 DATE 03/08/73 DEPTH (M) 29 GRAB 4

LAT 4031. N LONG 7348. W NO. SPECIES 32 NO. INDIVS 192

DIVERSITY 2.0541 EQUITABILITY 0.5927

SPECIES LISTING	TOTAL
OLIGOCHAETA	1
STHENELAIS LIMICOLA	2
POLYDORA SP.	1
THARYX ACUTUS	1
PROTODRILUS SYMBIOTICUS	2
NEREIS GRAYI	1
PITAR MORRHUANA	5
TELLINA AGILIS	4
AGLAOPHAMUS CIRCINATA	1
NEMATODA	2
LUMBRINERIS FRAGILIS	1
DRILONEREIS LONGA	1
NINOE NIGRIPES	1
NASSARIUS TRIVITTATUS	1
UNCIOLA IRRORATA	1
YOLDIA LIMATULA	1
ENSIS DIRECTUS	2
NUCULA PROXIMA	5
PHERUSA AFFINIS	2
TRICHOPHOXUS EPISTOMUS	1
RHYNCHOCOELA	1
CANCER IRRORATUS	4
AMPELISCA MACROCEPHALA	5
ARICIDEA JEFFREYSII	6
NEPHTYS PICTA	1
GLYCERA DIBRANCHIATA	5
GLYCERA SP.	1
SPIOPHANES BOMBYX	102
POLYDORA LIGNI	2
ASABELLIDES OCULATA	24
SCOLOPLOS ROBUSTUS	3
CRANGON SEPTEMSPINOSA	2

STATION 13 DATE 03/08/73 DEPTH (M) 24 GRAB 1

LAT 4031. N LONG 7350. W NO. SPECIES 15 NO. INDIVS 154

DIVERSITY 1.4846 EQUITABILITY 0.5482

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	1
GLYCERA SP.	4
PRIONOSPIO MALMGRENI	1
SPIOPHANES BOMBYX	95
NEPHTYS PICTA	12
ASABELLIDES OCULATA	1
ARICIDEA JEFFREYSII	10
NEOMYSIS AMERICANA	11
TELLINA AGILIS	11
CANCER IRRORATUS	1
CRANGON SEPTEMSPINOSA	1
NASSARIUS TRIVITTATUS	3
THARYX ACUTUS	1
PHASCOLOSOMA SP.	1
TRAVISIA CARNEA	1

****

STATION 14 DATE 03/08/73 DEPTH (M) 20 GRAB 1

LAT 4031. N LONG 7352. W NO. SPECIES 18 NO. INDIVS 162

DIVERSITY 1.5968 EQUITABILITY 0.5524

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	12
ARICIDEA QUADRILOBATA	1
SPIOPHANES BOMBYX	18
MAGELONA ROSEA	3
PHASCOLOSOMA SP.	1
PROTODRILUS SYMBIOTICUS	1
GLYCERA DIBRANCHIATA	2
LEPTOCUMA MINOR	1
THARYX ACUTUS	2
CHIRODOTEA TUFTSI	1
RHYNCHOCOELA	2
TRICHOPHOXUS EPISTOMUS	10
TELLINA AGILIS	7
SPISULA SOLIDISSIMA	1
NEOMYSIS AMERICANA	1
ASABELLIDES OCULATA	2
TRAVISIA CARNEA	1
PROTOHAUSTORIUS DEICHMANNAE	96

STATION 14 DATE 03/08/73 DEPTH (M) 20 GRAB 2

LAT 4031. N LONG 7352. W NO. SPECIES 15 NO. INDIVS 118

DIVERSITY 1.7816 EQUITABILITY 0.6579

SPECIES LISTING	TOTAL
ENSIS DIRECTUS	1
SPISULA SOLIDISSIMA	1
ASABELLIDES OCULATA	1
NEPHTYS BUCERA	13
CRANGON SEPTEMSPINOSA	1
PHASCOLOSOMA SP.	1
NEOMYSIS AMERICANA	1
TRICHOPHOXUS EPISTOMUS	12
SCOLOPLOS ROBUSTUS	1
SPIOPHANES BOMBYX	16
ARICIDEA JEFFREYSII	2
TELLINA AGILIS	6
PROTOHAUSTORIUS WIGLEYI	55
PROTODRILUS SYMBIOTICUS	3
MAGELONA ROSEA	2

****

STATION 14 DATE 03/08/73 DEPTH (M) 20 GRAB 3

LAT 4031. N LONG 7352. W NO. SPECIES 13 NO. INDIVS 118

DIVERSITY 1.4124 EQUITABILITY 0.5507

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	8
PHASCOLOSOMA SP.	1
MAGELONA ROSEA	1
TELLINA AGILIS	7
NEPHTYS PICTA	2
RHYNCHOCOELA	1
ASABELLIDES OCULATA	3
SPIOPHANES BOMBYX	18
ARICIDEA WASSI	2
PROTOHAUSTORIUS DEICHMANNAE	72
EDOTEA TRILOBA	1
CRANGON SEPTEMSPINOSA	1
PROTODRILUS SYMBIOTICUS	1

STATION 14 DATE 03/08/73 DEPTH (M) 20 GRAB 4

LAT 4031. N LONG 7352. W NO. SPECIES 17 NO. INDIVS 219

DIVERSITY 2.2602 EQUITABILITY 0.7978

SPECIES LISTING	TOTAL
PHOTIS SP.	26
PROTOHAUSTORIUS DEICHMANNAE	66
CANCER IRRORATUS	1
RHYNCHOCOELA	2
PHASCOLOSOMA SP.	37
NEPHTYS PICTA	5
ARICIDEA JEFFREYSII	3
NEPHTYS BUCERA	12
THARYX ACUTUS	2
ASABELLIDES OCULATA	4
MAGELONA ROSEA	5
ORBINIA SWANI	4
PHASCOLOSOMA SP.	4
PROTODRILUS SYMBIOTICUS	9
SPIOPHANES BOMBYX	19
TRICHOPHOXUS EPISTOMUS	10
TELLINA AGILIS	10

****

STATION 15 DATE 03/08/73 DEPTH (M) 17 GRAB 1

LAT 4031. N LONG 7354. W NO. SPECIES 8 NO. INDIVS 20

DIVERSITY 1.8344 EQUITABILITY 0.8821

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
TELLINA AGILIS	4
SPIOPHANES BOMBYX	1
NEPHTYS PICTA	4
MAGELONA ROSEA	1
PROTOHAUSTORIUS DEICHMANNAE	2
CANCER IRRORATUS	1
SPISULA SOLIDISSIMA	6

STATION 16 DATE 03/08/73 DEPTH (M) 16 GRAB 1

LAT 4031. N LONG 7356. W NO. SPECIES 11 NO. INDIVS 83

DIVERSITY 1.6747 EQUITABILITY 0.6984

SPECIES LISTING	TOTAL
MAGELONA ROSEA	1
TRICHOPHOXUS EPISTOMUS	1
OVALIPES OCELLATUS	4
SPIOPHANES BOMBYX	1
PROTOHAUSTORIUS WIGLEYI	25
PARAHAUSTORIUS HOLMESI	6
PHASCOLOSOMA SP.	1
SPISULA SOLIDISSIMA	29
LUNATIA HERUS	1
TELLINA AGILIS	13
PHASCOLOSOMA SP.	1

****

STATION 16 DATE 03/08/73 DEPTH (M) 16 GRAB 2

LAT 4031. N LONG 7356. W NO. SPECIES 8 NO. INDIVS 24

DIVERSITY 1.7482 EQUITABILITY 0.8407

SPECIES LISTING	TOTAL
SCOLELEPIS SQUAMATA	1
OVALIPES OCELLATUS	1
NEPHTYS BUCERA	1
PARAHAUSTORIUS ATTENUATUS	4
TELLINA AGILIS	2
LEPTOCHELIA SAVIGNYI	1
PROTOHAUSTORIUS WIGLEYI	8
SPISULA SOLIDISSIMA	6

****

STATION 16 DATE 03/08/73 DEPTH (M) 16 GRAB 3

LAT 4031. N LONG 7356. W NO. SPECIES 6 NO. INDIVS 17

DIVERSITY 1.5435 EQUITABILITY 0.8642

SPECIES LISTING	TOTAL
SYNCHELIDIUM AMERICANUM	1
SPISULA SOLIDISSIMA	6
TELLINA AGILIS	4
SPIOPHANES BOMBYX	1
PARAHAUSTORIUS ATTENUATUS	1
PROTOHAUSTORIUS WIGLEYI	4

STATION 16 DATE 03/08/73 DEPTH (M) 16 GRAB 4

LAT 4031. N LONG 7356. W NO. SPECIES 13 NO. INDIVS 63

DIVERSITY 2.0996 EQUITABILITY 0.8186

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	6
PROTOHAUSTORIUS DEICHMANNAE	3
ACANTHOHAUSTORIUS MILLSI	7
TELLINA AGILIS	10
PHASCOLOSOMA SP.	2
PROTOHAUSTORIUS WIGLEYI	21
TRICHOPHOXUS EPISTOMUS	5
PARAPHOXUS SPINOSUS	1
CHIRODOTEA TUFTSI	1
LEPTOCHELIA SAVIGNYI	1
NEPHTYS BUCERA	3
MAGELONA ROSEA	2
OVALIPES OCELLATUS	1

****

STATION 17 DATE 03/08/73 DEPTH (M) 20 GRAB 1

LAT 4028. N LONG 7356. W NO. SPECIES 18 NO. INDIVS 218

DIVERSITY 1.3629 EQUITABILITY 0.4715

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
PHYLLODOCE ARENAE	1
SPIOPHANES BOMBYX	145
NEPHTYS PICTA	24
CLYMENELLA TORQUATA	1
PHERUSA AFFINIS	3
TELLINA AGILIS	8
GLYCERA DIBRANCHIATA	1
AGLAOPHAMUS CIRCINATA	1
SPISULA SOLIDISSIMA	14
NUCULA PROXIMA	2
CRANGON SEPTEMSPINOSA	1
TRICHOPHOXUS EPISTOMUS	2
EDOTEA TRILOBA	1
NEOMYSIS AMERICANA	7
CANCER IRRORATUS	1
ENSIS DIRECTUS	4
NASSARIUS TRIVITTATUS	1

STATION 13 DATE 03/08/73 DEPTH (M) 29 GRAB 1

LAT 4028. N LONG 7354. W NO. SPECIES 21 NO. INDIVS 97

DIVERSITY 2.2779 EQUITABILITY 0.7482

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
PHASCOLOSOMA SP.	1
THARYX ACUTUS	1
TRAVISIA CARNEA	1
CANCER IRRORATUS	3
SPIOPHANES BOMBYX	24
SCOLOPLOS ROBUSTUS	1
ASABELLIDES OCULATA	1
NEPHTYS BUCERA	9
RHYNCHOCOELA	1
GLYCERA DIBRANCHIATA	1
NUCULA PROXIMA	1
SPISULA SOLIDISSIMA	1
PROTOHAUSTORIUS DEICHMANNAE	17
EDOTEA TRILOBA	1
CRANGON SEPTEMSPINOSA	1
TRICHOPHOXUS EPISTOMUS	14
OSTRACODA	1
NASSARIUS TRIVITTATUS	1
TELLINA AGILIS	14
ENSIS DIRECTUS	2

STATION 18 DATE 03/08/73 DEPTH (M) 29 GRAB 2

LAT 4028. N LONG 7354. W NO. SPECIES 24 NO. INDIVS 203

DIVERSITY 2.3769 EQUITABILITY 0.7479

SPECIES LISTING	TOTAL
CANCER IRRORATUS	30
PROTODRILUS SYMBIOTICUS	1
SPIO FILICORNIS	1
SPIOPHANES BOMBYX	47
CIROPHIUM BONELLI	1
CRANGON SEPTEMSPINOSA	5
MAGELONA ROSEA	1
NEPHTYS BUCERA	15
RHYNCHOCOELA	2
NEPHTYS PICTA	1
CERIANTHEOPSIS AMERICANA	1
PHASCOLOSOMA SP.	2
TRICHOPHOXUS EPISTOMUS	9
TELLINA AGILIS	38
ENSIS DIRECTUS	1
NUCULA PROXIMA	1
PROTOHAUSTORIUS WIGLEYI	5
THARYX ACUTUS	14
ARICIDEA JEFFREYSII	8
POLYDORA LIGNI	15
PRIONOSPIO MALMGRENI	1
GLYCERA DIBRANCHIATA	1
PHASCOLOSOMA SP.	2
GLYCERA CAPITATA	1

STATION 15 DATE 03/08/73 DEPTH (M) 29 GRAB 3

LAT 4023. N LONG 7354. W NO. SPECIES 20 NO. INDIVS 226

DIVERSITY 2.1499 EQUITABILITY 0.7176

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	36
ARICIDEA JEFFREYSII	3
PSEUDUNCIOLA OBLIQUJA	76
TRICHOPHOXUS EPISTOMUS	11
POLYDORA LIGNI	1
NEPHTYS PICTA	3
THARYX ACUTUS	2
RHYNCHOCOELA	1
SIGALION ARENICOLA	1
ACANTHOHAUSTORIUS MILLSI	3
TELLINA AGILIS	39
PHASCOLOSOMA SP.	5
PROTOHAUSTORIUS WIGLEYI	10
EDOTEA TRILOBA	4
CRANGON SEPTEMSPINOSA	13
CERIANTHEOPSIS AMERICANA	2
CANCER IRRORATUS	11
LUMBRINERIS FRAGILIS	2
NEPHTYS BUCERA	2
STHENELAIS LIMICOLA	1

STATION 19 DATE 04/08/73 DEPTH (M) 34 GRAB 1

LAT 4028. N LONG 7352. W NO. SPECIES 23 NO. INDIVS 348

DIVERSITY 1.2914 EQUITABILITY 0.4119

SPECIES LISTING	TOTAL
NINOE NIGRIPES	1
TELLINA AGILIS	3
NEPHTYS BUCERA	3
YOLDIA LIMATULA	3
SPIOPHANES BOMBYX	238
CANCER IRRORATUS	4
GLYCERA DIBRANCHIATA	6
LUMBRINERIS TENUIS	2
PHYLLODOCE ARENAE	4
NEOMYSIS AMERICANA	1
THARYX ACUTUS	8
CERIANTHEOPSIS AMERICANA	1
RHYNCHOCOELA	1
STHENELAIS LIMICOLA	3
SPISULA SOLIDISSIMA	1
BIVALVIA	1
LUNATIA HEROS	1
NUCULA PROXIMA	54
CRANGON SEPTEMSPINOSA	4
TRICHOPHOXUS EPISTOMUS	1
PITAR MORRHUANA	6
PSEUDUNCIOLA OBLIQUUA	1
UNCIOLA IRRORATA	1

STATION 20 DATE 04/08/73 DEPTH (M) 40 GRAB 1

LAT 4028. N LONG 7350. W NO. SPECIES 30 NO. INDIVS 472

DIVERSITY 1.9084 EQUITABILITY 0.5611

SPECIES LISTING	TOTAL
AGLAOPHAMUS SP.	1
LUMBRINERIS FRAGILIS	17
PITAR MORRHUANA	4
POTAMILLA RENIFORMIS	1
CRANGON SEPTEMSPINOSA	5
SPIOPHANES BOMBYX	225
ARICIDEA JEFFREYSII	1
NEPHTYS INCISA	3
GLYCERA DIBRANCHIATA	8
GLYCERA SP.	1
CERIANTHEOPSIS AMERICANA	4
RHYNCHOCOELA	1
AMPHARETE ARCTICA	1
DRILONEREIS LONGA	5
PHASCOLOSOMA SP.	10
PHERUSA AFFINIS	9
POLYDORA LIGNI	2
LUMBRINERIS TENUIS	5
NINOE NIGRIPES	25
ASABELLIDES OCULATA	1
UNCIOLA IRRORATA	1
CANCER IRRORATUS	4
STHENELAIS LIMICOLA	1
SPIO FILICORNIS	6
PHASCOLOSOMA SP.	2
PRIONOSPIO MALMGRENI	101
TELLINA AGILIS	2
NUCULA PROXIMA	23
CERASTODERMA PINNULATUM	2
NICOLEA VENUSTULA	1

STATION 20 DATE 04/08/73 DEPTH (M) 40 GRAB 2

LAT 4028. N LONG 7350. W NO. SPECIES 42 NO. INDIVS 619

DIVERSITY 2.2490 EQUITABILITY 0.6017

SPECIES LISTING	TOTAL
DRILONEREIS LONGA	3
SPIOPHANES BOMBYX	152
PHASCOLOSOMA SP.	1
TELLINA AGILIS	7
LUMBRINERIS TENUIS	20
PHASCOLOSOMA SP.	4
PITAR MORRHUANA	2
THARYX ACUTUS	12
PAGURUS LONGICARPUS	2
AMPHARETE ARCTICA	2
SPIO FILICORNIS	10
PHOXOCEPHALUS HOLBOLLI	1
POLYDORA LIGNI	2
UNCIOLA IRRORATA	1
ARICIDEA JEFFREYSII	3
CERASTODERMA PINNULATUM	3
NEREIS GRAYI	1
NASSARIUS TRIVITTATUS	2
PHASCOLOSOMA SP.	2
NUCULA PROXIMA	129
OSTRACODA	3
CRANGON SEPTEMSPINOSA	4
CANCER IRRORATUS	9
POTAMILLA NEGLECTA	1
PHASCOLOSOMA SP.	6
PHASCOLOSOMA SP.	1
PROTODRILUS SYMBIOTICUS	1
PRIONOSPIO MALMGRENI	169
GLYCERA SP.	3
HARMOTHOE EXTENUATA	1
POLYCIRRUS SP.	1
NINOE NIGRIPES	11
SCOLELEPIS SQUAMATA	1
SCALIBREGMA INFLATUM	1
RHYNCHOCOELA	1
PHYLLODOCE ARENAE	3
AGLAOPHAMUS CIRCINATA	1
PHERUSA AFFINIS	9
GLYCERA DIBRANCHIATA	5
CERIANTHEOPSIS AMERICANA	4
ETEONE LONGA	2
MEDIOMASTUS AMBISETAE	23

STATION 20 DATE 04/08/73 DEPTH (M) 40 GRAB 3

LAT 4028. N LONG 7350. W NO. SPECIES 28 NO. INDIVS 700

DIVERSITY 1.7832 EQUITABILITY 0.5366

SPECIES LISTING	TOTAL
NINOE NIGRIPES	4
NUCULA PROXIMA	133
BIVALVIA	1
PITAR MORRHUANA	1
LUMBRINERIS FRAGILIS	5
ENSIS DIRECTUS	2
PAGURUS LONGICARPUS	1
STHENELAIS LIMICOLA	1
DRILONEREIS LONGA	3
PARAONIS GRACILIS	1
THARYX ACUTUS	3
LUMBRINERIS TENUIS	24
CERASTODERMA PINNULATUM	2
CRANGON SEPTEMSPINOSA	7
ETEONE LONGA	1
POLYDORA LIGNI	2
PRIONOSPIO STEENSTRUPI	107
GLYCERA SP.	9
SPIOPHANES BOMBYX	298
POTAMILLA NEGLECTA	1
SPIO FILICORNIS	77
UNCIOLA IRRORATA	5
OSTRACODA	1
CANCER IRRORATUS	3
AGLAOPHAMUS CIRCINATA	1
PHERUSA AFFINIS	3
RHYNCHOCOELA	2
CERIANTHEOPSIS AMERICANA	2

STATION 21 DATE 04/08/73 DEPTH (M) 46 GRAB 1

LAT 4028. N LONG 7348. W NO. SPECIES 32 NO. INDIVS 2175

DIVERSITY 1.5906 EQUITABILITY 0.4590

SPECIES LISTING	TOTAL
BIVALVIA	8
ARICIDEA JEFFREYSII	2
PARAONIS GRACILIS	2
PRIONOSPIO MALMGRENI	19
COSSURA LONGOCIRRATA	19
SPIOPHANES BOMBYX	2
ETEONE LONGA	3
MULINIA LATERALIS	1
PITAR MORRHUANA	14
THARYX ACUTUS	1253
NEMATODA	5
PHERUSA AFFINIS	74
NEPHTYS INCISA	42
RHYNCHOCOELA	2
CERASTODERMA PINNULATUM	6
POTAMILLA NEGLECTA	15
HARTMANIA MOOREI	2
CERIANTHEOPSIS AMERICANA	57
PHASCOLOSOMA SP.	2
LUMBRINERIS TENUIS	7
DRILONEREIS LONGA	2
POLYDORA LIGNI	4
NINOE NIGRIPES	5
TELLINA AGILIS	6
LUMBRINERIS FRAGILIS	16
PHASCOLOSOMA SP.	31
PHASCOLOSOMA SP.	12
MEDIOMASTUS AMBISETAE	255
OVALIPES OCELLATUS	1
NASSARIUS TRIVITTATUS	1
NUCULA PROXIMA	304
YOLDIA LIMATULA	3

STATION 22 DATE 04/08/73 DEPTH (M) 46 GRAB 1

LAT 4028. N LONG 7346. W NO. SPECIES 31 NO. INDIVS 1874

DIVERSITY 1.6359 EQUITABILITY 0.4767

SPECIES LISTING	TOTAL
POTAMILLA RENIFORMIS	1
ARICIDEA JEFFREYSII	2
MEDIOMASTUS AMBISETAE	436
PHASCOLOSOMA SP.	5
LUNATIA HERGS	1
PARAONIS GRACILIS	4
ASABELLIDES OCULATA	2
DECAPOD	1
PHASCOLOSOMA SP.	14
COSSURA LONGOCIRRATA	4
PHASCOLOSOMA SP.	2
NINOE NIGRIPES	11
LUMBRINERIS TENUIS	2
PHERUSA AFFINIS	48
THARYX ACUTUS	928
SPIOPHANES BOMBYX	10
POTAMILLA NEGLECTA	16
RHYNCHOCOELA	6
CERIANTHEOPSIS AMERICANA	42
PITAR MORRHUANA	11
BIVALVIA	9
TELLINA AGILIS	25
NUCULA PROXIMA	232
NEPHTYS INCISA	23
ETEONE LONGA	1
POTAMILLA NEGLECTA	1
HARMOTHOE IMBRICATA	1
STHENELAIS LIMICOLA	1
DRILONEREIS LONGA	3
NEMATODA	14
PRIONOSPIO MALMGRENI	18

STATION 22 DATE 04/08/73 DEPTH (M) 46 GRAB 2

LAT 4028. N LONG 7346. W NO. SPECIES 28 NO. INDIVS 852

DIVERSITY 1.9153 EQUITABILITY 0.5748

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	1
YOLDIA LIMATULA	2
NUCULA PROXIMA	140
PHASCOLOSOMA SP.	38
BIVALVIA	2
PHERUSA AFFINIS	33
CERIANTHEOPSIS AMERICANA	27
PHASCOLOSOMA SP.	1
MEDIOMASTUS AMBISETAE	34
THARYX ACUTUS	394
POTAMILLA NEGLECTA	1
PITAR MORRHUANA	2
ENSIS DIRECTUS	1
PHASCOLOSOMA SP.	5
PHASCOLOSOMA SP.	22
CANCER IRRORATUS	11
NASSARIUS TRIVITTATUS	2
TELLINA AGILIS	1
SPIO FILICORNIS	1
ASABELLIDES OCULATA	1
NINOE NIGRIPES	6
ETEONE LONGA	1
COSSURA LONGOCIRRATA	1
PRIONOSPIO MALMGRENI	9
EDOTEA TRILOBA	1
AEGININA LONGICORNIS	79
NEPHTYS INCISA	35
LUMBRINERIS TENUIS	1

STATION 22 DATE 04/08/73 DEPTH (M) 46 GRAB 3

LAT 4028. N LONG 7346. W NO. SPECIES 25 NO. INDIVS 799

DIVERSITY 1.5237 EQUITABILITY 0.4749

SPECIES LISTING	TOTAL
PHERUSA AFFINIS	25
RHYNCHOCOELA	3
NEREIS GRAYI	1
NEPHTYS INCISA	29
PITAR MORRHUANA	3
ASABELLIDES OCULATA	1
STHENELAIS LIMICOLA	1
POTAMILLA NEGLECTA	1
NUCULA PROXIMA	85
LUMBRINERIS TENUIS	2
COSSURA LONGOCIRRATA	1
ORILONEREIS LONGA	2
TELLINA AGILIS	5
MERCENARIA MERCENARIA	1
CERASTODERMA PINNULATUM	2
THARYX ACUTUS	+94
PHASCOLOSOMA SP.	24
MEDIOMASTUS AMBISETAE	63
SPIOPHANES BOMBYX	1
NINOE NIGRIPES	8
PHASCOLOSOMA SP.	3
CANCER IRRORATUS	10
DECAPOD	1
PRIONOSPIO MALMGRENI	6
CERIANTHEOPSIS AMERICANA	27

STATION 22 DATE 04/08/73 DEPTH (M) 46 GRAB 4

LAT 4028. N LONG 7346. W NO. SPECIES 19 NO. INDIVS 603

DIVERSITY 1.7510 EQUITABILITY 0.5947

SPECIES LISTING	TOTAL
DECAPOD	1
CANCER IRRORATUS	5
PHASCOLOSOMA SP.	15
NUCULA PROXIMA	238
PITAR MORRHUANA	2
LUMBRINERIS FRAGILIS	1
DRILONEREIS LONGA	4
ETEONE LONGA	1
PARAONIS GRACILIS	1
NINOE NIGRIPES	9
CERIANTHEOPSIS AMERICANA	30
NEPHTYS INCISA	16
PHERUSA AFFINIS	30
ASABELLIDES OCULATA	1
LUMBRINERIS TENUIS	1
PHASCOLOSOMA SP.	11
POTAMILLA NEGLECTA	4
MEDIOMASTUS AMBISETAE	52
THARYX ACUTUS	181

****

STATION 23 DATE 04/08/73 DEPTH (M) 46 GRAB 1

LAT 4028. N LONG 7344. W NO. SPECIES 12 NO. INDIVS 160

DIVERSITY 1.9313 EQUITABILITY 0.7772

SPECIES LISTING	TOTAL
NEPHTYS INCISA	24
CERASTODERMA PINNULATUM	2
CERIANTHEOPSIS AMERICANA	12
TELLINA AGILIS	2
NUCULA PROXIMA	15
CANCER IRRORATUS	9
THARYX ACUTUS	64
NINOE NIGRIPES	4
DRILONEREIS LONGA	4
PHERUSA AFFINIS	16
BIVALVIA	2
NUCULA PROXIMA	6

STATION 23 DATE 04/08/73 DEPTH (M) 46 GRAB 2

LAT 4028. N LONG 7344. W NO. SPECIES 35 NO. INDIVS 582

DIVERSITY 2.3645 EQUITABILITY 0.6651

SPECIES LISTING	TOTAL
POTAMILLA NEGLECTA	3
PRIONOSPIO MALMGRENI	11
SPIO FILICORNIS	2
SPIOPHANES BOMBYX	4
ETEONE LONGA	1
PAGURUS LONGICARPUS	1
CAPITELLA CAPITATA	1
OLIGOCHAETA	3
PARAONIS GRACILIS	1
CANCER IRRORATUS	13
UNCIOLA IRRORATA	1
DRILONEREIS LONGA	8
NINOE NIGRIPES	4
BIVALVIA	11
THARYX ACUTUS	238
HARMOTHOE EXTENUATA	2
NEMATODA	9
STHENELAIS LIMICOLA	2
LUMBRINERIS TENUIS	1
ASABELLIDES OCULATA	1
PITAR MORRHUANA	13
EDOTEA TRILOBA	1
CERASTODERMA PINNULATUM	6
TELLINA AGILIS	10
PHASCOLOSOMA SP.	15
NUCULA PROXIMA	42
YOLDIA LIMATULA	1
RHYNCHOCOELA	20
NEPHTYS INCISA	18
CERIANTHEOPSIS AMERICANA	33
PHERUSA AFFINIS	51
MEDIOMASTUS AMBISETAE	47
PHASCOLOSOMA SP.	1
PHASCOLOSOMA SP.	3
NASSARIUS TRIVITTATUS	4

STATION 23 DATE 04/08/73 DEPTH (M) 46 GRAB 4

LAT 4028. N LONG 7344. W NO. SPECIES 35 NO. INDIVS 1413

DIVERSITY 2.3820 EQUITABILITY 0.6700

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	9
ARICIDEA JEFFREYSII	1
ETEONE LONGA	6
DRILONEREIS LONGA	7
CANCER IRRORATUS	13
PHASCOLOSOMA SP.	1
CRANGON SEPTEMSPINOSA	1
EDOTEA TRILOBA	3
HARMOTHOE IMBRICATA	2
CERIANTHEOPSIS AMERICANA	89
OLIGOCHAETA	2
PHERUSA AFFINIS	126
ASABELLIDES OCULATA	3
CAPITELLA CAPITATA	4
MEDIOMASTUS AMBISETAE	179
YOLDIA LIMATULA	7
TELLINA AGILIS	19
RHYNCHOCOELA	15
NEMATODA	12
PANDORA GOULDIANA	1
NUCULA PROXIMA	136
PRIONOSPIO STEENSTRUPI	25
EDWARDSIA SIPUNCULOIDES	3
PHASCOLOSOMA SP.	66
PITAR MORRHUANA	52
BIVALVIA	31
SPIOPHANES BOMBYX	8
NINOE NIGRIPES	19
NEPHTYS INCISA	95
POTAMILLA NEGLECTA	1
POLYDORA LIGNI	1
STHENELAIS LIMICOLA	1
NASSARIUS TRIVITTATUS	7
SPIO FILICORNIS	4
THARYX ACUTUS	464

STATION 24 DATE 04/08/73 DEPTH (M) 41 GRAB 1

LAT 4028. N LONG 7342. W NO. SPECIES 17 NO. INDIVS 188

DIVERSITY 1.2262 EQUITABILITY 0.4328

SPECIES LISTING	TOTAL
GLYCERA DIBRANCHIATA	6
SPIO FILICORNIS	6
THARYX ACUTUS	5
DRILONEREIS LONGA	1
SPIOPHANES BOMBYX	139
CRANGON SEPTEMSPINOSA	3
CANCER IRRORATUS	2
STHENELAIS LIMICOLA	1
ASABELLIDES OCULATA	1
RHYNCHOCOELA	2
LUMBRINERIS FRAGILIS	7
TRAVISIA CARNEA	1
PHASCOLOSOMA SP.	1
NINOE NIGRIPES	5
NUCULA PROXIMA	6
PITAR MORRHUANA	1
EDOTEA TRILOBA	1

****

STATION 24 DATE 04/08/73 DEPTH (M) 41 GRAB 2

LAT 4028. N LONG 7342. W NO. SPECIES 17 NO. INDIVS 45

DIVERSITY 2.6091 EQUITABILITY 0.9209

SPECIES LISTING	TOTAL
RHYNCHOCOELA	1
NINOE NIGRIPES	1
GLYCERA CAPITATA	1
LUMBRINERIS FRAGILIS	5
DRILONEREIS LONGA	5
GLYCERA DIBRANCHIATA	6
STHENELAIS LIMICOLA	1
ASABELLIDES OCULATA	1
THARYX ACUTUS	6
SPIOPHANES BOMBYX	2
PITAR MORRHUANA	1
AMPELISCA VERRILLI	1
EDOTEA TRILOBA	2
NUCULA PROXIMA	4
SPISULA SOLIDISSIMA	2
CRANGON SEPTEMSPINOSA	3
CANCER IRRORATUS	3

STATION 24 DATE 04/08/73 DEPTH (M) 41 GRAB 3

LAT 4028. N LONG 7342. W NO. SPECIES 12 NO. INDIVS 74

DIVERSITY 1.5020 EQUITABILITY 0.6045

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	16
NASSARIUS TRIVITTATUS	2
AMPELISCA VERRILLI	1
ENSIS DIRECTUS	1
STHENELAIS LIMICOLA	3
LUMBRINERIS FRAGILIS	1
GLYCERA DIBRANCHIATA	6
NINOE NIGRIPES	1
DRILONEREIS LONGA	1
THARYX ACUTUS	40
RHYNCHOCOELA	1
NEPHTYS BUCERA	1

****

STATION 24 DATE 04/08/73 DEPTH (M) 41 GRAB 4

LAT 4028. N LONG 7342. W NO. SPECIES 13 NO. INDIVS 299

DIVERSITY 0.7292 EQUITABILITY 0.2843

SPECIES LISTING	TOTAL
DRILONEREIS LONGA	2
CRANGON SEPTEMSPINOSA	1
TRAVISIA CARNEA	2
CANCER IRRORATUS	4
RHYNCHOCOELA	5
CERIANTHEOPSIS AMERICANA	1
THARYX ACUTUS	12
SPIOPHANES BOMBYX	255
LUMBRINERIS FRAGILIS	2
STHENELAIS LIMICOLA	2
NOTOCIRRUS SPINIFERUS	1
ASABELLIDES OCULATA	2
GLYCERA DIBRANCHIATA	10

STATION 25 DATE 04/08/73 DEPTH (M) 39 GRAB 1

LAT 4028. N LONG 7340. W NO. SPECIES 26 NO. INDIVS 178

DIVERSITY 2.2846 EQUITABILITY 0.7012

SPECIES LISTING	TOTAL
CANCER IRRORATUS	5
PSEUDUNCIOLA OBLIQUUA	71
THARYX ACUTUS	1
HIPPOMEDON SERRATUS	1
LEPTOCHELIA SAVIGNYI	11
EXOGONE HEBES	1
LUMBRINERIS ACUTA	1
RHYNCHOCOELA	2
CERIANTHEOPSIS AMERICANA	2
TELLINA AGILIS	10
HEMIPODUS ARMATUS	4
NEPHTYS PICTA	3
STAURONEREIS CAECUS	1
ASTARTE CASTANEA	8
SPISULA SOLIDISSIMA	1
PARAPIONOSYLLIS LONGOCIRRATA	3
PARAONIS LYRA	1
SCOLELEPIS SQUAMATA	6
PROTODRILUS SYMBIOTICUS	22
SPIOPHANES BOMBYX	15
TRAVISIA CARNEA	1
PHYLLODOCE ARENAE	2
PHASCOLOSOMA SP.	1
CRENELLA GLANDULA	1
LUNATIA HEROS	1
ASABELLIDES OCULATA	3

STATION 26 DATE 04/08/73 DEPTH (M) 37 GRAB 1

LAT 4028. N LONG 7338. W NO. SPECIES 12 NO. INDIVS 21

DIVERSITY 2.2436 EQUITABILITY 0.9029

SPECIES LISTING	TOTAL
ENSIS DIRECTUS	1
LUMBRINERIS ACUTA	1
PHASCOLOSOMA SP.	2
NEPHTYS BUCERA	2
LEPTOCHELIA SAVIGNYI	1
HEMIPODUS ARMATUS	1
MEDIOMASTUS AMBISETAE	1
RHYNCHOCOELA	1
ASTARTE CASTANEA	1
CANCER IRRORATUS	3
PHASCOLOSOMA SP.	1
TELLINA AGILIS	6

****

STATION 26 DATE 04/08/73 DEPTH (M) 37 GRAB 2

LAT 4028. N LONG 7338. W NO. SPECIES 15 NO. INDIVS 57

DIVERSITY 2.2024 EQUITABILITY 0.8133

SPECIES LISTING	TOTAL
ASTARTE CASTANEA	9
ASTARTE UNDATA	1
PHASCOLOSOMA SP.	6
PANDORA GOULDIANA	1
RHYNCHOCOELA	2
SIGALION ARENICOLA	1
STHENELAIS LIMICOLA	1
GLYCERA DIBRANCHIATA	1
PSEUDUNCIOLA OBLIQUUA	6
NEPHTYS BUCERA	4
PROTOHAUSTORIUS WIGLEYI	2
NUCULA PROXIMA	1
TELLINA AGILIS	18
CANCER IRRORATUS	3
HETEROMASTUS FILIFORMIS	1

STATION 26 DATE 04/08/73 DEPTH (M) 37 GRAB 4

LAT 4028. N LONG 7338. W NO. SPECIES 23 NO. INDIVS 94

DIVERSITY 2.2406 EQUITABILITY 0.7146

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	3
RHYNCHOCOELA	3
LUMBRINERIS FRAGILIS	1
ASABELLIDES OCULATA	1
NEPHTYS BUCERA	3
PHASCOLOSOMA SP.	3
SIGALION ARENICOLA	2
PRIONOSPIO MALMGRENI	1
EDOTEA TRILOBA	1
PAGURUS LONGICARPUS	1
STAURONEREIS CAECUS	1
PHASCOLOSOMA SP.	2
PSEUDUNCIOLA OBLIQUJA	33
TELLINA AGILIS	24
ENSIS DIRECTUS	1
ASTARTE CASTANEA	1
PROTOHAUSTORIUS WIGLEYI	2
HIPPOMEDON SERRATUS	2
NASSARIUS TRIVITTATUS	2
TRICHOPHOXUS EPISTOMUS	1
CRANGON SEPTEMSPINOSA	1
CANCER IRRORATUS	2
OLIGOCHAETA	3

STATION 27 DATE 04/08/73 DEPTH (M) 36 GRAB 1

LAT 4025. N LONG 7338. W NO. SPECIES 16 NO. INDIVS 165

DIVERSITY 1.2460 EQUITABILITY 0.4494

SPECIES LISTING	TOTAL
HEMIPODUS ARMATUS	1
THARYX ACUTUS	6
LUMBRINERIS FRAGILIS	1
NEPHTYS PICTA	4
LUMBRINERIS ACUTA	1
ASTARTE CASTANEA	2
TELLINA AGILIS	9
PHASCOLOSOMA SP.	3
NASSARIUS TRIVITTATUS	1
LUNATIA HEROS	1
SIGALION ARENICOLA	1
RHYNCHOCOELA	1
PSEUDUNCIOLA OBLIQUUA	5
CANCER IRRORATUS	5
CRANGON SEPTEMSPINOSA	4
SPIOPHANES BOMBYX	120

STATION 28 DATE 04/08/73 DEPTH (M) 42 GRAB 1

LAT 4025. N LONG 7340. W NO. SPECIES 28 NO. INDIVS 119

DIVERSITY 2.6947 EQUITABILITY 0.8087

SPECIES LISTING	TOTAL
GLYCERA SP.	5
CRANGON SEPTEMSPINOSA	2
OLIGOCHAETA	3
CERIANTHEOPSIS AMERICANA	1
PRIONOSPIO MALMGRENI	3
CANCER IRRORATUS	2
BIVALVIA	2
PHERUSA AFFINIS	1
HARMOTHOE EXTENUATA	1
ETEONE LONGA	1
DRILONEREIS LONGA	3
THARYX ACUTUS	22
EXOGONE HEBES	1
SPIO FILICORNIS	32
LUMBRINERIS TENUIS	4
NINOE NIGRIPES	3
AGLAOPHAMUS CIRCINATA	1
NEPHTYS BUCERA	1
LUMBRINERIS FRAGILIS	5
RHYNCHOCOELA	4
NUCULA PROXIMA	4
STHENELAIS LIMICOLA	3
ASABELLIDES OCULATA	1
PHASCOLOSOMA SP.	2
NASSARIUS TRIVITTATUS	1
PITAR MORRHUANA	3
ARICIDEA JEFFREYSII	4
GLYCERA DIBRANCHIATA	4

STATION 28 DATE 04/08/73 DEPTH (M) 42 GRAB 2

LAT 4025. N LONG 7340. W NO. SPECIES 19 NO. INDIVS 121

DIVERSITY 2.3558 EQUITABILITY 0.8001

SPECIES LISTING	TOTAL
RHYNCHOCOELA	5
AGLAOPHAMUS CIRCINATA	1
PRIONOSPIO MALMGRENI	3
GLYCERA DIBRANCHIATA	9
ARICIDEA JEFFREYSII	4
NINOE NIGRIPES	2
LUMBRINERIS TENUIS	3
SPIO FILICORNIS	22
THARYX ACUTUS	26
STHENELAIS LIMICOLA	1
LUMBRINERIS FRAGILIS	2
OLIGOCHAETA	3
CANCER IRRORATUS	5
TELLINA AGILIS	1
PITAR MORRHUANA	3
CERASTODERMA PINNULATUM	1
NUCULA PROXIMA	3
SPIOPHANES BOMBYX	25
NEMATODA	2

STATION 23 DATE 04/08/73 DEPTH (M) 42 GRAB 3

LAT 4025. N LONG 7340. W NO. SPECIES 18 NO. INDIVS 122

DIVERSITY 2.3054 EQUITABILITY 0.7976

SPECIES LISTING	TOTAL
ARICIDEA JEFFREYSII	2
PHERUSA AFFINIS	1
GLYCERA DIBRANCHIATA	15
LUMBRINERIS FRAGILIS	3
NINOE NIGRIPES	8
MEDIOMASTUS AMBISETAE	1
SPIOPHANES BOMBYX	32
ASABELLIDES OCULATA	2
UNCIOLA IRRORATA	1
NUCULA PROXIMA	3
CERASTODERMA PINNULATUM	1
BIVALVIA	1
PITAR MORRHUANA	7
NASSARIUS TRIVITTATUS	3
PHYLLODOCE ARENAE	1
THARYX ACUTUS	12
RHYNCHOCOELA	8
SPIO FILICORNIS	21

STATION 28 DATE 04/08/73 DEPTH (M) 42 GRAB 4

LAT 4025. N LONG 7340. W NO. SPECIES 23 NO. INDIVS 145

DIVERSITY 2.4155 EQUITABILITY 0.7704

SPECIES LISTING	TOTAL
STHENELAIS LIMICOLA	1
NEOMYSIS AMERICANA	1
CANCER IRRORATUS	2
UNCIOLA IRRORATA	3
OLIGOCHAETA	2
NINOE NIGRIPES	12
LUMBRINERIS TENUIS	5
LUMBRINERIS FRAGILIS	5
RHYNCHOCOELA	8
GLYCERA SP.	8
PRIONOSPIO MALMGRENI	5
SPIO FILICORNIS	4
SPIOPHANES BOMBYX	51
PHERUSA AFFINIS	1
TELLINA AGILIS	1
CERASTODERMA PINNULATUM	1
DRILONEREIS LONGA	2
GLYCERA DIBRANCHIATA	1
ARICIDEA JEFFREYSII	4
THARYX ACUTUS	17
NUCULA PROXIMA	3
PITAR MORRHUANA	7
NASSARIUS TRIVITTATUS	1

STATION 29 DATE 04/08/73 DEPTH (M) 42 GRAB 1

LAT 4025. N LONG 7342. W NO. SPECIES 24 NO. INDIVS 179

DIVERSITY 2.1217 EQUITABILITY 0.6676

SPECIES LISTING	TOTAL
TRAVISIA CARNEA	2
EDUTEA TRILOBA	2
CANCER IRRORATUS	1
ASABELLIDES OCULATA	3
UNCIOLA IRRORATA	3
LEPTOCUMA MINUR	1
TRICHOPHOXUS EPISTOMUS	2
TELLINA AGILIS	13
ENSIS DIRECTUS	3
OLIGOCHAETA	2
ASTARTE CASTANEA	1
LUNATIA HEROS	1
NASSARIUS TRIVITTATUS	2
RHYNCHOCOELA	2
NEPHTYS BUCERA	5
LUMBRINERIS TENUIS	3
PRIONOSPIO MALMGRENI	1
EXOGONE HEBES	1
CAPITELLA CAPITATA	54
SPIO FILICORNIS	1
SPIOPHANES BOMBYX	57
THARYX ACUTUS	7
THARYX ACUTUS	11
POLYDORA LIGNI	1

STATION 29 DATE 04/08/73 DEPTH (M) 42 GRAB 2

LAT 4025. N LONG 7342. W NO. SPECIES 13 NO. INDIVS 83

DIVERSITY 1.8013 EQUITABILITY 0.7023

SPECIES LISTING	TOTAL
EXOGONE HEBES	1
LEPTOCUMA MINOR	2
GLYCERA SP.	2
NEPHTYS BUCERA	5
AGLAOPHAMUS CIRCINATA	1
ENSIS DIRECTUS	1
TELLINA AGILIS	3
SPIOPHANES BOMBYX	37
THARYX ACUTUS	12
NASSARIUS TRIVITTATUS	2
CAPITELLA CAPITATA	2
SIGALION ARENICOLA	1
PHASCOLOSOMA SP.	14

****

STATION 29 DATE 04/08/73 DEPTH (M) 42 GRAB 3

LAT 4025. N LONG 7342. W NO. SPECIES 13 NO. INDIVS 72

DIVERSITY 1.5732 EQUITABILITY 0.6133

SPECIES LISTING	TOTAL
GLYCERA SP.	1
NEPHTYS BUCERA	6
PSEUDONCIOLA OBLIQUUA	1
CAULLERIELLA SP.	8
CAPITELLA CAPITATA	1
SPIOPHANES BOMBYX	41
LEPTOCUMA MINOR	1
CANCER IRRORATUS	1
ENSIS DIRECTUS	2
DIASTYLIS SCULPTA	1
TELLINA AGILIS	7
NASSARIUS TRIVITTATUS	1
TRICHOPHOXUS EPISTOMUS	1

STATION 29 DATE 04/08/73 DEPTH (M) 42 GRAB 4

LAT 4025. N LONG 7342. W NO. SPECIES 21 NO. INDIVS 195

DIVERSITY 1.9811 EQUITABILITY 0.6507

SPECIES LISTING	TOTAL
DIASTYLIS QUADRISPINOSA	1
EDOTEA TRILOBA	4
CANCER IRRORATUS	1
CRANGON SEPTEMSPINOSA	1
LUNATIA HEROS	1
PHASCOLOSOMA SP.	1
LEPTOCUMA MINOR	1
NASSARIUS TRIVITTATUS	4
CERASTODERMA PINNULATUM	1
ENSIS DIRECTUS	2
TELLINA AGILIS	10
OLIGOCHAETA	6
CERIANTHEOPSIS AMERICANA	2
LUMBRINERIS FRAGILIS	1
THARYX ACUTUS	16
CAPITELLA CAPITATA	32
SPIOPHANES BOMBYX	82
GLYCERA DIBRANCHIATA	4
ASABELLIDES OCULATA	1
NEPHTYS PICTA	23
RHYNCHOCOELA	1

STATION 30 DATE 04/08/73 DEPTH (M) 44 GRAB 1

LAT 4025. N LONG 7344. W NO. SPECIES 19 NO. INDIVS 1824

DIVERSITY 0.6931 EQUITABILITY 0.2354

SPECIES LISTING	TOTAL
RHYNCHOCOELA	5
NEMATODA	3
CERIANTHEOPSIS AMERICANA	3
AGLAOPHAMUS CIRCINATA	1
NEPHTYS BUCERA	2
GLYCERA SP.	9
THARYX ACUTUS	25
ENSIS DIRECTUS	1
TELLINA AGILIS	24
CANCER IRRORATUS	11
UNCIOLA IRRORATA	2
EDOTEA TRILOBA	5
NASSARIUS TRIVITTATUS	4
LUNATIA HEROS	3
PAGURUS LONGICARPUS	4
OLIGOCHAETA	5
CAPITELLA CAPITATA	1525
ASABELLIDES OCULATA	1
SPIOPHANES BOMBYX	191

****

STATION 30 DATE 04/08/73 DEPTH (M) 44 GRAB 2

LAT 4025. N LONG 7344. W NO. SPECIES 12 NO. INDIVS 128

DIVERSITY 1.5137 EQUITABILITY 0.6092

SPECIES LISTING	TOTAL
NASSARIUS TRIVITTATUS	3
NUCULA PROXIMA	1
PHASCOLOSOMA SP.	1
TELLINA AGILIS	1
LUNATIA HEROS	1
OLIGOCHAETA	45
CAPITELLA CAPITATA	19
THARYX ACUTUS	49
GLYCERA DIBRANCHIATA	2
SPIOPHANES BOMBYX	3
NEMATODA	1
CERIANTHEOPSIS AMERICANA	2

STATION 30 DATE 04/08/73 DEPTH (M) 44 GRAB 3

LAT 4025. N LONG 7344. W NO. SPECIES 19 NO. INDIVS 819

DIVERSITY 1.5762 EQUITABILITY 0.5353

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	299
CAPITELLA CAPITATA	228
RHYNCHOCOELA	1
CERIANTHEOPSIS AMERICANA	2
MEDIOMASTUS AMBISETAE	1
THARYX ACUTUS	194
LUMBRINERIS TENUIS	1
SPIO FILICORNIS	8
ASABELLIDES OCULATA	1
OLIGOCHAETA	33
GLYCERA DIBRANCHIATA	11
PITAR MORRHUANA	2
TELLINA AGILIS	13
PHASCOLOSOMA SP.	1
EDOTEA TRILOBA	4
LUNATIA HEROS	4
NASSARIUS TRIVITTATUS	3
CANCER IRRORATUS	12
PAGURUS LONGICARPUS	1

STATION 30 DATE 04/08/73 DEPTH (M) 44 GRAB 4

LAT 4025. N LONG 7344. W NO. SPECIES 18 NO. INDIVS 1334

DIVERSITY 1.5546 EQUITABILITY 0.5413

SPECIES LISTING	TOTAL
RHYNCHOCOELA	4
CERIANTHEOPSIS AMERICANA	18
SPIO FILICORNIS	6
GLYCERA DIBRANCHIATA	22
MEDIOMASTUS AMBISETAE	2
LUNATIA HERUS	1
TELLINA AGILIS	9
NASSARIUS TRIVITTATUS	9
PHASCOLOSOMA SP.	1
THARYX ACUTUS	163
SPIOPHANES BOMBYX	391
CAPITELLA CAPITATA	567
CHIROOOTEA TUFTSI	1
OLIGOCHAETA	102
CANCER IRRORATUS	17
EDOTEA TRILOBA	19
CRANGON SEPTEMSPINOSA	1
UNCIOLA IRRORATA	1

****

STATION 31 DATE 04/08/73 DEPTH (M) 56 GRAB 1

LAT 4025. N LONG 7346. W NO. SPECIES 10 NO. INDIVS 47

DIVERSITY 1.7456 EQUITABILITY 0.7594

SPECIES LISTING	TOTAL
RHYNCHOCOELA	9
GLYCERA SP.	1
NINOE NIGRIPES	1
CERIANTHEOPSIS AMERICANA	5
GLYCERA DIBRANCHIATA	1
SPIO FILICORNIS	1
SPIOPHANES BOMBYX	19
CAPITELLA CAPITATA	1
EDOTEA TRILOBA	7
CANCER IRRORATUS	2

STATION 31 DATE 04/08/73 DEPTH (M) 56 GRAB 2

LAT 4025. N LONG 7346. W NO. SPECIES 12 NO. INDIVS 1015

DIVERSITY 0.3115 EQUITABILITY 0.1253

SPECIES LISTING	TOTAL
CERIANTHEOPSIS AMERICANA	6
CAPITELLA CAPITATA	959
RHYNCHOCOELA	26
CANCER IRRORATUS	3
HARMOTHOE IMBRICATA	1
EDOTEA TRILOBA	7
PHYLLODOCE ARENAE	1
NEPHTYS INCISA	1
NINOE NIGRIPES	1
SPIO FILICORNIS	1
PHERUSA AFFINIS	5
PHASCOLOSOMA SP.	4

****

STATION 31 DATE 04/08/73 DEPTH (M) 56 GRAB 3

LAT 4025. N LONG 7346. W NO. SPECIES 10 NO. INDIVS 1623

DIVERSITY 0.0952 EQUITABILITY 0.0413

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
RHYNCHOCOELA	14
CAPITELLA CAPITATA	1600
SPIOPHANES BOMBYX	1
CERIANTHEOPSIS AMERICANA	1
EDOTEA TRILOBA	2
PHYLLODOCE ARENAE	1
GLYCERA SP.	1
DECAPOD	1
CANCER IRRORATUS	1

STATION 31 DATE 04/08/73 DEPTH (M) 56 GRAB 4

LAT 4025. N LONG 7346. W NO. SPECIES 16 NO. INDIVS 1129

DIVERSITY 0.2252 EQUITABILITY 0.0812

SPECIES LISTING	TOTAL
CANCER IRRORATUS	2
EDOTEA TRILOBA	2
NINOE NIGRIPES	1
CERIANTHEOPSIS AMERICANA	3
EDWARDSIA SIPUNCULOIDES	1
PHYLLODOCE ARENAE	1
RHYNCHOCOELA	18
NEMATODA	1
PHASCOLOSOMA SP.	5
NEPHTYS INCISA	1
SPIOPHANES BOMBYX	1
SPIO FILICORNIS	1
CAPITELLA CAPITATA	1089
NASSARIUS TRIVITTATUS	1
PHERUSA AFFINIS	1
DECAPOD	1

****

STATION 32 DATE 04/08/73 DEPTH (M) 57 GRAB 1

LAT 4025. N LONG 7348. W NO. SPECIES 19 NO. INDIVS 1613

DIVERSITY 0.5627 EQUITABILITY 0.1911

SPECIES LISTING	TOTAL
MEDIOMASTUS AMBISETAE	24
OPHIOGLYCERA GIGANTEA	1
LUMBRINERIS TENUIS	1
POTAMILLA NEGLECTA	2
YOLDIA LIMATULA	2
PARAONIS GRACILIS	7
CERIANTHEOPSIS AMERICANA	14
NEPHTYS INCISA	30
PHERUSA AFFINIS	16
PHASCOLOSOMA SP.	1
RHYNCHOCOELA	6
PROTODRILUS SYMBIOTICUS	1
PHASCOLOSOMA SP.	2
BIVALVIA	2
PRIONOSPIO MALMGRENI	1
THARYX ACUTUS	61
PITAR MORRHUANA	2
NUCULA PROXIMA	1439
CERASTODERMA PINNULATUM	1

STATION 32 DATE 04/08/73 DEPTH (M) 57 GRAB 2

LAT 4025. N LONG 7348. W NO. SPECIES 23 NO. INDIVS 1879

DIVERSITY 0.6575 EQUITABILITY 0.2129

SPECIES LISTING	TOTAL
NEPHTYS INCISA	26
POTAMILLA NEGLECTA	6
MEDIOMASTUS AMBISETAE	42
THARYX ACUTUS	76
PRIONOSPIO STEENSTRUPI	2
ETEONE LONGA	2
PHASCOLOSOMA SP.	4
PARAONIS GRACILIS	9
CERASTODERMA PINNULATUM	1
BIVALVIA	2
PITAR MORRHUANA	3
PHASCOLOSOMA SP.	1
RHYNCHOCOELA	1
CERIANTHEOPSIS AMERICANA	25
PHERUSA AFFINIS	19
COSSURA LONGOCIRRATA	1
LUMBRINERIS TENUIS	5
NINOE NIGRIPES	1
NUCULA PROXIMA	1639
YOLDIA LIMATULA	5
TELLINA AGILIS	6
OPHIOGLYCERA GIGANTEA	1
HARTMANIA MOOREI	2

STATION 32 DATE 04/08/73 DEPTH (M) 57 GRAB 3

LAT 4025. N LONG 7348. W NO. SPECIES 21 NO. INDIVS 1511

DIVERSITY 1.1050 EQUITABILITY 0.3633

SPECIES LISTING	TOTAL
MEDIOMASTUS AMBISETAE	66
PARAONIS GRACILIS	17
PHASCOLOSOMA SP.	19
CERASTODERMA PINNULATUM	3
NUCULA PROXIMA	1140
PITAR MORRHUANA	8
NINOE NIGRIPES	5
SPIOPHANES BOMBYX	1
CAPITELLA CAPITATA	2
YOLDIA LIMATULA	5
TELLINA AGILIS	1
LUMBRINERIS TENUIS	4
CANCER IRRORATUS	1
POTAMILLA NEGLECTA	7
PRIONOSPIO STEENSTRUPI	9
HARMOTHOE EXTENUATA	3
THARYX ACUTUS	119
NEPHTYS INCISA	16
CERIANTHEOPSIS AMERICANA	23
RHYNCHOCOELA	16
PHERUSA AFFINIS	46

STATION 32 DATE 04/08/73 DEPTH (M) 57 GRAB 4

LAT 4025. N LONG 7348. W NO. SPECIES 18 NO. INDIVS 1602

DIVERSITY 0.9549 EQUITABILITY 0.3304

SPECIES LISTING	TOTAL
MEDIOMASTUS AMBISETAE	61
COSSURA LONGOCIRRATA	6
NEPHTYS INCISA	20
THARYX ACUTUS	166
RHYNCHOCOELA	4
LUMBRINERIS TENUIS	4
ETEONE LONGA	3
PARAONIS GRACILIS	19
PHERUSA AFFINIS	21
POTAMILLA NEGLECTA	7
PRIONOSPIO STEENSTRUPI	2
CERIANTHEOPSIS AMERICANA	24
PHASCOLOSOMA SP.	8
CERASTODERMA PINNULATUM	2
PITAR MORRHUANA	9
BIVALVIA	2
YOLDIA LIMATULA	1
NUCULA PROXIMA	1243

STATION 33 DATE 04/08/73 DEPTH (M) 50 GRAB 1

LAT 4025. N LONG 7350. W NO. SPECIES 26 NO. INDIVS 4182

DIVERSITY 0.6165 EQUITABILITY 0.1892

SPECIES LISTING	TOTAL
PITAR MORRHUANA	7
PHASCOLOSOMA SP.	12
MOLINIA LATERALIS	3
YOLDIA LIMATULA	12
NOTOMASTUS LATERICIUS	1
CERASTODERMA PINNULATUM	4
PHERUSA AFFINIS	26
THARYX ACUTUS	291
CERIANTHEOPSIS AMERICANA	27
NEMATODA	1
NINOE NIGRIPES	42
LUMBRINERIS TENUIS	24
PARAONIS GRACILIS	4
PRIONOSPIO MALMGRENI	1
RHYNCHOCOELA	8
COSSURA LONGOCIRRATA	1
NEPHTYS INCISA	37
PHASCOLOSOMA SP.	7
NEREIS VIRENS	1
OLIGOCHAETA	1
OSTRACODA	3
POLYDORA LIGNI	2
NUCULA PROXIMA	3650
MEDIOMASTUS AMBISETAE	15
EDOTEA TRILOBA	1
POTAMILLA NEGLECTA	1

STATION 33 DATE 04/08/73 DEPTH (M) 50 GRAB 2

LAT 4025. N LONG 7350. W NO. SPECIES 29 NO. INDIVS 3627

DIVERSITY 0.7551 EQUITABILITY 0.2251

SPECIES LISTING	TOTAL
CANCER IRRORATUS	3
THARYX ACUTUS	339
TELLINA AGILIS	3
CERASTODERMA PINNULATUM	2
PHASCOLOSOMA SP.	21
YOLDIA LIMATULA	3
PARAONIS GRACILIS	3
SPIOPHANES BOMBYX	1
POLYDORA LIGNI	5
NUCULA PROXIMA	3018
NASSARIUS TRIVITTATUS	1
PHASCOLOSOMA SP.	6
CERIANTHEOPSIS AMERICANA	36
NEPHTYS INCISA	30
RHYNCHOCOELA	9
PHERUSA AFFINIS	27
PRIONOSPIO STEENSTRUPI	6
POTAMILLA NEGLECTA	2
NINOE NIGRIPES	21
LUMBRINERIS TENUIS	60
OLIGOCHAETA	1
BIVALVIA	2
PITAR MORRHUANA	4
MULINIA LATERALIS	1
HARMOTHOE EXTENUATA	1
LUMBRINERIS COCCINEA	1
COSSURA LONGOCIRRATA	1
MEDIOMASTUS AMBISETAE	19
ASABELLIDES OCULATA	1

STATION 33 DATE 04/08/73 DEPTH (M) 50 GRAB 3

LAT 4025. N LONG 7350. W NO. SPECIES 24 NO. INDIVS 1006

DIVERSITY 1.6327 EQUITABILITY 0.5137

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	7
THARYX ACUTUS	521
RHYNCHOCOELA	4
ENSIS DIRECTUS	2
CERIANTHEOPSIS AMERICANA	4
NUCULA PROXIMA	231
BIVALVIA	2
NASSARIUS TRIVITTATUS	2
PITAR MORRHUANA	1
TELLINA AGILIS	26
PRIONOSPIO STEENSTRUPI	10
UNCIOLA IRRORATA	4
DECAPOD	1
CANCER IRRORATUS	2
POLYDORA LIGNI	11
GLYCERA DIBRANCHIATA	5
PHERUSA AFFINIS	9
OLIGOCHAETA	3
SPIO FILICORNIS	37
SPIOPHANES BOMBYX	63
MEDIOMASTUS AMBISETAE	13
LUMBRINERIS TENUIS	43
STHENELAIS LIMICOLA	1
ARICIDEA JEFFREYSII	4

STATION 33 DATE 04/08/73 DEPTH (M) 50 GRAB 4

LAT 4025. N LONG 7350. W NO. SPECIES 27 NO. INDIVS 793

DIVERSITY 1.8149 EQUITABILITY 0.5507

SPECIES LISTING	TOTAL
THARYX ACUTUS	83
PARAONIS GRACILIS	1
POLYDORA LIGNI	1
NEPHTYS INCISA	16
ARICIDEA JEFFREYSII	5
STHENELAIS LIMICOLA	2
PITAR MORRHUANA	21
CERIANTHEOPSIS AMERICANA	13
BIVALVIA	3
CERASTODERMA PINNULATUM	2
NINOE NIGRIPES	93
RHYNCHOCOELA	4
MEDIOMASTUS AMBISETAE	18
GLYCERA DIBRANCHIATA	5
GLYCERA SP.	4
TELLINA AGILIS	4
NUCULA PROXIMA	415
PHASCOLOSOMA SP.	2
DIASTYLIS POLITA	1
CANCER IRRORATUS	1
PHYLLODOCE ARENAE	1
PHASCOLOSOMA SP.	3
MYTILUS EDULIS	1
SPIO FILICORNIS	2
SPIOPHANES BOMBYX	33
PRIONOSPIO STEENSTRUPI	12
LUMBRINERIS TENUIS	47

STATION 34 DATE 04/08/73 DEPTH (M) 37 GRAB 1

LAT 4025. N LONG 7352. W NO. SPECIES 11 NO. INDIVS 61

DIVERSITY 1.8126 EQUITABILITY 0.7559

SPECIES LISTING	TOTAL
RHYNCHOCOELA	3
SPIO FILICORNIS	4
NEPHTYS BUCERA	1
SPIOPHANES BOMBYX	28
POLYDORA LIGNI	4
GLYCERA SP.	9
CRANGON SEPTEMSPINOSA	2
UNCIOLA IRRORATA	1
NASSARIUS TRIVITTATUS	1
TELLINA AGILIS	5
ENSIS DIRECTUS	3

****

STATION 34 DATE 04/08/73 DEPTH (M) 37 GRAB 2

LAT 4025. N LONG 7352. W NO. SPECIES 17 NO. INDIVS 102

DIVERSITY 1.9381 EQUITABILITY 0.6841

SPECIES LISTING	TOTAL
NEOMYSIS AMERICANA	1
NASSARIUS TRIVITTATUS	4
EDOTEA TRILOBA	1
SPIOPHANES BOMBYX	25
DIASTYLIS QUADRISPINOSA	1
CANCER IRRORATUS	2
PAGURUS LONGICARPUS	1
NEPHTYS BUCERA	3
GLYCERA SP.	1
ENSIS DIRECTUS	1
SPIO FILICORNIS	5
MAGELONA ROSEA	1
POLYDORA LIGNI	5
NUCULA PROXIMA	1
THARYX ACUTUS	41
TELLINA AGILIS	7
RHYNCHOCOELA	2

STATION 34 DATE 04/08/73 DEPTH (M) 37 GRAB 3

LAT 4025. N LONG 7352. W NO. SPECIES 14 NO. INDIVS 144

DIVERSITY 1.3842 EQUITABILITY 0.7140

SPECIES LISTING	TOTAL
NEPHTYS PICTA	8
STHENELAIS LIMICOLA	3
SPIO FILICORNIS	34
UNCIOLA IRRORATA	1
SPIOPHANES BOMBYX	53
POLYDORA LIGNI	13
LUMBRINERIS FRAGILIS	1
GLYCERA DIBRANCHIATA	1
THARYX ACUTUS	6
CRANGON SEPTEMSPINOSA	1
CANCER IRRORATUS	1
PAGURUS LONGICARPUS	1
MYTILUS EDULIS	8
TELLINA AGILIS	13

****

STATION 34 DATE 04/08/73 DEPTH (M) 37 GRAB 4

LAT 4025. N LONG 7352. W NO. SPECIES 21 NO. INDIVS 289

DIVERSITY 1.9027 EQUITABILITY 0.6250

SPECIES LISTING	TOTAL
TELLINA AGILIS	14
ENSIS DIRECTUS	2
CERASTODERMA PINNULATUM	1
LUMBRINERIS FRAGILIS	1
ASABELLIDES OCULATA	2
POLYDORA LIGNI	8
OLIGOCHAETA	4
SPIOPHANES BOMBYX	22
SPIO FILICORNIS	24
UNCIOLA IRRORATA	1
CRANGON SEPTEMSPINOSA	5
CANCER IRRORATUS	5
GLYCERA DIBRANCHIATA	1
PHASCOLOSOMA SP.	8
SPISULA SOLIDISSIMA	1
BIVALVIA	1
MYTILUS EDULIS	70
THARYX ACUTUS	116
MEDIOMASTUS AMBISETAE	1
CAPITELLA CAPITATA	1
STAURONEREIS CAECUS	1

STATION 35 DATE 04/08/73 DEPTH (M) 40 GRAB 1

LAT 4025. N LONG 7354. W NO. SPECIES 14 NO. INDIVS 636

DIVERSITY 1.1226 EQUITABILITY 0.4254

SPECIES LISTING	TOTAL
NEOMYSIS AMERICANA	4
THARYX ACUTUS	29
NEPHTYS INCISA	37
CANCER IRRORATUS	3
NUCULA PROXIMA	501
YOLDIA LIMATULA	3
MULINIA LATERALIS	1
PITAR MORRHUANA	5
BIVALVIA	3
PHASCOLOSOMA SP.	13
NINOE NIGRIPES	2
LUMBRINERIS TENUIS	4
CERIANTHEOPSIS AMERICANA	35
PHERUSA AFFINIS	46

****

STATION 35 DATE 04/08/73 DEPTH (M) 40 GRAB 2

LAT 4025. N LONG 7354. W NO. SPECIES 20 NO. INDIVS 2775

DIVERSITY 0.8526 EQUITABILITY 0.2846

SPECIES LISTING	TOTAL
NEPHTYS INCISA	63
PHERUSA AFFINIS	169
CAPITELLA CAPITATA	1
CERIANTHEOPSIS AMERICANA	53
RHYNCHOCOELA	8
HARTMANIA MOOREI	1
COSSURA LONGOCIRRATA	1
LUMBRINERIS TENUIS	22
PARAONIS GRACILIS	6
THARYX ACUTUS	84
POLYDORA LIGNI	6
MEDIOMASTUS AMBISETAE	5
CANCER IRRORATUS	5
PHASCOLOSOMA SP.	38
CHAETOZONE SETOSA	1
YOLDIA LIMATULA	10
NUCULA PROXIMA	2274
PHASCOLOSOMA SP.	6
PITAR MORRHUANA	15
MULINIA LATERALIS	7

STATION 35 DATE 04/08/73 DEPTH (M) 40 GRAB 3

LAT 4025. N LONG 7354. W NO. SPECIES 12 NO. INDIVS 2511

DIVERSITY 0.6276 EQUITABILITY 0.2526

SPECIES LISTING	TOTAL
YOLDIA LIMATULA	1
MULINIA LATERALIS	2
PHASCOLOSOMA SP.	2
LUMBRINERIS TENUIS	25
NUCULA PROXIMA	2144
CANCER IRRORATUS	2
CRANGON SEPTEMSPINOSA	1
THARYX ACUTUS	71
NINOE NIGRIPES	2
CERIANTHEOPSIS AMERICANA	34
PHERUSA AFFINIS	188
NEPHTYS INCISA	39

****

STATION 35 DATE 04/08/73 DEPTH (M) 40 GRAB 4

LAT 4025. N LONG 7354. W NO. SPECIES 10 NO. INDIVS 90

DIVERSITY 1.5172 EQUITABILITY 0.7024

SPECIES LISTING	TOTAL
NEPHTYS INCISA	8
RHYNCHOCOELA	4
PHERUSA AFFINIS	3
HARMOTHOE EXTENUATA	1
POLYDORA LIGNI	49
PHASCOLOSOMA SP.	2
NUCULA PROXIMA	9
CANCER IRRORATUS	5
UNCIOLA IRRORATA	3
CERIANTHEOPSIS AMERICANA	6

STATION 36 DATE 04/08/73 DEPTH (M) 25 GRAB 1

LAT 4025. N LONG 7356. W NO. SPECIES 12 NO. INDIVS 32

DIVERSITY 2.0889 EQUITABILITY 0.8406

SPECIES LISTING	TOTAL
MULINIA LATERALIS	2
PROTOHAUSTORIUS WIGLEYI	2
CRANGON SEPTEMSPINOSA	2
SPISULA SOLIDISSIMA	1
ASTARTE CASTANEA	2
TELLINA AGILIS	6
PHASCOLOSOMA SP.	11
ACANTHOHAUSTORIUS SPINOSUS	2
OVALIPES OCELLATUS	1
SIGALION ARENICOLA	1
SCOLELEPIS SQUAMATA	1
NEPHTYS BUCERA	1

****

STATION 36 DATE 04/08/73 DEPTH (M) 25 GRAB 2

LAT 4025. N LONG 7356. W NO. SPECIES 18 NO. INDIVS 46

DIVERSITY 2.6546 EQUITABILITY 0.9184

SPECIES LISTING	TOTAL
SCOLELEPIS SQUAMATA	6
NEPHTYS BUCERA	4
RHYNCHOCOELA	1
STAURONEREIS CAECUS	1
OPHELIA DENTICULATA	1
GLYCERA SP.	4
PHASCOLOSOMA SP.	4
SPISULA SOLIDISSIMA	2
ASTARTE CASTANEA	1
LUMBRINERIS ACUTA	1
ORBINIA ORNATA	3
CRANGON SEPTEMSPINOSA	1
TELLINA AGILIS	2
LEPTOCHELIA SAVIGNYI	1
PROTODRILUS SYMBIOTICUS	7
CANCER IRRORATUS	4
PROTOHAUSTORIUS WIGLEYI	2
LEPTOCUMA MINOR	1

STATION 35 DATE 04/08/73 DEPTH (M) 25 GRAB 3

LAT 4025. N LONG 7355. W NO. SPECIES 6 NO. INDIVS 12

DIVERSITY 1.7545 EQUITABILITY 0.9513

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	1
SPIOPHANES BOMBYX	3
HEMIPODUS ARMATUS	2
NEPHTYS BUCERA	3
SCOLELEPIS SQUAMATA	1
TELLINA AGILIS	2

****

STATION 36 DATE 04/08/73 DEPTH (M) 25 GRAB 4

LAT 4025. N LONG 7356. W NO. SPECIES 15 NO. INDIVS 33

DIVERSITY 2.3769 EQUITABILITY 0.8777

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	1
ASABELLIDES OCULATA	2
NEPHTYS BUCERA	4
LUMBRINERIS ACUTA	7
LUMBRINERIS FRAGILIS	1
ARICIDEA JEFFREYSII	1
PROTODRILUS SYMBIOTICUS	1
HEMIPODUS ARMATUS	1
PARAHAUSTORIUS ATTENUATUS	1
LEPTOCUMA MINOR	7
SPISULA SOLIDISSIMA	1
TELLINA AGILIS	2
CANCER IRRORATUS	1
PROTOHAUSTORIUS WIGLEYI	2
PHASCOLOSOMA SP.	1

STATION 36 DATE 04/08/73 DEPTH (M) 25 GRAB 5

LAT 4025. N LONG 7356. W NO. SPECIES 19 NO. INDIVS 68

DIVERSITY 2.3250 EQUITABILITY 0.7900

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	3
ORBINIA ORNATA	2
NEPHTYS BUCERA	1
SIGALION ARENICOLA	1
OPHELIA BICORNIS	1
THARYX ANNULOSUS	1
LUMBRINERIS ACUTA	10
ARICIDEA JEFFREYSII	1
HEMIPODUS ARMATUS	31
LEPTOCHELIA SAVIGNYI	4
CRANGON SEPTEMSPINOSA	3
PROTODRILUS SYMBIOTICUS	7
LEPTOCUMA MINOR	2
TELLINA AGILIS	1
SPISULA SOLIDISSIMA	7
ASTARTE CASTANEA	6
CANCER IRRORATUS	4
PHASCOLOSOMA SP.	1
PARAPIONOSYLLIS LONGOCIRRATA	2

****

STATION 37 DATE 04/08/73 DEPTH (M) 17 GRAB 1

LAT 4025. N LONG 7357. W NO. SPECIES 15 NO. INDIVS 312

DIVERSITY 1.6271 EQUITABILITY 0.6008

SPECIES LISTING	TOTAL
PARAONIS FULGENS	23
STAURONEREIS CAECUS	1
OLIGOCHAETA	7
PHASCOLOSOMA SP.	162
CRANGON SEPTEMSPINOSA	1
PROTODRILUS SYMBIOTICUS	25
THARYX ACUTUS	2
POLYDORA LIGNI	1
LUMBRINERIS ACUTA	1
LUNATIA HEROS	1
TELLINA AGILIS	4
HEMIPODUS ARMATUS	48
NEPHTYS BUCERA	6
SPISULA SOLIDISSIMA	4
ASTARTE CASTANEA	26

STATION 37 DATE 04/08/73 DEPTH (M) 17 GRAB 3

LAT 4025. N LONG 7357. W NO. SPECIES 10 NO. INDIVS 33

DIVERSITY 1.7381 EQUITABILITY 0.7549

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	5
ARICIDEA JEFFREYSII	1
CANCER IRRORATUS	1
NEOMYSIS AMERICANA	1
OLIGOCHAETA	1
POLYDORA LIGNI	8
PHASCOLOSOMA SP.	1
SPISULA SOLIDISSIMA	1
TELLINA AGILIS	1
PHASCOLOSOMA SP.	13

****

STATION 37 DATE 04/08/73 DEPTH (M) 17 GRAB 4

LAT 4025. N LONG 7357. W NO. SPECIES 12 NO. INDIVS 34

DIVERSITY 1.7836 EQUITABILITY 0.7178

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
CANCER IRRORATUS	1
SPIOPHANES BOMBYX	1
CHIRODOTEA TUFTSI	1
PROTOHAUSTORIUS WIGLEYI	17
PARAHAUSTORIUS ATTENUATUS	1
ACANTHOHAUSTORIUS SPINOSUS	4
CRANGON SEPTEMSPINOSA	1
TRICHOPHOXUS EPISTOMUS	1
PROTOHAUSTORIUS DEICHMANNAE	4
TELLINA AGILIS	1
THARYX ACUTUS	1

****

STATION 38 DATE 04/08/73 DEPTH (M) 21 GRAB 1

LAT 4022. N LONG 7357. W NO. SPECIES 1 NO. INDIVS 1

DIVERSITY 0.0 EQUITABILITY 0.0

SPECIES LISTING	TOTAL
NUCULA PROXIMA	1

STATION 38 DATE 04/08/73 DEPTH (M) 21 GRAB 2

LAT 4022. N LONG 7357. W NO. SPECIES 9 NO. INDIVS 31

DIVERSITY 1.9127 EQUITABILITY 0.8705

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	2
PRIONOSPIO MALMGRENI	3
LUMBRINERIS TENUIS	2
ASABELLIDES OCULATA	1
CANCER IRRORATUS	2
NUCULA PROXIMA	1
GLYCERA SP.	3
POLYDORA LIGNI	9
ARICIDEA JEFFREYSII	8

****

STATION 38 DATE 04/08/73 DEPTH (M) 21 GRAB 3

LAT 4022. N LONG 7357. W NO. SPECIES 16 NO. INDIVS 64

DIVERSITY 2.1662 EQUITABILITY 0.7813

SPECIES LISTING	TOTAL
POLYDORA LIGNI	21
PHERUSA AFFINIS	4
NEPHTYS INCISA	1
SPIOPHANES BOMBYX	1
STREBLOSPIO BENEDICTI	1
ARICIDEA JEFFREYSII	2
LUMBRINERIS FRAGILIS	1
PRIONOSPIO MALMGRENI	12
GLYCERA DIBRANCHIATA	1
ASABELLIDES OCULATA	5
NEOMYSIS AMERICANA	1
NASSARIUS TRIVITTATUS	1
TELLINA AGILIS	1
GLYCERA AMERICANA	1
CANCER IRRORATUS	6
THARYX ACUTUS	5

STATION 38 DATE 04/08/73 DEPTH (M) 21 GRAB 4

LAT 4022. N LONG 7357. W NO. SPECIES 13 NO. INDIVS 47

DIVERSITY 1.8964 EQUITABILITY 0.7393

SPECIES LISTING	TOTAL
TRAVISIA CARNEA	1
GLYCERA DIBRANCHIATA	1
ARICIDEA WASSI	1
PROTODRILUS SYMBIOTICUS	4
NEOMYSIS AMERICANA	1
SPIOPHANES BOMBYX	20
POLYDORA LIGNI	1
TELLINA AGILIS	3
SPISULA SOLIDISSIMA	3
GLYCERA SP.	1
RHYNCHODDELA	1
NEMATODA	1
NEPHTYS BUCERA	9

****

STATION 39 DATE 04/08/73 DEPTH (M) 29 GRAB 1

LAT 4022. N LONG 7356. W NO. SPECIES 21 NO. INDIVS 187

DIVERSITY 2.1364 EQUITABILITY 0.7017

SPECIES LISTING	TOTAL
NUCULA PROXIMA	2
SPISULA SOLIDISSIMA	11
PHASCOLOSOMA SP.	1
CANCER IRRORATUS	1
NEOMYSIS AMERICANA	1
PSEUDUNCIOLA OBLIQUUA	42
TRICHOPHOXUS EPISTOMUS	6
LEPTOCHELIA SAVIGNYI	1
PROTOHAUSTORIUS WIGLEYI	25
GLYCERA DIBRANCHIATA	1
NEPHTYS BUCERA	7
AGLAOPHAMUS CIRCINATA	1
SPIOPHANES BOMBYX	58
HEMIPODUS ARMATUS	3
LYONSIA HYALINA	1
ASTARTE CASTANEA	4
TELLINA AGILIS	15
PHASCOLOSOMA SP.	2
ARICIDEA JEFFREYSII	2
THARYX ACUTUS	2
NEMATODA	1

STATION 40 DATE 05/08/73 DEPTH (M) 36 GRAB 1

LAT 4022. N LONG 7354. W NO. SPECIES 7 NO. INDIVS 49

DIVERSITY 0.9565 EQUITABILITY 0.4915

SPECIES LISTING	TOTAL
RHYNCHOCOELA	1
POLINICES DUPLICATUS	1
PHASCOLOSOMA SP.	37
ENSIS DIRECTUS	2
CRANGON SEPTEMSPINOSA	1
CANCER IRRORATUS	3
TRICHOPHOXUS EPISTOMUS	4

STATION 40 DATE 05/08/73 DEPTH (M) 36 GRAB 2

LAT 4022. N LONG 7354. W NO. SPECIES 33 NO. INDIVS 456

DIVERSITY 1.8031 EQUITABILITY 0.5157

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	4
UNCIOLA IRRORATA	2
PSEUDUNCIOLA OBLIQUUA	30
DIASTYLIS SCULPTA	1
CRANGON SEPTEMSPINOSA	2
NUCULA PROXIMA	2
RHYNCHOCOELA	4
PANDORA GOULDIANA	1
LUNATIA HEROS	1
CERIANTHEOPSIS AMERICANA	1
GLYCERA SP.	7
NEPHTYS PICTA	4
GLYCERA DIBRANCHIATA	4
PARAONIS GRACILIS	1
STHENELAIS LIMICOLA	1
EXOGONE HEBES	3
LUMBRINERIS TENUIS	3
HEMIPODUS ARMATUS	3
TRAVISIA CARNEA	1
PHASCOLOSOMA SP.	1
PHASCOLOSOMA SP.	6
TELLINA AGILIS	13
PHASCOLOSOMA SP.	24
ENSIS DIRECTUS	2
STAURONEREIS CAECUS	1
CANCER IRRORATUS	7
EDOTEA TRILOBA	3
PROTODRILUS SYMBIOTICUS	1
THARYX ACUTUS	39
OLIGOCHAETA	8
ARICIDEA WASSI	2
ARICIDEA JEFFREYSII	7
SPIOPHANES BOMBYX	277

STATION 40 DATE 05/08/73 DEPTH (M) 36 GRAB 3

LAT 4022. N LONG 7354. W NO. SPECIES 21 NO. INDIVS 163

DIVERSITY 1.7202 EQUITABILITY 0.5650

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
NUCULA PROXIMA	4
TRAVISIA CARNEA	2
OLIGOCHAETA	1
NEOMYSIS AMERICANA	2
EDOTEA TRILOBA	1
CRANGON SEPTEMSPINOSA	6
PHASCOLOSOMA SP.	7
TELLINA AGILIS	7
PHERUSA AFFINIS	1
RHYNCHOCOELA	1
NEPHTYS BUCERA	1
MAGELONA ROSEA	1
ARICIDEA JEFFREYSII	6
GLYCERA DIBRANCHIATA	3
AGLAOPHAMUS CIRCINATA	1
PHYLLODOCE ARENAE	1
SPIO FILICORNIS	1
THARYX ACUTUS	22
SPIOPHANES BOMBYX	93
PRIONOSPIO MALMGRENI	1

STATION 40 DATE 05/08/73 DEPTH (M) 36 GRAB 4

LAT 4022. N LONG 7334. W NO. SPECIES 24 NO. INDIVS 345

DIVERSITY 0.8038 EQUITABILITY 0.2545

SPECIES LISTING	TOTAL
TELLINA AGILIS	4
ENSIS DIRECTUS	1
BIVALVIA	1
PHASCOLOSOMA SP.	1
PHASCOLOSOMA SP.	1
STHENELAIS LIMICOLA	1
SPIO FILICORNIS	3
CERIANTHEOPSIS AMERICANA	1
UNCIOLA IRRORATA	4
LUMBRINERIS TENUIS	1
LUMBRINERIS FRAGILIS	6
SPIOPHANES BOMBYX	2
DIASTYLIS SCULPTA	1
NEOMYSIS AMERICANA	1
CANCER IRRORATUS	4
EDOTEA TRILOBA	1
CRANGON SEPTEMSPINOSA	2
PROTODRILUS SYMBIOTICUS	4
PHASCOLOSOMA SP.	4
THARYX ACUTUS	297
ARICIDEA JEFFREYSII	2
RHYNCHOCOELA	1
GLYCERA DIBRANCHIATA	1
HEMIPODUS ARMATUS	1

STATION 41 DATE 05/08/73 DEPTH (M) 44 GRAB 1

LAT 4022. N LONG 7352. W NO. SPECIES 23 NO. INDIVS 666

DIVERSITY 1.0963 EQUITABILITY 0.3496

SPECIES LISTING	TOTAL
CANCER IRRORATUS	3
CERASTODERMA PINNULATUM	3
PHASCOLOSOMA SP.	7
ISCHYROCERUS ANGUIPES	2
PAGURUS LONGICARPUS	1
TELLINA AGILIS	1
NUCULA PROXIMA	5
NEPHTYS INCISA	6
BIVALVIA	1
THARYX ACUTUS	514
UNCIOLA IRRORATA	6
RHYNCHOCOELA	2
PRIONOSPIO MALMGRENI	51
ARICIDEA JEFFREYSII	1
CERIANTHEOPSIS AMERICANA	2
NINOE NIGRIPES	10
LUMBRINERIS TENUIS	15
MEDIOMASTUS AMBISETAE	8
PHERUSA AFFINIS	12
PHASCOLOSOMA SP.	9
THARYX ANNULOSUS	2
POLYDORA LIGNI	1
SPIOPHANES BOMBYX	4

STATION 42 DATE 05/08/73 DEPTH (M) 47 GRAB 1

LAT 4022. N LONG 7350. W NO. SPECIES 34 NO. INDIVS 407

DIVERSITY 2.5380 EQUITABILITY 0.7197

SPECIES LISTING	TOTAL
BIVALVIA	1
PITAR MORRHUANA	2
LUMBRINERIS FRAGILIS	5
PHASCOLOSOMA SP.	1
HARMOTHOE EXTENUATA	2
LUMBRINERIS TENUIS	18
GLYCERA DIBRANCHIATA	7
CERIANTHEOPSIS AMERICANA	1
SPIOPHANES BOMBYX	24
NINOE NIGRIPES	8
MEDIOMASTUS AMBISETAE	17
PHERUSA AFFINIS	3
RHYNCHOCOELA	5
THARYX ACUTUS	28
AMPHARETE ARCTICA	1
ARICIDEA JEFFREYSII	17
PHYLLODOCE ARENAE	1
POTAMILLA NEGLECTA	2
ETEONE LONGA	1
PRIONOSPIO MALMGRENI	139
GLYCERA CAPITATA	9
ASABELLIDES OCULATA	2
PHASCOLOSOMA SP.	6
PROTODRILUS SYMBIOTICUS	27
PHASCOLOSOMA SP.	6
SPIO FILICORNIS	47
NUCULA PROXIMA	7
CERASTODERMA PINNULATUM	6
UNCIOLA IRRORATA	1
EDOTEA TRILOBA	2
CANCER IRRORATUS	8
PHASCOLOSOMA SP.	1
MYTILUS EDULIS	1
DIASTYLIS SCULPTA	1

STATION 42 DATE 05/08/73 DEPTH (M) 47 GRAB 2

LAT 4022. N LONG 7350. W NO. SPECIES 36 NO. INDIVS 794

DIVERSITY 2.5526 EQUITABILITY 0.7123

SPECIES LISTING	TOTAL
GLYCERA DIBRANCHIATA	1
YOLDIA LIMATULA	3
RHYNCHOCOELA	11
CERIANTHEOPSIS AMERICANA	19
PHASCOLOSOMA SP.	7
PHASCOLOSOMA SP.	2
CANCER IRRORATUS	15
EDOTEA TRILOBA	3
BIVALVIA	2
CEPASTODERMA PINNULATUM	7
POTAMILLA NEGLECTA	4
PITAR MORRHUANA	13
PROTODRILUS SYMBIOTICUS	1
NUCULA PROXIMA	143
SPIOPHANES BOMBYX	124
POLYCIRRUS MEDUSA	1
NINOE NIGRIPES	39
LUMBRINERIS TENUIS	20
NUCULA DELPHINODONTA	8
PRIONOSPIO STEENSTRUPI	140
UNCIOLA IRRORATA	1
LEPTOCHEIRUS PINGUIS	1
CANCER IRRORATUS	2
THARYX ACUTUS	86
PHASCOLOSOMA SP.	17
SPIO FILICORNIS	14
POLYDORA QUADRILOBATA	1
AMPHARETE ARCTICA	2
ASABELLIDES OCULATA	4
SCALIBREGMA INFLATUM	3
PARAONIS GRACILIS	2
ARICIDEA JEFFREYSII	1
PHERUSA AFFINIS	7
NEPHTYS INCISA	9
MEDIOMASTUS AMBISETAE	78
ETEONE LONGA	3

STATION 42 DATE 05/08/73 DEPTH (M) 47 GRAB 3

LAT 4022. N LONG 7350. W NO. SPECIES 33 NO. INDIVS 363

DIVERSITY 2.4644 EQUITABILITY 0.7048

SPECIES LISTING	TOTAL
OPHIOGLYCERA GIGANTEA	2
DECAPOD	1
NASSARIUS TRIVITTATUS	1
ETEONE LONGA	1
PAGURUS LONGICARPUS	3
PHASCOLOSOMA SP.	1
UNCIOLA IRRORATA	9
CREPIDULA FORNICATA	1
PHERUSA AFFINIS	10
NUCULA PROXIMA	6
CERASTODERMA PINNULATUM	2
SCALIBREGMA INFLATUM	1
AMPHARETE ARCTICA	1
PHASCOLOSOMA SP.	1
MEDIOMASTUS AMBISETAE	48
PRIONOSPIO STEENSTRUPI	67
HARMOTHOE EXTENUATA	29
AEGININA LONGICORNIS	3
SPIO FILICORNIS	2
HARMOTHOE IMBRICATA	1
THARYX ACUTUS	67
NEREIS GRAYI	3
NINOE NIGRIPES	2
UNCIOLA IRRORATA	26
PHOXOCEPHALUS HOLBOLLI	1
MELITA DENTATA	54
PHASCOLOSOMA SP.	1
NEOMYSIS AMERICANA	1
MYTILUS EDULIS	3
NEPHTYS INCISA	2
LUMBRINERIS TENUIS	1
PHASCOLOSOMA SP.	10
PHYLLODOCE MACULATA	2

STATION 42 DATE 05/08/73 DEPTH (M) 47 GRAB 4

LAT 4022. N LONG 7350. W NO. SPECIES 24 NO. INDIVS 598

DIVERSITY 2.3419 EQUITABILITY 0.7369

SPECIES LISTING	TOTAL
NEPHTYS INCISA	22
LUMBRINERIS TENUIS	25
NINOE NIGRIPES	25
PHERUSA AFFINIS	6
THARYX ACUTUS	93
ETEONE LONGA	1
PARAONIS GRACILIS	1
EDOTEA TRILOBA	1
NUCULA PROXIMA	92
CERIANTHEOPSIS AMERICANA	38
PITAR MORRHUANA	6
MEDIOMASTUS AMBISETAE	136
CERASTODERMA PINNULATUM	3
PHASCOLOSOMA SP.	1
POTAMILLA NEGLECTA	8
NUCULA DELPHINODONTA	2
SPIOPHANES BOMBYX	3
PRIONOSPIO MALMGRENI	88
RHYNCHOCOELA	16
DRILONEREIS LONGA	2
SPIO FILICORNIS	8
PHASCOLOSOMA SP.	15
PERIPLOMA FRAGILIS	4
BIVALVIA	2

STATION 43 DATE 05/08/73 DEPTH (M) 62 GRAB 1

LAT 4022. N LONG 7348. W NO. SPECIES 33 NO. INDIVS 1695

DIVERSITY 2.0455 EQUITABILITY 0.5851

SPECIES LISTING	TOTAL
PHERUSA AFFINIS	114
BIVALVIA	3
TELLINA AGILIS	1
CERASTODERMA PINNULATUM	7
PERIPLOMA FRAGILIS	1
HARTMANIA MOOREI	1
NINOE NIGRIPES	13
DRILONEREIS LONGA	35
CERIANTHEOPSIS AMERICANA	32
PHASCOLOSOMA SP.	3
NUCULA DELPHINODONTA	3
RHYNCHOCOELA	10
NEMATODA	15
PHASCOLOSOMA SP.	1
POLYDORA LIGNI	1
PARADNIS GRACILIS	103
NEPHTYS INCISA	22
POLYCIRRUS EXIMIUS	1
HARMOTHOE IMBRICATA	3
PRIONOSPIO MALMGRENI	25
LUMBRINERIS TENUIS	12
MEDIOMASTUS AMBISETAE	281
OWENIA FUSIFORMIS	1
AMPHARETE ARCTICA	2
THARYX ACUTUS	355
PHASCOLOSOMA SP.	1
YOLDIA LIMATULA	1
NUCULA PROXIMA	573
ASTARTE UNDATA	1
PHASCOLOSOMA SP.	2
POTAMILLA NEGLECTA	61
PITAR MORRHUANA	7
COSSURA LONGOCIRRATA	4

STATION 44 DATE 05/08/73 DEPTH (M) 50 GRAB 1

LAT 4022. N LONG 7346. W NO. SPECIES 18 NO. INDIVS 45

DIVERSITY 2.6610 EQUITABILITY 0.9206

SPECIES LISTING	TOTAL
CRANGON SEPTEMSPINOSA	4
TELLINA AGILIS	1
CERIANTHEOPSIS AMERICANA	1
MEDIOMASTUS AMBISETAE	1
PROTODRILUS SYMBIOTICUS	2
CANCER IRRORATUS	4
GLYCERA SP.	7
SPIOPHANES BOMBYX	3
RHYNCHOCOELA	2
ASABELLIDES OCULATA	1
ARICIDEA JEFFREYSII	1
THARYX ACUTUS	1
NEPHTYS BUCERA	1
TRAVISIA CARNEA	5
LUMBRINERIS FRAGILIS	1
GLYCERA DIBRANCHIATA	2
PHASCOLOSOMA SP.	3
PHASCOLOSOMA SP.	5

****

STATION 44 DATE 05/08/73 DEPTH (M) 50 GRAB 2

LAT 4022. N LONG 7346. W NO. SPECIES 14 NO. INDIVS 157

DIVERSITY 1.1737 EQUITABILITY 0.4466

SPECIES LISTING	TOTAL
AGLAOPHAMUS CIRCINATA	1
CANCER IRRORATUS	5
RHYNCHOCOELA	2
TRICHOPHOXUS EPISTOMUS	3
PSEUDUNCIOLA OBLIQUUA	1
EDOTEA TRILOBA	1
GLYCERA DIBRANCHIATA	8
TRAVISIA CARNEA	2
PHASCOLOSOMA SP.	112
STHENELAIS LIMICOLA	1
SPIOPHANES BOMBYX	17
TELLINA AGILIS	2
NASSARIUS TRIVITTATUS	1
NUCULA PROXIMA	1

STATION 44 DATE 05/08/73 DEPTH (M) 50 GRAB 3

LAT 4022. N LONG 7346. W NO. SPECIES 13 NO. INDIVS 20

DIVERSITY 2.4320 EQUITABILITY 0.9482

SPECIES LISTING	TOTAL
TRICHOPHOXUS EPISTOMUS	3
HIPPOMEDON SERRATUS	1
CRANGON SEPTEMSPINOSA	1
EDOTEA TRILOBA	1
AGLAOPHAMUS CIRCINATA	1
NEPHTYS CAECA	1
GLYCERA DIBRANCHIATA	1
RHYNCHOCOELA	1
SPIOPHANES BOMBYX	3
TELLINA AGILIS	3
PHASCOLOSOMA SP.	2
PHASCOLOSOMA SP.	1
CANCER IRRORATUS	1

****

STATION 44 DATE 05/08/73 DEPTH (M) 50 GRAB 4

LAT 4022. N LONG 7346. W NO. SPECIES 20 NO. INDIVS 59

DIVERSITY 2.6139 EQUITABILITY 0.8725

SPECIES LISTING	TOTAL
BIVALVIA	1
PHASCOLOSOMA SP.	1
CRANGON SEPTEMSPINOSA	1
CANCER IRRORATUS	7
TRICHOPHOXUS EPISTOMUS	5
RHYNCHOCOELA	5
GLYCERA DIBRANCHIATA	5
HIPPOMEDON SERRATUS	2
CERASTODERMA PINNULATUM	1
SPIOPHANES BOMBYX	13
STHENELAIS LIMICOLA	1
DECAPOD	1
ASABELLIDES OCULATA	1
TRAVISIA CARNEA	1
ARICIDEA JEFFREYSII	4
ORBINIA URNATA	2
DIASTYLIS SCULPTA	1
LUMBRINERIS FRAGILIS	1
NUCULA PROXIMA	2
AGLAOPHAMUS CIRCINATA	4

STATION 45 DATE 05/08/73 DEPTH (M) 43 GRAB 1

LAT 4022. N LONG 7344. W NO. SPECIES 15 NO. INDIVS +1

DIVERSITY 1.9817 EQUITABILITY 0.7318

SPECIES LISTING	TOTAL
THARYX ACUTUS	2
PHASCOLOSOMA SP.	1
CAPITELLA CAPITATA	2
EXOGONE HEBES	1
SPIO FILICORNIS	1
AMPHARETE ARCTICA	1
ASABELLIDES OCULATA	1
GLYCERA DIBRANCHIATA	2
NEPHTYS BUCERA	4
TELLINA AGILIS	2
SPISULA SOLIDISSIMA	1
SPIOPHANES BOMBYX	20
LUNATIA HEROS	1
CRANGON SEPTEMSPINOSA	1
OLIGOCHAETA	1

STATION 46 DATE 05/08/73 DEPTH (M) 46 GRAB 1

LAT 4022. N LONG 7342. W NO. SPECIES 26 NO. INDIVS 127

DIVERSITY 2.4853 EQUITABILITY 0.7628

SPECIES LISTING	TOTAL
RHYNCHOCOELA	1
PHERUSA AFFINIS	1
NEMATODA	1
THARYX ANNULOSUS	1
PITAR MORRHUANA	2
PHASCOLOSOMA SP.	7
BIVALVIA	1
OLIGOCHAETA	16
SPIO FILICORNIS	2
PROTODRILUS SYMBIOTICUS	34
SPISULA SOLIDISSIMA	1
ARICIDEA JEFFREYSII	1
PHASCOLOSOMA SP.	4
GLYCERA DIBRANCHIATA	1
SPIOPHANES BOMBYX	13
STHENELAIS LIMICOLA	1
HARMOTHOE EXTENUATA	1
NEPHTYS BUCERA	1
AGLAOPHAMUS CIRCINATA	1
GLYCERA SP.	8
ENSIS DIRECTUS	1
THARYX ACUTUS	19
ASABELLIDES OCULATA	3
LUMBRINERIS FRAGILIS	2
LUMBRINERIS TENUIS	2
NUCULA PROXIMA	2

STATION 46 DATE 05/08/73 DEPTH (M) 46 GRAB 2

LAT 4022. N LONG 7342. W NO. SPECIES 31 NO. INDIVS 208

DIVERSITY 2.5461 EQUITABILITY 0.7414

SPECIES LISTING	TOTAL
HYDROZOA	1
LUMBRINERIS TENUIS	2
LUMBRINERIS FRAGILIS	10
NUCULA PROXIMA	9
PHASCOLOSOMA SP.	1
THARYX ACUTUS	17
CAPITELLA CAPITATA	15
TELLINA AGILIS	9
BIVALVIA	1
RHYNCHOCOELA	1
NEMATODA	24
GLYCERA DIBRANCHIATA	10
CERIANTHEOPSIS AMERICANA	1
ASABELLIDES OCULATA	9
PHASCOLOSOMA SP.	1
MYTILUS EDULIS	1
PHASCOLOSOMA SP.	1
PAGURUS LONGICARPUS	2
SPIO FILICORNIS	1
CANCER IRRORATUS	2
AEGININA LONGICORNIS	65
AUTOLYTUS CORNUTUS	11
DRILONEREIS LONGA	1
HARMOTHOE EXTENUATA	1
STHENELAIS LIMICOLA	2
NASSARIUS TRIVITTATUS	1
PHOXOCEPHALUS HOLBOLLI	1
PRIONOSPIO STEENSTRUPI	1
SPIOPHANES BOMBYX	2
NEPHTYS PICTA	4
DECAPOD	1

STATION 45 DATE 05/08/73 DEPTH (M) 46 GRAB 4

LAT 4022. N LONG 7342. W NO. SPECIES 21 NO. INDIVS 95

DIVERSITY 2.4902 EQUITABILITY 0.8179

SPECIES LISTING	TOTAL
GLYCERA DIBRANCHIATA	11
LUMBRINERIS TENUIS	1
NEPHTYS PICTA	3
OLIGOCHAETA	22
EDOTEA TRILOBA	1
CANCER IRRORATUS	1
ASTARTE CASTANEA	1
ENSIS DIRECTUS	1
TELLINA AGILIS	7
PHASCOLOSOMA SP.	1
PHASCOLOSOMA SP.	1
PROTODRILUS SYMBIOTICUS	16
TRAVISIA CARNEA	1
ASABELLIDES OCULATA	8
LUMBRINERIS FRAGILIS	2
AMPHARETE ARCTICA	1
ARICIDEA JEFFREYSII	3
SPIOPHANES BOMBYX	4
RHYNCHOCOELA	2
CERIANTHEOPSIS AMERICANA	2
NUCULA PROXIMA	6

STATION 46 DATE 05/08/73 DEPTH (M) 46 GRAB 5

LAT 4022. N LONG 7342. W NO. SPECIES 17 NO. INDIVS 50

DIVERSITY 2.4442 EQUITABILITY 0.8627

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	1
EDOTEA TRILOBA	2
CANCER IRRORATUS	3
TELLINA AGILIS	13
PHASCOLOSOMA SP.	3
NUCULA PROXIMA	3
TRAVISIA CARNEA	1
THARYX ACUTUS	1
ASABELLIDES OCULATA	4
EXOGONE HEBES	1
PROTODRILUS SYMBIOTICUS	1
GLYCERA DIBRANCHIATA	8
OLIGOCHAETA	3
LUMBRINERIS FRAGILIS	3
CAPITELLA CAPITATA	1
NEMATODA	1
RHYNCHOCOELA	1

STATION 47 DATE 05/08/73 DEPTH (M) 43 GRAB 1

LAT 4022. N LONG 7340. W NO. SPECIES 20 NO. INDIVS 387

DIVERSITY 0.7133 EQUITABILITY 0.2381

SPECIES LISTING	TOTAL
NINOE NIGRIPES	1
ASABELLIDES OCULATA	4
PHYLLODOCE ARENAE	1
ARICIDEA JEFFREYSII	1
SPIO FILICORNIS	3
GLYCERA DIBRANCHIATA	12
PHOTIS SP.	1
LUMBRINERIS FRAGILIS	2
PHASCOLOSOMA SP.	1
SPIOPHANES BOMBYX	337
THARYX ACUTUS	6
PITAR MORRHUANA	6
SPISULA SOLIDISSIMA	1
ENSIS DIRECTUS	1
TELLINA AGILIS	4
NEPHTYS BUCERA	2
PHERUSA AFFINIS	1
RHYNCHOCOELA	1
NASSARIUS TRIVITTATUS	1
LUMBRINERIS COCCINEA	1

STATION 56 DATE 05/08/73 DEPTH (M) 37 GRAB 1

LAT 4019. N LONG 7352. W NO. SPECIES 27 NO. INDIVS 397

DIVERSITY 2.0276 EQUITABILITY 0.6152

SPECIES LISTING	TOTAL
THARYX ACUTUS	166
ARICIDEA JEFFREYSII	4
SPIOPHANES BOMBYX	71
NEPHTYS BUCERA	7
NEMATODA	1
LUMBRINERIS TENUIS	3
DRILONEREIS LONGA	1
GLYCERA DIBRANCHIATA	4
PROTODRILUS SYMBIOTICUS	48
OLIGOCHAETA	2
LUMBRINERIS FRAGILIS	6
SCOLOPLOS ROBUSTUS	2
TRAVISIA CARNEA	1
UNCIOLA IRRORATA	3
STAURONEREIS CAECUS	2
HEMIPODUS ARMATUS	2
PRIONOSPIO MALMGRENI	2
SCOLELEPIS SQUAMATA	1
HARMOTHOE EXTENUATA	3
SPIO FILICORNIS	19
EDOTEA TRILOBA	1
PSEUDOUNCIOLA OBLIQUUA	14
TRICHOPHOXUS EPISTOMUS	1
CANCER IRRORATUS	3
TELLINA AGILIS	3
SPISULA SOLIDISSIMA	2
PHASCOLOSOMA SP.	25

STATION 56 DATE 05/08/73 DEPTH (M) 37 GRAB 2

LAT 4019. N LONG 7352. W NO. SPECIES 20 NO. INDIVS 219

DIVERSITY 1.6028 EQUITABILITY 0.5350

SPECIES LISTING	TOTAL
EXOGONE HEBES	1
EUSYLLIS BLOMSTRANDI	1
ARICIDEA JEFFREYSII	2
LUMBRINERIS FRAGILIS	8
LUMBRINERIS TENUIS	4
HEMIPODUS ARMATUS	12
GLYCERA DIBRANCHIATA	5
SPIO FILICORNIS	1
HARMOTHOE EXTENUATA	2
THARYX ACUTUS	130
PHASCOLOSOMA SP.	3
PROTODRILUS SYMBIOTICUS	33
LUMBRINERIS ACUTA	1
NEPHTYS BUCERA	4
NEMATODA	2
CERIANTHEOPSIS AMERICANA	3
UNCIOLA IRRORATA	3
ASTARTE CASTANEA	1
PHASCOLOSOMA SP.	1
CANCER IRRORATUS	2

STATION 56 DATE 05/08/73 DEPTH (M) 37 GRAB 3

LAT 4019. N LONG 7352. W NO. SPECIES 19 NO. INDIVS 143

DIVERSITY 2.2027 EQUITABILITY 0.7481

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	10
THARYX ACUTUS	24
TELLINA AGILIS	1
CANCER IRRORATUS	2
LEPTOCHEIRUS PINGUIS	1
PHASCOLOSOMA SP.	2
UNCIOLA IRRORATA	2
CERIANTHEOPSIS AMERICANA	5
LUMBRINERIS TENUIS	5
LUMBRINERIS FRAGILIS	3
ARICIDEA JEFFREYSII	4
LUMBRINERIS ACUTA	1
NEMATODA	8
NEPHTYS BUCERA	4
PHERUSA AFFINIS	1
HEMIPODUS ARMATUS	46
RHYNCHOCOELA	1
PROTODRILUS SYMBIOTICUS	22
GLYCERA DIBRANCHIATA	1

****

STATION 56 DATE 05/08/73 DEPTH (M) 37 GRAB 4

LAT 4019. N LONG 7352. W NO. SPECIES 16 NO. INDIVS 107

DIVERSITY 1.7717 EQUITABILITY 0.6390

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	2
LUMBRINERIS ACUTA	1
LUMBRINERIS TENUIS	6
SPIO FILICORNIS	1
LUMBRINERIS FRAGILIS	4
HEMIPODUS ARMATUS	5
GLYCERA DIBRANCHIATA	6
CRANGON SEPTEMSPINOSA	2
OLIGOCHAETA	1
PROTODRILUS SYMBIOTICUS	16
THARYX ACUTUS	56
GLYCERA SP.	2
UNCIOLA IRRORATA	2
PARAPIONOSYLLIS LONGOCIRRATA	1
HARMOTHOE EXTENUATA	1
ARICIDEA JEFFREYSII	1

STATION 57 DATE 05/08/73 DEPTH (M) 35 GRAB 1

LAT 4019. N LONG 7354. W NO. SPECIES 19 NO. INDIVS 110

DIVERSITY 2.1469 EQUITABILITY 0.7291

SPECIES LISTING	TOTAL
EDOTEA TRILOBA	1
GLYCERA DIBRANCHIATA	4
PITAR MORRHUANA	2
SPIO FILICORNIS	3
PHOXOCEPHALUS HOLBOLLI	1
CERIANTHEOPSIS AMERICANA	3
PRIONOSPIO MALMGRENI	4
RHYNCHOCOELA	1
LUMBRINERIS FRAGILIS	6
ARICIDEA JEFFREYSII	4
LUMBRINERIS TENUIS	1
POLYCIRRUS MEDUSA	1
ASTARTE CASTANEA	1
NUCULA PROXIMA	3
THARYX ACUTUS	35
PHERUSA AFFINIS	3
UNCIOLA IRRORATA	1
PROTODRILUS SYMBIOTICUS	31
OLIGOCHAETA	5

STATION 58 DATE 05/06/73 DEPTH (M) 27 GRAB 1

LAT 4019. N LONG 7356. W NO. SPECIES 26 NO. INDIVS 133

DIVERSITY 2.8582 EQUITABILITY 0.8773

SPECIES LISTING	TOTAL
NASSARIUS TRIVITTATUS	1
NUCULA PROXIMA	2
ENSIS DIRECTUS	2
PHOXOCEPHALUS HOLBOLLI	2
TRAVISIA CARNEA	4
PHASCOLOSOMA SP.	1
SPISULA SOLIDISSIMA	3
MYTILUS EDULIS	2
PROTOHAUSTORIUS WIGLEYI	8
STHENELAIS LIMICOLA	1
HEMIPODUS ARMATUS	1
NEPHTYS PICTA	3
SCOLELEPIS SQUAMATA	1
THARYX ACUTUS	17
CRANGON SEPTEMSPINOSA	7
GLYCERA DIBRANCHIATA	1
PAGURUS LONGICARPUS	1
CANCER IRRORATUS	5
NEOMYSIS AMERICANA	6
EDOTEA TRILOBA	3
TRICHOPHOXUS EPISTOMUS	10
AMPELISCA VADORUM	4
PSEUDUNCIOLA OBLIQUUA	10
UNCIOLA IRRORATA	12
CHIRODOTEA TUFTSI	6
TELLINA AGILIS	20

STATION 58 DATE 05/08/73 DEPTH (M) 27 GRAB 2

LAT 4019. N LONG 7356. W NO. SPECIES 25 NO. INDIVS 102

DIVERSITY 2.7042 EQUITABILITY 0.8401

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	1
PHERUSA AFFINIS	1
NEMATODA	1
CHIRODOTEA TUFTSI	2
PHASCOLOSOMA SP.	2
PHYLLODOCE ARENAE	3
LEPTOCUMA MINOR	1
SPIOPHANES BOMBYX	2
POLYDORA LIGNI	2
AMPELISCA VADORUM	18
THARYX ACUTUS	10
UNCIOLA IRRORATA	14
PARANAITIS KOSTERIENSIS	1
TRICHOPHOXUS EPISTOMUS	2
PHOXOCEPHALUS HOLBOLLI	6
ENSIS DIRECTUS	1
MYTILUS EDULIS	11
PROTOHAUSTORIUS WIGLEYI	1
TELLINA AGILIS	8
PHASCOLOSOMA SP.	1
EDOTEA TRILOBA	1
PITAR MORRHUANA	1
PROTODRILUS SYMBIOTICUS	3
CANCER IRRORATUS	8
DIASTYLIS QUADRISPINOSA	1

STATION 58 DATE 05/08/73 DEPTH (M) 27 GRAB 3

LAT 4019. N LONG 7356. W NO. SPECIES 20 NO. INDIVS 136

DIVERSITY 2.2535 EQUITABILITY 0.7523

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	3
PHERUSA AFFINIS	2
MAGELONA ROSEA	1
THARYX ACUTUS	5
ARICIDEA JEFFREYSII	1
EDOTEA TRILOBA	2
CHIRIDOTEA TUFTSI	1
SPIOPHANES BOMBYX	43
OLIGOCHAETA	1
PHASCOLOSOMA SP.	4
CANCER IRRORATUS	3
TRICHOPHOXUS EPISTOMUS	5
LEPTOCUMA MINOR	1
NUCULA PROXIMA	2
PROTOHAUSTORIUS WIGLEYI	26
PSEUDONCIOLA OBLIQUUA	15
ONCIOLA IRRORATA	4
SPISULA SOLIDISSIMA	1
RHYNCHOCOELA	3
TELLINA AGILIS	13

STATION 58 DATE 05/08/73 DEPTH (M) 27 GRAB 4

LAT 4019. N LONG 7356. W NO. SPECIES 18 NO. INDIVS 39

DIVERSITY 2.4438 EQUITABILITY 0.8455

SPECIES LISTING	TOTAL
CANCER IRRORATUS	2
LUMBRINERIS FRAGILIS	1
TELLINA AGILIS	5
ARICIDEA JEFFREYSII	1
NASSARIUS TRIVITTATUS	1
LEPTOCUMA MINUR	1
CRANGON SEPTEMSPINUSA	1
RHYNCHOCOELA	1
NEPHTYS BUCERA	4
ORBINIA SWANI	1
THARYX ACUTUS	2
EXOGONE HEBES	1
STAURONEREIS CAECUS	1
SPIOPHANES BOMBYX	2
TRICHUPHUXUS EPISTOMUS	1
UNCIOLA IRRORATA	1
PROTOHAUSTORIUS WIGLEYI	1
PSEUDUNCIOLA OBLIQUUA	12

****

STATION 59 DATE 05/08/73 DEPTH (M) 19 GRAB 1

LAT 4019. N LONG 7358. W NO. SPECIES 13 NO. INDIVS 68

DIVERSITY 1.9002 EQUITABILITY 0.7408

SPECIES LISTING	TOTAL
PARAONIS LYRA	1
THARYX ACUTUS	11
SCOLELEPIS SQUAMATA	2
NEPHTYS BUCERA	4
HEMIPODUS ARMATUS	12
EDOTEA TRILOBA	1
PROTODRILUS SYMBIOTICUS	36
ARICIDEA JEFFREYSII	1
NEOMYSIS AMERICANA	1
PSEUDUNCIOLA OBLIQUUA	2
LEPTOCHELIA SAVIGNYI	8
TELLINA AGILIS	8
ASTARTE CASTANEA	1

STATION 60 DATE 05/08/73 DEPTH (M) 23 GRAB 1

LAT 4016. N LONG 7358. W NO. SPECIES 12 NO. INDIVS 31

DIVERSITY 1.9291 EQUITABILITY 0.7763

SPECIES LISTING	TOTAL
LUMBRINERIS FRAGILIS	1
SIGALION ARENICOLA	1
NEOMYSIS AMERICANA	1
LEPTOCHELIA SAVIGNYI	2
CRANGON SEPTEMSPINOSA	1
TELLINA AGILIS	1
ASTARTE CASTANEA	1
PHASCOLOSOMA SP.	1
PROTOHAUSTORIUS WIGLEYI	4
RHYNCHOCOELA	2
NEPHTYS BUCERA	2
HEMIPODUS ARMATUS	14

****

STATION 61 DATE 05/08/73 DEPTH (M) 26 GRAB 1

LAT 4016. N LONG 7356. W NO. SPECIES 13 NO. INDIVS 33

DIVERSITY 2.2732 EQUITABILITY 0.8863

SPECIES LISTING	TOTAL
THARYX ACUTUS	1
SPIOPHANES BOMBYX	1
SCOLELEPIS SQUAMATA	2
NEOMYSIS AMERICANA	2
HEMIPODUS ARMATUS	3
CRENELLA GLANDULA	1
PROTOHAUSTORIUS WIGLEYI	10
ASTARTE CASTANEA	1
PSEUDUNCIOLA OBLIQUUA	3
PROTODRILUS SYMBIOTICUS	1
LUMBRINERIS ACUTA	3
LUMBRINERIS FRAGILIS	2
NEPHTYS BUCERA	3

STATION 62 DATE 05/08/73 DEPTH (M) 34 GRAB 1

LAT 4016. N LONG 7354. W NO. SPECIES 23 NO. INDIVS 56

DIVERSITY 2.6931 EQUITABILITY 0.8605

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	3
PRIONOSPIO MALMGRENI	1
LUMBRINERIS FRAGILIS	2
CRANGON SEPTEMSPINOSA	1
LEPTOCUMA MINOR	2
SIGALION ARENICOLA	1
TRICHOPHOXUS EPISTOMUS	6
UNCIOLA IRRORATA	2
LEPTOCHELIA SAVIGNYI	1
PHASCOLOSOMA SP.	1
CERIANTHEOPSIS AMERICANA	2
GLYCERA DIBRANCHIATA	1
LUMBRINERIS ACUTA	5
PHASCOLOSOMA SP.	2
PROTOHAUSTORIUS WIGLEYI	15
EDOTEA TRILOBA	1
TELLINA AGILIS	1
ENSIS DIRECTUS	1
SPIOPHANES BOMBYX	2
THARYX ACUTUS	1
PHASCOLOSOMA SP.	1
LEIOCHONE DISPAR	1
ARICIDEA JEFFREYSII	3

STATION 63 DATE 05/08/73 DEPTH (M) 42 GRAB 1

LAT 4016. N LONG 7352. W NO. SPECIES 24 NO. INDIVS 172

DIVERSITY 1.5046 EQUITABILITY 0.4734

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	1
NEPHTYS PICTA	1
GLYCERA DIBRANCHIATA	2
TELLINA AGILIS	1
CRENELLA GLANDULA	8
CERIANTHEOPSIS AMERICANA	1
CANCER IRRORATUS	12
CRANGON SEPTEMSPINOSA	3
LEPTOCUMA MINUR	1
HEMIPODUS ARMATUS	1
PSEUDUNCIOLA OBLIQUUA	2
ARICIDEA JEFFREYSII	2
PROTOHAUSTORIUS WIGLEYI	2
THARYX ACUTUS	1
LUMBRINERIS FRAGILIS	5
NUCULA PROXIMA	1
TRAVISIA CARNEA	1
PHASCOLOSOMA SP.	3
SCOLELEPIS SQUAMATA	2
POLYCIRRUS MEDUSA	1
SPIOPHANES BOMBYX	117
SIGALION ARENICOLA	1
LUMBRINERIS TENUIS	2
LUMBRINERIS ACUTA	1

STATION 64 DATE 06/08/73 DEPTH (M) 46 GRAB 1

LAT 4016. N LONG 7350. W NO. SPECIES 29 NO. INDIVS 136

DIVERSITY 2.5351 EQUITABILITY 0.7531

SPECIES LISTING	TOTAL
NEMATODA	2
LUMBRINERIS FRAGILIS	7
GLYCERA DIBRANCHIATA	1
LUMBRINERIS TENUIS	22
RHYNCHOCOELA	1
NINOE NIGRIPES	13
PRIONOSPIO MALMGRENI	14
POTAMILLA NEGLECTA	1
MEDIOMASTUS AMBISETAE	13
AMPHARETE ARCTICA	1
CRANGON SEPTEMSPINOSA	1
CANCER IRRORATUS	9
AGLAOPHAMUS CIRCINATA	1
NICOLEA VENUSTULA	1
PHOXOCEPHALUS HOLBOLLI	1
UNCIOLA IRRORATA	7
AEGININA LONGICORNIS	2
PHASCOLOSOMA SP.	1
NUCULA PROXIMA	5
VENERICARDIA BOREALIS	1
PAGURUS LONGICARPUS	1
MYTILUS EDULIS	2
CERASTODERMA PINNULATUM	8
HARMOTHOE EXTENUATA	5
SPIO FILICORNIS	2
NEREIS GRAYI	2
PHASCOLOSOMA SP.	2
THARYX ANNULOSUS	1
THARYX ACUTUS	59

Table III. Machine listed benthic macrofauna data collected at the standard MESA grid stations (see Fig. 3) during the fifth seasonal cruise, August 1974.

STATION 1 DATE 26/08/74 DEPTH (M) 20 GRAB 1

LAT 4026. N LONG 7356. W NO. SPECIES 9 NO. INDIVS 48

TEMPERATURE 19.14 SALINITY 0.0 DISSOLVED OXYGEN 4.50

DIVERSITY 1.6167 EQUITABILITY 0.7367

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	1
EDWARDSIA SIPUNCULOIDES	1
LUMBRINERIS FRAGILIS	2
ARICIDEA JEFFREYSII	1
TELLINA AGILIS	19
NEPHTYS BUCERA	2
SPISULA SOLIDISSIMA	11
EDWARDSIA SIPUNCULOIDES	1
ARICIDEA QUADRILOBATA	10

****

STATION 2 DATE 26/08/74 DEPTH (M) 29 GRAB 1

LAT 4028. N LONG 7354. W NO. SPECIES 6 NO. INDIVS 25

TEMPERATURE 18.64 SALINITY 0.0 DISSOLVED OXYGEN 5.00

DIVERSITY 1.0060 EQUITABILITY 0.5614

SPECIES LISTING	TOTAL
GLYCERA SP.	1
NEPHTYS BUCERA	3
ASTARTE UNDATA	1
TELLINA AGILIS	18
CRANGON SEPTEMSPINOSA	1
SIGALION ARENICOLA	1

STATION 3 DATE 26/08/74 DEPTH (M) 40 GRAB 1

LAT 4028. N LONG 7350. W NO. SPECIES 39 NO. INDIVS 637

TEMPERATURE 16.84 SALINITY 0.0 DISSOLVED OXYGEN 4.40

DIVERSITY 2.3851 EQUITABILITY 0.6510

SPECIES LISTING	TOTAL
ARICIDEA JEFFREYSII	4
THARYX ACUTUS	135
THARYX ANNULOSUS	13
PHYLLODOCE ARENAE	2
NEREIS SUCCINEA	1
DRILONEREIS LONGA	6
AGLAOPHAMUS SP.	7
PARAONIS GRACILIS	1
GLYCERA DIBRANCHIATA	11
OPHIOGLYCERA GIGANTEA	3
SPIO FILICORNIS	28
SPIOPHANES BOMBYX	4
PRIONOSPIO STEENSTRUPI	208
MEDIOMASTUS AMBISETAE	19
AMPHARETE ARCTICA	7
STHENELAIS LIMICOLA	3
RHYNCHOCOELA	3
EDWARDSIA SIPUNCULOIDES	3
CERIANTHEOPSIS AMERICANA	6
NINOE NIGRIPES	7
CERASTODERMA PINNULATUM	8
PHERUSA AFFINIS	10
HAPLOSCOLOPLOS ROBUSTUS	1
LUMBRINERIS FRAGILIS	47
NUCULA PROXIMA	6
PITAR MORRHUANA	1
ASTARTE CASTANEA	1
LUMBRINERIS TENUIS	20
NEPHTYS PICTA	2
HEMIPODUS ARMATUS	1
UNCIOLA IRRORATA	9
PHOXOCEPHALUS HOLBOLLI	2
TRICHOPHOXUS EPISTOMUS	1
LEPTOCHEIRUS PINGUIS	1
AMPELISCA VADORUM	2
PALAEMONETES SP.	1
CANCER IRRORATUS	4
TELLINA AGILIS	18
MYTILUS EDULIS	1

STATION 4 DATE 27/08/74 DEPTH (M) 34 GRAB 1

LAT 4028. N LONG 7352. W NO. SPECIES 16 NO. INDIVS 116

TEMPERATURE 17.71 SALINITY 0.0 DISSOLVED OXYGEN 5.50

DIVERSITY 1.5446 EQUITABILITY 0.5571

SPECIES LISTING	TOTAL
PHYLLODOCE MUCOSA	2
NEPHTYS INCISA	2
RHYNCHOCOELA	2
DRILONEREIS LONGA	2
NINOE NIGRIPES	3
GLYCERA DIBRANCHIATA	8
HAPLOSCOLOPLOS ROBUSTUS	1
PROTODRILUS SYMBIOTICUS	1
AMPELISCA VERRILLI	3
NUCULA PROXIMA	74
PITAR MORRHUANA	3
AGLAOPHAMUS CIRCINATA	7
AMPHARETE ARCTICA	1
SPIO FILICORNIS	1
LUMBRINERIS FRAGILIS	1
LUMBRINERIS TENUIS	5

****

STATION 5 DATE 27/08/74 DEPTH (M) 24 GRAB 1

LAT 4031. N LONG 7350. W NO. SPECIES 5 NO. INDIVS 25

TEMPERATURE 20.08 SALINITY 0.0 DISSOLVED OXYGEN 5.80

DIVERSITY 1.3111 EQUITABILITY 0.8146

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	2
PROTOHAUSTORIUS DEICHMANNAE	3
TELLINA AGILIS	11
SPISULA SOLIDISSIMA	8
ARICIDEA JEFFREYSII	1

STATION 6 DATE 27/08/74 DEPTH (M) 20 GRAB 1

LAT 4031. N LONG 7352. W NO. SPECIES 13 NO. INDIVS 34

TEMPERATURE 20.86 SALINITY 0.0 DISSOLVED OXYGEN 7.20

DIVERSITY 2.3335 EQUITABILITY 0.9117

SPECIES LISTING	TOTAL
PHOXOCEPHALUS HOLBOLLI	3
NEOMYSIS AMERICANA	2
TRICHOPHOXUS EPISTOMUS	2
PROTODRILUS SYMBIOTICUS	2
GLYCERA SP.	1
NEPHTYS PICTA	2
THARYX ACUTUS	1
TELLINA AGILIS	6
SPISULA SOLIDISSIMA	2
PHASCOLOSOMA SP.	2
RHYNCHOCOELA	2
SPIOPHANES BOMBYX	1
ARICIDEA JEFFREYSII	8

****

STATION 7 DATE 27/08/74 DEPTH (M) 17 GRAB 1

LAT 4031. N LONG 7354. W NO. SPECIES 9 NO. INDIVS 42

TEMPERATURE 20.51 SALINITY 0.0 DISSOLVED OXYGEN 6.20

DIVERSITY 1.5860 EQUITABILITY 0.7673

SPECIES LISTING	TOTAL
NEOMYSIS AMERICANA	2
SCOLOPLOS ACUTUS	1
ORBINIA SWANI	1
GLYCERA DIBRANCHIATA	1
PROTOHAUSTORIUS WIGLEYI	1
PROTOHAUSTORIUS DEICHMANNAE	6
TELLINA AGILIS	11
NEPHTYS PICTA	3
SPISULA SOLIDISSIMA	16

STATION 8 DATE 27/08/74 DEPTH (M) 16 GRAB 1

LAT 4031. N LONG 7356. W NO. SPECIES 7 NO. INDIVS 31

TEMPERATURE 23.19 SALINITY 0.0 DISSOLVED OXYGEN 8.00

DIVERSITY 1.4326 EQUITABILITY 0.7362

SPECIES LISTING	TOTAL
PARAHAUSTORIUS ATTENUATUS	2
SPISULA SOLIDISSIMA	4
TELLINA AGILIS	6
NEPHTYS PICTA	1
CHIRODOTEA TUFTSI	1
PROTOHAUSTORIUS WIGLEYI	16
PARAHAUSTORIUS HOLMESI	1

****

STATION 9 DATE 27/08/74 DEPTH (M) 17 GRAB 1

LAT 4034. N LONG 7348. W NO. SPECIES 14 NO. INDIVS 198

TEMPERATURE 23.19 SALINITY 0.0 DISSOLVED OXYGEN 8.40

DIVERSITY 1.1694 EQUITABILITY 0.4507

SPECIES LISTING	TOTAL
ASABELLIDES OCULATA	3
SPIOPHANES BOMBYX	9
SCOLOPLOS ACUTUS	2
GLYCERA AMERICANA	1
MEDIOMASTUS AMBISETAE	1
POLYDORA LIGNI	7
POLYDORA SP.	2
PHYLLODOCE ARENAE	1
OLIGOCHAETA	11
CRANGON SEPTEMSPINOSA	2
CANCER IRRORATUS	1
TELLINA AGILIS	142
SPISULA SOLIDISSIMA	15
DRILONEREIS LONGA	1

STATION 10 DATE 27/08/74 DEPTH (M) 20 GRAB 1

LAT 4034. N LONG 7346. W NO. SPECIES 10 NO. INDIVS 170

TEMPERATURE 21.78 SALINITY 0.0 DISSOLVED OXYGEN 5.90

DIVERSITY 1.1744 EQUITABILITY 0.5101

SPECIES LISTING	TOTAL
POLYDORA LIGNI	2
OLIGOCHAETA	8
UNCIOLA IRRORATA	1
HAPLOSCOLOPLOS ROBUSTUS	1
SPISULA SOLIDISSIMA	67
PITAR MORRHUANA	1
TELLINA AGILIS	33
PHASCOLOSOMA SP.	1
ASABELLIDES OCULATA	4
NEPHTYS BUCERA	2

****

STATION 11 DATE 27/08/74 DEPTH (M) 21 GRAB 1

LAT 4034. N LONG 7344. W NO. SPECIES 7 NO. INDIVS 15

TEMPERATURE 22.72 SALINITY 0.0 DISSOLVED OXYGEN 7.40

DIVERSITY 1.5332 EQUITABILITY 0.8121

SPECIES LISTING	TOTAL
NEMATODA	1
POLYDORA LIGNI	1
POLYDORA SP.	1
THARYX ACUTUS	1
GONIADELLA GRACILIS	1
ASABELLIDES OCULATA	3
TELLINA AGILIS	7

STATION 12 DATE 27/08/74 DEPTH (M) 19 GRAB 1

LAT 4034. N LONG 7342. W NO. SPECIES 10 NO. INDIVS 57

TEMPERATURE 0.0 SALINITY 0.0 DISSOLVED OXYGEN 7.60

DIVERSITY 1.5550 EQUITABILITY 0.6753

SPECIES LISTING	TOTAL
RHYNCHOCOELA	1
GONIADELLA GRACILIS	8
PARAONIS LYRA	1
PROTODRILUS SYMBIOTICUS	2
TELLINA AGILIS	31
ORBINIA SWANI	1
NEPHTYS BUCERA	3
SPISULA SOLIDISSIMA	6
ASABELLIDES OCULATA	3
HAPLOSCOLOPLOS ROBUSTUS	1

****

STATION 13 DATE 27/08/74 DEPTH (M) 17 GRAB 1

LAT 4034. N LONG 7340. W NO. SPECIES 16 NO. INDIVS 84

TEMPERATURE 23.22 SALINITY 0.0 DISSOLVED OXYGEN 9.10

DIVERSITY 2.0829 EQUITABILITY 0.7512

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	4
THARYX ACUTUS	1
LUMBRINERIS FRAGILIS	1
PARAONIS LYRA	4
NEPHTYS BUCERA	3
GONIADELLA GRACILIS	37
HEMIPODUS ARMATUS	7
MICROPHTHALMUS ABBERRANS	1
ASABELLIDES OCULATA	3
RHYNCHOCOELA	2
SPIOPHANES BOMBYX	1
TELLINA AGILIS	6
OLIGOCHAETA	1
PROTODRILUS SYMBIOTICUS	6
LEPTOGNATHA CAECA	2
POLYDORA LIGNI	5

STATION 14 DATE 27/08/74 DEPTH (M) 19 GRAB 1

LAT 4034. N LONG 7338. W NO. SPECIES 3 NO. INDIVS 13

TEMPERATURE 23.58 SALINITY 0.0 DISSOLVED OXYGEN 8.80

DIVERSITY 0.5871 EQUITABILITY 0.6254

SPECIES LISTING	TOTAL
THARYX ACUTUS	2
TELLINA AGILIS	10
GLYCERA AMERICANA	1

****

STATION 15 DATE 28/08/74 DEPTH (M) 29 GRAB 1

LAT 4031. N LONG 7338. W NO. SPECIES 24 NO. INDIVS 347

TEMPERATURE 19.31 SALINITY 0.0 DISSOLVED OXYGEN 7.90

DIVERSITY 2.2238 EQUITABILITY 0.7013

SPECIES LISTING	TOTAL
ARICIDEA JEFFREYSII	84
PISIONE REMOTA	50
STAURONEREIS LAEVIS	8
DRILONEREIS LONGA	1
GLYCERA AMERICANA	1
HEMIPODUS ARMATUS	6
TRAVISIA CARNEA	4
PARAPIONOSYLLIS LONGICIRRATA	2
MICROPHTHALMUS ABBERRANS	1
OLIGOCHAETA	3
PROTODRILUS SYMBIOTICUS	15
OSTRACODA	1
COPEPODA	3
HUTCHINSONIELLA	1
LEPTOCHELIA SAVIGNYI	11
UNCIOLA IRRORATA	9
ASTARTE CASTANEA	2
TELLINA AGILIS	1
RHYNCHOCOELA	22
NEMATODA	4
LETOCHONE DISPAR	1
CLYMENELLA ZONALIS	23
PARAONIS GRACILIS	3
SPHAEROSYLLIS ERINACEUS	91

STATION 15 DATE 28/08/74 DEPTH (M) 32 GRAB 1

LAT 4031. N LONG 7340. W NO. SPECIES 16 NO. INDIVS 285

TEMPERATURE 18.41 SALINITY 0.0 DISSOLVED OXYGEN 4.40

DIVERSITY 1.6412 EQUITABILITY 0.5919

SPECIES LISTING	TOTAL
LEPTOCHELIA SAVIGNYI	85
GLYCERA DIBRANCHIATA	2
SIGALION ARENICOLA	2
AMPHARETE ARCTICA	2
ARICIDEA JEFFREYSII	1
PROTODRILUS SYMBIOTICUS	113
SPISULA SOLIDISSIMA	3
NEMATODA	3
CHIROODTEA CAECA	2
LUNATIA HEROS	2
TELLINA AGILIS	20
ASTARTE CASTANEA	7
CLYMENELLA ZONALIS	1
GONIADELLA GRACILIS	32
LUMBRINERIS ACUTA	3
DRILONEREIS LONGA	2

****

STATION 17 DATE 28/08/74 DEPTH (M) 34 GRAB 1

LAT 4031. N LONG 7342. W NO. SPECIES 6 NO. INDIVS 16

TEMPERATURE 17.54 SALINITY 0.0 DISSOLVED OXYGEN 4.20

DIVERSITY 1.5747 EQUITABILITY 0.8788

SPECIES LISTING	TOTAL
NUCULA PROXIMA	2
TELLINA AGILIS	2
NEPHTYS PICTA	7
RHYNCHOCOELA	2
SCOLOPLOS ACUTUS	2
MAGELONA ROSEA	1

STATION 18 DATE 28/08/74 DEPTH (M) 37 GRAB 1

LAT 4031. N LONG 7344. W NO. SPECIES 23 NO. INDIVS 117

TEMPERATURE 16.52 SALINITY 0.0 DISSOLVED OXYGEN 2.40

DIVERSITY 2.5360 EQUITABILITY 0.8248

SPECIES LISTING	TOTAL
RHYNCHOCOELA	1
EDWARDSIA SIPUNCULOIDES	1
PAGURUS LONGICARPUS	1
AMPHIPODA	12
NASSARIUS TRIVITTATUS	2
PITAR MORRHUANA	5
ENSIS DIRECTUS	1
TELLINA AGILIS	11
NUCULA PROXIMA	19
DRILONEREIS LONGA	4
STHENELAIS LIMICOLA	1
NEPHTYS INCISA	1
AGLAOPHAMUS CIRCINATA	7
PHASCOLOSOMA SP.	3
UNCIOLA IRRORATA	1
THARYX ACUTUS	1
GLYCERA DIBRANCHIATA	10
NINOE NIGRIPES	3
AMPELISCA VERRILLI	24
SCOLOPLOS ROBUSTUS	3
AMPHARETE ARCTICA	1
PHERUSA AFFINIS	3
CLYMENELLA TORQUATA	2

****

STATION 19 DATE 28/08/74 DEPTH (M) 35 GRAB 1

LAT 4031. N LONG 7346. W NO. SPECIES 11 NO. INDIVS 22

TEMPERATURE 16.12 SALINITY 0.0 DISSOLVED OXYGEN 2.30

DIVERSITY 2.0700 EQUITABILITY 0.8633

SPECIES LISTING	TOTAL
AGLAOPHAMUS CIRCINATA	4
SPIO FILICORNIS	1
STHENELAIS LIMICOLA	1
PRIONOSPIO STEENSTRUPI	1
DRILONEREIS LONGA	1
HAPLOSCOLOPLOS ROBUSTUS	1
GLYCERA SP.	1
GLYCERA DIBRANCHIATA	7
NUCULA PROXIMA	1
PITAR MORRHUANA	1
TELLINA AGILIS	3

STATION 20 DATE 28/08/74 DEPTH (M) 29 GRAB 1

LAT 4031. N LONG 7348. W NO. SPECIES 12 NO. INDIVS 81

TEMPERATURE 18.21 SALINITY 0.0 DISSOLVED OXYGEN 5.00

DIVERSITY 1.6832 EQUITABILITY 0.6774

SPECIES LISTING	TOTAL
NUCULA PROXIMA	3
TELLINA AGILIS	7
AMPELISCA VERRILLI	40
UNCIOLA IRRORATA	1
PTILANTHURA TRICARINATA	1
AGLAOPHAMUS CIRCINATA	12
PROTODRILUS SYMBIOTICUS	4
SPIO FILICORNIS	1
GLYCERA DIBRANCHIATA	9
ARICIDEA JEFFREYSII	1
SCOLOPLOS ROBUSTUS	1
ASABELLIDES OCULATA	1

****

STATION 21 DATE 28/08/74 DEPTH (M) 46 GRAB 1

LAT 4028. N LONG 7348. W NO. SPECIES 16 NO. INDIVS 193

TEMPERATURE 0.0 SALINITY 0.0 DISSOLVED OXYGEN 1.20

DIVERSITY 2.0305 EQUITABILITY 0.7355

SPECIES LISTING	TOTAL
AMPHARETE ARCTICA	1
SPIOPHANES BOMBYX	1
PRIONOSPIO STEENSTRUPI	3
THARYX ANNULOSUS	8
PHERUSA AFFINIS	12
CERIANTHEOPSIS AMERICANA	31
TELLINA AGILIS	5
ORILONEREIS LONGA	10
THARYX ACUTUS	53
NEPHTYS INCISA	50
YOLDIA LIMATULA	1
NINOE NIGRIPES	1
MEDIOMASTUS AMBISETAE	8
NEMATODA	2
RHYNCHOCOELA	1
LUMBRINERIS TENUIS	6

STATION. 22 DATE 28/08/74 DEPTH (M) 46 GRAB 1

LAT 4026. N LONG 7346. W NO. SPECIES 14 NO. INDIVS 154

TEMPERATURE 14.72 SALINITY 0.0 DISSOLVED OXYGEN 1.40

DIVERSITY 1.7816 EQUITABILITY 0.6751

SPECIES LISTING	TOTAL
THARYX ACUTUS	4
CERIANTHEOPSIS AMERICANA.	22
NEPHTYS INCISA	62
ARICIDEA JEFFREYSII	1
DRILONEREIS LONGA	5
PHERUSA AFFINIS	13
SPIO FILICORNIS	2
LUMBRINERIS TENUIS	7
PITAR MORRHUANA	2
LEPTOCHEIRUS PINGUIS	1
TELLINA AGILIS	1
NINOE NIGRIPES	1
NUCULA PROXIMA	42
PHASCOLOSOMA SP.	1

****

STATION 23 DATE 28/08/74 DEPTH (M) 46 GRAB 1

LAT 4028. N LONG 7344. W NO. SPECIES 18 NO. INDIVS 150

TEMPERATURE 14.76 SALINITY 0.0 DISSOLVED OXYGEN 1.70

DIVERSITY 2.5511 EQUITABILITY 0.8826

SPECIES LISTING	TOTAL
PITAR MORRHUANA	2
NUCULA PROXIMA	20
MEDIOMASTUS AMBISETAE	3
CANCER IRRORATUS	3
TELLINA AGILIS	4
PHERUSA AFFINIS	13
NEPHTYS INCISA	20
CERIANTHEOPSIS AMERICANA	19
NEMATODA	7
PHASCOLOSOMA SP.	15
NINOE NIGRIPES	2
DRILONEREIS LONGA	2
SPIOPHANES BOMBYX	3
PRIONOSPIO MALMGRENI	9
ASABELLIDES OCULATA	1
POLYDORA SP.	1
PHASCOLOSOMA SP.	9
THARYX ACUTUS	22

STATION 24 DATE 28/08/74 DEPTH (M) 41 GRAB 1

LAT 4028. N LONG 7342. W NO. SPECIES 12 NO. INDIVS 36

TEMPERATURE 15.10 SALINITY 0.0 DISSOLVED OXYGEN 2.00

DIVERSITY 2.0111 EQUITABILITY 0.8093

SPECIES LISTING	TOTAL
NEMATODA	1
RHYNCHOCOELA	3
NUCULA PROXIMA	1
GLYCERA DIBRANCHIATA	14
AGLAOPHAMUS CIRCINATA	2
SPIO FILICORNIS	1
ORILONEREIS LONGA	1
NINOE NIGRIPES	2
NOTOCIRRUS SPINIFERUS	1
LUMBRINERIS FRAGILIS	5
AMPELISCA VERRILLI	4
CANCER IRRORATUS	1

****

STATION 25 DATE 29/08/74 DEPTH (M) 39 GRAB 1

LAT 4028. N LONG 7340. W NO. SPECIES 10 NO. INDIVS 49

TEMPERATURE 15.66 SALINITY 0.0 DISSOLVED OXYGEN 3.10

DIVERSITY 1.7804 EQUITABILITY 0.7732

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	5
NEPHTYS BUCERA	2
NEPHTYS PICTA	4
LUMBRINERIS FRAGILIS	2
TELLINA AGILIS	23
GLYCERA DIBRANCHIATA	5
GLYCERA SP.	2
RHYNCHOCOELA	4
POLYCIRRUS SP.	1
CAULLERIELLA SP.	1

STATION 26 DATE 29/08/74 DEPTH (M) 37 GRAB 1

LAT 4028. N LONG 7338. W NO. SPECIES 9 NO. INDIVS 30

TEMPERATURE 15.70 SALINITY 0.0 DISSOLVED OXYGEN 2.20

DIVERSITY 1.9693 EQUITABILITY 0.8963

SPECIES LISTING	TOTAL
RHYNCHOCOELA	1
PHASCOLOSOMA SP.	8
TELLINA AGILIS	3
THARYX ACUTUS	2
LUMBRINERIS FRAGILIS	1
NEPHTYS BUCERA	5
NEPHTYS PICTA	5
AMPHARETE ARCTICA	1
ASTARTE CASTANEA	4

****

STATION 27 DATE 29/08/74 DEPTH (M) 36 GRAB 1

LAT 4025. N LONG 7338. W NO. SPECIES 0 NO. INDIVS 0

TEMPERATURE 16.52 SALINITY 0.0 DISSOLVED OXYGEN 5.40

DIVERSITY 0.0 EQUITABILITY 0.0

****

STATION 28 DATE 29/08/74 DEPTH (M) 42 GRAB 1

LAT 4025. N LONG 7340. W NO. SPECIES 10 NO. INDIVS 36

TEMPERATURE 16.10 SALINITY 0.0 DISSOLVED OXYGEN 3.50

DIVERSITY 2.0201 EQUITABILITY 0.8773

SPECIES LISTING	TOTAL
ASABELLIDES OCULATA	1
GLYCERA DIBRANCHIATA	7
NEMATODA	6
RHYNCHOCOELA	9
NINOE NIGRIPES	3
SPIOPHANES BOMBYX	1
PHASCOLOSOMA SP.	1
LUMBRINERIS FRAGILIS	3
AGLAOPHAMUS SP.	4
PRIONOSPIO STEENSTRUPI	1

STATION 29 DATE 29/08/74 DEPTH (M) 42 GRAB 1

LAT 4025. N LONG 7342. W NO. SPECIES 26 NO. INDIVS 318

TEMPERATURE 14.72 SALINITY 0.0 DISSOLVED OXYGEN 2.10

DIVERSITY 2.3056 EQUITABILITY 0.7076

SPECIES LISTING	TOTAL
THARYX ACUTUS	50
LUMBRINERIS TENUIS	5
ASABELLIDES OCULATA	6
GLYCERA DIBRANCHIATA	2
NINOE NIGRIPES	1
AGLAOPHAMUS CIRCINATA	2
RHYNCHOCOELA	22
CERIANTHEOPSIS AMERICANA	4
PHYLLODOCE ARENAE	5
NEMATODA	2
PAGURUS LONGICARPUS	1
PRIONOSPIO STEENSTRUPI	2
SPIOPHANES BOMBYX	103
AMPHARETE ARCTICA	4
HARMOTHOE EXTENUATA	1
LUMBRINERIS FRAGILIS	6
NEPHTYS PICTA	5
PROTODRILUS SYMBIOTICUS	8
OLIGOCHAETA	22
TELLINA AGILIS	37
ENSIS DIRECTUS	1
ASTARTE CASTANEA	1
LUNATIA HEROS	1
UNCIOLA IRRORATA	2
CANCER IRRORATUS	1
THARYX ANNULOSUS	24

STATION 30 DATE 29/08/74 DEPTH (M) 44 GRAB 1

LAT 4025. N LONG 7344. W NO. SPECIES 16 NO. INDIVS 232

TEMPERATURE 13.90 SALINITY 0.0 DISSOLVED OXYGEN 1.50

DIVERSITY 1.3620 EQUITABILITY 0.4913

SPECIES LISTING	TOTAL
RHYNCHOCOELA	11
CERIANTHEOPSIS AMERICANA	2
TELLINA AGILIS	24
ASTARTE CASTANEA	1
EDOTEA TRILOBA	1
UNCIOLA IRRORATA	7
THARYX ACUTUS	2
SPIO FILICORNIS	1
OLIGOCHAETA	3
DIOPATRA CUPREA	1
HARMOTHOE IMBRICATA	2
ASABELLIDES OCULATA	1
SPIOPHANES BOMBYX	155
GLYCERA DIBRANCHIATA	10
CAPITELLA CAPITATA	7
NEPHTYS PICTA	4

****

STATION 31 DATE 29/08/74 DEPTH (M) 56 GRAB 1

LAT 4025. N LONG 7346. W NO. SPECIES 2 NO. INDIVS 14

TEMPERATURE 12.30 SALINITY 0.0 DISSOLVED OXYGEN 3.50

DIVERSITY 0.6931 EQUITABILITY 1.0000

SPECIES LISTING	TOTAL
CAPITELLA CAPITATA	7
RHYNCHOCOELA	7

STATION 32 DATE 29/08/74 DEPTH (M) 57 GRAB 1

LAT 4025. N LONG 7346. W NO. SPECIES 23 NO. INDIVS 1157

TEMPERATURE 13.50 SALINITY 0.0 DISSOLVED OXYGEN 3.60

DIVERSITY 1.3670 EQUITABILITY 0.4102

SPECIES LISTING	TOTAL
CANCER IRRORATUS	1
PARAONIS GRACILIS	27
POTAMILLA NEGLECTA	3
PHERUSA AFFINIS	15
MYTILUS EDULIS	1
CERIANTHEOPSIS AMERICANA	25
PRIONUSPIO STEENSTRUPI	6
THARYX ACUTUS	79
MEDIOMASTUS AMBISETAE	70
NUCULA PROXIMA	809
NINOE NIGRIPES	4
LUMBRINERIS TENUIS	1
HARMOTHOE EXTENUATA	1
PHASCOLOSOMA SP.	32
POTAMILLA RENIFORMIS	1
MYXICOLA INFUNDIBULUM	1
PHOLOE MINUTA	1
NEPHTYS INCISA	30
OPHIOGLYCERA GIGANTEA	1
COSSURA LONGOCIRRATA	13
HARTMANIA MOOREI	1
PITAR MORRHUANA	5
YOLDIA LIMATULA	4
TELLINA AGILIS	27
CERASTODERMA PINNULATUM	2
UNID BIVALVE #2	4
EDWARDSIA SIPUNCULOIDES	2
NEMATODA	1

STATION 33 DATE 29/08/74 DEPTH (M) 50 GRAB 1

LAT 4025. N LONG 7350. W NO. SPECIES 23 NO. INDIVS 826

TEMPERATURE 11.22 SALINITY 0.0 DISSOLVED OXYGEN 3.40

DIVERSITY 1.3345 EQUITABILITY 0.4256

SPECIES LISTING	TOTAL
AMPHARETE ARCTICA	2
YOLDIA LIMATULA	2
TELLINA AGILIS	3
PERIPLOMA FRAGILIS	1
PHASCOLOSOMA SP.	3
PHERUSA AFFINIS	13
THARYX ACUTUS	77
THARYX ANNULOSUS	27
GONIADELLA GRACILIS	1
RHYNCHOCOELA	3
NEPHTYS INCISA	24
CERIANTHEOPSIS AMERICANA	31
EDWARDSIA SIPUNCULOIDES	1
PITAR MORRHUANA	19
COSSURA LONGOCIRRATA	1
LUCINA SP.	1
NUCULA PROXIMA	568
UNID BIVALVE #2	1
PARAONIS GRACILIS	15
POTAMILLA NEGLECTA	1
MYXICOLA INFUNDIBULUM	1
NINOE NIGRIPES	4
LUMBRINERIS TENUIS	27

****

STATION 34 DATE 29/08/74 DEPTH (M) 37 GRAB 1

LAT 4025. N LONG 7352. W NO. SPECIES 7 NO. INDIVS 9

TEMPERATURE 15.85 SALINITY 0.0 DISSOLVED OXYGEN 2.10

DIVERSITY 1.8892 EQUITABILITY 0.9708

SPECIES LISTING	TOTAL
NEPHTYS PICTA	2
RHYNCHOCOELA	1
CHIRODOTEA TUFTSI	1
DECAPOD	1
TELLINA AGILIS	1
NUCULA PROXIMA	1
NEPHTYS BUCERA	2

STATION 35 DATE 29/08/74 DEPTH (M) 40 GRAB 1

LAT 4025. N LONG 7354. W NO. SPECIES 9 NO. INDIVS 253

TEMPERATURE 13.17 SALINITY 0.0 DISSOLVED OXYGEN 1.60

DIVERSITY 1.0496 EQUITABILITY 0.4777

SPECIES LISTING	TOTAL
PHERUSA AFFINIS	3
NEPHTYS INCISA	25
THARYX ACUTUS	12
NUCULA PROXIMA	185
TELLINA AGILIS	5
PHASCOLOSOMA SP.	1
PITAR MORRHUANA	1
CERIANTHEOPSIS AMERICANA	30
THARYX ANNULOSUS	1

****

STATION 36 DATE 30/08/74 DEPTH (M) 25 GRAB 1

LAT 4025. N LONG 7356. W NO. SPECIES 10 NO. INDIVS 23

TEMPERATURE 16.81 SALINITY 0.0 DISSOLVED OXYGEN 2.60

DIVERSITY 1.9903 EQUITABILITY 0.8644

SPECIES LISTING	TOTAL
SIGALION ARENICOLA	1
LUMBRINERIS ACUTA	2
NEPHTYS BUCERA	2
LUMBRINERIS FRAGILIS	1
TRICHOPHOXUS EPISTOMUS	1
PROTOHAUSTORIUS WIGLEYI	8
TELLINA AGILIS	4
THARYX ACUTUS	1
NUCULA PROXIMA	2
SPISULA SOLIDISSIMA	1

STATION 37 DATE 30/08/74 DEPTH (M) 17 GRAB 1

LAT 4025. N LONG 7357. W NO. SPECIES 23 NO. INDIVS 89

TEMPERATURE 21.09 SALINITY 0.0 DISSOLVED OXYGEN 6.20

DIVERSITY 2.6250 EQUITABILITY 0.8372

SPECIES LISTING	TOTAL
COPEPODA	1
CHIROOTEA CAECA	2
PHOXOCEPHALUS HOLBOLLI	1
NEOMYSIS AMERICANA	3
PROTOHAUSTORIUS SP.	1
NEPHTYS PICTA	3
RHYNCHOCOELA	1
PAGURUS LONGICARPUS	1
TELLINA AGILIS	1
DECAPOD	1
SPISULA SOLIDISSIMA	2
PROTODRILUS SYMBIOTICUS	1
CAULLERIELLA SP.	1
OLIGOCHAETA	17
ASTARTE CASTANEA	1
HEMIPODUS ARMATUS	14
GONIADELLA GRACILIS	3
SIGALION ARENICOLA	4
SYLLIDES LONGOCIRRATA	2
POLYDORA LIGNI	11
THARYX ACUTUS	2
ARICIDEA JEFFREYSII	7
NEMATODA	9

****

STATION 38 DATE 30/08/74 DEPTH (M) 21 GRAB 1

LAT 4022. N LONG 7357. W NO. SPECIES 10 NO. INDIVS 30

TEMPERATURE 20.16 SALINITY 0.0 DISSOLVED OXYGEN 4.50

DIVERSITY 2.0226 EQUITABILITY 0.8784

SPECIES LISTING	TOTAL
LUMBRINERIS FRAGILIS	1
NUCULA PROXIMA	1
PROTOHAUSTORIUS DEICHMANNAE	7
OVALIPES OCELLATUS	1
TELLINA AGILIS	2
TRAVISIA CARNEA	3
NEPHTYS SOCERA	5
THARYX ANNULOSUS	1
SPISULA SOLIDISSIMA	7
PHASCOLOSOMA SP.	2

STATION 39 DATE 30/08/74 DEPTH (M) 29 GRAB 1

LAT 4022. N LONG 7356. W NO. SPECIES 18 NO. INDIVS 158

TEMPERATURE 16.70 SALINITY 0.0 DISSOLVED OXYGEN 2.20

DIVERSITY 1.9390 EQUITABILITY 0.6708

SPECIES LISTING	TOTAL
LUMBRINERIS TENUIS	1
TELLINA AGILIS	42
PHASCOLOSOMA SP.	2
RHYNCHOCOELA	12
PSEUDONCIOLA OBLIQUUA	7
ASABELLIDES OCULATA	1
PHYLLODOCE ARENAE	1
POLYDORA LIGNI	1
HAPLOSCOLOPLOS ROBUSTUS	2
PROTOHAUSTORIUS WIGLEYI	5
NUCULA PROXIMA	5
SPIOPHANES BOMBYX	61
CAULLERIELLA SP.	3
CRANGON SEPTEMSPINOSA	1
GLYCERA DIBRANCHIATA	2
ARICIDEA JEFFREYSII	5
TRAVISIA CARNEA	1
TRICHOPHOXUS EPISTOMUS	6

****

STATION 40 DATE 30/08/74 DEPTH (M) 36 GRAB 1

LAT 4022. N LONG 7354. W NO. SPECIES 14 NO. INDIVS 51

TEMPERATURE 14.40 SALINITY 0.0 DISSOLVED OXYGEN 1.40

DIVERSITY 2.2150 EQUITABILITY 0.8393

SPECIES LISTING	TOTAL
GLYCERA DIBRANCHIATA	4
LUMBRINERIS FRAGILIS	1
THARYX ANNULOSUS	1
POTAMILLA NEGLECTA	1
AGLAOPHAMUS CIRCINATA	6
NEPHTYS BUCERA	8
NUCULA PROXIMA	1
SPISULA SOLIDISSIMA	2
TELLINA AGILIS	14
PHASCOLOSOMA SP.	4
CERIANTHEOPSIS AMERICANA	1
SPIOPHANES BOMBYX	1
CAULLERIELLA SP.	6
SCOLOPLOS ARMIGER	1

STATION 41 DATE 30/08/74 DEPTH (M) 44 GRAB 1

LAT 4022. N LONG 7352. W NO. SPECIES 25 NO. INDIVS 147

TEMPERATURE 10.99 SALINITY 0.0 DISSOLVED OXYGEN 4.00

DIVERSITY 2.3002 EQUITABILITY 0.7146

SPECIES LISTING	TOTAL
COPEPODA	1
EDOTEA TRILOBA	1
RHYNCHOCOELA	5
PHASCOLOSOMA SP.	1
PHYLLODOCE ARENAE	2
SPIO FILICORNIS	17
PRIONOSPIO STEENSTRUPI	2
AMPHARETE ARCTICA	1
NEPHTYS PICTA	1
NEPHTYS BUCERA	1
THARYX ACUTUS	58
CHAETOZONE SETOSA	3
MEDIOMASTUS AMBISETAE	2
ORILONEREIS LONGA	1
LUMBRINERIS TENUIS	10
LUMBRINERIS FRAGILIS	3
ONCIOLA IRRORATA	5
SPISULA SOLIDISSIMA	1
TELLINA AGILIS	13
PITAR MORRHUANA	1
GLYCERA SP.	2
NINOE NIGRIPES	2
ANNELIDA	2
GLYCERA DIBRANCHIATA	10
CERIANTHEOPSIS AMERICANA	2

STATION 42 DATE 30/08/74 DEPTH (M) 47 GRAB 1

LAT 4022. N LONG 7350. W NO. SPECIES 22 NO. INDIVS 174

TEMPERATURE 10.99 SALINITY 0.0 DISSOLVED OXYGEN 3.90

DIVERSITY 1.9659 EQUITABILITY 0.6360

SPECIES LISTING	TOTAL
LUMBRINERIS TENUIS	2
NEPHTYS INCISA	21
THARYX ANNULOSUS	1
GLYCERA DIBRANCHIATA	1
NINOE NIGRIPES	5
LEPTOCHEIRUS PINGUIS	1
ENSIS DIRECTUS	1
THARYX ACUTUS	10
UNCIOLA IRRORATA	1
MEDIOMASTUS AMBISETAE	1
TELLINA AGILIS	3
CERASTODERMA PINNULATUM	2
PITAR MORRHUANA	8
NUCULA PROXIMA	87
PRIONOSPIO STEENSTRUPI	10
SPIOPHANES BOMBYX	2
PHERUSA AFFINIS	4
SPIO FILICORNIS	1
POTAMILLA NEGLECTA	1
AMPHARETE ARCTICA	2
CERIANTHEOPSIS AMERICANA	3
EDWARDSIA SIPUNCULOIDES	2

STATION 43 DATE 30/08/74 DEPTH (M) 62 GRAB 1

LAT 4022. N LONG 7348. W NO. SPECIES 14 NO. INDIVS 691

TEMPERATURE 12.63 SALINITY 0.0 DISSOLVED OXYGEN 4.20

DIVERSITY 0.5947 EQUITABILITY 0.2632

SPECIES LISTING	TOTAL
MEDIOMASTUS AMBISETAE	1
CERASTODERMA PINNULATUM	3
CERIANTHEOPSIS AMERICANA	32
NEPHTYS INCISA	16
NINOE NIGRIPES	3
BIVALVIA	4
LUCINA SP.	1
ORILONEREIS LONGA	5
LUMBRINERIS TENUIS	21
NUCULA PROXIMA	592
YOLDIA LIMATULA	8
EDWARDSIA SIPUNCULOIDES	2
RHYNCHOCOELA	1
PHERUSA AFFINIS	2

STATION 44 DATE 30/08/74 DEPTH (M) 27 GRAB 1

LAT 4019. N LONG 7356. W NO. SPECIES 23 NO. INDIVS 119

TEMPERATURE 16.18 SALINITY 0.0 DISSOLVED OXYGEN 2.00

DIVERSITY 2.4997 EQUITABILITY 0.7972

SPECIES LISTING	TOTAL
THARYX ACUTUS	18
GONIADELLA GRACILIS	1
ARICIDEA JEFFREYSII	9
EXOGONE HEBES	1
OLIGOCHAETA	26
PROTODRILUS SYMBIOTICUS	22
MEDIOMASTUS AMBISETAE	1
NEREIS GRAYI	1
NUCULA PROXIMA	6
AMPELISCA VERRILLI	7
TELLINA AGILIS	3
DRILONEREIS LONGA	2
PRIONOSPIO STEENSTRUPI	1
POLYDORA LIGNI	1
SPIO FILICORNIS	3
AMPHARETE ARCTICA	2
GLYCERA DIBRANCHIATA	2
NEPHTYS PICTA	2
AGLAOPHAMUS CIRCINATA	1
SCALIBREGMA INFLATUM	1
RHYNCHOCOELA	3
LUMBRINERIS FRAGILIS	4
HAPLOSCOLOPLUS FRAGILIS	2

****

STATION 45 DATE 30/08/74 DEPTH (M) 19 GRAB 1

LAT 4019. N LONG 7358. W NO. SPECIES 8 NO. INDIVS 15

TEMPERATURE 23.06 SALINITY 0.0 DISSOLVED OXYGEN 9.90

DIVERSITY 1.8065 EQUITABILITY 0.8687

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	2
SPIOPHANES BOMBYX	1
LUMBRINERIS FRAGILIS	1
PROTOHAUSTORIUS WIGLEYI	1
TELLINA AGILIS	6
RHYNCHOCOELA	2
NEPHTYS PICTA	1
GLYCERA DIBRANCHIATA	1

STATION 46 DATE 30/08/74 DEPTH (M) 23 GRAB 1

LAT 4016. N LONG 7358. W NO. SPECIES 14 NO. INDIVS 95

TEMPERATURE 17.99 SALINITY 0.0 DISSOLVED OXYGEN 3.40

DIVERSITY 1.3367 EQUITABILITY 0.6960

SPECIES LISTING	TOTAL
PARADNIS LYRA	1
ARICIDEA JEFFREYSII	10
NEPHTYS BUCERA	3
HEMIPODUS ARMATUS	10
GONIADELLA GRACILIS	29
THARYX ACUTUS	1
MAGELONA ROSEA	1
ASTARTE CASTANEA	31
PHASCOLOSOMA SP.	1
RHYNCHOCOELA	1
GLYCERA ROBUSTA	1
LUMBRINERIS FRAGILIS	2
OLIGOCHAETA	1
OPHELIA DENTICULATA	3

STATION 47 DATE 30/08/74 DEPTH (M) 26 GRAB 1

LAT 4016. N LONG 7356. W NO. SPECIES 26 NO. INDIVS 205

TEMPERATURE 16.03 SALINITY 0.0 DISSOLVED OXYGEN 1.70

DIVERSITY 2.0977 EQUITABILITY 0.6438

SPECIES LISTING	TOTAL
NEMATODA	107
POLYDORA LIGNI	3
STAURONEREIS CAECUS	2
OPHELIA DENTICULATA	1
MICROPHTHALMUS ABBERRANS	2
EUSYLLIS BLOMSTRANDI	1
GONIADELLA GRACILIS	8
HEMIPODUS ARMATUS	6
PARADONIS LYRA	4
NEPHTYS BUCERA	3
LUMBRINERIS FRAGILIS	1
LUMBRINERIS TENUIS	2
LUMBRINERIS ACUTA	10
CERIANTHEOPSIS AMERICANA	1
PHASCOLOSOMA SP.	3
ARICIDEA JEFFREYSII	3
ASTARTE CASTANEA	7
BIVALVIA	3
BIVALVIA	2
JNCIDLA IRRORATA	5
CREPIDULA SP.	6
NUCULA PROXIMA	2
POLYDORA AGGREGATA	1
PISIONE REMOTA	11
PROTODRILUS SYMBIOTICUS	10
COPEPODA	1

STATION 43 DATE 31/08/74 DEPTH (M) 37 GRAB 1

LAT 4013. N LONG 7356. W NO. SPECIES 17 NO. INDIVS 548

TEMPERATURE 15.35 SALINITY 0.0 DISSOLVED OXYGEN 1.10

DIVERSITY 1.1426 EQUITABILITY 0.4033

SPECIES LISTING	TOTAL
UNCIOLA IRRORATA	1
THARYX ACUTUS	389
ARICIDEA JEFFREYSII	39
CONIADELLA GRACILIS	1
ORILONEREIS LONGA	1
LUMBRINERIS ACUTA	1
AMPHARETE ARCTICA	3
LUMBRINERIS FRAGILIS	42
LUMBRINERIS TENUIS	10
CERIANTHEOPSIS AMERICANA	7
RHYNCHOCOELA	1
PHERUSA AFFINIS	1
SPIO FILICORNIS	2
PHASCOLOSOMA SP.	1
GLYCERA SP.	2
OLIGOCHAETA	43
PROTODRILUS SYMBIOTICUS	4

STATION 49 DATE 31/08/74 DEPTH (M) 30 GRAB 1

LAT 4013. N LONG 7358. W NO. SPECIES 27 NO. INDIVS 192

TEMPERATURE 17.15 SALINITY 0.0 DISSOLVED OXYGEN 1.70

DIVERSITY 2.3806 EQUITABILITY 0.7223

SPECIES LISTING	TOTAL
LUMBRINERIS FRAGILIS	10
POLYDORA LIGNI	1
SPIO FILICORNIS	1
NEPHTYS PICTA	3
SPIOPHANES BOMBYX	5
NEREIS GRAYI	1
ASABELLIDES OCULATA	4
MICROPHTHALMUS ABBERRANS	4
NUCULA PROXIMA	2
PRIONOSPIO MALMGRENI	1
GLYCERA DIBRANCHIATA	2
GLYCERA AMERICANA	1
PROTODRILUS SYMBIOTICUS	74
OLIGOCHAETA	4
AMPHARETE ARCTICA	3
NEMATODA	7
PARAONIS LYRA	10
ARICIDEA JEFFREYSII	21
THARYX ACUTUS	5
HARMOTHOE EXTENUATA	2
HEMIPODUS ARMATUS	1
UNCIOLA IRRORATA	1
CANCER IRRORATUS	2
GONIADELLA GRACILIS	19
ASTARTE CASTANEA	5
SPISULA SOLIDISSIMA	2
PHASCOLOSOMA SP.	1

****

STATION 50 DATE 31/08/74 DEPTH (M) 24 GRAB 1

LAT 4013. N LONG 7359. W NO. SPECIES 6 NO. INDIVS 15

TEMPERATURE 20.65 SALINITY 0.0 DISSOLVED OXYGEN 4.30

DIVERSITY 1.5427 EQUITABILITY 0.8610

SPECIES LISTING	TOTAL
SPISULA SOLIDISSIMA	5
RHYNCHOCOELA	2
NEPHTYS BUCERA	1
NEPHTYS PICTA	1
TELLINA AGILIS	5
SCOLOPLOS ROBUSTUS	1

STATION 51 DATE 31/08/74 DEPTH (M) 25 GRAB 1

LAT 4010. N LONG 7356. W NO. SPECIES 5 NO. INDIVS 26

TEMPERATURE 17.16 SALINITY 0.0 DISSOLVED OXYGEN 0.90

DIVERSITY 1.2942 EQUITABILITY 0.8041

SPECIES LISTING	TOTAL
LUMBRINERIS FRAGILIS	2
RHYNCHOCINELA	3
PHASCOLOSOMA SP.	14
TELLINA AGILIS	2
NEPHTYS BUCERA	5

****

STATION 52 DATE 31/08/74 DEPTH (M) 50 GRAB 1

LAT 4022. N LONG 7346. W NO. SPECIES 0 NO. INDIVS 0

TEMPERATURE 18.00 SALINITY 0.0 DISSOLVED OXYGEN 4.00

DIVERSITY 0.0 EQUITABILITY 0.0

STATION 53 DATE 31/08/74 DEPTH (M) 54 GRAB 1

LAT 4019. N LONG 7345. W NO. SPECIES 25 NO. INDIVS 406

TEMPERATURE 15.08 SALINITY 0.0 DISSOLVED OXYGEN 2.20

DIVERSITY 1.9057 EQUITABILITY 0.5920

SPECIES LISTING	TOTAL
NINOE NIGRIPES	41
LUMBRINERIS TENUIS	5
ASABELLIDES OCULATA	2
OPHIOGLYCERA GIGANTEA	1
PHERUSA AFFINIS	2
LUMBRINERIS FRAGILIS	1
MEDIOMASTUS AMBISETAE	7
SPIOPHANES BOMBYX	138
PARANAITIS KOSTERIENSIS	1
CERIANTHEOPSIS AMERICANA	3
RHYNCHOCOELA	11
SPIO FILICORNIS	12
PHYLLODOCE ARENAE	1
AGLAOPHAMUS CIRCINATA	1
ORILONEREIS LONGA	1
THARYX ANNULOSUS	2
PRIONOSPIO STEENSTRUPI	131
AMPHARETE ARCTICA	2
LEPTOCHEIRUS PINGUIS	1
CANCER IRRORATUS	1
POLYDORA SP.	2
PITAR MORRHUANA	6
NUCULA PROXIMA	23
PHASCOLOSOMA SP.	1
GLYCERA DIBRANCHIATA	10

STATION 54 DATE 31/08/74 DEPTH (M) 77 GRAB 1

LAT 4019. N LONG 7348. W NO. SPECIES 20 NO. INDIVS 257

TEMPERATURE 11.62 SALINITY 0.0 DISSOLVED OXYGEN 2.20

DIVERSITY 2.1528 EQUITABILITY 0.7186

SPECIES LISTING	TOTAL
LEPTOCHEIRUS PINGUIS	1
YOLDIA LIMATULA	1
PHASCOLOSOMA SP.	4
EDWARDSIA SIPUNCULOIDES	4
NUCULA PROXIMA	56
PARAONIS GRACILIS	1
ORILONEREIS LONGA	9
MEDIOMASTUS AMBISETAE	16
PHYLLODOCE MUCOSA	2
NEPHTYS INCISA	5
LUMBRINERIS TENUIS	8
NINOE NIGRIPES	10
RHYNCHOCOELA	7
NUCULA DELPHINODONTA	58
NEREIS GRAYI	1
PRIONOSPIO STEENSTRUPI	2
SPIOPHANES BOMBYX	1
CERIANTHEOPSIS AMERICANA	12
RHODINE LOVENI	1
PHERUSA AFFINIS	68

STATION 35 DATE 31/08/74 DEPTH (M) 47 GRAB 1

LAT 4019. N LONG 7350. W NO. SPECIES 15 NO. INDIVS 44

TEMPERATURE 12.90 SALINITY 0.0 DISSOLVED OXYGEN 2.90

DIVERSITY 2.1339 EQUITABILITY 0.7880

SPECIES LISTING	TOTAL
LEPTOCHEIRUS PINGUIS	1
LUMBRINERIS TENUIS	8
THARYX ANNULOSUS	1
LUMBRINERIS ACUTA	1
PRIONOSPIO STEENSTRUPI	2
SPIO FILICORNIS	1
THARYX ACUTUS	3
CLYMENELLA TORQUATA	1
RHYNCHOCOELA	4
POTAMILLA NEGLECTA	1
GLYCERA DIBRANCHIATA	16
TELLINA AGILIS	1
NUCULA DELPHINODONTA	1
UNCIOLA INERMIS	1
UNCIOLA IRRORATA	2

STATION 55 DATE 01/09/74 DEPTH (M) 46 GRAB 1

LAT 4015. N LONG 7350. W NO. SPECIES 26 NO. INDIVS 252

TEMPERATURE 12.49 SALINITY 0.0 DISSOLVED OXYGEN 4.10

DIVERSITY 2.0738 EQUITABILITY 0.6380

SPECIES LISTING	TOTAL
LUMBRINERIS FRAGILIS	51
LUMBRINERIS TENUIS	2
NINOE NIGRIPES	6
RHYNCHOCOELA	1
EDWARDSIA SIPUNCULOIDES	1
AGLAOPHAMUS CIRCINATA	4
GLYCERA DIBRANCHIATA	3
CANCER IRRORATUS	1
UNCIOLA INERMIS	1
PHASCOLOSOMA SP.	1
NUCULA PROXIMA	22
ASTARTE UNDATA	1
THARYX ACUTUS	81
GONIADELLA GRACILIS	1
ORILONEREIS LONGA	4
MEDIOMASTUS AMBISETAE	2
NEREIS GRAYI	1
THARYX ANNULOSUS	6
POLYDORA CONCHARUM	1
PRIONOSPIO STEENSTRUPI	50
SPIOPHANES BOMBYX	1
SPIO FILICORNIS	2
PHOXOCEPHALUS HOLBOLLI	2
OPHIOGLYCERA GIGANTEA	1
PROTODRILUS SYMBIOTICUS	5
ARICIDEA JEFFREYSII	1

STATION 57 DATE 01/09/74 DEPTH (M) 52 GRAB 1

LAT 4016. N LONG 7348. W NO. SPECIES 17 NO. INDIVS 126

TEMPERATURE 12.44 SALINITY 0.0 DISSOLVED OXYGEN 3.10

DIVERSITY 2.1570 EQUITABILITY 0.7613

SPECIES LISTING	TOTAL
LUMBRINERIS TENUIS	3
EUCHONE RUBROCINCTA	1
PHYLLODOCE ARENAE	3
CERIANTHEOPSIS AMERICANA	1
RHYNCHOCOELA	3
SPIO FILICORNIS	2
SPIOPHANES BOMBYX	17
UNCIOLA IRRORATA	38
TRICHOPHOXUS EPISTOMUS	2
CANCER IRRORATUS	1
NUCULA PROXIMA	3
LUMBRINERIS FRAGILIS	12
NINOE NIGRIPES	1
SCALIBREGMA INFLATUM	11
PRIONOSPIO STEENSTRUPI	2
GLYCERA DIBRANCHIATA	24
CLYMENELLA TORQUATA	2

STATION 58 DATE 01/09/74 DEPTH (M) 88 GRAB 1

LAT 4016. N LONG 7346. W NO. SPECIES 29 NO. INDIVS 555

TEMPERATURE 10.21 SALINITY 0.0 DISSOLVED OXYGEN 4.70

DIVERSITY 1.6833 EQUITABILITY 0.4999

SPECIES LISTING	TOTAL
LUMBRINERIS FRAGILIS	1
RHYNCHOCOELA	16
PHERUSA AFFINIS	12
THARYX ANNULOSUS	1
NEMATODA	1
SPIOPHANES BOMBYX	221
PRIONOSPIO STEENSTRUPI	5
LAONICE CIRRATA	1
CERIANTHEOPSIS AMERICANA	7
NEPHTYS INCISA	1
DRILONEREIS LONGA	8
PHOLOE MINUTA	2
PHOXOCEPHALUS HOLBOLLI	1
LEPTOCHEIRUS PINGUIS	3
CRANGON SEPTEMSPINOSA	1
NUCULA PROXIMA	1
UNID BIVALVE #2	4
PITAR MORRHUANA	3
PARAONIS GRACILIS	2
NINOE NIGRIPES	24
POTAMILLA NEGLECTA	1
GLYCERA ROBUSTA	2
GLYCERA DIBRANCHIATA	2
PHYLLODOCE ARENAE	1
AMPHARETE ARCTICA	4
CIROLANA POLITA	1
MEDIOMASTUS AMBISETAE	207
EDWARDSIA SIPUNCULOIDES	1
AMPELISCA ABDITA	21

STATION 59 DATE 01/09/74 DEPTH (M) 57 GRAB 1

LAT 4016. N LONG 7344. W NO. SPECIES 19 NO. INDIVS 217

TEMPERATURE 14.30 SALINITY 0.0 DISSOLVED OXYGEN 4.90

DIVERSITY 2.0654 EQUITABILITY 0.7015

SPECIES LISTING	TOTAL
GLYCERA DIBRANCHIATA	12
NUCULA PROXIMA	1
AMPELISCA VERRILLI	10
LEPTOCHEIRUS PINGUIS	22
THARYX ANNULOSUS	3
SPIO FILICORNIS	7
AMPHARETE ARCTICA	1
CLYMENELLA TORQUATA	1
PHERUSA AFFINIS	3
EUCHONE RUBROCINCTA	1
PRIONOSPIO STEENSTRUPI	85
SPIOPHANES BOMBYX	37
PHYLLODOCE MUCOSA	1
PHASCOLOSOMA SP.	3
RHYNCHOCOELA	9
LUMBRINERIS FRAGILIS	2
NINOE NIGRIPES	14
SCOLOPLOS ROBUSTUS	1
ORILONEREIS LONGA	4

****

STATION 60 DATE 01/09/74 DEPTH (M) 47 GRAB 1

LAT 4016. N LONG 7342. W NO. SPECIES 13 NO. INDIVS 42

TEMPERATURE 14.07 SALINITY 0.0 DISSOLVED OXYGEN 5.30

DIVERSITY 2.3929 EQUITABILITY 0.9329

SPECIES LISTING	TOTAL
TRICHOPHOXUS EPISTOMUS	2
ORILONEREIS LONGA	1
TELLINA AGILIS	2
NUCULA PROXIMA	1
PITAR MORRHUANA	5
GLYCERA DIBRANCHIATA	8
AMPHARETE ARCTICA	3
LUMBRINERIS TENUIS	1
THARYX ACUTUS	3
AGLAOPHAMUS CIRCINATA	5
PHASCOLOSOMA SP.	4
PHERUSA AFFINIS	3
RHYNCHOCOELA	4

STATION 61 DATE 01/09/74 DEPTH (M) 52 GRAB 1

LAT 4013. N LONG 7338. W NO. SPECIES 18 NO. INDIVS 68

TEMPERATURE 0.0 SALINITY 0.0 DISSOLVED OXYGEN 4.20

DIVERSITY 2.4952 EQUITABILITY 0.8626

SPECIES LISTING	TOTAL
UNCIOLA IRRORATA	2
NUCULA PROXIMA	5
ARCTICA ISLANDICA	3
PHYLLODOCE ARENAE	4
SPIOPHANES BOMBYX	19
PRIONOSPIO STEENSTRUPI	2
DRILONEREIS LONGA	1
NINOE NIGRIPES	6
LUMBRINERIS TENUIS	1
CLYMENELLA TORQUATA	3
GLYCERA SP.	5
AGLAOPHAMUS CIRCINATA	1
SPIO FILICORNIS	2
ARICIDEA JEFFREYSII	2
PROTOHADSTORIUS WIGLEYI	1
PITAR MORRHUANA	1
RHYNCHOCOELA	3
GLYCERA DIBRANCHIATA	7

STATION 62 DATE 01/09/74 DEPTH (M) 60 GRAB 1

LAT 4013. N LONG 7340. W NO. SPECIES 19 NO. INDIVS 74

TEMPERATURE 11.52 SALINITY 0.0 DISSOLVED OXYGEN 4.40

DIVERSITY 2.4339 EQUITABILITY 0.8266

SPECIES LISTING	TOTAL
PRIONOSPIO STEENSTRUPI	19
HAPLOSCOLOPLOS FRAGILIS	3
GLYCERA DIBRANCHIATA	11
STHENELAIS LIMICOLA	1
SPIOPHANES BOMBYX	5
CRANGON SEPTEMSPINOSA	2
AMPELISCA VERRILLI	1
LEPTOCHEIRUS PINGUIS	1
BIVALVIA	2
ARCTICA ISLANDICA	1
PITAR MORRHUANA	1
NUCULA PROXIMA	3
RHYNCHOCOELA	3
NINOE NIGRIPES	12
PALAEMONETES SP.	1
AMPHARETE ARCTICA	2
ORIEONEREIS LONGA	2
PHYLLODOCE ARENAE	2
SPIO FILICORNIS	2

STATION 63 DATE 01/09/74 DEPTH (M) 57 GRAB 1

LAT 4013. N LONG 7342. W NO. SPECIES 20 NO. INDIVS 348

TEMPERATURE 11.27 SALINITY 0.0 DISSOLVED OXYGEN 4.80

DIVERSITY 0.6322 EQUITABILITY 0.2010

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
NUCULA PROXIMA	1
RHYNCHOCOELA	2
CERASTODERMA PINNULATUM	3
CRENELLA GLANDULA	2
LUMBRINERIS ACUTA	1
GLYCERA SP.	1
AGLAOPHAMUS CIRCINATA	2
EXOGONE HEBES	2
NEPHTYS BUCERA	1
SOMIADELLA GRACILIS	1
SPIOPHANES BOMBYX	6
ENSIS DIRECTUS	1
EDOTEA TRILOBA	3
UNCIOLA IRRORATA	312
NASSARIUS TRIVITTATUS	1
LUMBRINERIS FRAGILIS	1
STHENELAIS LIMICOLA	1
CLYMENELLA TORQUATA	4
POLYCIRRUS SP.	1

STATION 6+ DATE 01/09/74 DEPTH (M) 62 GRAB 1

LAT 4013. N LONG 7344. W NO. SPECIES 29 NO. INDIVS 516

TEMPERATURE 11.72 SALINITY 0.0 DISSOLVED OXYGEN 4.10

DIVERSITY 1.2422 EQUITABILITY 0.3689

SPECIES LISTING	TOTAL
PHOLOE MINUTA	1
CIROLANA POLITA	1
PROTODRILUS SYMBIOTICUS	2
PHOXOCEPHALUS HOLBOLLI	5
TRICHOPHOXUS EPISTOMUS	18
UNCIOLA INERMIS	382
HEMIPODUS ARMATUS	1
GONIADELLA GRACILIS	7
LEIOCHONE DISPAR	19
CLYMENELLA TORQUATA	37
CRANGON SEPTEMSPINOSA	3
EUCHONE RUBROCINCTA	6
NEPHTYS PICTA	1
NINOE NIGRIPES	1
PRIONOSPIO MALMGRENI	1
SPIOPHANES BOMBYX	4
RHYNCHOCOELA	1
DRILONEREIS LONGA	1
SCALIBREGMA INFLATUM	1
LUMBRINERIS ACUTA	7
CANCER IRRORATUS	2
GLYCERA DIBRANCHIATA	4
GLYCERA SP.	3
PHYLLODOCE ARENAE	1
AMPHARETE ARCTICA	2
AGLAOPHAMUS CIRCINATA	1
LUNATIA HEROS	1
PHASCOLOSOMA SP.	2
CERASTODERMA PINNULATUM	1

STATION 65 DATE 01/09/74 DEPTH (M) 103 GRAB 1

LAT 4013. N LONG 7346. W NO. SPECIES 16 NO. INDIVS 80

DIVERSITY 2.3851 EQUITABILITY 0.8603

SPECIES LISTING	TOTAL
YOLDIA LIMATULA	7
NEPHTYS INCISA	3
CERIANTHEOPSIS AMERICANA	2
RHYNCHOCOELA	6
ONCIOLA IRRORATA	1
EDOTEA TRILOBA	2
NUCULA DELPHINODONTA	5
NUCULA PROXIMA	1
PHASCOLOSOMA SP.	4
RHODINE LOVENI	9
LUMBRINERIS TENUIS	11
DRILONEREIS LONGA	7
ASABELLIDES OCULATA	1
ETEONE LONGA	1
HARMOTHOE IMBRICATA	1
MEDIOMASTUS AMBISETAE	19

STATION 70 DATE 02/09/74 DEPTH (M) 34 GRAB 1

LAT 4016. N LONG 7354. W NO. SPECIES 22 NO. INDIVS 155

TEMPERATURE 18.80 SALINITY 0.0 DISSOLVED OXYGEN 3.30

DIVERSITY 2.5164 EQUITABILITY 0.8147

SPECIES LISTING	TOTAL
NEPHTYS PICTA	1
NEMATODA	6
THARYX ANNULOSUS	11
GONIADELLA GRACILIS	14
LUMBRINERIS FRAGILIS	1
PHYLLODOCE ARENAE	2
THARYX ACUTUS	16
PARADNIS LYRA	2
TELLINA AGILIS	2
CRENELLA GLANDULA	3
ASTARTE CASTANEA	2
PHASCOLOSOMA SP.	12
LUMBRINERIS ACUTA	21
EXOGONE HEBES	2
LEPTOGNATHA CAECA	5
CANCER IRRORATUS	1
NASSARIUS TRIVITTATUS	1
ASABELLIDES OCULATA	1
SPIOPHANES BOMBYX	1
CHIROTOTEA TUFISI	2
PROTODRILUS SYMBIOTICUS	27
COPEPODA	2

****

STATION 71 DATE 02/09/74 DEPTH (M) 35 GRAB 1

LAT 4019. N LONG 7354. W NO. SPECIES 12 NO. INDIVS 23

TEMPERATURE 0.0 SALINITY 0.0 DISSOLVED OXYGEN 2.70

DIVERSITY 2.3409 EQUITABILITY 0.9421

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	5
RHYNCHOCOELA	1
AGLAOPHAMUS CIRCINATA	1
THARYX ACUTUS	1
GLYCERA DIBRANCHIATA	2
GONIADELLA GRACILIS	2
PSEUDUNCIOLA OBLIQUUA	1
TRICHOPHOXUS EPISTOMUS	2
TELLINA AGILIS	2
PHASCOLOSOMA SP.	3
SIGALION ARENICOLA	1
LUMBRINERIS FRAGILIS	2

STATION 74 DATE 02/09/74 DEPTH (M) 42 GRAB 1

LAT 4016. N LONG 7352. W NO. SPECIES 20 NO. INDIVS 753

TEMPERATURE 14.71 SALINITY 0.0 DISSOLVED OXYGEN 3.30

DIVERSITY 1.0481 EQUITABILITY 0.3499

SPECIES LISTING	TOTAL
ONCIOLA IRRORATA	1
CAULLERIELLA KILLARIENSIS	1
THARYX ANNULOSUS	3
PROTODRILUS SYMBIOTICUS	26
OLIGOCHAETA	11
STAURONEREIS CAECUS	1
ORIONEREIS LONGA	1
LUMBRINERIS TENUIS	16
LEIOCHONE DISPAR	1
SYLLIS CORNUTA	2
NEMATODA	1
THARYX ACUTUS	579
NEREIS GRAYI	2
LUMBRINERIS FRAGILIS	9
PRIONOSPIO STEENSTRUPI	49
MEDIOMASTUS AMBISETAE	24
SONIADELLA GRACILIS	3
SPIO FILICORNIS	1
PHOLOE MINUTA	1
ARICIDEA JEFFREYSII	21

STATION 75 DATE 02/09/74 DEPTH (M) 37 GRAB 1

LAT 4019. N LONG 7352. W NO. SPECIES 28 NO. INDIVS 274

TEMPERATURE 15.42 SALINITY 0.0 DISSOLVED OXYGEN 2.50

DIVERSITY 2.4273 EQUITABILITY 0.7286

SPECIES LISTING	TOTAL
PITAR MORRHUANA	1
POLYCIRRUS MEDUSA	4
PHERUSA AFFINIS	6
HARMOTHOE EXTENUATA	1
NEREIS GRAYI	6
SPIO FILICORNIS	4
LUMBRINERIS FRAGILIS	5
LUMBRINERIS TENUIS	3
PHOLOE MINUTA	1
NINOE NIGRIPES	56
PHASCOLOSOMA SP.	6
SPISULA SOLIDISSIMA	1
CERASTODERMA PINNULATUM	2
CANCER IRRORATUS	2
LEPTOCHEIRUS PINGUIS	1
COPEPODA	4
NUCULA PROXIMA	12
POTAMILLA NEGLECTA	4
MEDIOMASTUS AMBISETAE	4
OLIGOCHAETA	22
THARYX ACUTUS	12
GONIADELLA GRACILIS	1
PRIONOSPIO STEENSTRUPI	84
ETEONE LONGA	1
CERIANTHEOPSIS AMERICANA	5
NEMATODA	2
NEPHTYS INCISA	19
ARICIDEA JEFFREYSII	5

STATION 81 DATE 03/09/74 DEPTH (M) 37 GRAB 1

LAT 4010. N LONG 7354. W NO. SPECIES 9 NO. INDIVS 15

TEMPERATURE 17.19 SALINITY 0.0 DISSOLVED OXYGEN 2.10

DIVERSITY 2.0611 EQUITABILITY 0.9381

SPECIES LISTING	TOTAL
GONIADELLA GRACILIS	2
PROTODRILUS SYMBIOTICUS	1
HEMIPODUS ARMATUS	2
MICROPHTHALMUS ABERRANS	2
STAURONEREIS CAECUS	1
LUMBRINERIS ACUTA	4
OPHELIA DENTICULATA	1
PHASCOLOSOMA SP.	1
POLYDORA LIGNI	1

****

STATION 83 DATE 05/09/74 DEPTH (M) 43 GRAB 1

LAT 4022. N LONG 7344. W NO. SPECIES 5 NO. INDIVS 10

TEMPERATURE 21.00 SALINITY 0.0 DISSOLVED OXYGEN 7.40

DIVERSITY 1.4185 EQUITABILITY 0.8814

SPECIES LISTING	TOTAL
TRAVISIA CARNEA	1
GLYCERA DIBRANCHIATA	4
LUMBRINERIS FRAGILIS	1
THARYX ACUTUS	1
RHYNCHOCOELA	3

STATION 84 DATE 05/09/74 DEPTH (M) 46 GRAB 1

LAT 4022. N LONG 7342. W NO. SPECIES 12 NO. INDIVS 37

TEMPERATURE 18.02 SALINITY 0.0 DISSOLVED OXYGEN 4.10

DIVERSITY 1.9978 EQUITABILITY 0.8040

SPECIES LISTING	TOTAL
NEMATODA	2
SPIO FILICORNIS	2
PRIONOSPIO STEENSTRUPI	1
THARYX ACUTUS	1
NINOE NIGRIPES	11
LUMBRINERIS TENUIS	2
YOLDIA LIMATULA	1
NUCULA PROXIMA	2
CERIANTHEOPSIS AMERICANA	11
RHYNCHOCOELA	2
GLYCERA ROBUSTA	1
PHERUSA AFFINIS	1

****

STATION 85 DATE 04/09/74 DEPTH (M) 43 GRAB 1

LAT 4022. N LONG 7340. W NO. SPECIES 11 NO. INDIVS 43

TEMPERATURE 22.05 SALINITY 0.0 DISSOLVED OXYGEN 7.40

DIVERSITY 1.9968 EQUITABILITY 0.8327

SPECIES LISTING	TOTAL
TELLINA AGILIS	4
ARABELLA IRICOLOR	1
THARYX ACUTUS	5
ASABELLIDES OCULATA	2
AMPHARETE ARCTICA	1
LUMBRINERIS FRAGILIS	1
RHYNCHOCOELA	12
DRILONEREIS LONGA	5
SPISULA SOLIDISSIMA	1
GLYCERA DIBRANCHIATA	10
PHASCOLOSOMA SP.	1

STATION 86 DATE 04/09/74 DEPTH (M) 42 GRAB 1

LAT 4022. N LONG 7338. W NO. SPECIES 12 NO. INDIVS 55

TEMPERATURE 17.19 SALINITY 0.0 DISSOLVED OXYGEN 5.10

DIVERSITY 1.7327 EQUITABILITY 0.6973

SPECIES LISTING	TOTAL
CAULLERIELLA KILLARIENSIS	1
THARYX ANNULUSUS	4
TRICHOPHOXUS EPISTOMUS	2
SIGALION ARENICOLA	1
GLYCERA DIBRANCHIATA	2
PARAONIS FULGENS	1
RHYNCHOCOELA	4
NEPHTYS BUCERA	4
CRANGON SEPTEMSPINOSA	1
NUCULA PROXIMA	5
TELLINA AGILIS	29
PHASCOLOSOMA SP.	1

****

STATION 87 DATE 04/09/74 DEPTH (M) 40 GRAB 1

LAT 4019. N LONG 7338. W NO. SPECIES 16 NO. INDIVS 57

TEMPERATURE 17.23 SALINITY 0.0 DISSOLVED OXYGEN 5.70

DIVERSITY 2.2473 EQUITABILITY 0.8107

SPECIES LISTING	TOTAL
EXOGONE HEBES	1
TRICHOPHOXUS EPISTOMUS	17
RHYNCHOCOELA	2
NEMATODA	4
CERIANTHEOPSIS AMERICANA	1
AGLAOPHAMUS CIRCINATA	1
GLYCERA SP.	2
GLYCERA DIBRANCHIATA	1
LUMBRINERIS TENUIS	1
STHENELAIS LIMICOLA	1
PHASCOLOSOMA SP.	2
ASABELLIDES OCULATA	1
SCOLOPLOS ACUTUS	1
ARICIDEA WASSI	9
TELLINA AGILIS	5
PROTOHAUSTORIUS DEICHMANNAE	8

STATION 88 DATE 05/09/74 DEPTH (M) 41 GRAB 1

LAT 4019. N LONG 7340. W NO. SPECIES 17 NO. INDIVS. 64

TEMPERATURE 17.00 SALINITY 0.0 DISSOLVED OXYGEN 4.40

DIVERSITY 2.3467 EQUITABILITY 0.8290

SPECIES LISTING	TOTAL
CERIANTHEOPSIS AMERICANA	1
AGLAOPHAMUS CIRCINATA	3
SPIOPHANES BOMBYX	1
NEMATODA	2
RHYNCHOCOELA	12
PRIONOSPIO STEENSTRUPI	1
ARICIDEA QUADRILOBATA	4
PHYLLODOCE MUCOSA	6
HAPLOSCOLOPLOS ROBUSTUS	1
ARICIDEA JEFFREYSII	4
THARYX ANNULOSUS	5
GLYCERA DIBRANCHIATA	17
THARYX ACUTUS	1
PHASCOLOSOMA SP.	3
LUMBRINERIS TENUIS	1
LUMBRINERIS FRAGILIS	1
DRILONEREIS LONGA	1

STATION 89 DATE 05/09/74 DEPTH (M) 43 GRAB 1

LAT 4019. N LONG 7342. W NO. SPECIES 21 NO. INDIVS 69

TEMPERATURE 15.70 SALINITY 0.0 DISSOLVED OXYGEN 4.50

DIVERSITY 2.5440 EQUITABILITY 0.8356

SPECIES LISTING	TOTAL
PSEUDONCIOLA OBLIQUUA	1
SPIO FILICORNIS	1
RHYNCHOCOELA	11
SPIOPHANES BOMBYX	1
PRIONOSPIO STEENSTRUPI	1
GLYCERA DIBRANCHIATA	10
GLYCERA SP.	5
SCOLOPLOS ARMIGER	1
THARYX ACUTUS	15
THARYX ANNULOSUS	4
NEPHTYS PICTA	1
ASABELLIDES OCULATA	1
DRILONEREIS LONGA	2
NINOE NIGRIPES	1
LUMBRINERIS TENUIS	4
ARICIDEA WASSI	1
PHYLLODOCE ARENAE	2
PHASCOLOSOMA SP.	2
PHASCOLOSOMA SP.	3
TELLINA AGILIS	1
ENSIS DIRECTUS	1

****

STATION 90 DATE 05/09/74 DEPTH (M) 44 GRAB 1

LAT 4019. N LONG 7344. W NO. SPECIES 12 NO. INDIVS 52

TEMPERATURE 15.41 SALINITY 0.0 DISSOLVED OXYGEN 4.00

DIVERSITY 1.8077 EQUITABILITY 0.7275

SPECIES LISTING	TOTAL
ARICIDEA JEFFREYSII	1
DRILONEREIS MAGNA	1
PHASCOLOSOMA SP.	2
LUMBRINERIS TENUIS	5
GLYCERA SP.	24
RHYNCHOCOELA	1
EDWARDSIA SIPUNCULOIDES	1
SPIO FILICORNIS	2
THARYX ACUTUS	6
ASABELLIDES OCULATA	1
THARYX ANNULOSUS	1
GLYCERA DIBRANCHIATA	7

Table IV. Machine listed benthic macrofauna data collected from stations located within the proposed interim alternate disposal sites, June 1974 and February 1975.

STATION 1 DATE 21/06/74 DEPTH (M) 56 50% SAMPLE

LAT 3939.0N LONG 7331.1W NO. SPECIES 24 NO. INDIVS 74

DIVERSITY 2.5641 EQUITABILITY 0.8068

SPECIES LISTING	TOTAL
PROTODRILUS SYMBIOTICUS	2
CIROLANA POLITA	1
LEPTOCHELIA SAVIGNYI	1
UNCIOLA IRRORATA	3
MELITA DENTATA	1
ERICHTHONIUS HUNTERI	1
ANONYX LILJEBORGI	1
TRICHOPHOXUS EPISTOMUS	2
PHOXOCEPHALUS HOLBOLLI	3
PROTOHAUSTORIUS WIGLEYI	1
GONIADELLA GRACILIS	4
GLYCERA SP.	1
HARMOTHOE EXTENUATA	1
LUMBRINERIS ACUTA	22
THARYX ACUTUS	1
SPIOPHANES BOMBYX	12
POLYDORA LIGNI	1
CAULLERIELLA KILLARIENSIS	1
PARAONIS LYRA	1
ARICIDEA JEFFREYSII	1
EXOGONE HEBES	3
AMPHARETE ARCTICA	2
AGLAOPHAMUS CIRCINATA	5
NEPHTYS BUCERA	3

STATION 2 DATE 21/06/74 DEPTH (M) 56 50% SAMPLE

LAT 3937.4N LONG 7329.2W NO. SPECIES 26 NO. INDIVS 337

DIVERSITY 1.9367 EQUITABILITY 0.6098

SPECIES LISTING	TOTAL
CERIANTHEOPSIS AMERICANA	3
NEMATODA	1
BYBLIS SERRATA	1
AEGININA LONGICORNIS	147
ACANTHOHAUSTORIUS MILLSI	2
TELLINA AGILIS	1
NEPHTYS PICTA	2
NEPHTYS BUCERA	3
GLYCERA DIBRANCHIATA	4
AMPHARETE ARCTICA	3
MYTILUS EDULIS	1
CERASTODERMA PINNULATUM	1
PHASCOLOSOMA SP.	12
PHASCOLOSOMA SP.	1
SPIOPHANES BOMBYX	61
CAULLERIELLA KILLARIENSIS	1
AUTOLYTUS CORNUTUS	9
PHYLLODOCE ARENAE	2
POLYDORA SOCIALIS	1
PROTODRILUS SYMBIOTICUS	2
CHIRODOTEA TUFTSI	5
PROTOHAUSTORIUS WIGLEYI	28
TRICHOPHOXUS EPISTOMUS	8
LEMBOS WEBSTERI	5
UNCIOLA IRRORATA	1
PSEUDUNCIOLA OBLIQUUA	32

STATION 3 DATE 21/06/74 DEPTH (M) 56 50% SAMPLE

LAT 3936.0N LONG 7327.6W NO. SPECIES 20 NO. INDIVS 100

DIVERSITY 1.7047 EQUITABILITY 0.5690

SPECIES LISTING	TOTAL
CIROLANA POLITA	2
LEPTOCHELIA SAVIGNYI	1
TRICHOPHOXUS EPISTOMUS	4
PSEUDUNCIOLA OBLIQUUA	2
PROTOHAUSTORIUS WIGLEYI	1
ACANTHOHAUSTORIUS SPINOSUS	3
TELLINA AGILIS	1
PHASCOLOSOMA SP.	61
ARICIDEA WASSI	1
ARICIDEA JEFFREYSII	1
AGLAOPHAMUS CIRCINATA	1
NEPHTYS BUCERA	1
SPIOPHANES BOMBYX	1
GONIADELLA GRACILIS	1
CAULLERIELLA KILLARIENSIS	1
POLYDORA CAULLERI	7
AMPHARETE ARCTICA	1
EXOGONE HEBES	3
STHENELAIS LIMICOLA	1
PROTODRILUS SYMBIOTICUS	6

****

STATION 4 DATE 22/06/74 DEPTH (M) 56 50% SAMPLE

LAT 3934.5N LONG 7326.0W NO. SPECIES 10 NO. INDIVS 115

DIVERSITY 0.7643 EQUITABILITY 0.3319

SPECIES LISTING	TOTAL
ENSIS DIRECTUS	1
PHASCOLOSOMA SP.	96
RHYNCHOCOELA	4
GLYCERA SP.	6
HARMOTHOE EXTENUATA	3
ARICIDEA WASSI	1
CAULLERIELLA KILLARIENSIS	1
SPIOPHANES BOMBYX	1
PROTODRILUS SYMBIOTICUS	1
CHIROPOTEA CAECA	1

STATION 5 DATE 22/06/74 DEPTH (M) 56 50% SAMPLE

LAT 3933.0N LONG 7324.2W NO. SPECIES 14 NO. INDIVS 67

DIVERSITY 1.9876 EQUITABILITY 0.7531

SPECIES LISTING	TOTAL
LUMBRINERIS ACUTA	15
ARICIDEA JEFFREYSII	2
GLYCERA DIBRANCHIATA	1
GONIADELLA GRACILIS	25
SPIOPHANES BOMBYX	4
LEIOCHONE DISPAR	1
NEPHTYS PICTA	4
CIROLANA POLITA	5
CHIRODOTEA CAECA	1
PROTOHAUSTORIUS WIGLEYI	4
PHOXOCEPHALUS HOLBOLLI	1
TRICHOPHOXUS EPISTOMUS	2
CRANGON SEPTEMSPINOSA	1
PAGURUS LONGICARPUS	1

****

STATION 6 DATE 22/06/74 DEPTH (M) 59 50% SAMPLE

LAT 3931.5N LONG 7322.5W NO. SPECIES 20 NO. INDIVS 90

DIVERSITY 2.2052 EQUITABILITY 0.7364

SPECIES LISTING	TOTAL
POLYDORA SOCIALIS	1
CANCER IRRORATUS	1
JNCIOLA IRRORATA	1
TRICHOPHOXUS EPISTOMUS	3
PHOXOCEPHALUS HOLBOLLI	1
ACANTHOHAUSTORIUS SPINOSUS	1
PROTOHAUSTORIUS WIGLEYI	9
PHASCOLOSOMA SP.	1
RHYNCHOCOELA	1
AGLAOPHAMUS CIRCINATA	1
NEPHTYS BUCERA	9
AMPHARETE ARCTICA	2
GLYCERA DIBRANCHIATA	2
ARICIDEA WASSI	1
GONIADELLA GRACILIS	12
LUMBRINERIS ACUTA	4
STHENELAIS LIMICOLA	1
ORBINIA SWANI	1
SPIOPHANES BOMBYX	34
EXOGONE HEBES	4

STATION 7 DATE 22/06/74 DEPTH (M) 60 50% SAMPLE

LAT 3932.9N LONG 7320.7W NO. SPECIES 24 NO. INDIVS 153

DIVERSITY 2.3825 EQUITABILITY 0.7497

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	1
GONIADELLA GRACILIS	43
THARYX ACUTUS	6
GLYCERA DIBRANCHIATA	2
PARADNIS LYRA	1
PROTODRILUS SYMBIOTICUS	6
COPEPODA	1
CHIRODOTEA CAECA	7
CIROLANA POLITA	4
PROTOHAUSTORIUS WIGLEYI	3
UNCIOLA IRRORATA	1
PHASCOLOSOMA SP.	3
RHYNCHOCOELA	2
EXOGONE HEBES	5
ETEONE HETEROPODA	1
LEIOCHONE DISPAR	2
CLYMENELLA ZONALIS	12
LUMBRINERIS FRAGILIS	1
LUMBRINERIS ACUTA	35
HARMOTHOE EXTENUATA	1
ORILONEREIS LONGA	1
AMPHARETE ARCTICA	1
SPIOPHANES BOMBYX	3
ARICIDEA JEFFREYSII	11

STATION 8 DATE 22/06/74 DEPTH (M) 58 50% SAMPLE

LAT 3934.3N LONG 7322.2W NO. SPECIES 16 NO. INDIVS 57

DIVERSITY 2.0233 EQUITABILITY 0.7297

SPECIES LISTING	TOTAL
PROTODRILUS SYMBIOTICUS	2
COPEPODA	2
CHIROUTEA CAECA	1
TRICHOPHOXUS EPISTOMUS	1
AMPELISCA VERRILLI	1
PHASCOLOSOMA SP.	2
RHYNCHOCOELA	2
CLYMENELLA ZONALIS	4
LEIOCHONE DISPAR	1
THARYX ACUTUS	1
HARMOTHOE EXTENUATA	1
PROTODORVILLEA BIARTICULATA	1
LUMBRINERIS ACUTA	11
GLYCERA SP.	1
GONIADELLA GRACILIS	24
SIGALION ARENICOLA	2

****

STATION 11 DATE 22/06/74 DEPTH (M) 59 50% SAMPLE

LAT 3933.8N LONG 7327.3W NO. SPECIES 12 NO. INDIVS 41

DIVERSITY 2.0917 EQUITABILITY 0.8418

SPECIES LISTING	TOTAL
LUMBRINERIS ACUTA	1
STHENELAIS LIMICOLA	1
PROTOHAUSTORIUS WIGLEYI	3
ACANTHOHAUSTORIUS SPINOSUS	2
TRICHOPHOXUS EPISTOMUS	5
PSEUDONCIULA GOLIOUDA	6
ENSIS DIRECTUS	1
PHASCOLOSOMA SP.	14
RHYNCHOCOELA	2
SPIOPHANES BOMBYX	2
GLYCERA SP.	3
ARICIDEA JEFFREYSII	1

STATION 15 DATE 23/06/74 DEPTH (M) 55 50% SAMPLE

LAT 3941.7N LONG 7326.7W NO. SPECIES 18 NO. INDIVS 55

DIVERSITY 2.5943 EQUITABILITY 0.8976

SPECIES LISTING	TOTAL
GONIADELLA GRACILIS	6
SPIOPHANES BOMBYX	1
LUMBRINERIS ACUTA	1
SIGALION ARENICOLA	3
CLYMENELLA ZONALIS	1
AGLAOPHAMUS CIRCINATA	1
NEPHTYS PICTA	3
PSEUDUNCIOLA OBLIQUUA	1
THARYX ACUTUS	1
PROTODRILUS SYMBIOTICUS	1
LEPTOCUMA MINOR	1
CHIRODOTEA CAECA	4
EDOTEA TRILOBA	1
CIROLANA POLITA	1
CANCER IRRORATUS	1
PROTOHAUSTORIUS WIGLEYI	6
TRICHOPHOXUS EPISTOMUS	1
ARICIDEA WASSI	1

****

STATION 29 DATE 23/06/74 DEPTH (M) 56 75% SAMPLE

LAT 3936.6N LONG 7323.7W NO. SPECIES 18 NO. INDIVS 55

DIVERSITY 2.5206 EQUITABILITY 0.8029

SPECIES LISTING	TOTAL
THARYX ACUTUS	1
AMPHARETE ARCTICA	1
NEMATODA	1
SPIOPHANES BOMBYX	1
CAULLERIELLA SP.	1
ARICIDEA JEFFREYSII	1
LUMBRINERIS ACUTA	13
LUMBRINERIS FRAGILIS	1
PROTODRILUS SYMBIOTICUS	4
CIROLANA POLITA	1
CHIRODOTEA CAECA	10
PROTOHAUSTORIUS WIGLEYI	4
PHASCOLOSOMA SP.	1
NEPHTYS BUCERA	1
SIGALION ARENICOLA	2
GONIADELLA GRACILIS	11
EXOGONE HEBES	3
CLYMENELLA ZONALIS	3

STATION 37 DATE 23/06/74 DEPTH (M) 59 75% SAMPLE

LAT 3937.1N LONG 7322.0W NO. SPECIES 24 NO. INDIVS 119

DIVERSITY 2.4915 EQUITABILITY 0.7840

SPECIES LISTING	TOTAL
LEIOCHONE DISPAR	1
PHASCOLOSOMA SP.	23
SPIOPHANES BOMBYX	24
GLYCERA DIBRANCHIATA	3
CLYMENELLA ZONALIS	20
AGLAOPHAMUS CIRCINATA	5
ARICIDEA WASSI	1
EXOGONE HEBES	2
GLYCERA SP.	1
THARYX ACUTUS	1
AMPHARETE ARCTICA	1
SCOLOPLOS ACUTUS	1
SPIO FILICORNIS	1
THARYX ANNULOSUS	1
COPEPODA	2
CIROLANA POLITA	1
CRANGON SEPTEMSPINOSA	1
UNCIOLA INERMIS	6
TRICHOPHOXUS EPISTOMUS	3
PHOXOCEPHALUS HOLBOLLI	5
ASTARTE CASTANEA	2
PHASCOLOSOMA SP.	3
RHYNCHOCOELA	1
GONIADELLA GRACILIS	10

STATION 45 DATE 23/06/74 DEPTH (M) 58 75% SAMPLE

LAT 3935.6N LONG 7320.2W NO. SPECIES 16 NO. INDIVS 108

DIVERSITY 2.1752 EQUITABILITY 0.7846

SPECIES LISTING	TOTAL
ARICIDEA WASSI	1
PROTOHAUSTORIUS WIGLEYI	2
HARMOTHOE EXTENUATA	4
ARICIDEA JEFFREYSII	2
EXOGONE HEBES	4
SPIOPHANES BOMBYX	3
GLYCERA SP.	2
PROTODRILUS SYMBIOTICUS	15
PHOXOCEPHALUS HOLBOLLI	2
AEGINIMA LONGICORNIS	2
CERASTODERMA PINNULATUM	1
PHASCOLOSOMA SP.	1
CLYMENELLA ZONALIS	8
LUMBRINERIS ACUTA	36
GONIADELLA GRACILIS	12
NEPHTYS BUCERA	13

****

STATION 55 DATE 23/06/74 DEPTH (M) 65 75% SAMPLE

LAT 3938.4N LONG 7320.0W NO. SPECIES 15 NO. INDIVS 89

DIVERSITY 1.8910 EQUITABILITY 0.6983

SPECIES LISTING	TOTAL
LUMBRINERIS ACUTA	21
LEIOCHONE DISPAR	1
EXOGONE HEBES	34
GLYCERA DIBRANCHIATA	1
GLYCERA SP.	1
NEPHTYS PICTA	4
THARYX ACUTUS	2
ARICIDEA JEFFREYSII	1
OLIGOCHAETA	3
PROTODRILUS SYMBIOTICUS	11
JNCIOLA IRRORATA	1
CANCER IRRORATUS	1
EXOGONE HEBES	1
AMPHARETE ARCTICA	1
CLYMENELLA ZONALIS	6

STATION 60 DATE 23/06/74 DEPTH (M) 59 75% SAMPLE

LAT 3944.3N LONG 7323.2W NO. SPECIES 10 NO. INDIVS 37

DIVERSITY 1.6933 EQUITABILITY 0.8225

SPECIES LISTING	TOTAL
CIROLANA POLITA	1
GONIADELLA GRACILIS	10
AMPHARETE ARCTICA	1
ARICIDEA JEFFREYSII	5
SPIOPHANES BOMBYX	2
LUMBRINERIS ACUTA	10
EXOGONE HEBES	1
THARYX ACUTUS	1
OLIGOCHAETA	1
ACANTHOHAUSTORIUS SPINOSUS	5

****

STATION 62 DATE 26/06/74 DEPTH (M) 59 50% SAMPLE

LAT 3941.1N LONG 7320.4W NO. SPECIES 14 NO. INDIVS 98

DIVERSITY 2.0533 EQUITABILITY 0.7780

SPECIES LISTING	TOTAL
STREPTOSYLLIS ARANAE	2
AGLAOPHAMUS CIRCINATA	6
PROTODRILUS SYMBIOTICUS	1
CHIRODOTEA CAECA	3
CIROLANA POLITA	26
TRICHOPHOXUS EPISTOMUS	1
PHASCOLOSOMA SP.	3
EXOGONE HEBES	5
GONIADELLA GRACILIS	18
PARAONIS LYRA	2
ARICIDEA JEFFREYSII	2
SIGALION ARENICOLA	1
SPIOPHANES BOMBYX	4
LUMBRINERIS ACUTA	24

STATION 64 DATE 26/06/74 DEPTH (M) 63 50% SAMPLE

LAT 3938.0N LONG 7317.0W NO. SPECIES 29 NO. INDIVS 172

DIVERSITY 2.5371 EQUITABILITY 0.7535

SPECIES LISTING	TOTAL
GONIADELLA GRACILIS	16
SPIOPHANES BOMBYX	31
PROTOHAUSTORIUS WIGLEYI	1
AMPHARETE ARCTICA	2
NICHOMACHE LUMBRICALIS	2
POLYCIRRUS MEDUSA	1
PHYLLODOCE ARENAE	6
GLYCERA DIBRANCHIATA	2
DRILONEREIS MAGNA	1
ARICIDEA JEFFREYSII	9
PROTODRILUS SYMBIOTICUS	15
CIROLANA POLITA	2
PHOXOCEPHALUS HOLBOLLI	1
CLYMENELLA ZONALIS	22
LETOCHONE DISPAR	2
PHASCOLOSOMA SP.	1
STREPTOSYLLIS ARANAE	1
GLYCERA DIBRANCHIATA	1
EXOGONE HEBES	4
ASLADPHAMUS CIRCINATA	4
NEPHTYS PICTA	2
LUMBRINERIS FRAGILIS	1
LUMBRINERIS ACUTA	38
ENSIS DIRECTUS	1
PHASCOLOSOMA SP.	2
LEPTOCHELIA SAVIGNYI	1
TRICHOPHOXUS EPISTOMUS	1
UNCIOLA IRRORATA	1
UNCIOLA INERMIS	1

STATION 65 DATE 26/06/74 DEPTH (M) 64 50% SAMPLE

LAT 3930.6N LONG 7315.2W NO. SPECIES 18 NO. INDIVS 121

DIVERSITY 2.0998 EQUITABILITY 0.7265

SPECIES LISTING	TOTAL
AMPHARETE ARCTICA	1
GLYCERA DIBRANCHIATA	1
EXOGONE HEBES	10
CRANGON SEPTEMSPINOSA	1
ENSIS DIRECTUS	1
PROTODRILUS SYMBIOTICUS	18
ANONYX SARSI	1
SPIOPHANES BOMBYX	1
PARAONIS LYRA	1
PHOXOCEPHALUS HOLBOLLI	1
NEPHTYS BUCERA	5
ARICIDEA JEFFREYSII	3
PARAONIS GRACILIS	1
SONIADELLA GRACILIS	24
CLYMENELLA ZONALIS	17
LUMBRINERIS ACUTA	33
RHYNCHOCOELA	1
NEMATODA	1

STATION 65 DATE 26/06/74 DEPTH (M) 66 50% SAMPLE

LAT 3937.8N LONG 7313.6W NO. SPECIES 22 NO. INDIVS 225

DIVERSITY 2.2712 EQUITABILITY 0.7348

SPECIES LISTING	TOTAL
NEPHTYS BUCERA	3
GLYCERA DIBRANCHIATA	1
SPIOPHANES BOMBYX	11
RHYNCHOCOELA	2
GONIADELLA GRACILIS	30
PARAONIS SP.	2
PHASCOLOSOMA SP.	6
LEIOCHONE DISPAR	1
CLYMENELLA ZONALIS	4
PROTODORVILLEA BIARTICULATA	4
LUMBRINERIS ACUTA	25
ARICIDEA JEFFREYSII	82
THARYX ACUTUS	7
SIGALION ARENICOLA	1
POLYDORA LIGNI	5
EXOGONE HEBES	8
CIROLANA POLITA	9
ARABELLA TRICOLOR	1
PARAPIONOSYLLIS LONGOCIRRATA	6
CAULLERIELLA KILLARIENSIS	1
SYLLIS GRACILIS	1
PROTODRILUS SYMBIOTICUS	15

STATION 68 DATE 26/06/74 DEPTH (M) 69 50% SAMPLE

LAT 3940.8N LONG 7316.7W NO. SPECIES 21 NO. INDIVS 157

DIVERSITY 2.2176 EQUITABILITY 0.7284

SPECIES LISTING	TOTAL
LUMBRINERIS ACUTA	29
PROTODRILUS SYMBIOTICUS	24
PHERUSA AFFINIS	1
DRILONEREIS LONGA	1
THARYX ACUTUS	1
ARICIDEA JEFFREYSII	5
PHASCOLOSOMA SP.	3
OPHELIA DENTICULATA	1
EXOGONE HEBES	7
PARAPIONOSYLLIS LONGOCIRRATA	5
CLYMENELLA ZONALIS	8
STAURONEREIS CAECUS	2
CIROLANA POLITA	1
CHIRODOTEA CAECA	1
AMPHARETE ARCTICA	1
SPIOPHANES BOMBYX	5
PHYLLODOCE ARENAE	3
SYLLIS CORNUTA	1
GLYCERA DIBRANCHIATA	4
CAULLERIELLA KILLARIENSIS	3
GONIADELLA GRACILIS	51

STATION 69 DATE 26/06/74 DEPTH (M) 65 50% SAMPLE

LAT 3942.4N LONG 7318.3W NO. SPECIES 24 NO. INDIVS 151

DIVERSITY 2.3352 EQUITABILITY 0.7351

SPECIES LISTING	TOTAL
LUMBRINERIS ACUTA	31
CERASTODERMA PINNULATUM	1
POLYCIRRUS MEDUSA	1
ARICIDEA JEFFREYSII	15
SCALIBREGMA INFLATUM	1
THARYX ACUTUS	1
PHASCOLOSOMA SP.	2
PHASCOLOSOMA SP.	1
PROTODRILUS SYMBIOTICUS	46
PHYLLODOCE ARENAE	2
LEIOCHONE DISPAR	5
DIASTYLIS SCULPTA	1
OLIGOCHAETA	4
AMPHARETE ARCTICA	2
EXOGONE HEBES	11
PARAPIONOSYLLIS LONGOCIRRATA	2
NEPHTYS BUCERA	4
GONIADELLA GRACILIS	9
GLYCERA SP.	1
NEMATODA	2
UNCIOLA IRRORATA	5
TRICHOPHOXUS EPISTOMUS	2
ACTINIARIA	1
RHYNCHOCOELA	1

STATION 70 DATE 26/06/74 DEPTH (M) 65 50% SAMPLE

LAT 3944.0N LONG 7319.9W NO. SPECIES 20 NO. INDIVS 108

DIVERSITY 2.2079 EQUITABILITY 0.7370

SPECIES LISTING	TOTAL
STEONE HETEROPODA	1
CIROLANA POLITA	1
STREPTOSYLLIS ARANAE	1
SPIOPHANES BOMBYX	1
LEIOCHONE DISPAR	1
ONCIOLA IRRORATA	1
GONIADELLA GRACILIS	20
PHOXOCEPHALUS HOLBOLLI	1
AGLAOPHAMUS CIRCINATA	1
PARANAITIS KOSTERIENSIS	1
EXOGONE HEBES	2
STAURONEREIS CAECUS	1
THARYX ACUTUS	8
PROTODRILUS SYMBIOTICUS	30
OLIGOCHAETA	3
STHENELAIS LIMICOLA	1
PHYLLODOCIDAE	1
LUMBRINERIS ACUTA	18
CAULLERIELLA KILLARIENSIS	4
ARICIDEA JEFFREYSII	11

STATION 71 DATE 27/06/74 DEPTH (M) 69 GRAB 1

LAT 3946.5N LONG 7521.7W NO. SPECIES 25 NO. INDIVS 301

DIVERSITY 2.0361 EQUITABILITY 0.6332

SPECIES LISTING	TOTAL
GLYCERA SP.	3
GLYMENELLA ZONALIS	1
PHYLLODOCE ARENAE	17
AMPHARETE ARCTICA	1
CAULLERIELLA SP.	5
SPIOPHANES BOMBYX	136
RHYNCHOCOELA	4
GONIADELLA GRACILIS	8
EUSYLLIS BLOMSTRANDI	2
ORBINIA SWANI	1
ARICIDEA JEFFREYSII	6
ENSIS DIRECTUS	5
UNCIOLA IRRORATA	2
THARYX ACUTUS	23
PARAPIONOSYLLIS LONGOCIRRATA	1
EDWARDSIA SIPUNCULOIDES	1
EXOGONE HEBES	7
LEPTOGNATHA CAECA	2
LETOCHONE DISPAR	2
STHENELAIS LIMICOLA	1
POLYCIRRUS MEDUSA	1
LUMBRINERIS ACUTA	16
PARADONIS LYRA	2
PHASCOLOSOMA SP.	5
PROTODRILUS SYMBIOTICUS	49

STATION 72 DATE 29/06/74 DEPTH (M) 69 50% SAMPLE

LAT 3945.5N LONG 7321.7W NO. SPECIES 30 NO. INDIVS 221

DIVERSITY 2.5065 EQUITABILITY 0.7369

SPECIES LISTING	TOTAL
UNCIOLA IRRORATA	18
ARICIDEA JEFFREYSII	6
PARAPIONOSYLLIS LONGOCIRRATA	1
STREPTOSYLLIS ARANAE	1
EUCHONE RUBROCINCTA	21
AGLAOPHAMUS CIRCINATA	2
NEMATODA	1
THARYX SP.	68
PHOLOE MINUTA	1
PHASCOLOSOMA SP.	2
RHYNCHOCOELA	1
PROTODRILUS SYMBIOTICUS	19
LUMBRINERIS SP.	6
PHASCOLOSOMA SP.	1
SPIOPHANES BOMBYX	26
CIROLANA POLITA	1
AMPHARETE ARCTICA	4
PHASCOLOSOMA SP.	1
ASABELLIDES OCULATA	1
ARCTICA ISLANDICA	1
SPHAEROMA QUADRIDENTATUM	1
ANONYX SARSI	2
EXOGONE VERUGERA	10
ADRIDAE SP.	1
COROPHIUM CRASSICORNE	1
PHYLLODOCE ARENAE	7
CLYMENELLA ZONALIS	6
SCALIBREGMA INFLATUM	3
EXOGONE DISPAR	7
GLYCERA CAPITATA	1

STATION 74 DATE 27/06/74 DEPTH (M) 80 75% SAMPLE

LAT 4016.8N LONG 7253.0W NO. SPECIES 28 NO. INDIVS 259

DIVERSITY 2.3024 EQUITABILITY 0.6910

SPECIES LISTING	TOTAL
EXOGONE HEBES	38
CLYMENELLA ZONALIS	21
ENSIS DIRECTUS	1
MYA ARENARIA	1
LEIOCHONE DISPAR	2
MYXICOLA INFUNDIBULUM	1
SCALIBREGMA INFLATUM	4
AGLAOPHAMUS CIRCINATA	6
EUCHONE RUBROCINCTA	11
GONIADELLA GRACILIS	13
LEPTOCHELIA SAVIGNYI	3
STAURONEREIS CAECUS	1
CAULLERIELLA KILLARIENSIS	2
PROTODRILUS SYMBIOTICUS	12
DRILONEREIS MAGNA	2
SPIOPHANES BOMBYX	6
PHASCOLOSOMA SP.	2
ARICIDEA JEFFREYSII	5
JUCIDLA IRRORATA	3
PHOXOCEPHALUS HOLBOLLI	1
THARYX ACUTUS	99
LUMBRINERIS TENUIS	3
JUCIDLA INERMIS	1
AMPHARETE ARCTICA	16
NEREIS GRAYI	2
PHOLOE MINUTA	1
EDWARDSIA SIPUNCULOIDES	1
PARAONIS LYRA	1

STATION 77 DATE 30/06/74 DEPTH (M) 81 75% SAMPLE

LAT 4012.6N LONG 7253.1W NO. SPECIES 26 NO. INDIVS 110

DIVERSITY 2.3930 EQUITABILITY 0.7360

SPECIES LISTING	TOTAL
THARYX ACUTUS	13
SCALIBREGMA INFLATUM	2
EXOGONE HEBES	5
SYLLIS CORNUTA	1
PHASCOLOSOMA SP.	1
CLYMENELLA ZONALIS	1
LEIOCHONE DISPAR	3
NEREIS GRAYI	1
AMPHARETE ARCTICA	4
ARICIDEA JEFFREYSII	1
PHASCOLOSOMA SP.	3
GLYCERA SP.	1
SOLARIELLA INFUNDIBULUM	1
EUCHONE RUBROCINCTA	7
PROTODRILUS SYMBIOTICUS	2
PHOXOCEPHALUS HOLBOLLI	1
LUMBRINERIS ACUTA	9
STREPTOSYLLIS ARANAE	1
GLYCERA DIBRANCHIATA	1
PHYLLODOCE ARENAE	3
SPIOPHANES BOMBYX	42
HIPPOMEDON SERRATUS	1
DRILONEREIS LONGA	1
GONIADELLA GRACILIS	1
ARABELLA IRICOLOR	1
DRILONEREIS MAGNA	3

STATION 79 DATE 30/06/74 DEPTH (M) 85 75% SAMPLE

LAT 4006.6N LONG 7253.0W NO. SPECIES 20 NO. INDIVS 138

DIVERSITY 2.3575 EQUITABILITY 0.7903

SPECIES LISTING	TOTAL
BYBLIS SERRATA	1
DECAPOD	1
UNCIOLA IRRORATA	6
SPIOPHANES BOMBYX	2
SCALIBREGMA INFLATUM	3
STHENELAIS LIMICOLA	1
UNCIOLA INERMIS	2
ARICIDEA JEFFREYSII	4
LEIOCHONE DISPAR	1
LUMBRINERIS ACUTA	24
CIROLANA POLITA	1
PROTODRILUS SYMBIOTICUS	12
CLYMENELLA ZONALIS	3
EXOGONE HEBES	10
AMPHARETE ARCTICA	2
EUCHONE RUBROCINCTA	5
THARYX ACUTUS	39
GONIADELLA GRACILIS	9
PHOXOCEPHALUS HOLBOLLI	11
PHASCOLOSOMA SP.	1

STATION 82 DATE 30/06/74 DEPTH (M) 84 75% SAMPLE

LAT 4008.7N LONG 7250.5W NO. SPECIES 27 NO. INDIVS 118

DIVERSITY 2.7059 EQUITABILITY 0.8210

SPECIES LISTING	TOTAL
EXOGONE VERUGERA	8
EDOTEA TRILOBA	1
GLYCERA SP.	2
ARCTICA ISLANDICA	1
PHASCOLOSOMA SP.	1
RHYNCHOCOELA	1
PSEUDONCIOLA OBLIQUUA	1
THARYX ACUTUS	20
DRILONEREIS MAGNA	1
AGLAOPHAMUS CIRCINATA	7
CROPHIUM CRASSICORNE	2
HIPPOMEDON SERRATUS	1
CERASTODERMA PINNULATUM	2
CIROLANA POLITA	4
SPIOPHANES BOMBYX	7
PROTODRILUS SYMBIOTICUS	6
EUCHONE RUBROCINCTA	26
MITRELLA LUNATA	1
LUNATIA HEROS	1
PHOXOCEPHALUS HOLBOLLI	3
EUDORELLA EMARGINATA	1
BYBLIS SERRATA	2
SCALIBREGMA INFLATUM	2
CLYMENELLA ZONALIS	3
UNCIOLA IRRORATA	4
AMPHARETE ARCTICA	9
LEPTOCHELIA SAVIGNYI	1

STATION 83 DATE 30/06/74 DEPTH (M) 82 75% SAMPLE

LAT 4014.8N LONG 7250.5W NO. SPECIES 19 NO. INDIVS 91

DIVERSITY 2.5332 EQUITABILITY 0.7924

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	3
PHOXOCEPHALUS HOLBOLLI	2
SCOLOPLOS ACUTUS	1
CROPHIUM CRASSICORNE	1
AMPHARETE ARCTICA	9
AGLAOPHAMUS CIRCINATA	4
EUCHONE ROSEOCINCTA	7
UNCIOLA IRRORATA	8
ASTARTE CASTANEA	1
STENOPLEUSTES INERMIS	1
GONIADELLA GRACILIS	1
PROTOHAUSTORIUS WIGLEYI	5
LUMBRINERIS FRAGILIS	1
PETALOSARSIA DECLIVIS	1
SPIOPHANES BOMBYX	5
UNCIOLA INERMIS	9
THARYX ACUTUS	30
SPIO FILICORNIS	1
GLYCERA SP.	1

STATION 85 DATE 30/06/74 DEPTH (M) 87 75% SAMPLE

LAT 4016.8N LONG 7250.5W NO. SPECIES 39 NO. INDIVS 207

DIVERSITY 3.1307 EQUITABILITY 0.8545

SPECIES LISTING	TOTAL
CORROPHIUM CRASSICORNE	3
AMPELISCA MACROCEPHALA	2
STHENELAIS LIMICOLA	1
BYBLIS SERRATA	7
PHOXOCEPHALUS HOLBOLLI	3
TRICHOPHOXUS EPISTOMUS	6
PRIONOSPIO STEENSTRUPI	1
CLYMENELLA ZONALIS	23
LEIOCHONE DISPAR	1
EUCHONE RUBROCINCTA	18
AMPHARETE ARCTICA	13
LAONICE CIRRATA	1
HARMOTHOE EXTENUATA	3
ARICIDEA JEFFREYSII	4
GLYCERA CAPITATA	1
LUMBRINERIS ACUTA	1
SPIOPHANES BOMBYX	30
THARYX ACUTUS	4
SCALIBREGMA INFLATUM	8
PHOLOE MINUTA	1
AGLAOPHAMUS CIRCINATA	6
EXOGONE DISPAR	10
CAULLERIELLA KILLARIENSIS	1
PHYLLODOCE ARENAE	2
OPHELIA ACUMINATA	2
PHASCOLOSOMA SP.	1
ENSIS DIRECTUS	3
PHASCOLOSOMA SP.	2
PHASCOLOSOMA SP.	1
LEMBOS WEBSTERI	4
ERICHTHONIUS RUBRICIRNIS	2
DIASTYLIS SCULPTA	7
EUDORELLA EMARGINATA	8
PETALOSARSIA DECLIVIS	1
CIROLANA POLITA	1
EDOTEA TRILOBA	1
UNCIOLA INERMIS	9
UNCIOLA IRRORATA	13
EUDORELLOPSIS DEFORMIS	2

STATION 86 DATE 30/06/74 DEPTH (M) 90 TYPE SAMPLE

LAT 4014.7N LONG 7247.9W NO. SPECIES 55 NO. INDIVS 662

DIVERSITY 3.3019 EQUITABILITY 0.7491

SPECIES LISTING	TOTAL
BYBLIS SERRATA	2
CHAETOZONE SETOSA	2
OWENIA FUSIFORMIS	20
OPHELIA ACUMINATA	5
NOTOMASTUS LATERICIUS	2
SCALIBREGMA INFLATUM	8
AMPELISCA MACROCEPHALA	6
PRIONOSPIO SP.	34
AMPELISCA AGASSIZI	177
PRIONOSPIO STEENSTRUPI	2
UNCIOLA IRRORATA	6
STHENELAIS LIMICOLA	2
PHYLLODOCE ARENAE	4
CERIANTHEOPSIS AMERICANA	1
ACTINIARIA	4
RHYNCHOCOELA	1
PHOLOE MINUTA	1
AGLAOPHAMUS CIRCINATA	9
NEPHTYS BUCERA	1
NEREIS GRAYI	4
LUMBRINERIS TENUIS	1
EUCHONE RUBROCINCTA	28
POLYDORA SOCIALIS	32
SIPUNCULOIDEA	24
PROTODRILUS SYMBIOTICUS	1
DIASTYLIS SCULPTA	20
EUDORELLA EMARGINATA	28
EUDORELLOPSIS DEFORMIS	12
PHASCOLOSOMA SP.	3
LEPTOCHEIRUS PINGUIS	2
AORIDAE SP.	1
AMPHARETE ARCTICA	55
NICOLEA VENUSTULA	2
CLYMENELLA ZONALIS	47
CLYMENELLA TORQUATA	29
SPIOPHANES BOMBYX	2
LAONICE CIRRATA	2
PODOCEROPSIS NITIDA	1
PHASCOLOSOMA SP.	3
PHOTIS SP.	1
STENOPLEUSTES INERMIS	1
TRICHOPHOXUS EPISTOMUS	5
PHASCOLOSOMA SP.	4
CROPHIUM CRASSICORNE	12
MITRELLA LUNATA	9
CARDIIDAE	8
LYONSIA HYALINA	5
MYTILUS EDULIS	2
PHASCOLOSOMA SP.	2
PHASCOLOSOMA SP.	9
PHASCOLOSOMA SP.	2
PHASCOLOSOMA SP.	1

DRILONEREIS LONGA	1
HEMIPODUS SP.	1
EXOGONE VERUGERA	15

STATION 67 DATE 30/06/74 DEPTH (M) 87 75% SAMPLE

LAT 4012.7N LONG 7247.7W NO. SPECIES 28 NO. INDIVS 137

DIVERSITY 2.4501 EQUITABILITY 0.7353

SPECIES LISTING	TOTAL
PRIONOSPIO STEENSTRUPI	1
GLYCERA DIBRANCHIATA	1
CAULLERIELLA KILLARIENSIS	2
PARANAITIS KOSTERIENSIS	1
THARYX ACUTUS	43
EXOGONE DISPAR	1
LUMBRINERIS ACUTA	2
DRILONEREIS LONGA	1
DRILONEREIS MAGNA	1
EUCHONE ROBRUCINCTA	1
AMPHARETE ARCTICA	12
OPHELIA ACUMINATA	1
LAONICE CIRRATA	1
AGLAOPHAMUS CIRCINATA	4
SPIOPHANES BOMBYX	1
GONIADELLA GRACILIS	22
THARYX ANNULOSUS	1
PROTODRILUS SYMBIOTICUS	13
DIASTYLIS QUADRISPINOSA	2
LEPTOGNATHA CAECA	1
PHOXOCEPHALUS HOLBOLLI	4
LEMBOS WEBSTERI	1
CORPHIUM CRASSICORNE	1
UNCIOLA IRRORATA	5
AMPELISCA AGASSIZI	1
PHASCOLOSOMA SP.	1
SCALIBREGMA INFLATUM	8
ARICIDEA JEFFREYSII	4

STATION 89 DATE 30/06/74 DEPTH (M) 82 75% SAMPLE

LAT 4010.7N LONG 7247.9W NO. SPECIES 39 NO. INDIVS 318

DIVERSITY 2.3313 EQUITABILITY 0.7728

SPECIES LISTING	TOTAL
NEPHTYS PICTA	4
ARICIDEA JEFFREYSII	6
PHASCOLOSOMA SP.	17
SPISULA SOLIDISSIMA	1
LUMBRINERIS ACUTA	32
CERASTODERMA PINNULATUM	4
CLYMENELLA ZONALIS	10
SCOLOPLOS ARMIGER	1
AMPHARETE ARCTICA	11
SCALIBREGMA INFLATUM	10
COPEPODA	1
SYLLIS CORNUTA	3
PROTODRILUS SYMBIOTICUS	40
POLYDORA LIGNI	1
POLYCIRRUS MEDUSA	1
EXOGONE HEBES	45
PARAPIONOSYLLIS LONGOCIRRATA	1
LEPTOCHELIA SAVIGNYI	9
CIROLANA POLITA	1
DIASTYLIS SCULPTA	1
PHOXOCEPHALUS HOLBOLLI	11
TRICHOPHOXUS EPISTOMUS	1
ERICHTHONIUS HUNTERI	1
PSEUDUNCIOLA OBLIQUUA	6
UNCIOLA INERMIS	4
UNCIOLA IRRORATA	3
SOLARIELLA INFUNDIBULUM	1
ENSIS DIRECTUS	1
APHRODENIA SP.	1
GONIADELLA GRACILIS	13
THARYX ACUTUS	59
CAULLERIELLA KILLARIENSIS	3
NEMATODA	4
OPHELIA ACUMINATA	3
PHYLLODOCE ARENAE	1
HARMOTHOE EXTENUATA	2
DRILONEREIS MAGNA	1
GLYCERA DIBRANCHIATA	1
SPIOPHANES BOMBYX	3

STATION 90 DATE 30/06/74 DEPTH (M) 88 75% SAMPLE

LAT 4006.5N LONG 7247.9W NO. SPECIES 33 NO. INDIVS 148

DIVERSITY 2.8665 EQUITABILITY 0.8198

SPECIES LISTING	TOTAL
LEITOCHONE DISPAR	2
CLYMENELLA TORQUATA	1
AMPHARETE ARCTICA	7
CLYMENELLA ZONALIS	8
POTAMILLA NEGLECTA	1
EUCHONE RUBROCINCTA	10
POLYCIRRUS MEDUSA	4
ENSIS DIRECTUS	1
PHASCOLOSOMA SP.	7
PROTODRILUS SYMBIOTICUS	4
LEPTOCHELIA SAVIGNYI	2
DIASTYLIS SCULPTA	1
UNCIOLA IRRORATA	5
PSEUDUNCIOLA OBLIQUUA	2
HIPPOMEDON SERRATUS	1
BYBLIS SERRATA	3
COLUS PUBESCENS	1
PHASCOLOSOMA SP.	1
GLYCERA DIBRANCHIATA	1
LUMBRINERIS ACUTA	1
PHOLOE MINUTA	2
SPIOPHANES BOMBYX	30
APHRODITA HASTATA	1
ARICIDEA JEFFREYSII	4
SCALIBREGMA INFLATUM	11
GONIADELLA GRACILIS	1
THARYX ACUTUS	24
SCOLOPLOS ACUTUS	3
PHYLLODOCE ARENAE	2
NEREIS GRAYI	1
AGLAOPHAMUS CIRCINATA	4
EXOGONE HEBES	1
OPHELIA ACUMINATA	1

STATION 92 DATE 30/06/74 DEPTH (M) 90 75% SAMPLE

LAT 4036.7N . LONG 7245.3W NO. SPECIES 39 NO. INDIVS 321

DIVERSITY 2.0411 EQUITABILITY 0.5571

SPECIES LISTING	TOTAL
LUNATIA HERJS	1
UNCIOLA IRRORATA	12
BYBLIS SERRATA	1
STENOPLEUSTES INERMIS	1
AMPELISCA AGASSIZI	1
PODOCEROPSIS NITIDA	1
TRICHUPHOXJS EPISTOMJS	1
ERICHTHONIJS HUNTERI	4
PSEUDUNCIOLA OBLIQUUA	2
DIASTYLIS SCULPTA	1
EDOTEA TRILOBA	1
LEPTOCHELIA SAVIGNYI	1
EUCHONE RUBROCINCTA	6
LETOCHONE DISPAR	1
CLYMENELLA ZONALIS	1
LUMBRINERIS ACUTA	1
OPHELIA ACUMINATA	2
SCOLOPLOS ROBUSTUS	2
THARYX ACUTUS	25
AMPHARETE ARCTICA	7
AGLAOPHAMUS CIRCINATA	6
STHENELAIS LIMICOLA	3
PHYLLODOCE ARENAE	1
PROTODRILUS SYMBIOTICUS	14
CIROLANA POLITA	1
SCALIBREGMA INFLATUM	8
ARICIDEA JEFFREYSII	1
LYONSIA HYALINA	2
ASTARTE CASTANEA	1
PHASCOLOSOMA SP.	15
COPOPHIUM CRASSICORNE	1
LEPTOCHEIRUS PINGUIS	1
PHOXOCEPHALUS HOLBOLLI	3
COLUS SP.	2
SPIOPHANES BOMBYX	178
EXOGONE VERUGERA	1
HEMIPODUS SP.	7
DRILONEREIS MAGNA	2
GLYCERA DIBRANCHIATA	2

STATION 93 DATE 30/06/74 DEPTH (M) 91 75% SAMPLE

LAT 4010.7N LONG 7245.2W NO. SPECIES 20 NO. INDIVS 138

DIVERSITY 2.2916 EQUITABILITY 0.7650

SPECIES LISTING	TOTAL
CLYMENELLA ZONALIS	16
OPHELIA ACUMINATA	2
STHENELAIS LIMICOLA	1
CLYMENELLA ZONALIS	8
OWENIA FUSIFORMIS	1
PHASCOLOSOMA SP.	1
AMPELISCA VADORUM	3
UNCIOLA IRRORATA	16
UNCIOLA INERMIS	1
LEPTOCHEIRUS PINGUIS	1
ERICHTHONIUS HUNTERI	1
EUDORELLA EMARGINATA	1
LEPTOCHELIA SAVIGNYI	1
AGLAOPHAMUS CIRCINATA	1
THARYX ACUTUS	18
EXOGONE HEBES	1
SPIOPHANES BOMBYX	29
SCALIBREGMA INFLATUM	7
EUCHONE RUBROCINCTA	27
AMPHARETE ARCTICA	2

STATION 94 DATE 30/06/74 DEPTH (M) 87 75% SAMPLE

LAT 4012.9N LONG 72+5.3W NO. SPECIES 27 NO. INDIVS 108

DIVERSITY 2.7952 EQUITABILITY 0.3475

SPECIES LISTING	TOTAL
LETOCHONE DISPAR	1
CLYMENELLA ZONALIS	3
PRIONOSPIO STEENSTRUPI	1
AGLAOPHAMUS CIRCINATA	3
SCALIBREGMA INFLATUM	1
AMPHARETE ARCTICA	6
DRILONEREIS MAGNA	2
STHENELAIS LIMICOLA	1
DRILONEREIS LONGA	1
POLYCIRRUS MEDUSA	1
EXOGONE HEBES	2
GONIADELLA GRACILIS	1
PROTODRILUS SYMBIOTICUS	5
CIROLANA POLITA	18
DIASTYLIS QUADRISPINOSA	2
EUDORELLA EMARGINATA	1
BYBLIS SERRATA	3
AMPELISCA VADORUM	1
COROPHIUM CRASSICORNE	1
UNCIOLA IRRORATA	7
TRICHOPHOXUS EPISTOMUS	4
PHASCOLOSOMA SP.	8
PHASCOLOSOMA SP.	1
CERASTODERMA PINNULATUM	1
SPIOPHANES BOMBYX	19
THARYX ACUTUS	6
EUCHONE RUBROCINCTA	8

STATION 100 DATE 30/06/74 DEPTH (M) 96 75% SAMPLE

LAT 4014.3N LONG 7245.3W NO. SPECIES 35 NO. INDIVS 191

DIVERSITY 2.7971 EQUITABILITY 0.7867

SPECIES LISTING	TOTAL
EDOTEA TRILOBA	2
DECAPOD	1
PROTOORILUS SYMBIOTICUS	1
AMPHARETE ARCTICA	13
PECTINARIA GOULDII	1
LEIOCHONE DISPAR	2
ARICIDEA JEFFREYSII	1
SCALIBREGMA INFLATUM	8
CLYMENELLA TORQUATA	1
CLYMENELLA ZONALIS	3
ASABELLIDES OCULATA	1
RHYNCHOCOELA	2
AGLAOPHAMUS CIRCINATA	4
EUCHONE RUBROCINCTA	31
THARYX ACUTUS	7
POLYCIRRUS SP.	3
HAPLOSCOLOPLOS ROBUSTUS	4
STHENELAIS LIMICOLA	4
GLYCERA SP.	1
LEPTOCHELIA SAVIGNYI	3
LEPTOCHELIA SAVIGNYI	1
EUDORELLA SP.	1
BYBLIS SERRATA	11
TRICHOPHOXUS EPISTOMUS	2
AMPELISCA MACROCEPHALA	1
UNCIOLA IRRORATA	11
CORPHIUM CRASSICORNE	2
PSEUDOUNCIOLA OBLIQUUA	6
ENSIS DIRECTUS	1
ARCTICA ISLANDICA	1
PHASCOLOSOMA SP.	10
SPIOPHANES BOMBYX	46
DRILONEREIS MAGNA	2
NEPEIS GRAYI	2
EXOGONE HEBES	1

STATION 102 DATE 30/06/74 DEPTH (M) 94 75% SAMPLE

LAT 4008.7N LONG 7242.6W NO. SPECIES 33 NO. INDIVS 105

DIVERSITY 2.9772 EQUITABILITY 0.8515

SPECIES LISTING	TOTAL
SABELLID 1	6
THARYX ACUTUS	13
AMPHARETE ARCTICA	3
SPIOPHANES BOMBYX	21
POLYDORA CONCHARUM	4
SCOLOPLOS ROBUSTUS	8
ORBINIA SWANI	1
GLYCERA DIBRANCHIATA	1
GLYCERA SP.	1
AGLAOPHAMUS CIRCINATA	3
ORILONEREIS MAGNA	3
PHOXOCEPHALUS HOLBOLLI	1
ARCTICA ISLANDICA	2
ENSIS DIRECTUS	1
ERICHTHONIUS HUNTERI	1
UNCIOLA IRRORATA	4
PSEUDUNCIOLA OBLIQUUA	6
BYBLIS SERRATA	5
LEPTOCHEIRUS PINGUIS	1
LEPTOCHELIA SAVIGNYI	1
PITAR MORRHUANA	1
GASTROPOD	1
PHASCOLOSOMA SP.	1
CERASTODERMA PINNULATUM	2
ASTARTE CASTANEA	1
HARMOTHOE SP.	1
ARICIDEA JEFFREYSII	3
EDOTEA TRILOBA	1
CENTROPAGES SP.	1
CLYMENELLA TORQUATA	1
POLYCIRRUS SP.	4
PROTODRILUS SYMBIOTICUS	1
PETALOSARSIA DECLIVIS	1

STATION 103 DATE 30/06/74 DEPTH (M) 92 75% SAMPLE

LAT 4006.7N LONG 7240.0W NO. SPECIES 40 NO. INDIVS 140

DIVERSITY 3.2017 EQUITABILITY 0.8673

SPECIES LISTING	TOTAL
OLIGOCHAETA	1
ARICIDEA JEFFREYSII	2
EUCHONE RUBROCINCTA	4
GONIADELLA GRACILIS	2
GLYCERA SP.	1
CHAETOZONE SETOSA	7
THARYX ANNULOSUS	1
ARCTICA ISLANDICA	1
THARYX ACUTUS	11
PHASCOLOSOMA SP.	10
POTAMILLA NEGLECTA	5
PHASCOLOSOMA SP.	1
NEREIS GRAYI	1
DIASTYLIS SCULPTA	1
CHIROODTEA TOFTSI	1
HARMOTHOE EXTENUATA	1
AMPHARETE ARCTICA	14
LEPTOCHEIRUS PINGUIS	1
EXOGONE HEBES	1
SCOLOPLOS ARMIGER	6
UNCIOLA IRRORATA	4
PHOXOCEPHALUS HOLBOLLI	2
HIPPOMEDON SERRATUS	1
AGLAOPHAMUS CIRCINATA	8
PROTODRILUS SYMBIOTICUS	1
ARICIDEA WASSI	1
LEPTOCHELIA SAVIGNYI	4
COPEPODA	1
SPIOPHANES BOMBYX	12
SOLARIELLA INFUNDIBULUM	1
SCALIBREGMA INFLATUM	13
LUMBRINERIS ACUTA	3
CRENELLA GLANDULA	1
CERASTODERMA PINNULATUM	1
GAULLERIELLA KILLARIENSIS	2
VENERICARDIA BOREALIS	1
LUNATIA HEROS	1
POLYCIFRUS MEDUSA	2
BYBLIS SERRATA	2
PSEUDUNCIOLA OBLIQUUA	13

STATION 1 DATE 22/02/75 DEPTH (M) 56 GRAB 1

LAT 3938.9N LONG 7331.5W NO. SPECIES 21 NO. INDIVS 48

TEMPERATURE 7.54 SALINITY 33.95 DISSOLVED OXYGEN 9.50

DIVERSITY 2.6779 EQUITABILITY 0.8796

SPECIES LISTING	TOTAL
ENSIS DIRECTUS	1
BYBLIS SERRATA	1
TRICHOPHOXUS EPISTOMUS	3
STHENELAIS LIMICOLA	1
LUMBRINERIS ACUTA	13
PROTODRILUS SYMBIOTICUS	2
PROTOHAUSTORIUS WIGLEYI	1
ACANTHOHAUSTORIUS SPINOSUS	3
LUNATIA HERUS	2
LEPTOGNATHA CAECA	1
UNCIOLA IRRORATA	1
CIROLANA POLITA	3
CLYMENELLA ZONALIS	1
PHASCOLOSOMA SP.	3
EUCHONE RUBROCINCTA	1
NEPHTYS BUCERA	3
THARYX ACUTUS	1
DRILONEREIS LONGA	1
SPIOPHANES BOMBYX	3
RHYNCHOCOELA	2
SCALIBREGMA INFLATUM	1

****

STATION 11 DATE 22/02/75 DEPTH (M) 59 GRAB 1

LAT 3938.8N LONG 7327.3W NO. SPECIES 11 NO. INDIVS 54

TEMPERATURE 6.70 SALINITY 33.63 DISSOLVED OXYGEN 9.60

DIVERSITY 1.8956 EQUITABILITY 0.7909

SPECIES LISTING	TOTAL
ARICIDEA WASSI	3
ARICIDEA JEFFREYSII	2
CAULLERIELLA KILLARIENSIS	3
NEPHTYS PICTA	1
PHASCOLOSOMA SP.	20
NEPHTYS BUCERA	1
TRICHOPHOXUS EPISTOMUS	9
PSEUDUNCIOLA OBLIQUUA	9
CIROLANA POLITA	1
LUMBRINERIS ACUTA	1
GLYCERA DIBRANCHIATA	4

STATION 29 DATE 23/02/75 DEPTH (M) 56 GRAB 1

LAT 3938.6N LONG 7323.6W NO. SPECIES 17 NO. INDIVS 67

TEMPERATURE 6.70 SALINITY 33.63 DISSOLVED OXYGEN 10.10

DIVERSITY 2.2461 EQUITABILITY 0.7928

SPECIES LISTING	TOTAL
SYLLIS CORNUTA	1
LUMBRINERIS ACUTA	19
GONIADELLA GRACILIS	2
AMPHARETE ARCTICA	1
NEPHTYS BUCERA	1
LEIOCHONE DISPAR	2
PHASCOLOSOMA SP.	17
THARYX ANNULOSUS	2
THARYX ACUTUS	1
LUMBRINERIS TENUIS	1
PROTODRILUS SYMBIOTICUS	3
TRICHOPHOXUS EPISTOMUS	3
COPEPODA	5
PHOXOCEPHALUS HOLBOLLI	2
CLYMENELLA ZONALIS	2
CHIRODOTEA TUFTSI	4
ACANTHOHAUSTORIUS SPINOSUS	1

STATION 56 DATE 23/02/75 DEPTH (M) 65 GRAB 1

LAT 3938.4N LONG 7320.0W NO. SPECIES 19 NO. INDIVS 90

TEMPERATURE 6.79 SALINITY 33.68 DISSOLVED OXYGEN 10.10

DIVERSITY 2.2656 EQUITABILITY 0.7694

SPECIES LISTING	TOTAL
AMPHARETE ARCTICA	1
POLYCIRRUS MEDUSA	1
SYLLIS CORNUTA	1
GONIADELLA GRACILIS	20
GLYCERA DIBRANCHIATA	2
CLYMENELLA ZONALIS	18
LEIOCHONE DISPAR	4
NEPHTYS PICTA	1
LUMBRINERIS ACUTA	21
CRANGON SEPTEMSPINOSA	1
UNCIOLA IRRORATA	2
TRICHOPHOXUS EPISTOMUS	2
PHASCOLOSOMA SP.	1
PERIPLOMA FRAGILIS	1
PROTODRILUS SYMBIOTICUS	5
SPIOPHANES BOMBYX	3
SCALIBREGMA INFLATUM	2
ARICIDEA JEFFREYSII	2
PARAONIS LYRA	2

****

STATION 64 DATE 23/02/75 DEPTH (M) 63 GRAB 1

LAT 3938.0N LONG 7317.0W NO. SPECIES 14 NO. INDIVS 79

TEMPERATURE 6.32 SALINITY 0.0 DISSOLVED OXYGEN 9.80

DIVERSITY 2.0437 EQUITABILITY 0.7744

SPECIES LISTING	TOTAL
CLYMENELLA ZONALIS	11
COPEPODA	1
LEIOCHONE DISPAR	2
GONIADELLA GRACILIS	19
GLYCERA SP.	1
ARICIDEA JEFFREYSII	6
PHASCOLOSOMA SP.	3
PHOXOCEPHALUS HOLBOLLI	4
TRICHOPHOXUS EPISTOMUS	2
AMPHARETE ARCTICA	1
PHASCOLOSOMA SP.	2
SPIOPHANES BOMBYX	2
SIGALION ARENICOLA	1
LUMBRINERIS ACUTA	24

STATION 65 DATE 22/02/75 DEPTH (M) 66 GRAB 1

LAT 3937.7N LONG 7314.3W NO. SPECIES 19 NO. INDIVS 256

TEMPERATURE 6.90 SALINITY 33.51 DISSOLVED OXYGEN 10.20

DIVERSITY 1.9622 EQUITABILITY 0.6664

SPECIES LISTING	TOTAL
PHOXOCEPHALUS HOLBOLLI	3
PENEIDAE	1
PHASCOLOSOMA SP.	2
UNCIOLA IRRORATA	1
COPEPODA	4
LEIOCHONE DISPAR	1
EXOGONE HEBES	1
CLYMENELLA ZONALIS	74
CIROLANA POLITA	36
CHIROJUTEA CAECA	2
THARYX ACUTUS	8
ARICIDEA WASSI	1
APHRODITA HASTATA	1
GONIADELLA GRACILIS	52
NEPHTYS BUCERA	1
ARICIDEA JEFFREYSII	20
LUMBRINERIS ACUTA	46
PROTODORVILLEA BIARTICULATA	1
GLYCERA DIBRANCHIATA	1

STATION 72 DATE 22/02/75 DEPTH (M) 69 GRAB 1

LAT 4016.8N LONG 7253.2W NO. SPECIES 17 NO. INDIVS 161

TEMPERATURE 5.83 SALINITY 33.48 DISSOLVED OXYGEN 9.90

DIVERSITY 1.7567 EQUITABILITY 0.6200

SPECIES LISTING	TOTAL
JNCIOLA IRRORATA	2
PHYLLODOCE MOCOSA	1
TRICHOPHOXOS EPISTOMOS	2
ARCTICA ISLANDICA	1
AMPELISCA VERRILLI	8
SCALIBREGMA INFLATUM	11
AGLAOPHAMOS CIRCINATA	4
ARICIDEA WASSI	2
COPEPODA	1
CLYMENELLA ZONALIS	4
SPIOPHANES BOMBYX	89
EUCHONE RUBROCINCTA	3
PRIONOSPIO STEENSTRUPI	1
THARYX ACUTUS	5
GLYCERA OIBRANCHIATA	8
PROTODRILUS SYMBIOTICUS	2
AMPHARETE ARCTICA	17

STATION 82 DATE 22/02/75 DEPTH (M) 84 GRAB 1

LAT 4014.8N LONG 7230.5W NO. SPECIES 20 NO. INDIVS 174

TEMPERATURE 6.21 SALINITY 33.57 DISSOLVED OXYGEN 9.70

DIVERSITY 2.0248 EQUITABILITY 0.6759

SPECIES LISTING	TOTAL
PHOLOE MINUTA	1
LEPTOCHEIRUS PINGUIS	1
PHOXOCEPHALUS HOLBOLLI	1
BYBLIS SERRATA	3
SCALIBREGMA INFLATUM	21
COPEPODA	1
ONCIOLA IRRORATA	1
THARYX ACUTUS	52
MITRELLA LUNATA	1
AGLAOPHAMUS CIRCINATA	3
ORILONEREIS MAGNA	2
EUCHONE RUBROCINCTA	5
GLYCERA SP.	1
NEREIS GRAYI	1
PRIONOSPIO STEENSTRUPI	2
CLYMENELLA ZONALIS	5
PROTODRILUS SYMBIOTICUS	8
AMPHARETE ARCTICA	51
SPIOPHANES BOMBYX	13
CIROLANA POLITA	1

STATION 86 DATE 22/02/75 DEPTH (M) 90 GRAB 1

LAT 4012.7N LONG 7247.8W NO. SPECIES 15 NO. INDIVS 80

TEMPERATURE 6.90 SALINITY 33.62 DISSOLVED OXYGEN 9.70

DIVERSITY 2.1159 EQUITABILITY 0.7817

SPECIES LISTING	TOTAL
SPIOPHANES BOMBYX	10
AMPHARETE ARCTICA	20
ASTARTE CASTANEA	1
CLYMENELLA ZONALIS	8
THARYX ACUTUS	6
LEIOCHONE DISPAR	1
TRICHOPHOXUS EPISTOMUS	1
POTAMILLA NEGLECTA	1
EUCHONE RUBROCINCTA	1
SCALIBREGMA INFLATUM	2
DRILONEREIS LONGA	1
AGLAOPHAMUS CIRCINATA	1
AMPELISCA AGASSIZI	4
PTILANTHURA TRICARINATA	1
GLYCERA DIBRANCHIATA	2

****

STATION 92 DATE 22/02/75 DEPTH (M) 90 GRAB 1

LAT 4010.8N LONG 7245.2W NO. SPECIES 18 NO. INDIVS 106

TEMPERATURE 7.80 SALINITY 33.67 DISSOLVED OXYGEN 10.30

DIVERSITY 2.2245 EQUITABILITY 0.7696

SPECIES LISTING	TOTAL
PHOXOCEPHALUS HOLBOLLI	1
SCALIBREGMA INFLATUM	10
NEREIS GRAYI	1
LEPTOCHELIA SAVIGNYI	1
PROTODRILUS SYMBIOTICUS	3
THARYX ACUTUS	24
LEIOCHONE DISPAR	1
GONIADELLA GRACILIS	2
LUMBRINERIS ACUTA	11
HAPLOSCOLOPLOS ROBUSTUS	1
ARICIDEA JEFFREYSII	1
AGLAOPHAMUS CIRCINATA	3
SPIOPHANES BOMBYX	27
AMPHARETE ARCTICA	12
DRILONEREIS MAGNA	3
UNCIOLA INERMIS	1
CIROLANA POLITA	2
CHIRODOTEA TUFTSI	2

STATION 100 DATE 22/02/75 DEPTH (M) 96 GRAB 1

LAT 4038.3N LONG 72+2.6W NO. SPECIES 28 NO. INDIVS 250

TEMPERATURE 7.20 SALINITY 33.74 DISSOLVED OXYGEN 9.70

DIVERSITY 1.8309 EQUITABILITY 0.5675

SPECIES LISTING	TOTAL
THARYX ANNULOSUS	3
PHASCOLOSOMA SP.	3
AGLAOPHAMUS CIRCINATA	1
ARCTICA ISLANDICA	3
ENSIS DIRECTUS	1
PSEUDUNCIOLA OBLIQUJA	1
ORILONEREIS MAGNA	1
NEPHTHYS DISCORS	1
POTAMILLA NEGLECTA	1
GLYCERA DIBRANCHIATA	2
GLYCERA SP.	1
EDOTEA TRILOBA	1
TRICHOPHOXUS EPISTOMUS	1
PHASCOLOSOMA SP.	1
NEREIS GRAYI	4
PROTODRILUS SYMBIOTICUS	6
SCOLOPLOS ARMIGER	6
CLYMENELLA ZONALIS	3
THARYX ACUTUS	26
UNCIOLA IRRORATA	4
AMPELISCA VERRILLI	3
BYBLIS SERRATA	3
PHOXOCEPHALUS HOLBOLLI	1
SCALIBREGMA INFLATUM	21
POLYCIRRUS MEDUSA	2
SPIOPHANES BOMBYX	137
AMPHARETE ARCTICA	12
MEDIOMASTUS AMBISETAE	1

STATION 102 DATE 22/02/75 DEPTH (M) 94 GRAB 1

LAT 4036.7N LONG 7240.0W NO. SPECIES 24 NO. INDIVS 163

TEMPERATURE 7.22 SALINITY 33.74 DISSOLVED OXYGEN 9.50

DIVERSITY 2.1301 EQUITABILITY 0.6702

SPECIES LISTING	TOTAL
PHASCOLOSOMA SP.	1
CAULLERIELLA KILLARIENSIS	3
AMPELISCA VERRILLI	2
ARICIDEA JEFFREYSII	1
POLYCIRRUS MEDUSA	2
EUCHONE RUBROCINCTA	3
APHRODITA HASTATA	1
LUNATIA HERUS	1
UNCIOLA IRRORATA	1
TRICHOPHOXUS EPISTOMUS	6
PHASCOLOSOMA SP.	3
PHYLLODOCE ARENAE	1
AMPHARETE ARCTICA	5
SPIOPHANES BOMBYX	72
CLYMENELLA TORQUATA	10
SCALIBREGMA INFLATUM	24
THARYX ACUTUS	16
AGLAOPHAMUS CIRCINATA	3
DRILONEREIS MAGNA	1
ARCTICA ISLANDICA	1
PROTOHAUSTORIUS DEICHMANNAE	1
BYBLIS SERRATA	8
ENSIS DIRECTUS	1
PHASCOLOSOMA SP.	1

Table V. Machine listed benthic macrofauna data collected at 60 sampling stations located in the corridor between 20-35 fathom bathymetries, from Montauk to Cape May.

Table VI

Metal Concentrations in the top 1½ inches of sediment collected from alternate dump sites in the New York Bight. Stations 1-29.

Lab Code	Field Code		Metal Concentrations (ppm, dry weight)[a]					
			Cd	Cr	Cu	Ni	Pb	Zn
14905	D-75-2	DUPI -1 G1	ND[b]	ND	ND	4.8	ND	7.2
14906	"	" G2	ND	ND	ND	7.2	ND	6.5
14907	"	" G3	ND	ND	ND	ND	ND	4.5
14908	"	" G4	ND	ND	ND	5.7	ND	6.8
14909	"	" G5	ND	ND	ND	6.2	ND	---
14910		DUPI Sta. 1	ND	ND	ND	7.4	ND	7.1
14911		" Sta. 2	ND	ND	ND	5.5	ND	7.9
14912		" Sta. 3	ND	ND	ND	7.0	ND	7.6
14913		" Sta. 4	ND	ND	ND	6.0	ND	9.1
14914		" Sta. 5	ND	ND	ND	8.9	ND	9.5
14915		" Sta. 6	ND	ND	ND	7.2	ND	8.4
14916		" Sta. 7	ND	ND	ND	8.5	ND	9.4
14917		" Sta. 9	ND	ND	ND	6.9	ND	10.2
14918		" Sta. 10	ND	ND	ND	8.2	ND	9.4
14919	D-75-2	DUPI 11 G1	ND	ND	ND	8.4	Nd	8.0
14920	"	" G2	ND	ND	ND	6.0	ND	9.7
14921	"	" G3	ND	ND	ND	4.5	ND	9.2
14922	"	" G4	ND	ND	ND	8.6	ND	8.1
14923	"	" G5	ND	ND	ND	9.6	ND	8.9
15052		DUPI Sta. 11	ND	ND	ND	ND	ND	9.7
14924		" Sta. 12	ND	ND	ND	11.2	ND	8.9
14925		" Sta. 13	ND	ND	ND	9.3	ND	9.8
14926		" Sta. 21	ND	ND	ND	9.7	ND	10.1
14927		" Sta. 29	ND	ND	ND	8.6	ND	10.2
14928	D-75-2	DUPI 29 G1	ND	ND	ND	7.7	ND	9.9
14929	"	" G2	ND	ND	ND	11.6	4.0	9.8
14930	"	" G3	ND	ND	ND	9.3	ND	9.9
14931	"	" G4	ND	ND	ND	6.2	ND	9.6

a. Values are the mean of duplicate measurements.

b. ND= Not Detectable - Detection limits= Cd-1.0, Cu-4.0, Pb-4.0, Cr-4.0 to 4.4 Ni-4.0, Zn-3.0.

Metal concentrations in the top 1½ inches of sediment collected from alternate dump sites in the New York Bight, Stations 37-64.

Lab Code	Field Code		Metal Concentrations (ppm, dry weight)[a]					
			Cd	Cr	Cu	Ni	Pb	Zn
14932		DUPI Sta. 37	ND[b]	ND	ND	9.8	4.0	10.6
14933		" Sta. 45	ND	ND	ND	9.5	ND	9.7
14934		" Sta. 53	ND	ND	ND	8.1	ND	9.8
14935		" Sta. 54	ND	ND	ND	8.1	ND	11.4
14936		" Sta. 55	ND	ND	ND	9.5	ND	10.2
14937	D-75-2	DUPI 56 G1	ND	ND	ND	8.3	ND	13.4
14938	"	" G2	ND	ND	ND	8.2	ND	11.6
14939	"	" G3	ND	ND	ND	ND	4.0	11.3
14940	"	" G4	ND	ND	ND	7.5	4.0	11.1
14941	"	" G5	ND	ND	ND	9.6	ND	12.3
14942		DUPI Sta. 56	ND	ND	ND	8.1	ND	13.5
14943		" Sta. 57	ND	ND	ND	7.1	ND	10.4
14944		" Sta. 58	ND	ND	ND	10.2	ND	11.8
14945		" Sta. 59	ND	ND	ND	8.1	ND	10.8
14946		" Sta. 60	ND	ND	ND	4.9	4.0	9.8
14947		" Sta. 61	ND	ND	ND	5.9	ND	12.3
14948		" Sta. 62	ND	ND	ND	7.5	ND	11.5
14949		" Sta. 63	ND	ND	ND	5.6	ND	12.9
14950		" Sta. 64	ND	ND	ND	ND	ND	13.7
14951	D-75-2	DUPI 64 G1	ND	ND	ND	8.9	ND	11.4
14952	"	" G2	ND	ND	ND	ND	ND	11.5
14953	"	" G3	ND	ND	ND	10.4	ND	12.5
14954	"	" G4	ND	ND	ND	9.2	ND	13.2
14955	"	" G5	ND	ND	ND	8.5	ND	12.5
14956		DUPI Sta. 65	ND	ND	ND	12.4	ND	12.3

a. Values are the mean of duplicate measurements.

b. ND= Not Detectable (See Table 1 for detection limits).

Metal concentrations in the top 1½ inches of sediment collected from alternate dump sites in the New York Bight, Stations 66-88.

Lab Code	Field Code		Metal Concentrations (ppm, dry weight)[a]					
			Cd	Cr	Cu	Ni	Pb	Zn
14957	D-75-2	DUPI 66 G1	ND[b]	ND	ND	8.5	4.0	13.0
14958	"	" G2	ND	ND	ND	9.6	ND	12.1
14959	"	" G3	ND	ND	ND	8.0	4.0	12.6
14960	"	" G4	ND	ND	ND	6.8	ND	12.1
14961	"	" G5	ND	ND	ND	---	5.0	11.8
14962		DUPI Sta. 66	ND	ND	ND	7.9	4.0	12.8
14963		" Sta. 67	ND	ND	ND	11.0	5.0	12.3
14964		" Sta. 68	ND	ND	ND	6.3	6.0	13.0
14965		" Sta. 69	ND	ND	ND	11.3	6.0	11.8
14966		" Sta. 70	ND	ND	ND	17.2	5.0	29.2
14967		" Sta. 71	ND	ND	ND	---	5.0	10.9
14968		" Sta. 72	ND	ND	ND	6.5	4.0	ND
14969	D-75-2	DUPI 72 G1	ND	ND	ND	5.8	ND	7.3
14870	"	" G2	ND	ND	ND	ND	ND	3.6
14971	"	" G3	ND	ND	ND	6.8	ND	7.1
14972	"	" G4	ND	ND	ND	4.7	ND	5.8
14943	"	" G5	ND	ND	ND	6.9	ND	4.1
14974		DUPI Sta. 73	ND	ND	ND	ND	ND	4.2
14975		" Sta. 74	ND	ND	ND	6.3	ND	4.8
14976		" Sta. 75	ND	ND	ND	ND	4.0	6.6
14977		" Sta. 76	ND	ND	ND	ND	ND	4.0
14978		" Sta. 77	ND	3.9	ND	--	ND	4.8
14979		" Sta. 78	ND	ND	ND	6.1	ND	6.2
14980		" Sta. 79	ND	5.1	ND	6.2	4.0	9.9
14981		" Sta. 80	ND	ND	ND	6.1	ND	4.0
14982		" Sta. 81	ND	ND	ND	ND	ND	6.6

a. Values are the mean of duplicate measurements.

b. ND= Not Detectable (See Table 1 for detection limits).

.. Metal concentrations in the top 1½ inches of sediment collected from alternate dump sites in the New York Bight.

Lab Code	Field Code		Metal Concentrations (ppm, dry weight)[a]					
			Cd	Cr	Cu	Ni	Pb	Zn
14983	D-75-2	DUPI 82 G1	ND[b]	ND	ND	ND	ND	5.6
14984	"	" G2	ND	ND	ND	ND	ND	5.7
14985	"	" G3	ND	ND	ND	ND	ND	5.5
14986	"	" G4	ND	ND	ND	5.1	ND	4.6
14987	"	" G5	ND	ND	ND	5.8	ND	6.4
14988		DUPI Sta. 82	ND	ND	ND	ND	ND	6.6
14989		" Sta. 83	ND	ND	ND	4.6	ND	6.1
14990		" Sta. 84	ND	ND	ND	ND	ND	6.8
14991		" Sta. 85	ND	ND	ND	4.7	ND	5.3
14992	D-75-2	DUPI 86 G1	ND	ND	ND	6.3	ND	5.5
14993	"	" G2	ND	ND	ND	6.1	5.0	8.3
14994	"	" G3	ND	ND	ND	5.6	4.0	7.1
14996	"	DUPI Sta.86 G4	ND	ND	ND	6.4	4.0	5.0
14997	"	DUPI 86 G4	ND	ND	ND	5.9	4.0	4.7
14998	"	" G5	ND	ND	ND	ND	4.0	6.7
14999		DUPI Sta. 86	ND	ND	ND	ND	5.0	8.8
15000		" Sta. 87	ND	ND	ND	ND	6.0	11.3
14995		" Sta. 88	ND	ND	ND	6.1	4.0	9.0
15001		" Sta. 89	ND	ND	ND	ND	ND	6.1
15002		" Sta. 90	ND	ND	ND	ND	ND	8.4
15003		" Sta. 91	ND	ND	ND	5.0	7.0	12.1
15004	D-75-2	DUPI 92 G1	ND	ND	ND	ND	ND	12.4
15005	"	" G2	ND	ND	ND	6.2	ND	11.0
15006	"	" G3	ND	ND	ND	ND	ND	11.7
15007	"	" G4	ND	ND	ND	6.0	ND	11.1
15008	"	" G5	ND	ND	ND	ND	ND	10.1
15009		DUPI Sta. 92	ND	ND	ND	5.1	ND	12.0
15010		" Sta. 93	ND	ND	ND	10.3	5.0	12.9
15011		Sta. 94	ND	ND	ND	ND	ND	5.4

a. Values are the mean of duplicate measurements.

b. ND= Not Detectable (See Table 1 for detection limits).

Metal concentrations in the top 1½ inches of sediment collected from alternate dump sites in the New York Bight.

Lab Code	Field Code		Metal Concentrations (ppm, dry weight)[a]					
			Cd	Cr	Cu	Ni	Pb	Zn
15012		DUPI Sta. 95	ND[b]	ND	ND	ND	ND	6.6
15013		" Sta. 96	ND	4.6	ND	7.8	8.0	14.7
15014		" Sta. 97	ND	ND	ND	ND	4.0	7.8
15015		" Sta. 98	ND	ND	ND	ND	7.0	12.0
15016		" Sta. 99	ND	ND	ND	5.2	7.0	8.8
15017	D-75-2	DUPI 100 G1	ND	ND	ND	ND	ND	7.7
15018	"	" G2	ND	ND	ND	ND	6.0	9.2
15019	"	" G3	ND	ND	ND	5.8	ND	7.4
15020	"	" G4	ND	ND	ND	7.6	ND	7.1
15021	"	" G5	ND	ND	ND	ND	ND	7.8
15022		DUPI Sta. 100	ND	6.1	ND	9.4	6.0	12.5
15023		" Sta. 101	ND	4.5	ND	6.1	ND	8.0
15024	D-75-2	DUPI 102 G1	ND	ND	ND	4.5	5.0	9.4
15025	"	" G2	ND	ND	ND	ND	ND	8.3
15026	"	" G3	ND	ND	ND	5.2	6.0	9.3
15027	"	" G4	ND	ND	ND	ND	4.0	8.5
15028	"	" G5	ND	ND	ND	ND	ND	7.0
15029		DUPI Sta. 102	ND	ND	ND	7.9	6.0	7.4
15030		" Sta. 103	ND	ND	ND	5.5	4.0	6.9
15031		" Sta. 104	ND	ND	ND	5.0	4.0	8.2

a. Values are the mean of duplicate measurements.

b. ND= Not Detectable (See Table 1 for detection limits).

Table VII

Lab Code	Field Code		Cd	Cr	Cu	Ni	Pb	Zn
16036	D-75-4-1	G1	<1.0	4.6	<4.0	<4.0	4.0	12.0
16037		G2	<1.0	<4.0	<4.0	<4.0	<6.0	7.8
16038		G3	<1.0	5.2	3.8	<4.0	10.0	13.8
16039		G4	<1.0	5.6	4.8	<4.0	14.0	15.2
16040		G5	<1.0	4.0	<4.0	<4.0	4.0	10.8
16041	-2		<1.0	<4.0	<4.0	<4.0	<6.0	4.0
16042	-3		<1.0	<4.0	<4.0	<4.0	<6.0	5.4
16043	-4		<1.0	<4.0	<4.0	<4.0	<6.0	4.4
16044	-5		<1.0	4.0	<4.0	<4.0	<6.0	8.2
16045	-6		<1.0	<4.0	<4.0	<4.0	<6.0	10.2
16046	-7		<1.0	5.6	<4.0	<4.0	<6.0	9.0
16047	-8		<1.0	5.6	<4.0	<4.0	<6.0	8.8
16048	-9		<1.0	8.0	<4.0	<5.0	<6.0	19.2
16049	D-75-4-10	G1	<1.0	<4.0	<4.0	<4.0	<6.0	9.6
16050		G2	<1.0	4.6	<4.0	<4.0	<6.0	11.4
16051		G3	<1.0	5.0	<4.0	<4.0	<6.0	10.6
16052		G4	<1.0	6.0	<4.0	<4.0	6.0	12.8
16053		G5	<1.0	4.0	<4.0	<4.0	<6.0	10.6
16054	-11		<1.0	5.2	<4.0	<4.0	<6.0	10.6
16055	-12		<1.0	4.0	<4.0	<4.0	<6.0	9.4
16056	-13		<1.0	<4.0	<4.0	<4.0	<6.0	7.8
16057	-14		<1.0	<4.0	<4.0	<4.0	<6.0	6.6
16058	-15		<1.0	<4.0	<4.0	<4.0	<6.0	6.8
16059	-16		<1.0	<4.0	<4.0	<4.0	<6.0	2.8
16060	-17		<1.0	<4.0	<4.0	<4.0	<6.0	3.6
16061	-18		<1.0	<4.0	<4.0	<4.0	<6.0	3.2
16062	-19		<1.0	<4.0	<4.0	<4.0	<6.0	2.0
16063	D-75-4-20	G1	<1.0	<4.0	<4.0	<4.0	<6.0	8.4
16064		G2	<1.0	4.2	<4.0	<4.0	<6.0	9.2
16065		G3	<1.0	<4.0	<4.0	<4.0	<6.0	7.8
16066		G4	<1.0	<4.0	<4.0	<4.0	<6.0	7.8
16067		G5	<1.0	<4.0	<4.0	<4.0	<6.0	7.4

Lab Code	Field Code		Cd	Cr	Cu	Ni	Pb	Zn
16068	D-75-4-21		<1.0	<4.0	<4.0	<4.0	<6.0	6.4
16069	-22		<1.0	<4.0	<4.0	<4.0	<6.0	11.6
16070	-23		<1.0	<4.0	<4.0	<4.0	<6.0	6.6
16071	-24		<1.0	<4.0	<4.0	<4.0	<6.0	4.2
16072	-25		<1.0	<4.0	<4.0	<4.0	<6.0	6.2
16073	-26		<1.0	<4.0	<4.0	<4.0	<6.0	8.4
16074	-27		<1.0	4.2	<4.0	<4.0	<6.0	6.6
16075	-28		<1.0	5.2	<4.0	<4.0	<6.0	7.4
16076	-29		<1.0	5.6	<4.0	4.4	<6.0	9.2
16077	D-75-4-30	G1	<1.0	<4.0	<4.0	5.2	<6.0	15.4
16078		G2	<1.0	<4.0	<4.0	<4.0	<6.0	11.0
16079		G3	<1.0	4.2	<4.0	<4.0	<6.0	12.2
16080		G4	<1.0	<4.0	<4.0	<4.0	<6.0	8.6
16081		G5	<1.0	<4.0	<4.0	<4.0	<6.0	8.8
16082	-31		<1.0	5.6	<4.0	<4.0	<6.0	9.2
16083	-32		<1.0	<4.0	<4.0	4.2	<6.0	12.6
16084	-33		<1.0	4.8	<4.0	<4.0	<6.0	5.4
16085	-34		<1.0	<4.0	<4.0	4.4	<6.0	9.0
16086	-35		<1.0	<4.0	<4.0	4.8	<6.0	10.0
16087	-36		<1.0	9.8	<4.0	7.4	<6.0	22.4
16088	-37		<1.0	<4.0	<4.0	<4.0	<6.0	7.8
16089	-38		<1.0	4.8	<4.0	<4.0	<6.0	4.4
16090	-39		<1.0	6.0	<4.0	4.0	<6.0	9.8
16091	D-75-4-40	G1	<1.0	4.8	<4.0	<4.0	<6.0	4.8
16092		G2	<1.0	4.6	<4.0	<4.0	<6.0	4.0
16093		G3	<1.0	4.4	<4.0	<4.0	<6.0	5.4
16094		G4	<1.0	4.8	<4.0	<4.0	<6.0	6.4
16095		G5	<1.0	4.0	<4.0	<4.0	<6.0	4.8

Lab Code	Field Code		Cd	Cr	Cu	Ni	Pb	Zn
16096	D-75-4-41		<1.0	<4.0	<4.0	<4.0	<6.0	3.8
16097	-42		<1.0	<4.0	<4.0	<4.0	<6.0	2.2
16098	-43		<1.0	<4.0	<4.0	<4.0	<6.0	2.6
16099	-44		<1.0	<4.0	<4.0	<4.0	<6.0	7.6
16100	-45		<1.0	<4.0	<4.0	<4.0	<6.0	2.6
16101	-46		<1.0	<4.0	<4.0	<4.0	<6.0	5.4
16102	-47		<1.0	<4.0	<4.0	<4.0	<6.0	8.4
16103	-48		<1.0	<4.0	<4.0	<4.0	<6.0	9.0
16104	-49		<1.0	4.6	<4.0	<4.0	<6.0	9.6
16105	D-75-4-50	G1	<1.0	<4.0	<4.0	<4.0	<6.0	6.8
16106		G2	<1.0	<4.0	<4.0	<4.0	<6.0	5.8
16107		G3	<1.0	<4.0	<4.0	<4.0	<6.0	7.8
16108		G4	<1.0	4.0	<4.0	<4.0	<6.0	9.0
16109		G5	<1.0	<4.0	<4.0	<4.0	<6.0	8.2
16110	-51		<1.0	<4.0	<4.0	<4.0	<6.0	7.4
16111	-52		<1.0	<4.0	<4.0	<4.0	<6.0	7.2
16112	-53		<1.0	<4.0	<4.0	<4.0	<6.0	3.4
16113	-54		<1.0	<4.0	<4.0	<4.0	<6.0	5.4
16114	-55		<1.0	4.8	<4.0	<4.0	<6.0	10.4
16115	-56		<1.0	<4.0	<4.0	<4.0	<6.0	4.0
16116	-57		<2.5	<10.0	<10.0	<10.0	<15.0	19.5
16117	-58		<1.0	<4.0	<4.0	4.2	6.0	13.4
16118	-59		<1.0	<4.0	<4.0	<4.0	<6.0	7.4
16119	D-75-4-60	G1	<1.0	<4.0	<4.0	<4.0	<6.0	9.8
16120		G2	<1.0	<4.0	<4.0	<4.0	<6.0	13.8

Table VIII

Trace metal concentrations in the upper 1.5 inches of sediments collected from stations near disposal site 106.

Station and Grab #	Metals (Cmc. in PPM, dry sediment)				
	Cr	Cu	Ni	Pb	Zr
A1, grab 1	16.8	13.4	12.6	16.0	33.2
grab 2	21.8	21.6	20.6	24.0	45.0
A2, grab 1	26.2	28.2	24.2	26.0	60.0
grab 2	23.2	24.0	19.0	28.0	53.0
A3, grab 1	25.6	28.0	22.8	26.0	59.0
grab 2	23.4	19.6	17.8	24.0	58.0
A4, grab 1	27.4	29.6	28.4	32.0	63.0
grab 2	24.2	26.6	24.4	32.0	56.0
A5, grab 1	26.8	31.2	29.6	32.0	61.0
grab 2	28.0	30.6	28.4	26.0	64.0
A6, grab 1	28.6	37.2	32.4	26.0	65.0
grab 2	27.8	34.8	31.8	30.0	53.0
A7, grab 1	25.4	26.2	23.0	26.0	56.0
grab 2	22.6	23.6	22.4	20.0	53.0
A6, N	26.8	32.0	28.6	26.0	56.0
A6, E	24.6	36.0	28.2	26.0	56.0
A6, S	23.4	29.0	29.8	24.0	52.0
A6, SW	26.4	32.6	26.4	28.0	54.0
A6, W	27.4	34.0	27.8	30.0	57.0
A6, NW	26.6	34.6	33.6	28.0	58.0
Test 1, grab 1	6.8	3.0	3.2	6.0	14.8
grab 2	6.6	3.0	4.2	8.0	13.2

Table IX. Grain size analyses for samples collected at 60 sampling stations located between the 20-35 fathom bathymetries, from Montauk to Cape May.

SECOND PORTION OF D-75-4-( ) SERIES

SAMPLE	MEAN DIA IN MM	MEDIAN DIA IN MM	SORTING INDEX	GRAPHIC SKEW	GRAPHIC KURT	WEIGHT PERCENT RETAINED ON MESH SIZE IN MM 4.0	2.0	1.0	0.5	0.25	0.125	0.0625	0.0156	0.004	CLAY LESS THAN 0.004
(8)	.459	.456	.588	-.080	1.041	.00	1.01	3.80	35.82	55.14	4.19	.04	.00	.00	.00
(10)	.458	.433	.750	-.191	1.007	.00	1.79	6.69	29.92	54.56	6.82	.22	.00	.00	.00
(2)	.293	.290	.559	.120	1.106	.00	.00	.09	4.59	63.59	30.09	1.65	.00	.00	.00
(27)	.315	.307	.551	-.187	1.279	.60	1.24	1.28	7.27	66.96	22.52	.13	.00	.00	.00
(5)	.408	.404	.544	-.086	1.113	.45	.93	1.32	22.47	68.85	5.90	.08	.00	.00	.00
(22)	.174	.171	.363	-.172	.836	.00	.00	.02	.03	6.68	88.86	4.41	.00	.00	.00
(14)	.231	.289	.555	-.027	.943	.00	.00	.02	6.49	58.44	34.47	.58	.00	.00	.00
(4)	.402	.398	.576	-.044	1.093	.00	.23	1.89	23.54	65.87	8.34	.13	.00	.00	.00
(11)	.511	.478	.906	-.302	1.339	1.84	4.44	7.48	32.75	48.58	4.81	.09	.00	.00	.00
(55)	.471	.468	.684	.007	.878	.00	.00	3.10	41.99	47.52	7.20	.20	.00	.00	.00
(29)	.249	.254	.388	.174	.879	.00	.00	.00	.66	51.31	47.39	.64	.00	.00	.00
(28)	.417	.415	.505	-.054	.925	.00	.00	.83	27.61	66.96	4.51	.09	.00	.00	.00
(60)	.205	.202	.519	-.050	.795	.00	.00	.07	1.03	29.39	63.92	5.59	.00	.00	.00
(20)	.032	.032	.622	.000	.738	.00	.00	.00	.00	.01	.04	1.48	98.47	.00	.00
(39)	.359	.355	.571	-.126	1.055	.40	.80	1.07	17.86	66.67	12.98	.22	.00	.00	.00
(42)	.626	.583	.938	-.253	1.180	1.73	5.92	13.34	39.89	36.42	2.64	.06	.00	.00	.00
(3)	.369	.358	.541	-.094	1.056	.00	.00	1.19	17.61	70.03	10.94	.24	.00	.00	.00
(59) *	.256	.264	.754	.322	1.944	.00	.00	.04	2.51	53.94	36.97	1.12	1.87	1.78	1.77
(51)	.403	.397	.527	-.080	.984	.00	.19	1.09	24.00	68.74	5.97	.02	.00	.00	.00
(50)	.479	.478	.524	-.025	.999	.00	.09	1.66	43.58	52.66	1.99	.02	.00	.00	.00
(45)	.390	.384	.551	-.014	.978	.00	.00	.40	23.75	65.74	9.98	.14	.00	.00	.00
(44)	.214	.212	.598	-.109	.939	.00	.14	.55	3.35	31.17	59.31	5.49	.00	.00	.00
(1)	.127	.143	1.474	.413	2.865	.00	.00	.00	.76	15.38	48.35	19.09	6.53	5.65	4.25
(9)	.093	.131	2.035	.435	1.404	.00	.07	.46	2.93	19.42	30.13	20.84	12.72	7.95	5.50
(30)	.353	.339	.918	.136	2.063	.00	.04	1.41	18.35	62.29	12.38	.19	1.99	1.88	1.55
(36)	.201	.288	2.178	.439	1.750	.00	2.49	4.62	16.10	34.66	18.06	6.06	8.40	5.91	4.18
(57)	.142	.152	2.133	.186	1.544	.00	1.16	3.60	12.47	17.83	25.71	19.25	9.69	6.38	3.91
(58)	.180	.176	2.377	.082	1.835	.63	5.15	6.02	10.15	17.10	32.40	10.76	7.59	5.51	4.70

Table IX

Table X

Total Aerobic Count in Marine Sediments
From Proposed Alternate Dumpsites - New York Bight

Dumpsite	Station	Count/ML - 20°C	(Anaerobic)
2D-1	102	16.5×10^5	(0.11×10^5)
	96	7.4×10^5	
2D-2	71	20.7×10^5	(0.14×10^5)
	29	9.8×10^5	
	66	11.9×10^5	
APEX	32	102.00×10^5	(2.5×10^5)
	34	16.5×10^5	

Table XI

Biochemical bacterial types in Sediments from the Proposed Alternate Dumpsites - NEW YORK BIGHT AREA

			Count x 10^4/ML MEDIA							
Dumpsite	Station	Sea Water TC	Proteolytic TC	Proteolytic Active	Lipolytic TC	Lipolytic Active	Starch TC	Starch Active	Chitin TC	Chitin Active
2D-1	102	165.3	84.0	1	36.	3.	53	--	12.5	2
	96	74.0	3.3	1.6	0.5	0.06	0.61	0.39	16	0.8
APEX	32	1020.0	7.3	2.0	1.1	1.1	0.85	0.27	39	1
	34	165.3	1.1	0.3	0.06	0.03	0.21	.01	2.1	0.03

TC = Total Count

Active = Ability to hydrolize substrate

Table XII

Fecal Coliform in Marine Sediments
From Proposed Alternate Dumpsites - New York Bight

Dumpsite	Station	Fecal Coliforms/100 ML
2D-1	102	0
	96	0
2D-2	1	0
	29	0
	66	0
APEX	30	790
	31	330
	32	11

Table XIII

Presumptive *Clostridium perfringens* Count in
Marine Sediments From Proposed Alternate Dumpsites - New York Bight

Dumpsite	Station	Count/ML
2D-1	102	20*
	96	3*
2D-2	1	6*
	29	3*
	66	3*
APEX	32	14.2×10^4

* Count Low - Estimate only

Table XIV

C_{15+} HYDROCARBON CONTENTS IN NEW YORK BIGHT SAMPLES

ANALYZED BY EXXON PRODUCTION RESEARCH COMPANY

Station #	C_{15+} Hydrocarbons, ppm (weight)	C_{15+} Saturated Hydrocarbons, ppm (weight)	C_{15+} Aromatic Hydrocarbons, ppm (weight)
1	324	188	136
2	3588	1303	2285
3	1568	394	1174
4	328	134	194
5	6530	2290	4240
6	102	64	38
86	82	46	36
92	86	42	44

Table XV

Total Seabed Oxygen Consumption measured at the proposed alternate waste disposal sites in the New York Bight 12-24 February ' 75 on FRS Delaware II (D-75-2)

STATION NUMBERS D-75-02 Cruise	AOML DUPI	SH SYMAP	LATITUDE N	LONGITUDE W	PROBE #	OXYGEN CONSUMPTION $ml O_2 m^{-2} hr^{-1}$	AVE.± st. dev. $ml O_2 m^{-2} hr^{-1}$
North 82	72	E 37	40°16.75'	72°53.20'	16	3.97	
					20	3.95	
					18	3.86	
					24	7.24	
							4.76±1.66
North 83	82	E 47	40°14.75'	72°50.50'	26	0.84	
					33	3.08	
					30	9.34	
					29	7.78	
							5.26±3.97
North 84	86	E 51	40°12.70'	72°47.75'	41	10.12	
					44	8.16	
					45	9.57	
					40	8.57	
							9.11±0.90
North 85	92	E 57	40°10.75'	72°45.25'	21	3.20	
					14	3.79	
					13	5.78	
					22	14.29	
							6.77±5.14
North 86	100	E 65	40°08.75'	72°42.60'	7	7.14	
					4	8.27	
					6	7.54	
					1	8.90	
							7.96±0.78
North 87	102	E 67	40°06.67'	72°40.04'	2	7.04	
					5	8.44	
					12	8.72	
					10	5.50	
							7.42±1.48
Entire North Area							6.88±2.91

STATION NUMBERS D-75-02 Cruise	AOML DUPI	SH SYMAP	LATITUDE N	LONGITUDE W	PROBE #	OXYGEN CONSUMPTION $ml O_2 m^{-2} hr^{-1}$	AVE.± st. dev. $ml O_2 m^{-2} hr^{-1}$
South 89	1	E 31	39°38.9'	73°31.5'	9	4.04	
					19	2.98	
					15	1.41	
					23	3.09	
							2.88±1.09
South 90	11	E 29	39°38.8'	73°27.3'	16	1.01	
					33	3.32	
					13	2.75	
					18	2.63	
							2.43±0.99
South 91	29	E 21	39°38.6'	73°23.6'	14	5.45	
					8	4.89	
					7	3.17	
							4.50±1.19
South 92	56	E 15	39°38.4'	73°20.0'	5	4.68	
					11	4.68	
					6	4.87	
							4.74±0.11
South 93	64	E 11	39°38.0'	73°17.0'	39	7.57	
					43	6.65	
					42	5.10	
					45	3.99	
							5.83±1.59
South 94	66	E 01	39°37.7'	73°14.3'	22	5.76	
					13	7.99	
					14	10.88	
					24	1.78	
							6.60±3.84
Entire South Area							4.60±2.33
Both Areas Combined							5.74±2.89

Table XVI

Bottom water measurements of dissolved oxygen concentrations (ppm), temperature (°C), and salinity (ppt) from the proposed alternate waste disposal sites in the New York Bight 12-24 February 1975 on FRS Delaware II (D-75-2).

STATION	DISSOLVED OXYGEN BOTTOM WATER ppm	TEMPERATURE BOTTOM WATER °C	SALINITY BOTTOM WATER ppt
E 37	9.90	6.38	33.480
E 47	9.70	6.21	33.574
E 51	9.75	6.90	33.621
E 57	10.30	7.08	33.672
E 65	9.70	7.20	33.742
E 67	9.50	7.22	33.742
E 31	9.60	7.54	33.953
E 29	9.65	6.70	33.636
E 21	10.15	6.70	33.636
E 15	10.10	6.79	33.683
E 11	9.85	6.32	--
E 01	10.25	6.90	33.511

Table 3. Seabed Oxygen Consumption values measured in the apex of the New York Bight between March 1974 and February 1975.

CRUISE; Ship (A=Albatross IV, D=Delaware II, O=Oregon II)

DATE; Year, month, day

SYMAP STATION; reference location (Fig. 9)

CRUISE STATION; chronological reference

LATITUDE and LONGITUDE; degrees and minutes to 1/100

TEMPERATURE; degrees celsius

IN-SITU TEMPERATURE; 0.3 to 1 M above bottom

BATH TEMPERATURE; incubation temperature in water bath on ship

SALINITY; PPT, 0.3 to 1 M above bottom

BOTTOM D.O.; PPT and ML/L, 0.3 to 1 M above bottom

100% SATURATION; ML/L and PPM of dissolved oxygen

% SATUR; bottom D.O. divided by 100% saturation

100% SATUR (BATH); PPM of oxygen at both temperature

INITIAL D.O.; PPM and ML/L, Micro-Winkler at start of incubation

% SATURATION; initial D.O. divided by 100% satur (bath)

FINAL D.O.; PPM and ML/L, Micro-Winkler at end of incubation

% SATURATION; final D.O. divided by 100% satur (bath)

02 CONSUMED PER CORE; oxygen consumption per core per hour

02 CONSUMED PER METER SQ.; oxygen consumption for one square meter on bottom per hour

02 CONSUMED PER METER CUBE; oxygen consumption for one cubic meter of water per hour

TIME RUN; length of incubation in hours

PERCENT CHANGE; change in percent of oxygen saturation during incubation interval

% CHANGE PER HOUR; percent change divided by time run

COMMENTS

PROBE NUMBERS

S = sediment plus water core

W = bottom water only

```
C     THIS PROGRAM IS FOR PERCENT SATURATION CALCULATIONS FOR BENTHIC
C     RESPIRATION HEADED BY JAMES P. THOMAS
C                 WRITTEN BY WESLEY D. WEBB   ON  5/19/75
C
C     INPUT FOR SET OF DATA ALL GOES ON ONE CARD
C                 COL.
C                  1-6  DT=DATE  (YR.MO.DA)
C                  7-11 CR=CRUISE NUMBER  (ALPHANUMERIC)
C                 12-14 SS=SYMAP STATION NUMBER
C                 15-17 CS=CRUISE STATION NUMBER
C                 18-22  A=IN-SITU TEMPERATURE TO 1/100 DEGREE C
C                 23-27  B=BATH    TEMPERATURE TO 1/100 DEGREE C
C                 28-33  C=SALINITY IN PPT TO 1/1000
C                 34-38  D=DISSOLVED OXYGEN IN PPM TO 1/100
C                 39-41 TR=TREATMENT
C                 42-43 PR=PROBE NUMBER
C                 44-45  E=INITIAL PAO BOTTLE NUMBER
C                 46-51  F=INITIAL PAO TITRATED IN ML TO 1/1000
C                 52-53  G=FINAL PAO BOTTLE NUMBER
C                 54-59  H=FINAL PAO TITRATED IN ML TO 1/1000
C                 60-63  I=VOLUME OF WATER IN CORE IN ML
C                 64-66  J=LENGTH OF TIME RUN IN HOUR TO 1/100
C                 69-78 COM=COMMENTS
C                    80  CARD CODE=A
0001        REAL I,J,K,L,M,N,LA,LO
0002        INTEGER CR,CR1,DT,CS,PR,SS,TR,COM(5),V,W,X,Y,Z
0003        DATA V,W,X/'A','W','S'/
0004        IC=0
0005        LINES=0
0006        IS=0
0007     10 READ(5,102,END=98,ERR=99)DT,CR,CR1,SS,CS,A,B,C,D,TR,PR,E,F,G,H,I,J
           1,(COM(NN),NN=1,5)
0008        IF(CR1.NE.IC)  GO TO 30
0009     40 IC=CR1
0010        IF(CS.EQ.IS)GO TO 20
0011        IS=CS
0012        IF(LINES.GE.43)GO TO 50
0013     60 R=D*.698
C           FOR CALCULATING 100% SATURATION FOR IN-SITU TEMPERATURE
0014        CL=C/1.805
0015        TA=273+A
0016        AA=(4417/TA)-7.424-(2.927*ALOG (TA))+(4.238E-2*TA)
0017        AB=CL*((53.44/TA)-0.1238-(4.442E-2*ALOG (TA))+(7.145E-4*TA))
0018        AC=EXP(AA-AB)
0019        A1=1-(9.701E-4*CL)
0020        A2=16.1973*(1-373.16/TA)
0021        A3=3.1813E-7*(1-EXP(26.1205*(1-TA/373.16)))
0022        A4=1.8726E-2*(1-EXP(8.03945*(1-373.16/TA)))
0023        AP=A1*EXP(A2+A3-A4+5.02802*ALOG (373.16/TA))
0024        AS=0.2094*AC*(1-AP)
0025        AM=AS*1.428
0026        PO=D/AM*100
C           FOR CALCULATING 100% SATURATION FOR BATH TEMPERATURE
0027        TB=273+B
0028        BA=(4417/TB)-7.424-(2.927*ALOG (TB))+(4.238E-2*TB)
0029        BB=CL*((53.44/TB)-0.1288-(4.442E-2*ALOG (TB))+(7.145E-4*TB))
0030        BC=EXP(BA-BB)
```

```
      B2=18.1973*(1-373.16/TB)
      B3=3.1813E-7*(1-EXP(26.1205*(1-TB/373.16)))
      B4=1.8726E-2*(1-EXP(8.03945*(1-373.16/TB)))
      BP=B1*EXP(B2+B3-B4+5.02802*ALOG (373.16/TB))
      BM=0.2094*BC*(1-BP)*1.428
      CALL LATA(SS,LA)
      CALL LONG(SS,LO)
C     FOR CANCELING FALSE VALUES
      IF(A.NE.0)GO TO 70
      A=100
      AM=100
      AS=100
      PO=1000
   70 IF(C.NE.0)GO TO 75
      C=100
      AM=100
      AS=100
      PO=1000
   75 IF(D.NE.0)GO TO 80
      D=100
      R=100
      PO=1000
   80 WRITE(6,101)DT,SS,CS,LA,LO,A,B,C,D,R,AM,AS,PO
      LINES=LINES+7
   20 CALL TABLE1(E,G,EV,GV)
      K=(F*200)/(EV-.4)
      L=K*.698
      M=(H*200)/(GV-.4)
      N=M*.698
      O=(L-N)*(GV+I)/(1000*J)
      P=O*391.89
      Q=(O*1000000)/(GV+I)
      SI=K/BM*100
      SF=M/BM*100
      SC=SI-SF
      SCH=SC/J
      Y=TR/100
      GO TO(22,99,24,99,26),Y
   22 Z=X
      GO TO 28
   24 Z=W
      GO TO 28
   26 Z=V
   28 WRITE(6,103)BM,K,L,SI,M,N,SF,O,P,Q,J,SC,SCH,(COM(NN),NN=1,5),PR ,Z
      LINES=LINES+1
      GO TO 10
   30 WRITE(6,100)CR,CR1
      LINES=0
      GO TO 40
   50 WRITE(6,100)CR,CR1
      LINES=0
      GO TO 60
   99 WRITE(6,104)
      GO TO 10
   98 STOP
  100 FORMAT(1H1,40X,'BENTHIC RESPIRATION     CRUISE ',A1,A4)
  101 FORMAT(//18X,'DATE ',I6,3X'SYMAP STATION ',I3,3X'CRUISE STATION ',
     6A3,3X,'LATITUDE 40 ',F5.2,'N',3X,'LONGITUDE 73 ',F5.2,'W',
```

```
      1   /2X'TEMPERATURE INSITU',F5.2,' BATH' ,F5.2,' SALINITY ',F6.3,
      2' BOTTOM DO ',F5.2,'PPM ',F5.2,'ML/L 100% SATURATION ',F5.2,'PPM '
      A,F5.2,'ML/L % SATUR ',F6.2,
      3/,  /,2X'100%SATU INITAL INITAL  % SATU FINAL  FINAL   % SATU',
      4' O2 CONSUMED O2 CONSUMED  O2 CONSUMED     TIME PERCENT %CHANGE
      5COMMENTS',/,2X'BATH PPM DO PPM DO ML/L RATION DO PPM DO ML/L RATIO
      6N /CORE/HR    /METER SQ/HR /METER CUBE/HR  RUN  CHANGE  / HOUR'}
0088  102 FORMAT(I6,A1,A4,I3,A3,2F5.2,F6.3,F5.2,I3,I2,F2.0,F6.3,F2.0,F6.3,
      1F4.0,F5.2,5A2)
0089  103 FORMAT(3X,F6.3,2X,F6.3,1X,F6.3,2X,F6.2,1X,F6.3,1X,F6.3,2X,F6.2,1X,
      1F10.6,2X,F10.4,3X,F12.4,3X,F5.2,2X,F5.2,2X,F6.3,3X,5A2,I2,A1)
0090  104 FORMAT(10X,'ERROR FOUND')
0091      END
```

DEPOSITION OF DATA

Data presented in this report are on file in the data bank of the NOAA/NMFS Middle Atlantic Coastal Fisheries Center, Sandy Hook Laboratory, Highlands, New Jersey.

ACKNOWLEDGEMENTS

We thank Robert Dennis for his assistance on the August and December cruises, and Larry D'Andrea, Margaret Dawson, Greg Kornutik, and Brenda Morton for their assistance on individual cruises (see Middle Atlantic Coastal Fisheries Center cruise reports). We further wish to thank the officers and crew of the FRS Oregon II under Captain Adams and the FRS Delaware II under Captain Landsvik. Bruce Arnold, Gary Albertson, Ken Holden, Thomas Jackson, Robert Roberson, and Frank Saunders served as Raydist operators. Bruce Block integrated the electronic components of the research instrumentation. Wesley Webb and John Lebaron wrote several of the data processing routines. The investigation was funded in part by the National Marine Fisheries Service and the Marine Ecosystem Analysis (MESA) Program.

REFERENCES

American Public Health Association. 1965. Standard methods for the examination of water, sewage, and industrial wastes, 12th ed. APHA, New York. 690 p.

Green, E.J. and D.E. Carritt. 1967. New tables for oxygen saturation of seawater. J. Mar. Res. 25 (2): 140-147.

Hirsch, A. 1974. NOAA's New York Bight Marine Ecosystems Analysis Project: An Interdisciplinary Study of the Marine Environment. MTS J. 8 (9): 29-34.

Lyman, J. 1969. Redefinition of salinity and chlorinity. Limnol. Oceanogr. 14 (6): 928-929.

Middle Atlantic Coastal Fisheries Center. Cruise Reports. Unpubl. Sandy Hook Laboratory, Highlands, N.J.

Manhattan College. 1975. Contaminant inputs to the New York Bight. Report on Grant No. 04-4-002-34, James A. Mueller and John S. Jeris, principle investigators, and Andrew Anderson and Christopher Hughes, research assistants, for Marine Ecosystems Analysis Program, New York Bight Project (U.S. Dept. Commerce, NOAA). 360 p. (Mimeographed).

Pamatmat, M.M. 1971. Oxygen consumption by the seabed IV. Shipboard and laboratory experiments. Limnol. Oceanogr. 16 (3): 536-550.

Pamatmat, M.M. 1973. Oxidation of organic matter in sediments. Ecological Research Series EPA-660/3-73-005. Office of Research and Development, U.S. Environmental Protection Agency, Washington, D.C. 104 pp.

U.S. Environmental Protection Agency. 1975. Ocean disposal in the New York Bight. Technical briefing report number 2. Region II. Surveillance and Analysis Div.

DATA TABULATION

BENTHIC RESPIRATION CR[illegible]07401

DATE 740322 SYMAP STATION 2 CRUISE STATION 2 LATITUDE 40 34.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 6.90 BATH 5.50 SALINITY 32.310 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.96PPM 6.97ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.233	6.436	4.493	62.59	7.654	5.343	74.43	-0.011561	-4.5307	-70.8305	12.00	*****	-0.987	2S

DATE 740401 SYMAP STATION 3 CRUISE STATION 3 LATITUDE 40 34.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU***** BATH 5.00 SALINITY 32.350 BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.401	9.725	6.766	93.50	8.875	6.195	85.33	0.014174	5.5547	45.9956	12.90	8.17	0.634	NOINSITEMP 2S
10.401	9.991	6.974	96.06	8.754	6.110	84.16	0.018391	7.2072	65.1638	13.25	11.89	0.898	22S
10.401	10.036	7.007	96.51	8.789	6.135	84.50	0.020523	8.0428	65.4235	13.33	12.01	0.901	23S
10.401	10.057	7.020	96.69	7.553	5.272	72.61	0.026135	10.2422	131.9153	13.25	24.08	1.817	1S

DATE 740322 SYMAP STATION 4 CRUISE STATION 4 LATITUDE 40 34.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 5.00 BATH 5.00 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

DATE 740323 SYMAP STATION 6 CRUISE STATION 6 LATITUDE 40 34.00N LONGITUDE 73 38.00W
TEMPERATURE INSITU 5.90 BATH 5.00 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.914	10.262	7.163	79.47	8.925	6.230	69.11	0.011041	4.3270	77.7647	12.00	10.35	0.863	13S
12.914	10.323	7.205	79.93	9.055	6.320	70.12	0.013437	5.2660	72.7544	12.16	9.81	0.807	24S
12.914	9.753	6.807	75.52	8.477	5.917	65.64	0.014623	5.7306	72.7234	12.25	9.68	0.807	VOLSUSPECT 3S
12.914	9.988	6.971	77.34	8.947	6.245	69.28	0.014110	5.5294	59.7554	12.16	8.06	0.663	1S

DATE 740323 SYMAP STATION 8 CRUISE STATION 8 LATITUDE 40 31.00N LONGITUDE 73 40.00W
TEMPERATURE INSITU 6.11 BATH 0.0 SALINITY 33.110 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.09PPM 7.06ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
11.673	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

E 740323 SYMAP STATION 10 CRUISE STATION 10 TITUDE 40 31.00N LONGITUDE 73 44.00W
PERATURE IN 6.12 BATH 6.50 SALINITY 33.200 BOTTOM DO *****PPM *ML/L 100% SATURATION 10.08PPM 7.06ML/L % SATUR **

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
.989	9.412	6.570	94.22	7.961	5.557	79.70	0.014983	5.8717	76.4348	13.25	14.52	1.096		2S
.989	9.390	6.554	94.00	8.374	5.845	83.82	0.011664	4.5709	52.9619	13.40	10.18	0.760		5S
.989	9.573	6.682	95.83	8.397	5.861	84.05	0.015437	6.0495	60.1464	13.65	11.77	0.863	TIME EST	7S

DATE 740323 SYMAP STATION 12 CRUISE STATION 12 LATITUDE 40 31.00N LONGITUDE 73 48.00W
PERATURE INSITU 7.00 BATH 6.50 SALINITY 33.410 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.86PPM 6.91ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
.976	10.313	7.198	103.38	7.782	5.432	78.01	0.028460	11.1533	142.4330	12.40	25.37	2.046		12S
.976	9.290	6.484	93.13	8.405	5.867	84.26	0.010520	4.1225	51.0430	12.10	8.67	0.733		14S
.976	9.373	6.543	93.96	8.607	6.008	86.28	0.008333	3.2654	43.8502	12.20	7.68	0.630		22S

DATE 740323 SYMAP STATION 14 CRUISE STATION 14 LATITUDE 40 31.00N LONGITUDE 73 52.00W
PERATURE INSITU 6.18 BATH 6.50 SALINITY 33.110 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.07PPM 7.05ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
.995	8.597	6.001	86.01	8.253	5.761	82.57	0.003408	1.3356	19.3618	12.40	3.44	0.278		11S
.995	9.392	6.556	93.96	8.942	6.242	89.46	0.000922	0.3613	25.6209	12.25	4.50	0.367	NO VOLUME	8W
.995	9.205	6.425	92.09	8.643	6.033	86.48	0.008431	3.3040	32.3762	12.10	5.62	0.464	STOPERSHOW	9S
.995	7.972	5.565	79.76	8.723	6.088	87.27	-0.007683	-3.0891	-43.2817	12.10	-7.51	-0.620		10S

DATE 740323 SYMAP STATION 16 CRUISE STATION 16 LATITUDE 40 31.00N LONGITUDE 73 56.00W
PERATURE INSITU 7.00 BATH 6.50 SALINITY 32.280 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.94PPM 6.96ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
.050	10.499	7.328	104.46	6.623	4.623	65.90	0.045338	17.7675	225.4241	12.00	38.56	3.213		1S

DATE 740323 SYMAP STATION 20 CRUISE STATION 18 LATITUDE 40 28.00N LONGITUDE 73 54.00W
PERATURE INSITU 6.50 BATH 6.50 SALINITY 33.230 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.99PPM 6.99ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
.987	8.876	6.195	88.87	7.525	5.253	75.35	0.007843	3.0737	80.7801	11.67	13.52	1.159		4S
.987	9.252	6.458	92.64	8.686	6.063	86.97	0.005463	2.1410	33.5558	11.77	5.67	0.481		6S
.987	10.042	7.009	100.55	8.253	5.761	82.63	0.022724	8.9054	105.1936	11.87	17.91	1.509		24S
.987	9.855	6.879	98.67	8.346	5.826	83.57	0.014865	5.8254	86.3117	12.20	15.10	1.238		18S
.987	9.685	6.760	96.97	0.0	0.0	0.0	0.000553	0.2166	552.7542	12.23	96.97	7.929	NO FINL DO	21S

BENTHIC RESPIRATION [illegible] 07401

DATE 740324 SYMAP STATION 22 CRUISE STATION 20 LATITUDE 40 28.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 6.35 BATH 0.0 SALINITY 33.430 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.01PPM 7.01ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
11.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

DATE 740324 SYMAP STATION 23 CRUISE STATION 21 LATITUDE 40 28.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU 6.32 BATH 6.50 SALINITY 33.430 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.02PPM 7.01ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.974	10.043	7.014	100.74	7.132	4.978	71.51	0.035628	13.9624	140.3663	14.50	29.23	2.016	1S
9.974	9.944	6.941	99.70	7.894	5.510	79.14	0.027849	10.9138	98.6776	14.50	20.55	1.417	22S
9.974	10.043	7.012	100.72	7.601	5.306	76.21	0.026351	10.3265	117.7055	14.50	24.51	1.691	23S
9.974	10.024	6.997	100.50	8.802	6.144	88.25	0.013717	5.3756	58.8248	14.50	12.25	0.845	17S

DATE 740324 SYMAP STATION 24 CRUISE STATION 22 LATITUDE 40 28.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 6.80 BATH 6.50 SALINITY 33.280 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.92PPM 6.94ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.984	9.650	6.736	96.66	7.204	5.028	72.15	0.035461	13.8968	138.8398	12.30	24.50	1.992	13S
9.984	9.493	6.627	95.10	6.190	4.321	62.00	0.026379	10.3375	187.5445	12.30	33.10	2.691	17S
9.984	9.514	6.710	96.29	6.138	4.284	61.47	0.037265	14.6037	194.1039	12.50	34.82	2.785	19S
9.984	9.090	6.345	91.04	7.340	5.123	73.51	0.019065	7.4715	97.7098	12.50	17.53	1.402	20S

DATE 740324 SYMAP STATION 25 CRUISE STATION 23 LATITUDE 40 28.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 7.00 BATH 6.50 SALINITY 33.210 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.88PPM 6.92ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.989	9.629	6.721	96.39	6.986	4.876	69.94	0.033358	13.0725	149.7115	12.32	26.45	2.147	8S
9.989	9.534	6.676	95.75	7.467	5.212	74.76	0.030172	14.1753	118.9879	12.30	20.99	1.707	3S
9.989	9.696	6.768	97.07	7.277	5.079	72.85	0.037588	14.7305	137.8612	12.25	24.22	1.977	6S
9.989	10.616	7.410	106.28	7.697	5.373	77.06	0.033936	13.2992	166.3340	12.25	29.22	2.386	24S

DATE 740324 SYMAP STATION 26 CRUISE STATION 24 LATITUDE 40 28.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 7.00 BATH12.00 SALINITY 33.180 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.88PPM 6.92ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.846	9.148	6.385	103.41	7.609	5.451	88.28	0.020159	7.9003	77.5139	12.05	15.13	1.255	TEMP PROB 8S
8.846	9.011	6.709	108.64	8.334	5.817	94.21	0.015936	6.2452	74.1087	12.03	14.44	1.200	TEMP PROB 9S
8.846	9.083	6.340	102.68	7.804	5.447	88.22	0.016939	6.6384	74.2215	12.03	14.46	1.202	TEMP PROB 10S
8.846	9.631	6.722	108.87	8.330	5.814	94.16	0.015516	6.0807	75.6957	12.00	14.71	1.226	TEMP PROB 11S

DATE 740324 SYMAP STATION 28 CRUISE STATION 26 LATITUDE 40 28.00N LONGITUDE 73 36.00W
PERATURE INSITU 6.40 BATH 5.00 SALINITY 33.070 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.02PPM 7.02ML/L % SATUR ***

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.351	9.962	6.954	96.24	8.448	5.896	81.61	0.016790	6.5799	87.0033	12.15	14.63	1.204	14S
.351	10.309	7.195	99.59	8.564	5.978	82.73	0.018323	7.1807	102.3428	11.90	16.66	1.416	22S
.351	9.839	6.868	95.06	8.359	5.834	80.75	0.013193	5.1703	85.6284	12.07	14.30	1.185	12S

DATE 740324 SYMAP STATION 30 CRUISE STATION 28 LATITUDE 40 25.00N LONGITUDE 73 40.00W
PERATURE INSITU 7.40 BATH 7.20 SALINITY 32.910 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.81PPM 6.87ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.850	9.409	6.588	95.53	7.207	5.031	73.17	0.024720	9.6877	128.0827	12.00	22.36	1.863	7S
.850	9.736	6.795	98.84	7.135	4.980	72.44	0.026308	10.3099	149.2658	12.16	26.40	2.171	3S
.850	9.838	6.867	99.88	7.451	5.201	75.65	0.022281	8.7317	136.0042	12.25	24.23	1.978	5S
.850	9.615	6.711	97.61	9.320	6.505	94.62	0.002732	1.0707	16.7800	12.25	2.99	0.244	16S
.850	9.612	6.709	97.59	8.494	5.929	86.24	0.010238	4.0123	63.7130	12.25	11.35	0.927	23S

DATE 740325 SYMAP STATION 32 CRUISE STATION 30 LATITUDE 40 25.00N LONGITUDE 73 44.00W
PERATURE INSITU 5.50 BATH 7.20 SALINITY 32.540 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.27PPM 7.19ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.874	10.347	7.222	104.80	8.716	6.084	88.28	0.018315	7.1774	89.8592	12.67	16.52	1.304	20S
.874	10.080	7.036	102.09	8.955	6.251	90.70	0.012109	4.7453	62.7965	12.50	11.39	0.911	19S
.874	10.117	7.062	102.46	8.759	6.114	88.71	0.014883	5.8327	75.8394	12.50	13.76	1.100	17S

DATE 740325 SYMAP STATION 33 CRUISE STATION 31 LATITUDE 40 25.00N LONGITUDE 73 46.00W
PERATURE INSITU 6.00 BATH 7.20 SALINITY 33.360 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.09PPM 7.07ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.821	10.058	7.020	102.41	7.622	5.320	77.61	0.049390	19.3554	156.9882	10.83	24.60	2.290	18S
.821	9.652	6.737	98.28	6.333	4.420	64.48	0.050971	19.9752	210.6057	11.00	33.80	3.072	PR 27(5) 27S
.821	9.735	6.795	99.13	9.508	6.635	96.81	0.003866	1.5149	14.3054	11.11	2.32	0.209	9S
.821	9.680	6.757	98.57	7.933	5.537	80.77	0.030562	11.9849	108.4190	11.25	17.79	1.582	14S

BENTHIC RESPIRATION E 07401

DATE 740325 SYMAP STATION 34 CRUISE STATION 32 LATITUDE 40 25.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 6.30 BATH 7.20 SALINITY 33.590 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.01PPM 7.01ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.305	9.292	6.466	94.75	6.469	4.515	65.97	0.037017	14.5066	163.0818	12.08	28.78	2.383		24S
9.305	9.217	6.455	93.99	8.367	5.840	85.33	0.009606	3.7644	48.2613	12.28	8.66	0.705		2S
9.305	9.175	6.404	93.56	6.861	4.789	69.97	0.031190	12.2231	132.0359	12.23	23.59	1.929		4S

DATE 740403 SYMAP STATION 34 CRUISE STATION A32 LATITUDE 40 25.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 5.65 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
12.211	8.976	6.266	73.51	4.427	3.090	36.25	0.053173	20.8380	247.5285	12.83	37.26	2.904		21S
12.211	9.253	6.459	75.76	4.884	3.409	39.99	0.051923	20.3479	236.0675	12.92	35.78	2.770		4S
12.211	8.841	6.171	72.41	3.308	2.309	27.09	0.057530	22.5454	296.4316	13.03	45.32	3.478	PR 42(15)	42S
12.211	9.545	6.663	78.17	5.950	4.153	48.73	0.051031	19.9984	191.8479	13.08	29.44	2.251	PR 27(5)	27S
12.211	9.297	6.489	76.14	4.586	3.201	37.56	0.052094	20.4150	248.1361	13.25	38.58	2.911		20S
12.211	9.172	6.402	75.11	6.093	4.253	49.90	0.046754	18.3223	161.8155	13.28	25.21	1.699		3S
12.211	9.271	6.471	75.93	4.713	3.290	38.60	0.052009	20.3818	238.6652	13.33	37.33	2.800		6S
12.211	9.295	6.488	76.12	0.872	0.608	7.14	0.088235	34.5784	439.7397	13.37	68.98	5.159		4S
12.211	9.327	6.510	76.38	4.977	3.474	40.76	0.052749	20.6719	225.4200	13.47	35.63	2.645		24S
12.211	9.304	6.494	76.19	7.570	5.284	61.99	0.011302	4.4291	89.5369	13.52	14.20	1.051	SAL ESTIMA	18S
12.211	8.953	6.249	73.32	4.258	2.972	34.87	0.045320	17.7603	241.3022	13.58	38.45	2.831		11S
12.211	9.603	6.703	78.64	6.165	4.303	50.49	0.042252	16.5583	175.5434	13.67	28.15	2.060		9S

DATE 740325 SYMAP STATION 35 CRUISE STATION 33 LATITUDE 40 25.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU 6.30 BATH 7.20 SALINITY 33.490 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.02PPM 7.01ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.313	9.527	6.650	97.39	9.088	6.344	92.62	0.006544	2.5646	24.9796	12.25	4.47	0.365	PR 37(10)	37S
9.313	9.443	6.593	96.26	6.449	4.501	65.72	0.046391	18.1800	162.2389	12.89	30.53	2.369		1S
9.313	9.594	6.696	97.77	8.388	5.855	85.49	0.019710	7.7243	64.8676	12.97	12.28	0.947		22S
9.313	9.575	6.683	97.58	6.907	4.821	70.39	0.039541	15.4955	143.3536	12.99	27.19	2.093		23S

DATE 740325 SYMAP STATION 36 CRUISE STATION 34 LATITUDE 40 25.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 6.22 BATH 7.20 SALINITY 30.450 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.24PPM 7.17ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.009	9.826	6.860	96.19	8.511	5.940	85.03	0.028967	11.3518	75.0775	12.25	13.16	1.075		12S
10.009	9.671	6.750	96.62	6.526	5.951	85.18	0.020216	7.9225	65.2169	12.25	11.44	0.933		9S
10.009	9.405	6.565	93.97	6.848	6.176	88.40	0.008731	3.4218	31.7482	12.25	5.57	0.454		10S

DATE 740325 SYMAP STATION 38 CRUISE STATION 3[illegible] LATITUDE 40 25.00N LONGITUDE 73 57.00W
MPERATURE I[illegible] 5.00 BATH 7.20 SALINITY 29.350 BOTTOM DO *****PP[illegible] **ML/L 100% SATURATION 10.61PPM 7.43ML/L % SATUR **

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.081	10.190	7.113	101.08	8.759	6.114	86.89	0.015279	5.9878	80.3220	12.43	14.19	1.141	13S
.081	10.265	7.165	101.82	9.127	6.371	90.54	0.012421	4.8677	63.3000	12.55	11.29	0.900	6S
.081	10.561	7.372	104.76	9.336	6.517	92.61	0.014507	5.6853	65.6876	13.02	12.15	0.933	21S
.081	10.602	7.400	105.16	8.612	6.011	85.42	0.016759	6.5678	106.8727	13.00	19.74	1.519	11S
.081	10.659	7.440	105.73	9.629	6.721	95.51	0.013267	5.1991	55.2730	13.01	10.22	0.785	16S
.081	10.796	7.536	107.09	9.194	6.417	91.20	0.016279	6.3796	83.0251	13.47	15.89	1.180	5S

DATE 740325 SYMAP STATION 40 CRUISE STATION 39 LATITUDE 40 22.00N LONGITUDE 73 56.00W
MPERATURE INSITU 6.30 BATH 7.20 SALINITY 29.290 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.30PPM 7.21ML/L % SATUR ******

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.085	10.158	7.091	100.72	9.219	6.435	91.41	0.008384	3.2856	47.9267	13.68	9.31	0.681	7S
.085	10.094	7.046	100.09	10.098	7.049	100.13	-0.000052	-0.0204	-0.1961	13.78	-0.04	-0.003	23S
.085	10.361	7.232	102.73	9.149	6.386	90.71	0.014168	5.5521	61.5480	13.75	12.02	0.874	1S
.085	10.533	7.352	104.44	8.730	6.094	86.56	0.024901	9.7583	91.5151	13.75	17.88	1.300	5S

DATE 740325 SYMAP STATION 42 CRUISE STATION 40 LATITUDE 40 22.00N LONGITUDE 73 52.00W
MPERATURE INSITU 6.32 BATH 7.20 SALINITY 32.930 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.05PPM 7.04ML/L % SATUR ******

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.848	10.590	7.392	107.53	9.617	6.713	97.65	0.006511	3.3353	56.3613	12.05	9.88	0.620	22W
9.848	9.308	6.846	99.59	8.987	6.273	91.26	0.007455	2.9215	47.2077	12.13	8.33	0.687	8S
9.848	9.552	6.667	96.99	8.579	5.988	87.11	0.016951	6.6428	54.3255	12.50	9.88	0.790	19S
9.848	10.454	7.297	106.15	9.058	6.322	91.97	0.025985	10.1834	77.7914	12.53	14.18	1.132	20S
9.848	10.477	7.313	106.38	8.642	6.032	87.75	0.023255	9.1135	101.6294	12.60	18.63	1.478	17S

DATE 740403 SYMAP STATION 43 CRUISE STATION 41 LATITUDE 40 22.00N LONGITUDE 73 50.00W
MPERATURE INSITU 6.40 BATH 7.20 SALINITY 32.920 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.03PPM 7.02ML/L % SATUR ******

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.849	9.151	6.368	92.92	7.826	5.463	79.46	0.018181	7.1250	60.9644	15.17	13.45	0.887	14S
9.849	9.220	6.436	93.62	0.0	0.0	0.0	0.000424	0.1663	424.2515	15.17	93.62	6.171	NO FIN PAULS
9.849	9.036	6.307	91.74	5.873	4.099	59.63	0.033567	13.1625	146.0163	15.12	32.11	2.124	6S
9.849	9.508	6.637	96.54	6.613	4.616	67.15	0.033473	13.1175	134.4305	15.03	29.39	1.955	16S
9.849	9.411	6.569	95.56	6.769	4.725	68.73	0.032787	12.8488	122.9567	15.00	26.83	1.789	PR 37(10) 37S

BENTHIC RESPIRATION C 07401

DATE 740325 SYMAP STATION 44 CRUISE STATION 42 LATITUDE 40 22.00N LONGITUDE 73 48.00W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 33.420 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.02PPM 7.02ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.817	9.304	6.494	94.77	6.023	4.204	61.35	0.034558	13.5428	171.7901	13.33	33.42	2.507	27S
9.817	9.429	6.532	96.05	6.200	4.328	63.16	0.043600	17.1648	169.0634	13.33	32.69	2.467	36S
9.817	8.993	6.277	91.61	6.186	4.318	63.02	0.032800	12.8538	147.0863	13.32	28.59	2.147	43S
9.817	9.384	6.550	95.59	5.480	3.825	55.82	0.035862	14.0541	203.8409	13.37	39.77	2.975	42S
9.817	9.232	6.444	94.04	5.125	3.577	52.20	0.048318	18.9354	213.6202	13.42	41.84	3.118	41S

DATE 740326 SYMAP STATION 46 CRUISE STATION 44 LATITUDE 40 22.00N LONGITUDE 73 44.00W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 32.650 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.07PPM 7.05ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.867	9.544	6.662	96.74	1.260	0.880	12.77	0.090168	35.3357	457.8237	12.63	83.96	6.648	11S
9.867	9.985	6.969	101.20	7.544	5.266	76.46	0.026680	10.4554	134.8644	12.63	24.73	1.958	21S
9.867	9.612	6.709	97.43	8.433	5.887	85.48	0.017341	6.7958	64.6437	12.73	11.95	0.939	6S
9.867	9.647	6.734	97.78	8.107	5.659	82.17	0.018645	7.3070	82.5656	13.02	15.61	1.199	13S

DATE 740326 SYMAP STATION 48 CRUISE STATION 46 LATITUDE 40 22.00N LONGITUDE 73 40.00W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 32.630 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.07PPM 7.05ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.863	9.141	6.351	92.64	7.352	5.131	74.50	0.023735	9.3016	104.0846	12.00	18.13	1.511	7S
9.863	9.817	6.692	99.49	8.302	5.794	84.13	0.023300	9.1312	88.1520	12.00	15.36	1.280	2S
9.863	9.163	6.407	93.03	8.133	5.677	82.42	0.014115	5.5313	60.9112	12.00	10.61	0.884	23S
9.863	7.063	5.349	77.66	2.897	2.022	29.36	0.083134	32.5795	277.2197	12.00	48.30	4.025	1S

DATE 740326 SYMAP STATION 50 CRUISE STATION 48 LATITUDE 40 22.00N LONGITUDE 73 38.00W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 32.550 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.08PPM 7.06ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.873	10.131	7.071	102.61	5.706	3.983	57.79	0.090666	35.5310	253.7829	12.17	44.82	3.683	3S
9.873	9.895	6.905	100.20	8.999	6.282	91.15	0.022026	8.6319	51.2369	12.17	9.05	0.743	VOL ESTA 24S
9.873	9.674	6.753	97.99	8.478	5.917	85.87	0.026894	10.5396	68.6386	12.17	12.12	0.996	4S
9.873	9.397	6.559	95.18	8.222	5.739	83.27	0.022881	8.9669	67.4449	12.17	11.91	0.979	8S
9.873	9.777	6.824	99.03	7.607	5.310	77.05	0.039451	15.4604	124.4420	12.17	21.98	1.806	17S
9.873	9.755	6.809	98.81	8.633	6.061	87.95	0.016844	6.6011	61.5144	12.17	10.86	0.893	22S

DATE 740325 SYMAP STATION 52 CRUISE STATION LATITUDE 40 1 N LONGITUDE 73 4 W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 32.310 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.09PPM 7.07ML/L % SATUR *****

100%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.888	9.957	6.950	100.69	9.384	6.550	94.90	0.006910	2.7078	31.9648	12.50	5.79	0.463	18S
9.888	9.718	6.783	98.28	8.225	5.741	83.18	0.021256	8.3299	83.4038	12.50	15.10	1.208	14S
9.888	9.764	6.815	98.74	8.710	6.080	88.08	0.016140	6.3250	58.2801	12.62	10.66	0.844	12S
9.888	9.767	6.818	98.77	8.621	6.018	87.19	0.014119	5.5332	63.3317	12.63	11.59	0.918	9S

DATE 740326 SYMAP STATION 54 CRUISE STATION 52 LATITUDE 40 19.00N LONGITUDE 73 46.00W
EMPERATURE INSITU 6.32 BATH 7.20 SALINITY 32.940 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.05PPM 7.04ML/L % SATUR *****

100%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.848	10.030	7.001	101.85	8.430	5.884	85.60	0.030195	11.8329	91.1605	12.25	16.25	1.326	SAL ESTIMA26S
9.843	9.624	6.718	97.73	8.680	6.058	88.14	0.007947	3.1145	54.4262	12.11	9.59	0.792	SAL ESTIMA28S
9.843	9.634	6.725	97.83	7.991	5.578	81.14	0.017154	6.7224	95.3563	12.03	16.69	1.367	SAL ESTIMA31S
9.843	9.653	6.738	98.02	6.819	4.760	69.25	0.019312	7.5681	162.5222	12.17	28.77	2.364	SAL ESTIMA30S
9.848	8.526	5.951	86.57	7.267	5.073	73.80	0.017206	6.7430	71.9984	12.20	12.78	1.047	SAL ESTIMA37S

DATE 740326 SYMAP STATION 56 CRUISE STATION 54 LATITUDE 40 19.00N LONGITUDE 73 50.00W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 33.570 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.01PPM 7.01ML/L % SATUR *****

100%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.807	8.661	6.046	88.31	4.260	2.973	43.43	0.052317	20.5024	244.2148	12.58	44.68	3.567	INSITUESTA20S
9.807	9.046	6.314	92.23	6.076	4.241	61.95	0.036750	14.4021	164.1480	12.63	30.29	2.398	INSITUESTA19S
9.807	9.170	6.401	93.50	5.724	3.995	58.36	0.041932	16.4328	190.5973	12.62	35.14	2.784	INSITUESTA23S
9.807	8.974	6.264	91.50	2.999	2.094	30.58	0.074896	29.3509	331.4854	12.58	60.92	4.842	INSITUESTA 7S
9.807	9.252	6.458	94.33	5.525	3.856	56.33	0.040771	15.9778	207.2809	12.55	36.00	3.028	INSITUESTA 8S

DATE 740327 SYMAP STATION 58 CRUISE STATION 56 LATITUDE 40 19.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 7.00 BATH 7.20 SALINITY 33.310 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.67PPM 6.91ML/L % SATUR *****

100%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.824	9.886	6.900	100.63	6.819	4.760	69.41	0.048714	19.0903	175.8943	12.17	31.22	2.565	SPECINST*11S
9.824	10.182	7.107	103.65	7.955	5.553	80.97	0.034253	13.4233	127.2264	12.22	22.67	1.855	22S
9.824	10.042	7.009	102.22	7.628	5.464	79.68	0.035657	13.9735	126.3553	12.23	22.54	1.843	13S

BENTHIC RESPIRATION C 07401

DATE 740327 SYMAP STATION 60 CRUISE STATION 56 LATITUDE 40 19.00N LONGITUDE 73 58.00W
EMPERATURE INSITU 6.25 BATH 7.20 SALINITY 32.610 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.09PPM 7.06ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.869	9.257	6.462	93.80	9.144	6.382	92.65	0.002678	1.1279	6.6154	12.00	1.15	0.096	14S
9.869	9.304	6.843	99.34	8.943	6.242	90.61	0.017639	6.9127	49.3756	12.17	8.72	0.717	8S
9.869	9.936	6.937	100.70	9.485	6.620	96.11	0.010616	4.1610	25.4734	12.42	4.59	0.370	16S
9.869	9.670	6.869	100.01	9.142	6.381	92.64	0.016336	6.4019	40.9093	12.42	7.38	0.594	18S

DATE 740327 SYMAP STATION 62 CRUISE STATION 60 LATITUDE 40 16.00N LONGITUDE 73 56.00W
EMPERATURE INSITU 6.00 BATH 7.20 SALINITY 32.160 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.17PPM 7.13ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.898	9.925	6.927	100.27	9.071	6.331	91.64	0.022390	8.7743	49.3322	12.08	8.63	0.714	17S
9.898	9.349	6.675	99.51	8.392	5.858	84.79	0.033863	13.2707	84.1964	12.08	14.72	1.219	21S
9.898	10.029	7.000	101.32	4.151	2.897	41.94	0.065876	25.8161	339.8936	12.07	59.38	4.920	2S
9.898	10.237	7.145	103.42	2.923	2.041	29.53	0.080419	31.5153	421.1880	12.12	73.89	6.096	1S
9.898	9.617	6.712	97.16	4.912	3.429	49.63	0.052879	20.7229	269.8142	12.17	47.53	3.905	9S

DATE 740327 SYMAP STATION 64 CRUISE STATION 62 LATITUDE 40 16.00N LONGITUDE 73 52.00W
EMPERATURE INSITU 6.30 BATH 7.20 SALINITY 32.750 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.07PPM 7.05ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.860	10.171	7.099	103.15	9.363	6.536	94.96	0.012186	4.7756	46.9767	12.00	8.19	0.683	PR 38(14) 38S
9.860	9.703	6.773	98.41	9.268	6.469	94.00	0.007060	2.7746	25.0334	12.12	4.41	0.364	PR 43(19) 43S
9.860	9.957	6.950	100.98	9.388	6.553	95.21	0.008897	3.4866	32.6862	12.15	5.77	0.475	PR 28(4) 28S
9.860	9.790	6.833	99.29	0.0	0.0	0.0	0.020822	8.1601	562.4180	12.15	99.29	8.172	NO FIN VOL30S

DATE 740327 SYMAP STATION 66 CRUISE STATION 64 LATITUDE 40 16.00N LONGITUDE 73 48.00W
EMPERATURE INSITU 6.80 BATH 7.20 SALINITY 33.030 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.93PPM 6.96ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.842	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

DATE 740327 SYMAP STATION 68 CRUISE STATION 66 LATITUDE 40 16.00N LONGITUDE 73 44.00W
EMPERATURE INSITU 7.00 BATH 7.20 SALINITY 33.600 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.72PPM 6.80ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.805	8.614	6.152	89.89	8.619	6.156	89.94	-0.000119	-0.0467	-0.3260	12.08	-0.06	-0.005	SAL ESTIMA16S
9.805	8.549	5.967	87.19	7.116	4.967	72.57	0.034734	13.6121	82.5079	12.13	14.62	1.206	SAL ESTIMA11S
9.805	9.093	6.347	92.74	6.946	4.848	70.84	0.043693	17.1229	122.6677	12.22	21.90	1.792	SAL ESTIMA19S
9.805	9.473	6.612	96.61	7.638	5.331	77.90	0.041558	16.2862	104.5727	12.25	18.72	1.528	SAL ESTIMA20S

DA 740328 SYMAP STATION 7 CRUISE STATION LATITUDE 40 00N LONGITUDE 73 00W
TEMPERATURE INSITU 7.00 BATH 7.20 SALINITY 33.180 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.88PPM 6.92ML/L % SATUR

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.832	9.832	6.863	100.00	8.435	5.888	85.79	0.019567	7.6681	75.1851	12.97	14.21	1.096	INSITUESTA 7S
9.832	10.122	7.065	102.95	7.603	5.307	77.33	0.033880	13.2772	135.5818	12.97	25.62	1.976	12S
9.832	9.822	6.856	99.90	8.318	5.806	84.60	0.022752	8.9162	80.9021	12.98	15.30	1.179	13S
9.832	9.967	6.957	101.37	7.786	5.435	79.19	0.031418	12.3125	117.3091	12.98	22.19	1.709	1S

DATE 740328 SYMAP STATION 72 CRUISE STATION 70 LATITUDE 40 16.00N LONGITUDE 73 38.00W
TEMPERATURE INSITU 6.70 BATH 7.20 SALINITY 33.110 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.95PPM 6.97ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.837	9.759	6.812	99.21	7.605	5.308	77.31	0.030449	11.9326	115.8519	12.98	21.90	1.687	9S
9.837	9.516	6.642	96.74	7.664	5.349	77.91	0.027341	10.7147	98.3407	13.15	18.83	1.432	5S
9.837	9.783	6.829	99.46	8.672	6.193	90.20	0.012825	5.0259	48.2478	13.18	9.26	0.703	23S
9.837	10.041	7.009	102.08	8.219	5.737	83.55	0.024365	9.5446	96.5730	13.17	18.52	1.407	6S

DATE 740328 SYMAP STATION 74 CRUISE STATION 72 LATITUDE 40 13.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 7.00 BATH 7.20 SALINITY 33.410 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.86PPM 6.91ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.818	8.502	5.934	86.60	6.707	4.681	68.31	0.008392	3.2889	93.3663	13.42	18.26	1.362	30S
9.818	9.460	6.603	96.35	8.672	6.053	88.33	0.004770	1.8695	43.7987	12.55	8.02	0.639	36S
9.818	10.069	7.028	102.56	7.466	5.211	76.04	0.034487	13.5152	145.3990	12.50	26.52	2.122	28S
9.818	9.477	6.615	96.53	7.729	5.395	78.73	0.027348	10.7173	98.5828	12.37	17.60	1.439	41S

DATE 740328 SYMAP STATION 76 CRUISE STATION 74 LATITUDE 40 13.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 7.60 BATH 7.20 SALINITY 33.640 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.71PPM 6.80ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.803	9.984	6.969	101.85	8.441	5.892	86.10	0.020756	8.1341	86.7549	12.42	15.75	1.268	14S
9.803	9.571	6.681	97.63	8.081	5.640	82.43	0.020502	8.0344	85.4623	12.17	15.20	1.249	8S
9.803	9.761	6.813	99.57	8.411	5.871	85.80	0.017207	6.7431	77.4173	12.17	13.77	1.131	16S
9.803	9.676	6.754	98.71	8.406	5.868	85.75	0.010772	4.2216	73.8712	12.00	12.96	1.080	22S

BENTHIC RESPIRATION C 07401

DATE 740326 SYMAP STATION 78 CRUISE STATION 76 LATITUDE 40 13.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 7.50 BATH 7.20 SALINITY 33.660 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.74PPM 6.82ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.802	10.102	7.052	103.07	7.911	5.522	80.71	0.029527	11.5713	123.5785	12.38	22.36	1.806	3S
9.802	8.789	6.133	89.67	7.338	5.122	74.87	0.017420	6.8268	79.5459	12.73	14.80	1.163	2S
9.802	8.969	6.260	91.51	8.307	5.798	84.75	0.008249	3.2327	36.2424	12.75	6.75	0.530	11S
9.802	9.388	6.553	95.78	8.561	5.836	85.30	0.012614	4.9435	56.0178	12.80	10.48	0.819	19S

DATE 740323 SYMAP STATION 80 CRUISE STATION 78 LATITUDE 40 13.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 7.10 BATH 7.20 SALINITY 33.130 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.86PPM 6.90ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.836	10.020	6.994	101.86	8.346	5.825	84.85	0.020612	8.0777	92.0437	12.70	17.03	1.341	1S
9.836	10.029	7.000	101.97	8.481	5.919	86.22	0.039575	15.5092	85.3160	12.67	15.75	1.243	21S
9.836	9.452	6.597	96.10	8.770	6.121	89.16	0.009373	3.6732	37.6397	12.65	6.94	0.548	12S
9.836	9.574	6.683	97.34	9.229	6.442	93.83	0.005651	2.2145	19.0918	12.62	3.51	0.278	7S

DATE 740328 SYMAP STATION 82 CRUISE STATION 80 LATITUDE 40 13.00N LONGITUDE 73 58.00W
TEMPERATURE INSITU 6.80 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.211	9.939	6.937	81.40	9.236	6.446	75.63	0.015028	5.8895	39.0326	12.58	5.76	0.458	FORMRUNP1542S
12.211	9.651	6.736	79.04	9.011	6.289	73.79	0.015362	6.0204	35.0560	12.75	5.24	0.411	FORMRUNPR527S
12.211	9.176	6.405	75.14	8.226	5.742	67.37	0.015395	6.0331	51.7630	12.80	7.77	0.607	PR 31(6) 31S
12.211	9.409	6.568	77.06	8.712	6.081	71.34	0.012320	4.8281	37.6858	12.92	5.71	0.442	PR 37(10) 37S

DATE 740329 SYMAP STATION 84 CRUISE STATION 82 LATITUDE 40 13.00N LONGITUDE 73 59.00W
TEMPERATURE INSITU 6.10 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.211	9.853	6.877	80.69	0.0	0.0	0.0	0.687721	269.5110	687721.4375	0.01	80.69	******	SAMP LOST 36S
12.211	8.571	6.192	72.65	5.300	3.699	43.40	0.052176	20.4473	224.9470	11.08	29.24	2.639	SAL MISS 38S

DATE 740329 SYMAP STATION 86 CRUISE STATION 84 LATITUDE 40 10.00N LONGITUDE 73 56.00W
TEMPERATURE INSITU 6.00 BATH 7.20 SALINITY 33.000 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.12PPM 7.09ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.844	10.173	7.101	103.34	6.768	4.724	68.75	0.052972	20.7591	194.0093	12.25	34.59	2.824	Q FIN PAD 18S
9.844	10.032	7.002	101.91	9.204	6.424	93.49	0.014969	5.8664	47.0261	12.30	8.42	0.684	14S
9.844	9.917	6.922	100.74	9.083	6.340	92.27	0.008970	3.5151	46.8288	11.92	8.47	0.711	16S
9.844	10.071	7.030	102.31	9.366	6.537	95.14	0.011202	4.3898	41.0483	12.00	7.17	0.597	23S
9.844	9.573	6.682	97.24	5.239	3.657	53.22	0.078595	30.8007	241.9686	12.50	44.02	3.522	20S

DATE 740329 SYMAP STATION 88 CRUISE STATION LATITUDE 40 10.00N LONGITUDE 73 52.00W
TEMPERATUR ITU 6.00 BATH 7.20 SALINITY 32.500 BOTTOM DO ****PPM *****ML/L 100% SATURATION 10.15PPM 7.11ML/L % SATUR **

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.876	9.741	6.799	98.63	9.518	6.644	96.38	0.003356	1.3153	12.6716	12.25	2.25	0.184	2S
9.876	9.864	6.885	99.88	6.506	4.541	65.88	0.025986	10.1836	191.3362	12.25	34.00	2.776	9S
9.876	9.968	6.958	100.93	8.783	6.130	88.93	0.011726	4.5955	67.5280	12.25	12.00	0.980	19S

DATE 740329 SYMAP STATION 90 CRUISE STATION 88 LATITUDE 40 10.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU 6.75 BATH 7.20 SALINITY 32.700 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.96PPM 6.98ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.863	9.925	6.927	100.62	8.865	6.168	89.88	0.021849	8.5624	60.7504	12.17	10.74	0.882	INSITUESTA11S
9.863	9.595	6.697	97.28	8.654	6.040	87.74	0.012901	5.0556	53.7437	12.22	9.54	0.781	3S
9.863	9.945	6.942	100.83	8.408	5.869	85.24	0.031847	12.4804	87.0385	12.33	15.59	1.264	1S
9.863	9.925	6.928	100.63	7.912	5.523	80.22	0.022331	8.7515	113.9708	12.33	20.41	1.655	12S

DATE 740329 SYMAP STATION 92 CRUISE STATION 90 LATITUDE 40 10.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 7.50 BATH 7.20 SALINITY 33.790 BOTTOM DO *****PPM *****ML/L 100% SATURATION 9.73PPM 6.81ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.793	9.439	6.569	96.39	8.607	6.008	87.89	0.012236	4.7950	47.4807	12.23	8.49	0.695	13S
9.793	8.887	6.203	90.75	8.650	4.642	67.91	0.023161	9.0765	127.1273	12.28	22.64	1.860	6S
9.793	9.353	6.528	95.50	8.710	6.080	88.94	0.010259	4.0203	36.4021	12.32	6.56	0.533	6S
9.793	10.035	7.005	102.47	8.208	5.729	83.81	0.027206	10.6616	103.1086	12.37	16.66	1.508	PR 37(10) 37S

DATE 740331 SYMAP STATION 94 CRUISE STATION 92 LATITUDE 40 10.00N LONGITUDE 73 40.00W
TEMPERATURE INSITU 6.00 BATH 7.20 SALINITY 32.820 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.13PPM 7.09ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.856	9.496	6.628	96.35	8.530	5.954	86.55	0.017057	6.6845	55.7740	12.08	9.79	0.811	18S
9.856	9.008	6.288	91.40	8.193	5.719	83.13	0.003350	3.2725	47.4022	12.00	8.27	0.689	19S
9.856	8.187	5.715	83.07	2.777	1.939	28.18	0.057773	22.6408	310.2910	12.17	54.89	4.511	SEACUCUMB7 6S
9.856	8.915	6.223	90.45	6.510	4.544	66.05	0.023603	9.2498	137.0486	12.25	24.40	1.992	20S

BENTHIC RESPIRATION C[illegible] 07401

DATE 740331 SYMAP STATION 96 CRUISE STATION 94 LATITUDE 40 10.00N LONGITUDE 73 36.00W
TEMPERATURE INSITU 6.10 BATH 7.20 SALINITY 32.720 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.11PPM 7.08ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.852	9.445	6.592	95.77	7.466	5.211	75.71	0.044004	17.2448	115.8579	11.92	20.06	1.683	CUMACEANS 13S
9.852	9.614	6.710	97.48	7.743	5.404	78.51	0.040217	15.7606	108.1115	12.08	18.97	1.571	7S
9.852	9.271	6.471	94.01	6.753	4.713	68.47	0.045583	17.8636	143.5003	12.25	25.54	2.085	CUMACEANS 8S
9.852	9.899	6.909	100.37	6.547	4.569	66.38	0.051164	20.0506	191.0037	12.25	33.99	2.775	CUMPR37(1037S

DATE 740331 SYMAP STATION 98 CRUISE STATION 96 LATITUDE 40 13.00N LONGITUDE 73 36.00W
TEMPERATURE INSITU 5.00 BATH 7.20 SALINITY 32.820 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.22PPM 7.16ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.856	10.067	7.041	102.35	8.262	5.767	83.83	0.035787	14.0245	106.7469	11.93	18.51	1.552	INSITUESTA24S
9.856	10.085	7.059	102.33	8.702	6.074	88.30	0.027067	10.6071	80.5498	11.98	14.03	1.171	9S
9.856	10.231	7.141	103.81	8.627	6.022	87.53	0.030294	11.8720	93.4448	11.98	16.27	1.358	3S
9.856	10.035	7.004	101.82	8.650	6.038	87.77	0.026655	10.4459	79.5498	12.15	14.05	1.156	14S

DATE 740401 SYMAP STATION 100 CRUISE STATION 98 LATITUDE 40 19.00N LONGITUDE 73 36.00W
TEMPERATURE INSITU 5.10 BATH 7.20 SALINITY 32.420 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.37PPM 7.26ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.831	10.259	7.147	103.62	8.289	5.786	83.89	0.026097	10.2273	107.4229	12.67	19.73	1.557	12S
9.831	10.225	7.137	103.48	8.569	5.981	86.72	0.024162	9.4690	91.7298	12.60	16.76	1.330	4S
9.831	10.052	7.016	101.72	7.826	5.462	79.20	0.034737	13.6131	122.6349	12.67	22.53	1.778	11S

DATE 740401 SYMAP STATION 102 CRUISE STATION 100 LATITUDE 40 25.00N LONGITUDE 73 36.00W
TEMPERATURE INSITU 5.30 BATH 7.20 SALINITY 32.090 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.35PPM 7.25ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.903	10.196	7.117	102.96	9.454	6.599	95.47	0.011507	4.5096	41.6951	12.42	7.49	0.603	21S
9.903	9.906	6.914	100.03	8.982	6.270	90.70	0.013236	5.1869	52.5584	12.27	9.33	0.760	17S
9.903	10.159	7.091	102.59	9.026	6.300	91.15	0.015459	6.0583	64.9944	12.17	11.44	0.940	16S
9.903	9.911	6.918	100.08	9.410	6.568	95.03	0.011119	4.3573	28.6030	12.22	5.06	0.414	19S
9.903	10.190	7.113	102.90	9.618	6.853	99.15	0.006795	2.6628	21.2211	12.23	3.75	0.307	20S

DATE 740401 SYMAP STATION 104 CRUISE STATION 1[illegible] LATITUDE 40 31.00N LONGITUDE 73 36.00W
EMPERATURE [illegible]0 6.30 BATH 7.20 SALINITY 32.970 BOTTOM DO *****P[illegible]***ML/L 100% SATURATION 10.05PPM 7.04ML/L % SATUR *[illegible]

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.846	9.937	6.936	100.92	9.160	6.394	93.04	0.010350	4.0562	43.3407	12.50	7.68	0.631	5S
9.846	9.988	6.972	101.44	7.855	5.483	79.78	0.020941	8.2067	117.5008	12.67	21.66	1.710	6S
9.846	10.029	7.000	101.86	9.016	6.293	91.57	0.015168	5.9443	56.2014	12.58	10.29	0.818	8S
9.846	9.792	6.835	99.45	8.960	6.254	91.00	0.012289	4.8161	45.5385	12.75	8.45	0.663	PR 37(10) 37S

DATE 740401 SYMAP STATION 106 CRUISE STATION 104 LATITUDE 40 34.75N LONGITUDE 73 44.00W
EMPERATURE INSITU 5.10 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.211	9.688	6.762	79.34	9.024	6.298	73.90	0.012101	4.7423	38.3926	12.08	5.44	0.450	PR 42(15) 42S
12.211	9.526	6.649	78.02	8.560	5.975	70.10	0.013520	5.2984	55.4351	12.17	7.92	0.650	PR 27(5) 27S
12.211	9.746	6.803	79.82	8.751	6.108	71.67	0.011854	4.6456	57.0275	12.18	8.15	0.669	SAL MISS 9S
12.211	9.333	6.515	76.43	8.166	5.700	66.88	0.017788	6.9709	66.9189	12.17	9.56	0.785	SAL MISS 14S

DATE 740401 SYMAP STATION 107 CRUISE STATION 105 LATITUDE 40 33.00N LONGITUDE 73 44.00W
EMPERATURE INSITU 5.50 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	100NOTDONE13S
12.211	10.095	7.046	82.67	9.139	6.379	74.84	0.018137	7.1077	54.8043	12.17	7.83	0.643	SAL MISS 7S
12.211	9.981	6.967	81.74	9.477	6.615	77.61	0.008760	3.4331	28.9259	12.17	4.13	0.339	SAL MISS 17S
12.211	10.001	6.981	81.90	9.312	6.500	76.26	0.010848	4.2511	39.5023	12.17	5.64	0.463	SAL MISS 16S

DATE 740401 SYMAP STATION 108 CRUISE STATION 106 LATITUDE 40 32.00N LONGITUDE 73 52.00W
EMPERATURE INSITU 5.50 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
12.211	9.576	6.685	78.44	8.191	5.717	67.08	0.023173	9.0814	73.0734	13.25	11.36	0.857	SAL MISS 4S
12.211	9.928	6.930	81.31	8.774	6.124	71.85	0.019775	7.7495	62.0062	13.00	9.46	0.728	SAL MISS 12S
12.211	9.916	6.922	81.21	8.774	6.124	71.85	0.020839	8.1666	60.1838	13.25	9.36	0.706	SAL MISS 20S
12.211	9.806	6.844	80.30	8.854	6.180	72.51	0.016296	6.3864	50.1394	13.25	7.79	0.588	SAL MISS 21S

BENTHIC RESPIRATION C[illegible] 07401

DATE 740402 SYMAP STATION 110 CRUISE STATION 107 LATITUDE 40 33.00N LONGITUDE 73 59.80W
MPERATURE INSITU 6.00 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
2.211	9.647	6.754	79.01	7.782	5.432	63.73	0.015969	6.2582	61.9902	21.00	15.27	0.727	SAL MISS 13S
2.211	9.721	6.765	79.61	8.259	5.764	67.63	0.014966	5.8649	48.6132	21.00	11.98	0.570	SAL MISS 19S
2.211	9.539	6.658	78.12	8.405	5.866	68.83	0.008992	3.5239	37.3074	21.22	9.29	0.438	SAL MISS 16S
2.211	9.931	6.967	81.74	8.556	5.972	70.07	0.013201	5.1733	46.8078	21.25	11.67	0.549	SAL MISS 7S

DATE 740403 SYMAP STATION 109 CRUISE STATION 108 LATITUDE 40 23.50N LONGITUDE 73 50.00W
MPERATURE INSITU 6.30 BATH 7.20 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
2.211	9.375	6.544	75.78	6.498	4.536	53.22	0.059687	23.3907	182.5661	11.00	23.56	2.142	INSITUESTA24S
2.211	8.295	5.790	67.93	6.217	4.339	50.91	0.039836	15.6115	131.4956	11.03	17.02	1.543	SAL MISS 11S
2.211	9.518	6.644	77.95	6.683	4.665	54.73	0.054098	21.2005	170.8668	11.58	23.21	2.005	SAL MISS 6S
2.211	8.442	5.892	69.13	7.035	4.890	57.37	0.025429	9.9654	87.4104	11.47	11.76	1.026	PR 42(15) 42S
2.211	7.129	4.976	58.38	6.683	4.664	54.73	0.008294	3.2502	27.2747	11.43	3.66	0.320	PR 27(5) 27S
2.211	9.114	6.361	74.64	6.961	4.859	57.01	0.037752	14.7947	132.0282	11.38	17.63	1.549	SAL MISS 2S
2.211	9.258	6.462	75.82	7.117	4.968	58.29	0.037690	14.7702	132.2423	11.30	17.53	1.552	SAL MISS 21S
2.211	9.339	6.519	76.49	7.360	5.138	60.28	0.040273	15.7826	122.0307	11.32	16.21	1.432	SAL MISS 9S
2.211	9.351	6.527	76.58	8.346	5.825	68.35	0.020348	7.9743	62.6438	11.20	8.23	0.735	SAL MISS 4S
2.211	8.133	5.676	66.36	6.483	4.525	53.09	0.031555	12.3660	101.7285	11.12	13.27	1.194	SAL MISS 7S
2.211	8.309	5.800	68.05	5.319	3.713	43.56	0.044217	17.3280	188.3774	11.08	24.49	2.210	SAL MISS 20S
2.211	9.147	6.384	74.91	6.445	4.498	52.78	0.050860	19.9314	170.6731	11.05	22.13	2.002	SAL MISS 3S

DATE 740826 SYMAP STATION 19 CRUISE STATION 0[illegible] LATITUDE 40 28.00N LONGITUDE 73 50[illegible]
PERATURE [illegible]019.41 BATH19.50 SALINITY 31.332 BOTTOM DO 4.50P[illegible].14ML/L 100% SATURATION 7.69PPM 5.36ML/L % SATUR

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.675	5.884	4.107	76.67	4.932	3.442	64.25	0.024845	9.7367	86.9067	7.65	12.41	1.622	DO TUBEOFF20S
.675	6.033	4.211	78.61	2.686	1.875	34.99	0.094138	36.8916	307.8247	7.59	43.61	5.746	22S
.675	5.336	3.724	69.52	3.663	2.556	47.72	0.048246	18.9073	158.7033	7.36	21.80	2.962	23S
.675	4.443	3.101	57.89	2.858	1.995	37.23	0.042890	16.8082	152.6214	7.25	20.65	2.849	24S

DATE 740826 SYMAP STATION 20 CRUISE STATION 002 LATITUDE 40 28.00N LONGITUDE 73 54.00W
PERATURE INSITU18.64 BATH19.00 SALINITY 31.565 BOTTOM DO 5.05PPM 3.52ML/L 100% SATURATION 7.80PPM 5.46ML/L % SATUR 64.78

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.740	5.080	3.546	65.64	4.253	2.969	54.95	0.024557	9.6238	83.5430	6.91	10.69	1.546	19S
.740	6.069	4.236	78.41	3.695	2.579	47.74	0.073586	28.8376	238.0480	6.96	30.67	4.406	10S
.740	5.660	3.955	73.20	3.471	2.423	44.84	0.057081	22.3693	220.4457	6.95	28.36	4.080	10S
.740	5.539	3.866	71.56	3.591	2.506	46.39	0.051702	20.2616	194.4977	6.99	25.17	3.600	15S
.740	4.980	3.476	64.34	4.671	3.260	60.34	0.011962	4.6876	35.3909	6.10	4.00	0.655	17m
.740	4.602	3.254	60.23	4.460	3.113	57.62	0.005167	2.0250	23.2567	6.06	2.61	0.430	15m

DATE 740825 SYMAP STATION 22 CRUISE STATION 3 LATITUDE 40 28.00N LONGITUDE 73 50.00W
MPERATURE INSITU16.46 BATH18.00 SALINITY 31.980 BOTTOM DO 4.35PPM 3.04ML/L 100% SATURATION 8.12PPM 5.69ML/L % SATUR 53.56

O%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.875	3.451	2.409	43.82	2.107	1.471	26.76	0.039801	15.5975	156.2940	6.00	17.06	2.843	TEMP PROB 2S

DATE 740827 SYMAP STATION 21 CRUISE STATION 4 LATITUDE 40 28.00N LONGITUDE 73 52.00W
MPERATURE INSITU17.71 BATH22.00 SALINITY 31.760 BOTTOM DO 5.50PPM 3.84ML/L 100% SATURATION 7.93PPM 5.55ML/L % SATUR 69.35

O%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.295	4.924	3.437	67.49	2.919	2.038	40.02	0.044547	17.4576	223.8291	6.25	27.47	4.396	TEMP PROB 6S
7.295	5.165	3.605	70.80	3.397	2.371	46.56	0.048178	18.8804	199.4037	6.19	24.24	3.916	TEMP PROB 9S
7.295	5.297	3.698	72.61	3.004	2.097	41.18	0.070510	27.6321	260.2937	6.15	31.44	5.112	TEMP PROB 21S
7.295	5.358	3.740	73.44	2.999	2.093	41.10	0.059972	23.5025	270.3696	6.09	32.33	5.309	TEMP PROB 10S

BENTHIC RESPIRATION C[illegible]D7409

DATE 740827 SYMAP STATION 14 CRUISE STATION 6 LATITUDE 40 31.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU20.36 BATH19.00 SALINITY 31.170 BOTTOM DO 7.20PPM 5.03ML/L 100% SATURATION 7.48PPM 5.24ML/L % SATUR 96.23

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.758	5.424	3.786	69.91	4.377	3.055	56.42	0.033943	13.3019	124.8752	5.85	13.49	2.306	19S

DATE 740827 SYMAP STATION 16 CRUISE STATION 8 LATITUDE 40 31.00N LONGITUDE 73 56.00W
TEMPERATURE INSITU23.15 BATH23.00 SALINITY 29.110 BOTTOM DO 8.05PPM 5.62ML/L 100% SATURATION 7.24PPM 5.07ML/L % SATUR 111.13

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.269	6.602	4.609	90.83	5.030	3.511	69.19	0.048806	19.1264	186.4053	5.89	21.64	3.674	28S
7.269	5.396	4.115	81.11	5.355	3.738	73.66	0.016705	6.5465	63.9406	5.91	7.45	1.260	27S
7.269	6.232	4.350	85.73	5.631	3.910	77.05	0.023367	9.1571	73.8698	5.96	8.68	1.456	25W
7.269	6.583	4.595	90.56	5.720	3.992	78.68	0.036869	14.4487	104.7751	5.75	11.87	2.065	20W

DATE 740827 SYMAP STATION 1 CRUISE STATION 9 LATITUDE 40 34.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU23.15 BATH23.00 SALINITY 29.585 BOTTOM DO 8.35PPM 5.83ML/L 100% SATURATION 7.22PPM 5.06ML/L % SATUR 115.59

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.249	6.252	4.364	86.25	4.346	3.033	59.94	0.052927	20.7416	198.9573	6.69	26.30	3.932	6S
7.249	3.048	2.127	42.04	2.442	1.704	33.68	0.015000	5.8784	63.5090	6.66	8.36	1.255	17S
7.249	6.224	4.344	85.85	3.507	2.448	48.38	0.075971	29.7724	287.7288	6.59	37.47	5.686	20S
7.249	4.168	2.909	57.50	2.941	2.053	40.57	0.028174	11.0410	130.5386	6.56	16.92	2.580	22S

DATE 740827 SYMAP STATION 2 CRUISE STATION 10 LATITUDE 40 34.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU21.78 BATH23.00 SALINITY 31.133 BOTTOM DO 5.90PPM 4.12ML/L 100% SATURATION 7.35PPM 5.15ML/L % SATUR 80.24

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.135	5.049	3.524	70.27	3.167	2.211	44.09	0.056318	22.0706	214.2309	6.13	26.19	4.272	24S
7.135	4.714	3.290	65.61	2.712	1.893	37.74	0.069295	27.1561	236.4838	5.91	27.87	4.716	9S
7.135	4.413	3.080	61.42	2.747	1.917	38.23	0.065296	25.5889	200.1575	5.81	23.19	3.991	18S
7.135	5.842	4.078	81.31	3.146	2.196	43.79	0.105108	41.1909	318.3916	5.91	37.52	6.349	13S
7.135	4.385	3.061	61.03	4.865	3.396	67.71	-0.020910	-8.1945	-56.1722	5.96	-6.68	-1.120	15W
7.135	4.561	3.183	63.48	5.030	3.511	70.00	-0.015360	-6.0195	-54.8921	5.96	-6.52	-1.095	21W

DATE 740[illegible] SY____STA____ ____CRU____STA____ LATITUDE 40 34.00N LONGITUDE 73 44.00W
TEMPERATUR[illegible]1T022.72 BATH23.00 SALINITY 30.717 BOTTOM DO 7.4[illegible] 5.20ML/L 100% SATURATION 7.24PPM 5.07ML/L % SATUR[illegible]90

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.202	5.531	3.860	76.79	2.420	1.669	33.60	0.084793	33.2293	334.0205	6.50	43.19	6.644	32S
7.202	4.777	3.335	66.33	2.256	1.575	31.33	0.073453	28.7856	272.3997	6.46	35.00	5.419	30S
7.202	4.598	3.209	63.84	2.792	1.949	38.76	0.054597	21.3962	193.6053	6.51	25.07	3.851	36S
7.202	3.481	2.430	48.34	2.816	1.966	39.10	0.020160	7.9007	70.4438	6.59	9.23	1.401	35S

DATE 740827 SYMAP STATION 4 CRUISE STATION 12 LATITUDE 40 34.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU23.00 BATH23.00 SALINITY 29.976 BOTTOM DO 7.60PPM 5.30ML/L 100% SATURATION 7.23PPM 5.07ML/L % SATUR 105.07

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.233	7.011	4.894	95.93	5.545	3.871	76.67	0.052811	20.6960	163.6988	6.25	20.26	3.242	2S
7.233	6.541	4.565	90.43	5.881	4.105	81.30	0.021007	8.2323	72.4176	6.36	9.12	1.434	16S
7.233	4.690	3.413	67.61	3.307	2.308	45.72	0.055431	21.7229	173.7529	6.36	21.69	3.442	23S

DATE 740827 SYMAP STATION 6 CRUISE STATION 14 LATITUDE 40 34.00N LONGITUDE 73 38.00W
TEMPERATURE INSITU23.38 BATH23.00 SALINITY 29.706 BOTTOM DO 8.80PPM 6.14ML/L 100% SATURATION 7.19PPM 5.04ML/L % SATUR 122.34

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.244	6.387	4.458	88.16	5.597	3.906	77.25	0.021441	8.4025	94.9197	5.81	10.91	1.877	7S
7.244	5.408	3.775	74.66	4.101	2.863	56.61	0.038842	15.2218	155.4589	5.87	18.05	3.074	19S
7.244	4.613	3.220	63.68	7.548	5.269	104.19	-0.063981	-25.0736	-345.4268	5.93	*****	-6.831	PROBEINMUD 6S
7.244	7.276	5.079	100.44	6.475	4.520	89.39	0.031942	12.5177	94.2721	5.93	11.06	1.864	22m
7.244	7.230	5.046	99.80	6.688	4.668	92.32	0.022747	8.9143	64.0620	5.90	7.47	1.267	12m

DATE 740628 SYMAP STATION 8 CRUISE STATION 16 LATITUDE 40 31.00N LONGITUDE 73 40.00W
TEMPERATURE INSITU18.41 BATH22.50 SALINITY 31.645 BOTTOM DO 4.45PPM 3.11ML/L 100% SATURATION 7.83PPM 5.48ML/L % SATUR 56.86

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.231	5.332	3.722	73.73	4.078	2.847	56.39	0.035168	13.7821	134.6151	6.50	17.34	2.667	TEMP PROB 9S
7.231	5.962	4.161	82.44	4.131	2.884	57.13	0.045069	17.6619	187.6108	6.81	25.31	3.717	TEMP PROB 15S
7.231	5.455	3.808	75.43	4.541	3.170	62.80	0.030569	11.9797	92.3081	6.91	12.64	1.829	TEMP PROB 18S
7.231	4.840	3.379	66.93	3.291	2.297	45.51	0.049643	19.4548	156.9721	6.89	21.43	3.110	TEMP PROB 13S

BENTHIC RESPIRATION D7409

DATE 740628 SYMAP STATION 10 CRUISE STATION 18 LATITUDE 40 31.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU16.52 BATH17.70 SALINITY 31.928 BOTTOM DO 2.45PPM 1.71ML/L 100% SATURATION 8.11PPM 5.68ML/L % SATUR 30.19

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.925	3.322	2.319	41.92	2.650	1.850	33.44	0.020012	7.8426	69.9855	6.70	8.48	1.265	24S
7.925	4.199	2.931	52.99	2.575	1.798	32.50	0.051941	20.3553	160.7484	7.05	20.49	2.906	12S
7.925	4.272	2.982	53.90	3.493	2.438	44.07	0.027303	10.6996	79.1535	6.87	9.83	1.431	19S
7.925	3.655	2.551	46.12	3.947	2.755	49.80	-0.008999	-3.5266	-28.8220	7.06	-3.68	-0.521	20S
7.925	4.014	2.802	50.65	2.821	1.969	35.60	0.036422	14.2733	116.7422	7.13	15.05	2.110	23S
7.925	4.020	3.225	58.30	2.355	1.644	29.71	0.073034	28.6212	219.9315	7.19	28.59	3.976	21S
7.925	3.290	2.296	41.52	4.272	2.982	53.90	-0.025059	-9.8205	-95.7102	7.16	*****	-1.730	17W
7.925	3.259	2.275	41.12	3.604	2.516	45.48	-0.011427	-4.4781	-33.5081	7.20	-4.36	-0.606	1W

DATE 740828 SYMAP STATION 12 CRUISE STATION 20 LATITUDE 40 31.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU18.21 BATH18.00 SALINITY 31.784 BOTTOM DO 4.95PPM 3.46ML/L 100% SATURATION 7.85PPM 5.50ML/L % SATUR 63.05

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.884	3.534	2.466	44.82	1.883	1.315	23.89	0.042414	16.6215	147.8728	7.79	20.93	2.687	4S
7.884	3.706	2.587	47.01	1.566	1.093	19.86	0.050061	19.6182	188.8807	7.91	27.15	3.432	11S
7.884	3.536	2.468	44.84	1.965	1.371	24.92	0.031916	12.5076	138.2690	7.93	19.92	2.513	7S
7.884	5.190	3.622	65.82	2.742	1.914	34.77	0.060496	23.7077	213.8770	7.99	31.05	3.886	8S
7.884	4.390	3.064	55.68	4.605	3.214	58.41	-0.005879	-2.3039	-18.8923	7.95	-2.73	-0.343	5W
7.884	4.490	3.134	56.94	4.248	2.965	53.88	0.006621	2.5949	21.2945	7.93	3.07	0.387	3W

DATE 740828 SYMAP STATION 23 CRUISE STATION 21 LATITUDE 40 28.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU***** BATH22.00 SALINITY 32.269 BOTTOM DO 1.20PPM 0.84ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.274	4.133	2.885	56.82	1.208	0.843	16.61	0.073313	28.7304	274.7681	7.43	40.21	5.412	NOINSITEMP32S
7.274	3.163	2.208	43.49	0.560	0.391	7.70	0.049325	19.3301	245.2496	7.41	35.79	4.830	NOINSITEMP36S
7.274	2.785	1.944	38.29	0.651	0.455	8.95	0.034391	13.4774	199.9196	7.45	29.34	3.938	NOINSITEMP30S
7.274	3.304	2.306	45.42	0.648	0.452	8.90	0.061109	23.9482	247.1823	7.50	36.51	4.868	NOINSITEMP35S
7.274	2.795	1.951	38.42	2.662	1.858	36.60	0.003761	1.4740	11.9726	7.75	1.83	0.236	NOINSITEMP26W
7.274	4.896	3.418	67.31	2.868	2.002	39.42	0.041449	16.2436	179.2408	7.90	27.89	3.530	NOINSITEMP28W

DATE 740628 SYMAP STATION 24 CRUISE STATION 22 LATITUDE 40 28.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU14.72 BATH20.00 SALINITY 32.274 BOTTOM DO 1.45PPM 1.01ML/L 100% SATURATION 8.40PPM 5.88ML/L % SATUR 17.26

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.558	2.291	1.599	30.31	1.176	0.821	15.56	0.035714	13.9960	122.4725	6.35	14.74	2.321	TEMP PROB 16S
7.558	2.179	1.521	28.83	1.518	1.060	20.09	0.021772	8.5324	72.5199	6.36	8.74	1.375	TEMP PROB 6S
7.558	1.603	1.259	23.86	1.980	1.382	26.20	-0.005633	-2.2075	-19.7465	6.25	-2.34	-0.374	TEMP PROB 15S
7.558	2.112	1.474	27.95	1.175	0.820	15.54	0.034120	13.3711	101.4494	6.45	12.40	1.923	TEMP PROB 2S
7.558	2.609	1.821	34.52	3.079	2.149	40.73	-0.016032	-6.2829	-50.3854	6.50	-6.21	-0.955	TEMP PROB 13W
7.558	2.525	1.763	33.41	3.207	2.239	42.43	-0.015720	-6.1606	-73.2212	6.50	-9.02	-1.388	TEMP PROB 18W

DATE 740628 SYMAP STATION 25 CRUISE STATION [illegible] LATITUDE 40 28.00N LONGITUDE 73 44.00W
EMPERATURE [illegible]TU14.76 BATH17.00 SALINITY 32.076 BOTTOM DO 1.70[illegible].19ML/L 100% SATURATION 8.41PPM 5.89ML/L % SATUR [illegible]3

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.030	2.896	2.021	35.07	2.058	1.437	25.63	0.029085	11.3981	89.1478	6.56	10.43	1.591	20S
8.030	2.743	1.914	34.16	3.833	2.675	47.73	-0.037136	-14.5534	-115.9606	6.56	*****	-2.069	23S
8.030	2.925	2.042	36.43	1.609	1.123	20.04	0.046370	18.1718	140.2187	6.55	16.39	2.502	12S
8.030	2.074	1.446	25.83	1.522	1.062	18.95	0.020787	8.1464	58.9059	6.55	6.88	1.051	24S
8.030	1.898	1.325	23.63	2.080	1.452	25.91	-0.006535	-2.5608	-19.4520	6.55	-2.27	-0.347	1S
8.030	2.250	1.577	28.14	3.021	2.109	37.63	-0.030895	-12.1076	-80.5384	6.60	-9.48	-1.437	21m
8.030	2.696	1.882	33.58	3.941	2.751	49.08	-0.054527	-21.3685	-131.0670	6.63	*****	-2.339	10m

DATE 740829 SYMAP STATION 26 CRUISE STATION 24 LATITUDE 40 28.00N LONGITUDE 73 42.00W
EMPERATURE INSITU15.10 BATH17.00 SALINITY 32.208 BOTTOM DO 2.00PPM 1.40ML/L 100% SATURATION 8.34PPM 5.84ML/L % SATUR 23.98

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.023	2.337	1.631	29.13	3.077	2.148	38.35	-0.023321	-9.1391	-87.0523	5.93	-9.22	-1.554	11S
8.023	3.449	2.407	42.99	3.018	2.107	37.62	0.013810	5.4120	50.0627	6.01	5.37	0.894	4S
8.023	5.902	4.119	73.56	2.366	1.652	29.49	0.111961	43.8766	405.1863	6.09	44.06	7.235	17S
8.023	3.972	2.773	49.51	2.414	1.685	30.09	0.050376	19.7419	179.4695	6.06	19.42	3.205	9S
8.023	3.113	2.173	38.79	2.293	1.600	28.58	0.026080	10.2204	94.4061	6.06	10.22	1.686	19S
8.023	3.274	2.286	40.81	3.387	2.364	42.21	-0.004140	-1.6224	-12.9301	6.06	-1.40	-0.231	3m
8.023	3.013	2.103	37.55	3.526	2.461	43.95	-0.016817	-6.5903	-58.7839	6.10	-6.40	-1.050	14m

DATE 740829 SYMAP STATION 28 CRUISE STATION 26 LATITUDE 40 28.00N LONGITUDE 73 36.00W
EMPERATURE INSITU15.70 BATH17.00 SALINITY ****** BOTTOM DO. 2.20PPM 1.54ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.730	4.689	3.273	48.20	3.650	2.547	37.51	0.032478	12.7276	129.3542	5.61	10.69	1.905	SAL MISS 15S
9.730	5.408	3.775	55.59	3.644	2.544	37.45	0.065717	25.7538	219.8966	5.60	16.13	3.238	SAL MISS 2S
9.730	7.383	5.153	75.88	2.498	1.743	25.67	0.136871	53.6383	607.7983	5.61	50.21	8.950	SAL MISS 13S
9.730	4.376	3.054	44.98	2.338	1.632	24.03	0.069293	27.1551	252.5975	5.63	20.94	3.719	SAL MISS 6S
9.730	4.113	2.871	42.27	4.489	3.133	46.14	-0.017307	-6.7826	-46.4091	5.66	-3.87	-0.683	SAL MISS 8S

DATE 740829 SYMAP STATION 30 CRUISE STATION 23 LATITUDE 40 25.00N LONGITUDE 73 40.00W
MPERATURE INSITU16.10 BATH17.00 SALINITY 32.045 BOTTOM DO 3.50PPM 2.44ML/L 100% SATURATION 8.18PPM 5.73ML/L % SATUR 42.79

0%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.031	5.003	3.492	62.30	0.0	0.0	0.0	0.016159	6.3326	47.4296	73.63	62.50	0.846	INCUB TIME23S
8.031	4.402	3.072	54.81	2.567	1.792	31.96	0.068920	27.0089	204.9223	6.25	22.85	3.656	10S
8.031	3.586	2.503	44.65	3.178	2.218	39.57	0.015485	6.0682	45.0101	6.33	5.08	0.803	12S
8.031	4.227	2.950	52.63	2.203	1.538	27.44	0.060420	23.6781	204.7026	6.90	25.20	3.652	7S
8.031	5.369	3.748	66.85	2.491	1.739	31.02	0.096998	38.0125	289.8831	6.93	35.64	5.171	1S
8.031	3.401	2.374	42.35	1.930	1.347	24.03	0.049161	19.2657	146.6398	7.00	18.31	2.616	5S
8.031	2.852	1.991	35.51	2.962	2.067	36.88	-0.005678	-2.2251	-10.9204	7.00	-1.36	-0.195	21m
8.031	3.694	2.579	46.00	3.014	2.104	37.54	0.033562	13.1527	66.8267	7.10	8.46	1.192	24m

BENTHIC RESPIRATION CR[illegible]07409

DATE 740629 SYMAP STATION 32 CRUISE STATION 30 LATITUDE 40 25.00N LONGITUDE 73 44.00W
MPERATURE INSITU13.90 BATH17.50 SALINITY 32.446 BOTTOM DO 1.50PPM 1.05ML/L 100% SATURATION 8.54PPM 5.98ML/L % SATUR 17.57

O2%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.932	4.025	2.810	50.75	1.701	1.187	21.45	0.078052	30.5878	272.6641	5.95	29.30	4.925	TEMP PROB 18S
7.932	4.777	3.334	60.22	2.587	1.806	32.62	0.095684	37.4974	254.7129	6.00	27.60	4.601	TEMP PROB 17S
7.932	5.050	3.948	71.30	3.415	2.384	43.06	0.082764	32.4345	259.3496	6.03	28.25	4.684	TEMP PROB 14S
7.932	3.032	2.075	48.32	2.449	1.710	30.88	0.047724	18.7026	158.5497	6.09	17.44	2.864	TEMP PROB 16S
7.932	2.043	1.426	25.75	2.032	1.418	25.62	0.000565	0.2214	1.2090	6.10	0.13	0.022	TEMP PROB 9W
7.932	2.397	1.673	30.22	2.754	1.922	34.72	-0.016125	-6.3191	-40.1177	6.20	-4.49	-0.725	TEMP PROB 11W

DATE 740629 SYMAP STATION 33 CRUISE STATION 31 LATITUDE 40 25.00N LONGITUDE 73 46.00W
MPERATURE INSITU12.30 BATH17.50 SALINITY 32.653 BOTTOM DO 3.50PPM 2.44ML/L 100% SATURATION 8.82PPM 6.18ML/L % SATUR 39.69

O2%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.922	3.230	2.233	40.39	0.425	0.297	5.37	0.105201	41.2274	395.2532	4.90	35.02	7.148	TEMP PROB 8S
7.922	3.302	2.340	42.43	0.406	0.283	5.13	0.122879	48.1549	416.7439	4.95	37.31	7.536	TEMP PROB 20S
7.922	3.851	2.668	48.62	2.494	1.741	31.49	0.050949	19.9664	190.5912	4.97	17.13	3.447	TEMP PROB 15S
7.922	3.701	2.563	46.71	0.281	0.196	3.54	0.132046	51.7473	478.3860	4.99	43.17	8.651	TEMP PROB 13S
7.922	3.531	2.464	44.57	3.982	2.780	50.27	-0.019905	-7.8007	-62.6720	5.03	-5.70	-1.133	TEMP PROB 19W

DATE 740905 SYMAP STATION 33 CRUISE STATION A21 LATITUDE 40 25.00N LONGITUDE 73 46.00W
MPERATURE INSITU14.75 BATH16.00 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

O2%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.942	2.149	1.500	21.61	1.370	0.956	13.78	0.028289	11.0861	88.6344	6.13	7.83	1.277	SAL MISS 3S
9.942	1.967	1.373	19.78	0.653	0.595	8.58	0.032014	12.5458	126.0191	6.17	11.20	1.816	SAL MISS 12S
9.942	2.930	2.024	29.17	0.640	0.586	8.45	0.078254	30.6668	232.3273	6.19	20.72	3.348	SAL MISS 14S
9.942	1.717	1.198	17.27	1.284	0.896	12.91	0.017961	7.0388	48.5137	6.23	4.36	0.699	SAL MISS 22S
9.942	2.057	1.436	20.69	2.402	1.677	24.16	-0.017207	-6.7433	-38.4993	6.26	-3.47	-0.555	SAL MISS 11W
9.942	1.935	1.352	19.48	3.229	2.254	32.48	-0.061934	-24.2714	-147.7015	6.11	*****	-2.128	SAL MISS 23W

DATE 740629 SYMAP STATION 34 CRUISE STATION 32 LATITUDE 40 25.00N LONGITUDE 73 50.00W
MPERATURE INSITU13.50 BATH17.50 SALINITY 32.715 BOTTOM DO 3.65PPM 2.55ML/L 100% SATURATION 8.59PPM 6.02ML/L % SATUR 42.47

O2%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.919	4.430	3.092	55.94	4.552	3.178	57.48	-0.003345	-1.3109	-12.0391	7.10	-1.55	-0.218	TEMP PROB 7W
7.919	4.619	3.224	58.33	4.415	3.081	55.74	0.004690	1.8382	20.0285	7.13	2.58	0.362	TEMP PROB 4W
7.919	3.930	2.722	49.25	2.598	1.813	32.80	0.033182	13.0037	128.0550	7.10	16.45	2.317	TEMP PROB 1S
7.919	4.273	2.966	54.01	2.376	1.659	30.00	0.054911	21.5191	186.1368	7.13	24.01	3.367	TEMP PROB 5S
7.919	3.954	2.767	50.05	2.036	1.421	25.71	0.052826	20.7020	187.1561	7.19	24.34	3.386	TEMP PROB 21S
7.919	4.522	3.156	57.10	2.113	1.475	26.68	0.056028	21.9566	232.5442	7.23	30.42	4.207	TEMP PROB 3S

DATE 740902 SYMAP STATION 34 CRUISE STATION LATITUDE 25 N LONGITUDE 3 5 W

EMPERATURE INSITU15.11 BATH14.70 SALINITY ****** BOTTOM DO 2.55 .78ML/L 100% SATURATION *****PPM *****ML/L % SATUR

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
0.231	2.685	1.674	26.25	1.791	1.250	17.51	0.023328	9.1419	96.7865	6.45	8.74	1.355	SAL MISS 5S
0.231	2.391	1.669	23.37	1.337	0.933	13.07	0.031259	12.2501	114.0829	6.45	10.30	1.598	20S
0.231	2.347	1.638	22.94	1.615	1.127	15.78	0.022097	8.6594	67.3523	7.59	7.16	0.943	11S
0.231	2.196	1.533	21.47	1.423	0.997	13.96	0.020331	7.9675	70.1804	7.64	7.51	0.983	6S
0.231	4.776	3.335	46.70	5.366	3.745	52.45	-0.022260	-8.7233	-53.3472	7.69	-5.74	-0.747	23m
0.231	4.669	3.259	45.64	5.042	3.519	49.28	-0.015100	-5.9177	-33.4218	7.78	-3.64	-0.468	1m

DATE 740829 SYMAP STATION 35 CRUISE STATION 33 LATITUDE 40 25.00N LONGITUDE 73 52.00W

MPERATURE INSITU11.22 BATH16.00 SALINITY 32.716 BOTTOM DO 3.35PPM 2.34ML/L 100% SATURATION 9.02PPM 6.32ML/L % SATUR 37.13

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.162	3.492	2.438	42.78	1.840	1.285	22.55	0.068782	26.9548	197.7471	5.83	20.24	3.471	TEMP PROB 10S
8.162	2.750	1.920	33.70	0.669	0.467	8.20	0.077642	30.4272	247.8603	5.86	25.49	4.351	TEMP PROB 11S
8.162	3.016	2.105	36.95	2.504	1.748	30.67	0.021125	8.2786	60.3657	5.92	6.27	1.060	TEMP PROB 0S
8.162	3.851	2.688	47.19	2.119	1.479	25.96	0.076536	29.9935	202.5359	5.97	21.22	3.555	TEMP PROB 2S
8.162	4.012	2.800	49.15	2.066	1.442	25.31	0.083043	32.5438	227.5011	5.97	23.64	3.993	TEMP PROB 17S
8.162	2.869	2.002	35.15	1.839	1.284	22.54	0.038582	15.1198	121.7765	5.90	12.61	2.137	TEMP PROB 14S
8.162	3.863	2.697	47.33	4.213	2.941	51.62	-0.015628	-6.1243	-40.0512	6.10	-4.29	-0.703	TEMP PROB 15m
8.162	3.534	2.467	43.30	3.562	2.487	43.65	-0.001575	-0.6172	-3.2133	6.15	-0.35	-0.056	TEMP PROB 10m

DATE 740905 SYMAP STATION 35 CRUISE STATION A33 LATITUDE 40 25.00N LONGITUDE 73 52.00W

EMPERATURE INSITU17.07 BATH16.00 SALINITY ****** BOTTOM DO 3.60PPM 2.51ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.942	3.635	2.537	36.56	1.916	1.337	19.27	0.074769	29.3011	199.9523	6.00	17.29	2.881	PR 16(39) 10S
9.942	4.315	3.012	43.40	2.198	1.534	22.11	0.061501	24.1015	242.2375	6.10	21.29	3.491	SAL MISS 17S
9.942	3.936	2.747	39.59	3.032	2.116	30.49	0.036834	14.4349	103.4596	6.10	9.09	1.491	SAL MISS 20S
9.942	3.266	2.279	32.85	2.099	1.465	21.11	0.046812	18.3451	133.5155	6.10	11.74	1.924	SAL MISS 24S
9.942	3.403	2.375	34.23	3.821	2.667	38.43	-0.020015	-7.8438	-47.4009	6.15	-4.20	-0.683	SAL MISS 0m
9.942	3.389	2.365	34.08	3.221	2.248	32.39	0.007133	2.7954	18.9216	6.20	1.69	0.273	SAL MISS 9m

DATE 740829 SYMAP STATION 36 CRUISE STATION 34 LATITUDE 40 25.00N LONGITUDE 73 54.00W

EMPERATURE INSITU15.62 BATH16.00 SALINITY 32.041 BOTTOM DO 2.10PPM 1.47ML/L 100% SATURATION 8.23PPM 5.76ML/L % SATUR 25.53

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.196	5.895	4.115	71.93	2.832	1.977	34.55	0.115373	45.2135	298.2341	7.17	37.36	5.213	26S
8.196	5.535	3.863	67.53	2.650	1.850	32.34	0.107301	42.0502	278.4719	7.23	35.20	4.868	20S
8.196	4.134	2.886	50.45	3.534	2.502	43.73	0.017949	7.0342	52.6369	7.30	6.72	0.920	48S
8.196	5.087	3.551	62.07	2.319	1.618	28.29	0.094950	37.2098	262.8765	7.35	33.78	4.595	35S
8.196	2.317	1.617	28.27	2.761	1.927	33.69	-0.020763	-8.1366	-41.9413	7.39	-5.42	-0.733	34m
8.196	2.328	1.625	28.40	3.470	2.422	42.34	-0.049966	-19.5811	-107.3025	7.43	*****	-1.876	31m

BENTHIC RESPIRATION CRUI 409

DATE 740629 SYMAP STATION 37 CRUISE STATION 35 LATITUDE 40 25.00N LONGITUDE 73 56.00W
ERATURE INSITU15.17 BATH16.50 SALINITY 32.528 BOTTOM DO 1.55PPM 1.08ML/L 100% SATURATION 8.06PPM 6.07ML/L % SATUR 17.89

SATU PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
039	1.854	1.294	22.92	0.437	0.340	6.02	0.037257	14.6006	160.6366	5.94	16.90	2.845	TEMP PROB 12S
039	1.679	1.172	20.76	0.257	0.179	3.17	0.041044	16.0849	164.6718	6.03	17.59	2.917	TEMP PROB 24S
039	1.145	0.801	14.19	0.403	0.281	4.98	0.022939	8.9894	86.1957	6.03	9.21	1.527	TEMP PROB 13S
039	2.511	1.753	31.04	0.881	0.615	10.89	0.056927	22.3092	188.9661	6.02	20.15	3.347	TEMP PROB 6S

DATE 740630 SYMAP STATION 38 CRUISE STATION 36 LATITUDE 40 25.00N LONGITUDE 73 57.00W
ERATURE INSITU16.31 BATH17.00 SALINITY 31.920 BOTTOM DO 2.65PPM 1.85ML/L 100% SATURATION 8.07PPM 5.65ML/L % SATUR 32.85

SATU PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
037	2.737	1.911	34.06	3.562	2.486	44.32	-0.020624	-8.0823	-76.0399	7.57	*****	-1.355	44S
037	3.946	2.754	49.09	4.623	3.367	60.01	-0.017624	-6.9065	-80.3903	7.62	*****	-1.433	46S
037	4.733	3.304	58.89	4.327	3.020	53.83	0.013297	5.2108	37.1563	7.63	5.05	0.662	43S
037	5.248	3.663	65.30	4.792	3.345	59.63	0.011267	4.4153	41.5558	7.65	5.67	0.741	47S
037	2.773	1.939	34.56	3.410	2.380	42.43	-0.021251	-8.3280	-57.1532	7.72	-7.87	-1.019	32W
037	2.927	2.043	36.41	3.589	2.505	44.66	-0.017204	-6.7421	-59.3232	7.80	-8.25	-1.057	33W

DATE 740630 SYMAP STATION 40 CRUISE STATION 38 LATITUDE 40 22.00N LONGITUDE 73 56.00W
ERATURE INSITU20.16 BATH17.00 SALINITY ****** BOTTOM DO 4.50PPM 3.14ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

SATU PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
730	4.866	3.396	50.01	4.109	2.868	42.24	0.026282	10.2998	75.9445	6.95	7.77	1.118	TEMP PROB 20W
730	7.347	5.126	75.51	4.254	2.969	43.72	0.114636	44.9245	308.8044	6.99	31.78	4.547	TEMP PROB 19W
730	3.573	2.494	36.73	2.819	1.968	28.97	0.026747	10.4819	74.6650	7.05	7.75	1.099	TEMP PROB 3S
730	3.279	2.289	33.70	2.440	1.703	25.08	0.029757	11.6616	82.4550	7.10	8.62	1.214	TEMP PROB 18S
730	4.940	3.452	50.64	2.923	2.040	30.04	0.063639	24.9396	198.0951	7.13	20.60	2.917	TEMP PROB 21S
730	3.174	2.215	32.62	2.756	1.924	28.33	0.014915	5.8450	40.7703	7.15	4.29	0.600	TEMP PROB 17S

DATE 740630 SYMAP STATION 42 CRUISE STATION 40 LATITUDE 40 22.00N LONGITUDE 73 52.00W
ERATURE INSITU14.46 BATH17.00 SALINITY 32.327 BOTTOM DO 1.45PPM 1.01ML/L 100% SATURATION 8.45PPM 5.92ML/L % SATUR 17.15

SATU PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
018	5.636	3.934	70.30	2.023	1.412	25.23	0.024529	9.6125	78.4425	32.15	45.06	1.402	INCUB TIME17S
018	6.163	4.305	76.93	3.032	2.116	37.81	0.113651	44.5386	311.3521	7.03	39.11	5.564	2S
018	2.111	1.474	26.34	2.528	1.764	31.53	-0.014745	-5.7786	-41.4007	7.02	-5.19	-0.740	11S
018	5.360	3.741	66.86	3.863	2.696	48.18	0.049825	19.5261	148.2357	7.05	18.67	2.649	6S

DATE 740830 SYMAP STATION 43 CRUISE STATION LATITUDE 40 22.00N LONGITUDE 73 50.00W
EMPERATURE U10.99 BATH17.00 SALINITY ****** BOTTOM DO 3.95P .76ML/L 100% SATURATION *****PPM *****ML/L % SATUR

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.730	5.072	3.540	52.13	3.406	2.377	35.00	0.072486	28.4064	195.7890	5.94	17.12	2.883	TEMP PROB 5S
9.730	4.939	3.447	50.76	3.193	2.229	32.82	0.072656	28.4731	204.0678	5.97	17.94	3.005	TEMP PROB 14S
9.730	5.037	3.516	51.77	3.330	2.324	34.23	0.075796	29.7035	197.8607	6.02	17.54	2.913	TEMP PROB 10S
9.730	5.814	4.058	59.75	3.347	2.336	34.40	0.101967	39.9597	284.6184	6.05	25.36	4.191	TEMP PROB 1S
9.730	6.418	4.480	65.97	2.447	1.708	25.15	0.152462	59.7483	452.9338	6.12	40.82	6.669	TEMP PROB 6S
9.730	6.290	4.390	64.65	3.095	2.161	31.81	0.131316	51.4614	362.5559	6.15	32.63	5.339	TEMP PROB 9S
9.730	4.258	2.972	43.76	3.644	2.683	39.51	0.019543	7.6588	46.8868	6.15	4.25	0.690	TEMP PROB 13m
9.730	5.617	3.920	57.73	3.860	2.694	39.67	0.073303	28.7268	195.5321	6.27	18.05	2.879	TEMP PROB 12m

DATE 740902 SYMAP STATION 43 CRUISE STATION B41 LATITUDE 40 22.00N LONGITUDE 73 50.00W
EMPERATURE INSITU14.92 BATH15.00 SALINITY ****** BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.163	6.977	4.870	68.65	3.111	2.171	30.61	0.175138	68.6348	420.3025	6.42	38.04	5.925	MACRODOMIS21S
10.163	7.639	5.332	75.16	2.713	1.894	26.70	0.187687	73.5526	534.7141	6.43	48.47	7.538	SAL MISS 10S
10.163	4.761	3.323	46.85	2.362	1.648	23.24	0.101900	39.9337	260.0720	6.44	23.61	3.666	SAL MISS 14S
10.163	3.737	2.609	36.77	2.327	1.624	22.89	0.061997	24.2960	152.6738	6.45	13.68	2.152	SAL MISS 3S
10.163	3.908	2.728	38.45	3.916	2.734	38.54	-0.000311	-0.1219	-0.8386	7.34	-0.09	-0.012	SAL MISS 22m
10.163	4.064	2.837	39.99	4.476	3.125	44.05	-0.014504	-5.6839	-39.0743	7.36	-4.05	-0.551	SAL MISS 2m

DATE 740830 SYMAP STATION 44 CRUISE STATION 42 LATITUDE 40 22.00N LONGITUDE 73 48.00W
EMPERATURE INSITU10.99 BATH16.50 SALINITY 32.724 BOTTOM DO 3.90PPM 2.72ML/L 100% SATURATION 9.07PPM 6.35ML/L % SATUR 43.02

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.079	4.669	3.259	57.79	2.311	1.613	28.60	0.064722	25.3637	238.9253	6.89	29.19	4.237	TEMP PROB 47S
8.079	4.722	3.296	58.45	2.046	1.428	25.32	0.063073	24.7176	267.2761	6.99	33.13	4.739	TEMP PROB 31S
8.079	3.737	2.609	46.26	4.104	2.864	50.79	-0.014803	-5.8011	-35.8761	7.13	-4.54	-0.636	TEMP PROB 33S
8.079	3.729	2.603	46.16	3.425	2.390	42.39	0.009388	3.6789	29.4259	7.22	3.77	0.522	TEMP PROB 34m
8.079	3.715	2.593	45.98	3.629	2.533	44.92	0.002568	1.3062	8.2340	7.27	1.06	0.146	TEMP PROB 20m
8.079	3.101	2.164	38.38	1.291	0.901	15.97	0.055639	21.8042	172.1519	7.34	22.41	3.053	TEMP PROB 34S

DATE 740902 SYMAP STATION 44 CRUISE STATION A42 LATITUDE 40 22.00N LONGITUDE 73 48.00W
EMPERATURE INSITU17.06 BATH16.50 SALINITY ****** BOTTOM DO 3.50PPM 2.44ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.835	3.344	2.334	34.00	3.023	2.110	30.74	0.023272	9.1201	60.5740	3.70	3.26	0.882	INCUB TIME 6S
9.835	5.109	3.566	51.94	4.064	2.837	41.33	0.033730	13.2184	123.5191	5.90	10.62	1.799	SAL MISS 5S
9.835	3.771	2.632	38.34	3.353	2.341	34.10	0.027113	10.6255	48.5185	6.00	4.24	0.707	SAL MISS 21S
9.835	3.545	2.475	36.05	3.326	2.322	33.82	0.010395	4.0736	25.4965	6.00	2.23	0.371	SAL MISS 13m
9.835	4.001	2.792	40.68	4.044	2.823	41.12	-0.002000	-0.7839	-5.0259	6.10	-0.45	-0.073	SAL MISS 19m

BENTHIC RESPIRATION CR D7409

DATE 740830 SYMAP STATION 45 CRUISE STATION 43 LATITUDE 40 22.00N LONGITUDE 73 46.00W
PERATURE INSITU12.03 BATH20.00 SALINITY 32.728 BOTTOM DO 4.20PPM 2.93ML/L 100% SATURATION 8.75PPM 6.13ML/L % SATUR 47.98

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.533	4.397	2.860	54.35	4.315	3.012	57.24	-0.011898	-4.6627	-37.1870	4.09	-2.69	-0.707	TEMPPROB0015W
.533	4.384	2.851	54.17	4.234	2.956	56.17	-0.008063	-3.1599	-25.4511	4.13	-2.00	-0.484	TEMPPROB3916W
.533	3.465	2.419	45.96	2.462	1.719	32.66	0.040690	15.9461	168.6821	4.15	13.30	3.206	TEMP PROB 48S
.533	4.145	2.894	55.00	2.458	1.716	32.61	0.073237	28.7008	283.9375	4.15	22.39	5.396	TEMP PROB 35S
.533	3.673	2.564	43.72	3.067	2.141	40.69	0.023296	9.1294	100.1307	4.22	8.03	1.903	TEMP PROB 46S
.533	3.810	2.660	50.54	3.334	2.327	44.23	0.022755	8.9173	78.2342	4.25	6.32	1.487	TEMP PROB 28S

DATE 740902 SYMAP STATION 45 CRUISE STATION 643 LATITUDE 40 22.00N LONGITUDE 73 46.00W
PERATURE INSITU12.00 BATH12.00 SALINITY ****** BOTTOM DO 3.70PPM 2.58ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.877	3.691	2.576	35.93	3.789	2.644	34.83	-0.002296	-0.8999	-10.8408	6.28	-0.90	-0.143	Q INSITEMP43S
.877	3.327	2.322	30.58	3.269	2.282	30.05	0.002389	0.9364	6.4374	6.25	0.53	0.085	Q INSITEMP34S
.877	3.931	2.744	36.14	3.107	2.169	28.56	0.019196	7.5228	84.8179	6.78	7.57	1.117	Q INSITEMP36S
.877	2.962	2.067	27.23	3.156	2.203	29.02	-0.005864	-2.2980	-21.8029	6.22	-1.79	-0.287	Q INSITEMP32S
.877	3.141	2.192	28.87	2.858	1.995	26.28	0.014140	5.5413	31.8308	6.19	2.60	0.419	Q INSITEMP33W
.877	3.092	2.158	28.43	3.409	2.380	31.34	-0.015135	-5.9312	-35.7247	6.20	-2.92	-0.471	Q INSITEMP25W

DATE 740830 SYMAP STATION 60 CRUISE STATION 44 LATITUDE 40 19.00N LONGITUDE 73 58.00W
PERATURE INSITU15.10 BATH16.50 SALINITY 32.016 BOTTOM DO 1.95PPM 1.36ML/L 100% SATURATION 8.17PPM 5.72ML/L % SATUR 23.88

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
3.114	2.977	2.078	36.69	2.536	1.770	31.26	0.010032	3.9314	39.9485	7.70	5.43	0.705	17S
3.114	2.533	1.768	31.22	5.460	3.811	67.29	-0.075012	-29.3965	-265.9961	7.68	*****	-4.697	19S
3.114	2.501	2.025	35.76	4.245	2.963	52.32	-0.034705	-13.6004	-122.9567	7.63	*****	-2.171	21S
3.114	2.233	1.502	27.59	2.077	1.869	32.99	-0.011919	-4.6711	-39.9730	7.66	-5.41	-0.706	24S
3.114	2.053	1.437	25.37	2.411	1.683	29.71	-0.015223	-5.9657	-32.0943	7.67	-4.35	-0.567	18W
3.114	1.935	1.329	23.47	2.695	1.881	33.22	-0.033215	-13.0167	-71.9551	7.67	-9.74	-1.270	4W

DATE 740830 SYMAP STATION 62 CRUISE STATION 46 LATITUDE 40 16.00N LONGITUDE 73 56.00W
MPERATURE INSITU17.99 BATH16.00 SALINITY 31.713 BOTTOM DO 3.35PPM 2.34ML/L 100% SATURATION 7.89PPM 5.52ML/L % SATUR 42.46

%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.212	5.365	3.745	65.33	5.604	3.912	69.25	-0.006076	-2.3812	-32.7207	5.10	-2.91	-0.571	12S
8.212	3.240	2.262	39.46	2.953	2.061	35.96	0.010208	4.0006	38.7821	5.17	3.50	0.677	10S
8.212	3.157	2.204	38.45	3.756	2.622	45.74	-0.020029	-7.8490	-79.1573	5.28	-7.29	-1.381	8S
8.212	6.080	4.244	74.04	5.962	4.162	72.61	0.004216	1.6521	15.3283	5.34	1.43	0.267	14S
8.212	3.312	2.312	40.33	3.739	2.610	45.54	-0.015339	-6.0113	-56.5871	5.27	-5.20	-0.987	9W
8.212	3.297	2.301	40.15	5.268	3.677	64.15	-0.078848	-30.8998	-256.6987	5.36	*****	-4.478	1W

DATE 740831 SYMAP STATION 82 CRUISE STATION [illegible] LATITUDE 40 13.00N LONGITUDE 73 58.00W
EMPERATURE [illegible]TU15.35 BATH16.00 SALINITY 32.109 BOTTOM DO 1.10[illegible] [illegible]0.77ML/L 100% SATURATION 8.30PPM 5.81ML/L % SATUR [illegible]

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.192	3.345	2.335	40.83	1.086	0.758	13.26	0.090890	35.6188	312.2041	5.05	27.57	5.460	6S
8.192	3.032	2.116	37.01	0.934	0.652	11.40	0.080207	31.4323	280.4949	5.22	25.61	4.905	2S
8.192	3.308	2.309	40.37	1.022	0.714	12.48	0.086414	33.8648	295.9343	5.39	27.90	5.175	11S
8.192	3.182	2.221	38.84	1.121	0.783	13.69	0.069905	27.3952	260.5972	5.52	25.16	4.557	5S

DATE 740831 SYMAP STATION 83 CRUISE STATION 49 LATITUDE 40 13.00N LONGITUDE 73 59.00W
EMPERATURE INSITU17.15 BATH16.00 SALINITY 31.833 BOTTOM DO 1.70PPM 1.19ML/L 100% SATURATION 8.02PPM 5.61ML/L % SATUR 21.20

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.206	3.144	2.195	38.32	2.074	1.448	25.28	0.051637	20.2359	153.7326	4.86	13.04	2.684	13S
8.206	2.107	1.471	25.68	1.438	1.004	17.52	0.034563	13.5450	95.7423	4.88	8.16	1.672	3S
8.206	2.819	1.968	34.36	1.474	1.029	17.97	0.072418	28.3797	190.0350	4.94	16.39	3.318	20S
8.206	1.873	1.307	22.82	1.526	1.065	18.60	0.018014	7.0597	48.8428	4.95	4.22	0.853	PR 16(39) 16S

DATE 740831 SYMAP STATION 84 CRUISE STATION 50 LATITUDE 40 13.00N LONGITUDE 73 59.00W
EMPERATURE INSITU20.65 BATH17.00 SALINITY ****** BOTTOM DO 4.30PPM 3.00ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.730	5.870	4.097	60.33	1.839	1.284	18.90	0.176928	69.3361	632.2141	4.45	41.43	9.309	SAL MISS 44S
9.730	8.470	5.912	87.06	2.356	1.644	24.21	0.245382	96.1627	944.1907	4.52	62.84	13.903	43S
9.730	5.495	3.836	56.48	3.122	2.179	32.08	0.101213	39.6645	360.1599	4.60	24.40	5.303	26S
9.730	5.286	3.690	54.33	4.092	2.856	42.06	0.044666	17.5040	177.7902	4.69	12.28	2.618	47W
9.730	5.810	4.056	59.72	4.254	2.969	43.72	0.071740	28.1143	229.7005	4.73	16.00	3.382	28W

DATE 740831 SYMAP STATION 86 CRUISE STATION 51 LATITUDE 40 10.00N LONGITUDE 73 56.00W
MPERATURE INSITU17.16 BATH17.00 SALINITY 31.862 BOTTOM DO 0.90PPM 0.63ML/L 100% SATURATION 8.01PPM 5.61ML/L % SATUR 11.23

00%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.040	3.020	2.108	37.57	1.943	1.356	24.16	0.057303	22.4566	130.8226	5.75	13.40	2.331	12S
8.040	4.704	3.284	58.51	2.481	1.732	30.86	0.100063	39.2137	263.8884	5.88	27.65	4.702	4S
8.040	2.110	1.473	26.25	1.658	1.297	23.11	0.013026	5.1048	29.6554	5.94	3.14	0.528	15S
8.040	1.405	0.981	17.48	1.542	1.077	19.18	-0.005659	-2.2175	-16.0212	5.97	-1.70	-0.285	17S
8.040	2.309	1.612	28.72	2.597	1.813	32.30	-0.010710	-4.1970	-33.6967	5.97	-3.56	-0.600	19W
8.040	2.037	1.421	25.33	2.643	1.845	32.87	-0.022655	-8.8784	-70.5344	6.00	-7.54	-1.257	8W

DATE 740831 SYMAP STATION 46 CRUISE STATION 52 LATITUDE 40 22.00N LONGITUDE 73 44.00W
EMPERATURE INSITU16.00 BATH17.00 SALINITY 31.114 BOTTOM DO 3.95PPM 2.76ML/L 100% SATURATION 8.24PPM 5.77ML/L % SATUR 47.93

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
8.076	3.350	2.338	41.48	1.516	1.058	18.77	0.067852	26.5905	247.6145	5.17	22.71	4.393		24S
8.076	3.975	2.775	49.22	1.708	1.192	21.14	0.091268	35.7671	304.4045	5.20	28.08	5.400		13S
8.076	4.641	3.239	57.46	2.172	1.516	26.89	0.093578	38.6316	330.7554	5.21	30.57	5.868		14S
8.076	3.657	2.552	45.28	1.573	1.098	19.48	0.077008	30.1785	276.0090	5.27	25.80	4.896		9S
8.076	5.030	3.511	62.29	3.243	2.264	40.16	0.074140	29.0546	236.6965	5.27	22.13	4.199	PR 16(39)	16W
8.076	3.386	2.364	41.93	3.483	2.431	43.12	-0.003899	-1.5282	-12.7479	5.27	-1.19	-0.226		3W

DATE 740831 SYMAP STATION 55 CRUISE STATION 53 LATITUDE 40 19.00N LONGITUDE 73 48.00W
EMPERATURE INSITU15.08 BATH14.50 SALINITY 32.206 BOTTOM DO 2.15PPM 1.50ML/L 100% SATURATION 8.34PPM 5.84ML/L % SATUR 25.77

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
8.444	2.648	1.846	31.36	2.339	1.633	27.70	0.034354	13.4631	86.9982	2.48	3.66	1.476		1S
8.444	2.605	1.819	30.86	2.654	1.852	31.43	-0.004151	-1.6266	-11.1379	2.99	-0.57	-0.189		2S
8.444	2.998	2.092	35.50	2.478	1.730	29.35	0.044256	17.3433	117.0552	3.10	6.16	1.986		11S
8.444	2.535	1.770	30.03	2.399	1.674	28.41	0.011821	4.6326	30.0789	3.17	1.62	0.510		5S
8.444	3.050	2.129	36.12	2.869	2.003	33.98	0.013877	5.4381	39.1969	3.22	2.14	0.665		6S

DATE 740901 SYMAP STATION 56 CRUISE STATION 54 LATITUDE 40 19.00N LONGITUDE 73 50.00W
EMPERATURE INSITU11.82 BATH13.00 SALINITY 32.689 BOTTOM DO 2.20PPM 1.54ML/L 100% SATURATION 8.91PPM 6.24ML/L % SATUR 24.70

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
8.687	3.661	2.555	42.14	3.965	2.768	45.64	-0.015508	-6.0774	-48.8956	4.34	-3.50	-0.806		8S
8.687	3.140	2.192	36.15	3.511	2.451	40.41	-0.022155	-8.6824	-58.9312	4.39	-4.27	-0.972		10S
8.687	3.403	2.373	39.14	4.741	3.309	54.58	-0.070139	-27.4868	-211.7366	4.42	*****	-3.492		18S
8.687	3.040	2.541	41.90	3.272	2.284	37.66	0.018796	7.3661	57.7955	4.45	4.24	0.953		20S
8.687	3.298	2.274	37.51	4.041	2.821	46.52	-0.039118	-15.3300	-122.2502	4.47	-9.01	-2.016		7S
8.687	3.454	2.413	39.87	2.833	1.978	32.62	0.020228	7.9273	98.8633	4.45	7.26	1.630		21S
8.687	2.865	1.999	32.96	5.946	4.151	68.45	-0.237636	-93.1272	-465.7825	4.62	*****	-7.682		17W
8.687	3.403	2.375	39.17	3.505	2.446	40.34	-0.007237	-2.8362	-15.5263	4.57	-1.17	-0.256		4W

DATE 740901 SYMAP STATION 57 CRUISE STATION 55 LATITUDE 40 19.00N LONGITUDE 73 52.00W
EMPERATURE INSITU12.90 BATH13.00 SALINITY 32.520 BOTTOM DO 2.90PPM 2.02ML/L 100% SATURATION 8.71PPM 6.10ML/L % SATUR 33.28

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
8.696	6.055	4.227	69.64	6.188	4.319	71.16	-0.005972	-2.3403	-22.3761	4.12	-1.52	-0.369		9S
8.696	6.012	4.197	69.14	4.409	3.078	50.70	0.067303	26.3754	268.3254	4.17	18.43	4.421		14S
8.696	2.744	1.916	31.56	2.830	1.975	32.54	-0.004576	-1.7932	-13.4970	4.41	-0.98	-0.222		3S
8.696	6.798	4.745	78.18	3.120	2.177	35.87	0.163036	63.8922	574.4434	4.47	42.30	9.464		13S

DATE 740901 SYMAP STATION 66 CRUISE STATION [illegible] LATITUDE [illegible] 16[illegible] LONGITU[illegible] 3 4[illegible]
PERATURE I[illegible]12.49 BATH 0.0 SALINITY 32.553 BOTTOM DO 4.10PP[illegible]86ML/L 100% SATURATION 6.79PPM 6.15ML/L % SATUR [illegible]

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.725	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 05

DATE 740901 SYMAP STATION 67 CRUISE STATION 57 LATITUDE 40 16.00N LONGITUDE 73 46.00W
PERATURE INSITU12.44 BATH15.00 SALINITY 31.986 BOTTOM DO 3.10PPM 2.16ML/L 100% SATURATION 8.83PPM 6.18ML/L % SATUR 35.11

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.363	9.476	6.614	113.24	2.427	1.694	29.01	0.299763	117.4741	806.5674	6.10	84.23	13.809	1S
.368	5.508	3.844	65.82	2.578	1.800	30.81	0.110405	43.2666	327.6765	6.24	35.01	5.610	19S
.368	5.666	3.955	67.71	2.889	2.017	34.53	0.122754	48.1060	310.6226	6.24	33.18	5.318	12S
.368	5.455	3.808	65.19	3.715	2.593	44.40	0.073479	28.7955	193.3730	6.28	20.79	3.311	15S

DATE 740901 SYMAP STATION 68 CRUISE STATION 58 LATITUDE 40 16.00N LONGITUDE 73 44.00W
MPERATURE INSITU10.21 BATH10.00 SALINITY 32.729 BOTTOM DO 4.70PPM 3.28ML/L 100% SATURATION 9.22PPM 6.46ML/L % SATUR 50.97

O%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.264	5.834	4.107	63.52	3.964	2.767	42.79	0.087930	34.4588	249.5732	5.37	20.73	3.860	47S
9.264	6.612	4.755	73.53	3.014	2.104	32.54	0.155221	60.8296	489.9272	5.41	40.99	7.577	31S
9.264	4.033	2.815	43.53	3.303	2.305	35.65	0.031579	12.3757	94.0184	5.42	7.68	1.454	46S
9.264	6.285	4.387	67.84	3.199	2.233	34.53	0.149721	58.6742	420.7380	5.12	33.32	6.507	48S
9.264	7.578	5.269	81.80	3.691	2.576	39.84	0.192423	75.4088	496.0027	5.47	41.96	7.671	29M
9.264	4.064	2.837	43.88	3.768	2.630	40.68	0.013521	5.2987	37.9561	5.45	3.20	0.587	27M

DATE 740901 SYMAP STATION 70 CRUISE STATION 60 LATITUDE 40 16.00N LONGITUDE 73 40.00W
MPERATURE INSITU14.30 BATH15.00 SALINITY 32.369 BOTTOM DO 5.30PPM 3.70ML/L 100% SATURATION 8.47PPM 5.93ML/L % SATUR 62.57

O%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.349	5.141	3.566	61.58	4.526	3.159	54.21	0.027708	10.8586	69.8143	6.15	7.37	1.198	21S
8.349	4.971	3.470	59.55	4.187	2.923	50.16	0.037342	14.6338	88.7010	6.17	9.39	1.522	7S
8.349	4.539	3.168	54.37	4.087	2.853	48.95	0.017230	6.7522	50.9644	6.19	5.41	0.875	10S
8.349	4.621	3.225	55.35	4.405	3.075	52.77	0.013614	5.3353	24.2702	6.20	2.58	0.416	24S

DATE 740901 SYMAP STATION 74 CRUISE STATION 62 LATITUDE 40 13.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU11.52 BATH11.00 SALINITY 32.678 BOTTOM DO 4.40PPM 3.07ML/L 100% SATURATION 8.95PPM 6.27ML/L % SATUR 49.14

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.056	4.573	3.052	46.26	3.377	2.357	37.29	0.030175	11.8252	124.7795	5.57	11.00	1.974		27S
9.056	4.060	2.834	44.83	3.422	2.389	37.79	0.023295	9.1289	79.4433	5.60	7.04	1.257		26S
9.056	4.424	3.088	46.65	3.685	2.572	40.70	0.028267	11.0776	89.9766	5.73	8.16	1.423		44S
9.056	4.462	3.114	49.27	3.763	2.626	41.55	0.024156	9.4667	84.5534	5.77	7.72	1.338	NO STIR	26S

DATE 740901 SYMAP STATION 76 CRUISE STATION 64 LATITUDE 40 13.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU11.72 BATH11.00 SALINITY 32.642 BOTTOM DO 4.10PPM 2.86ML/L 100% SATURATION 8.93PPM 6.25ML/L % SATUR 45.92

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.069	4.677	3.404	53.78	4.377	3.055	48.26	0.013126	5.1438	53.8344	6.48	5.51	0.850		32S
9.069	5.080	3.546	56.01	2.907	2.029	32.06	0.062792	24.6076	225.3422	6.73	23.96	3.560		35S
9.069	5.918	4.131	65.25	4.088	2.854	45.08	0.056004	21.9474	187.7714	6.80	20.17	2.966		34S
9.069	3.650	2.687	42.45	3.235	2.258	35.67	0.015601	6.1138	62.1982	6.90	6.78	0.983		33S
9.069	4.076	2.845	44.94	3.894	2.718	42.94	0.005770	2.2611	18.2072	6.98	2.01	0.288		36W
9.069	4.097	2.860	45.17	4.215	2.942	46.47	-0.003508	-1.3746	-11.6448	7.07	-1.30	-0.184		46W

DATE 740901 SYMAP STATION 78 CRUISE STATION 66 LATITUDE 40 13.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU12.00 BATH11.00 SALINITY 31.266 BOTTOM DO 7.50PPM 5.23ML/L 100% SATURATION 8.80PPM 6.16ML/L % SATUR 85.22

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.148	4.445	3.103	48.59	2.071	1.446	22.64	0.096009	37.6249	261.3762	6.34	25.95	4.093	ICORTEMP2243S
9.148	3.413	2.383	37.31	3.297	2.301	36.04	0.004449	1.7436	13.0496	6.23	1.27	0.204	ICORTEMP2244S
9.148	4.480	3.127	48.98	4.986	3.480	54.50	-0.018850	-7.3872	-57.8186	6.10	-5.52	-0.906	ICORTEMP2231S
9.148	3.673	2.703	42.34	3.955	2.760	43.23	-0.003917	-1.5349	-9.5154	6.00	-0.89	-0.149	ICORTEMP2225S

DATE 740901 SYMAP STATION 80 CRUISE STATION 68 LATITUDE 40 13.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU14.69 BATH15.00 SALINITY 32.214 BOTTOM DO 2.60PPM 1.81ML/L 100% SATURATION 8.38PPM 5.87ML/L % SATUR 31.04

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
8.356	2.534	1.804	30.92	3.460	2.415	41.41	-0.025602	-10.0352	-78.3060	7.61	*****	-1.343		7W
8.356	3.282	2.271	39.28	2.622	1.830	31.38	0.016496	6.4645	59.3320	7.77	7.90	1.017		24S
8.356	3.141	2.192	37.59	3.812	2.661	45.62	-0.018064	-7.0792	-59.0188	7.94	-8.03	-1.012	SANDOLLAR	23A
8.356	2.945	2.056	35.24	1.585	1.106	18.97	0.037268	14.6049	117.9423	8.05	16.28	2.022		22S
8.356	2.377	1.659	28.45	2.493	1.740	29.83	-0.002775	-1.0874	-9.9158	8.15	-1.39	-0.170	16(39)STIR	16S
8.356	2.547	1.778	30.49	4.363	3.046	52.21	-0.045391	-17.7883	-151.9649	8.34	*****	-2.605		4S
8.356	5.067	3.537	60.63	3.467	2.420	41.48	0.016024	6.2796	132.1799	8.45	19.15	2.266		8S
8.356	2.828	1.974	33.84	4.242	2.961	50.76	-0.033992	-13.3213	-114.7670	8.60	*****	-1.968		1W

DATE 740902 SYMAP STATION 64 CRUISE STATION [illegible] LATITUDE 40 16.00N LONGITUDE 73 52.00W
EMPERATURE [illegible]16.60 BATH15.00 SALINITY 31.956 BOTTOM DO 3.30[illegible] 2.30ML/L 100% SATURATION 7.75PPM 5.43ML/L % SATUR [illegible]7

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.370	4.561	3.184	54.50	2.590	1.808	30.94	0.046493	18.2200	185.2273	7.43	23.56	3.171	13S
8.370	7.288	5.087	87.07	2.513	1.754	30.03	0.065772	25.7753	442.5803	7.53	57.05	7.576	9S
8.370	4.624	3.228	55.25	2.233	1.558	26.68	0.063195	24.7654	219.9449	7.59	28.58	3.765	19S
8.370	8.524	5.950	101.84	2.897	2.022	34.61	0.114974	45.0572	520.1912	7.55	67.23	8.904	15S

DATE 740902 SYMAP STATION 92 CRUISE STATION 73 LATITUDE 40 10.00N LONGITUDE 73 44.00W
EMPERATURE INSITU18.04 BATH15.00 SALINITY 32.522 BOTTOM DO 4.20PPM 2.93ML/L 100% SATURATION 7.84PPM 5.49ML/L % SATUR 53.55

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.341	4.406	3.075	52.82	3.526	2.461	42.27	0.026948	11.3446	106.8118	5.75	10.55	1.835	4S
8.341	4.153	2.899	49.79	2.685	1.874	32.19	0.048695	19.0831	178.2226	5.75	17.60	3.061	8S
8.341	5.996	4.165	71.89	3.108	2.170	37.27	0.089731	35.1647	349.3472	5.77	34.62	6.001	PR 16(39) 16S
8.341	5.330	3.720	63.90	2.834	1.978	33.98	0.080793	31.6618	297.7754	5.85	29.92	5.115	9S

DATE 740902 SYMAP STATION 65 CRUISE STATION 74 LATITUDE 40 16.00N LONGITUDE 73 50.00W
EMPERATURE INSITU14.71 BATH 0.0 SALINITY 32.259 BOTTOM DO 3.30PPM 2.30ML/L 100% SATURATION 8.40PPM 5.89ML/L % SATUR 39.27

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
11.749	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

DATE 740902 SYMAP STATION 58 CRUISE STATION 75 LATITUDE 40 19.00N LONGITUDE 73 54.00W
EMPERATURE INSITU15.42 BATH15.00 SALINITY 32.125 BOTTOM DO 2.55PPM 1.78ML/L 100% SATURATION 8.29PPM 5.80ML/L % SATUR 30.76

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.361	2.616	1.826	31.29	3.327	2.322	39.80	-0.029580	-11.5921	-70.5993	7.03	-8.50	-1.210	14S
8.361	2.254	1.573	26.95	2.583	1.803	30.90	-0.013279	-5.2038	-32.2830	7.13	-3.94	-0.553	10S
8.361	3.575	2.496	42.76	3.043	2.124	36.40	0.021828	8.5542	52.1091	7.13	6.37	0.893	19S
8.361	3.993	2.787	47.75	2.319	1.618	27.73	0.039062	15.3079	163.4223	7.15	20.02	2.800	3S
8.361	2.334	1.629	27.91	3.041	2.122	36.37	-0.019742	-7.7367	-68.3461	7.22	-8.46	-1.171	0W
8.361	2.335	1.630	27.93	2.747	1.917	32.85	-0.012216	-4.7873	-39.6330	7.25	-4.92	-0.679	1W

BENTHIC RESPIRATION CR D7409

DATE 740902 SYMAP STATION 94 CRUISE STATION 76 LATITUDE 40 10.00N LONGITUDE 73 40.00W
EMPERATURE INSITU16.04 BATH11.20 SALINITY 32.732 BOTTOM DO 4.90PPM 3.42ML/L 100% SATURATION 9.26PPM 6.48ML/L % SATUR 52.94

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.025	4.848	3.384	53.72	4.877	3.404	54.04	-0.000563	-0.2208	-3.0681	6.55	-0.32	-0.049	27S
9.025	4.035	2.816	44.71	5.922	4.133	65.61	-0.048206	-18.8915	-198.6287	6.63	*****	-3.153	28S
9.025	4.720	3.295	52.30	6.527	4.556	72.32	-0.042749	-16.7529	-185.1519	6.81	*****	-2.939	35S
9.025	5.355	3.736	59.33	3.696	2.580	40.96	0.052084	20.4110	165.3718	7.00	18.38	2.625	26S
9.025	5.471	3.819	60.62	4.062	2.835	45.01	0.043195	16.9278	138.4763	7.10	15.61	2.198	40S
9.025	4.544	3.171	50.34	5.867	4.095	65.01	-0.058346	-22.8652	-127.9451	7.22	*****	-2.031	25A
9.025	4.338	3.028	48.07	5.159	3.601	57.17	-0.025550	-10.0127	-76.4372	7.50	-9.10	-1.213	34W

DATE 740902 SYMAP STATION 95 CRUISE STATION 77 LATITUDE 40 10.00N LONGITUDE 73 38.00W
EMPERATURE INSITU11.30 BATH11.20 SALINITY ****** BOTTOM DO 5.30PPM 3.70ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
11.083	5.163	3.604	46.59	5.668	3.956	51.14	-0.012033	-4.7157	-47.5018	7.42	-4.56	-0.614	SAL MISS 46S
11.083	5.140	3.587	46.37	5.516	3.850	49.77	-0.009028	-3.5379	-35.1512	7.47	-3.39	-0.454	SAL MISS 47S
11.083	4.393	3.066	39.64	4.612	3.219	41.62	-0.005452	-2.1365	-20.3685	7.52	-1.98	-0.263	SAL MISS 32S
11.083	7.091	4.950	63.98	4.501	3.142	40.61	0.064110	25.1240	241.0618	7.50	23.37	3.116	SAL MISS 43S

DATE 740903 SYMAP STATION 90 CRUISE STATION 79 LATITUDE 40 10.00N LONGITUDE 73 48.00W
EMPERATURE INSITU20.50 BATH20.00 SALINITY 32.028 BOTTOM DO 3.60PPM 2.51ML/L 100% SATURATION 7.50PPM 5.25ML/L % SATUR 48.02

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.569	5.159	3.601	68.15	2.968	2.071	39.20	0.009173	3.5947	246.6635	6.20	26.95	4.669	39NOFINVCL16S
7.569	4.249	2.966	56.14	3.724	2.599	49.19	0.021794	8.5409	59.2525	6.19	6.94	1.121	9S
7.569	5.229	3.650	69.09	2.644	1.845	34.93	0.099821	39.1190	292.5107	6.17	34.16	5.536	20S
7.569	3.458	2.413	45.68	3.070	2.143	40.55	0.016112	6.3141	44.0173	6.15	5.12	0.833	8S

DATE 740903 SYMAP STATION 88 CRUISE STATION 81 LATITUDE 40 10.00N LONGITUDE 73 52.00W
EMPERATURE INSITU17.20 BATH15.50 SALINITY 31.939 BOTTOM DO 2.10PPM 1.47ML/L 100% SATURATION 8.00PPM 5.61ML/L % SATUR 26.24

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.285	4.317	3.013	52.10	4.441	3.100	53.60	-0.005725	-2.2434	-13.7408	6.31	-1.50	-0.238	19S
8.285	5.636	3.915	67.67	5.259	3.671	63.48	0.012914	5.0608	36.4567	6.65	4.19	0.630	10S
8.285	2.555	1.783	30.83	2.271	1.585	27.41	0.008820	3.4566	29.7998	6.65	3.43	0.515	22S
8.285	4.174	2.913	50.38	3.950	2.757	47.67	0.009822	3.8490	23.6268	6.63	2.71	0.409	23S

DATE 740904 SYMAP STATION 47 CRUISE STATION [illegible] LATITUDE 40 22.00N LONGITUDE 73 [illegible]0W

TEMPERATURE INSITU15.70 BATH15.50 SALINITY 32.014 BOTTOM DO 5.30PPM 3.70ML/L 100% SATURATION 8.08PPM 5.66ML/L % SATUR [illegible]8

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.281	5.895	4.115	71.19	4.338	3.028	52.38	0.032707	12.8177	119.8842	9.07	18.81	2.074	20S
8.281	4.938	3.445	59.63	4.857	3.390	58.65	0.001599	0.6265	6.1906	9.13	0.98	0.107	PR 16(39) 16S
8.281	7.320	5.109	88.39	4.148	2.895	50.09	0.066177	25.9342	242.2086	9.14	38.30	4.190	22S
8.281	7.591	5.299	91.67	4.825	3.368	58.27	0.065689	25.7428	210.5386	9.17	33.40	3.642	10S
8.281	5.473	3.820	66.09	5.288	3.691	63.85	0.004851	1.9011	12.6910	10.17	2.23	0.220	23m
8.281	6.146	4.290	74.21	4.766	3.326	57.55	0.033998	13.3235	94.2574	10.22	16.07	1.631	19m

DATE 740904 SYMAP STATION 48 CRUISE STATION 84 LATITUDE 40 22.00N LONGITUDE 73 40.00W

TEMPERATURE INSITU17.10 BATH15.50 SALINITY 32.002 BOTTOM DO 5.55PPM 3.87ML/L 100% SATURATION 8.02PPM 5.61ML/L % SATUR 69.23

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.282	5.035	3.514	60.79	4.130	2.883	49.87	0.032687	12.8098	119.3770	5.29	10.92	2.065	RAYDIST3AD 9S
8.282	5.987	4.179	72.30	4.372	3.051	52.79	0.068751	26.9428	218.9881	5.15	19.51	3.788	RAYDIST3AD 1S
8.282	5.469	3.817	66.03	3.906	2.726	47.16	0.053127	20.8201	199.8127	5.46	18.07	3.457	RAYDIST3AD 6S
8.282	4.733	3.303	57.15	2.097	1.464	25.32	0.090680	35.5365	334.5198	5.50	31.03	5.767	RAYDIST3AD14S

DATE 740905 SYMAP STATION 48 CRUISE STATION A84 LATITUDE 40 22.00N LONGITUDE 73 40.00W

TEMPERATURE INSITU18.00 BATH15.00 SALINITY 31.984 BOTTOM DO 4.10PPM 2.86ML/L 100% SATURATION 7.87PPM 5.51ML/L % SATUR 52.06

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.368	4.566	3.187	54.56	3.135	2.188	37.47	0.047763	18.7178	157.7244	6.33	17.09	2.700	2S
8.368	4.983	3.478	59.55	3.090	2.157	36.93	0.066023	25.8738	203.5737	6.49	22.62	3.485	7S
8.368	5.282	3.687	63.12	3.601	2.513	43.03	0.050437	19.7658	172.5959	6.60	20.09	2.955	18S

DATE 740904 SYMAP STATION 50 CRUISE STATION 86 LATITUDE 40 22.00N LONGITUDE 73 38.00W

TEMPERATURE INSITU17.19 BATH18.00 SALINITY 31.903 BOTTOM DO 5.10PPM 3.56ML/L 100% SATURATION 8.01PPM 5.61ML/L % SATUR 63.69

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.879	6.035	4.212	76.60	4.691	3.275	59.55	0.051484	20.1761	144.2835	6.50	17.05	2.624	MAGOFF2HRS18S
7.879	5.580	3.895	70.82	4.834	3.374	61.35	0.029596	11.5984	81.9991	6.35	9.47	1.491	MAGOFF2HRS21S
7.879	5.393	3.764	68.44	1.737	1.248	22.69	0.143715	56.3206	383.5959	6.56	45.76	6.975	MAGOFF2HRS17S
7.879	5.463	3.813	69.33	4.782	3.338	60.69	0.026491	10.3814	72.3465	6.57	8.64	1.316	MAGOFF2HRS 4S
7.879	4.578	3.195	58.11	6.507	4.542	82.59	-0.081966	-32.1216	-201.8750	6.67	*****	-3.671	MAGOFF2HRS13m
7.879	4.563	3.185	57.91	5.392	3.764	68.44	-0.036548	-14.3229	-87.6058	6.61	*****	-1.593	MAGOFF2HRS12m

BENTHIC RESPIRATION C D7409

DATE 740905 SYMAP STATION 52 CRUISE STATION 88 LATITUDE 40 19.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU17.00 BATH15.50 SALINITY 31.991 BOTTOM DO 4.45PPM 3.11ML/L 100% SATURATION 8.03PPM 5.63ML/L % SATUR 55.39

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.282	5.982	4.176	72.23	4.054	2.829	48.94	0.059129	23.1720	223.2742	6.03	23.29	3.862	22S
8.282	4.427	3.090	53.45	4.350	3.036	52.53	0.002625	1.0289	8.7228	6.11	0.92	0.151	10S
8.282	5.091	4.251	73.54	4.602	3.212	55.56	0.045404	17.7933	170.6670	6.09	17.98	2.952	PR 16(39) 16S
8.282	5.066	3.550	61.40	4.474	3.123	54.02	0.021848	8.5621	70.1143	6.09	7.39	1.213	19S

DATE 740905 SYMAP STATION 53 CRUISE STATION 89 LATITUDE 40 19.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU15.70 BATH15.50 SALINITY 32.096 BOTTOM DO 4.65PPM 3.25ML/L 100% SATURATION 8.24PPM 5.77ML/L % SATUR 56.41

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.277	5.216	3.641	63.02	4.766	3.327	57.58	0.016392	6.4238	55.0382	5.71	5.44	0.953	14W
8.277	5.416	3.781	65.44	5.041	3.519	60.91	0.013713	5.3741	45.8293	5.71	4.53	0.793	2W
8.277	5.955	4.156	71.96	4.250	2.966	51.35	0.066841	26.9782	210.0777	5.67	20.62	3.636	3S
8.277	5.186	3.620	62.66	3.986	2.782	48.16	0.044899	17.5954	146.7176	5.71	14.50	2.540	24S
8.277	5.995	4.185	72.43	4.068	2.840	49.15	0.074486	29.1905	235.5742	5.71	23.28	4.078	7S
8.277	5.581	3.896	67.43	4.317	3.013	52.15	0.044504	17.4407	154.5868	5.71	15.28	2.676	6S

DATE 740905 SYMAP STATION 54 CRUISE STATION 90 LATITUDE 40 19.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU15.41 BATH15.50 SALINITY 32.126 BOTTOM DO 4.00PPM 2.79ML/L 100% SATURATION 8.29PPM 5.81ML/L % SATUR 48.25

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.275	5.627	4.067	70.42	4.687	3.271	56.63	0.043701	17.1259	118.1266	6.74	13.78	2.045	5S

DATE 740905 SYMAP STATION 72 CRUISE STATION 91 LATITUDE 40 16.00N LONGITUDE 73 38.00W
TEMPERATURE INSITU16.31 BATH16.00 SALINITY 32.028 BOTTOM DO 4.80PPM 3.35ML/L 100% SATURATION 8.14PPM 5.70ML/L % SATUR 58.93

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.195	6.066	4.234	74.01	4.894	3.416	59.71	0.045720	17.9171	124.9043	6.55	14.30	2.183	23S
8.195	4.527	3.160	55.23	4.454	3.109	54.35	0.002534	0.9930	7.3055	6.92	0.88	0.128	15S
8.195	4.616	3.362	58.76	4.584	3.200	55.93	0.007615	2.9843	23.3813	6.92	2.83	0.409	8S
8.196	5.471	3.819	66.75	6.838	4.773	83.43	-0.050200	-19.6730	-137.3059	6.95	*****	-2.400	9S
8.196	4.622	3.366	58.83	5.694	3.975	69.47	-0.030410	-11.9172	-87.5874	6.95	*****	-1.531	1W
8.196	4.483	3.133	54.76	5.126	3.578	62.54	-0.021299	-8.3468	-63.5818	7.00	-7.78	-1.111	11W

DATE 740905 SYMAP STATION 96 CRUISE STATION [illegible] LATITUDE 40 10.00N LONGITUDE 73 3[illegible]W
IPERATURE [illegible]TU12.20 BATH12.00 SALINITY 32.528 BOTTOM DO 4.00[illegible] 2.79ML/L 100% SATURATION 8.84PPM 6.19ML/L % SATUR [illegible]

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.882	7.308	5.101	82.28	2.595	1.811	29.21	0.067655	26.5132	361.9187	9.09	53.06	5.838	AMPHIP SED46S
.882	5.818	4.061	65.50	3.016	2.105	33.96	0.066804	26.1799	216.8441	9.02	31.55	3.498	AMPHIP SED35S
.882	4.862	3.394	54.74	2.685	1.874	30.23	0.045204	17.7148	166.8006	9.11	24.51	2.690	AMPHIP SED34S
.882	5.947	4.151	66.95	2.266	1.581	25.51	0.071861	28.1617	280.8328	9.15	41.45	4.530	AMPHIP SED47S
.882	4.306	3.006	48.48	4.308	3.007	48.50	-0.000058	-0.0227	-0.1694	9.39	-0.03	-0.003	31m
.882	4.624	3.227	52.06	3.705	2.586	41.72	0.024042	9.4218	68.4913	9.36	10.34	1.105	48m

DATE 740905 SYMAP STATION 98 CRUISE STATION 94 LATITUDE 40 13.00N LONGITUDE 73 36.00W
PERATURE INSITU14.42 BATH15.00 SALINITY 32.237 BOTTOM DO 5.35PPM 3.73ML/L 100% SATURATION 8.46PPM 5.92ML/L % SATUR 63.27

%SATU H PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
.355	4.624	3.228	55.35	3.747	2.615	44.85	0.024084	9.4383	101.2153	6.05	10.50	1.736	6S
.355	4.878	3.405	58.38	3.728	2.602	44.62	0.040401	15.8329	134.2136	5.98	13.76	2.301	10S
.355	4.761	3.323	56.98	3.799	2.652	45.47	0.036463	14.2896	111.8736	6.00	11.51	1.918	13S
.355	5.997	4.186	71.77	3.736	2.607	44.71	0.081530	31.9509	262.1521	6.02	27.06	4.495	21S

DATE 741205 SYMAP STATION 40 CRUISE STATION 1 LATITUDE 40 22.00N LONGITUDE 73 56.00W
EMPERATURE INSITU 7.95 BATH 8.00 SALINITY 31.685 BOTTOM DO 9.10PPM 6.35ML/L 100% SATURATION 9.76PPM 6.84ML/L % SATUR 93.23

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.750	8.365	5.840	85.80	7.518	5.247	77.10	0.017013	6.6672	52.1833	11.35	8.70	0.767	16S
9.750	8.837	6.166	90.63	8.428	5.883	86.44	0.007203	2.8228	24.8157	11.50	4.19	0.365	23S
9.750	9.123	6.368	93.56	8.129	5.674	83.37	0.016478	6.4577	59.6344	11.63	10.19	0.876	1S
9.750	9.160	6.394	93.94	7.856	5.483	80.57	0.018183	7.1257	78.0752	11.66	13.38	1.147	17S
9.750	8.830	6.164	90.57	8.821	6.157	90.47	0.000160	0.0629	0.5390	11.70	0.09	0.008	2W
9.750	8.903	6.215	91.31	8.793	6.138	90.18	0.001941	0.7606	6.5435	11.75	1.13	0.096	8W

DATE 741205 SYMAP STATION 42 CRUISE STATION 2 LATITUDE 40 22.00N LONGITUDE 73 52.00W
EMPERATURE INSITU 8.92 BATH 8.00 SALINITY 32.256 BOTTOM DO 8.80PPM 6.14ML/L 100% SATURATION 9.52PPM 6.66ML/L % SATUR 92.47

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.714	9.308	6.497	95.81	8.364	5.838	86.10	0.015857	6.2142	60.8257	10.83	9.72	0.897	7S
9.714	8.916	6.223	91.78	7.399	5.164	76.17	0.024461	9.5860	97.3906	10.87	15.61	1.436	5S
9.714	8.515	5.944	87.67	6.647	4.640	68.43	0.035165	13.7887	119.6677	10.90	19.24	1.765	24S
9.714	8.891	6.206	91.53	8.600	6.142	90.59	0.001471	0.5763	5.8162	10.95	0.94	0.086	10W
9.714	9.001	6.283	92.65	7.987	5.575	82.22	0.018079	7.0851	64.3427	11.00	10.44	0.949	POLINICES 11A

DATE 741205 SYMAP STATION 43 CRUISE STATION 3 LATITUDE 40 22.00N LONGITUDE 73 50.00W
EMPERATURE INSITU10.06 BATH12.80 SALINITY 32.968 BOTTOM DO 8.65PPM 6.04ML/L 100% SATURATION 9.23PPM 6.47ML/L % SATUR 93.68

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.709	8.704	6.076	99.95	5.599	3.908	64.29	0.053509	20.9698	178.8256	12.12	35.65	2.942	TEMP PROB 13S
8.709	8.943	6.242	102.69	5.303	3.702	60.90	0.063985	25.0752	209.0766	12.15	41.79	3.439	TEMP PROB 12S
8.709	8.567	5.980	98.37	7.297	5.093	83.79	0.018586	7.2835	72.5368	12.22	14.58	1.193	TEMP PROB 3S
8.709	8.947	6.245	102.74	3.789	2.644	43.50	0.073836	28.9357	293.9448	12.25	59.24	4.836	TEMP PROB 15S
8.709	8.456	5.902	97.09	6.988	4.877	80.24	0.025530	10.0051	83.1752	12.32	16.86	1.368	TEMP PROB 4S
8.709	8.806	6.148	101.14	8.255	5.762	94.78	0.009701	3.8019	31.2129	12.38	6.36	0.513	TEMP PROB 14W
8.709	8.712	6.081	100.04	8.493	5.928	97.53	0.003372	1.3216	12.3075	12.40	2.51	0.202	TEMP PROB 18W

DATE 741205 SYMAP STATION 44 CRUISE STATION 4 LATITUDE 40 22.00N LONGITUDE 73 48.00W
EMPERATURE INSITU10.20 BATH12.80 SALINITY 33.159 BOTTOM DO 8.61PPM 6.01ML/L 100% SATURATION 9.20PPM 6.44ML/L % SATUR 93.61

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.699	8.390	5.856	96.46	7.469	5.213	85.86	0.011491	4.5033	51.4714	12.50	10.60	0.848	TEMP PROB 9S
8.699	8.711	6.080	100.14	7.489	5.227	86.09	0.027676	10.8458	67.6134	12.62	14.05	1.114	TEMP PROB 19S
8.699	8.545	5.964	98.24	7.507	5.240	86.30	0.027955	10.9552	56.5800	12.81	11.94	0.932	TEMP PROB 20S
8.699	8.220	5.738	94.50	6.760	4.718	77.71	0.026157	10.2507	79.2583	12.86	16.79	1.305	TEMP PROB 21S
8.699	8.833	6.166	101.55	8.408	5.869	96.66	0.009468	3.7105	22.9875	12.92	4.89	0.379	TEMP PROB 22W
8.699	8.480	5.919	97.49	8.187	5.715	94.12	0.009885	3.8738	15.7864	12.95	3.37	0.260	TEMP PROB 6W

EMPERATURE [illegible]10.02 BATH10.00 SALINITY 33.098 BOTTOM DO 8.75[illegible].11ML/L 100% SATURATION 9.24PPM 6.47ML/L % SATUR [illegible]2

.00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.242	8.524	5.950	92.23	8.117	5.666	87.83	0.014422	5.6517	23.1928	12.23	4.40	0.360	26W
9.242	8.535	5.957	92.35	8.330	5.814	90.13	0.004374	1.7143	11.5818	12.35	2.22	0.180	32W
9.242	8.370	5.842	90.56	7.246	5.058	78.41	0.024037	9.4197	63.0878	12.43	12.16	0.978	25S
9.242	8.343	5.824	90.27	5.628	3.928	60.89	0.049390	19.3554	151.3985	12.52	29.38	2.347	28S
9.242	8.757	6.113	94.76	7.122	4.971	77.06	0.033038	12.9471	90.2574	12.65	17.70	1.399	27S
9.242	8.797	6.140	95.19	6.174	4.310	66.80	0.051748	20.2794	143.2555	12.78	28.38	2.221	31S

DATE 741205 SYMAP STATION 46 CRUISE STATION 6 LATITUDE 40 22.00N LONGITUDE 73 44.00W
EMPERATURE INSITU 9.45 BATH10.00 SALINITY 32.916 BOTTOM DO 8.73PPM 6.09ML/L 100% SATURATION 9.37PPM 6.56ML/L % SATUR 93.22

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.253	8.248	5.757	89.14	5.870	4.097	63.44	0.045228	17.7245	133.6811	12.40	25.70	2.073	29W
9.253	8.667	6.049	93.66	6.586	4.597	71.18	0.037129	14.5504	116.3826	12.48	22.49	1.802	33S
9.253	8.628	6.023	93.25	6.957	4.856	75.19	0.023810	9.3310	92.5780	12.60	18.06	1.433	39S

DATE 741205 SYMAP STATION 47 CRUISE STATION 7 LATITUDE 40 22.00N LONGITUDE 73 42.00W
EMPERATURE INSITU 9.61 BATH10.00 SALINITY 33.007 BOTTOM DO 8.69PPM 6.07ML/L 100% SATURATION 9.33PPM 6.53ML/L % SATUR 93.17

.00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.247	8.768	6.120	94.81	8.123	5.670	87.84	0.011603	4.5472	34.0047	13.23	6.97	0.527	40W
9.247	8.563	5.977	92.60	7.539	5.262	81.52	0.015068	5.9049	53.3715	13.40	11.08	0.827	37W
9.247	8.261	5.766	89.33	7.236	5.050	78.24	0.013499	5.2901	54.2973	13.18	11.09	0.841	34S
9.247	8.285	5.783	89.59	7.016	4.897	75.87	0.017802	6.9766	66.7032	13.28	13.72	1.033	41S
9.247	8.522	5.948	92.15	7.013	4.895	75.84	0.025689	10.1455	79.1868	13.30	16.32	1.227	36S

DATE 741207 SYMAP STATION 48 CRUISE STATION 8 LATITUDE 40 22.00N LONGITUDE 73 40.00W
EMPERATURE INSITU 8.21 BATH14.00 SALINITY 32.822 BOTTOM DO 8.51PPM 5.94ML/L 100% SATURATION 9.63PPM 6.75ML/L % SATUR 88.34

.00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.500	8.171	5.703	95.13	6.510	4.544	76.59	0.031919	12.5088	92.5092	12.53	19.54	1.559	TEMP PROB 1S
8.500	8.044	5.615	94.64	6.662	4.650	78.38	0.024090	9.4405	78.7538	12.25	16.26	1.327	16S
8.500	8.353	5.830	98.27	7.052	4.922	82.96	0.019615	7.6870	73.5156	12.35	15.30	1.239	8S

DATE 741207 SYMAP STATION 50 CRUISE STATION 9 LATITUDE 40 22.00N LONGITUDE 73 38.00W
TEMPERATURE INSITU 8.50 BATH 8.00 SALINITY 32.563 BOTTOM DO 9.12PPM 6.37ML/L 100% SATURATION 9.59PPM 6.71ML/L % SATUR 95.13

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.695	8.053	5.625	83.12	7.270	5.075	74.99	0.012415	4.8653	41.2615	13.33	8.13	0.610		10S
9.695	8.644	6.034	89.16	8.463	5.907	87.29	0.004113	1.6118	9.2833	13.62	1.87	0.137	TEMP PROB	11S
9.695	8.542	5.962	88.11	7.079	4.941	73.01	0.024947	9.7766	74.9323	13.63	15.09	1.107		5S
9.695	8.661	6.046	89.34	8.022	5.599	82.74	0.009770	3.8286	33.2464	13.43	6.60	0.491		7S

DATE 741207 SYMAP STATION 30 CRUISE STATION 10 LATITUDE 40 25.00N LONGITUDE 73 40.00W
TEMPERATURE INSITU 8.42 BATH10.00 SALINITY 32.720 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.59PPM 6.72ML/L % SATUR 89.64

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.264	8.072	5.635	87.14	5.331	3.721	57.55	0.049210	19.2849	149.0186	12.84	29.59	2.304		14S
9.264	8.397	5.861	90.64	5.699	3.978	61.52	0.048352	18.9487	144.8431	13.00	29.12	2.240		12S
9.264	7.757	5.414	83.73	5.901	4.119	63.69	0.028464	11.1548	99.5172	13.02	20.04	1.539		13S
9.264	8.302	5.795	89.61	6.692	4.811	74.39	0.021962	8.6069	75.2419	13.08	15.22	1.164		15S

DATE 741207 SYMAP STATION 32 CRUISE STATION 11 LATITUDE 40 25.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 9.85 BATH20.00 SALINITY 33.080 BOTTOM DO 8.62PPM 6.02ML/L 100% SATURATION 9.27PPM 6.49ML/L % SATUR 92.95

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
7.523	8.201	5.725	109.02	5.979	4.174	79.48	0.036994	14.4975	127.0287	12.21	29.54	2.419	TEMP PROB	6S
7.523	7.692	5.369	102.24	3.313	2.313	44.04	0.074854	29.3343	248.4707	12.30	58.20	4.732	TEMP PROB	20S
7.523	8.139	5.681	108.19	5.899	4.117	78.41	0.035511	13.9165	126.1005	12.40	29.78	2.401	TEMP PROB	21S
7.523	8.161	5.696	108.48	7.041	4.915	93.60	0.015368	6.0226	62.9424	12.42	14.89	1.199		9S
7.523	8.521	5.946	113.62	6.535	4.562	86.87	0.028263	11.0761	99.5110	12.53	23.75	1.895		31S
7.523	8.394	5.859	111.59	8.440	5.891	112.19	-0.000661	-0.2589	-2.5422	12.56	-0.61	-0.048		28W

DATE 741207 SYMAP STATION 33 CRUISE STATION 12 LATITUDE 40 25.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 9.80 BATH10.00 SALINITY 32.979 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.29PPM 6.51ML/L % SATUR 93.65

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.249	8.146	5.686	86.07	3.032	2.116	32.78	0.086205	33.7828	264.4131	13.50	55.29	4.096		42S
9.249	8.369	5.842	90.49	4.131	2.883	44.66	0.067985	26.6425	218.6770	13.53	45.83	3.387		39S
9.249	7.782	5.432	84.14	4.156	2.901	44.94	0.052864	20.7168	186.9139	13.54	39.20	2.895		48S
9.249	7.885	5.550	82.87	3.718	2.595	40.20	0.056971	22.3264	202.5803	13.60	42.68	3.138		32S
9.249	8.328	5.813	90.04	7.840	5.472	84.77	0.014741	5.7770	24.8928	13.69	5.28	0.386		27W

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.949	7.984	5.573	89.21	5.378	3.754	60.10	0.042748	16.7526	139.5537	13.03	29.11	2.234	43S
8.949	8.062	5.627	90.09	7.370	5.145	82.36	0.005828	2.2840	36.2775	13.30	7.72	0.581	46S
8.949	7.731	5.396	86.39	4.849	3.384	54.18	0.045331	17.7647	150.5817	13.36	32.21	2.411	35S
8.949	8.456	5.902	94.49	8.045	5.616	89.90	0.010519	4.1223	21.4259	13.38	4.59	0.343	47m

DATE 741207 SYMAP STATION 35 CRUISE STATION 14 LATITUDE 40 25.00N LONGITUDE 73 52.00W
EMPERATURE INSITU 9.98 BATH14.00 SALINITY 33.010 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.25PPM 6.48ML/L % SATUR 92.96

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.490	8.186	5.714	95.42	4.394	3.067	51.76	0.052654	20.6346	161.9934	16.34	44.67	2.734	TEMP PROB 2S
8.490	7.611	5.313	89.65	3.975	2.774	46.82	0.046016	18.0333	155.3413	16.34	42.83	2.621	TEMP PROB 17S
8.490	8.523	5.949	100.39	4.303	3.003	50.68	0.050967	19.9733	178.0864	16.54	49.71	3.005	TEMP PROB 24S
8.490	8.345	5.826	98.30	5.077	3.544	59.80	0.041356	16.2070	137.4448	16.60	38.50	2.319	TEMP PROB 8S
8.490	8.398	5.862	98.92	8.147	5.636	95.96	0.005091	1.9949	10.5625	16.60	2.96	0.178	TEMP PROB 23m
8.490	8.285	5.783	97.58	8.038	5.611	94.68	0.006323	2.4778	10.3343	16.65	2.90	0.174	TEMP PROB 16m

DATE 741207 SYMAP STATION 36 CRUISE STATION 15 LATITUDE 40 25.00N LONGITUDE 73 54.00W
EMPERATURE INSITU 9.94 BATH20.00 SALINITY 32.968 BOTTOM DO 8.50PPM 5.93ML/L 100% SATURATION 9.26PPM 6.49ML/L % SATUR 91.77

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
7.528	8.270	5.772	109.86	7.147	4.989	94.95	0.014543	5.6991	50.6423	15.47	14.91	0.964	TEMP PROB 3S
7.528	8.107	5.659	107.70	7.177	5.009	95.34	0.010048	3.9375	41.9834	15.47	12.36	0.799	TEMP PROB 18S
7.528	8.011	5.592	106.42	6.262	4.371	83.18	0.018658	7.3120	78.8420	15.49	23.24	1.501	TEMP. PROB 4S
7.528	8.315	5.804	110.46	5.059	3.531	67.20	0.093711	36.7243	146.6471	15.50	43.26	2.791	TEMP PROB 37m

DATE 741208 SYMAP STATION 37 CRUISE STATION 16 LATITUDE 40 25.00N LONGITUDE 73 56.00W
EMPERATURE INSITU 9.95 BATH10.00 SALINITY 32.917 BOTTOM DO 8.40PPM 5.86ML/L 100% SATURATION 9.26PPM 6.49ML/L % SATUR 90.69

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.253	8.525	5.950	92.13	2.361	1.648	25.52	0.068880	34.8312	321.0691	13.40	66.62	4.971	13S
9.253	6.928	4.836	74.88	3.792	2.647	40.98	0.046473	18.2123	160.8349	13.61	33.89	2.490	7S
9.253	7.595	5.301	82.08	4.880	3.406	52.74	0.051247	20.0830	137.7999	13.75	29.34	2.134	10S
9.253	7.329	5.116	79.21	5.029	3.510	54.35	0.035521	13.9205	116.0108	13.84	24.86	1.796	19S
9.253	8.143	5.684	88.01	6.830	4.767	73.81	0.022794	8.9329	65.8723	13.92	14.20	1.020	15m
9.253	8.056	5.623	87.07	7.570	5.284	81.81	0.008474	3.3208	24.3342	13.95	5.26	0.377	5m

BENTHIC RESPIRATION CR[illegible]D7416

DATE 741208 SYMAP STATION 38 CRUISE STATION 17 LATITUDE 40 25.00N LONGITUDE 73 57.00W
TEMPERATURE INSITU 9.79 BATH10.00 SALINITY 32.939 BOTTOM DO 8.75PPM 6.11ML/L 100% SATURATION 9.29PPM 6.51ML/L % SATUR 94.14

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.251	8.095	5.651	87.50	7.653	5.342	82.73	0.011451	4.4874	25.2254	12.23	4.78	0.391	21S
9.251	8.186	5.714	88.48	7.993	5.579	86.40	0.003165	1.2404	10.9203	12.28	2.08	0.169	1S
9.251	8.765	6.132	94.96	7.252	5.062	78.38	0.008962	3.5201	87.0162	12.30	16.57	1.348	12S
9.251	8.453	5.911	91.54	7.781	5.431	84.11	0.010957	4.2941	38.8526	12.34	7.42	0.602	22S
9.251	8.073	5.635	87.27	7.846	5.476	84.80	0.008770	3.4368	12.8583	12.37	2.46	0.199	6W

DATE 741208 SYMAP STATION 19 CRUISE STATION 18 LATITUDE 40 28.00N LONGITUDE 73 56.00W
TEMPERATURE INSITU 8.80 BATH11.50 SALINITY 31.987 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.56PPM 6.69ML/L % SATUR 91.02

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.009	8.095	5.651	89.87	6.696	4.813	76.54	0.015673	6.1422	52.0378	16.10	13.32	0.828	43S
9.009	7.548	5.269	83.79	6.597	4.605	73.23	0.014435	5.6568	41.0157	16.19	10.56	0.652	47S
9.009	8.010	5.591	88.91	6.572	4.537	72.96	0.016045	6.2878	61.4730	16.32	15.95	0.978	41S
9.009	8.108	5.660	90.01	6.637	4.633	73.68	0.019845	7.7772	62.7509	16.36	16.33	0.998	36S

DATE 741209 SYMAP STATION 62 CRUISE STATION 19 LATITUDE 40 16.00N LONGITUDE 73 56.00W
TEMPERATURE INSITU 9.96 BATH 9.50 SALINITY 33.078 BOTTOM DO 8.35PPM 5.83ML/L 100% SATURATION 9.25PPM 6.48ML/L % SATUR 90.30

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.345	7.834	5.468	83.83	5.470	3.818	58.53	0.044783	17.5499	136.6093	12.08	25.30	2.094	24S
9.345	8.613	6.015	92.21	7.605	5.308	81.37	0.017908	7.0180	57.9581	12.20	10.84	0.889	22S
9.345	8.347	5.825	89.32	7.781	5.431	83.27	0.010116	3.9642	32.0088	12.34	6.06	0.491	21S
9.345	7.900	5.514	84.53	7.298	5.094	78.09	0.008893	3.4852	33.9529	12.38	6.44	0.521	20S
9.345	7.920	5.528	84.75	7.590	5.298	81.21	0.007100	2.7826	18.4932	12.47	3.54	0.284	23W
9.345	8.212	5.732	87.87	7.684	5.364	82.22	0.012181	4.7736	29.4112	12.52	5.64	0.451	19W

DATE 741209 SYMAP STATION 83 CRUISE STATION 20 LATITUDE 40 13.00N LONGITUDE 73 59.00W
TEMPERATURE INSITU 9.82 BATH 9.80 SALINITY 33.110 BOTTOM DO 8.30PPM 5.79ML/L 100% SATURATION 9.28PPM 6.50ML/L % SATUR 89.46

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.282	8.397	5.861	90.47	7.963	5.558	85.79	0.006750	2.6452	25.1684	12.04	4.68	0.388	18S
9.282	7.800	5.445	84.04	5.591	3.902	60.23	0.038318	15.0166	127.3521	12.11	23.80	1.966	17S
9.282	8.017	5.596	86.37	5.801	4.049	62.49	0.044009	17.2465	127.1103	12.17	23.88	1.962	16S

TEMPERATURE [illegible]TU 9.92 BATH 9.60 SALINITY 32.887 BOTTOM DO 8.75P[illegible].11ML/L 100% SATURATION 9.27PPM 6.49ML/L % SATUR [illegible]3

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.336	8.264	5.768	88.52	7.089	4.948	75.93	0.012559	4.9216	69.4051	11.82	12.59	1.065	2S
9.336	7.360	5.486	84.19	5.695	3.975	60.99	0.021338	8.3623	128.0741	11.80	23.19	1.965	3S
9.336	8.579	5.968	91.89	7.923	5.530	84.86	0.018133	7.1063	38.5141	11.88	7.02	0.591	4M
9.336	8.396	5.860	89.92	7.659	5.346	82.04	0.022557	8.8398	42.9471	11.97	7.89	0.659	5M

DATE 741209 SYMAP STATION 85 CRUISE STATION 22 LATITUDE 40 10.00N LONGITUDE 73 58.00W
TEMPERATURE INSITU 8.58 BATH10.00 SALINITY 32.455 BOTTOM DO 8.90PPM 6.21ML/L 100% SATURATION 9.58PPM 6.71ML/L % SATUR 92.94

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.280	8.332	5.816	89.79	7.203	5.028	77.62	0.016359	6.4109	59.6989	13.20	12.17	0.922	10S
9.280	8.714	6.062	93.90	7.610	5.312	82.01	0.015550	6.0938	58.2428	13.23	11.90	0.899	9S
9.280	8.707	6.077	93.83	7.464	5.210	80.43	0.016074	6.2991	65.3885	13.27	13.40	1.010	8S
9.280	8.701	6.073	93.77	6.960	4.858	75.00	0.021964	8.6077	91.3965	13.30	18.77	1.411	7S

DATE 741209 SYMAP STATION 86 CRUISE STATION 23 LATITUDE 40 10.00N LONGITUDE 73 56.00W
TEMPERATURE INSITU 8.49 BATH10.00 SALINITY 32.267 BOTTOM DO 8.90PPM 6.21ML/L 100% SATURATION 9.61PPM 6.73ML/L % SATUR 92.04

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.291	8.277	5.777	89.08	7.357	5.135	79.19	0.011260	4.4125	53.0469	12.10	9.90	0.818	32S
9.291	8.615	6.014	92.74	7.087	4.947	76.28	0.025517	9.9998	87.6914	12.17	16.46	1.352	33S
9.291	8.766	6.119	94.35	7.991	5.578	86.01	0.013438	5.2663	44.3451	12.19	8.34	0.684	34S
9.291	8.560	5.975	92.13	8.342	5.823	89.78	0.002271	0.8901	12.4792	12.21	2.35	0.192	26S
9.291	8.820	6.156	94.93	7.964	5.559	85.72	0.012117	4.7484	48.8795	12.23	9.22	0.754	27S
9.291	8.633	6.026	92.92	8.229	5.744	88.57	0.015418	6.0422	23.0388	12.25	4.35	0.355	31M

DATE 741209 SYMAP STATION 60 CRUISE STATION 24 LATITUDE 40 19.00N LONGITUDE 73 58.00W
TEMPERATURE INSITU 9.69 BATH 8.50 SALINITY 33.056 BOTTOM DO 8.50PPM 5.93ML/L 100% SATURATION 9.31PPM 6.52ML/L % SATUR 91.32

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.556	8.798	6.141	92.06	7.695	5.371	80.52	0.013193	5.1701	58.3257	13.20	11.54	0.874	43S
9.556	8.464	5.908	88.57	7.773	5.426	81.34	0.011330	4.4403	36.9485	13.06	7.23	0.554	41S
9.556	8.364	5.838	87.53	8.126	5.672	85.03	0.003905	1.5305	12.5696	13.25	2.50	0.188	42S
9.556	8.257	5.763	86.40	8.288	5.785	86.73	-0.001065	-0.4173	-1.6251	13.28	-0.32	-0.024	40M

BENTHIC RESPIRATION CR[illegible]07416

DATE 741210 SYMAP STATION 58 CRUISE STATION 25 LATITUDE 40 19.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 9.52 BATH 8.50 SALINITY 32.888 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.35PPM 6.55ML/L % SATUR 91.95

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.567	8.026	5.602	83.89	6.147	4.290	64.25	0.035423	13.8817	112.0056	11.71	19.64	1.677	39S
9.567	8.091	5.648	84.58	5.825	4.066	60.89	0.041610	16.3065	133.3939	11.86	23.69	1.998	46S
9.567	8.154	5.691	85.23	6.468	4.514	67.61	0.031200	12.2270	98.7275	11.92	17.62	1.478	38S
9.567	8.332	5.816	87.09	5.992	4.182	62.63	0.048753	19.1060	135.8731	12.02	24.46	2.035	37S
9.567	8.339	5.821	87.17	8.240	5.752	86.13	0.002161	0.8468	5.7265	12.08	1.04	0.086	48W
9.567	8.561	5.976	89.49	8.324	5.810	87.01	0.004920	1.9280	13.6727	12.11	2.48	0.205	44W

DATE 741210 SYMAP STATION 57 CRUISE STATION 26 LATITUDE 40 19.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU 9.69 BATH10.00 SALINITY 33.018 BOTTOM DO 8.65PPM 6.04ML/L 100% SATURATION 9.31PPM 6.52ML/L % SATUR 92.91

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.247	7.856	5.483	84.96	7.001	4.886	75.71	0.014232	5.5775	54.7762	10.90	9.25	0.849	19S
9.247	8.065	5.630	87.22	7.418	5.178	80.22	0.008719	3.4169	40.9677	11.03	7.00	0.635	20S
9.247	8.415	5.874	91.00	6.695	4.673	72.41	0.036586	14.3378	108.9095	11.02	18.60	1.687	21S
9.247	8.424	5.880	91.10	7.408	5.171	80.11	0.017278	6.7711	64.2216	11.04	10.99	0.995	22S

DATE 741210 SYMAP STATION 56 CRUISE STATION 27 LATITUDE 40 19.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU10.41 BATH10.00 SALINITY 33.386 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.14PPM 6.40ML/L % SATUR 95.15

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.225	8.068	5.631	87.46	6.494	4.533	70.39	0.027340	10.7144	98.1014	11.20	17.06	1.524	16S
9.225	8.401	5.864	91.07	6.008	4.193	65.12	0.041626	16.3129	148.4954	11.25	25.94	2.306	12S
9.225	8.205	5.728	88.95	6.261	4.370	67.87	0.038290	15.0055	119.7258	11.34	21.08	1.859	14S
9.225	8.412	5.871	91.18	7.052	4.922	76.44	0.026356	10.3286	83.1354	11.42	14.74	1.291	15S
9.225	8.253	5.764	89.51	8.125	5.671	88.07	0.005139	2.0138	8.0898	11.47	1.44	0.126	11W
9.225	8.091	5.648	87.71	8.178	5.708	88.65	-0.003618	-1.4180	-5.2958	11.45	-0.94	-0.082	13W

DATE 741210 SYMAP STATION 55 CRUISE STATION 28 LATITUDE 40 19.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU10.20 BATH 9.00 SALINITY 32.154 BOTTOM DO 9.60PPM 6.70ML/L 100% SATURATION 9.26PPM 6.48ML/L % SATUR 103.71

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.505	8.274	5.775	87.04	7.466	5.211	78.55	0.017302	6.7806	49.9833	11.28	8.50	0.753	SITU ESTA 27S
9.505	8.623	6.019	90.72	7.567	5.282	79.61	0.022036	8.6356	64.8207	11.37	11.11	0.977	9S
9.505	8.302	5.795	87.35	2.983	2.082	31.38	0.088144	34.5427	325.7229	11.40	55.97	4.909	7S
9.505	8.364	5.852	88.21	7.081	4.942	74.49	0.024162	9.4687	79.1989	11.49	13.72	1.194	8S

TEMPERATURE [illegible]TU 9.80 BATH 9.00 SALINITY 33.014 BOTTOM DO 8.80P[illegible].14ML/L 100% SATURATION 9.29PPM 6.50ML/L % SATUR [illegible]5

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.453	8.124	5.671	85.94	7.602	5.306	80.42	0.010142	3.9746	31.6921	11.50	5.52	0.480	44S
9.453	8.364	5.838	88.48	7.254	5.063	76.73	0.018901	7.4072	67.2584	11.52	11.74	1.019	38S
9.453	8.772	6.123	92.79	7.765	5.420	82.14	0.018552	7.2705	60.5835	11.60	10.65	0.918	40S
9.453	8.327	5.812	88.09	7.441	5.194	78.72	0.015495	6.0723	53.2399	11.61	9.37	0.807	39S
9.453	8.528	5.953	90.22	7.992	5.578	84.54	0.010231	4.0096	32.0850	11.67	5.67	0.486	45M
9.453	7.939	5.541	83.98	8.270	5.772	87.48	-0.006865	-2.6904	-19.7473	11.70	-3.50	-0.299	42M

DATE 741210 SYMAP STATION 28 CRUISE STATION 30 LATITUDE 40 28.00N LONGITUDE 73 58.00W
TEMPERATURE INSITU 8.40 BATH 8.50 SALINITY 32.273 BOTTOM DO 9.00PPM 6.28ML/L 100% SATURATION 9.63PPM 6.74ML/L % SATUR 93.49

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.605	8.060	5.626	83.91	8.279	5.779	86.20	-0.003982	-1.5604	-13.5748	11.30	-2.29	-0.202	3S
9.605	8.488	5.924	88.37	7.398	5.164	77.02	0.018463	7.2356	68.2182	11.15	11.35	1.018	5S
9.605	8.688	6.064	90.46	8.333	5.817	86.76	0.006246	2.4478	21.8962	11.32	3.70	0.327	23S
9.605	8.709	6.079	90.68	8.321	5.808	86.63	0.005099	1.9984	23.8494	11.38	4.05	0.356	17S
9.605	8.691	6.066	90.48	8.566	5.979	89.18	0.005030	1.9711	7.9470	11.00	1.30	0.119	24M

DATE 741210 SYMAP STATION 26 CRUISE STATION 31 LATITUDE 40 28.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 9.74 BATH10.00 SALINITY 33.012 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.30PPM 6.51ML/L % SATUR 93.55

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.247	8.709	6.079	94.19	7.888	5.506	85.30	0.016416	6.4332	50.1980	11.42	6.88	0.778	21S
9.247	8.505	5.936	91.97	7.421	5.180	80.25	0.020920	8.1982	65.9915	11.47	11.73	1.022	1S
9.247	8.725	6.090	94.35	7.035	4.911	76.08	0.035216	13.8008	102.6220	11.49	18.27	1.590	14S
9.247	8.392	5.858	90.75	7.427	5.184	80.32	0.019918	7.8056	58.5494	11.50	10.43	0.907	12S
9.247	8.231	5.745	89.01	8.380	5.849	90.62	-0.003259	-1.2773	-8.9734	11.56	-1.61	-0.139	20M
9.247	7.916	5.525	85.61	8.131	5.675	87.93	-0.004888	-1.9154	-12.9237	11.58	-2.32	-0.200	22M

DATE 741211 SYMAP STATION 25 CRUISE STATION 32 LATITUDE 40 28.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 9.78 BATH10.00 SALINITY 32.104 BOTTOM DO 8.80PPM 6.14ML/L 100% SATURATION 9.35PPM 6.54ML/L % SATUR 94.16

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.301	8.325	5.611	89.51	4.648	3.244	49.98	0.073907	28.9634	216.1944	11.87	39.53	3.330	11S
9.301	8.240	5.751	88.60	7.099	4.955	76.33	0.021778	8.5344	66.1857	12.03	12.26	1.020	15S
9.301	8.328	5.813	89.55	6.178	4.312	66.43	0.033300	15.0092	123.1201	12.19	23.12	1.897	6S
9.301	8.433	5.886	90.67	5.590	3.902	60.10	0.059719	23.4035	162.8011	12.19	30.57	2.508	2S

DATE 741211 SYMAP STATION 24 CRUISE STATION 33 LATITUDE 40 28.00N LONGITUDE 73 46.00W

MPERATURE INSITU 9.82 BATH10.00 SALINITY 32.588 BOTTOM DO 8.80PPM 6.14ML/L 100% SATURATION 9.31PPM 6.52ML/L % SATUR 94.53

100%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.272	8.269	5.772	89.18	6.415	4.478	69.19	0.044007	17.2457	123.9609	10.44	20.00	1.915	27S
9.272	8.462	5.906	91.26	8.302	5.795	89.54	0.003581	1.4034	10.6197	10.52	1.73	0.164	34S
9.272	8.226	5.741	88.71	7.919	5.527	85.41	0.007103	2.7835	20.2263	10.58	3.31	0.313	33S
9.272	8.287	5.785	89.38	6.743	4.706	72.72	0.034378	13.4723	99.6393	10.82	16.66	1.540	32S
9.272	8.583	5.990	92.40	8.434	5.887	90.97	0.003699	1.4496	8.5659	10.86	1.44	0.132	47m
9.272	8.425	5.881	90.87	8.428	5.883	90.90	-0.000068	-0.0266	-0.1710	10.87	-0.03	-0.003	4m

DATE 741211 SYMAP STATION 23 CRUISE STATION 34 LATITUDE 40 28.00N LONGITUDE 73 48.00W

MPERATURE INSITU10.00 BATH10.00 SALINITY 33.225 BOTTOM DO 8.63PPM 6.02ML/L 100% SATURATION 9.23PPM 6.47ML/L % SATUR 93.45

100%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.235	8.068	5.651	87.36	7.067	4.932	76.52	0.021413	8.3917	59.0080	11.84	10.84	0.915	10S
9.235	8.239	5.751	89.22	6.230	4.348	67.46	0.043160	16.9139	117.8499	11.90	21.76	1.828	9S
9.235	6.841	4.775	74.09	5.184	3.618	56.13	0.038346	15.0275	96.5123	11.99	17.95	1.497	26S
9.235	7.715	5.385	83.54	5.053	3.527	54.72	0.044549	17.4585	153.1876	12.13	28.83	2.377	35S
9.235	8.437	5.889	91.37	7.965	5.560	86.26	0.011567	4.5331	26.8424	12.27	5.11	0.416	36m
9.235	8.029	5.604	86.94	7.209	5.032	78.07	0.026832	10.5152	46.0379	12.42	8.87	0.714	25m

DATE 741211 SYMAP STATION 22 CRUISE STATION 35 LATITUDE 40 28.00N LONGITUDE 73 50.00W

EMPERATURE INSITU 9.79 BATH10.00 SALINITY 33.119 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.28PPM 6.50ML/L % SATUR 92.64

100%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.241	8.766	6.116	94.86	6.746	4.709	73.01	0.036392	14.2616	130.0242	10.84	21.85	2.016	7S
9.241	8.407	5.868	90.97	7.022	4.901	75.99	0.021709	8.5075	89.3355	10.82	14.99	1.385	19S
9.241	7.654	5.462	85.00	6.690	4.669	72.39	0.022744	8.9131	74.5829	10.90	12.60	1.156	13S
9.241	7.930	5.535	85.81	7.484	5.224	80.99	0.008493	3.3283	28.4413	10.94	4.82	0.441	18S
9.241	8.171	5.703	88.42	6.605	4.191	64.98	0.036459	14.2881	138.0843	10.95	23.44	2.141	16S

DATE 741211 SYMAP STATION 21 CRUISE STATION 36 LATITUDE 40 28.00N LONGITUDE 73 52.00W

TEMPERATURE INSITU 9.34 BATH10.00 SALINITY 32.685 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.39PPM 6.58ML/L % SATUR 92.65

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.255	8.513	5.942	91.99	6.934	4.840	74.92	0.028682	11.2403	100.2094	11.00	17.06	1.551	39S
9.255	8.523	5.953	92.15	7.266	5.071	78.51	0.020469	8.0215	79.3816	11.10	13.64	1.229	42S
9.255	8.050	5.620	87.10	7.299	5.094	78.87	0.013246	5.1911	47.1364	11.28	8.23	0.730	46S
9.255	8.367	5.840	90.41	6.811	4.754	73.60	0.022985	9.0077	95.4956	11.37	16.81	1.478	41S

DATE 741212 SYMAP STATION 8 CRUISE STATION [illegible] LATITUDE 40 31.00N LONGITUDE 73 40.00W
EMPERATURE [illegible]TU10.09 BATH10.00 SALINITY 33.232 BOTTOM DO 8.50PP[illegible].93ML/L 100% SATURATION 9.22PPM 6.45ML/L % SATUR [illegible]

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.234	8.061	5.627	87.29	7.408	5.171	80.22	0.012108	4.7450	42.3297	10.77	7.07	0.657	4S
9.234	8.586	5.993	92.98	7.209	5.032	78.07	0.024513	9.6065	90.4010	10.63	14.91	1.403	2S
9.234	8.416	5.874	91.14	7.005	4.889	75.86	0.026002	10.1900	93.5503	10.53	15.28	1.451	1S
9.234	8.162	5.697	88.39	7.760	5.417	84.04	0.008172	3.2024	26.0397	10.78	4.36	0.404	3S

DATE 741212 SYMAP STATION 10 CRUISE STATION 38 LATITUDE 40 31.00N LONGITUDE 73 44.00W
EMPERATURE INSITU10.01 BATH10.00 SALINITY 33.225 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.23PPM 6.47ML/L % SATUR 93.15

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.235	8.840	6.170	95.73	7.741	5.403	83.82	0.028882	11.3186	76.8133	9.99	11.91	1.192	9S
9.235	8.197	5.721	88.76	0.0	0.0	0.0	0.217089	85.0748	571.0046	10.02	68.76	8.859	NO FIN PAU 6S
9.235	8.869	6.191	96.04	7.183	5.014	77.78	0.038220	14.9780	117.0047	10.06	18.26	1.815	8S
9.235	8.550	5.968	92.59	7.467	5.212	80.86	0.029095	11.4020	74.0188	10.21	11.72	1.148	7S
9.235	8.618	6.015	93.32	7.485	5.225	81.06	0.043665	17.1119	77.1117	10.25	12.26	1.196	12m
9.235	3.916	2.733	42.40	6.194	4.323	67.07	-0.066498	-26.0600	-154.6997	10.28	*****	-2.400	10m

DATE 741212 SYMAP STATION 12 CRUISE STATION 39 LATITUDE 40 31.00N LONGITUDE 73 48.00W
EMPERATURE INSITU 8.90 BATH10.00 SALINITY 32.944 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.48PPM 6.64ML/L % SATUR 91.79

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.251	8.579	5.968	92.73	6.746	4.709	72.93	0.022139	8.6760	79.9744	15.99	19.60	1.239	14S
9.251	8.510	5.940	91.99	6.643	4.637	71.81	0.023765	9.3134	81.0481	16.08	20.18	1.255	11S
9.251	8.800	6.142	95.13	6.852	4.803	74.39	0.024417	9.5689	82.4012	16.25	20.74	1.276	13S
9.251	9.101	6.352	98.38	6.992	4.881	75.59	0.024680	9.6717	89.8437	16.38	22.79	1.391	5S

DATE 741212 SYMAP STATION 14 CRUISE STATION 40 LATITUDE 40 31.00N LONGITUDE 73 52.00W
EMPERATURE INSITU***** BATH 0.0 SALINITY 32.580 BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
11.722	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

DATE 741212 SYMAP STATION 14 CRUISE STATION 41 LATITUDE 40 31.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU 9.14 BATH10.00 SALINITY 31.983 BOTTOM DO 8.90PPM 6.21ML/L 100% SATURATION 9.49PPM 6.64ML/L % SATUR 93.82

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.308	8.495	5.929	91.27	5.700	3.979	61.24	0.048532	19.0193	142.4867	13.69	30.02	2.193	16S
9.308	8.371	5.843	89.94	6.016	4.200	64.64	0.031832	12.4745	119.6976	13.73	25.30	1.842	VOL UNSURE23S
9.308	8.201	5.724	88.11	7.535	5.238	80.63	0.012552	4.9188	35.3374	13.75	7.48	0.544	21S
9.308	8.603	6.005	92.43	7.468	5.212	80.23	0.023904	9.3676	57.6148	13.75	12.19	0.887	22S
9.308	8.577	5.987	92.15	8.254	5.762	88.68	0.006317	2.4757	16.3158	13.82	3.47	0.251	15M
9.308	8.410	5.870	90.36	8.135	5.678	87.40	0.004057	1.5898	13.8441	13.87	2.96	0.213	24M

DATE 741212 SYMAP STATION 2 CRUISE STATION 42 LATITUDE 40 34.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 8.50 BATH10.00 SALINITY 32.394 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.60PPM 6.72ML/L % SATUR 89.61

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.283	8.140	5.682	87.68	6.999	4.885	75.39	0.016680	6.6151	57.4251	13.87	12.29	0.886	20S
9.283	8.179	5.709	88.10	6.487	4.528	69.88	0.019525	7.6516	84.5092	13.97	18.22	1.304	17S
9.283	8.010	5.591	86.29	7.228	5.045	77.85	0.010803	4.2337	39.0270	14.00	8.43	0.602	TEMP PROB 18S
9.283	8.293	5.788	89.33	5.374	3.751	57.89	0.040240	15.7697	144.6646	14.08	31.43	2.233	TEMP PROB 37S
9.283	7.976	5.567	85.92	7.021	4.901	75.63	0.011784	4.6181	47.1571	14.13	10.28	0.728	TEMP PROB 19S
9.283	8.449	5.897	91.01	7.794	5.440	83.95	0.011715	4.5910	31.5581	14.49	7.06	0.487	TEMP PROB 38M

DATE 741212 SYMAP STATION 11 CRUISE STATION 43 LATITUDE 40 31.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU10.50 BATH11.50 SALINITY 33.085 BOTTOM DO 8.40PPM 5.86ML/L 100% SATURATION 9.14PPM 6.40ML/L % SATUR 91.88

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
8.947	8.299	5.793	92.76	7.912	5.523	88.43	0.005609	2.1980	18.5830	14.53	4.32	0.298	SAL ESTA 33S
8.947	9.086	6.342	101.55	7.151	4.991	79.92	0.027021	10.5894	92.4580	14.61	21.63	1.481	SAL ESTA 36S
8.947	8.206	5.726	91.72	7.243	5.056	80.96	0.015031	5.8905	46.0969	14.58	10.76	0.738	SAL ESTA 34S
8.947	8.831	6.164	98.71	6.910	4.823	77.24	0.026656	10.4463	91.9639	14.58	21.47	1.473	SAL ESTA 26S

DATE 741213 SYMAP STATION 66 CRUISE STATION 44 LATITUDE 40 16.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU***** BATH 0.0 SALINITY 33.423 BOTTOM DO *****PPM *****ML/L 100% SATURATION *****PPM *****ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
11.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S
11.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	SITU MISS 0S

TEMPERATURE INSITU[illegible] BOTTOM DO 8.30[illegible].79ML/L 100% SATURATION 9.01PPM 8.31ML/L % SATUR [illegible]9

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.207	8.574	5.965	93.13	7.859	5.485	85.35	0.012273	4.8097	48.7367	10.25	7.77	0.758	3S
9.207	8.344	5.824	90.63	7.500	5.235	81.46	0.016572	6.4945	56.7672	10.38	9.17	0.883	8S
9.207	8.291	5.787	90.04	7.410	5.172	80.48	0.017306	6.7819	60.0999	10.23	9.57	0.935	4S
9.207	8.344	5.824	90.63	7.870	5.493	85.48	0.009355	3.6659	32.2774	10.25	5.15	0.502	13S

DATE 741213 SYMAP STATION 68 CRUISE STATION 46 LATITUDE 40 16.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU10.79 BATH10.00 SALINITY 33.660 BOTTOM DO 8.58PPM 5.99ML/L 100% SATURATION 9.05PPM 6.34ML/L % SATUR 94.78

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.209	7.922	5.529	86.02	3.799	2.652	41.26	0.058203	22.8091	238.6012	12.06	44.77	3.712	12S
9.209	7.944	5.545	86.26	7.215	5.036	78.35	0.016849	6.6031	41.7246	12.19	7.91	0.649	7S
9.209	7.839	5.472	85.13	7.994	5.580	86.80	-0.002875	-1.1265	-8.8386	12.20	-1.68	-0.138	2S
9.209	7.762	5.418	84.28	8.085	5.643	87.79	-0.005034	-1.9728	-18.3707	12.27	-3.51	-0.286	1S
9.209	8.003	5.586	86.90	6.499	4.536	70.57	0.015609	6.1170	84.8994	12.37	16.34	1.321	VOL UNSURE 6W
9.209	7.933	5.537	86.14	7.913	5.523	85.92	0.000387	0.1515	1.1372	12.38	0.22	0.018	10W

DATE 741213 SYMAP STATION 69 CRUISE STATION 47 LATITUDE 40 16.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU10.40 BATH10.00 SALINITY 33.557 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.14PPM 6.40ML/L % SATUR 94.14

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.215	8.008	5.590	86.91	7.962	5.557	86.40	0.000848	0.3322	2.6221	12.40	0.51	0.041	5S
9.215	8.264	5.768	89.68	7.708	5.381	83.65	0.009275	3.6348	31.2268	12.42	6.03	0.485	23S
9.215	7.643	5.335	82.94	6.494	4.533	70.47	0.020556	8.0556	64.2364	12.49	12.47	0.999	9S
9.215	7.707	5.379	83.63	4.814	3.360	52.24	0.035587	13.9461	161.5691	12.50	31.40	2.512	17S

DATE 741213 SYMAP STATION 70 CRUISE STATION 48 LATITUDE 40 16.00N LONGITUDE 73 40.00W
TEMPERATURE INSITU10.28 BATH10.00 SALINITY 33.542 BOTTOM DO 8.80PPM 6.14ML/L 100% SATURATION 9.16PPM 6.41ML/L % SATUR 96.07

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.216	7.453	5.202	80.87	8.075	5.636	87.62	-0.012550	-4.9182	-37.5532	11.56	-6.75	-0.584	19S
9.216	8.385	5.853	90.98	7.457	5.205	80.91	0.018864	7.3924	55.8737	11.60	10.08	0.869	22S
9.216	8.103	5.656	87.92	8.062	5.627	87.47	0.000944	0.3700	2.4841	11.65	0.45	0.039	14S
9.216	7.684	5.364	83.38	7.662	5.348	83.14	0.000477	0.1868	1.3380	11.67	0.24	0.021	21S

BENTHIC RESPIRATION CRUI[illegible]416

DATE 741213 SYMAP STATION 72 CRUISE STATION 49 LATITUDE 40 16.00N LONGITUDE 73 38.00W
[illegible]PERATURE INSITU 9.72 BATH10.00 SALINITY 33.123 BOTTOM DO 8.80PPM 6.14ML/L 100% SATURATION 9.30PPM 6.51ML/L % SATUR 94.65

[illegible]DO%SATU [illegible]TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.241	8.135	5.678	88.04	7.916	5.525	85.66	0.004113	1.6117	11.5821	13.21	2.37	0.180		32S
9.241	8.401	5.864	90.91	8.078	5.638	87.42	0.006090	2.3864	17.0169	13.23	3.49	0.264		36S
9.241	8.248	5.757	89.26	8.259	5.765	89.38	-0.000190	-0.0745	-0.5908	13.30	-0.12	-0.009	TEMP PROB	27S
9.241	7.733	5.397	83.68	8.092	5.648	87.57	-0.005826	-2.2840	-18.8683	13.30	-3.89	-0.293	TEMP PROB	37S
9.241	8.228	5.743	89.05	8.130	5.674	87.98	0.002118	0.8299	5.1148	13.49	1.07	0.079	TEMP PROB	26W
9.241	8.296	5.792	89.80	8.201	5.724	88.75	0.001916	0.7509	5.0299	13.49	1.05	0.078	TEMP PROB	28W

DATE 741213 SYMAP STATION 74 CRUISE STATION 50 LATITUDE 40 13.00N LONGITUDE 73 42.00W
[illegible]PERATURE INSITU10.50 BATH10.00 SALINITY 33.592 BOTTOM DO 8.70PPM 6.07ML/L 100% SATURATION 9.11PPM 6.38ML/L % SATUR 95.46

[illegible]DO%SATU [illegible]TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.213	8.447	5.896	91.68	6.455	4.505	70.06	0.028427	11.1402	100.0284	13.90	21.62	1.555		39S
9.213	8.478	5.918	92.02	6.113	4.267	66.35	0.035958	14.0915	118.5849	13.92	25.67	1.844		40S
9.213	8.214	5.734	89.16	******	******	******	8.101531	3174.9080	27650.2734	13.94	*****	******		41S
9.213	8.624	6.019	93.60	6.454	4.512	70.16	0.028289	11.0862	108.0498	13.95	23.44	1.680		42S

DATE 741213 SYMAP STATION 76 CRUISE STATION 51 LATITUDE 40 13.00N LONGITUDE 73 46.00W
[illegible]EMPERATURE INSITU10.69 BATH10.00 SALINITY 33.611 BOTTOM DO 8.55PPM 5.97ML/L 100% SATURATION 9.07PPM 6.35ML/L % SATUR 94.22

[illegible]DO%SATU [illegible]ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.212	8.725	6.090	94.71	8.073	5.635	87.63	0.007073	2.7717	36.6322	12.42	7.08	0.570		33S
9.212	7.842	5.474	85.13	6.670	4.656	72.40	0.020296	7.9539	65.4674	12.50	12.73	1.018		44S
9.212	9.110	6.359	98.90	8.017	5.596	87.03	0.014727	5.7713	61.6318	12.38	11.87	0.959		45S
9.212	8.362	5.851	90.99	5.928	4.138	64.35	0.039953	15.6572	134.1197	12.77	26.64	2.086		46S
9.212	8.705	6.076	94.49	8.402	5.865	91.21	0.008409	3.2954	16.7960	12.58	3.29	0.261		47W
9.212	8.427	5.882	91.48	8.444	5.894	91.66	-0.000452	-0.1770	-0.9309	12.63	-0.18	-0.014		48W

DATE 741214 SYMAP STATION 77 CRUISE STATION 52 LATITUDE 40 13.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU11.02 BATH10.00 SALINITY 33.860 BOTTOM DO 8.10PPM 5.65ML/L 100% SATURATION 9.00PPM 6.30ML/L % SATUR 90.04

[illegible]DO%SATU [illegible]BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
9.197	8.335	5.820	90.66	6.479	4.522	70.44	0.032821	12.8624	116.3785	11.15	20.21	1.813		24S
9.197	8.053	5.621	87.55	7.326	5.113	79.65	0.014719	5.7682	45.3044	11.20	7.90	0.706		3S
9.197	7.545	5.266	82.03	7.719	5.388	83.93	-0.003379	-1.3243	-10.7982	11.28	-1.90	-0.168		13S
9.197	6.831	4.768	74.27	6.307	4.402	68.57	0.010320	4.0444	32.2626	11.34	5.70	0.503		8S

TEMPERATURE [illegible]TU10.50 BATH10.00 SALINITY 33.682 BOTTOM DO 8.40P[illegible].86ML/L 100% SATURATION 9.11PPM 6.38ML/L % SATUR [illegible]3

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.208	8.496	5.950	92.27	7.834	5.468	85.08	0.013248	5.1916	42.5078	10.88	7.20	0.661	23S
9.208	8.104	5.656	88.01	8.092	5.648	87.88	0.000205	0.0802	0.7387	10.88	0.13	0.011	2S
9.208	8.407	5.868	91.30	7.074	4.938	76.83	0.024921	9.7663	85.0477	10.94	14.48	1.323	12S
9.208	8.197	5.722	89.03	3.736	2.608	40.57	0.074442	29.1732	283.1069	11.00	48.45	4.405	10S

DATE 741214 SYMAP STATION 80 CRUISE STATION 54 LATITUDE 40 13.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 9.50 BATH10.00 SALINITY 33.041 BOTTOM DO 8.40PPM 5.86ML/L 100% SATURATION 9.35PPM 6.55ML/L % SATUR 89.00

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.245	8.357	5.833	90.39	4.040	2.820	43.70	0.087291	34.2086	259.0764	11.63	46.69	4.015	Q FIN DO 17S
9.245	8.422	5.878	91.09	8.416	5.875	91.03	0.000090	0.0354	0.3032	11.67	0.05	0.005	15S
9.245	8.099	5.653	87.60	6.843	4.776	74.01	0.023837	9.3415	74.0620	11.84	13.59	1.148	18S
9.245	8.259	5.765	89.33	6.391	4.461	69.13	0.028964	11.3509	109.7353	11.88	20.20	1.700	22S
9.245	7.821	5.459	84.59	7.943	5.548	85.97	-0.002729	-1.0695	-7.4109	11.98	-1.38	-0.115	1W
9.245	9.021	6.297	97.58	7.470	5.214	80.79	0.036831	15.2176	89.9595	12.04	16.78	1.394	9W

DATE 741214 SYMAP STATION 82 CRUISE STATION 55 LATITUDE 40 13.00N LONGITUDE 73 58.00W
TEMPERATURE INSITU 8.24 BATH10.00 SALINITY 32.560 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.64PPM 6.75ML/L % SATUR 89.18

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.274	8.104	5.656	87.38	5.786	4.039	62.39	0.043503	17.0486	142.1664	11.38	24.99	2.196	36S
9.274	8.322	5.808	89.73	6.389	4.460	68.90	0.032930	12.9049	117.5975	11.47	20.84	1.817	27S
9.274	8.323	5.810	89.75	6.280	4.384	67.72	0.031494	12.3422	123.3504	11.56	22.03	1.906	37S
9.274	8.043	5.614	86.73	5.311	3.707	57.27	0.044678	17.5087	164.2421	11.61	29.46	2.537	34S

DATE 741214 SYMAP STATION 64 CRUISE STATION 56 LATITUDE 40 16.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU 9.53 BATH10.00 SALINITY 33.195 BOTTOM DO 8.55PPM 5.97ML/L 100% SATURATION 9.31PPM 6.52ML/L % SATUR 91.82

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.236	8.448	5.897	91.47	7.746	5.407	83.86	0.015032	5.8909	44.6286	10.99	7.61	0.692	40S
9.236	8.368	5.841	90.60	6.424	4.484	69.55	0.038371	15.0373	123.4501	10.99	21.04	1.915	41S
9.236	8.318	5.806	90.06	6.107	4.263	66.12	0.045258	17.7363	140.7058	10.97	23.94	2.183	30S

BENTHIC RESPIRATION CRUI[illegible]16

DATE 741214 SYMAP STATION 63 CRUISE STATION 57 LATITUDE 40 16.00N LONGITUDE 73 54.00W
MPERATURE INSITU 8.41 BATH10.00 SALINITY 32.525 BOTTOM DO 8.60PPM 6.00ML/L 100% SATURATION 9.61PPM 6.73ML/L % SATUR 89.50

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.276	8.705	6.076	93.84	8.639	6.030	93.14	0.001335	0.5230	3.9117	11.73	0.71	0.060	11S
9.276	8.452	5.899	91.12	8.736	6.098	94.18	-0.003753	-1.4627	-16.8114	11.80	-3.06	-0.260	25S
9.276	8.401	5.864	90.57	8.329	5.814	89.79	0.001395	0.5467	4.2246	11.88	0.78	0.065	44S
9.276	8.182	5.711	88.21	7.733	5.398	83.37	0.005670	2.2220	26.2452	11.94	4.84	0.405	46S

DATE 741214 SYMAP STATION 15 CRUISE STATION 58 LATITUDE 40 31.00N LONGITUDE 73 54.00W
MPERATURE INSITU 7.70 BATH10.00 SALINITY 30.866 BOTTOM DO 8.63PPM 6.02ML/L 100% SATURATION 9.87PPM 6.91ML/L % SATUR 87.45

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.374	8.174	5.706	87.21	6.672	4.657	71.18	0.014703	5.7618	45.5345	23.03	16.03	0.696	INCUB TIME 7S
9.374	7.163	5.001	76.43	7.629	5.464	83.51	-0.013616	-5.3360	-33.0541	14.02	-7.08	-0.505	4S
9.374	7.325	5.402	83.48	7.148	4.989	76.25	0.009348	3.6632	33.4950	14.11	7.22	0.512	16S
9.374	6.326	5.612	88.82	6.402	4.459	68.30	0.023868	9.3535	94.7788	14.17	20.53	1.449	3S
9.374	8.096	5.651	86.36	8.729	6.093	93.12	-0.012018	-4.7095	-31.1331	14.21	-6.76	-0.476	5W
9.374	7.911	5.522	84.39	8.113	5.663	86.55	-0.003539	-1.3869	-9.8845	14.27	-2.16	-0.151	13W

DATE 741214 SYMAP STATION 13 CRUISE STATION 59 LATITUDE 40 31.00N LONGITUDE 73 50.00W
MPERATURE INSITU 9.39 BATH10.00 SALINITY 33.189 BOTTOM DO 8.55PPM 5.97ML/L 100% SATURATION 9.26PPM 6.48ML/L % SATUR 92.34

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.237	7.912	5.522	85.66	7.690	5.507	85.42	0.000409	0.1602	1.2126	12.44	0.23	0.019	14S
9.237	8.378	5.848	90.70	7.246	5.058	78.45	0.018675	7.3184	63.4700	12.45	12.26	0.984	6S
9.237	7.802	5.446	84.47	8.137	5.680	88.10	-0.005838	-2.2879	-18.6495	12.54	-3.63	-0.289	19S
9.237	8.329	5.814	90.18	8.141	5.682	88.14	0.003238	1.2691	10.3785	12.67	2.04	0.161	21S

DATE 741214 SYMAP STATION 1 CRUISE STATION 60 LATITUDE 40 34.00N LONGITUDE 73 48.00W
MPERATURE INSITU 8.36 BATH10.00 SALINITY 33.556 BOTTOM DO 8.28PPM 5.78ML/L 100% SATURATION 9.55PPM 6.69ML/L % SATUR 86.69

D%SATU TH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.215	7.854	5.482	85.23	7.899	5.514	85.72	-0.000842	-0.3299	-2.8054	11.10	-0.48	-0.044	43S
9.215	7.920	5.528	85.95	7.911	5.522	85.84	0.000195	0.0766	0.6147	11.17	0.11	0.010	48S
9.215	7.572	5.285	82.17	7.542	5.265	81.85	0.000560	0.2194	1.8306	11.32	0.32	0.028	45S
9.215	7.927	5.533	86.03	7.486	5.225	81.23	0.008973	3.5165	27.4565	11.23	4.79	0.427	28S
9.215	7.937	5.540	86.13	6.876	4.800	74.62	0.018140	7.1087	65.6469	11.28	11.51	1.021	36S
9.215	8.271	5.773	89.75	8.324	5.810	90.33	-0.001640	-0.6429	-3.3017	11.30	-0.58	-0.051	27W

TEMPERATURE [illegible]ITU 7.86 BATH10.00 SALINITY 32.404 BOTTOM DO 8.95[illegible].25ML/L 100% SATURATION 9.73PPM 6.81ML/L % SATUR [illegible]7

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.283	8.360	5.835	90.05	6.864	4.791	73.94	0.027227	10.6698	82.2684	12.69	16.11	1.270	6S
9.283	8.677	6.057	93.48	6.870	4.795	74.01	0.029516	11.5670	99.7143	12.65	19.47	1.539	10S
9.283	8.757	6.113	94.34	6.088	4.249	65.58	0.039554	15.5007	147.0768	12.67	28.76	2.270	2S
9.283	8.596	6.000	92.60	7.125	4.973	76.75	0.020463	8.0193	80.8748	12.70	15.85	1.248	12S
9.283	8.485	5.923	91.41	6.578	4.591	70.86	0.032688	12.8100	104.8273	12.70	20.55	1.618	9S

DATE 741215 SYMAP STATION 9 CRUISE STATION 62 LATITUDE 40 31.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 9.95 BATH10.00 SALINITY 33.235 BOTTOM DO 8.50PPM 5.93ML/L 100% SATURATION 9.24PPM 6.47ML/L % SATUR 91.95

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.234	8.270	5.772	89.56	7.804	5.447	84.51	0.007792	3.0535	27.0473	12.03	5.05	0.420	22S
9.234	8.332	5.816	90.23	7.804	5.447	84.51	0.008832	3.4612	30.6591	12.03	5.72	0.476	REPLICA 22S
9.234	8.493	5.928	91.98	7.804	5.447	84.51	0.011526	4.5168	40.0094	12.03	7.47	0.621	REPLICA 22S
9.234	8.519	5.947	92.26	7.804	5.447	84.51	0.011962	4.6877	41.5229	12.03	7.75	0.644	REPLICA 22S
9.234	8.110	5.661	87.83	7.955	5.553	86.15	0.002982	1.1685	8.9634	12.04	1.67	0.139	15S
9.234	8.347	5.826	90.40	7.838	5.471	84.88	0.009296	3.6431	29.4545	12.08	5.52	0.457	32S
9.234	8.330	5.814	90.21	7.962	5.557	86.22	0.006542	2.5638	21.2187	12.11	3.99	0.329	26S

DATE 741215 SYMAP STATION 20 CRUISE STATION 63 LATITUDE 40 28.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 9.82 BATH10.00 SALINITY 32.436 BOTTOM DO 8.40PPM 5.86ML/L 100% SATURATION 9.32PPM 6.53ML/L % SATUR 90.15

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
9.281	7.944	5.545	85.60	8.417	5.875	90.69	-0.010161	-3.9819	-31.4719	10.47	-5.09	-0.486	SAL. ESTA 37S
9.281	8.362	5.837	90.10	8.417	5.875	90.69	-0.001167	-0.4573	-3.6140	10.47	-0.58	-0.056	REPLICA 37S
9.281	8.324	5.810	89.69	8.417	5.875	90.69	-0.001996	-0.7821	-6.1816	10.47	-1.00	-0.095	REPLICA 37S
9.281	8.226	5.741	88.63	8.417	5.875	90.69	-0.004110	-1.6106	-12.7295	10.47	-2.06	-0.197	REPLICA 37S
9.281	8.469	5.911	91.25	7.964	5.559	85.81	0.010581	4.1466	33.7173	10.46	5.44	0.520	SAL ESTA 24S
9.281	8.190	5.717	88.25	7.281	5.082	78.45	0.015737	6.1670	60.3336	10.52	9.80	0.931	SAL ESTA 36S
9.281	7.863	5.488	84.72	7.893	5.510	85.05	-0.000590	-0.2314	-2.0145	10.53	-0.33	-0.031	SAL ESTA 47S

BENTHIC RESPIRATION CRU[illegible]7502

DATE 750213 SYMAP STATION 16 CRUISE STATION 009 LATITUDE 40 31.00N LONGITUDE 73 56.00W
EMPERATURE INSITU 4.50 BATH 3.50 SALINITY 29.095 BOTTOM DO 10.05PPM 7.01ML/L 100% SATURATION 10.76PPM 7.53ML/L % SATUR 93.43

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
11.019	9.684	6.699	89.70	8.615	6.013	78.18	0.017345	6.7973	76.8067	11.53	11.51	0.599		28S
11.019	10.534	7.353	95.60	8.341	5.822	75.70	0.036367	14.2520	131.7288	11.62	19.90	1.713		36S
11.019	10.110	7.057	91.75	9.041	6.311	82.05	0.013349	7.1907	63.0607	11.83	9.70	0.820		37S
11.019	9.309	6.847	89.02	8.667	6.049	78.65	0.015479	6.0660	66.7232	11.95	10.37	0.868		44S
11.019	10.365	7.233	94.07	8.855	6.181	80.36	0.014978	5.8699	87.9820	11.98	13.70	1.144	WATER LOST	38W
11.019	10.531	7.350	95.57	9.216	6.433	83.64	0.035207	13.7974	76.3658	12.02	11.93	0.993		47W

DATE 750213 SYMAP STATION 19 CRUISE STATION 010 LATITUDE 40 28.00N LONGITUDE 73 56.00W
EMPERATURE INSITU 6.00 BATH 3.50 SALINITY 31.533 BOTTOM DO 9.45PPM 6.60ML/L 100% SATURATION 10.22PPM 7.15ML/L % SATUR 92.49

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.837	9.726	6.789	89.75	9.118	6.364	84.13	0.006855	3.4701	33.7940	12.57	5.62	0.447		48S
10.837	9.684	6.760	89.36	9.344	6.522	86.22	0.005247	2.0562	18.9692	12.53	3.14	0.251		40S
10.837	9.807	6.846	90.50	10.031	6.981	92.28	-0.003452	-1.3529	-10.7457	12.58	-1.79	-0.142		45S
10.837	9.836	6.865	90.76	9.351	6.527	86.29	0.008244	3.2308	26.8881	12.58	4.47	0.355		41S

DATE 750213 SYMAP STATION 38 CRUISE STATION 011 LATITUDE 40 25.00N LONGITUDE 73 57.00W
EMPERATURE INSITU 4.21 BATH 3.75 SALINITY 31.478 BOTTOM DO 10.60PPM 7.40ML/L 100% SATURATION 10.66PPM 7.46ML/L % SATUR 99.44

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.777	10.014	6.990	92.92	9.563	6.675	88.74	0.005593	2.1920	17.7339	17.73	4.18	0.236		39S
10.777	10.217	7.131	94.81	9.137	6.378	84.79	0.010957	4.2940	42.2746	17.83	10.02	0.562		29S
10.777	9.954	6.943	92.37	9.528	6.511	86.56	0.006869	2.6920	24.4376	17.88	5.81	0.325		42S
10.777	10.110	7.057	93.81	9.614	6.850	91.07	0.002826	1.1074	11.5267	17.92	2.75	0.153		43S

DATE 750214 SYMAP STATION 20 CRUISE STATION 012 LATITUDE 40 28.00N LONGITUDE 73 54.00W
EMPERATURE INSITU 4.20 BATH 4.50 SALINITY 32.210 BOTTOM DO 9.65PPM 6.74ML/L 100% SATURATION 10.61PPM 7.43ML/L % SATUR 90.96

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.534	9.725	6.788	92.32	9.176	6.405	87.11	0.009601	3.7625	30.4609	12.58	5.21	0.414		7S
10.534	9.635	6.725	91.47	9.148	6.386	86.85	0.007890	3.0921	26.7392	12.70	4.62	0.364		6S
10.534	9.819	6.854	93.21	9.138	6.378	86.74	0.011595	4.5439	37.3912	12.72	6.47	0.509		11S
10.534	9.595	6.697	91.08	9.010	6.289	85.53	0.009596	3.7606	31.9843	12.75	5.55	0.435	1 POLY	12S
10.534	9.665	6.746	91.75	9.505	6.635	90.23	0.003239	1.2694	8.7205	12.82	1.52	0.119		9W
10.534	9.705	6.774	92.13	9.594	6.697	91.08	0.002230	0.8740	5.9954	12.83	1.05	0.082		1W

TEMPERATURE TU 4.70 BATH 4.50 SALINITY 32.695 BOTTOM DO 9.55P .67ML/L 100% SATURATION 10.45PPM 7.32ML/L % SATUR 8

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.500	9.428	6.580	89.79	8.728	6.092	83.13	0.010451	4.0958	37.9786	12.85	6.66	0.518		3S
10.500	9.021	6.296	85.91	8.493	5.928	80.89	0.009371	3.6723	28.5175	12.92	5.03	0.389		4S
10.500	9.491	6.625	90.40	8.264	5.768	78.71	0.022060	8.6450	66.2408	12.93	11.69	0.904		13S
10.500	9.542	6.661	90.88	8.808	6.148	83.89	0.012576	4.9283	39.6365	12.93	6.99	0.541		21S

DATE 750214 SYMAP STATION 22 CRUISE STATION 014 LATITUDE 40 28.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 4.45 BATH 4.50 SALINITY 32.438 BOTTOM DO 9.65PPM 6.74ML/L 100% SATURATION 10.53PPM 7.37ML/L % SATUR 91.04

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.518	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES	0S

DATE 750214 SYMAP STATION 23 CRUISE STATION 015 LATITUDE 40 28.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 5.82 BATH 5.00 SALINITY 33.002 BOTTOM DO 9.60PPM 6.70ML/L 100% SATURATION 10.16PPM 7.12ML/L % SATUR 94.49

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.356	9.381	6.548	90.58	8.023	5.600	77.47	0.025884	10.1435	78.4710	12.08	13.11	1.086		17S
10.356	9.578	6.635	92.49	7.211	5.033	69.63	0.042732	16.7462	135.9636	12.15	22.65	1.881		22S
10.356	9.473	6.612	91.48	8.169	5.702	78.89	0.022764	8.9209	74.7913	12.17	12.59	1.035	1 POLY	19S
10.356	9.394	6.557	90.72	7.071	4.936	68.28	0.041451	16.2444	133.1468	12.18	22.44	1.842	1 POLY	20S
10.356	9.172	6.402	88.57	9.646	6.733	93.15	-0.010035	-3.9326	-26.9863	12.27	-4.58	-0.373	F OVERTITR	36W
10.356	9.438	6.568	91.14	9.181	6.408	88.65	0.005554	2.1766	14.7051	12.23	2.49	0.203		18W

DATE 750214 SYMAP STATION 24 CRUISE STATION 016 LATITUDE 40 28.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 5.81 BATH 5.00 SALINITY 32.984 BOTTOM DO 9.60PPM 6.70ML/L 100% SATURATION 10.16PPM 7.12ML/L % SATUR 94.45

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.357	9.393	6.556	90.69	7.303	5.097	70.51	0.030123	11.8048	117.6648	12.40	20.18	1.628		26S
10.357	9.176	6.405	88.59	9.389	6.553	90.65	-0.003534	-1.3851	-11.9228	12.45	-2.05	-0.165		34S
10.357	8.558	5.973	82.63	6.038	4.215	58.30	0.038897	15.2433	140.9114	12.48	24.33	1.949		27S
10.357	9.015	6.293	87.05	9.123	6.368	88.08	-0.001883	-0.7378	-5.9577	12.55	-1.03	-0.082		32S

DATE 750214 SYMAP STATION 25 CRUISE STATION 017 LATITUDE 40 28.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 5.15 BATH 5.30 SALINITY 32.952 BOTTOM DO 9.60PPM 6.70ML/L 100% SATURATION 10.32PPM 7.23ML/L % SATUR 93.00

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.287	9.252	6.458	89.93	8.347	5.826	81.14	0.013689	5.3646	49.6312	12.72	8.79	0.691	SMALLWORMS35S
10.287	9.224	6.438	89.66	6.564	4.582	63.81	0.039678	15.5493	143.7019	12.92	25.86	2.001	WORM TUBES25S
10.287	9.552	6.668	92.86	7.984	5.573	77.61	0.025421	9.9623	84.4281	12.97	15.25	1.176	37S
10.287	9.160	6.394	89.05	8.092	5.648	78.66	0.019287	7.5584	57.2978	13.02	10.39	0.798	44S

DATE 750214 SYMAP STATION 26 CRUISE STATION 018 LATITUDE 40 28.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 5.50 BATH 5.30 SALINITY 32.922 BOTTOM DO 9.55PPM 6.67ML/L 100% SATURATION 10.22PPM 7.16ML/L % SATUR 93.47

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.239	9.610	6.706	93.40	8.324	5.810	80.90	0.014566	5.7084	72.5106	12.38	12.50	1.010	PROBE 10A 10S
10.239	9.338	6.518	90.75	8.245	5.755	80.13	0.019170	7.5126	61.6003	12.38	10.62	0.858	40S
10.239	9.276	6.474	90.15	8.566	5.979	83.25	0.009574	3.7521	39.7149	12.48	6.90	0.553	41S
10.239	9.555	6.669	92.87	8.667	6.189	86.18	0.009503	3.7242	38.2780	12.55	6.69	0.533	46S
10.239	9.373	6.543	91.10	8.809	6.149	85.62	0.007699	3.0173	31.3733	12.55	5.48	0.437	45W
10.239	9.474	6.613	92.08	10.049	7.014	97.66	-0.014539	-5.6976	-31.6511	12.67	-5.58	-0.441	47W

DATE 750214 SYMAP STATION 109 CRUISE STATION 019 LATITUDE 40 23.50N LONGITUDE 73 50.00W
TEMPERATURE INSITU 5.05 BATH 5.30 SALINITY 33.039 BOTTOM DO 9.70PPM 6.77ML/L 100% SATURATION 10.20PPM 7.14ML/L % SATUR 95.12

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.231	9.150	6.386	88.99	6.352	4.434	61.78	0.040197	15.7530	152.9270	12.77	27.21	2.131	24S
10.231	9.109	6.358	88.60	6.683	4.665	65.00	0.037894	14.8504	131.0491	12.92	23.59	1.826	14S
10.231	9.645	6.732	93.81	6.475	4.519	62.98	0.053646	21.0233	170.8548	12.95	30.83	2.381	15S
10.231	9.563	6.679	93.07	9.081	6.339	88.33	0.010590	4.1503	26.2582	12.95	4.74	0.366	8W
10.231	9.318	6.504	90.63	8.661	6.185	86.19	0.009532	3.7353	24.6024	12.97	4.45	0.343	2W

DATE 750214 SYMAP STATION 37 CRUISE STATION 020 LATITUDE 40 25.00N LONGITUDE 73 56.00W
TEMPERATURE INSITU 5.50 BATH 5.30 SALINITY 33.033 BOTTOM DO 9.95PPM 6.95ML/L 100% SATURATION 10.23PPM 7.17ML/L % SATUR 97.23

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.282	9.378	6.546	91.21	7.849	5.478	76.34	0.023894	9.3638	86.2762	12.37	14.87	1.202	INSITU EST 5S
10.282	9.355	6.529	90.97	7.426	5.183	72.22	0.026390	10.3418	105.2834	12.76	18.75	1.467	PROBE 40? 16S
10.282	9.163	6.396	89.12	6.396	4.464	62.20	0.063366	24.8324	151.7220	12.73	26.91	2.114	28S
10.282	8.939	6.240	86.95	6.602	4.609	64.22	0.052886	20.7254	127.7363	12.77	22.73	1.780	1 POLY 33S

TEMPERATUR ITU 5.22 BATH 5.30 SALINITY 32.813 BOTTOM DO 9.80 6.84ML/L 100% SATURATION 10.32PPM 7.22ML/L % SATUR 00

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.297	9.541	6.659	92.66	8.451	5.899	82.07	0.018551	7.2698	57.5014	13.23	10.58	0.800	2 SAND $ 23S
10.297	9.238	6.448	89.71	7.124	4.972	69.19	0.035622	13.9599	110.9332	13.30	20.53	1.544	39S
10.297	9.666	6.747	93.87	8.213	5.733	79.77	0.026512	10.3897	75.9436	13.35	14.11	1.057	48S
10.297	9.484	6.620	92.11	7.980	5.570	77.50	0.021910	8.5862	78.5190	13.37	14.61	1.093	43S
10.297	9.317	6.503	90.48	9.353	6.528	90.83	-0.000568	-0.2224	-1.8729	13.43	-0.35	-0.026	42N
10.297	9.444	6.592	91.72	9.316	6.503	90.48	0.002826	1.1074	6.6107	13.48	1.24	0.092	38N

DATE 750215 SYMAP STATION 35 CRUISE STATION 022 LATITUDE 40 25.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU 6.13 BATH 5.00 SALINITY 33.245 BOTTOM DO 9.40PPM 6.56ML/L 100% SATURATION 10.07PPM 7.05ML/L % SATUR 93.33

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.339	8.983	6.270	86.88	8.053	5.621	77.89	0.010585	4.1481	50.2386	12.92	8.99	0.696	PROBE 10A 10S
10.339	9.010	6.289	87.15	8.068	5.632	78.04	0.013845	5.4257	51.0424	12.88	9.11	0.707	4S
10.339	9.440	6.589	91.30	6.744	4.707	65.23	0.036418	14.2719	144.9631	12.98	26.07	2.009	9S
10.339	9.215	6.432	89.13	7.301	5.096	70.62	0.029338	11.4975	102.6080	13.02	18.51	1.422	7S
10.339	9.132	6.374	88.33	8.999	6.281	87.04	0.003870	1.5164	7.1286	13.03	1.29	0.099	11N
10.339	8.672	6.053	83.87	8.928	6.232	86.36	-0.006615	-2.5923	-13.4547	13.32	-2.48	-0.186	12N

DATE 750215 SYMAP STATION 34 CRUISE STATION 023 LATITUDE 40 25.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 5.00 BATH 5.00 SALINITY 33.293 BOTTOM DO 9.45PPM 6.60ML/L 100% SATURATION 10.34PPM 7.24ML/L % SATUR 91.43

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.336	0.0	0.0	0.0	6.208	4.333	60.06	-0.100019	-39.1966	-324.5676	13.35	*****	-4.499	IN PADMISS16S
10.336	9.467	6.608	91.60	7.051	4.921	68.21	0.061997	24.2959	125.6961	13.42	23.38	1.742	20S
10.336	8.863	6.186	85.75	6.624	4.623	64.08	0.037393	14.6539	115.6158	13.52	21.67	1.603	19S
10.336	8.900	6.212	86.11	6.961	4.859	67.35	0.028138	11.0269	99.3766	13.62	18.76	1.377	13S
10.336	9.016	6.293	87.23	9.053	6.319	87.59	-0.001154	-0.4522	-1.8693	13.83	-0.36	-0.026	22N
10.336	8.983	6.270	86.92	9.300	6.492	89.98	-0.008485	-3.3252	-15.9462	13.87	-3.07	-0.221	21N

DATE 750215 SYMAP STATION 33 CRUISE STATION 024 LATITUDE 40 25.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 5.82 BATH 5.30 SALINITY 33.205 BOTTOM DO 9.80PPM 6.84ML/L 100% SATURATION 10.15PPM 7.11ML/L % SATUR 96.58

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.342	10.013	6.969	96.82	6.853	4.784	66.27	0.051855	20.3215	176.4467	12.50	30.55	2.444	25S
10.342	9.215	6.432	89.10	7.439	5.192	71.93	0.033560	13.1519	98.9909	12.52	17.17	1.371	27S
10.342	9.100	6.352	87.99	7.987	5.575	77.22	0.019188	7.5194	61.6996	12.60	10.77	0.855	34S
10.342	9.002	6.283	87.04	6.353	4.435	61.43	0.046569	18.2498	146.4991	12.62	25.61	2.029	36S

DATE 750215 SYMAP STATION 32 CRUISE STATION 025 LATITUDE 40 25.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 5.30 BATH 5.00 SALINITY 33.007 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.28PPM 7.20ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.356	9.104	6.355	87.92	6.499	4.536	62.76	0.047699	18.6926	150.9271	12.05	25.16	2.088	23S
10.356	8.830	6.163	85.26	6.317	4.410	61.00	0.049517	19.4052	145.1638	12.08	24.26	2.008	37S
10.356	9.780	6.827	94.45	9.358	6.532	90.37	0.008919	3.4954	24.2370	12.15	4.07	0.335	41S
10.356	9.722	6.786	93.89	8.100	5.654	78.22	0.012371	4.8481	92.9606	12.18	15.66	1.286	44S
10.356	9.664	6.745	93.32	9.477	6.615	91.51	0.004608	1.8059	10.8093	12.08	1.81	0.150	29W
10.356	10.091	7.044	97.45	9.559	6.672	92.31	0.015145	5.9351	30.7305	12.08	5.14	0.425	45W

DATE 750215 SYMAP STATION 44 CRUISE STATION 026 LATITUDE 40 22.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU 5.30 BATH 5.00 SALINITY 33.393 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.26PPM 7.18ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.329	8.739	6.100	84.61	9.059	6.323	87.70	-0.004345	-1.7029	-15.4555	14.42	-3.09	-0.214	3S
10.329	8.526	5.951	82.55	7.080	4.942	68.54	0.022788	8.9303	69.7638	14.47	14.00	0.968	1S
10.329	8.965	6.257	86.79	7.068	4.934	68.43	0.028844	11.3037	91.2719	14.50	18.36	1.266	6S
10.329	9.073	6.333	87.64	6.595	4.603	63.85	0.042899	16.8118	118.6344	14.58	23.99	1.646	8S
10.329	9.100	6.352	88.10	8.838	6.169	85.57	0.004137	1.6211	12.5001	14.63	2.54	0.173	24W
10.329	9.237	6.448	89.43	8.518	5.946	82.47	0.012338	4.8353	34.1521	14.70	6.96	0.474	CONTMGLYCL 5W

DATE 750215 SYMAP STATION 45 CRUISE STATION 27 LATITUDE 40 22.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 5.42 BATH 5.00 SALINITY 33.218 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.24PPM 7.17ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.341	9.257	6.462	89.52	6.874	4.798	66.48	0.048457	18.9897	143.0140	11.63	23.04	1.981	38S
10.341	9.317	6.503	90.10	7.461	5.207	72.15	0.036282	14.2184	110.5511	11.72	17.95	1.532	43S
10.341	9.294	6.487	89.87	7.147	4.989	69.11	0.038891	15.2409	127.5132	11.75	20.76	1.767	48S
10.341	8.827	6.161	85.36	6.510	4.544	62.95	0.041871	16.4087	136.2874	11.87	22.41	1.888	40S
10.341	8.495	5.929	82.15	9.471	6.610	91.58	-0.025255	-9.8973	-57.1354	11.92	-9.44	-0.792	46W
10.341	9.117	6.364	88.16	9.374	6.543	90.65	-0.002643	-1.0359	-14.9886	11.95	-2.48	-0.208	39W

DATE 750215 SYMAP STATION 46 CRUISE STATION 28 LATITUDE 40 22.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 5.34 BATH 5.00 SALINITY 33.086 BOTTOM DO *****PPM *****ML/L 100% SATURATION 10.27PPM 7.19ML/L % SATUR ******

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.350	9.614	6.710	92.88	9.445	6.593	91.26	0.003540	1.3872	9.8104	12.00	1.63	0.136	14S
10.350	9.302	6.493	89.88	8.446	5.895	81.61	0.017939	7.0302	49.6653	12.03	8.27	0.687	33S
10.350	10.353	7.020	97.17	9.304	6.494	89.89	0.011192	4.3859	43.6737	12.05	7.28	0.605	17S
10.350	9.231	6.443	89.19	9.364	6.536	90.47	-0.002521	-0.9879	-7.6667	12.08	-1.28	-0.106	18S
10.350	8.308	6.148	85.10	9.585	6.691	92.61	-0.019367	-7.5899	-44.9321	12.07	-7.51	-0.622	26W
10.350	9.417	6.573	90.99	9.700	6.771	93.72	-0.006109	-2.3939	-16.3209	12.10	-2.73	-0.226	47W

EMPERATURE I[illegible]U 5.33 BATH 5.00 SALINITY 32.999 BOTTOM DO 9.90PP[illegible]1ML/L 100% SATURATION 10.26PPM 7.20ML/L % SATUR

DO%SATU ATH	INITAL PPM DO	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.356	9.151	6.388	88.37	8.864	6.187	85.59	0.005252	2.0584	16.7663	11.97	2.78	0.232		2S
10.356	9.235	6.446	89.18	9.063	6.326	87.52	0.003246	1.2721	9.9869	12.03	1.66	0.138		7S
10.356	9.443	6.591	91.18	9.302	6.493	89.82	0.002806	1.1004	8.1903	12.05	1.37	0.113		11S
10.356	9.233	6.445	89.16	8.853	6.179	85.49	0.007885	3.0899	21.9612	12.08	3.67	0.304		9S
10.356	9.168	6.399	88.53	9.095	6.348	87.82	0.001965	0.7702	4.2189	12.07	0.70	0.058	PROBE 10A	10W
10.356	9.433	6.584	91.08	9.006	6.287	86.97	0.009473	3.7123	24.5185	12.13	4.11	0.339		15W

DATE 750216 SYMAP STATION 48 CRUISE STATION 30 LATITUDE 40 22.00N LONGITUDE 73 40.00W

EMPERATURE INSITU 5.32 BATH 5.00 SALINITY 32.957 BOTTOM DO 10.00PPM 6.98ML/L 100% SATURATION 10.28PPM 7.20ML/L % SATUR 97.26

DO%SATU ATH	INITAL PPM DO	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.359	9.175	6.404	88.57	******	******	******	11.691026	4581.5938	45847.1563	12.03	*****	******		20S
10.359	9.283	6.480	89.62	8.751	6.108	84.48	0.010427	4.0861	30.7340	12.08	5.13	0.425		19S
10.359	9.265	6.467	89.44	8.547	5.966	82.51	0.010056	3.9410	41.3500	12.12	6.93	0.572		13S
10.359	9.345	6.523	90.21	9.049	6.316	87.35	0.006068	2.3780	17.0056	12.15	2.86	0.235		21S

DATE 750216 SYMAP STATION 50 CRUISE STATION 31 LATITUDE 40 22.00N LONGITUDE 73 38.00W

EMPERATURE INSITU 5.23 BATH 5.00 SALINITY 32.851 BOTTOM DO 9.80PPM 6.84ML/L 100% SATURATION 10.31PPM 7.22ML/L % SATUR 95.05

DO%SATU ATH	INITAL PPM DO	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.366	9.725	6.788	93.82	8.714	6.083	84.06	0.019001	7.4462	59.2053	11.92	9.75	0.818		27S
10.366	9.541	6.659	92.03	9.295	6.488	89.66	0.004529	1.7750	14.3259	11.98	2.37	0.198		34S
10.366	9.050	6.317	87.30	8.852	6.179	85.39	0.003895	1.5262	11.4147	12.12	1.91	0.158		26S
10.366	9.413	6.570	90.80	8.558	5.973	82.55	0.014490	5.6786	48.9007	12.20	8.25	0.676		36S

DATE 750216 SYMAP STATION 30 CRUISE STATION 32 LATITUDE 40 25.00N LONGITUDE 73 40.00W

EMPERATURE INSITU 5.50 BATH 5.00 SALINITY 33.074 BOTTOM DO 10.05PPM 7.01ML/L 100% SATURATION 10.23PPM 7.16ML/L % SATUR 98.23

DO%SATU ATH	INITAL PPM DO	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	O2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.351	9.552	6.667	92.28	9.004	6.285	86.99	0.009364	3.6696	31.5294	12.13	5.29	0.436		41S
10.351	9.443	6.591	91.23	8.321	5.808	80.39	0.017738	6.9512	64.2680	12.18	10.63	0.890		37S
10.351	9.439	6.588	91.19	8.417	5.875	81.31	0.017848	6.9943	58.2453	12.25	9.88	0.806		44S
10.351	9.395	6.558	90.77	8.546	5.965	82.57	0.014793	5.7971	48.3656	12.25	8.20	0.669		29S

DATE 750216 SYMAP STATION 53 CRUISE STATION 33 LATITUDE 40 19.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 5.80 BATH 5.00 SALINITY 32.960 BOTTOM DO 9.70PPM 6.77ML/L 100% SATURATION 10.17PPM 7.12ML/L % SATUR 95.40

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.359	9.354	6.529	90.29	4.574	3.192	44.15	0.096567	37.8435	302.4734	11.03	46.14	4.183	4S
10.359	9.429	6.582	91.03	7.628	5.464	75.57	0.035524	13.9213	100.9520	11.07	15.46	1.396	8S
10.359	9.398	6.560	90.73	9.019	6.295	87.07	0.008660	3.3938	23.8402	11.10	3.66	0.330	1S
10.359	9.116	6.363	88.00	8.771	6.122	84.68	0.007950	3.1155	21.6046	11.12	3.32	0.299	6S
10.359	9.160	6.393	88.42	9.343	6.522	90.20	-0.004549	-1.7826	-11.5191	11.13	-1.77	-0.159	12W
10.359	8.983	6.270	86.72	9.232	6.444	89.12	-0.006078	-2.3818	-15.5329	11.17	-2.40	-0.215	5W

DATE 750216 SYMAP STATION 55 CRUISE STATION 34 LATITUDE 40 19.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU 5.75 BATH 5.00 SALINITY 33.236 BOTTOM DO 9.75PPM 6.81ML/L 100% SATURATION 10.16PPM 7.12ML/L % SATUR 95.96

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.340	8.814	6.012	83.31	8.529	5.953	82.49	0.001642	0.6436	5.2646	11.20	0.82	0.073	CERIANTHUS17S
10.340	9.439	6.568	91.29	4.533	3.164	43.84	0.062769	24.5986	304.3733	11.25	47.45	4.217	CERI 2PULY33S
10.340	9.156	6.391	88.55	8.253	5.761	79.82	0.017372	6.8079	55.7011	11.32	8.74	0.772	32S
10.340	9.351	6.527	90.43	7.425	5.183	71.81	0.048966	19.1891	117.6658	11.42	18.62	1.630	2 GLYCERA 18S

DATE 750216 SYMAP STATION 56 CRUISE STATION 35 LATITUDE 40 19.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 6.45 BATH 5.00 SALINITY 33.449 BOTTOM DO 9.65PPM 6.74ML/L 100% SATURATION 9.98PPM 6.99ML/L % SATUR 96.65

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.325	8.919	6.225	86.39	7.513	5.244	72.77	0.029603	11.6012	86.7201	11.32	13.62	1.203	2 AMPHIPOD42S
10.325	9.206	6.426	89.16	8.259	5.765	79.99	0.018721	7.3365	58.1350	11.37	9.17	0.807	43S
10.325	9.354	6.529	90.59	7.734	5.398	74.91	0.031065	12.1741	98.9221	11.43	15.69	1.373	46S
10.325	9.005	6.286	87.22	7.650	5.340	74.09	0.027748	10.8742	82.2792	11.50	13.13	1.142	40S
10.325	9.120	6.365	88.32	8.917	6.224	86.36	0.004524	1.7728	12.2653	11.53	1.96	0.170	39W
10.325	9.187	6.412	88.98	8.989	6.274	87.06	0.005362	2.1012	11.9387	11.57	1.92	0.166	47W

DATE 750216 SYMAP STATION 43 CRUISE STATION 36 LATITUDE 40 22.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 6.26 BATH 5.50 SALINITY 33.339 BOTTOM DO 10.10PPM 7.05ML/L 100% SATURATION 10.03PPM 7.02ML/L % SATUR 100.69

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.213	9.224	6.436	90.31	8.757	6.113	85.75	0.006598	2.5855	26.2179	12.42	4.57	0.368	21S
10.213	9.460	6.603	92.63	8.816	6.154	86.32	0.009244	3.6228	36.0701	12.47	6.31	0.506	9S
10.213	9.011	6.290	88.23	7.469	5.214	73.14	0.019514	7.6474	86.2290	12.48	15.10	1.210	11S
10.213	8.899	6.211	87.13	8.261	5.766	80.89	0.009675	3.7916	35.6967	12.47	6.24	0.501	7S
10.213	9.134	6.375	89.43	9.078	6.337	88.89	0.001620	0.6350	3.0995	12.47	0.54	0.043	19W
10.213	8.825	6.160	86.41	9.040	6.310	88.52	-0.006747	-2.6442	-12.0256	12.53	-2.11	-0.169	15W

EMPERATURE 1[illegible].0 6.61 BATH 5.50 SALINITY 33.507 BOTTOM DO 9.30PP[illegible]49ML/L 100% SATURATION 9.94PPM 6.96ML/L % SATUR

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.202	8.818	6.155	86.44	8.934	6.236	87.57	-0.001768	-0.6927	-6.1807	13.08	-1.14	-0.087	16S
10.202	8.784	6.131	86.11	7.644	5.336	74.93	0.016437	6.4415	60.6458	13.12	11.17	0.852	22S
10.202	9.020	6.296	88.42	7.577	5.289	74.27	0.031507	12.3472	76.7166	13.13	14.15	1.077	25S
10.202	9.017	6.294	88.39	8.314	5.803	81.50	0.015142	5.9341	37.2871	13.15	6.89	0.524	13S

DATE 750217 SYMAP STATION 58 CRUISE STATION 38 LATITUDE 40 19.00N LONGITUDE 73 54.00W
EMPERATURE INSITU 6.30 BATH 5.50 SALINITY 33.370 BOTTOM DO 9.50PPM 6.63ML/L 100% SATURATION 10.02PPM 7.02ML/L % SATUR 94.77

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.211	9.428	6.531	92.34	8.915	6.223	87.31	0.009642	3.7785	28.6198	12.52	5.03	0.402	34S
10.211	9.422	6.576	92.27	6.308	4.403	61.78	0.066546	26.0789	173.1538	12.55	30.49	2.429	36S
10.211	8.794	6.159	86.13	6.538	4.563	64.03	0.042545	16.6728	124.8280	12.62	22.10	1.751	30S
10.211	9.143	6.362	89.54	6.912	4.825	67.70	0.046297	18.1432	123.0673	12.65	21.84	1.727	28S
10.211	9.115	6.362	89.26	8.835	6.167	86.52	0.006648	2.6053	15.4195	12.67	2.74	0.216	44W
10.211	8.554	5.971	83.78	8.880	6.198	86.97	-0.006265	-2.4554	-17.9021	12.71	-3.19	-0.251	57W

DATE 750217 SYMAP STATION 72 CRUISE STATION 39 LATITUDE 40 16.00N LONGITUDE 73 38.00W
EMPERATURE INSITU 5.10 BATH 5.50 SALINITY 32.829 BOTTOM DO 9.75PPM 6.81ML/L 100% SATURATION 10.34PPM 7.24ML/L % SATUR 94.26

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.248	9.195	6.418	89.72	8.977	6.266	87.60	0.003362	1.3177	12.6451	12.00	2.12	0.177	8S
10.248	9.398	6.560	91.71	8.862	6.186	86.48	0.009149	3.5855	31.1326	12.03	5.24	0.435	1S
10.248	9.296	6.489	90.71	0.0	0.0	0.0	0.646863	254.2827	648862.5625	0.01	90.71	******	NO FIN DO 6S
10.248	9.159	6.393	89.38	9.234	6.446	90.11	-0.000466	-0.1825	-4.3011	12.25	-0.74	-0.060	12S
10.248	9.539	6.658	93.08	9.614	6.710	93.81	-0.002621	-1.0273	-4.2566	12.30	-0.73	-0.060	14W
10.248	9.117	6.364	88.97	9.418	6.574	91.90	-0.011012	-4.3154	-17.0015	12.33	-2.93	-0.238	20W

DATE 750217 SYMAP STATION 70 CRUISE STATION 40 LATITUDE 40 16.00N LONGITUDE 73 40.00W
EMPERATURE INSITU 5.61 BATH 5.50 SALINITY 32.941 BOTTOM DO 9.85PPM 6.88ML/L 100% SATURATION 10.21PPM 7.15ML/L % SATUR 96.44

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.240	9.284	6.460	90.66	8.678	6.057	84.75	0.009993	3.9161	34.0834	12.41	5.92	0.477	18S
10.240	8.601	6.004	84.00	9.389	6.553	91.69	-0.011584	-4.5398	-44.2263	12.43	-7.69	-0.619	32S
10.240	9.485	6.620	92.62	8.632	6.025	84.30	0.010050	3.9387	47.6246	12.50	8.33	0.666	45S
10.240	9.229	6.442	90.13	8.233	5.746	80.40	0.016182	6.3416	55.6017	12.51	9.73	0.778	29S

BENTHIC RESPIRATION CRU 7502

DATE 750217 SYMAP STATION 69 CRUISE STATION 41 LATITUDE 40 16.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 5.41 BATH 5.50 SALINITY 33.116 BOTTOM DO 10.00PPM 6.98ML/L 100% SATURATION 10.25PPM 7.18ML/L % SATUR 97.57

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.228	9.791	6.854	95.73	8.321	5.808	81.35	0.026782	10.4958	85.3445	12.03	14.38	1.195	36S
10.228	9.602	6.702	93.88	8.959	6.253	87.59	0.012690	4.9730	37.1784	12.07	6.29	0.521	46S
10.228	9.525	6.649	93.13	8.620	6.017	84.28	0.017576	6.8877	52.2158	12.10	8.85	0.731	43S
10.228	9.510	6.636	92.96	8.718	6.085	85.23	0.014353	5.6248	45.4363	12.17	7.75	0.636	48S

DATE 750217 SYMAP STATION 68 CRUISE STATION 42 LATITUDE 40 16.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 6.06 BATH 5.50 SALINITY 33.561 BOTTOM DO 9.65PPM 6.74ML/L 100% SATURATION 10.06PPM 7.05ML/L % SATUR 95.90

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.198	8.936	6.236	87.63	7.972	5.565	78.18	0.012429	4.8707	46.3718	14.51	9.45	0.651	PROBE 10A 10S
10.198	9.445	6.593	92.62	8.116	5.665	79.58	0.019246	7.5424	63.8865	14.53	13.04	0.898	2S
10.198	9.467	6.608	92.83	8.253	5.760	80.92	0.006472	2.5362	58.2528	14.55	11.91	0.818	20S
10.198	8.936	6.236	87.63	6.863	4.790	67.29	0.018964	7.4318	99.1451	14.60	20.34	1.393	27S
10.198	9.531	6.652	93.46	8.379	5.849	82.16	0.016851	7.3873	54.7847	14.67	11.29	0.770	40W
10.198	9.055	6.321	88.79	8.577	5.986	84.10	0.006190	2.4260	22.7738	14.67	4.69	0.320	39W

DATE 750217 SYMAP STATION 67 CRUISE STATION 43 LATITUDE 40 16.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 6.40 BATH 5.50 SALINITY 33.444 BOTTOM DO 9.20PPM 6.42ML/L 100% SATURATION 10.00PPM 7.00ML/L % SATUR 92.04

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.206	9.196	6.419	90.11	8.460	5.905	82.89	0.010585	4.1481	43.1775	11.90	7.21	0.606	7S
10.206	8.670	6.052	84.96	7.244	5.056	70.97	0.027572	10.8050	83.1340	11.98	13.98	1.167	11S
10.206	9.149	6.386	89.65	6.696	4.674	65.61	0.049559	19.4215	142.4811	12.02	24.04	2.000	AMPHAPOD 21S
10.206	8.970	6.261	87.89	5.900	4.118	57.81	0.049050	19.2223	177.5487	12.07	30.08	2.492	COR TOSMAL15S

DATE 750217 SYMAP STATION 74 CRUISE STATION 44 LATITUDE 40 13.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 5.50 BATH 5.50 SALINITY 33.081 BOTTOM DO 10.05PPM 7.01ML/L 100% SATURATION 10.23PPM 7.16ML/L % SATUR 98.24

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.231	9.301	6.492	90.91	9.394	6.557	91.82	-0.002139	-0.8383	-5.7126	11.37	-0.91	-0.080	5S
10.231	9.620	6.715	94.04	7.851	5.480	76.74	0.037079	14.5310	107.6882	11.47	17.30	1.508	4S
10.231	9.375	6.544	91.64	8.087	5.645	79.05	0.023193	9.0893	78.3462	11.48	12.60	1.097	17S
10.231	9.093	6.347	88.89	8.182	5.711	79.98	0.017990	7.0502	55.2032	11.52	8.91	0.773	22S

EMPERATURE TU 5.60 BATH 5.50 SALINITY 33.147 BOTTOM DO 10.05P .01ML/L 100% SATURATION 10.20PPM 7.14ML/L % SATUR

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.226	9.588	6.693	93.76	9.182	6.409	89.79	0.005614	2.1999	19.6943	14.40	3.97	0.276	13S
10.226	9.548	6.665	93.37	8.260	5.765	80.77	0.016775	6.5738	62.1630	14.47	12.60	0.871	30S
10.226	9.316	6.503	91.10	7.561	5.277	73.93	0.017609	6.6655	84.5174	14.50	17.17	1.184	1WN2S32AMP25S
10.226	9.460	6.603	92.51	8.354	5.831	81.69	0.015718	6.1597	52.9345	14.58	10.61	0.742	41S

DATE 750218 SYMAP STATION 76 CRUISE STATION 46 LATITUDE 40 13.00N LONGITUDE 73 46.00W

EMPERATURE INSITU 5.80 BATH 5.50 SALINITY 33.257 BOTTOM DO 9.80PPM 6.84ML/L 100% SATURATION 10.15PPM 7.11ML/L % SATUR 96.57

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.219	9.391	6.555	91.90	8.223	5.740	80.47	0.023612	9.2535	68.9526	11.82	11.43	0.967	6S
10.219	9.161	6.394	89.65	5.681	3.966	55.60	0.084961	33.2952	205.2937	11.83	34.05	2.878	8S
10.219	9.217	6.433	90.20	7.591	5.299	74.29	0.032687	12.8097	95.5039	11.88	15.91	1.339	12S
10.219	9.321	6.506	91.22	7.806	5.449	76.39	0.024605	9.6426	88.7256	11.92	14.83	1.244	9S
10.219	9.114	6.362	89.19	8.231	5.745	80.55	0.018565	7.2753	51.7086	11.93	8.65	0.725	19W
10.219	9.480	6.617	92.77	9.252	6.458	90.54	0.005350	2.0968	13.3152	11.95	2.23	0.187	32W

DATE 750218 SYMAP STATION 77 CRUISE STATION 47 LATITUDE 40 13.00N LONGITUDE 73 48.00W

EMPERATURE INSITU 6.30 BATH 5.50 SALINITY 33.506 BOTTOM DO 9.65PPM 6.74ML/L 100% SATURATION 10.02PPM 7.01ML/L % SATUR 96.35

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.202	9.206	6.426	90.24	7.037	4.912	68.98	0.043365	16.9943	125.6603	12.05	21.26	1.765	43S
10.202	9.287	6.482	91.03	6.653	4.644	65.22	0.031398	12.3044	151.9334	12.10	25.82	2.134	1PCLY 47S
10.202	8.614	6.012	84.44	5.568	3.886	54.58	0.025230	9.8874	175.2906	12.13	29.86	2.462	44S
10.202	8.455	5.902	82.88	6.025	4.206	59.06	0.033880	13.2773	139.3760	12.17	23.82	1.957	1PCLY 42S

DATE 750218 SYMAP STATION 78 CRUISE STATION 48 LATITUDE 40 13.00N LONGITUDE 73 50.00W

EMPERATURE INSITU 5.30 BATH 5.50 SALINITY 33.198 BOTTOM DO 9.75PPM 6.81ML/L 100% SATURATION 10.27PPM 7.19ML/L % SATUR 94.93

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.223	9.368	6.559	91.64	8.382	5.850	81.99	0.021146	8.2868	57.1283	12.05	9.65	0.801	29S
10.223	9.190	6.415	89.90	9.301	6.492	90.98	-0.001905	-0.7465	-6.4289	12.05	-1.09	-0.090	46S
10.223	9.062	6.325	88.64	8.296	5.790	81.15	0.015531	6.0866	44.2878	12.07	7.49	0.621	45S

BENTHIC RESPIRATION CRU[illegible]7502

DATE 750218 SYMAP STATION 80 CRUISE STATION 49 LATITUDE 40 13.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 5.00 BATH 5.50 SALINITY 32.575 BOTTOM DO 10.25PPM 7.15ML/L 100% SATURATION 10.39PPM 7.27ML/L % SATUR 98.69

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.265	9.715	6.731	94.64	8.633	6.026	84.10	0.014355	5.6258	59.4620	12.70	10.54	0.830	INSITUESTA 1S
10.265	10.137	7.076	98.76	9.542	6.660	92.96	0.009486	3.7175	32.7167	12.70	5.80	0.457	5S
10.265	9.908	6.916	96.52	4.501	3.142	43.85	0.075727	29.6768	295.5132	12.77	52.67	4.124	PROBE 10A 10S
10.265	10.172	7.100	99.10	4.951	3.456	48.23	0.074989	29.3876	276.5188	13.18	50.87	3.859	11S
10.265	10.341	7.218	100.74	9.432	6.583	91.88	0.024436	9.5764	48.0264	13.22	8.86	0.670	14W
10.265	9.717	6.782	94.66	8.517	5.945	82.97	0.024153	9.4653	63.3623	13.22	11.69	0.884	17W

DATE 750218 SYMAP STATION 82 CRUISE STATION 50 LATITUDE 40 13.00N LONGITUDE 73 58.00W
TEMPERATURE INSITU 4.70 BATH 5.50 SALINITY 32.205 BOTTOM DO 9.80PPM 6.84ML/L 100% SATURATION 10.48PPM 7.34ML/L % SATUR 93.47

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.290	10.010	6.967	97.28	9.080	6.338	88.23	0.018367	7.1978	53.1006	12.23	9.04	0.739	INSI WTRA022S
10.290	9.798	6.839	95.21	9.284	6.480	90.22	0.007800	3.0566	29.3042	12.25	5.00	0.408	15S

DATE 750218 SYMAP STATION 83 CRUISE STATION 51 LATITUDE 40 13.00N LONGITUDE 73 59.00W
TEMPERATURE INSITU 4.50 BATH 5.50 SALINITY 31.980 BOTTOM DO 9.75PPM 6.81ML/L 100% SATURATION 10.55PPM 7.39ML/L % SATUR 92.41

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	NO CORES 0S

DATE 750218 SYMAP STATION 42 CRUISE STATION 52 LATITUDE 40 22.00N LONGITUDE 73 52.00W
TEMPERATURE INSITU 5.40 BATH 5.50 SALINITY 32.723 BOTTOM DO 9.40PPM 6.56ML/L 100% SATURATION 10.28PPM 7.20ML/L % SATUR 91.45

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.255	9.455	6.600	92.21	8.439	5.890	82.29	0.016809	6.5872	58.1911	12.20	9.92	0.813	1POLY 20S
10.255	9.463	6.605	92.28	8.622	6.018	84.07	0.013256	5.1948	47.8410	12.28	8.21	0.668	1POLY 34S
10.255	8.932	6.234	87.10	8.506	5.937	82.95	0.007302	2.8614	24.2085	12.28	4.15	0.338	26S
10.255	8.991	6.276	87.68	8.377	5.847	81.68	0.010326	4.0467	34.8691	12.30	5.99	0.487	1POLY 16S

DATE 750218 SYMAP STATION 111 CRUISE STATION 53 LATITUDE 40 29.56N LONGITUDE 73 0.00W
TEMPERATURE INSITU 4.10 BATH 5.50 SALINITY 30.478 BOTTOM DO 10.10PPM 7.05ML/L 100% SATURATION 10.76PPM 7.53ML/L % SATUR 93.87

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.409	9.455	6.601	90.85	8.821	6.157	84.74	0.011753	4.6058	37.8626	11.72	6.11	0.521	27S
10.409	9.293	6.486	89.27	8.301	5.794	79.75	0.017479	6.8499	59.0061	11.73	9.53	0.812	21S

[illegible] 9.85PPM [illegible] 88ML/L 100% SATURATION 10.46PPM 7.32ML/L % SATUR

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.309	9.112	6.360	88.39	8.969	6.261	87.01	0.002366	0.9273	8.0987	12.30	1.36	0.113	41S
10.309	9.062	6.325	87.90	8.445	5.894	81.92	0.009183	3.5989	35.1509	12.25	5.98	0.489	25S
10.309	9.367	6.538	90.86	9.018	6.294	87.48	0.006384	2.5018	19.8951	12.25	3.39	0.276	TIME ESTAM16S
10.309	9.700	6.770	94.09	8.024	5.600	77.83	0.018344	7.1888	91.9756	12.72	16.26	1.278	WATER ADD 30S
10.309	9.408	6.567	91.26	8.353	5.831	81.03	0.026247	10.2861	59.5048	12.37	10.23	0.827	32M
10.309	9.224	6.439	89.48	8.985	6.272	87.16	0.003240	1.2698	13.4552	12.40	2.32	0.187	13M

DATE 750218 SYMAP STATION 60 CRUISE STATION 055 LATITUDE 40 19.00N LONGITUDE 73 58.00W
EMPERATURE INSITU 4.92 BATH 5.50 SALINITY 32.210 BOTTOM DO 9.70PPM 6.77ML/L 100% SATURATION 10.43PPM 7.30ML/L % SATUR 93.00

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.290	9.185	6.411	89.26	6.594	4.603	64.08	0.023449	9.1895	145.6127	12.42	25.18	2.027	2S
10.290	9.583	6.689	93.13	9.164	6.397	89.06	0.005650	2.2143	23.5241	12.42	4.07	0.328	4S
10.290	9.530	6.652	92.62	9.066	6.328	88.11	0.006746	2.6437	25.9059	12.50	4.51	0.361	9S
10.290	9.204	6.424	89.44	9.194	6.417	89.35	0.000138	0.0541	0.5286	12.58	0.09	0.007	7S
10.290	9.300	6.491	90.38	9.181	6.408	89.22	0.004140	1.6226	6.5618	12.62	1.15	0.091	12M
10.290	9.344	6.522	90.81	9.274	6.474	90.13	0.002409	0.9441	3.8295	12.67	0.68	0.053	8M

DATE 750216 SYMAP STATION 62 CRUISE STATION 056 LATITUDE 40 16.00N LONGITUDE 73 56.00W
EMPERATURE INSITU 5.00 BATH 5.50 SALINITY 31.926 BOTTOM DO 9.90PPM 6.91ML/L 100% SATURATION 10.43PPM 7.30ML/L % SATUR 94.91

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.309	9.311	6.499	90.32	9.285	6.481	90.06	0.000357	0.1401	1.5152	12.25	0.26	0.021	INSITU EST47S
10.309	9.363	6.536	90.82	9.259	6.463	89.82	0.002104	0.8246	5.9665	12.17	1.01	0.083	45S
10.309	9.610	6.708	93.22	8.730	6.094	84.68	0.013382	5.2444	50.1544	12.25	8.54	0.697	46S
10.309	9.426	6.579	91.43	8.814	6.152	85.49	0.008355	3.2742	34.6670	12.33	5.94	0.482	40S
10.309	9.001	6.283	87.31	9.020	6.296	87.49	-0.000564	-0.2212	-1.0363	12.37	-0.18	-0.014	42M
10.309	9.399	6.561	91.17	9.082	6.340	88.10	0.009749	3.8206	17.7911	12.42	3.07	0.247	44M

DATE 750218 SYMAP STATION 63 CRUISE STATION 057 LATITUDE 40 16.00N LONGITUDE 73 54.00W
EMPERATURE INSITU 5.10 BATH 5.50 SALINITY 32.574 BOTTOM DO 9.70PPM 6.77ML/L 100% SATURATION 10.36PPM 7.26ML/L % SATUR 93.62

00%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.265	9.363	6.539	91.26	9.165	6.397	89.28	0.003535	1.3852	11.0816	12.78	1.98	0.155	48S
10.265	9.422	6.577	91.79	8.847	6.175	86.18	0.010837	4.2470	31.3372	12.82	5.61	0.437	39S
10.265	9.611	6.709	93.63	8.965	6.257	87.33	0.010131	3.9700	35.1310	12.85	6.30	0.490	37S

BENTHIC RESPIRATION CRUI[illegible]502

DATE 750219 SYMAP STATION 64 CRUISE STATION 058 LATITUDE 40 16.00N LONGITUDE 73 52.00W
EMPERATURE INSITU 5.10 BATH 5.50 SALINITY 32.774 BOTTOM DO 10.15PPM 7.08ML/L 100% SATURATION 10.35PPM 7.25ML/L % SATUR 98.09

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.251	9.597	6.699	93.61	8.966	6.259	87.47	0.010226	4.0075	33.1564	13.27	6.15	0.463	1S
10.251	9.326	6.509	90.97	8.903	6.214	86.85	0.007320	2.8685	22.2266	13.27	4.12	0.311	10S
10.251	9.437	6.587	92.05	8.445	5.895	82.38	0.013615	5.3355	52.1747	13.27	9.68	0.729	11S
10.251	9.735	6.796	94.97	8.376	5.846	81.70	0.020613	8.0780	71.5011	13.28	13.27	0.999	17S

DATE 750219 SYMAP STATION 64 CRUISE STATION 059 LATITUDE 40 13.00N LONGITUDE 73 59.00W
EMPERATURE INSITU 4.50 BATH 5.50 SALINITY 31.520 BOTTOM DO 10.05PPM 7.01ML/L 100% SATURATION 10.58PPM 7.41ML/L % SATUR 94.96

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.337	9.423	6.573	91.16	8.575	5.985	82.95	0.012646	4.9558	48.8183	12.13	8.21	0.677	6S
10.337	9.516	6.644	92.06	8.352	5.830	80.80	0.017228	6.7514	66.6058	12.22	11.28	0.923	20S
10.337	9.355	6.530	90.50	8.723	6.088	84.38	0.003641	1.4267	35.8882	12.30	6.12	0.497	WATER ESTA15S
10.337	9.502	6.633	91.92	8.679	6.053	83.96	0.011071	4.3385	46.0924	12.47	7.97	0.639	19S
10.337	9.366	6.533	90.61	9.108	6.357	88.11	0.006207	2.4324	14.4051	12.53	2.50	0.200	20W
10.337	9.655	6.739	93.40	9.729	6.791	94.11	-0.001689	-0.6617	-4.1064	12.55	-0.71	-0.057	16W

DATE 750219 SYMAP STATION 85 CRUISE STATION 060 LATITUDE 40 10.00N LONGITUDE 73 58.00W
EMPERATURE INSITU 4.11 BATH 5.50 SALINITY 32.020 BOTTOM DO 9.85PPM 6.88ML/L 100% SATURATION 10.65PPM 7.45ML/L % SATUR 92.53

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.303	9.115	6.362	86.47	9.008	6.288	87.43	0.001350	0.5292	6.1037	12.27	1.04	0.085	21S
10.303	8.892	6.206	86.30	9.192	6.416	89.22	-0.010214	-4.0027	-17.0175	12.33	-2.92	-0.237	38S
10.303	9.338	6.553	91.12	8.541	5.961	82.89	0.012323	4.8293	47.5802	12.43	8.22	0.662	43S
10.303	9.630	6.840	95.12	8.412	5.872	81.65	0.021989	8.6174	77.9461	12.43	13.47	1.084	29S

DATE 750219 SYMAP STATION 94 CRUISE STATION 061 LATITUDE 40 10.00N LONGITUDE 73 40.00W
EMPERATURE INSITU 6.21 BATH 5.50 SALINITY 33.608 BOTTOM DO 9.40PPM 6.56ML/L 100% SATURATION 10.03PPM 7.02ML/L % SATUR 93.73

DO%SATU ATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.195	8.836	6.202	87.16	6.551	4.573	64.26	0.022798	8.9345	123.6597	13.18	22.90	1.738	25S
10.195	9.006	6.266	86.34	6.257	4.367	61.37	0.031624	12.3930	145.1635	13.22	26.97	2.040	13S
10.195	9.054	6.320	86.81	5.672	4.099	57.60	0.040602	15.9115	166.9748	13.30	31.21	2.346	18S
10.195	9.231	6.445	90.55	6.218	4.340	60.99	0.041222	16.1545	157.7792	13.33	29.56	2.217	CERIANTHUS30S

EMPERATURE [illegible]TU 4.55 BATH 5.50 SALINITY 32.540 BOTTOM DO 9.85P[illegible]88ML/L 100% SATURATION 10.50PPM 7.35ML/L % SATUR [illegible]

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.267	9.556	6.670	93.07	8.473	5.914	82.52	0.014472	5.6713	50.8477	14.87	10.55	0.710		7S
10.267	9.003	6.284	87.69	8.903	6.215	86.72	0.001566	0.6137	4.6882	14.85	0.97	0.065		2S
10.267	7.393	5.161	72.01	8.483	5.921	82.62	-0.054377	-21.3096	-168.9695	4.50	*****	-2.358	ACCIDSTROY	9S
10.267	9.396	6.560	91.53	8.978	6.267	87.44	0.006100	2.3904	19.5571	14.97	4.09	0.273		6S
10.267	9.315	6.502	90.73	8.624	6.159	85.94	0.009541	3.7389	22.8440	15.02	4.79	0.319	PRNR?	16W
10.267	9.233	6.444	89.92	9.092	6.347	88.56	0.002037	0.7982	6.5215	15.00	1.36	0.091		44W

DATE 750219 SYMAP STATION 8 CRUISE STATION 063 LATITUDE 40 31.00N LONGITUDE 73 40.00W

TEMPERATURE INSITU 4.00 BATH 5.50 SALINITY 32.447 BOTTOM DO 10.20PPM 7.12ML/L 100% SATURATION 10.64PPM 7.45ML/L % SATUR 95.64

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.274	9.432	6.564	91.81	8.987	6.273	87.48	0.005475	2.1457	20.0782	15.47	4.33	0.280		5S
10.274	9.660	6.743	94.03	9.248	6.455	90.02	0.005591	2.1909	18.5540	15.50	4.01	0.259		14S
10.274	9.724	6.737	94.65	8.770	6.121	85.36	0.011394	4.4650	42.8291	15.55	9.29	0.597		22S
10.274	9.603	6.703	93.47	9.717	6.782	94.58	-0.001546	-0.6057	-5.1305	15.52	-1.11	-0.072		46S

DATE 750219 SYMAP STATION 9 CRUISE STATION 064 LATITUDE 40 31.00N LONGITUDE 73 42.00W

TEMPERATURE INSITU 3.95 BATH 5.50 SALINITY 32.435 BOTTOM DO 10.05PPM 7.01ML/L 100% SATURATION 10.66PPM 7.46ML/L % SATUR 94.31

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.275	9.918	6.923	96.53	9.675	6.753	94.16	0.003932	1.5408	11.5352	14.72	2.37	0.161		47S
10.275	9.748	6.804	94.87	9.252	6.458	90.04	0.006477	2.5382	23.4647	14.75	4.83	0.327		40S
10.275	9.657	6.740	93.99	9.031	6.303	87.89	0.009639	3.7773	29.5591	14.78	6.09	0.412		37S
10.275	9.318	6.504	90.69	9.180	6.407	89.34	0.002099	0.8227	6.6249	14.52	1.34	0.092		39S

DATE 750219 SYMAP STATION 10 CRUISE STATION 065 LATITUDE 40 31.00N LONGITUDE 73 44.00W

TEMPERATURE INSITU 4.55 BATH 5.50 SALINITY 32.516 BOTTOM DO 10.10PPM 7.05ML/L 100% SATURATION 10.50PPM 7.35ML/L % SATUR 96.19

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS	
10.269	8.245	5.755	80.29	9.299	6.491	90.55	-0.004049	-1.5866	-109.3116	6.73	*****	-1.525	NO FIN VOLIUS	
10.269	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	DESTROYED	24S
10.269	9.192	6.416	89.51	8.768	6.120	85.38	0.007177	2.8124	25.2609	11.72	4.13	0.352		11S
10.269	9.572	6.682	93.22	8.638	6.029	84.11	0.012840	5.0318	55.6203	11.73	9.10	0.776		9S
10.269	9.496	6.628	92.47	9.195	6.418	89.54	0.006584	3.3639	17.8748	11.75	2.93	0.249		17W
10.269	9.147	6.384	89.07	9.587	6.692	93.36	-0.015260	-5.9801	-26.1140	11.77	-4.29	-0.364	IDOQUESTION	20W

DATE 750219 SYMAP STATION 11 CRUISE STATION 066 LATITUDE 40 31.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 4.73 BATH 5.50 SALINITY 32.509 BOTTOM DO 10.10PPM 7.05ML/L 100% SATURATION 10.46PPM 7.32ML/L % SATUR 96.59

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.270	9.619	6.714	93.66	9.306	6.496	90.62	0.006511	2.5515	18.3879	11.87	3.04	0.257	21S
10.270	8.794	6.138	85.63	8.945	6.243	87.10	-0.002840	-1.1128	-8.8616	11.87	-1.47	-0.124	23S
10.270	9.166	6.396	89.25	7.483	5.223	72.87	0.030321	11.8827	98.7066	11.90	16.39	1.377	15S

DATE 750220 SYMAP STATION 12 CRUISE STATION 067 LATITUDE 40 31.00N LONGITUDE 73 48.00W
TEMPERATURE INSITU 4.81 BATH 5.00 SALINITY 32.509 BOTTOM DO 10.05PPM 7.01ML/L 100% SATURATION 10.44PPM 7.31ML/L % SATUR 96.30

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.390	9.231	6.443	88.84	8.614	6.012	82.90	0.010615	4.1598	35.4742	12.15	5.94	0.489	FDOQUESTON32S
10.390	9.465	6.621	91.29	8.779	6.128	84.49	0.012635	4.9514	40.6008	12.15	6.80	0.560	FDOQUESTON33S
10.390	8.994	6.273	86.56	8.727	6.091	83.99	0.005343	2.0940	15.3418	12.15	2.57	0.212	41S
10.390	9.234	6.430	89.36	8.619	6.016	82.96	0.010119	3.9656	37.3568	12.42	6.40	0.515	34S
10.390	8.979	6.267	86.42	9.211	6.429	88.65	-0.007914	-3.1016	-13.0294	12.43	-2.23	-0.180	43W
10.390	9.394	6.557	90.41	7.900	5.514	76.04	0.026590	10.4203	83.5783	12.47	14.37	1.152	38W

DATE 750220 SYMAP STATION 13 CRUISE STATION 068 LATITUDE 40 31.00N LONGITUDE 73 50.00W
TEMPERATURE INSITU 5.10 BATH 5.00 SALINITY 32.532 BOTTOM DO 9.80PPM 6.84ML/L 100% SATURATION 10.36PPM 7.26ML/L % SATUR 94.56

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.389	9.092	6.346	87.52	8.429	5.883	81.14	0.009696	3.7997	31.4978	14.70	6.39	0.434	4S
10.389	9.147	6.385	88.05	8.193	5.719	78.87	0.014325	5.6140	44.6219	14.92	9.18	0.615	12S
10.389	9.042	6.311	87.04	8.017	5.596	77.17	0.017930	7.0267	47.9131	14.93	9.87	0.661	19S
10.389	9.062	6.325	87.23	8.643	6.033	83.20	0.006150	2.4099	19.3473	15.10	4.03	0.267	24S

DATE 750220 SYMAP STATION 15 CRUISE STATION 069 LATITUDE 40 31.00N LONGITUDE 73 54.00W
TEMPERATURE INSITU 5.20 BATH 5.00 SALINITY 32.497 BOTTOM DO 10.20PPM 7.12ML/L 100% SATURATION 10.34PPM 7.24ML/L % SATUR 98.62

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.391	8.811	6.150	84.79	8.671	6.052	83.45	0.001853	0.7263	6.6501	14.68	1.35	0.092	13S
10.391	9.197	6.419	88.51	7.823	5.460	75.28	0.016062	6.2944	65.2534	14.70	13.23	0.900	16S
10.391	9.048	6.315	87.07	6.792	4.741	65.36	0.024208	9.4868	94.3982	16.68	21.71	1.302	30S
10.391	9.498	6.630	91.41	8.410	5.870	80.94	0.012188	4.7764	51.4211	14.77	10.47	0.709	46S

TEMPERATURE [illegible]TU 3.42 BATH 5.00 SALINITY 32.104 BOTTOM DO 10.75P[illegible].50ML/L 100% SATURATION 10.82PPM 7.57ML/L % SATUR [illegible]

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.418	9.686	6.761	92.97	9.260	6.464	88.88	0.006873	2.6934	26.3137	11.29	4.09	0.362	45S
10.418	9.732	6.793	93.41	8.011	5.592	76.90	0.024578	9.6318	105.4505	11.39	16.52	1.450	42S
10.418	9.799	6.840	94.06	9.096	6.349	87.30	0.011552	4.5271	43.1185	11.39	6.75	0.593	40S
10.418	9.776	6.823	93.83	6.236	4.352	59.85	0.055171	21.6209	215.4292	11.47	33.98	2.962	40S
10.418	10.087	7.041	96.82	9.334	6.515	89.59	0.022270	8.7274	45.7321	11.50	7.23	0.629	37m
10.418	10.073	7.031	96.69	9.944	6.941	95.45	0.004119	1.6142	7.8114	11.53	1.24	0.107	39m

DATE 750220 SYMAP STATION 4 CRUISE STATION 71 LATITUDE 40 34.00N LONGITUDE 73 42.00W
TEMPERATURE INSITU 3.94 BATH 5.00 SALINITY 32.384 BOTTOM DO 10.10PPM 7.05ML/L 100% SATURATION 10.66PPM 7.47ML/L % SATUR 94.73

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.399	9.472	6.611	91.09	9.031	6.303	86.84	0.005992	2.3483	27.5115	11.20	4.25	0.379	29S
10.399	9.659	6.742	92.88	8.848	6.176	85.08	0.013179	5.1646	50.5284	11.20	7.80	0.696	27S
10.399	9.317	6.503	89.60	6.911	4.824	66.46	0.029669	11.6349	149.9495	11.20	23.14	2.066	26S
10.399	9.339	6.519	89.81	8.125	5.671	78.14	0.017012	6.6669	75.1878	11.27	11.67	1.036	22S

DATE 750220 SYMAP STATION 3 CRUISE STATION 72 LATITUDE 40 34.00N LONGITUDE 73 44.00W
TEMPERATURE INSITU 4.01 BATH 5.00 SALINITY 32.395 BOTTOM DO 10.45PPM 7.29ML/L 100% SATURATION 10.64PPM 7.45ML/L % SATUR 98.18

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.398	9.533	6.654	91.68	9.469	6.609	91.06	0.001323	0.5186	3.7785	11.79	0.61	0.052	2S
10.398	9.839	6.868	94.62	9.423	6.577	90.62	0.004455	1.7458	26.7989	10.83	4.00	0.369	6S
10.398	8.644	6.034	83.13	9.154	6.389	88.03	-0.008470	-3.3192	-32.7821	10.85	-4.90	-0.452	1S
10.398	9.750	6.806	93.77	9.012	6.291	86.67	0.012987	5.0893	47.3820	10.67	7.10	0.653	10S

DATE 750220 SYMAP STATION 1 CRUISE STATION 73 LATITUDE 40 34.00N LONGITUDE 73 46.00W
TEMPERATURE INSITU 4.00 BATH 5.00 SALINITY 32.198 BOTTOM DO 10.85PPM 7.57ML/L 100% SATURATION 10.66PPM 7.47ML/L % SATUR 101.78

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	O2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.412	9.206	6.426	88.42	0.0	0.0	0.0	0.115495	45.2612	320.8184	20.03	88.42	4.414	NO FIN DO 8S
10.412	9.365	6.537	89.95	8.975	6.265	86.20	0.004419	1.7319	13.4676	20.19	3.74	0.185	INCUB TIME 9S
10.412	9.460	6.603	90.86	9.011	6.289	86.54	0.004587	1.7974	15.4833	20.25	4.31	0.213	INCUB TIME14S
10.412	9.224	6.438	88.59	8.474	5.915	81.39	0.006915	2.7100	25.9144	20.19	7.20	0.357	INCUB TIME16S

BENTHIC RESPIRATION CR[illegible]07502

DATE 750220 SYMAP STATION 2 CRUISE STATION 74 LATITUDE 40 34.00N LONGITUDE 73 46.00W
TEMPERATURE IN SITU 4.20 BATH 5.00 SALINITY 32.196 BOTTOM DO 10.50PPM 7.33ML/L 100% SATURATION 10.61PPM 7.43ML/L % SATUR 98.96

100%SATU BATH PPM	INITAL DO PPM	INITAL DO ML/L	% SATU RATION	FINAL DO PPM	FINAL DO ML/L	% SATU RATION	C2 CONSUMED /CORE/HR	C2 CONSUMED /METER SQ/HR	O2 CONSUMED /METER CUBE/HR	TIME RUN	PERCENT CHANGE	%CHANGE / HOUR	COMMENTS
10.412	9.316	6.502	89.47	9.168	6.400	88.06	0.001687	0.6610	5.5151	18.65	1.42	0.076	INCUB TIME20S
10.412	8.741	6.101	83.95	8.770	6.121	84.23	-0.000377	-0.1478	-1.0596	18.70	-0.27	-0.015	INCUB TIME15S
10.412	9.674	6.752	92.91	8.927	6.231	85.74	0.009766	3.8272	27.8327	18.71	7.17	0.383	INCUB TIME23S
10.412	9.578	6.685	91.99	8.295	5.790	79.67	0.015505	6.0764	47.7908	18.73	12.32	0.658	INCUB TIME25S
10.412	10.105	7.053	97.05	8.501	5.934	81.64	0.021100	8.2688	59.6563	18.77	15.41	0.821	INCUB TIME33M
10.412	10.043	7.013	96.50	9.327	6.510	89.58	0.008726	3.4197	26.7645	18.79	6.92	0.368	INCUB TIME54M

Table XVIII

Fish and shellfish collected on monthly New York Bight cruises (June 1974 - May 1975) in the proposed alternate dumpsite areas.

Common Name	Scientific Name
Smooth dogfish	*Mustelus canis*
Spiny dogfish	*Squalus acanthias*
Little skate	*Raja erinacea*
Big skate	*Raja ocellata*
American eel	*Anguilla rostrata*
Snake eel	*Pisodonophis cruentifer*
Blueback herring	*Alosa aestivalis*
Alewife	*Alosa pseudoharengus*
American shad	*Alosa sapidissima*
Atlantic herring	*Clupea harengus harengus*
Round herring	*Etrumeus teres*
Inshore lizardfish	*Synodus foetens*
Goosefish	*Lophius americanus*
Fourbeard rockling	*Enchelyopus cimbrius*
Atlantic cod	*Gadus morhua*
Pollock	*Pollachius virens*
Silver hake	*Merluccius bilinearis*
Red hake	*Urophycis chuss*
Spotted hake	*Urophycis regius*
White hake	*Urophycis tenuis*
Ocean pout	*Macrozoarces americanus*
Lined seahorse	*Hipposcampus erectus*
Northern pipefish	*Syngnathus fuscus*
Black sea bass	*Centropristis striata*
Round scad	*Decapterus punctatus*
Scup	*Stenotomus chrysops*
Cunner	*Tautogolabrus adspersus*
Rock gunnel	*Pholis gunnellus*
American sand lance	*Ammodytes americanus*
Atlantic mackerel	*Scomber scombrus*
Butterfish	*Peprilus triacanthus*
Northern searobin	*Prionotus carolinus*
Striped searcbin	*Prionotus evolans*
Sea raven	*Hemitripterus americanus*
Longhorn sculpin	*Myoxocephalus octodecemspinosus*
Gulf Stream flounder	*Citharichthys arctifrons*
Etropus sp.	*Etropus* sp.
Summer flounder	*Paralichthys dentatus*
Fourspot flounder	*Paralichthys oblongus*
Windowpane	*Scophthalmus aquosus*
Left-eyed flounder Uncl.	*Bothidae* sp.
Witch flounder	*Glyptocephalus cynoglossus*
Yellowtail flounder	*Limanada ferruginea*
Winter flounder	*Pseudopleuronectes americanus*
Planehead filefish	*Monacanthus hispidus*
Scallops	*Placopecten mageleanus*

Table XVIII. Continued

Common Name	Scientific Name
Crabs Uncl.	*Brachyura* sp.
Jonah crab	*Cancer borealis*
Rock crab	*Cancer irroratus*
Squid Uncl.	*Teuthidida* sp.
Loligo	*Loligo pealei*
Illex	*Illex illecebrosus*
Lobster	*Homarus americanus*

Table XIV

Species occurrence in the high carbon area

Common Name	Scientific Names
Smooth dogfish	Mustelus canis
Spiny dogfish	Squalus acanthias
Clearnose skate	Raja eglanteria
Little skate	Raja erinacea
Atlantic stingray	Dasyatis sabina
Atlantic sturgeon	Acipenser oxyrhynchus
Blueback herring	Alosa mediocris
Alewife	Alosa pseudoharengus
Atlantic shad	Alosa sapidissima
Atlantic menhaden	Brevoortia tyrannus
Round herring	Etrumeus teres
Bay anchovy	Anchoa mitchilli
Snakefish	Synodus synodus
Goosefish	Lophius americanus
Fourbeard rockling	Enchelyopus cimbrius
Haddock	Melanogrammus aeglefinus
Silver hake	Merluccius bilinearis
Red hake	Urophycis chuss
Spotted hake	Urophycis regius
Striped cusk eel	Rissola marginata
Ocean pout	Macrozoarces americanus
Atlantic silverside	Menidia menidia
Northern pipefish	Syngnathus fuscus
Striped bass	Morone saxatilis
Black sea bass	Centropristis striata
Bluefish	Pomatomus saltatrix
Atlantic moonfish	Vomer setapinnis
Scup	Stenotomus chrysops
Silver perch	Bairdiella chrysura
Weakfish	Cynoscion regalis
Spot	Leiostomus xanthurus
Northern kingfish	Menticirrhus saxatilis
Tautog	Tautoga onitis
Cunner	Tautogolabrus adspersus
Northern sennet	Sphyraena borealis
Radiated shanny	Ulvaria subbifurcata
American sand lance	Ammodytes americanus
Atlantic mackerel	Scomber scombrus
Butterfish	Peprilus triacanthus
Northern sea robin	Prionotus carolinus
Striped sea robin	Prionotus evolans
Longhorn sculpin	Myoxocephalus octodecemspinosus
Gulf Stream flounder	Citharichthys arctifrons
Summer flounder	Paralichthys dentatus
Fourspot flounder	Paralichthys oblongus
Windowpane	Scophthalmus aquosus

Table XIX . Continued

Common Name	Scientific Name
Yellowtail flounder	*Limanda ferruginea*
Winter flounder	*Glyptocephalus cynoglossus*
Hogchoker	*Trinectes maculatus*
Black cheek tonguefish	*Symphurus plagiusa*
Orange filefish	*Aluterus schoepfi*
Planehead filefish	*Monacanthus hispidus*
Northern puffer	*Sphoerides maculatus*
Jonah Crab	*Cancer borealis*
Rock crab	*Cancer irroratus*
Loligo	*Loligo pealei*
Illex	*Illex illecebrosus*
Lobster	*Homarus americanus*

Table XX

Finfish samples from present high carbon and alternate dump site areas.

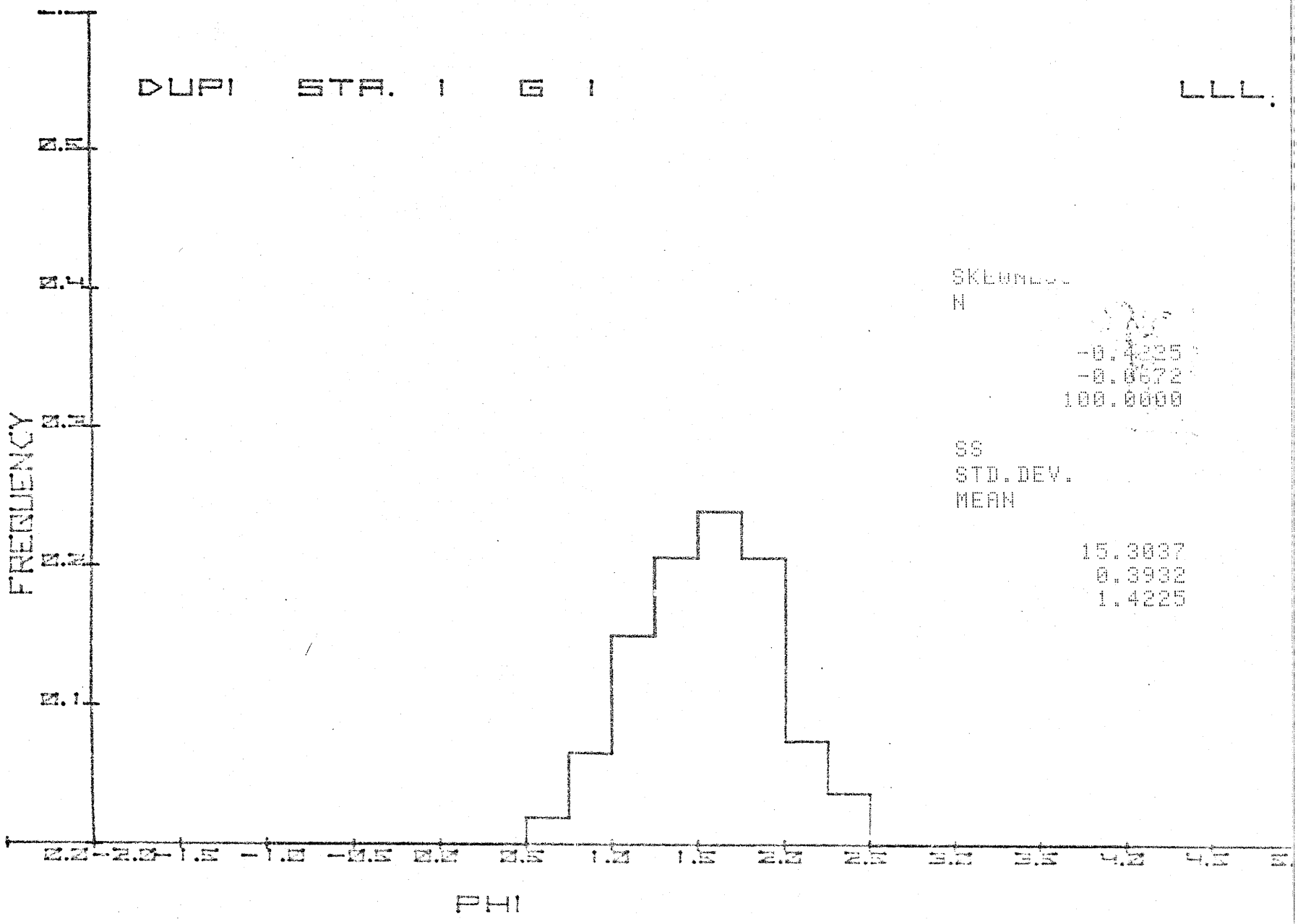
A. Present Dump Site

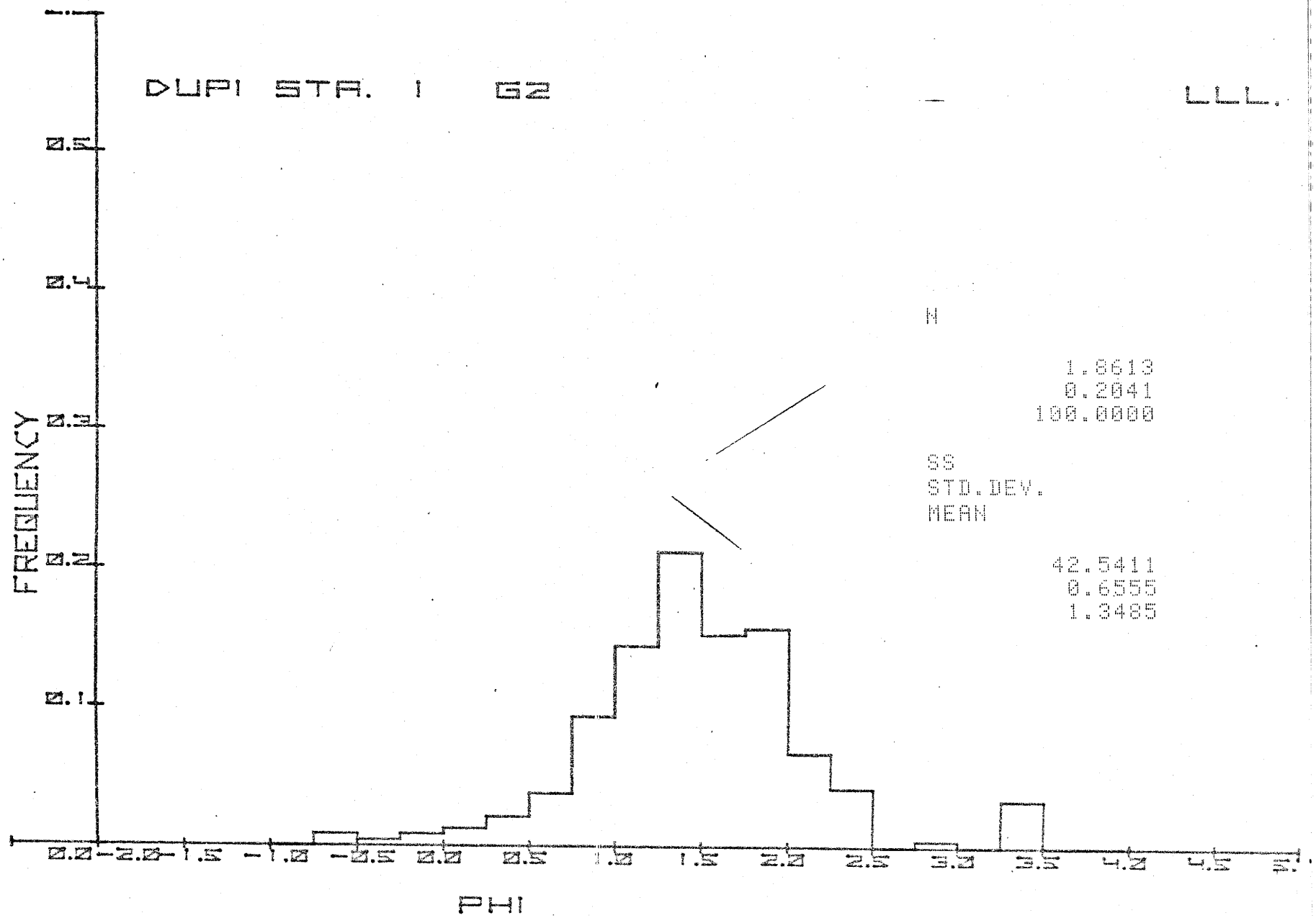
Cruise	Code	
Atlantic Twin	732	May 8 - June 4, 1973
Albatross IV	734	July 29 - Aug. 2, 1973
Atlantic Twin	373	Oct. 1 - Nov. 7, 1973
Albatross IV	174	Feb. 2 - 5, 1974
Atlantic Twin	274	April 1 - May 2, 1974
Delaware II	374	June 3 - 7, 1974
"	774	July 24 - 29, 1974
"	874	Aug. 16 - 21, 1974
"	974	Sept. 23 - 28, 1974
"	462	Sept. 28 - Oct. 4, 1974
"	463	Oct. 22 - 28, 1974
"	464	Nov. 18 - 25, 1974

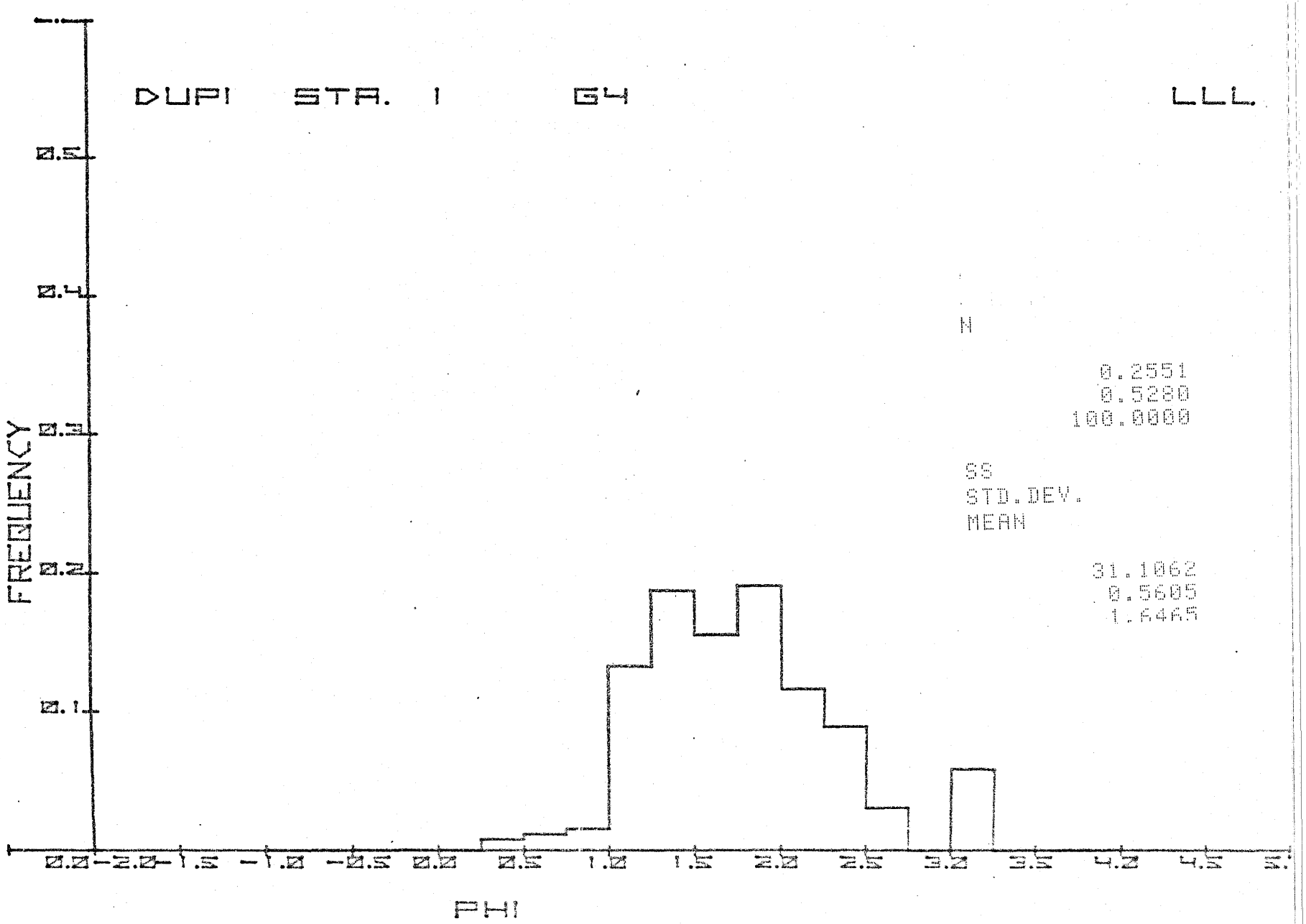
B. Alternate Dump Site Areas

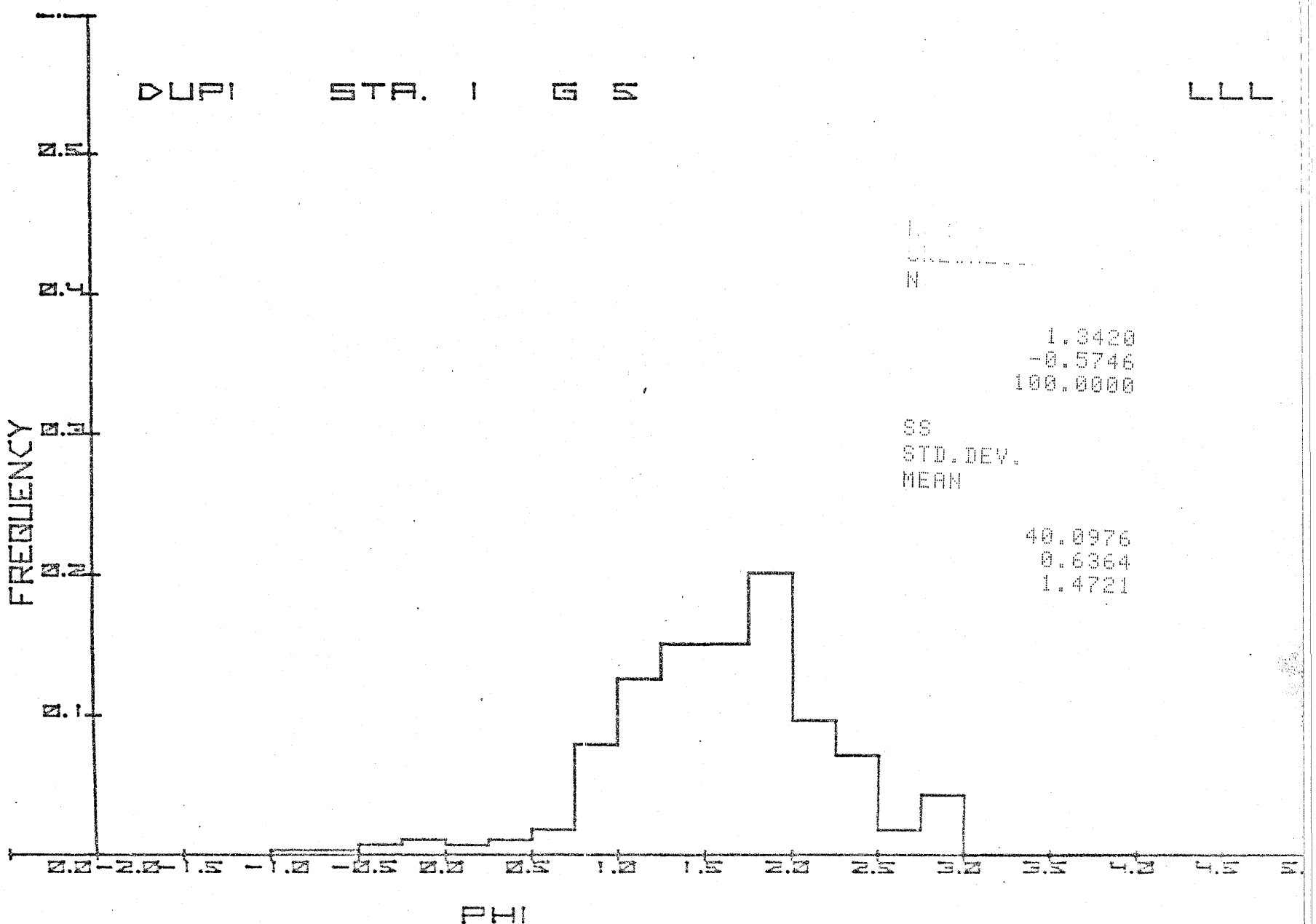
Delaware II	774	July 24 - 29, 1974
"	874	Aug. 16 - 21, 1974
"	974	Sept. 23 - 28, 1974
"	463	Oct. 22 - 28, 1974
"	464	Nov. 18 - 25, 1974
"	175	Jan. 31 - Feb. 6, 1975
Albatross IV	753	March 4 - 21, 1975
"	475	April 1 - 10, 1975
Delaware II	575	May 5 - 13, 1975
"	435	June 2 - 9, 1975

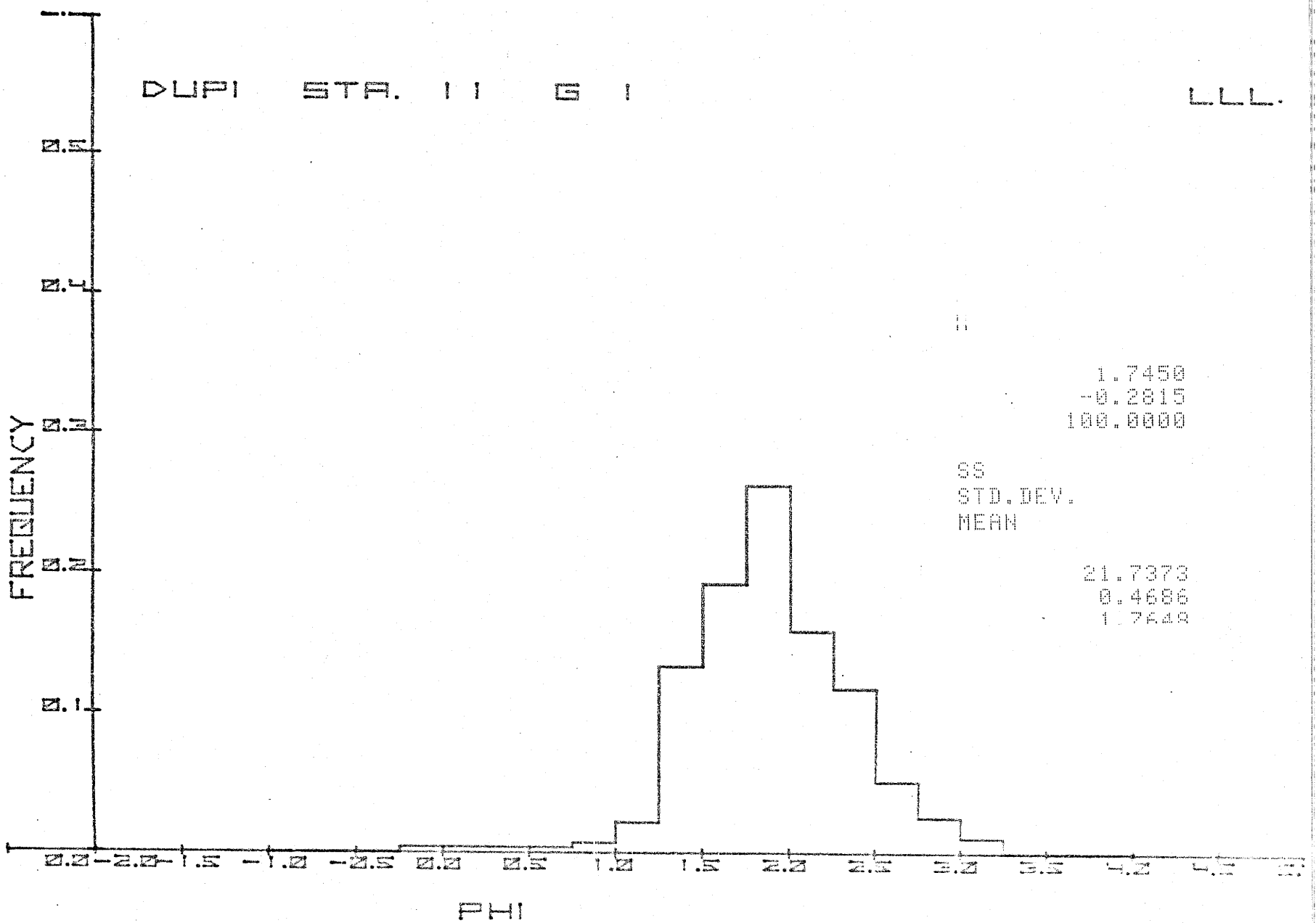
Appendix A. Graphic depiction of grain size distribution in samples collected at stations located in the proposed interim alternate disposal sites and analyzed by the Marine Geology and Geochemistry Laboratory, Atlantic Oceanographic and Meteorological Laboratories.

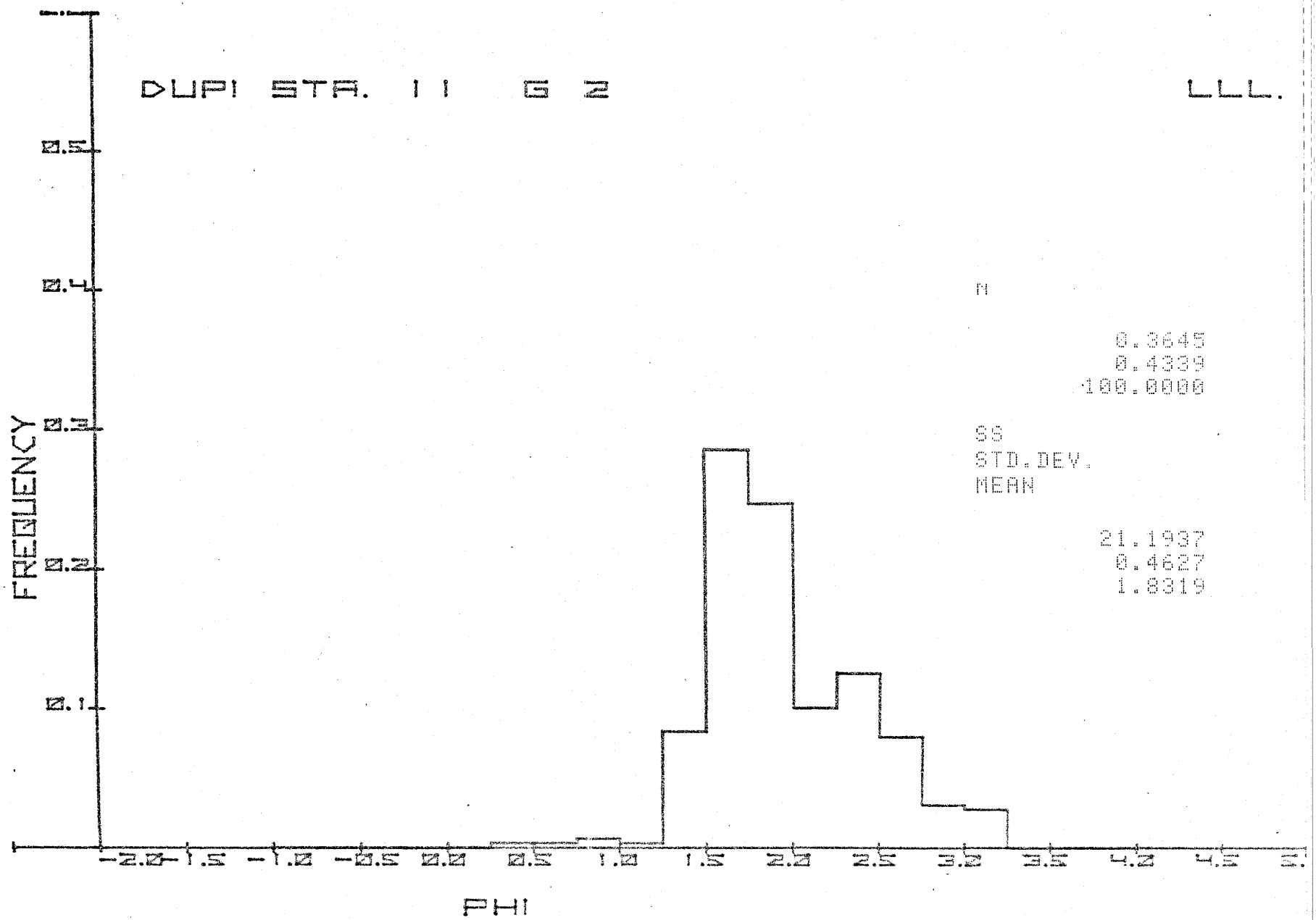

DUPI STA. 1 G 1
LLL.
SKEWNESS
N
-0.4225
-0.0672
100.0000
SS
STD.DEV.
MEAN
15.3037
0.3932
1.4225
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.2 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5
PHI

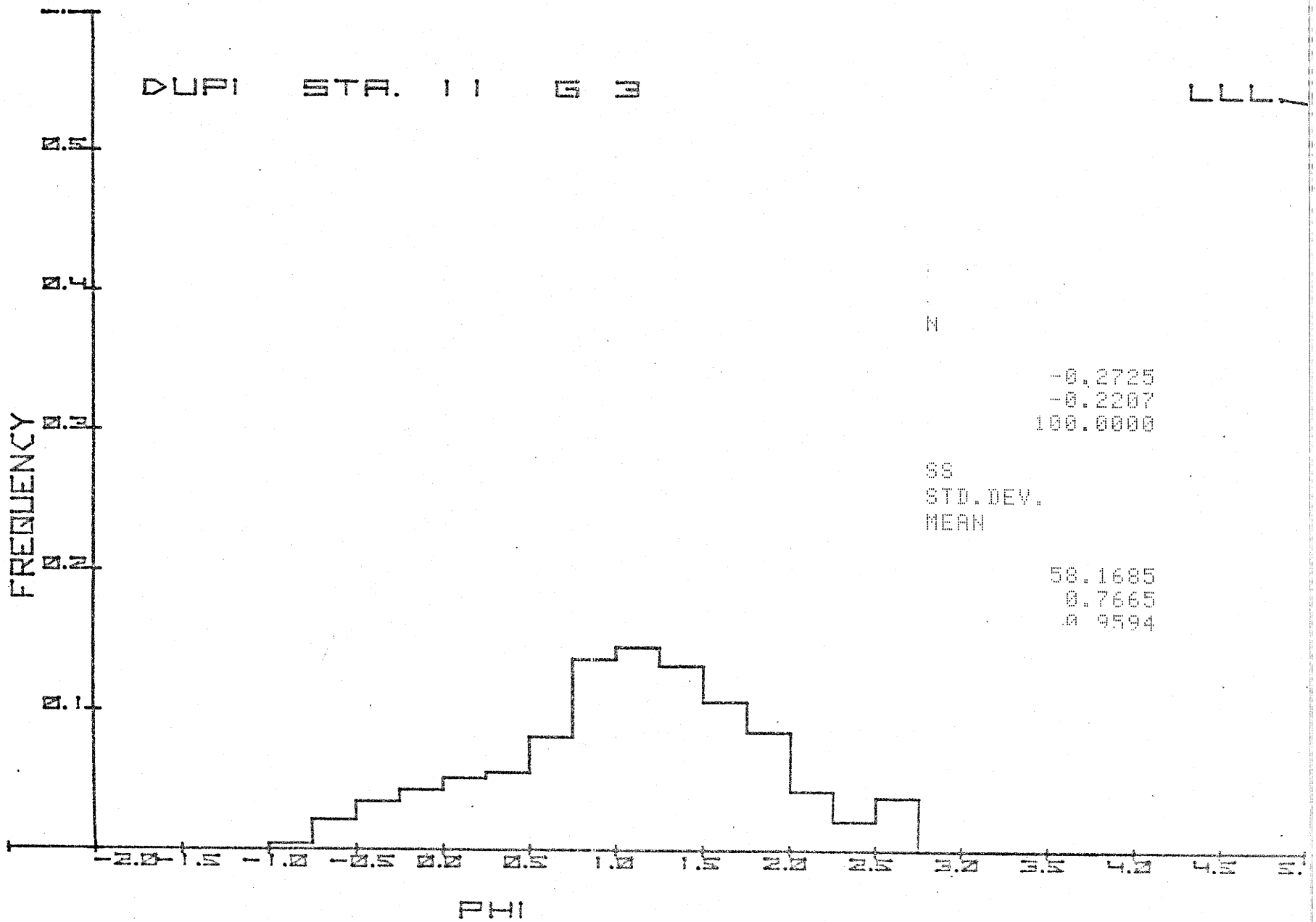

DUPI STA. 1 G2
LLL.
N
1.8613
0.2041
100.0000
SS
STD.DEV.
MEAN
42.5411
0.6555
1.3485
FREQUENCY
0.1
0.2
0.3
0.4
0.5
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI

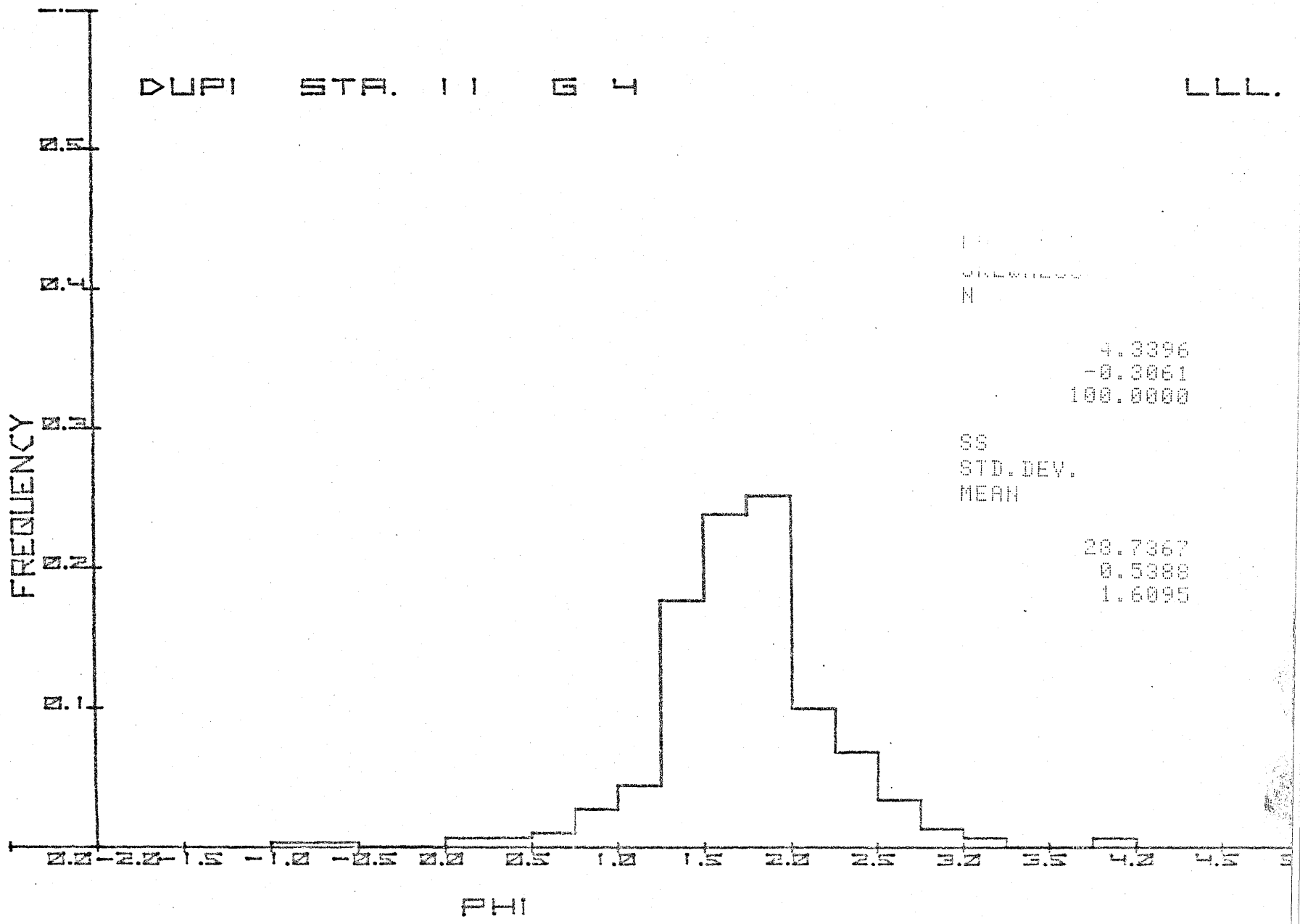

DUPI STA. 1 G4
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
0.2551
0.5280
100.0000
SS
STD.DEV.
MEAN
31.1062
0.5605
1.6465
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI

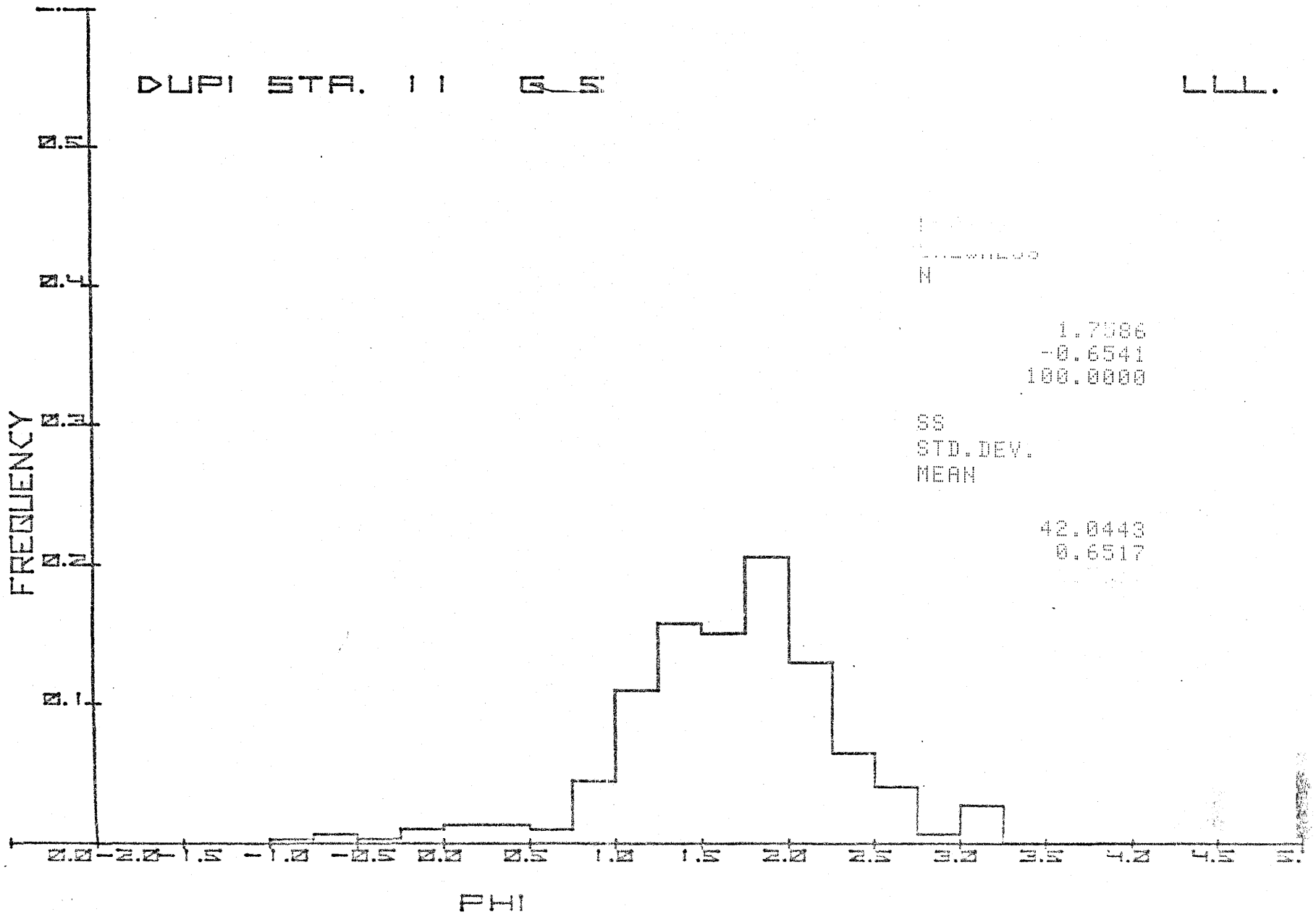

DUPI STA. 1 G S
LLL
N
1.3420
-0.5746
100.0000
SS
STD.DEV.
MEAN
40.0976
0.6364
1.4721
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

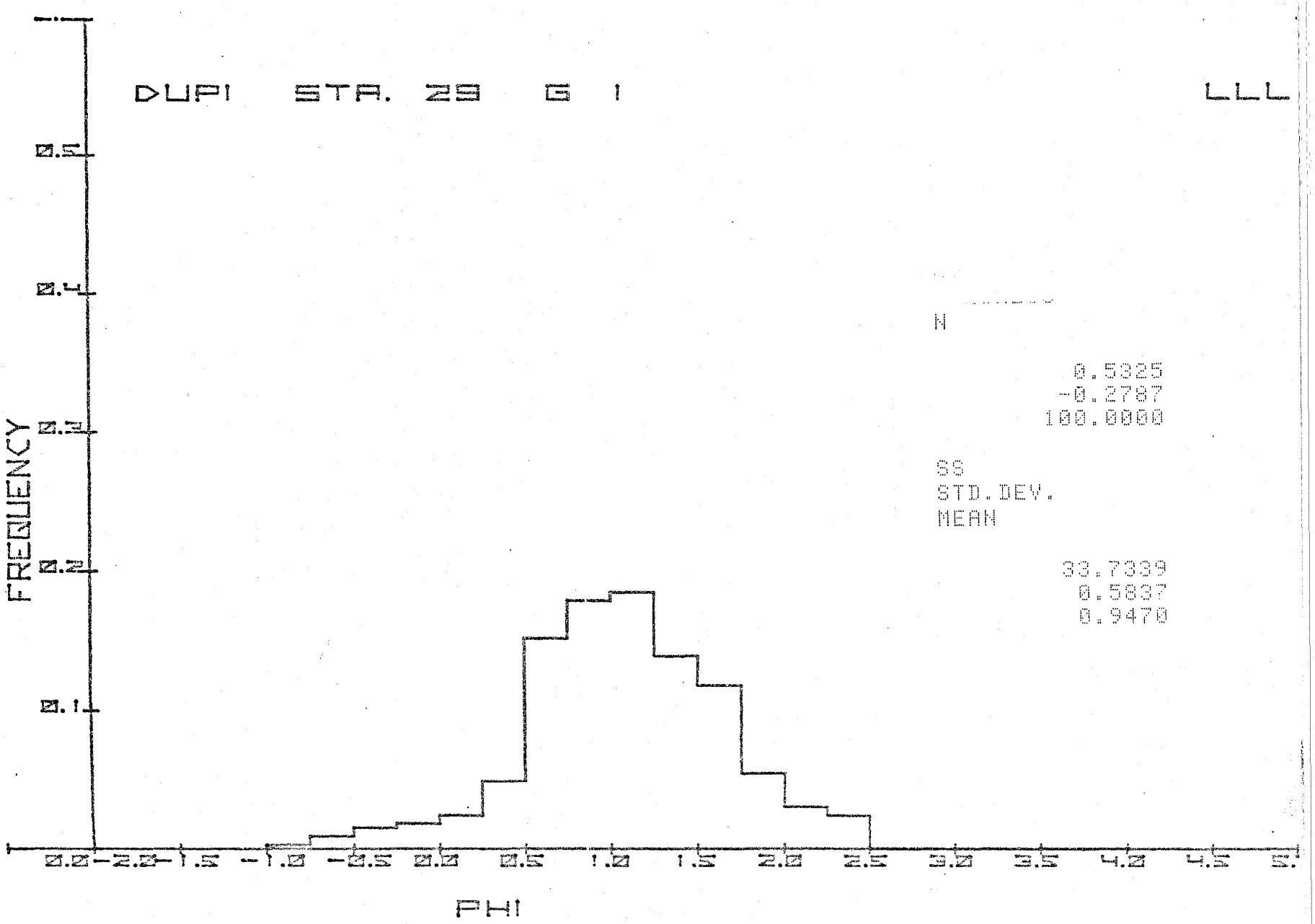

DUPI STA. 11 G 1
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
1.7450
-0.2815
100.0000
SS
STD.DEV.
MEAN
21.7373
0.4686
1.7648
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
PHI

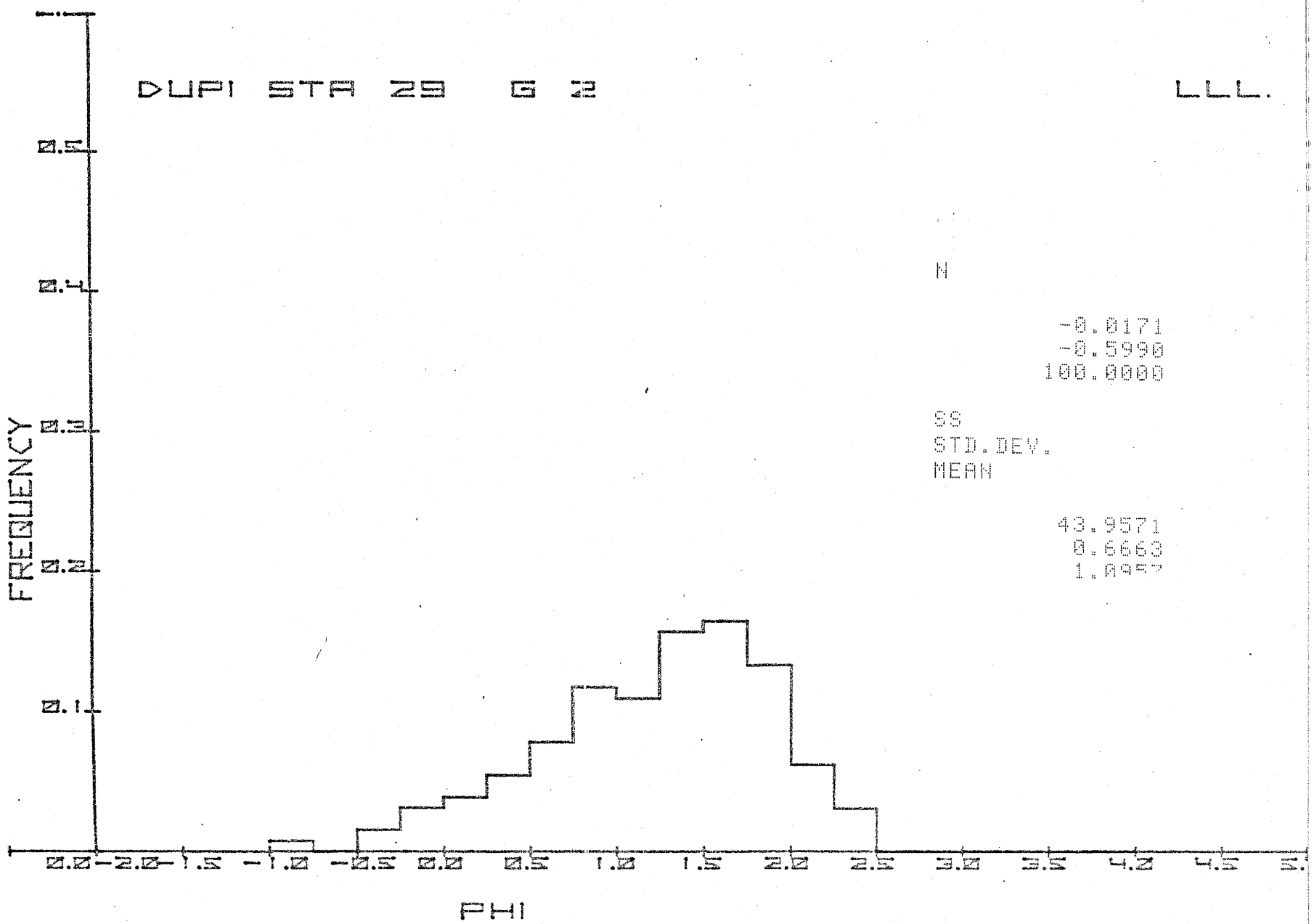

DUPI STA. 11 G 2
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
PHI
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5
M
0.3645
0.4339
100.0000
SS
STD.DEV.
MEAN
21.1937
0.4627
1.8319


DUP1 STA. 11 G 3
FREQUENCY
0.1
0.2
0.3
0.4
0.5
PHI
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
N
-0.2725
-0.2207
100.0000
SS
STD.DEV.
MEAN
58.1685
0.7665
0.9594


DUPI STA. 11 G 4
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
4.3396
-0.3061
100.0000
SS
STD.DEV.
MEAN
28.7367
0.5388
1.6095
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5
PHI

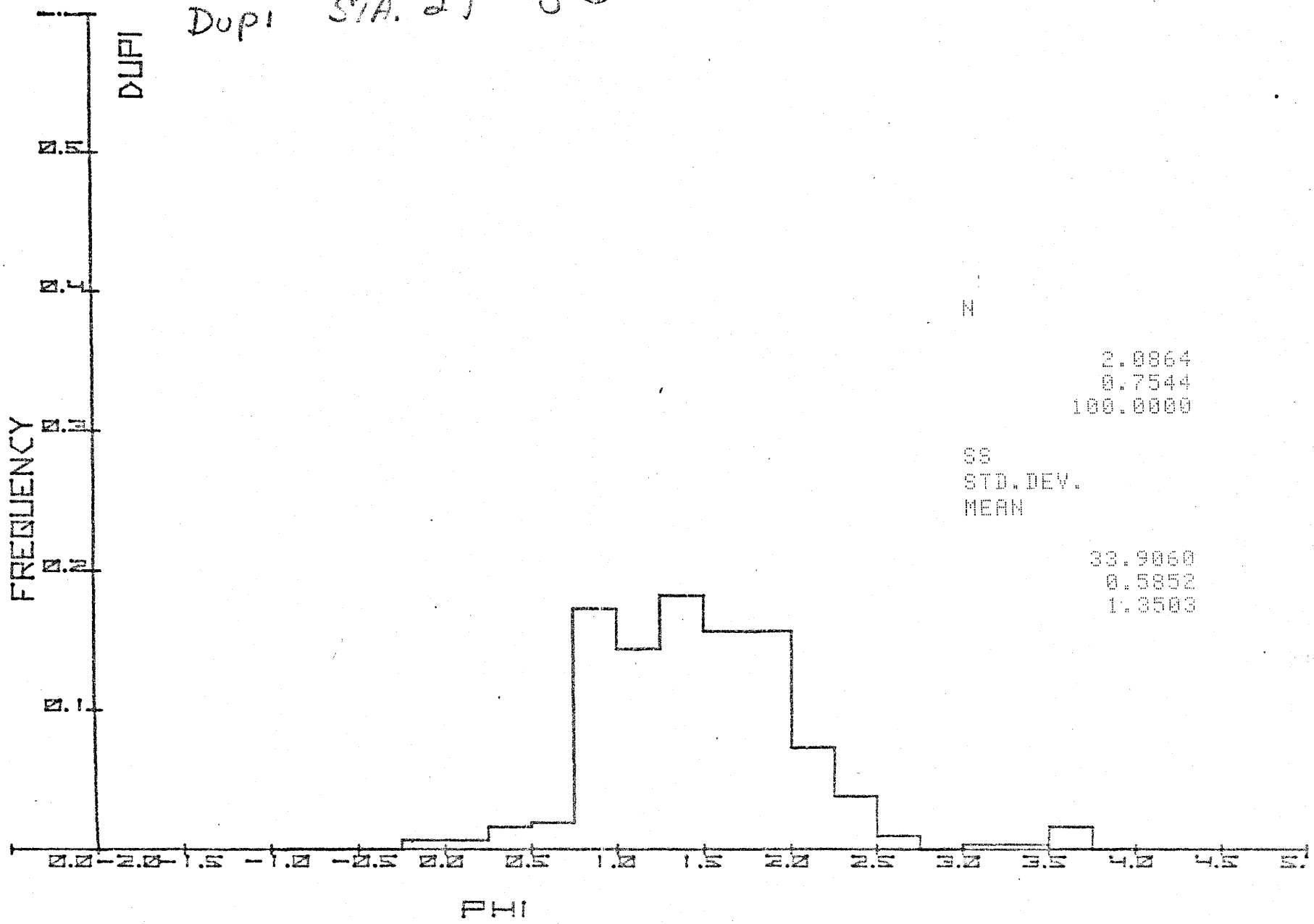

DUPI STA. 11 G-5
LLL.
N
1.7086
-0.6541
100.0000
SS
STD.DEV.
MEAN
42.0443
0.6517
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

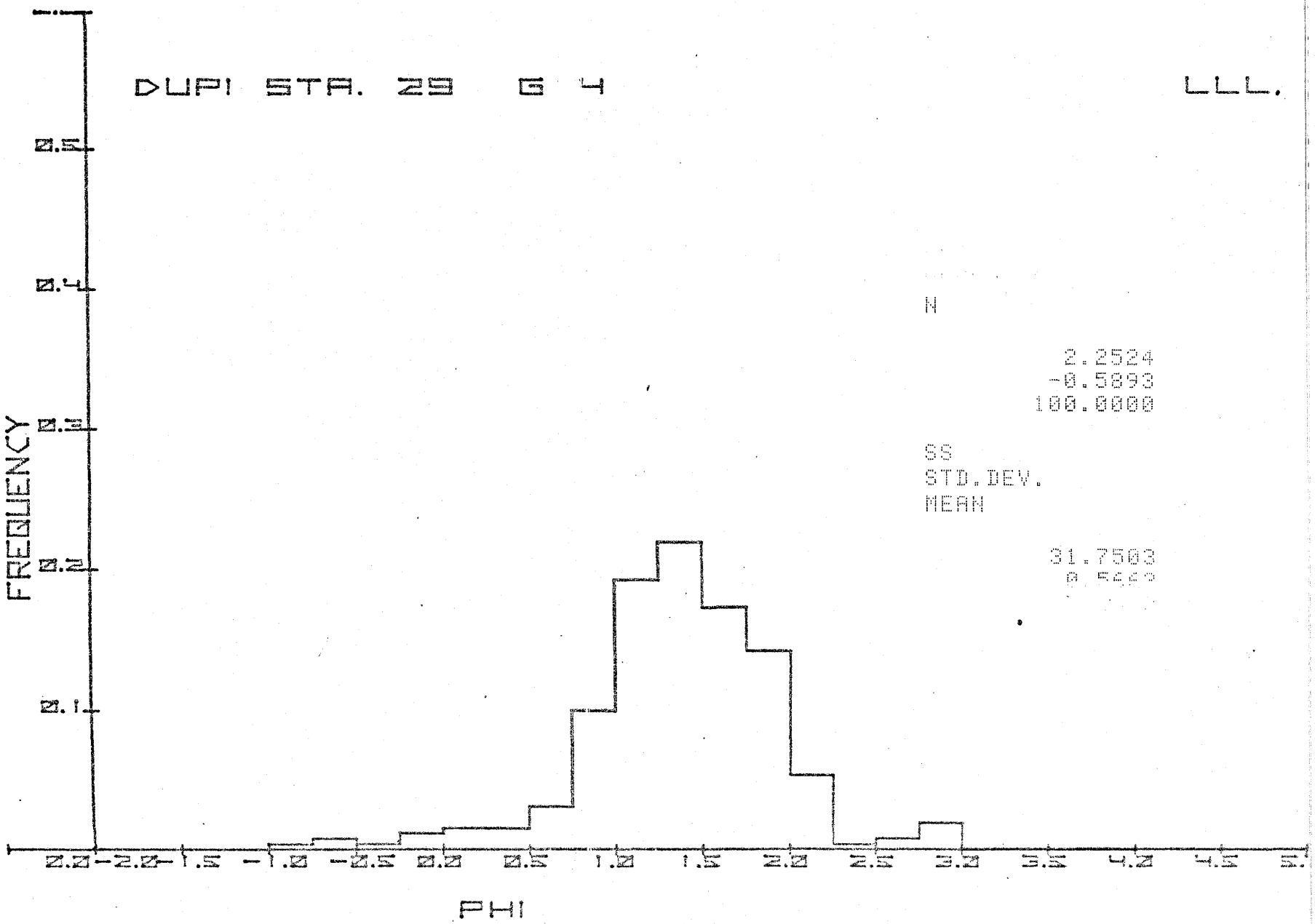

DUPI STA. 29 G 1
LLL
N
0.5325
-0.2787
100.0000
SS
STD.DEV.
MEAN
33.7339
0.5837
0.9470
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI


DUPI STA 29 G 2
LLL.
N
-0.0171
-0.5990
100.0000
SS
STD.DEV.
MEAN
43.9571
0.6663
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
PHI

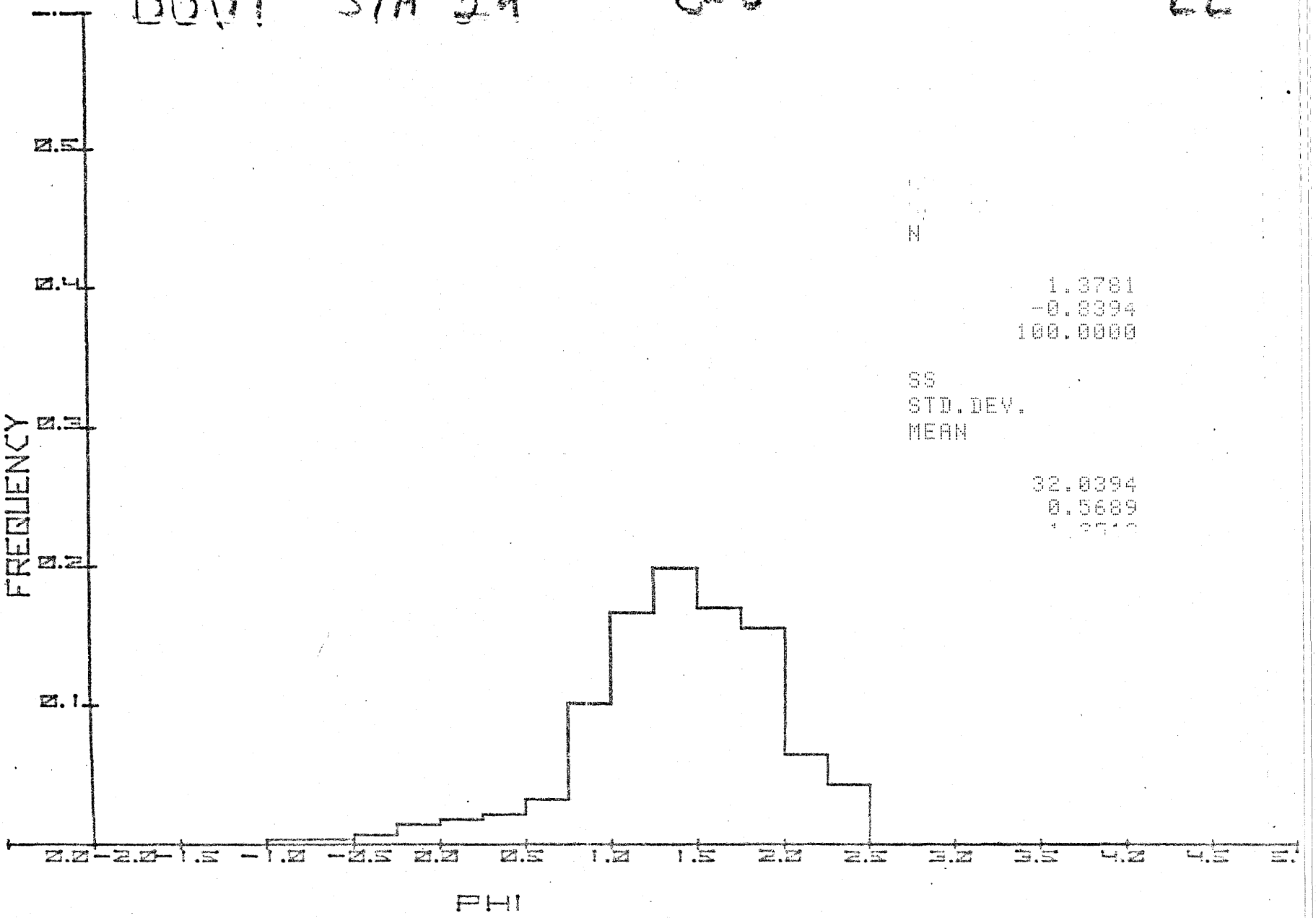
L.L.

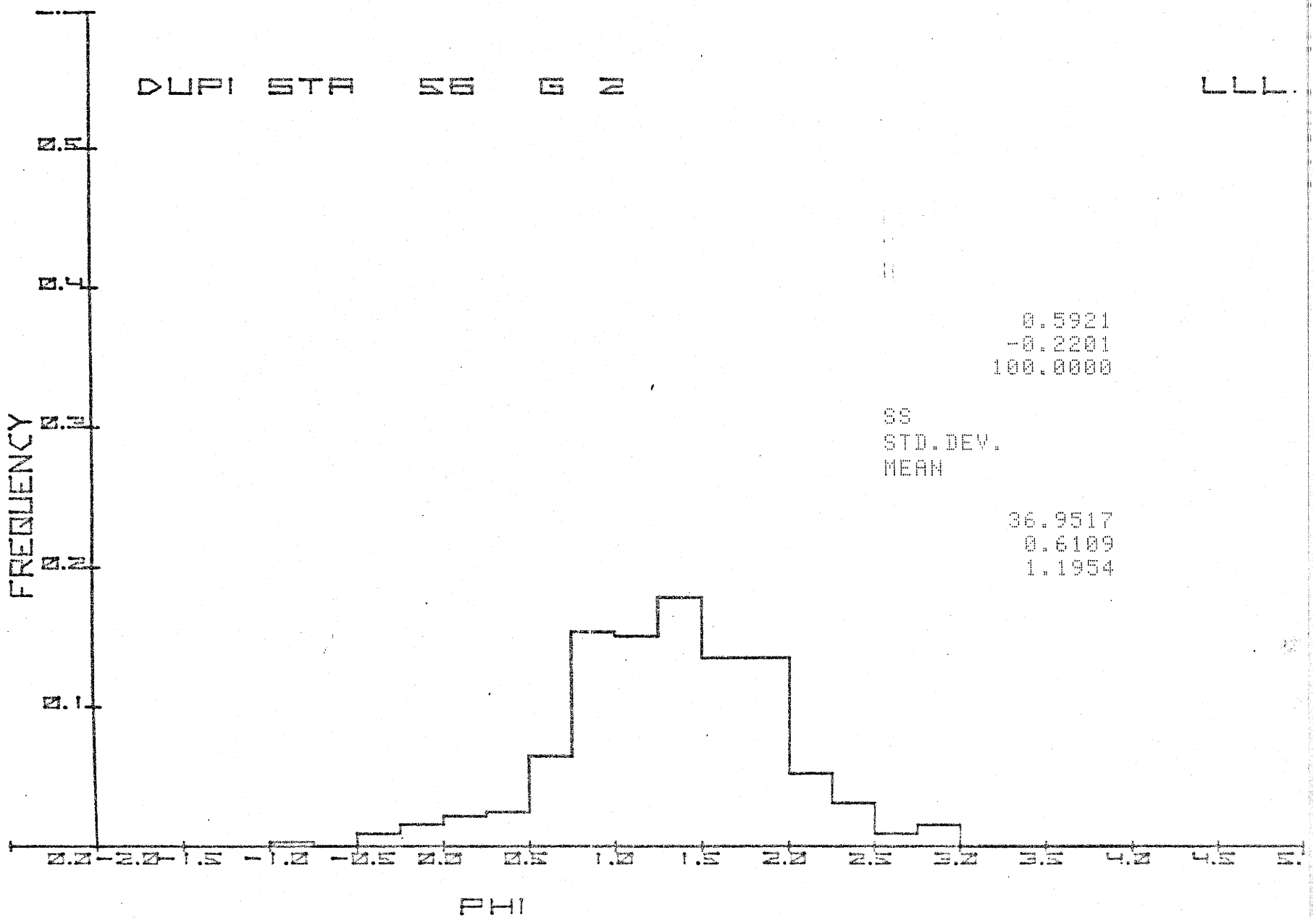
Dup1 STA. 29 G-3

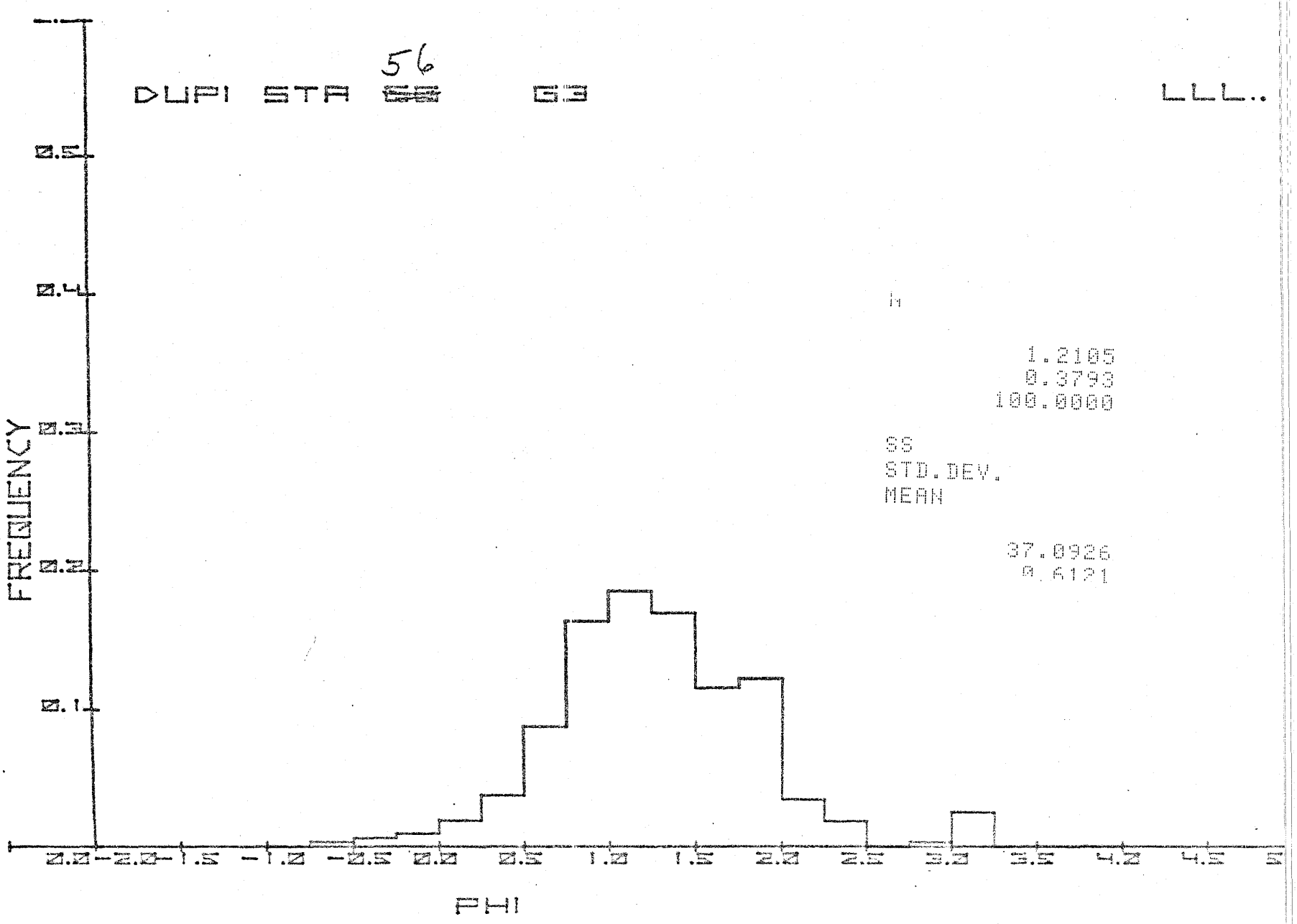


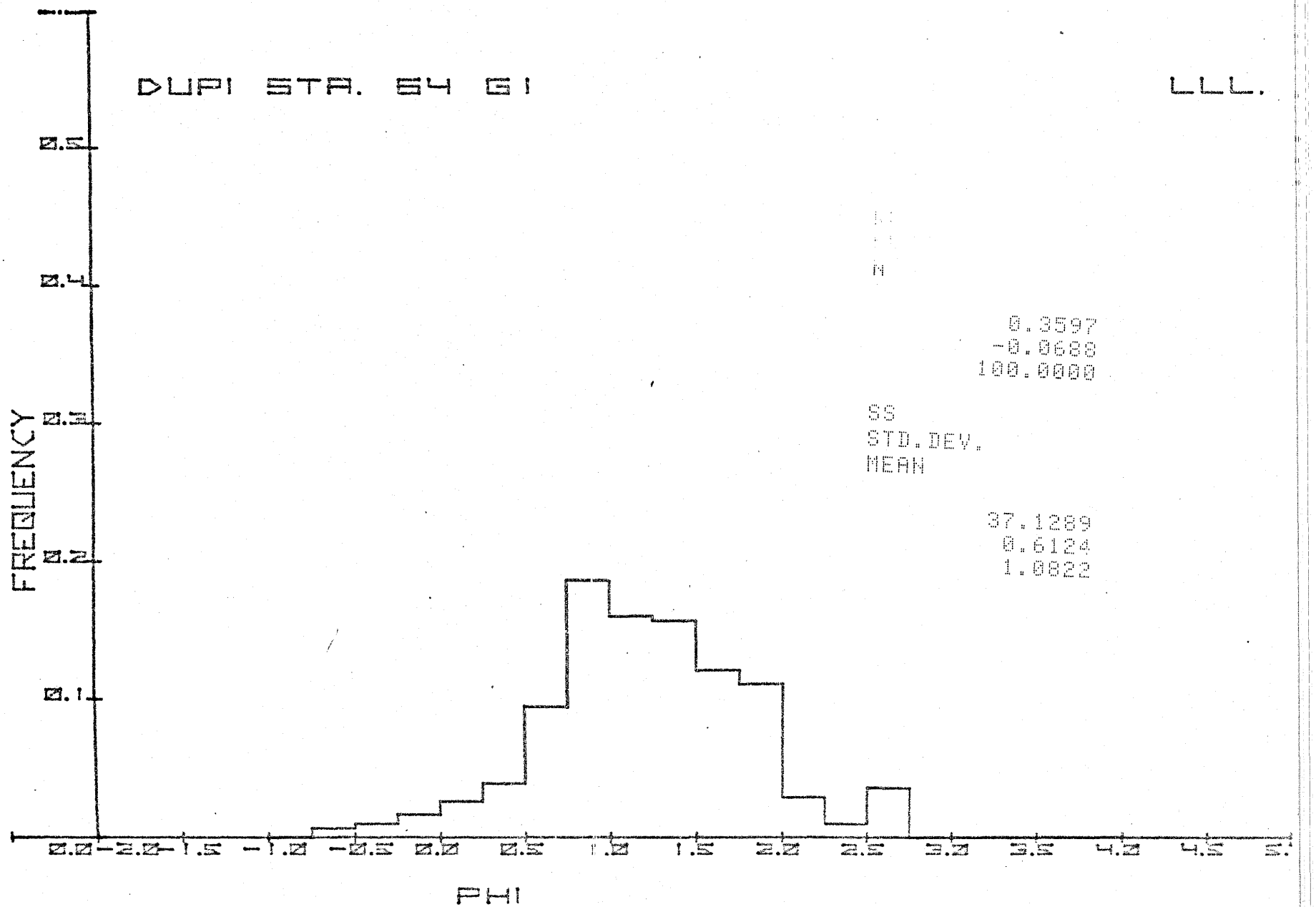

DUPI STA. 29 G 4
LLL.
N
2.2524
-0.5893
100.0000
SS
STD.DEV.
MEAN
31.7503
FREQUENCY
PHI

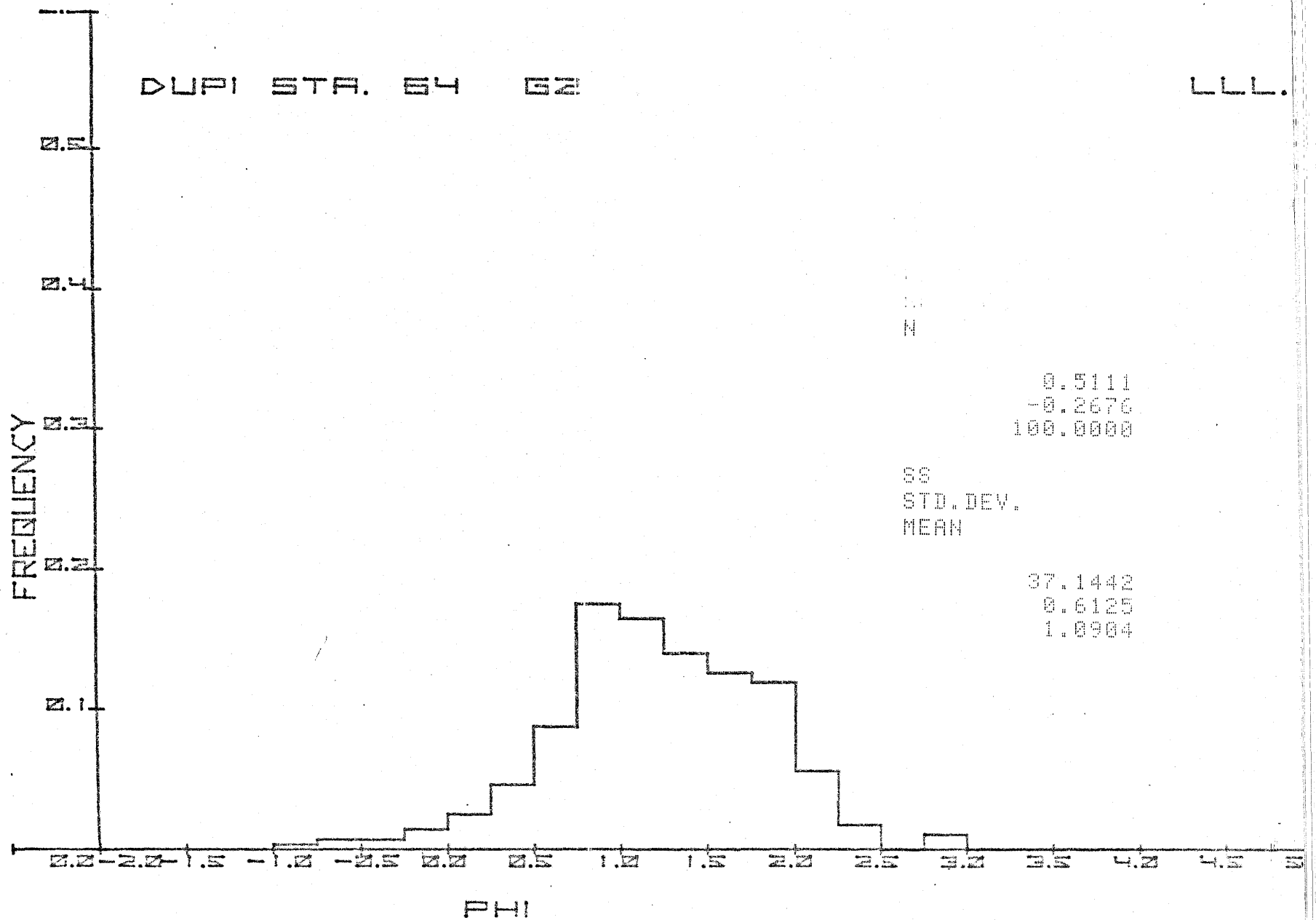
DUP! STA 29 G-5 LL

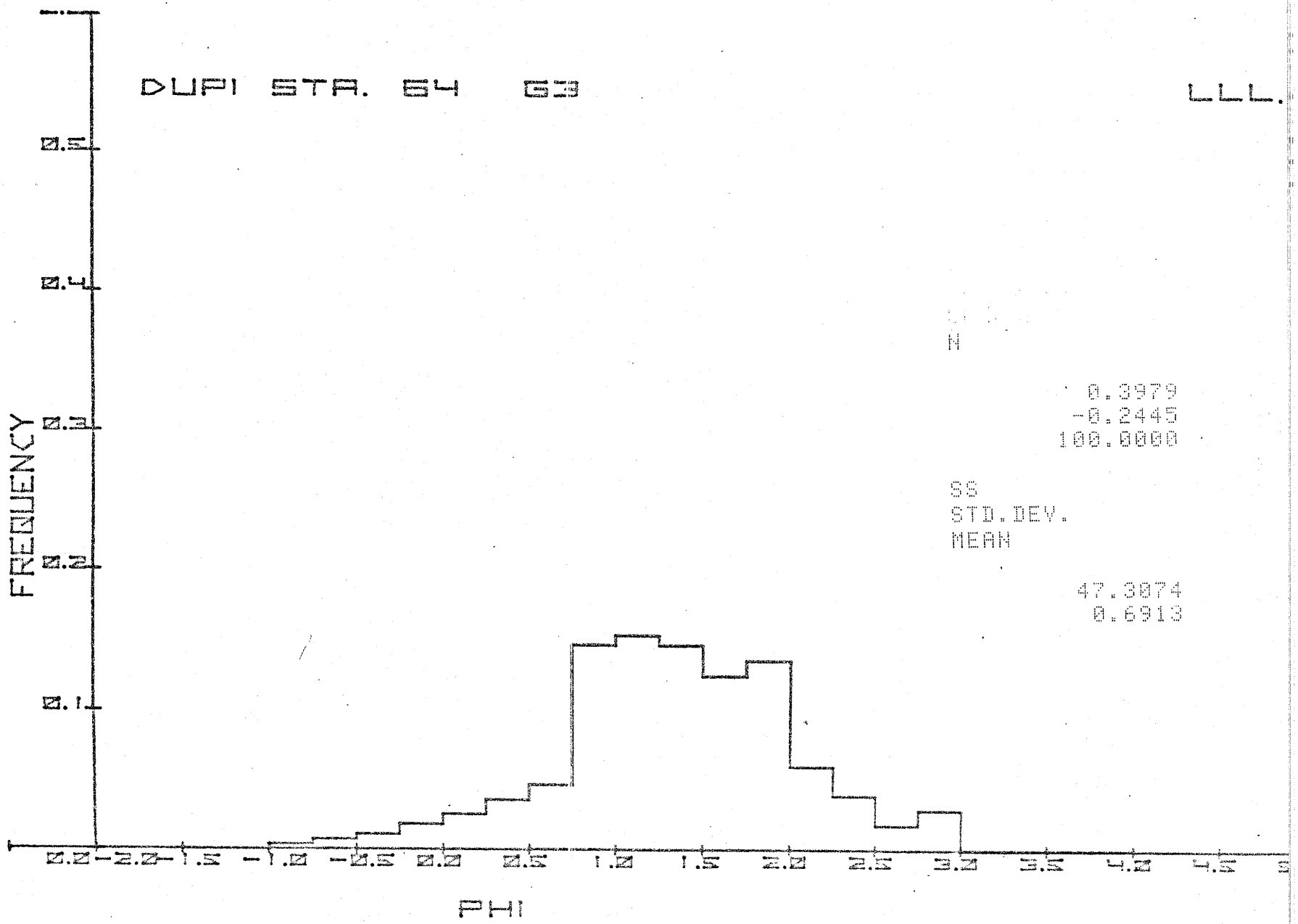


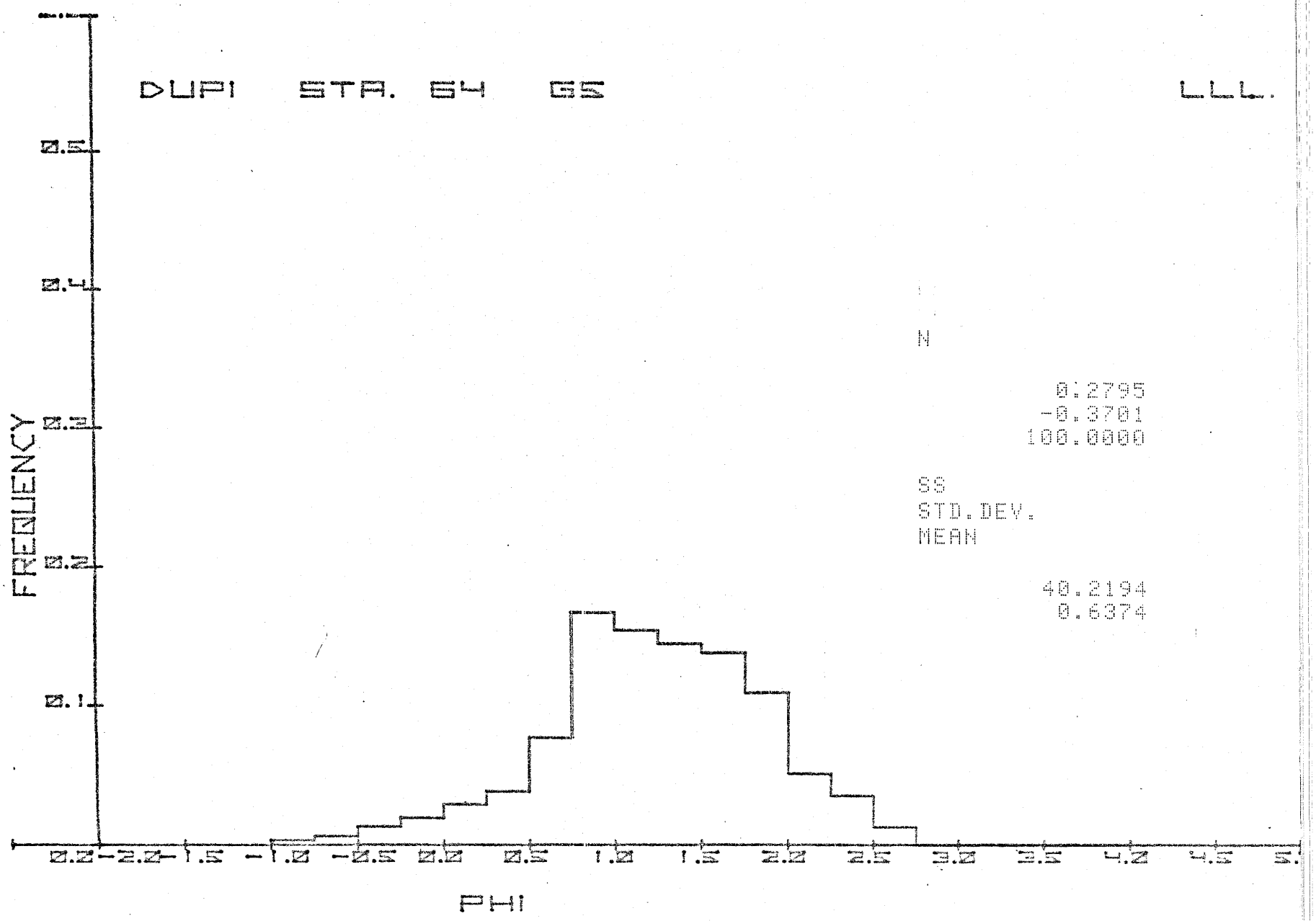

DUPI STA 56 G 2
LLL.
0.5921
-0.2201
100.0000
SS
STD.DEV.
MEAN
36.9517
0.6109
1.1954
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

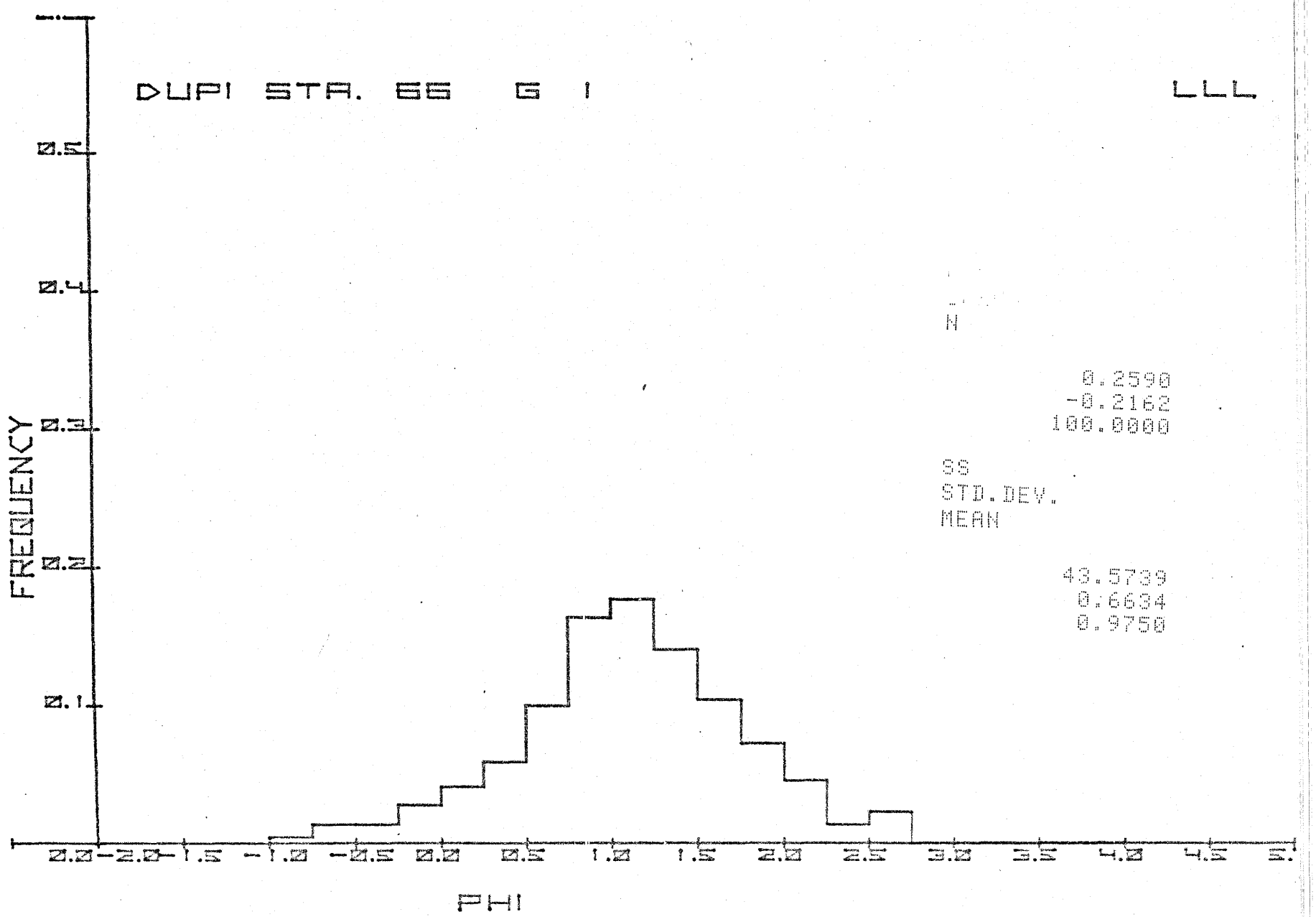

DUPI STA 56 G3
LLL..
FREQUENCY
0.5
0.4
0.3
0.2
0.1
PHI
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5
1.2105
0.3793
100.0000
SS
STD.DEV.
MEAN
37.0926
0.6121

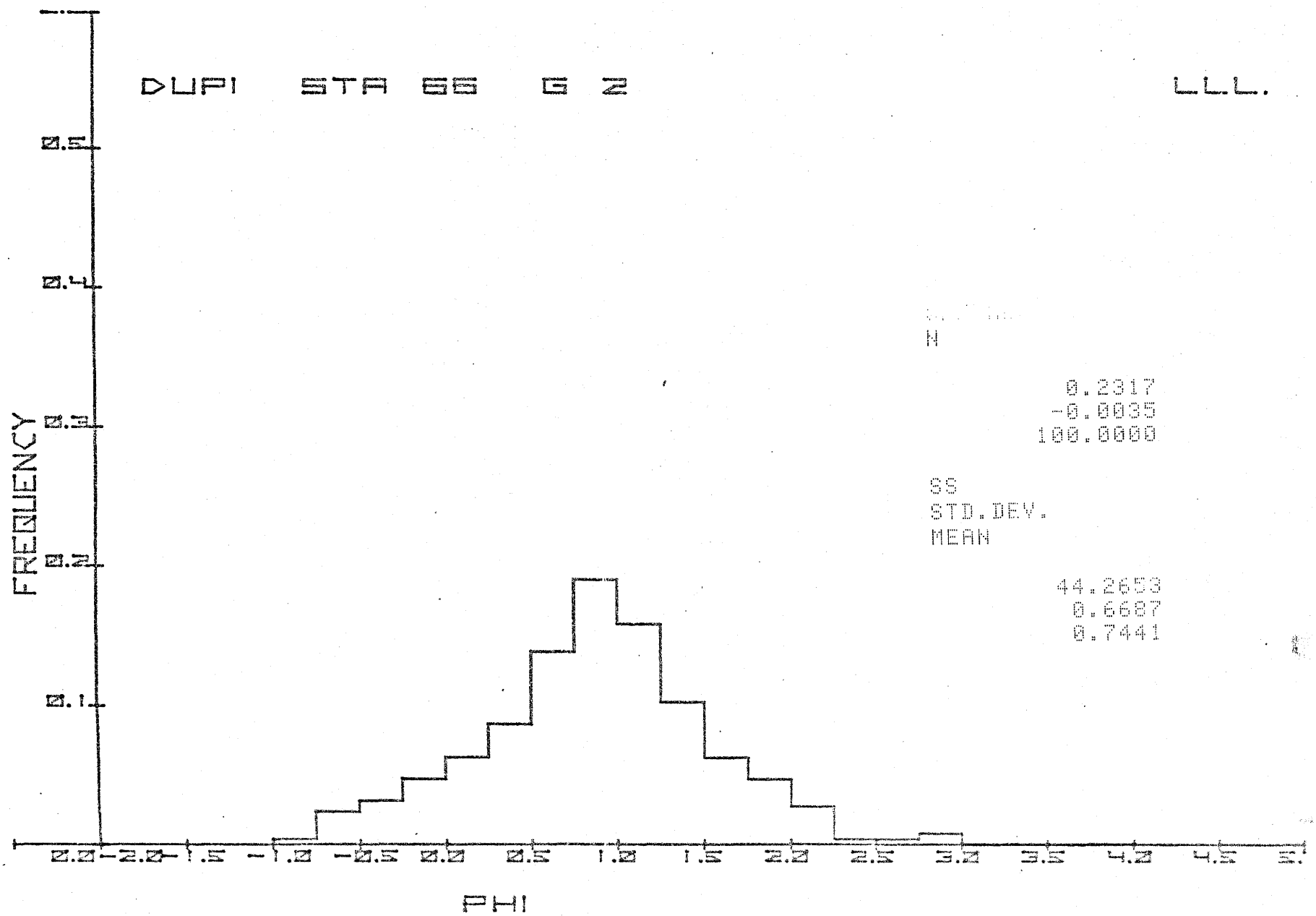

DUPI STA. 64 G1
LLL.
N
0.3597
-0.0688
100.0000
SS
STD.DEV.
MEAN
37.1289
0.6124
1.0822
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

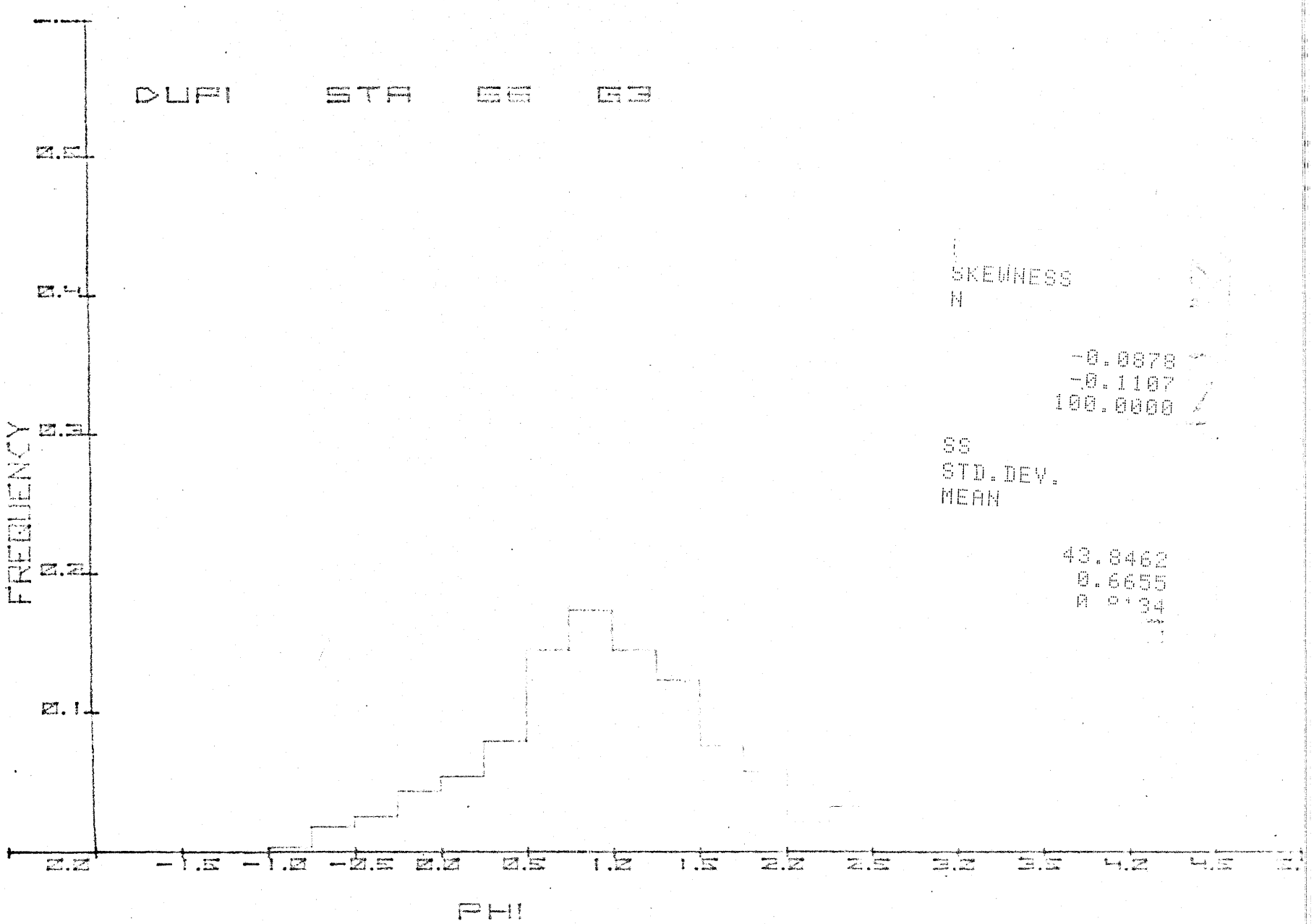

DUPI STA. 64 G2
LLL.
N
0.5111
-0.2676
100.0000
SS
STD.DEV.
MEAN
37.1442
0.6125
1.0904
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5
PHI

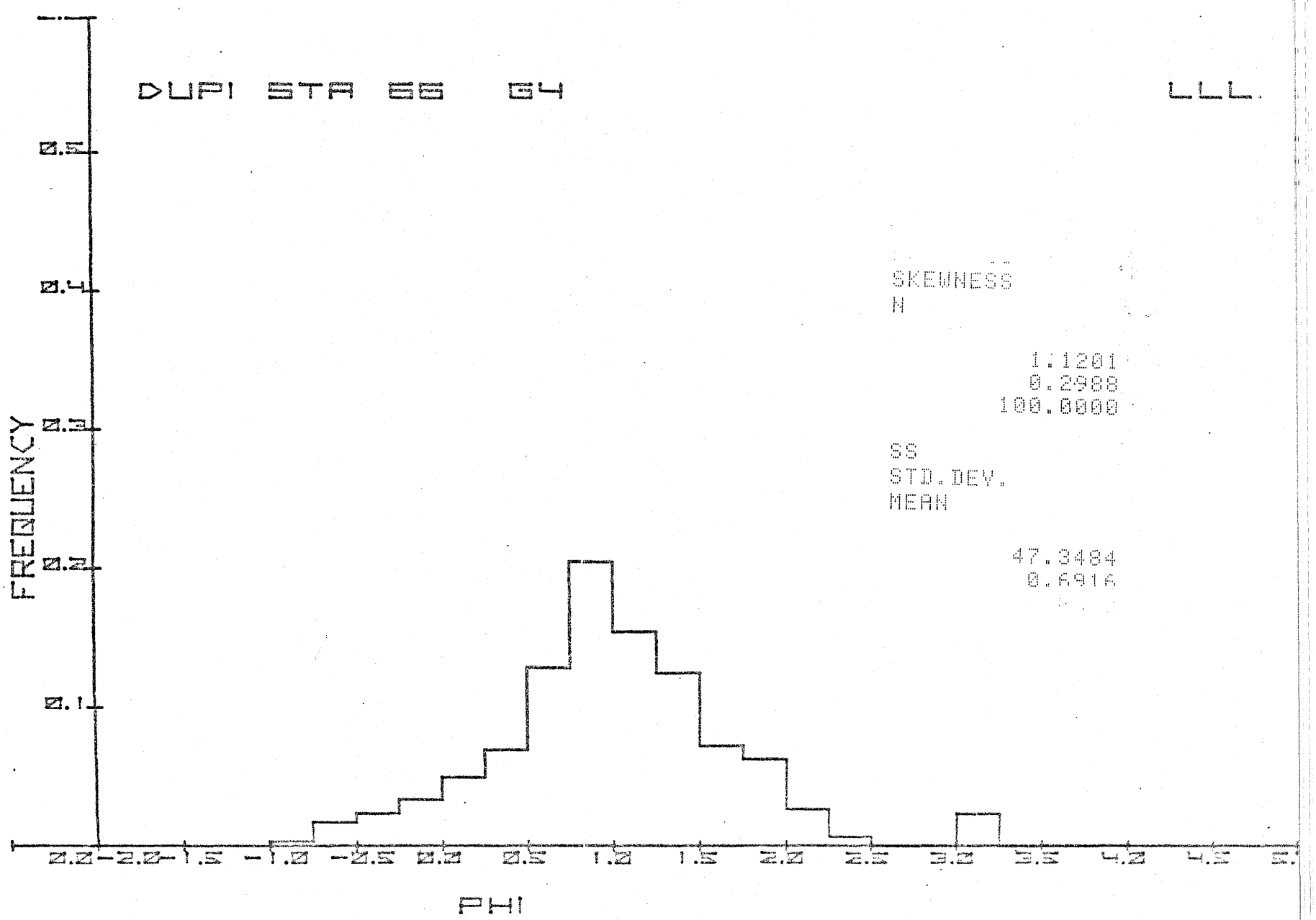

DUPI STA. 64 63
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
0.3979
-0.2445
100.0000
SS
STD.DEV.
MEAN
47.3074
0.6913
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5
PHI

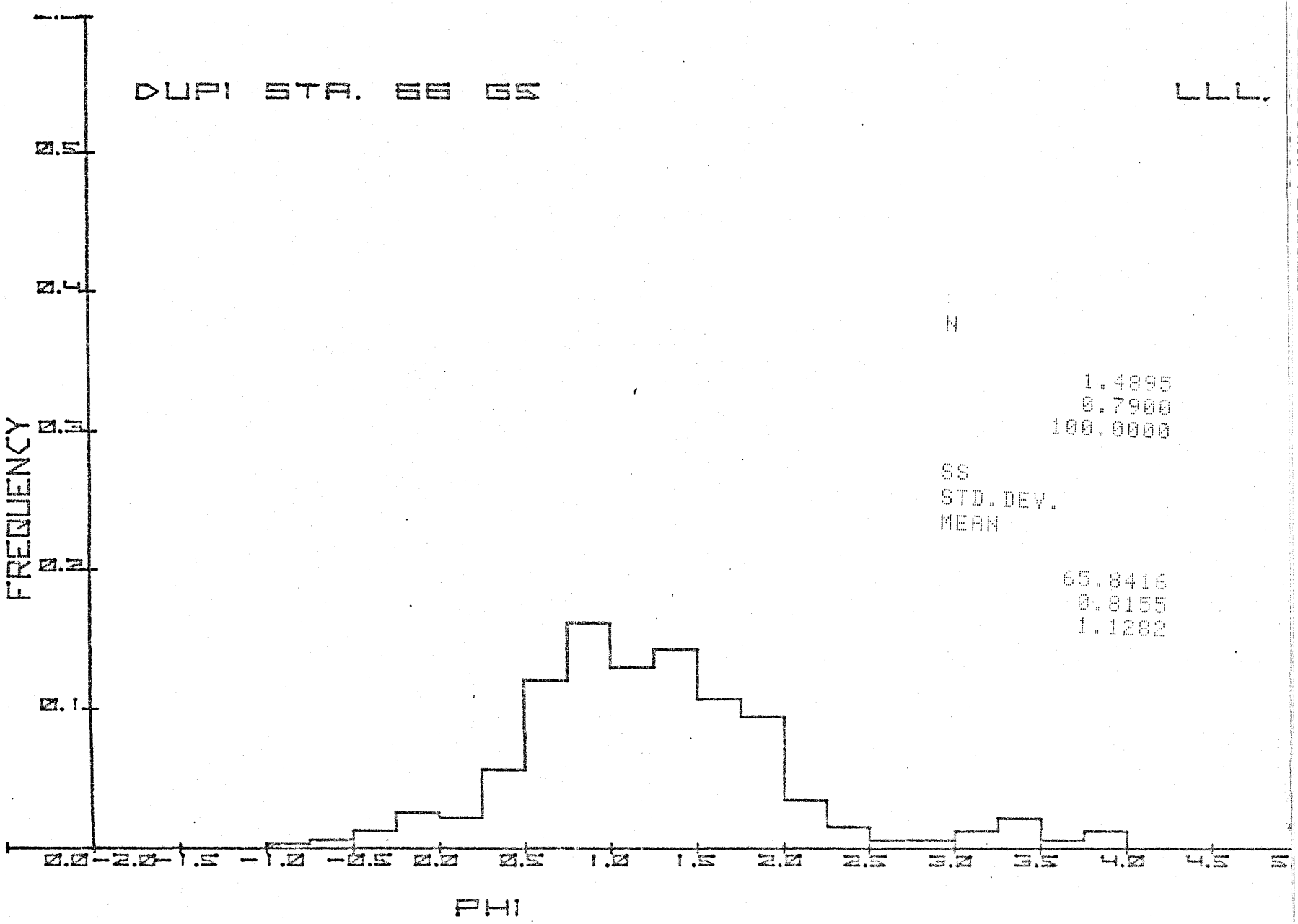

DUPI STA. 64 GS
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
0.2795
-0.3701
100.0000
SS
STD.DEV.
MEAN
40.2194
0.6374
0.2 -2.2 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI

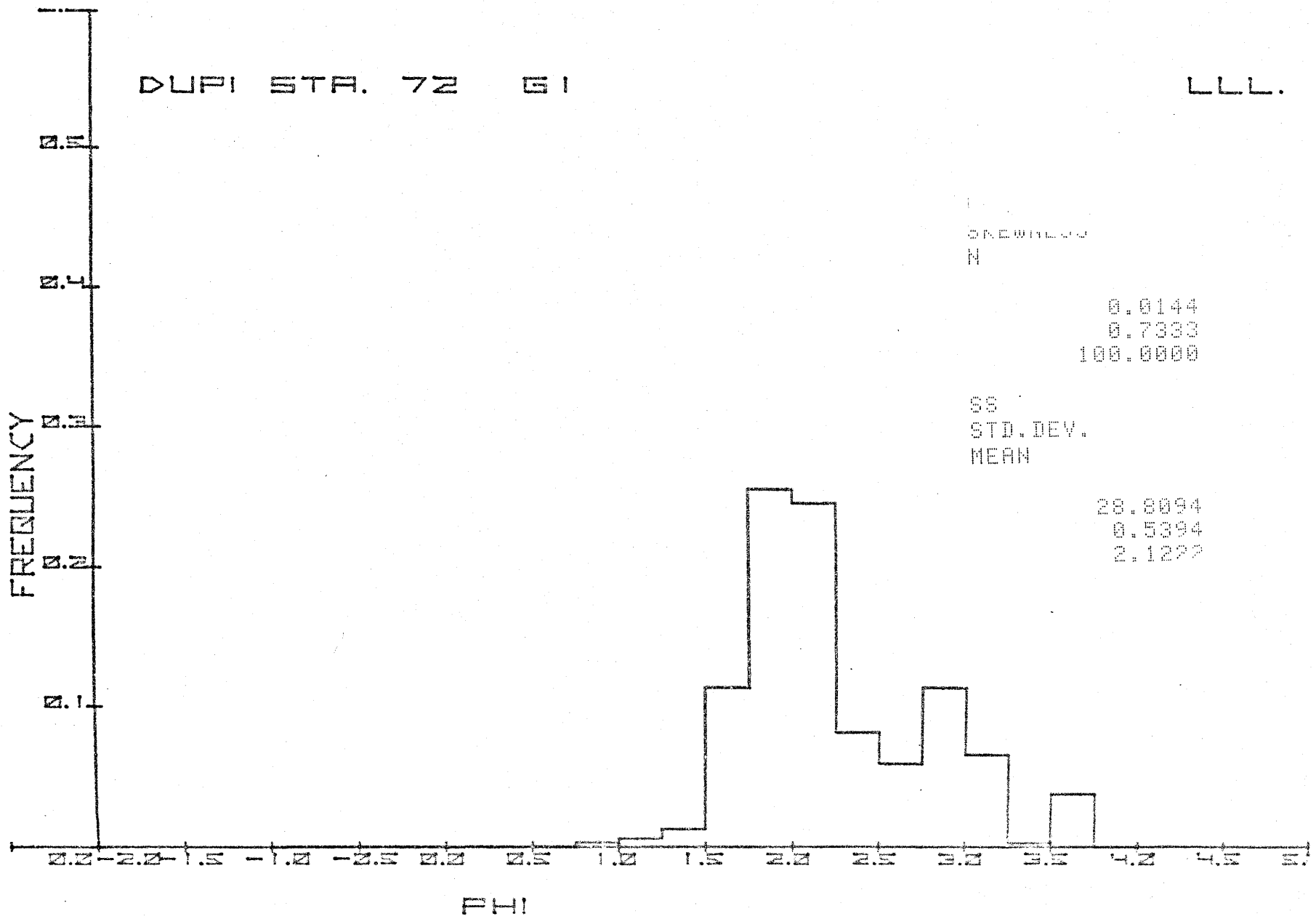

DUPI STA. 66 G 1
LLL
N
0.2590
-0.2162
100.0000
SS
STD.DEV.
MEAN
43.5739
0.6634
0.9750
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

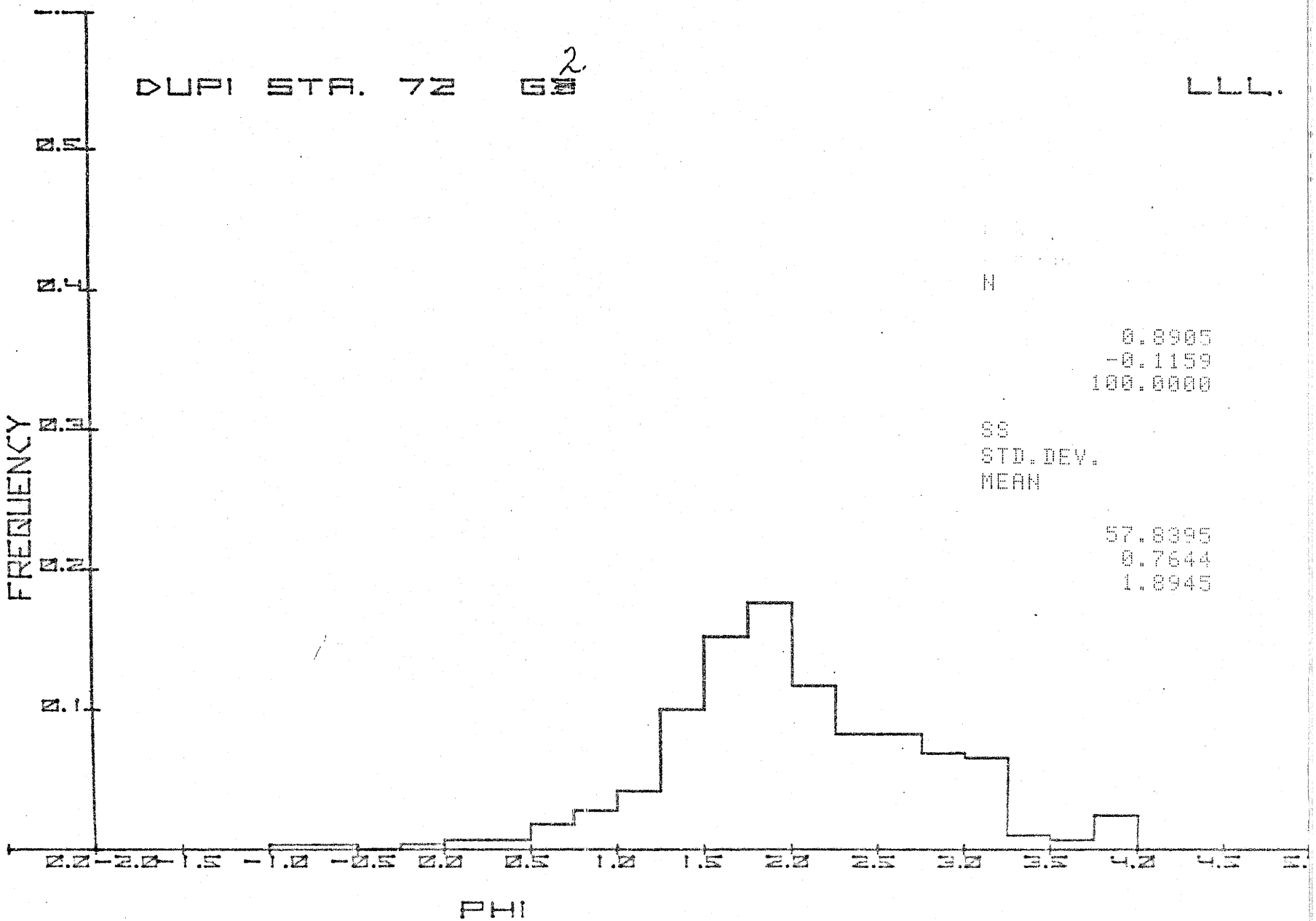

DUPI STA 66 G 2
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
0.2317
-0.0035
100.0000
SS
STD.DEV.
MEAN
44.2653
0.6687
0.7441
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI

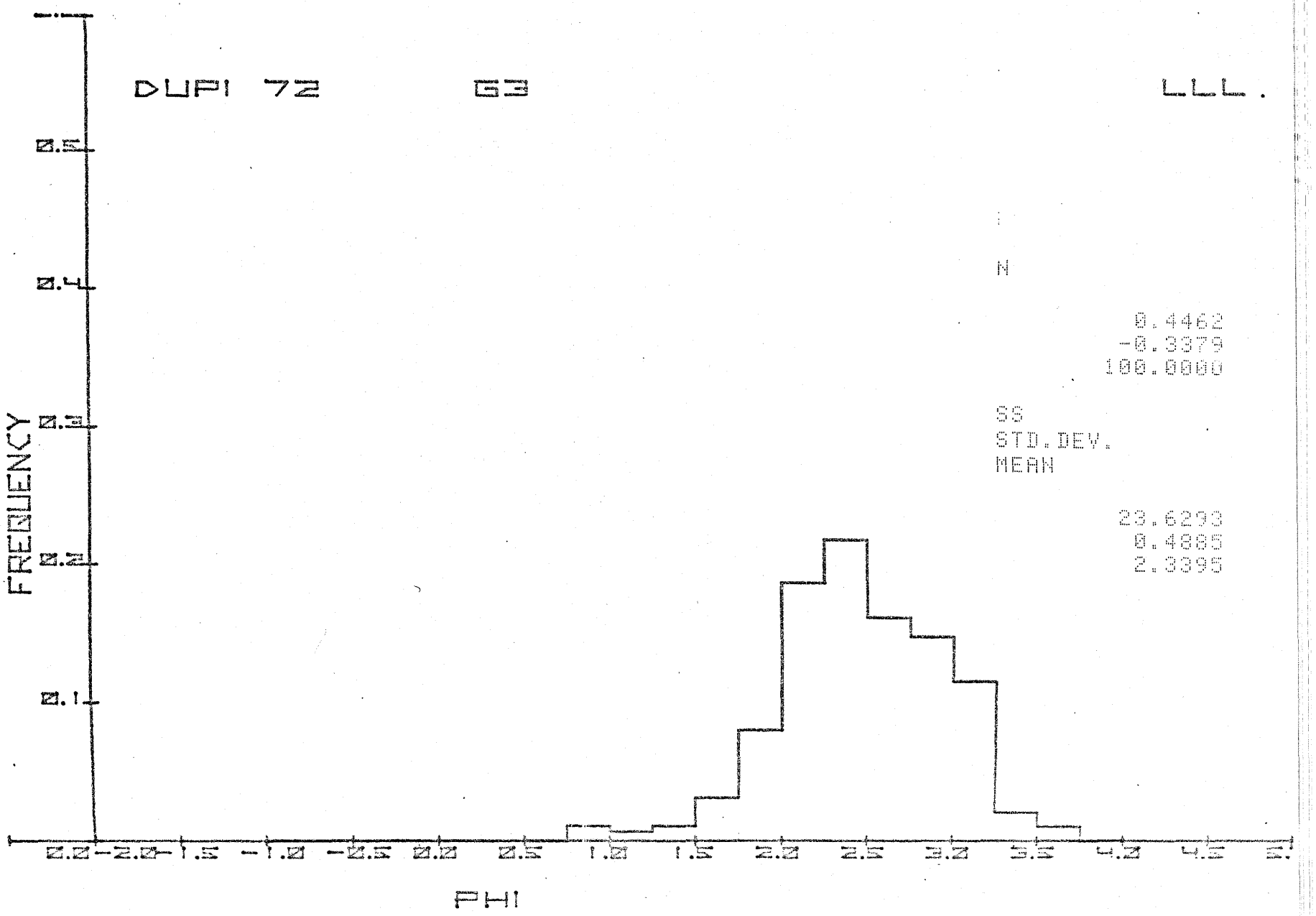

DUPI STA 66 63
SKEWNESS
N
-0.0878
-0.1107
100.0000
SS
STD.DEV.
MEAN
43.8462
0.6655
FREQUENCY
PHI

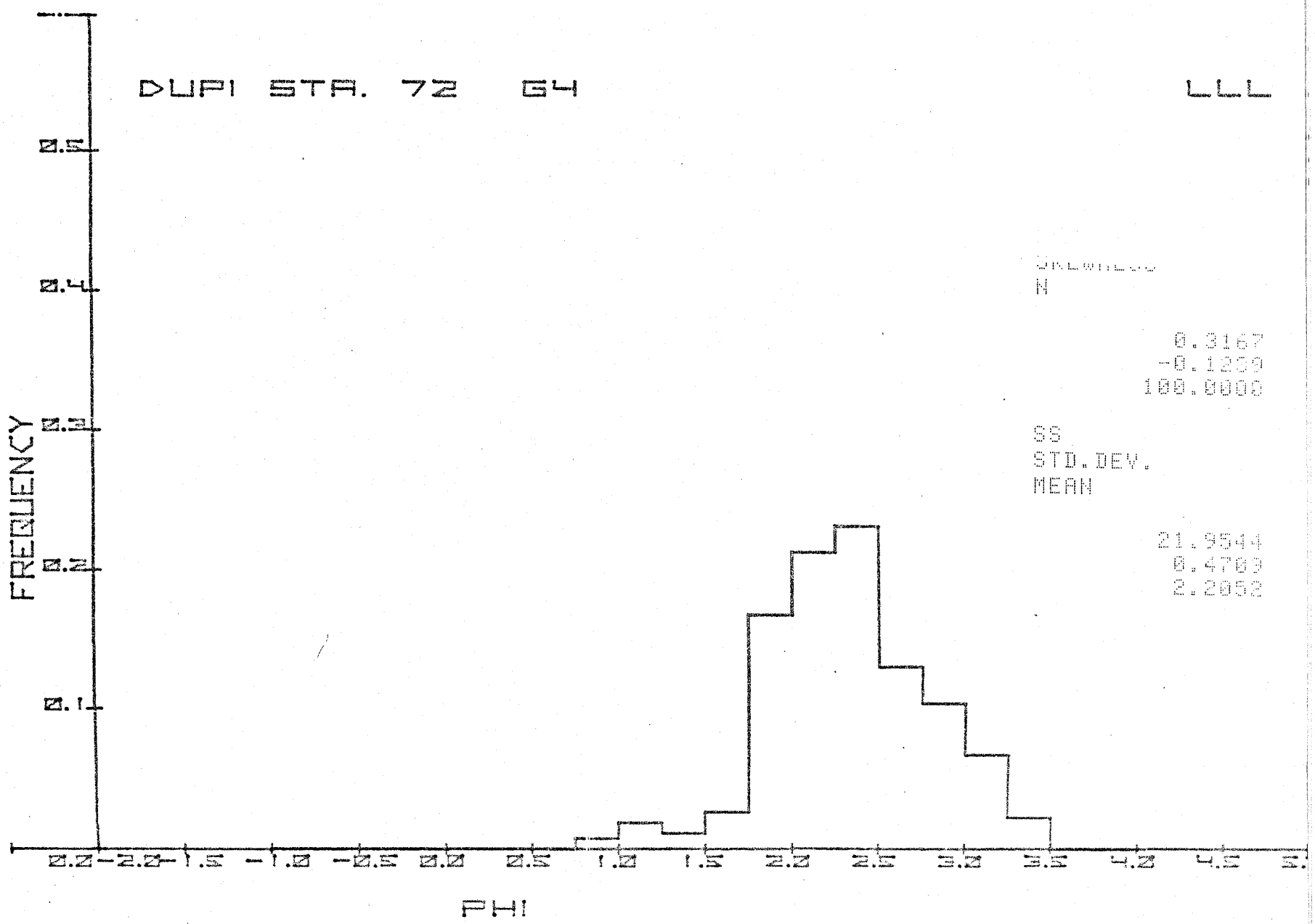

DUPI STA 66 G4
LLL
SKEWNESS
N
1.1201
0.2988
100.0000
SS
STD.DEV.
MEAN
47.3484
0.6916
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
PHI

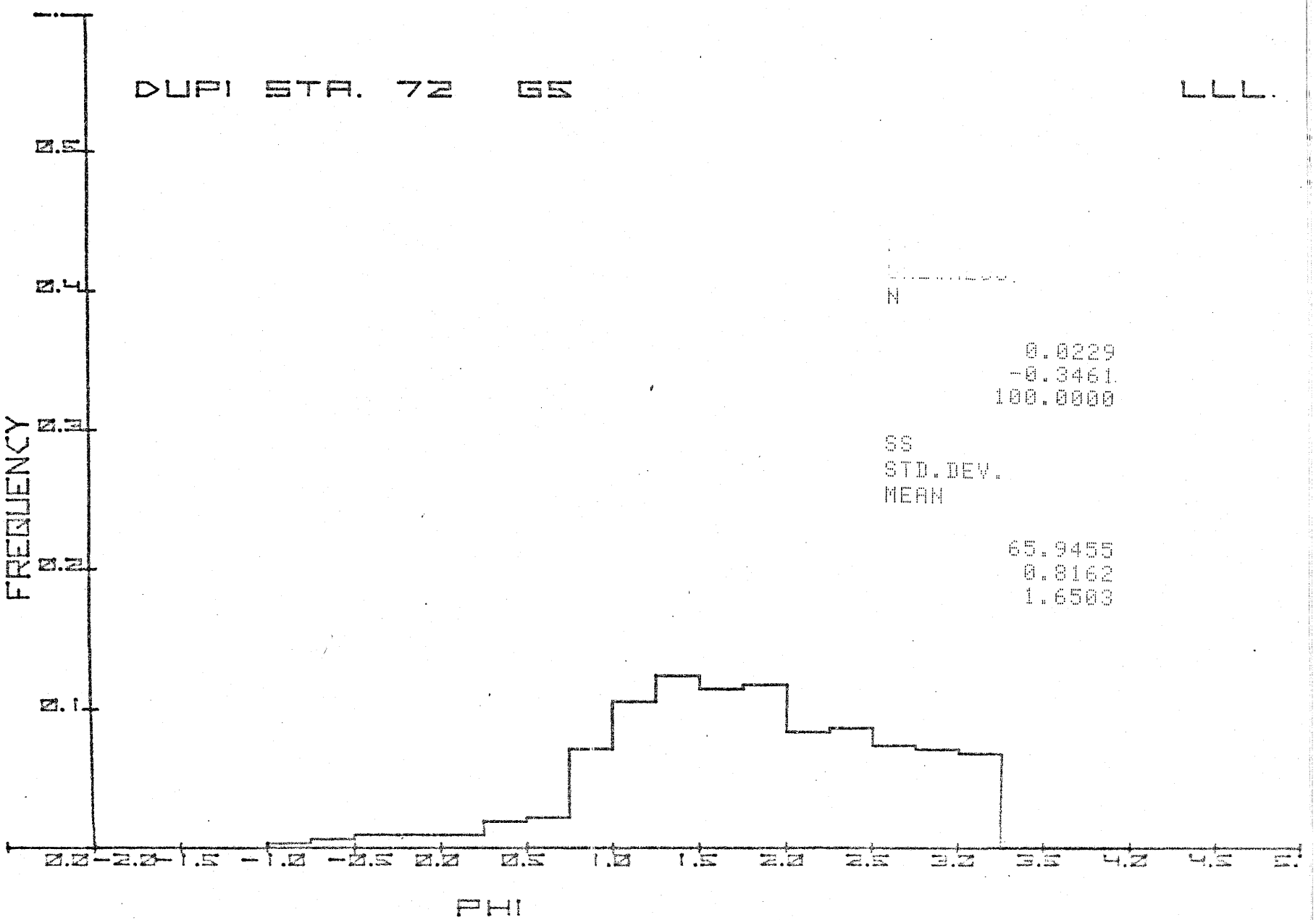

DUPI STA. 66 GS
LLL.
N
1.4895
0.7900
100.0000
SS
STD.DEV.
MEAN
65.8416
0.8155
1.1282
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5
PHI

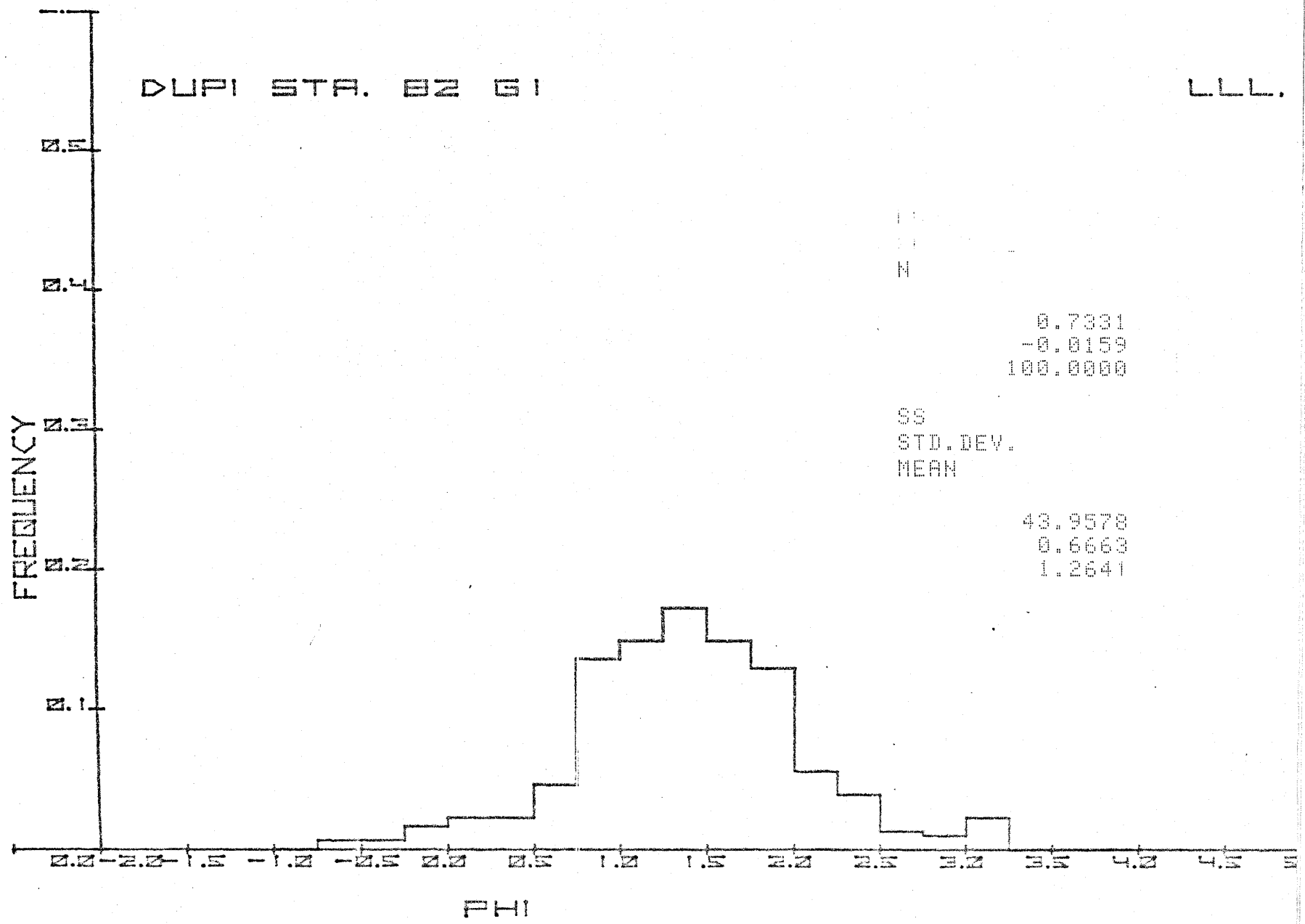

DUPI STA. 72 G1
LLL.
N
0.0144
0.7333
100.0000
SS
STD.DEV.
MEAN
28.8094
0.5394
2.1222
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

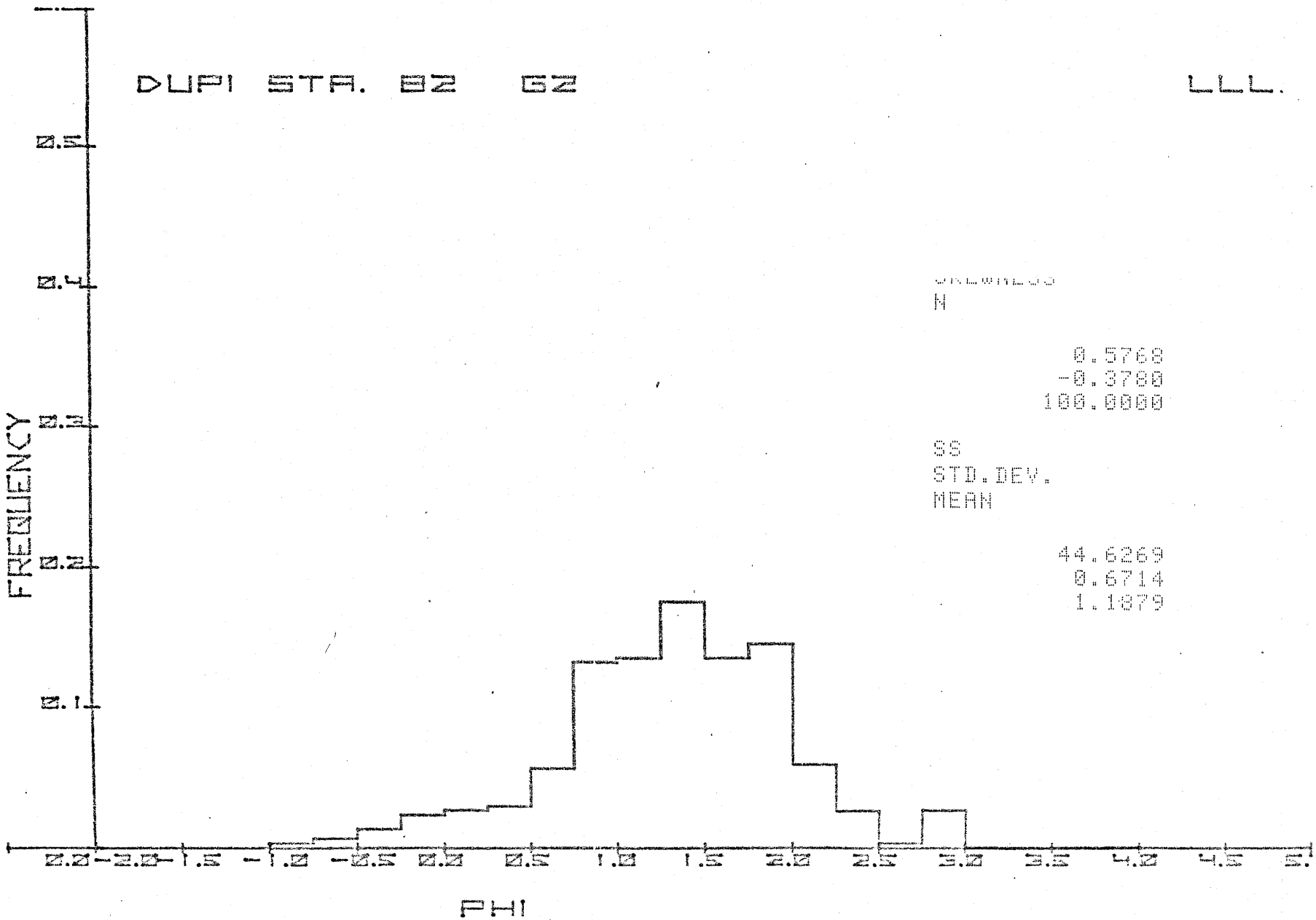

DUPI STA. 72 G2
LLL.
N
0.8905
-0.1159
100.0000
SS
STD.DEV.
MEAN
57.8395
0.7644
1.8945
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
PHI

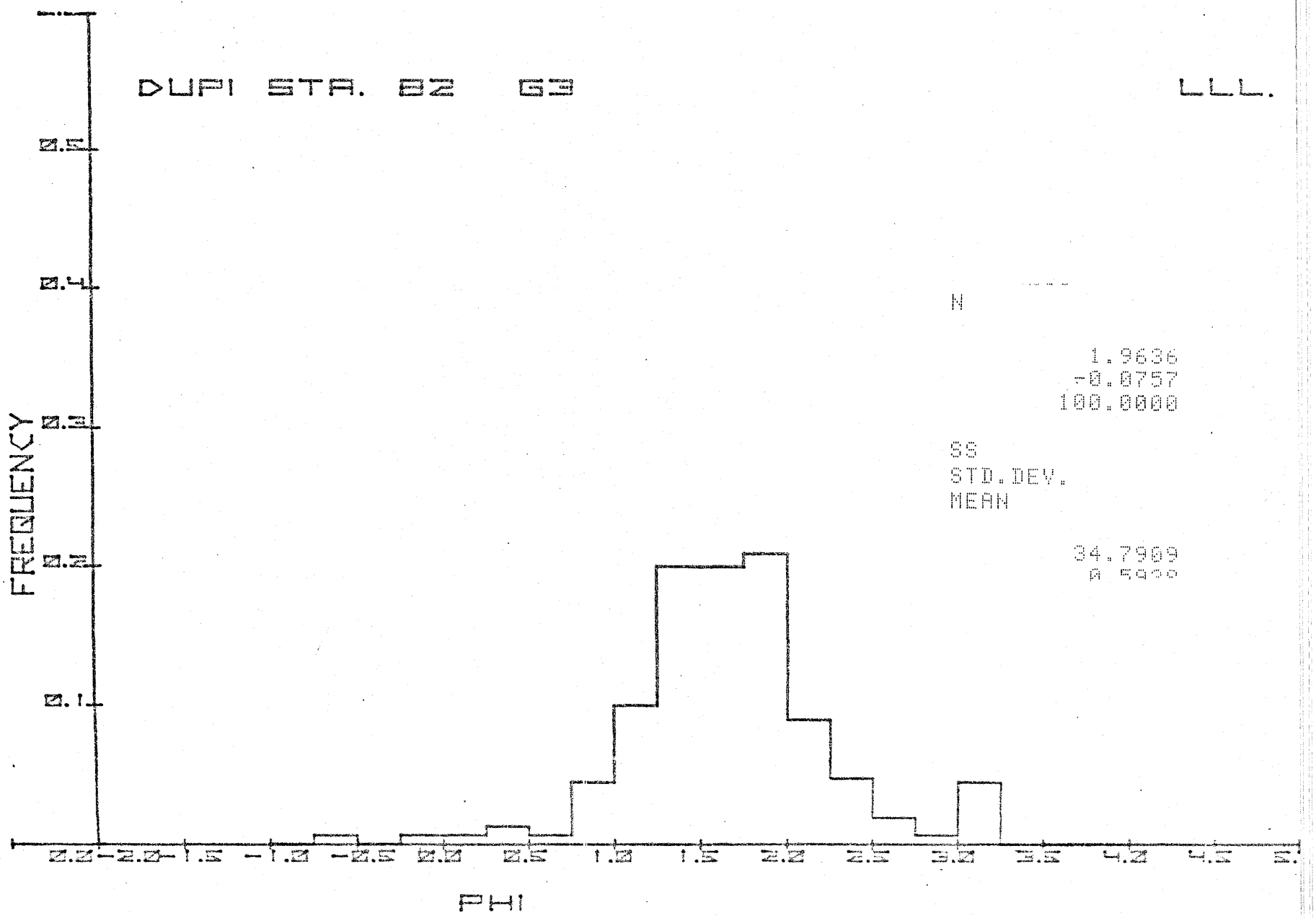

DUPI 72 63
LLL.
N
0.4462
-0.3379
100.0000
SS
STD.DEV.
MEAN
23.6293
0.4885
2.3395
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI


DUPI STA. 72 G4
LLL
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
0.3167
-0.1239
100.0000
SS
STD.DEV.
MEAN
21.9544
0.4709
2.2052
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI


DUPI STA. 72 GS
LLL.
N
0.0229
-0.3461
100.0000
SS
STD.DEV.
MEAN
65.9455
0.8162
1.6503
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI


DUPI STA. 82 G1
LLL.
N
0.7331
-0.0159
100.0000
SS
STD.DEV.
MEAN
43.9578
0.6663
1.2641
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5
PHI


DUPI STA. 82 G2
LLL.
FREQUENCY
0.5
0.4
0.3
0.2
0.1
N
0.5768
-0.3780
100.0000
SS
STD.DEV.
MEAN
44.6269
0.6714
1.1879
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI


DUPI STA. 82 G3
LLL.
N
1.9636
-0.0757
100.0000
SS
STD.DEV.
MEAN
34.7909
0.5000
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

relatively clean sand. It seems most likely that the effects of such disturbances will be temporary and rather localized, and that their occurrence will be infrequent.

While we consider that a grave potential public health hazard exists throughout the New York Bight as a consequence of physical transfer of R-factor (resistance factor) between bacteria, the existence in these same bacteria of "genetic-pooling" of systems whereby "un-needed" symbionts are repressed (made latent) affords an opportunity to management to eliminate the hazard. Immediate cessation of dumping, coupled with the observed seasonal catastrophic decline in bacterial numbers and with concerted attempts to cover high carbon (high heavy metal) areas with sand would, ultimately, lead to repression and disappearance of the R factor, on the basis of theory and laboratory studies. This fact constitutes a major justification for closure of the present dump sites. For further information see Watanabe (1967) and Clowes (1973).

Pollution abatement has nearly always resulted in improving environmental conditions. In Biscayne Bay following stoppage of raw sewage discharges, benthic macroinvertebrate populations returned to normal except in deep dredged holes in which there was little or no circulation (McNulty, 1970). Dean and Haskin (1964) recorded a marked increase in the number of species of benthic macroinvertebrates following abatement of pollution in the Raritan River estuary. In a Swedish lake, stoppage of the inflow of waste water failed to result in improved environmental

conditions until removal of the accumulated black residual muds. Environmental improvement was immediate and dramatic after removal of the muds (Andersson, G., G. Cronberg, and C. Gelin, 1973).

In conclusion, it seems reasonable that circulation in the New York Bight is sufficiently vigorous to insure marked improvement of the environment following the cessation of dumping. Some persistent pollutants will, however, remain in the sediments for a long time to come and will have deleterious effects on bottom-dwelling organisms which cannot be predicted with confidence.

References

Andersson, G., G. Cronberg, and C. Gelin

1973. Planktonic changes following the restoration of Lake Trummen, Sweden. AMBIO, Vol. 1-2, pp. 44-47.

Clowes, Royston C.

1973. The molecule of infectious drug resistance. Sci. Amer. (April), Vol. 228, No. 4, pp. 18-27.

Dean, David, and Harold H. Haskin

1964. Benthic repopulation of the Raritan River estuary following pollution abatement. Limnol. Oceanogr., 9(4): 551-563.

McNulty, J. Kneeland

1970. Effects of abatement of domestic sewage pollution on the benthos, volumes of zooplankton, and the fouling organisms of Biscayne Bay, Florida. Stud.trop.Oceanogr.Miami 9: 107 pp., 19 figs.

Watanabe, Tsutomu

1967. Infectious drug resistance. Sci Amer. (Dec.), 217 (6): 19-27.

VI. 1. Conclusions

A. The foregoing statements demonstrate clearly that the living marine resources of the New York Bight apex as well as the habitats thereof have been grossly perturbed and disrupted by the present practice of dumping sewage sludge and dredge spoils in the area. In support of this conclusion we cite:

1. Seasonally-demonstrated inability of the New York Bight apex ecosystem to assimilate aerobically the effects of even the present levels of ocean dumping.
2. Seasonal "Avoidance" by demersal finfish of the impacted ocean areas.
3. Significant anomalies in the distribution, abundance and taxa-representation in benthic invertebrates.
4. High incidence and prevalence of environmentally-related diseases among the finfish and crustaceans found in the New York Bight apex.
5. Abnormally high levels of nutrients and of primary productivity have been observed in the New York Bight apex (although the effects of dumping alone remain to be demonstrated).
6. Prevalence of resistant, fecal coliform micro-organisms in the New York Bight apex, indicative of gross pollution.

7. Serious potential hazards for the public health are believed to exist, e.g., closure to shell-fishing of a large area contaminated by ocean dumping.
8. High concentrations of many heavy metals and hydrocarbons are found in sediments at and near the dump sites and in sediments of the Hudson Shelf Valley.

B. It would appear that the present practice of dumping sewage sludge and dredge spoils in the New York Bight apex should be terminated immediately. In support of this conclusion we cite:

1. Potential health hazards to seafood consumers and bathers would be alleviated.
2. Through normal, unstressed oxidative processes, the sedimentary "high carbon" areas of the New York Bight apex would be reduced.
3. "Avoidance" phenomena in finfish and epizootic diseases observed in demersal finfish and crustaceans could be gradually alleviated.
4. Trawling activity at and near dump sites would eventually increase; at present, nets become fouled with hydrocarbon residues, hair and a variety of disposable materials.

5. Oceanographic processes and natural recolonization can be expected to slowly return the area to a reasonably pristine condition.

C. Opting, however, for alternative dumpsites in the ocean appears to be a short-sighted solution to our waste disposal problems. The disruption of additional ecological systems, added frustrations, in terms of decreased harvests and increased costs, to already stressed fisheries, prohibition of shellfishing,-- are all predictable effects of the proposed movement of dump sites. Moving a known problem downstream or "out-of-site" does not eliminate the problem.

D. We must reiterate earlier recommendations that the solution to the problems associated with marine disposal of wastes, resides with utilizing existing technology to cope with disposal. Recycling of nutrients and spoils is a land-cycle situation; to put nutrients where they are needed or could be gainfully used is ecologically the obvious answer. The continental shelf waters are not starved; marine populations have evolved over the ages and are dependent on certain levels of terrestrial nutrient runoff. Over-fertilization of a balance marine system by ocean-disposal (as a panacea to a human problem) is short-sighted economic strategy. The intrinsic human ecological needs for maximizing food-protein harvests

and for recreational outlets more than offset the alleged economic benefits of the alternate dump site solution. The effects on benthic populations of deposits of smothering sludges and silts and of attendant O_2 reduction, the effects of heavy metals on food-chain organisms, the disruption of migratory patterns of fishes, the finfish avoidance phenomenon, the diseases of crustaceans and finfish, the fouling of fishing gear, the destruction of fishable wreck sites, are all potential hazards.

VI. 2. Recommendations (Note: the comments in the following section do not constitute a policy statement or position statement of the National Marine Fisheries Service. They merely represent the opinions of the Middle Atlantic Coastal Fisheries Center).

a. Ocean dumping should cease: Ocean dumping at existing sites has been demonstrated to be harmful to marine fisheries resources and is potentially hazardous to human health.

b. Alternative dump site areas: There is no shelf area that is devoid of living resources.

The Hudson Shelf Valley and Canyon should be avoided because (a) the area serves as a migration path for certain fish and shellfish; (b) fisheries exist in the area; (c) the deeper portion serves as winter

aggregation zone for certain species; and (d) the possible return flow up the canyon could add to coastal pollution. Winter aggregation sites for fish on the outer portions of the continental shelf should be avoided, as should shelf areas presently being fished. Areas closed or protected by international agreements must be avoided. The designated alternative dump sites contain fish and shellfish resources, as indicated by survey data summarized in previous sections. These resources will be adversely affected by intensive and prolonged dumping.

Since most dredge spoils are highly contaminated, there seems to be little biological rationale for separation of sewage sludge and dredge spoils in the designation of any new disposal area.

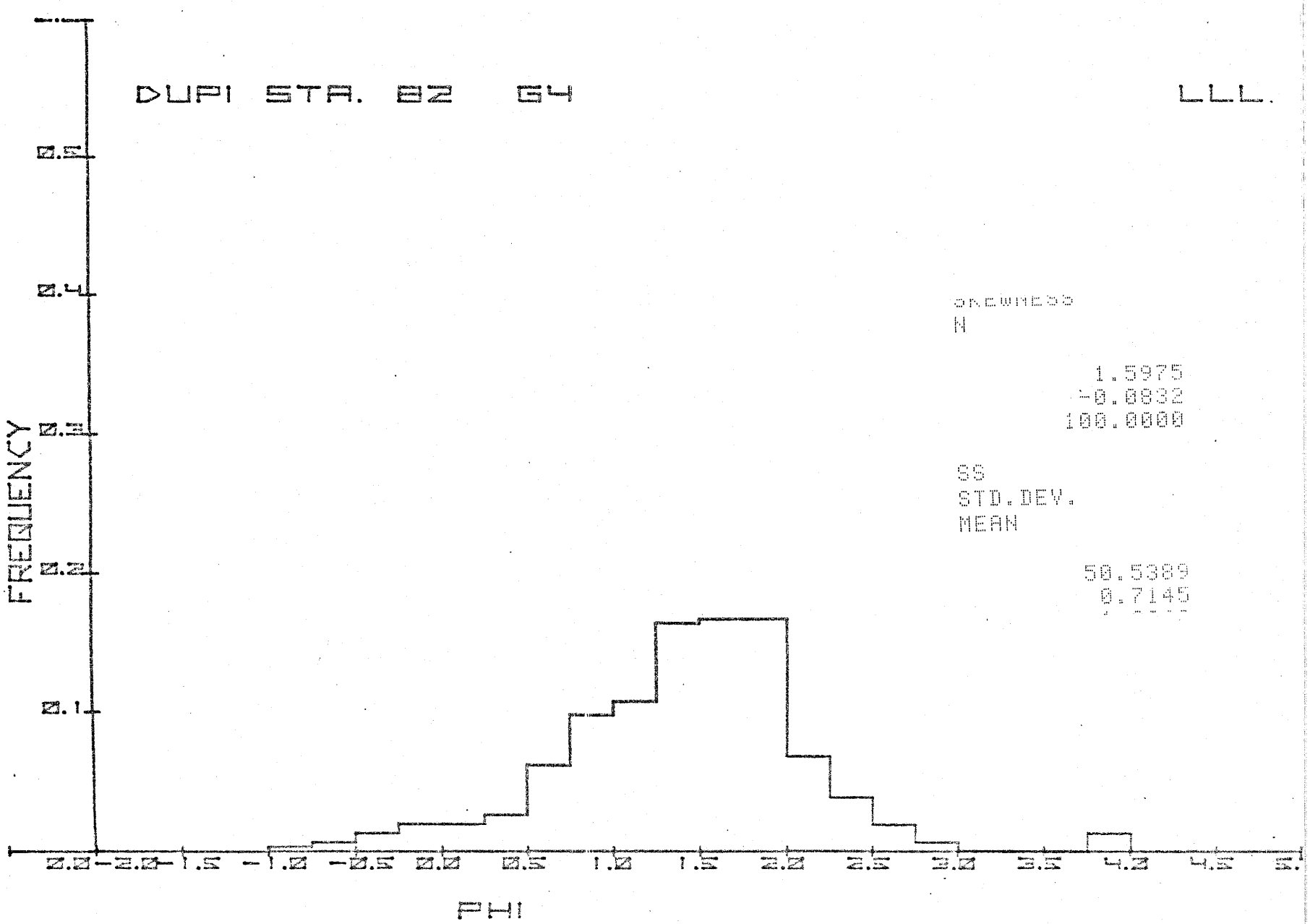
c. Monitoring existing site: If dumping ceases at existing sites, it will be essential to our understanding of long-term effects of ocean dumping to mount immediately and adequately funded monitoring program. This will be equally true if only selective dumping (of dredge spoil consisting primarily of clean sand, for example) is allowed to continue.

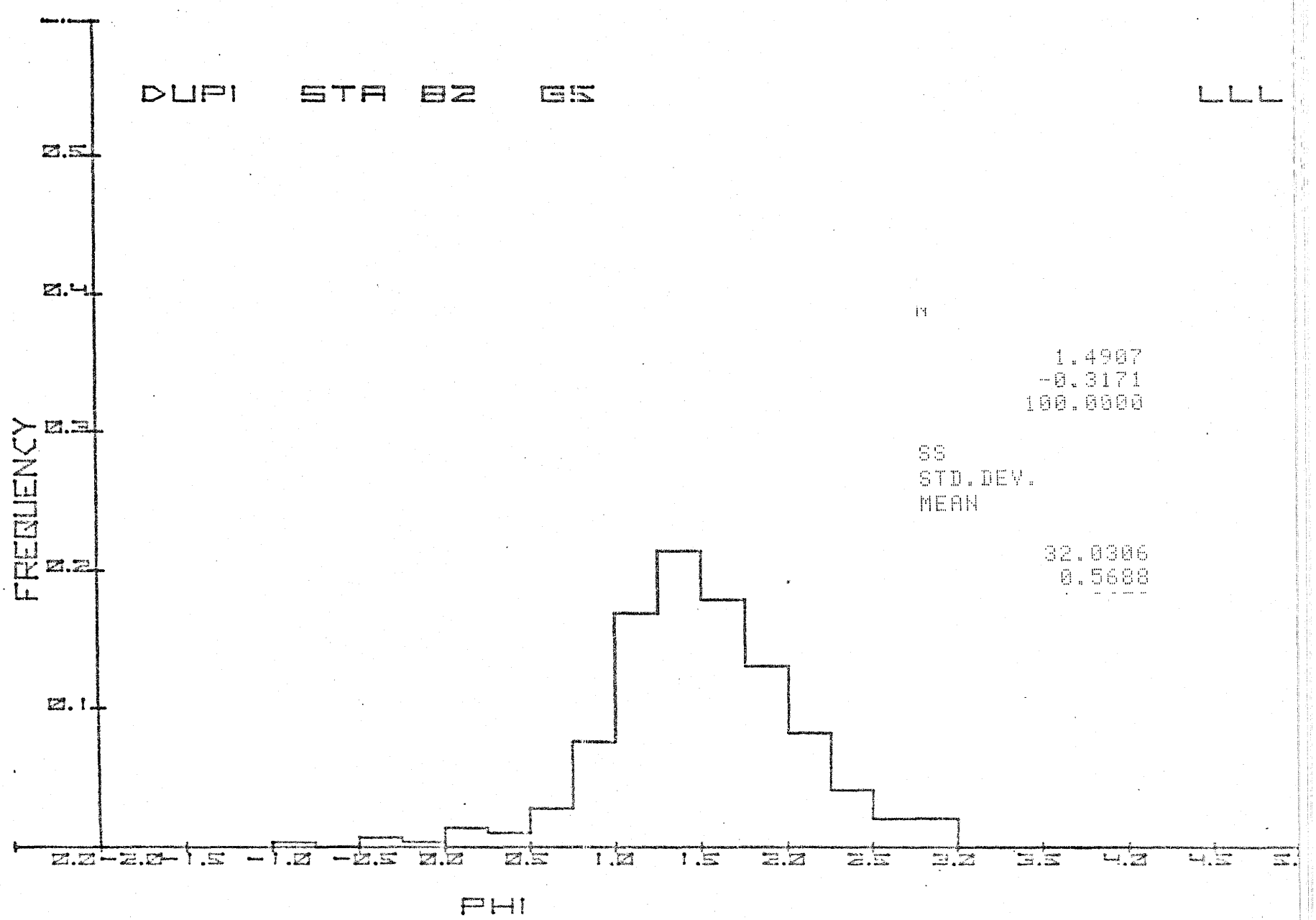
At present, the best biological parameters which should be included in any monitoring program are:

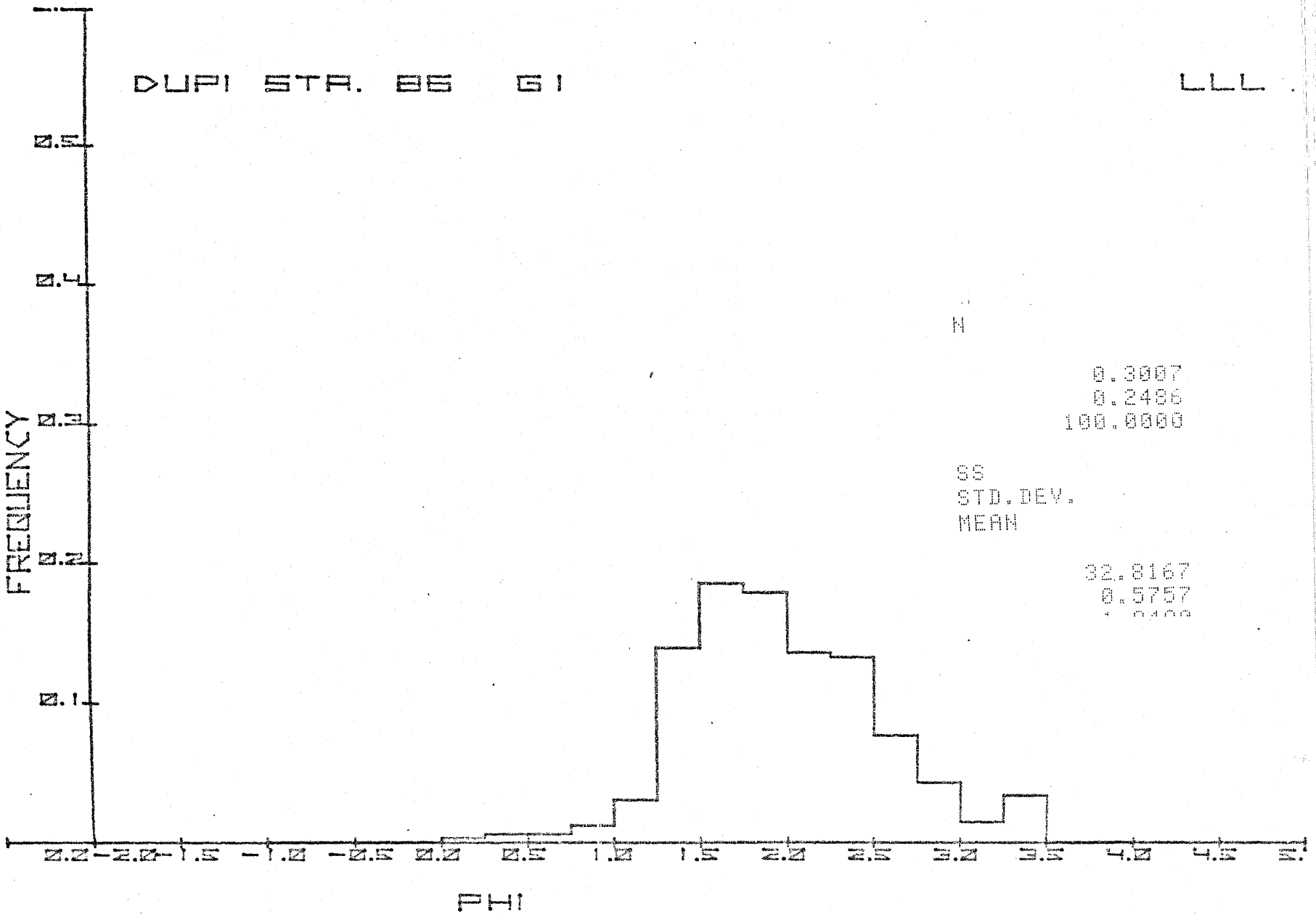
1. benthic invertebrate species abundance and diversity, sampled quarterly;

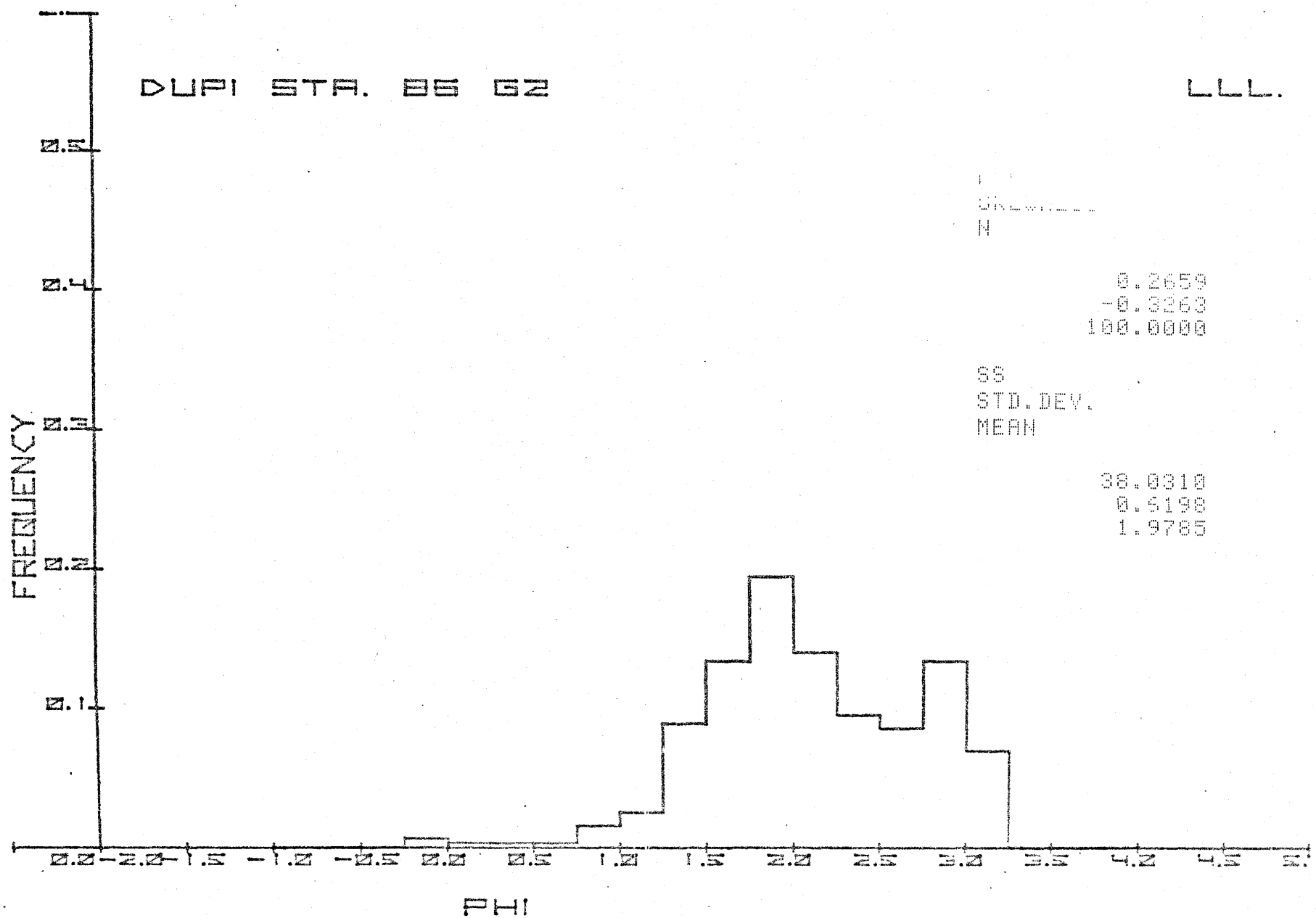
2. benthic respirometry of bottom cores, at least biannually, in summer and winter;
3. fish and shellfish distribution and abundance, noting in particular any abnormalities such as fin rot in fish sampled quarterly;
4. distribution and abundance of coliforms in sediments and in molluscan shellfish, sampled quarterly;
5. distribution and abundance of heavy metals in sediments and in molluscan shellfish, sampled biannually.

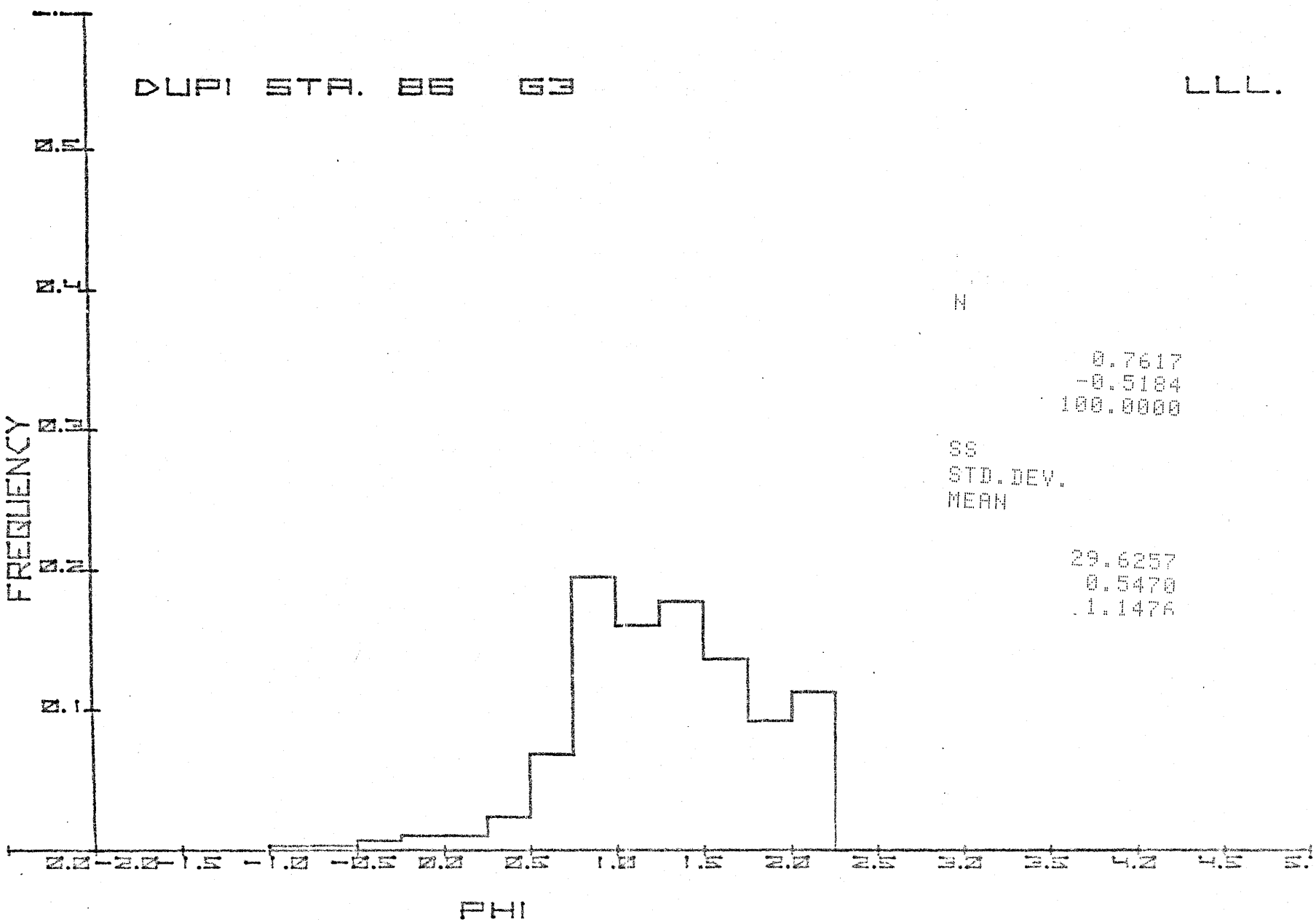
d. Long-Term Action: In addition to monitoring existing dump sites, there must be intensive continuous monitoring of changes produced by dumping at alternative sites, since this will be a unique opportunity to study changes induced in an undergraded ocean environment following onset of dumping. Monitoring elements listed under (c) above should constitute the core of the program at the alternative sites.

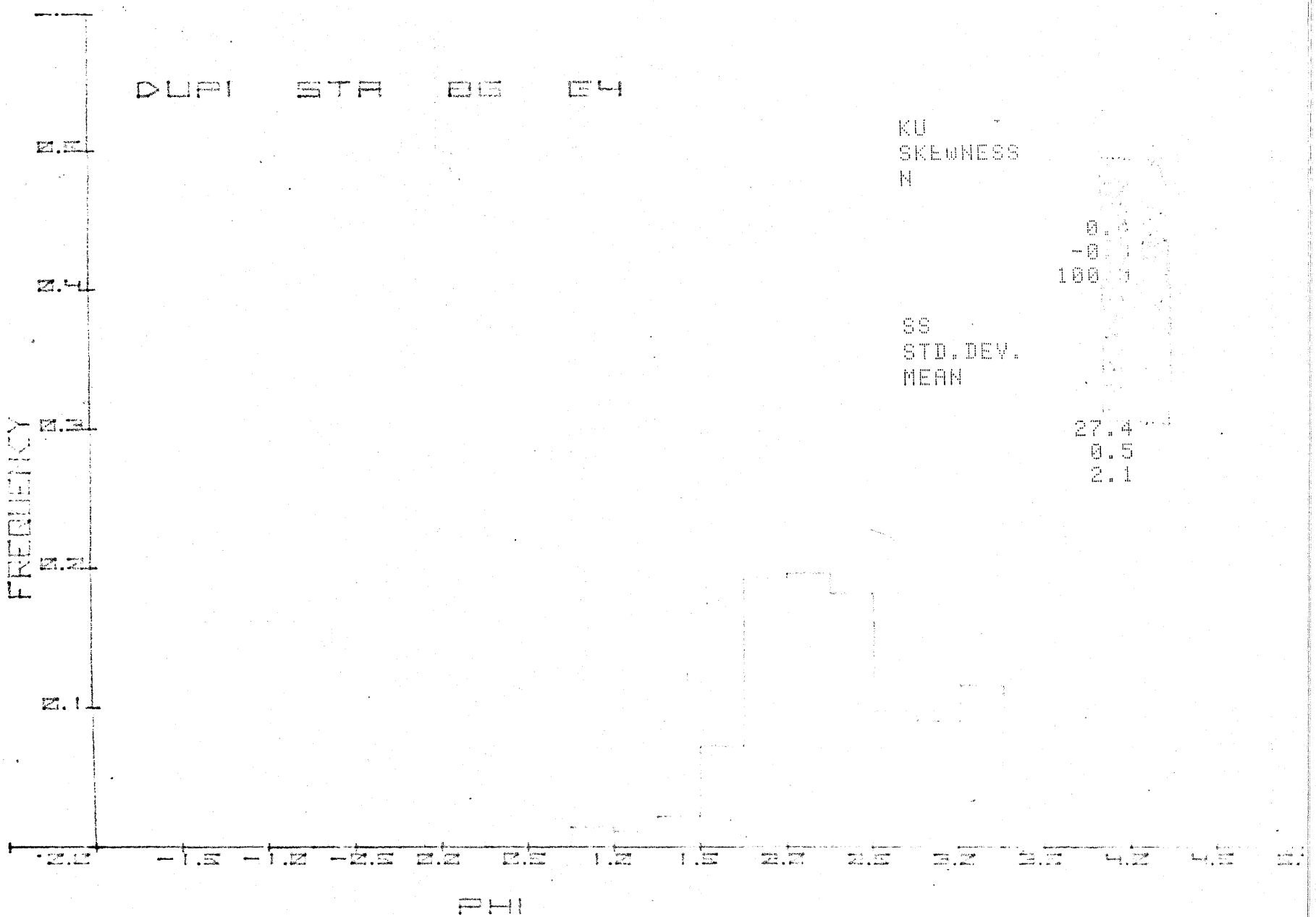

DUPI STA. 82 G4
LLL.
SKEWNESS
N
1.5975
-0.0832
100.0000
SS
STD.DEV.
MEAN
50.5389
0.7145
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

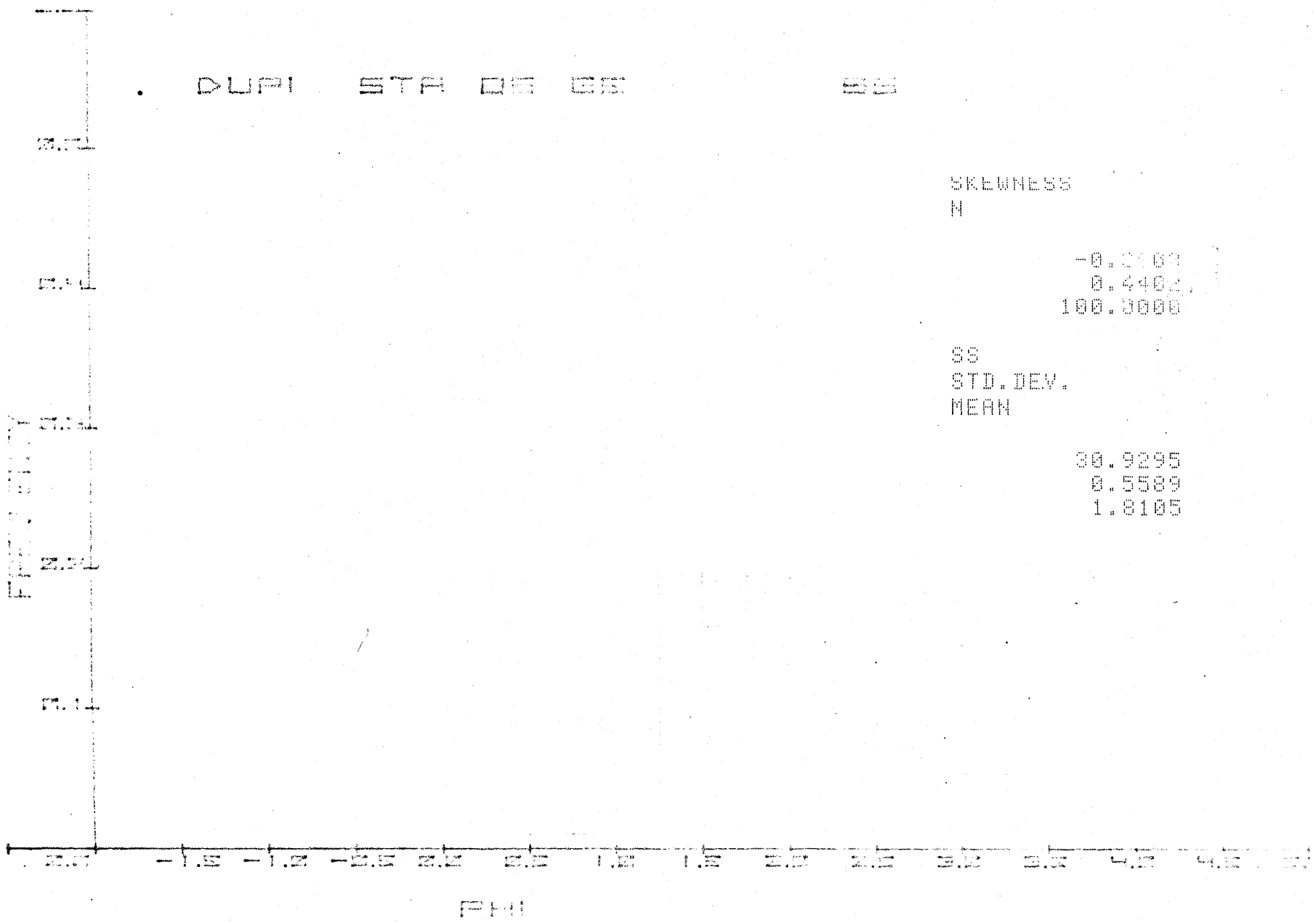

DUPI STA 82 65
LLL
FREQUENCY
0.5
0.4
0.3
0.2
0.1
1.4907
-0.3171
100.0000
SS
STD.DEV.
MEAN
32.0306
0.5688
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5
PHI

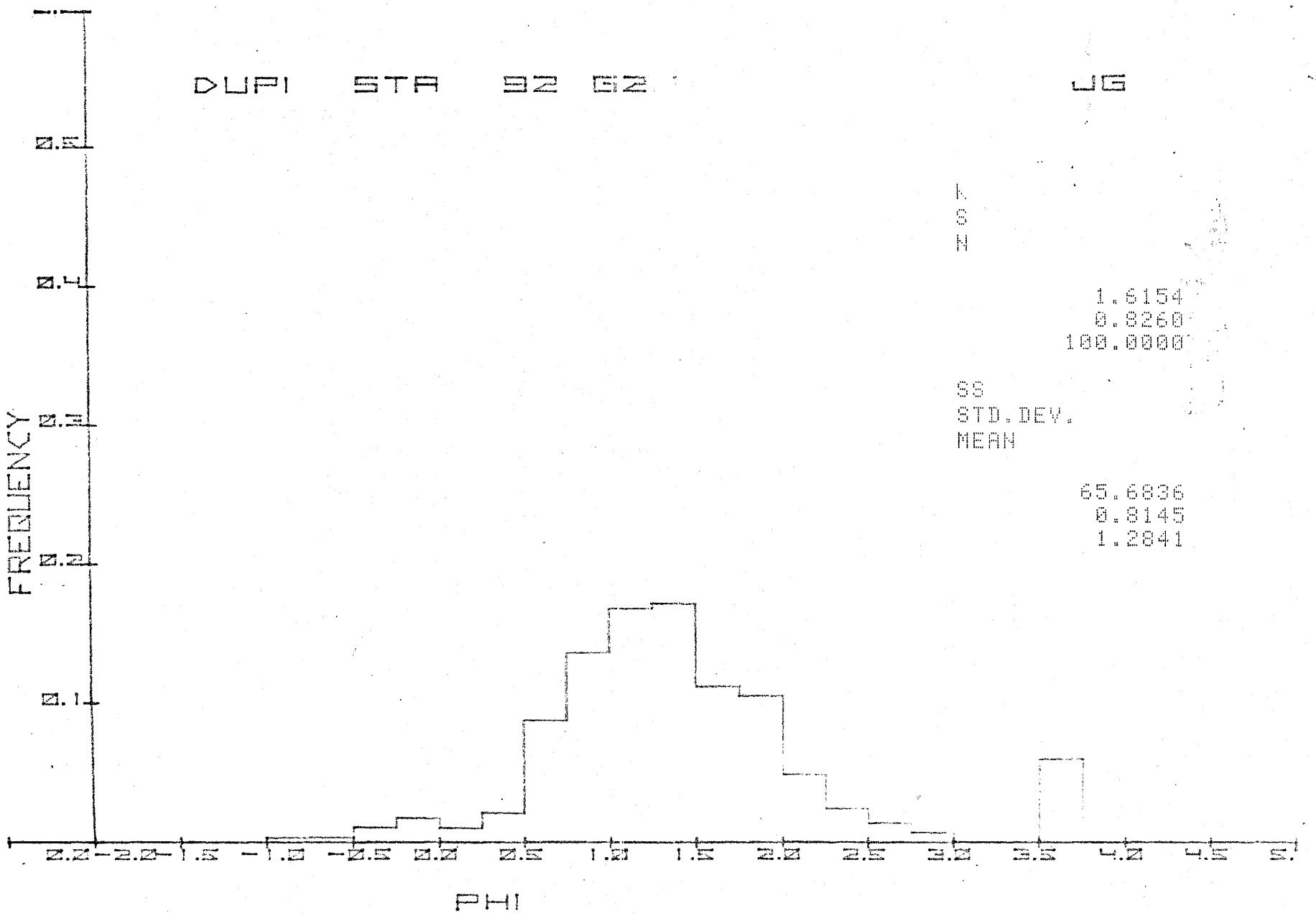

DUPI STR. 86 G1
LLL
N
0.3007
0.2486
100.0000
SS
STD.DEV.
MEAN
32.8167
0.5757
FREQUENCY
0.5
0.4
0.3
0.2
0.1
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

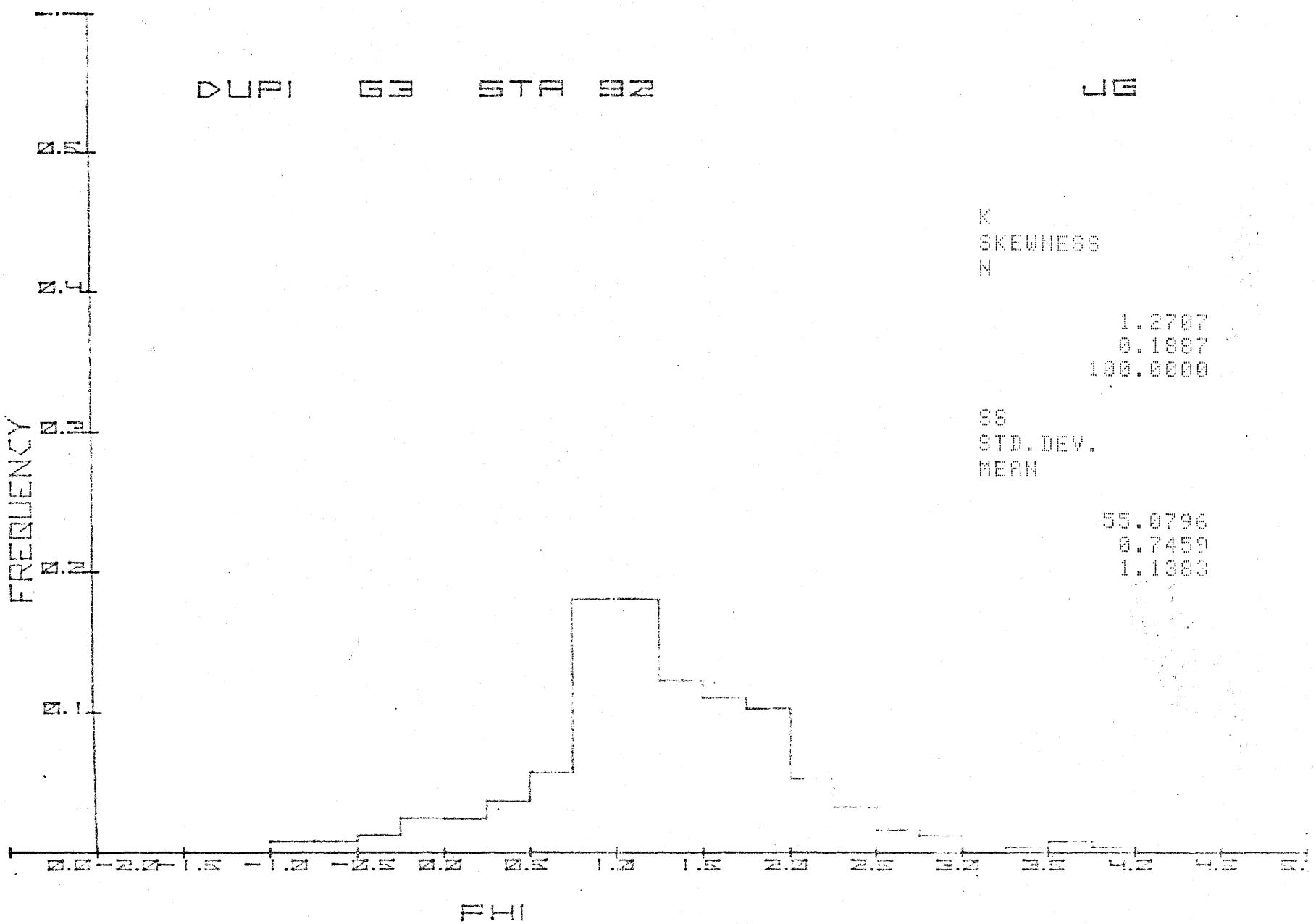

DUPI STA. 86 62
LLL.
N
0.2659
-0.3263
100.0000
SS
STD.DEV.
MEAN
38.0310
0.5198
1.9785
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

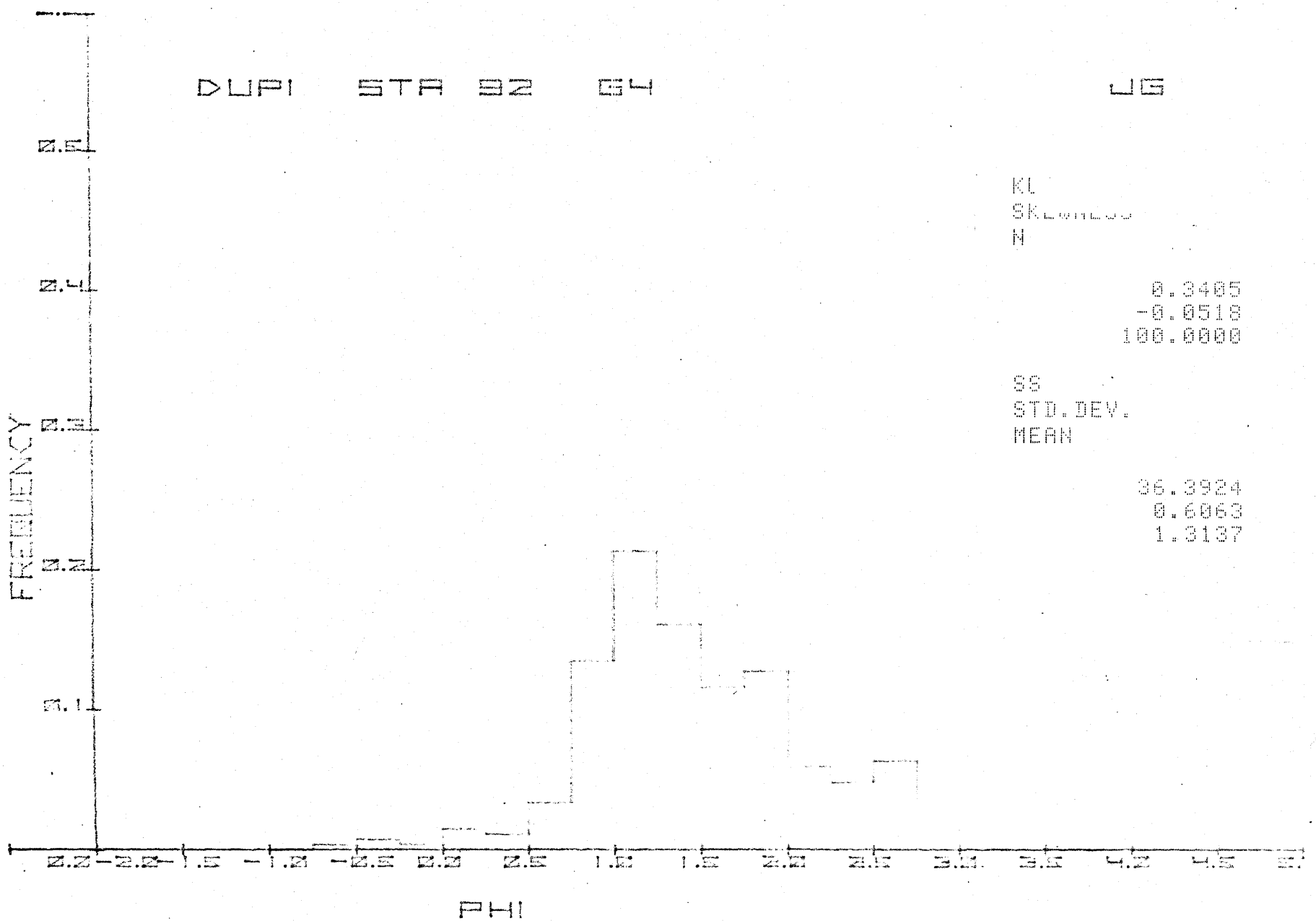

DUPI STA. 86 G3
LLL.
N
0.7617
-0.5184
100.0000
SS
STD.DEV.
MEAN
29.6257
0.5470
1.1476
FREQUENCY
0.1
0.2
0.3
0.4
0.5
PHI
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.

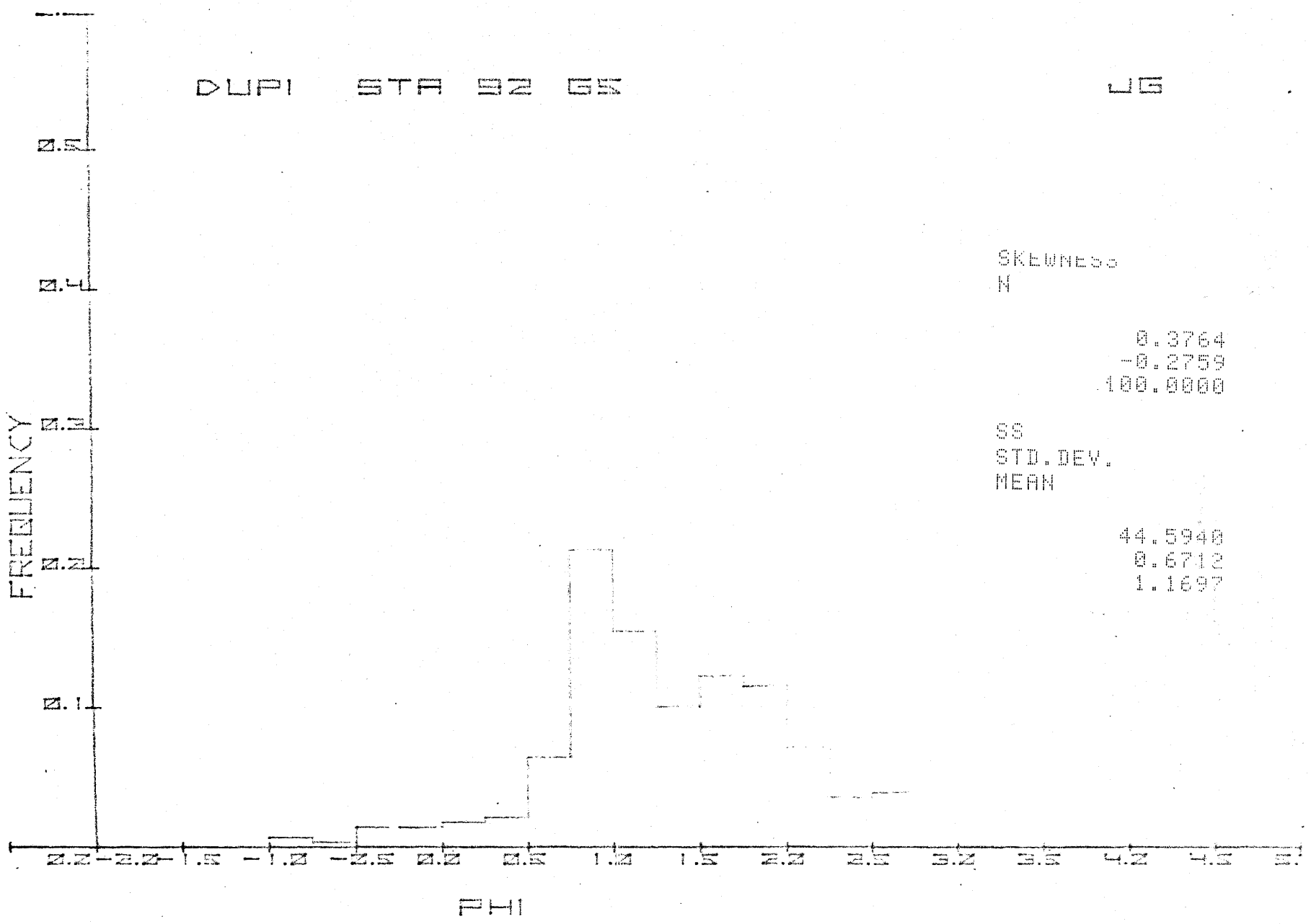

DUPI STA 06 E4
KU
SKEWNESS
N
0.0
-0.1
100.0
SS
STD.DEV.
MEAN
27.4
0.5
2.1
FREQUENCY
0.5
0.4
0.3
0.2
0.1
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
PHI

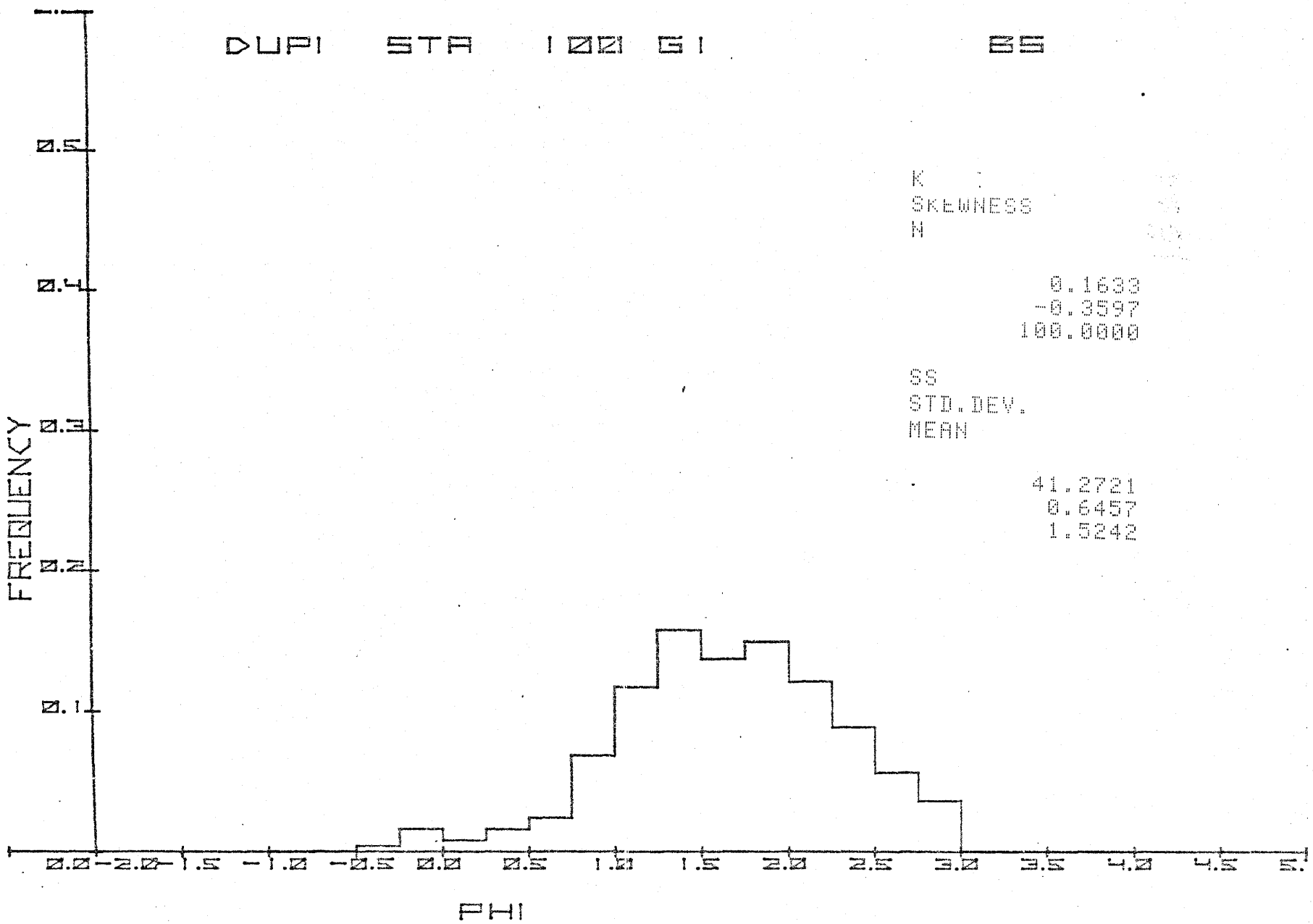

DUPI STA 05 GS SS
SKEWNESS
N
-0.[illegible]
0.4402
100.0000
SS
STD.DEV.
MEAN
30.9295
0.5589
1.8105
PHI

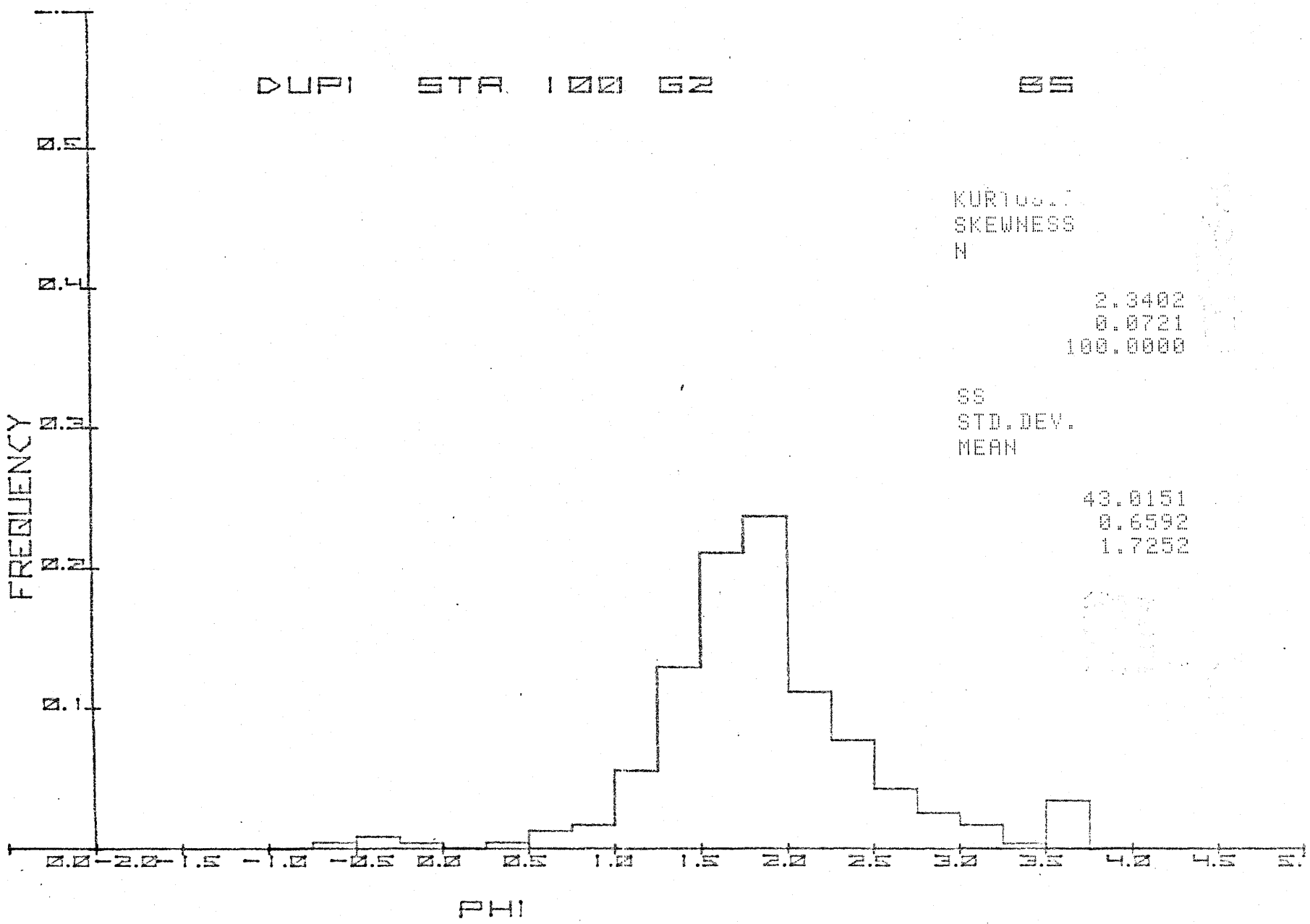

DUPI STA 92 G2
JG
M
S
N
1.6154
0.8260
100.0000
SS
STD.DEV.
MEAN
65.6836
0.8145
1.2841
FREQUENCY
0.5
0.4
0.3
0.2
0.1
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

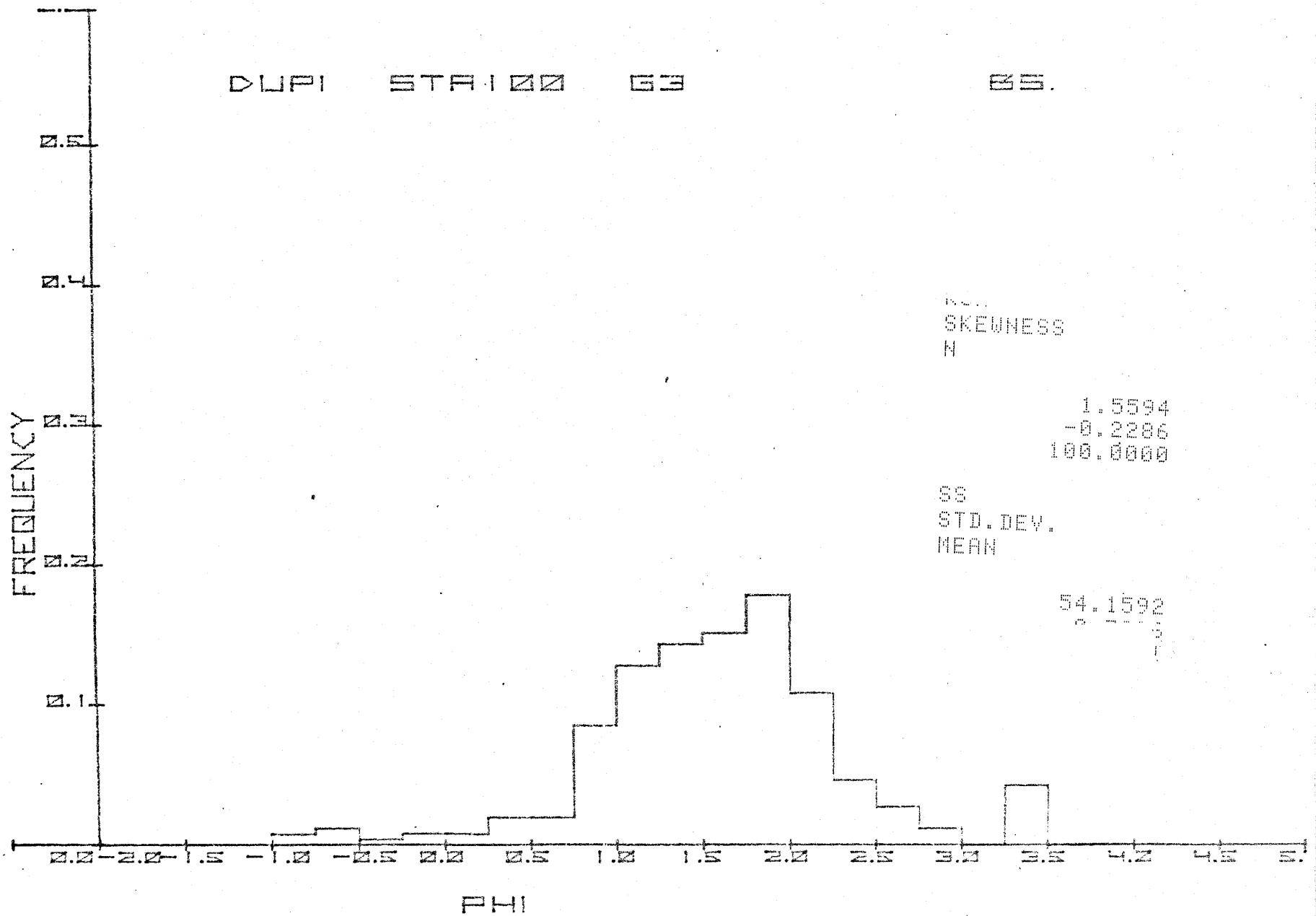

DUPI 63 STA 92
JG
K
SKEWNESS
N
1.2707
0.1887
100.0000
SS
STD.DEV.
MEAN
55.0796
0.7459
1.1383
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
PHI

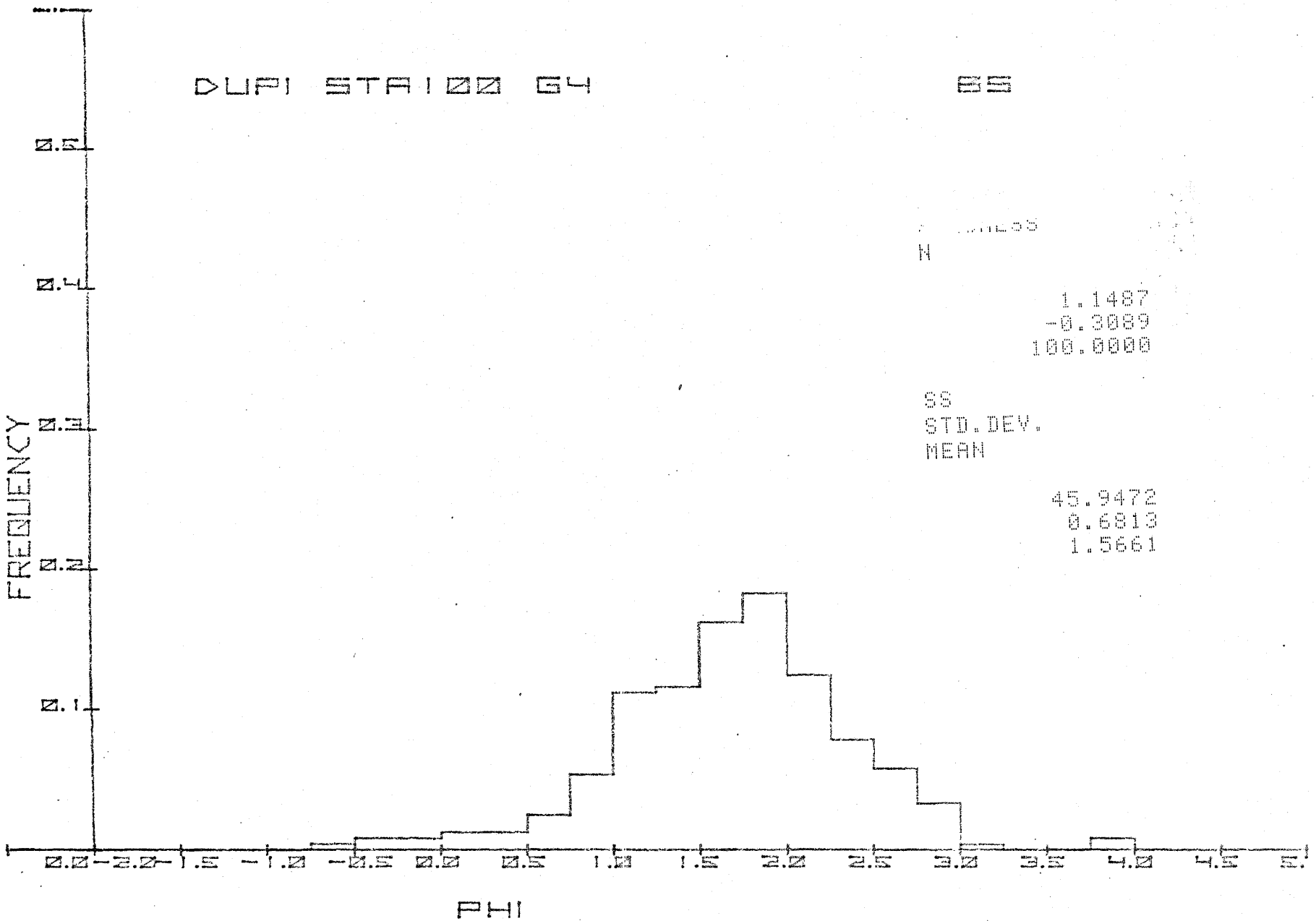

DUPI STA 92 G4
JG
KL
SKEWNESS
N
0.3405
-0.0518
100.0000
SS
STD.DEV.
MEAN
36.3924
0.6063
1.3137
FREQUENCY
0.6
0.4
0.3
0.2
0.1
PHI

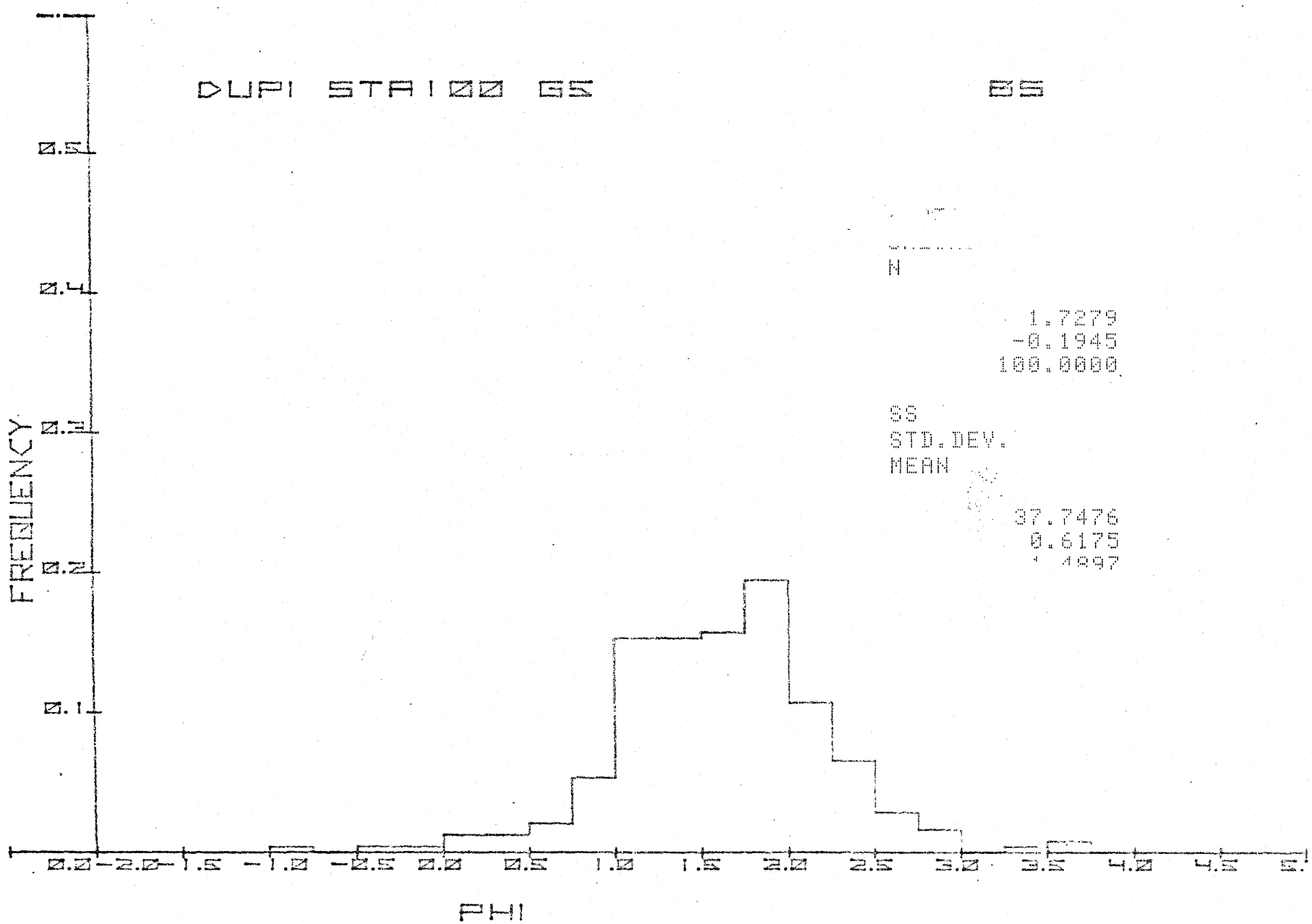

DUP1 STA 92 G5
JG
SKEWNESS
N
0.3764
-0.2759
100.0000
SS
STD.DEV.
MEAN
44.5940
0.6712
1.1697
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.2 -2.2 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI


DUPI STA 100 G1 BS
K
SKEWNESS
N
0.1633
-0.3597
100.0000
SS
STD.DEV.
MEAN
41.2721
0.6457
1.5242
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI

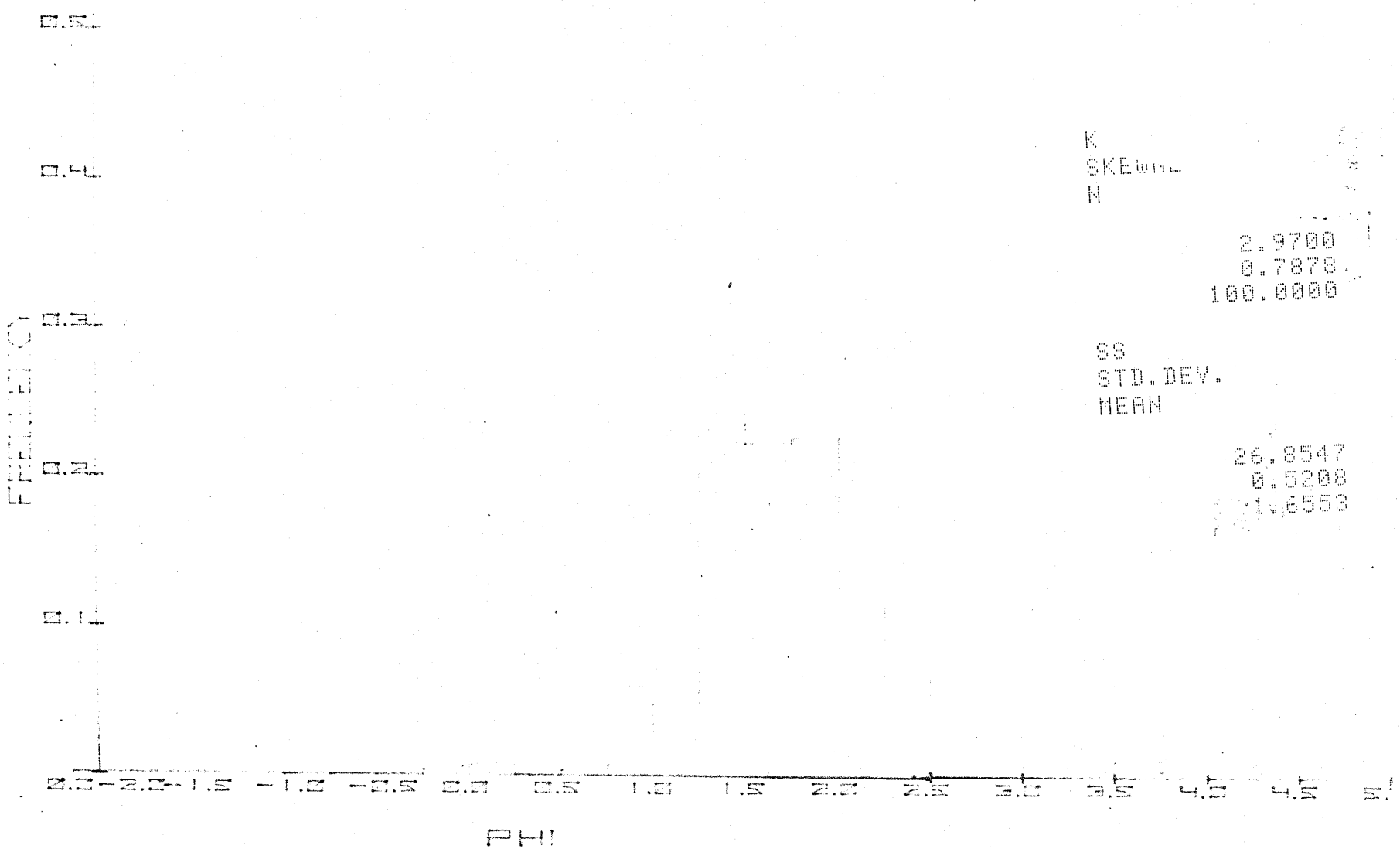

DUPI STA 100 G2
85
KUR
SKEWNESS
N
2.3402
0.0721
100.0000
SS
STD.DEV.
MEAN
43.0151
0.6592
1.7252
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI


DUPI STA100 G3 85.
SKEWNESS
N
1.5594
-0.2286
100.0000
SS
STD.DEV.
MEAN
54.1592
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.
PHI


DUPI STA100 G4
85
N
1.1487
-0.3089
100.0000
SS
STD.DEV.
MEAN
45.9472
0.6813
1.5661
FREQUENCY
0.0
0.1
0.2
0.3
0.4
0.5
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
PHI


DUPI STA100 GS
BS
N
1.7279
-0.1945
100.0000
SS
STD.DEV.
MEAN
37.7476
0.6175
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

DUPI STA 10H G1 BS



SKEWNESS	1.4350
N	-0.0572
	100.0000
SS	44.5996
STD.DEV.	0.6712
MEAN	1.5052

DupI STA 102 G3 BS

SKEWNESS
N

1.5974
-0.4726
100.0000

SS
STD.DEV.
MEAN

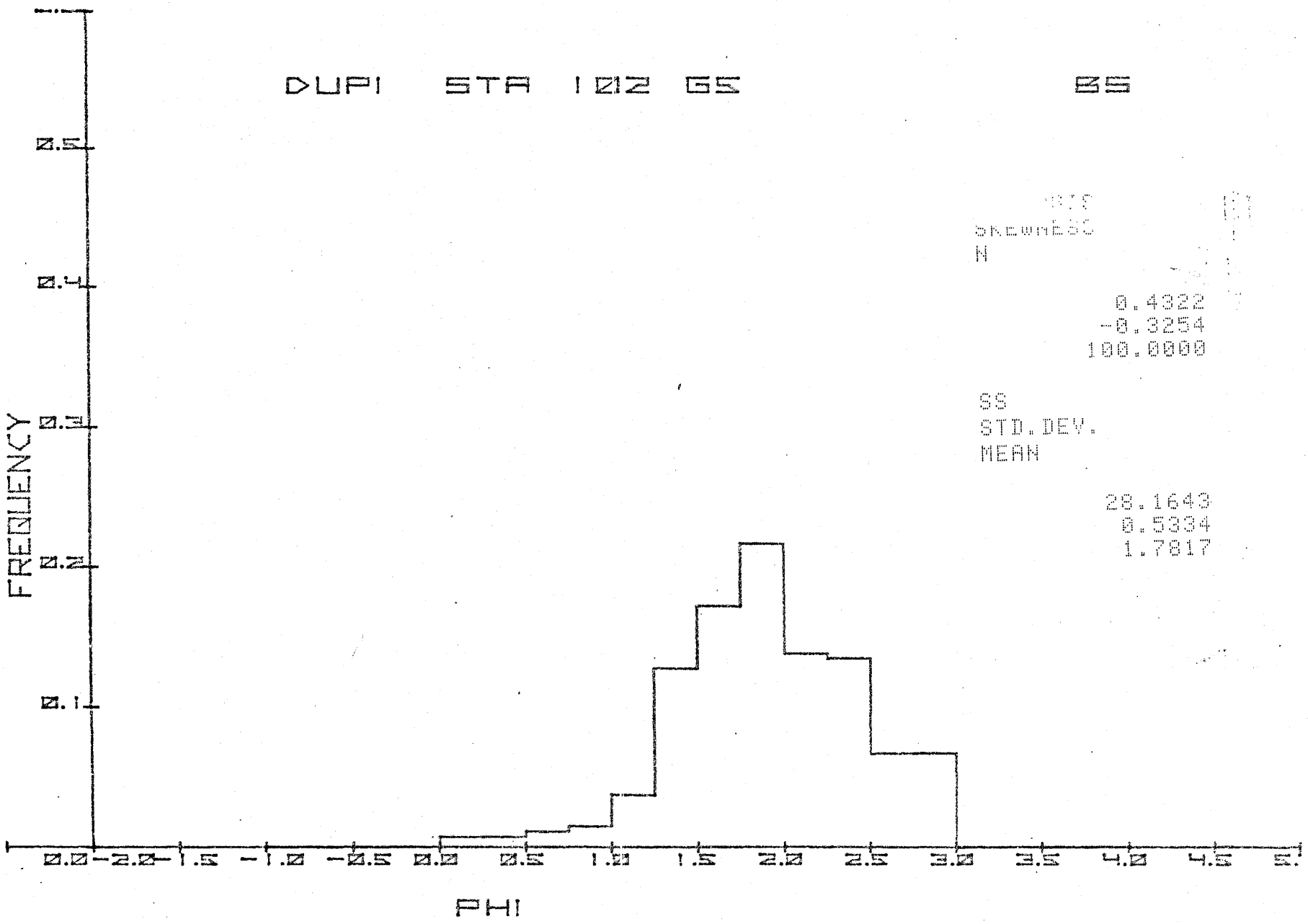
14.2086
0.3788
1.6515

SKEW.
N

0.7989
0.2695
100.0000

SS
STD.DEV.
MEAN

23.2863
0.4850
1.6191


DUPI STA 102 GS
BS
SKEWNESS
N
0.4322
-0.3254
100.0000
SS
STD.DEV.
MEAN
28.1643
0.5334
1.7817
FREQUENCY
0.5
0.4
0.3
0.2
0.1
0.0
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.
PHI

INDEX

Section V.5. Predictions of Effects on Living Marine Resources in the Alternate Disposal Sites.

	Page
Degradation of Benthic Communities:.....	1
Effects of Living Marine Resources - Ichthyoplankton	6
References.....	7

V.5. Predictions of Effects on Living Marine Resources in the Alternate Disposal Sites.

Degradation of Benthic Communities: Disposal of sewage sludge and dredging spoils in the New York Bight has had a demonstrable effect on benthic assemblages and associated physical factors. As indicated in previous paragraphs the diversity and abundance of the benthic fauna has been reduced in those areas receiving sludge and spoils and in certain instances the sediments have been rendered anoxic and devoid of normal benthic macrofauna.

In addition to change in the benthic macrofauna, measurable changes have occurred in the sediments including: increases in heavy metals, buildup of longer chain hydrocarbons and increased organic matter content. Numerous studies have documented the effects of elevated heavy metals on marine organisms (National Academy of Sciences, 1975a). The direct and more subtle indirect effects of petroleum derived petrochemicals are perhaps less well understood but sufficient evidence exists to indicate that contaminantion of the water column and sediment-water interface may prove deleterious to marine life (American Petroleum Institute, 1975; Academy of Sciences, 1975ab).

Seabed oxygen consumption studies suggest that benthic environments loaded with highly organic dredging spoils and sewage sludge may be highly stressed because of reducing

conditions which might result because of the rapid oxidation of organic matter. Certain data suggest that the sediments receiving dredging spoils and sludge may have extremely large microbial populations which utilize the organic matter as a substrate.

At the present time it is extremely difficult to predict the consequences of ocean disposal of dredging spoils and sewage sludges on benthic community structure within the proposed EPA interim alternate disposal sites located between the 20 and 35 fathom lines.

Several things must be known before a prediction can be made: 1) what is the nature of the benthic fauna and flora within the alternate sties? 2) how does the fauna and flora vary seasonally and are the areas occupied periodically by migrating species of finfish and natatory shellfish? 3) will dumping be done at a single point or randomly at a series of dumping stations? 4) at what rate will the various (differences in size and diversity) sludge related particles settle and how are they moved (direction and rate) before they contact the bottom? 5) how will currents, waves and other forces affect the particles once they contact the water-sediment interface? and 6) what is the nature and <u>future</u> characteristics of the sludges? Possible improvements in sewage treatment may result

in more, or less, sludge having characteristics quite different from the materials presently being disposed of.

In spite of these unknowns and imponderables some statements can be made. Although the water depths at the proposed alternate dump sites are greater, it is quite likely that certain fractions of the sewage sludge will reach the sediment-water interface. A number of papers are of value in predicting the settlement of sludges and other solid wastes (Burd, 1968; Tyneside Joint Sewerage Board, 1969; Boyd et al., 1972). In most instances these papers consider both theoretical and empirically determined actions of sludge and solid wastes in water. More recently, Drake (1975) discussed the movement of suspended or entrained material in the New York Bight apex.

Perhaps more important than the foregoing papers, the recent studies by Mackay, Halcrow and Thornton (1972), and Steele et al. (1973) indicate that sewage sludges can reach the sediment-water interface where they accumulate sufficient to significantly increase the heavy metal and organic carbon content of bottom sediments in waters up to 50 fathoms ($\sim$100 m) in depth. Mackay, Halcrow and Thornton (1972) measured amounts of organic carbon and metals in sediments of the Firth of Clyde receiving sludges which were similar to those amounts observed repeatedly in the New York Bight apex. This was true even

though the Clyde sludges total only about one million tons per year, about one-fifth the amount dumped in the Bight, and the receiving waters are 50 fathoms in depth. Steele et al. (1972) found experimentally that amounts of copper similar to those in the Clyde sewage sludge disposal area could affect the growth rate of fish. Moreover, they found that the bivalve Tellina accumulated copper to a level 5 times background values. Other studies by this research group indicated that the eggs, and perhaps larvae, of herring were affected by relatively small amounts of copper.

Recent measurements of sediment type, sediment heavy metal burdens and hydrocarbon contamination and benthic macro-invertebrate populations suggest that the proposed alternate sewage sludge disposal sites, and, in fact, the entire corridor between the 20 and 35 fathom bathymetry lines, has not been contaminated significantly by wastes and pollutants emanating from the Hudson River or by ocean dumping of sewage sludge and dredging spoils. Our present data form an excellent background against which change can be compared should experimental or active dumping be commenced at the alternate site.

Because of the present lack of knowledge in regard to foregoing items 1) through 6), and many others, it is impossible

to predict the total effects of offshore dumping on benthic and demersal resources except to say that observations made in other waters of comparable depths do indicate that sludge can reach the sediment-water interface and result in conditions similar to those observed in the New York Bight apex.

V (5) EFFECTS OF LIVING MARINE RESOURCES - ICHTHYOPLANKTON

Many investigations on oceanic dumping of acid wastes have been conducted without observing deteriorative effects on adult fish populations. The buffering potential and hydrolytic and dilution effects of saline oceanic waters have been deemed adequate to render such wastes innocuous insofar as fishery resources are concerned. However, there are indications that such dumping may indeed be harmful to egg and larval stages.

It has been presumed that the ferrous sulfate of acid wastes is immediately hydrolyzed into the seemingly innocuous flocculent ferric hydroxide. It now appears that the hydrolytic reactions are more complex than previously thought, and result in thin webs and sheets of a sticky gelatinous mass which may entrap the free-floating eggs and larvae. Kinne and Rosenthal (1967) tested the effects of four dilutions of sulfuric water pollutants. They concluded that the brown precipitate formed when the pollutants (largely $FESO_4$ and H_2SO_4) were added to sea water had deletious effects that often proved fatal to young herring, especially the eggs. The precipitate adhered to the eggs and, in so doing, hindered normal osmotic gas exchanges. They observed the following effects on:

Eggs

1) reduced percentage of successful fertilization
2) smaller fertilized eggs
3) shortened incubation period
4) retarded embryonic growth rate
5) increased heart beat, indicating physiological stress

Larvae

1) impaired -ocomotory performance
2) inability to catch prey
3) degrees of paralysis, body shrinkage and deformities

4) 100% mortality at maximum strength (1:8000)

Kinne and Rosenthal assumed that the poisonousness of the test media increased as a function of water temperature and, possibly, salinity. They concluded that at the minimum strength tested (1:33,000) the pollutants represent a danger to herring eggs and larvae.

REFERENCES

American Petroleum Institute.

1975. Proceedings, Conference on Prevention and Control of Oil Pollution. American Petroleum Institute, Wash., D.C. 612 p.

Drake, D.E.

1974. Suspended particulate matter in the New York Bight Apex: September-November 1973. NOAA Tech. Rep. ERL 318-MESA 1, Boulder, Colo. 53 p.

Kinne, O. and H. Rosenthal.

1967. Effects of sulfuric water pollutants on fertilization, embryonic development and larval of the herring, Clupea harengus. Mar. Biol. 1:65-83.

Mackay, D., W. Halcrow and I. Thornton.

1972. Sludge dumping in the Firth of Clyde. Mar. Poll. Bull. 3(1):7-10.

National Academy of Sciences.

1975a. Assessing potential ocean pollutants. Natl. Acad. of Sci., Washington, D.C. 438 p.

1975b. Petroleum in the marine environment. Natl. Acad. of Sci., Washington, D.C. 107 p.

Steele, J., A. McIntyre, P. Johnston, I. Baxter, G. Topping and H. Dooley.

1973. Pollution studies in the Clyde Sea area. Mar. Poll. Bull. 4(10):53-7.

V. 5. Fish and Shellfish Diseases.

The above cited findings of epizootic, possibly environmentally-related diseases in demersal finfishes, crabs, lobsters and small shrimp-like organisms of the New York Bight-Apex may reflect the cumulative effect of 40 years of dumping of millions of tons of waste material. Some of the cited studies have demonstrated that the epi-center of the disease is the Apex. Similar problems may be encountered in the proposed alternate dump-sites if large quantities of wastes are dumped for extended periods.

V. 6. Implications for the Public Health. The implications for the public health of ocean dumping in the proposed alternate (offshore) sites are difficult to define, owing to a lack of information on the oceanographic processes in effect at the sites. It is clear, however, that the hazards implicit in consumption of seafoods derived from the present sites would apply, equally or more so, to the alternate sites. These sites are subjected to intense fishing activity, both recreational and commercial. Here, however, the bulk of the fishing effort is commercial in nature and includes finfish, scallops and clams; the effect of the predominance of commercial fishing is to significantly increase and to expand geographically the human population at risk. We can conservatively assume that the R-factor is now or shortly would be found in the resident bacteria, thus complicating the treatment of illnesses. While toxic materials (heavy metals, hydrocarbons) seem now to be minimal in quantity, we may expect their build-up in the sediments and in the water column. We may also expect early contamination and probably closure of the clam and scallop beds.

V. Prediction of the fate and impact of material dumped at the alternative dump site areas.

7. Impact of cessation of dumping at existing dump site

Few if any case histories exist that are analogous or even comparable to a cessation of dumping in the New York Bight. Some contaminants such as heavy metals that are adsorbed to fine sediment materials will probably remain in the sediments for a long time to come. Existing high concentrations of metals in the Hudson Shelf Valley support this concept. However, dissolved oxygen concentrations near the bottom and in a considerable portion of the water column above the bottom should be appreciably higher in the absence of the constant "rain" of readily-oxidized organic particulates. This effect should be immediate and dramatic. A continuing, persistent oxygen demand will certainly occur for a considerable time due to the presence in the sediments of relatively refractory organic materials. It seems unlikely, however, that this long-term oxygen demand will lower dissolved oxygen concentrations sufficiently to have an adverse effect on most bottom-dwelling organisms.

It does seem likely that storm waves will disturb sediments from time to time and expose contaminants that lie buried. Indicative of such past disturbances is the interbedding of organic-rich black mud with