The Continuing State Assessment of the Environmental Impacts of Operation of the Hart-Miller Island Containment Facility

Sixth Annual Data Report
August 1986-August 1987

Submitted to

Maryland Water Resources Administration
Prepared for

Maryland Port Administration
by

Department of Natural Resources
Tidewater Administration

January 1989

FOREWORD

The sixth annual data report represents the results of monitoring of the Hart-Miller Island dredge containment facility conducted from August 1986 through August 1987. Data from each of the principal investigators are included. Also included are printouts for the Resource Monitoring Data Storage System. There is no data from Project I because this is a scientific coordinating and data managing project. This is the companion to an associated interpretive report titled " The continuous State Assessment of the Environmental Impacts of Operation of the Hart-Miller Island Containment Facility, Sixth Annual Interpretive Report (January 1989)."

TABLE OF CONTENTS

List of Figures iii

List of Tables iv

Project II- Sedimentary Environment 1
Sedimentary Environment 2
Introduction. 2
Methodology 2
Field Procedures 2
Laboratory Procedures. 3

BEACH EROSION STUDY 9
Introduction 9
Methodology 9
Field Procedures 9
Laboratory Methods 9

References 60

Project III- Benthic Studies. 61
Benthic Studies 62
Data Collection 65

Project IV- Analytic Services 119
Lab Data 121

Resource Monitoring Data Storage System Output 137
Project II - Sedimentary Environment 138
Project III - Benthic Studies 159
Project IV - Analytic Services 188

List of Figures

Project II- Sedimentary Environment

Figure 1: Locations of surficial sediment and core stations. 4

Figure 2: Ternary diagram showing Shepard's (1954) classification of sediment type 6

Figure 3: Locations of profile lines along the recreational beach between Hart and Miller Islands. 10

Figure 4: Established baseline.. 11

Project III- Biota

Figure 1: Infaunal and Epifaunal Sampling Stations - University of Maryland Designations 63

Figure 2: Infaunal and Epifaunal Sampling Stations - State of Maryland Designations 64

List of Tables

Project II- Sedimentary Environment

Table 1: Wenthworth size nomenclature 7

Table 2: LORAN-C and geographic coordinates of surficial sediment and core stations sampled during the sixth monitoring year 12

Table 3: LORAN-C and geographic coordinates of fixes defining the boat path during acoustic surveying, April 21, 1987 13

Table 4: Field descriptions of surficial sediment samples November 20, 1986. 16

Table 5: Sedimentological parameters of surficial samples collected on November 20, 1986 18

Table 6: Trace metal analyses of surficial sediment samples collected on November 20, 1986 19

Table 7: Field descriptions of surficial sediment samples April 22, 1987 20

Table 8: Sedimentological parameters of surficial samples. April 22, 1987 25

Table 9: Trace metal analyses of surficial sediment samples. April 22, 1987 26

Table 10: Visual and radiographic observations of gravity cores. April 21, 1987 27

Table 11: Sedimentological parameters of subsamples taken from gravity cores. April 21, 1987 37

Table 12: Trace metal analyses of subsamples taken from gravity cores. April 21, 1987 39

Table 13: Azimuths for profile lines and angles between the established baseline and the profile stations. . . 41

Table 14: Distance and elevation data for Hart-Miller Island beach profiles.. 42

Table 15: Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the April 7-8, 1986 profiling survey (before beach regrading) 51

Table 16: Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the June 24-25, 1986 profiling survey (after beach regrading) 55

Table 17: Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the March 23-24, 1987 profiling survey (before beach regrading) 58

Project II - Sedimentary Environment
Sixth Year Data Report
November, 1986 - October, 1987

by

Lamere Hennesse, Robert Conkwright,
Robert Cuthbertson, James Hill, and June Park

Coastal and Estuarine Geology
Maryland Geological Survey
2300 St. Paul Street
Baltimore, MD 21218

PART 1
SEDIMENTARY ENVIRONMENT

INTRODUCTION

This report partially fulfills the requirements of a contract with the State of Maryland to assess the environmental impacts of construction and operation of the Hart-Miller Island Containment Facility. The reported data were collected under the Sedimentary Environment Project (Project II) of that contract, the primary objective of which was to identify the sedimentological and geochemical conditions of the near-surface sediment column in the vicinity of the Facility.

METHODOLOGY

Field Methods

The information presented in this report is based on analyses of samples collected on two cruises aboard the R/V Discovery during the sixth year of monitoring. Surficial sediment and core stations, established during the initial phase of this project, are shown in Figure 1. Sampling sites were located in the field by means of a LORAN-C navigational system. For the past four years, the same LORAN X and Y time delays (TD's) have been used to locate stations. In the Upper Bay, one X-TD unit equals 260 m (290 yd), and one Y-TD unit equals 151 m (165 yd). Over a given year, the variability of the X-TD may reach 0.3 units and the Y-TD, 0.2 units. LORAN-C TD's were converted to "corrected" latitudes and longitudes using a computer program that incorporates the results of a LORAN-C calibration in Chesapeake Bay (Halka 1988). The LORAN-C TD's, latitude, and longitude for each station are listed in Table 2.

Surficial sediment samples were collected in November 1986 and April 1987. Twenty-five stations were occupied during the fall cruise. Three additional stations--
15, 17, and 18--were reestablished during the spring cruise to provide better control in drawing contour maps of the measured parameters.

Undisturbed samples of the upper 8-10 cm of the sediments were obtained with a dip-galvanized Peterson Sampler. At least one grab sample was collected at each station for textural and trace metal analyses. At seven stations (3, 19, 21B, 23, 24, BC-3, and BC-6), a second grab sample was taken for organic contaminant analysis. At five stations (11, 21B, 24, BC-3, and BC-6), triplicate grab samples were collected. Each sediment sample was described lithologically (Tables 4 and 7) and then subsampled.

Sediment and trace metal subsamples were collected using plastic scoops rinsed with distilled water. These samples were taken several centimeters from the top, below the flocculent layer and away from the sides of the sampler, to avoid possible contamination by the grab sampler. They were placed in 18oz "Whirl-Pak" bags. Samples designated for textural analysis were stored out of direct sunlight at ambient temperatures. Those intended for trace metal analysis were refrigerated and maintained at 4°C for further processing.

Subsamples for organic analysis were collected with an aluminum scoop (rinsed with distilled water), placed in pre-treated glass jars, and immediately refrigerated. These were delivered to the Water Resources Technical Services Laboratory in Annapolis for analysis.

During the April cruise, one core was collected at each of the seven box core (BC) stations and at Station 21B (Figure 1) using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. Each core was cut and capped at the sediment-water interface and refrigerated until it was X-rayed and processed in the lab.

In order to obtain an acoustical profile of the Bay floor east of the facility, a series of eight transects, seven running east-west and one running north-south, were surveyed in April using the Datasonics DFT-210 and SBT-220 systems. The boat path for each transect was determined using the LORAN-C. At specific intervals during the survey, the boat's position was noted by recording LORAN-C time delays (TD's) while simultaneously marking the Datasonics' output record. The LORAN-C and geographic coordinates defining the boat path during the survey of each transect are presented in Table 3.

LABORATORY PROCEDURES

Radiographic Technique

Prior to processing, the upper 50 cm of each core were X-rayed at the Department of Radiology, Johns Hopkins Hospital, Baltimore, using a CTR kV X-ray unit (X-ray settings: 60kV, 400 mas, 40cm distance). A negative X-ray image of the core was obtained by xeroradiographic processing. On a negative xeroradiograph, denser materials such as sand or shells, produce a lighter image, while objects of lesser density permit easier penetration of X-rays and, therefore, appear as darker features. Photographs of the xeroradiographs appear in an appendix to the Sixth Year Interpretive Report.

Cores were then extruded, photographed, and described. Visual and radiographic observations of the cores are presented in Table 10. On the basis of these observations, sediment samples for textural and trace metal analyses were taken at selected intervals from each core.

Textural Analysis

In the laboratory, subsamples from both the surficial grabs and the gravity cores were analyzed for water content, sand/silt/clay content, and organic and carbonate content. Values of the measured textural parameters are tabulated separately for the surficial samples (Tables 5 and 8) and the core subsamples (Table 11).

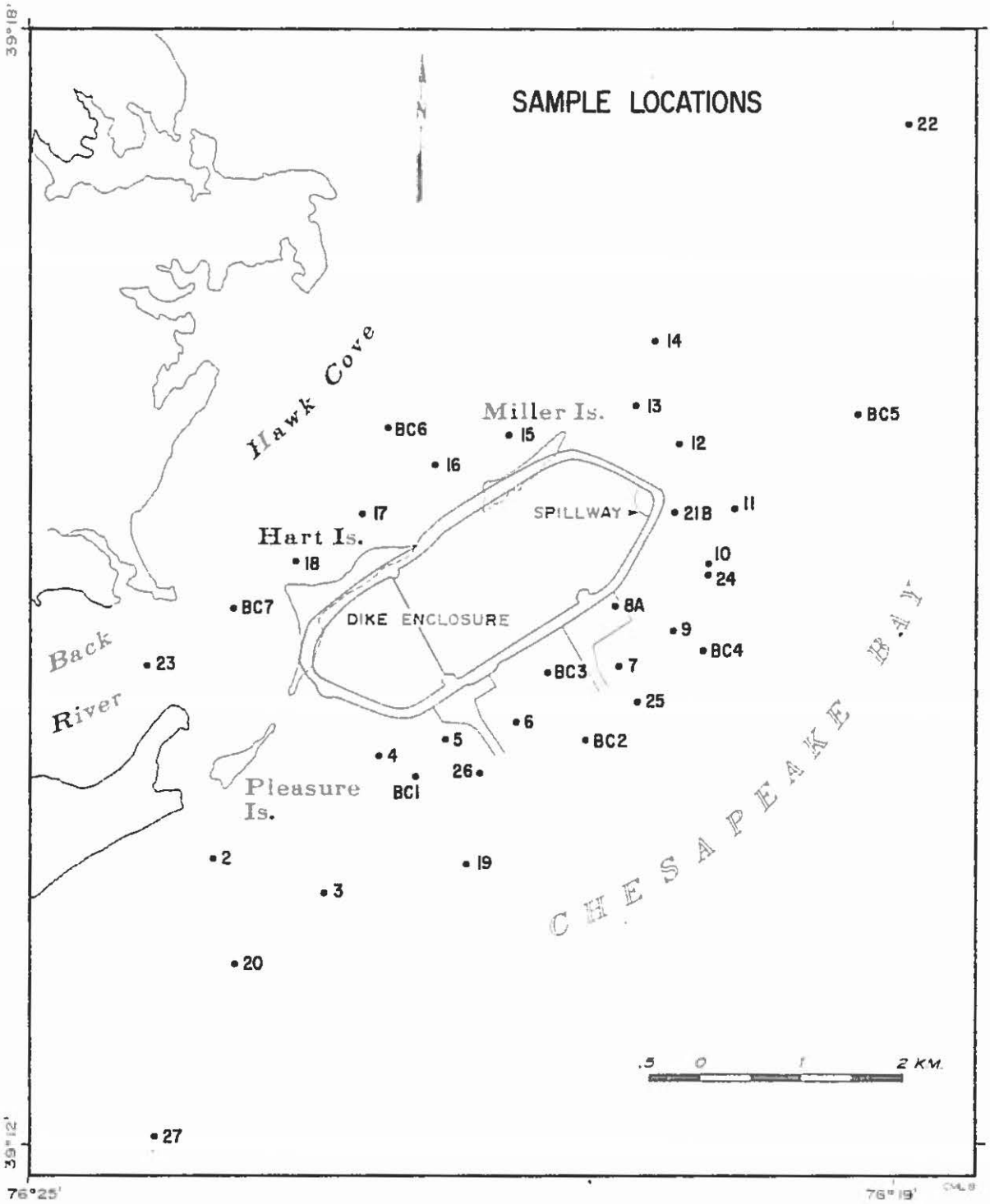

Figure 1: Locations of surficial sediment and coring stations.

Water content is calculated as the percentage of the water weight to the total weight of the wet sediment:

$$Wc = \frac{Ww}{Wt} \times 100,$$

where
Wc = water content (%)
Ww = weight of water (g)
Wt = weight of wet sediment (g).

Water weight is determined by weighing approximately 25 g of the wet sample, drying the sediment at 65°C, and reweighing it. The difference between total wet weight (Wt) and dry weight equals water weight (Ww). Bulk density was also determined from water content measurements.

The relative proportions of sand, silt, and clay were determined using the sedimentological procedures described in Kerhin et al. (1983). The sediment samples are pretreated with hydrochloric acid and hydrogen peroxide to remove carbonate and organic matter, respectively. The samples are then wet-sieved through a 62mm mesh to separate the sand from the mud (silt/clay) fraction (see Table 1 for Wentworth's classification of sand, silt, and clay). The finer fraction is analyzed using the pipette method to determine the silt and clay components. Each fraction is weighed; percent sand, silt, and clay are determined; and the sediments are catagorized according to Shepard's (1954) classification (Figure 2).

Organic and carbonate content is approximated by the percent weight loss due to sample preparation (i.e. pre-treatment with acid and peroxide).

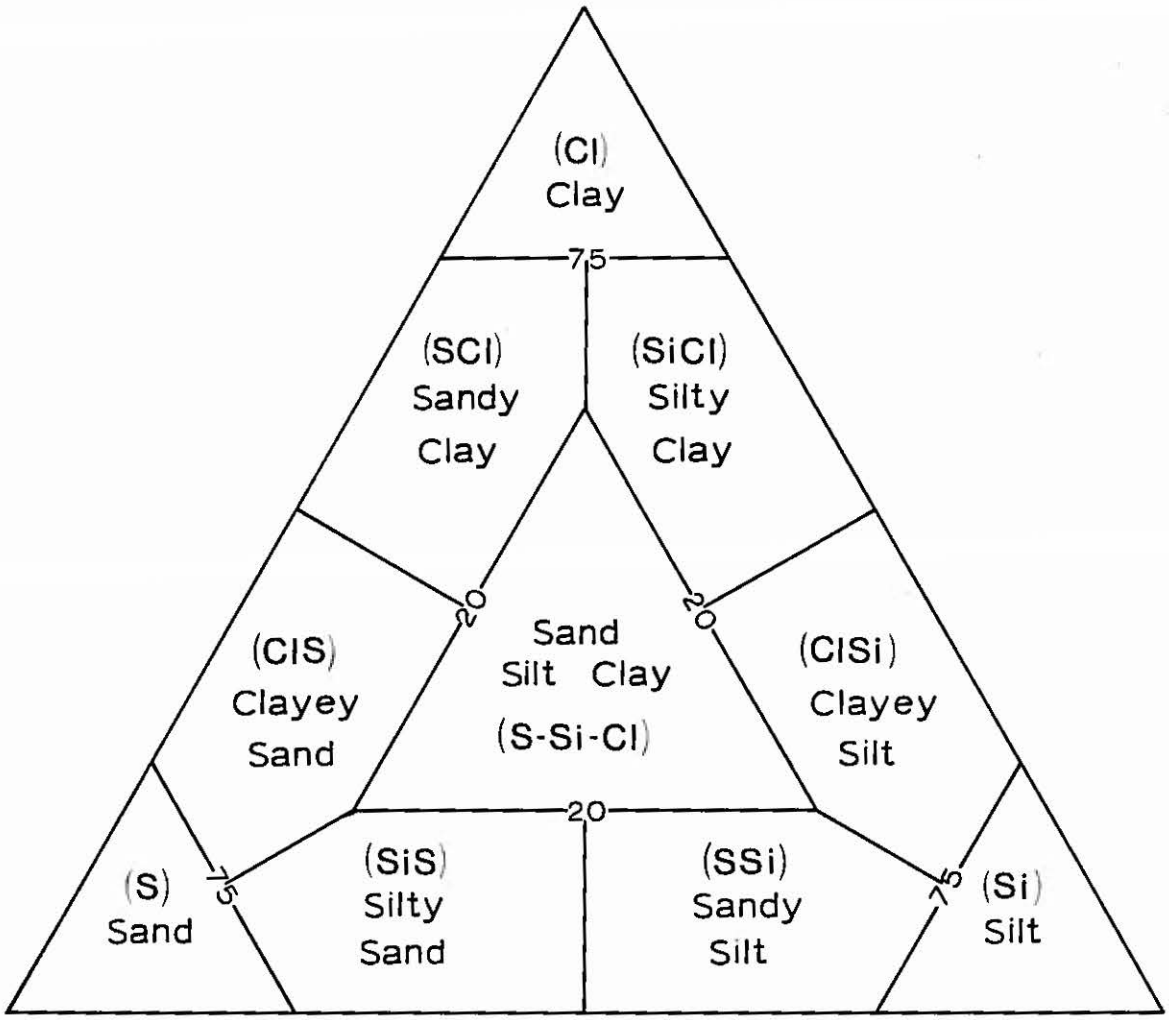

Figure 2: Ternary diagram showing Shepard's (1954) classification of sediment type.

Table 1: Wentworth size nomenclature

Diameter (mm)	Phi(ø)	Wentworth size class	
≥ 2.00	≤ -1.0	gravel	gravel
1.00 to 2.00	0.00 to -1.0	very coarse sand	
0.50 to 1.00	1.0 to 0.0	coarse sand	
0.25 to 0.50	2.0 to 1.0	medium sand	sand
0.125 to 0.25	3.0 to 2.0	fine sand	
0.0625 to 0.125	4.0 to 3.0	very fine sand	
0.0039 to 0.0625	8.0 to 4.0	silt	mud
≤ 0.0039	≥ 8.0	clay	

Trace Metal Analysis

Sediment solids were analyzed for six trace metals--iron (Fe), manganese (Mn), zinc (Zn), copper (Cu), chromium (Cr), and nickel (Ni)--using a lithium metaborate fusion technique, followed by flame atomic absorption spectrophotometry. The procedure, based on methods developed by Suhr and Ingamells (1966) for whole rock analysis, was refined specifically for the analysis of Chesapeake Bay sediments (Sinex et al. 1980; Sinex and Helz, 1981; Cantillo, 1982). The results of trace metal analysis are given in Tables 6 and 9 for surficial samples and in Table 12 for core subsamples.

The Maryland Geological Survey laboratory follows the steps outlined below for handling and preparing trace metals samples:

1) Samples are homogenized in the "Whirl-Pak" bags in which they were stored and refrigerated (4°C).

2) Approximately 10 g of wet sample is drawn into a modified "Leur-Loc" syringe fitted with a 1.25 mm polyethylene screen to remove shell material and large pieces of detritus.

3) Sieved samples are disaggregated in high-purity water and dried at 110°C overnight in teflon evaporating dishes.

4) Dried samples are then hand ground with an agate mortar and pestle and stored in "Whirl-Pak" bags.

5) Samples are weighed (0.2±0.0002 g) into a depression formed in $LiBO_2$ (1.00±0.01 g) at the bottom of drill-point graphite crucibles (7.8 cc vol).

6) The crucibles are placed in a highly regulated muffle furnace at 1050±5°C for 30 min.

7) The molten beads produced are poured directly into teflon beakers, containing 100 ml of a solution composed of 4% HNO_3, 1000 ppm La (from $La(NO_3)$, and stirred for 10 min. If dissolution does not occur within 30 minutes, the solution and bead are discarded and the sample is re-fused.

8) Dissolved samples are transferred to polyethylene bottles and stored for analysis.

All surfaces that come in contact with the samples are acid washed (3 days 1:1 HNO_3; 3 days 1:1 HCl), rinsed six times in high purity water (greater than 5 mega-ohms), and stored in high-purity water until use.

The dissolved samples are analyzed using the method of bracketing standards (Bouchard et. al 1965;Van Loon 1980). The instrumental parameters used to determine the solution concentrations of Cr, Ni, Zn, and Cu are the recommended, standard F.A.A.S. conditions given in the IL 751 manual (Emmel et al. 1977). Fe and Mn are analyzed using an acetylene-nitrous oxide flame in order to eliminate interferences due to Al and Si (Butler 1975). Blanks are run every 12 samples, and national Bureau of Standards Reference Material #1646 (Estuarine Sediment) is run five times for every 24 samples.

PART 2
BEACH EROSION STUDY

INTRODUCTION

Since the spring of 1984, the Maryland Geological Survey (MGS) has been assessing the erosional problems affecting the recreational beach between Hart and Miller Islands. The primary objectives of the study are to identify the erosional and depositional processes acting on the beach and to evaluate beach stability.

METHODOLOGY

Field Methods

The surveyed profile lines (Figure 3) were established in a previous monitoring year in the following manner. All profile elevations were transferred from Maryland Port Administration benchmark no. 28164 (elevation = 14.57' MLW), located approximately 22' east of the centerline of the dike roadway at Station 30+00. Because elevation is referenced to a datum plane (mean low water) traditionally reported in feet, all linear measurements in Part 2 of the report are given in feet, instead of metric units. Initially, each station along the centerline of the roadway was measured off in 100'increments with a steel tape. At each established profile line, a 1' steel spike was driven into the centerline of the roadway, flush with the road surface. The heads of the spikes were painted orange for easy identification. An azimuth was chosen approximately perpendicular to the centerline of the roadway (Table 13), and the point at which the profile line crossed the chain link fence was marked to ensure that the same line down the face of the beach was surveyed on successive occasions.

The location of each profile station was then referenced to the benchmark. With a theodolite set up over the benchmark, a baseline was established from the benchmark to the northern Craighill Channel Range light, south of Pleasure Island (Figure 4). The angles between the baseline and the profile stations are reported in Table 13.

The results of four beach surveys are included in this report: June 1986; September 1986; December 1986: and March 1987. Profile measurements, made by the leveling method of surveying (Bouchard and Moffit, 1965) using a self-leveling level, are accurate to 0.1' (3 cm). Distance and elevation data from each survey are presented in Table 14.

During the June 1986 and March 1987 surveys (immediately following and preceding beach regrading, respectively), sediment samples were collected along each profile at 50' intervals and at changes in slope.

LABORATORY METHODS

Beach sediment samples were processed using methods identical to those described in Part 1 (see Laboratory Methods: Textural Analysis). Percent gravel, sand, and silt/clay are listed in Tables 15-17 for the April 1986, June 1986, and March 1987 surveys, respectively.

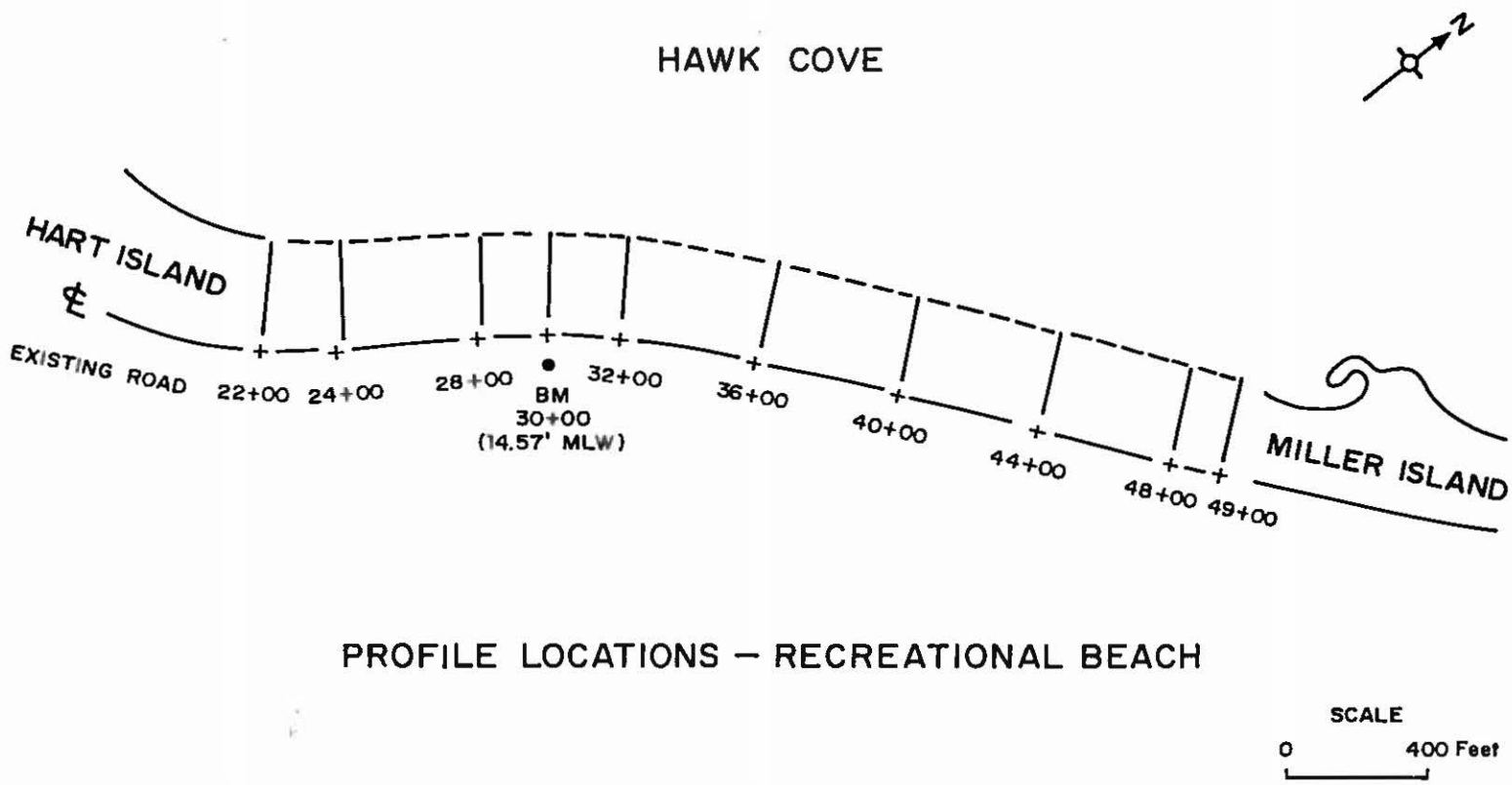

Figure 3: Loccations of profile lines along the recreational beach between Hart and Miller Islands.

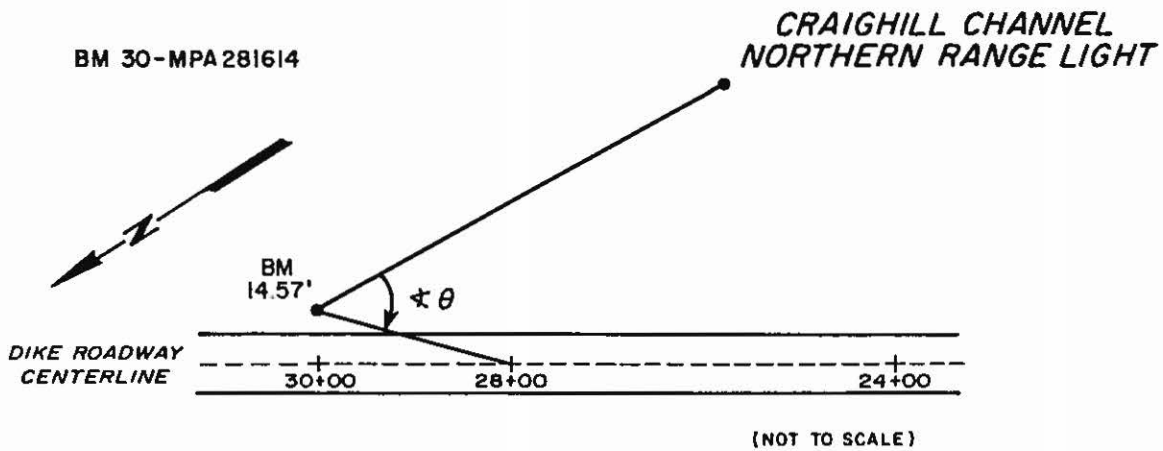

Figure 4: Established baseline.

Table 2: LORAN-C and geographic coordinates of surficial sediment and core stations sampled during the sixth monitoring year

Station number	LORAN-C time delays X	Y	Corrected* latitude(N) (deg, min, sec)	longitude(W)
2	27640.8	42888.1	39 13 32.2	76 23 43.8
3	27636.5	42886.5	39 13 21.7	76 22 58.1
4	27637.3	42895.6	39 14 5.4	76 22 35.5
5	27635.4	42897.0	39 14 10.8	76 22 7.9
6	27633.4	42898.5	39 14 16.6	76 21 38.9
7	27631.0	42902.6	39 14 34.5	76 20 56.0
8A	27632.3	42906.5	39 14 53.8	76 20 57.7
9	27629.9	42905.2	39 14 46.1	76 20 33.9
10	27630.0	42909.7	39 15 7.6	76 20 19.3
11	27630.2	42913.4	39 15 25.3	76 20 8.7
12	27633.3	42917.4	39 15 46.3	76 20 31.2
13	27635.5	42919.7	39 15 58.6	76 20 49.1
14	27636.1	42924.0	39 16 19.5	76 20 41.0
15	27639.2	42917.2	39 15 49.1	76 21 41.7
16	27641.1	42914.9	39 15 39.5	76 22 12.4
17	27642.6	42911.4	39 15 23.8	76 22 42.7
18	27643.9	42908.0	39 15 8.6	76 23 10.2
19	27632.3	42889.0	39 13 30.8	76 21 59.3
20	27638.1	42881.4	39 12 58.6	76 23 35.1
21B	27632.1	42912.9	39 15 24.1	76 20 32.9
22	27631.7	42939.2	39 17 29.0	76 18 55.7
23	27646.8	42900.5	39 14 35.0	76 24 11.5
24	27629.8	42909.0	39 15 4.1	76 20 19.3
25	27629.7	42900.4	39 14 23.2	76 20 48.3
26	27633.6	42895.0	39 14 0.1	76 21 53.6
27	27637.4	42869.7	39 12 2.7	76 24 8.1
BC-1	27635.7	42894.5	39 13 59.1	76 22 20.3
BC-2	27630.7	42897.6	39 14 10.5	76 21 10.0
BC-3	27633.3	42901.9	39 14 32.6	76 21 25.8
BC-4	27628.5	42904.0	39 14 39.5	76 20 21.5
BC-5	27627.8	42920.1	39 15 55.6	76 19 16.9
BC-6	27643.4	42917.1	39 15 51.4	76 22 32.0
BC-7	27645.0	42904.6	39 14 53.2	76 23 35.4

* Latitude and longitude were derived from LORAN-C TD's using a computer program that incorporates the results of a LORAN-C calibration in Chesapeake Bay (Halka, 1987).

Table 3: LORAN-C and geographic coordinates of fixes defining the boat path during acoustic surveying, April 21, 1987

Tic mark	LORAN C time delays X	Y	Corrected* latitude(N) (deg, min, sec)	longitude(W)
Transect A (west to east)				
Start	27635.0	42916.0	39 15 40.7	76 20 56.3
1	27634.0	42916.1	39 15 40.6	76 20 44.1
2	27633.0	42915.8	39 15 38.5	76 20 33.3
3	27632.0	42916.0	39 15 38.8	76 20 20.7
4	27631.0	42915.9	39 15 37.7	76 20 9.3
5	27630.0	42916.3	39 15 38.9	76 19 56.1
6	27629.0	42915.8	39 15 35.9	76 19 46.1
7	27628.0	42915.8	39 15 35.3	76 19 34.2
8	27627.0	42915.8	39 15 34.6	76 19 22.5
9	27626.0	42915.8	39 15 34.0	76 19 10.7
End	27625.0	42915.9	39 15 33.8	76 18 58.6
Transect C (east to west)				
Start	27625.0	42912.0	39 15 15.3	76 19 12.2
1	27626.0	42912.0	39 15 15.9	76 19 24.0
2	27627.0	42912.0	39 15 16.6	76 19 35.8
3	27628.0	42911.9	39 15 16.7	76 19 47.9
4	27629.0	42911.9	39 15 17.4	76 19 59.8
5	27630.0	42912.1	39 15 19.0	76 20 10.9
6	27631.0	42912.0	39 15 19.1	76 20 23.0
End	27632.0	42912.0	39 15 19.8	76 20 34.8
Transect E (west to east)				
Start	27632.0	42908.1	39 15 1.2	76 20 48.6
1	27631.0	42907.9	39 14 59.6	76 20 37.4
2	27630.0	42907.9	39 14 59.0	76 20 25.6
3	27629.0	42907.9	39 14 58.4	76 20 13.8
4	27628.0	42908.0	39 14 58.2	76 20 1.6
5	27627.0	42908.0	39 14 57.5	76 19 49.8
6	27626.0	42908.0	39 14 56.9	76 19 38.0
End	27625.0	42907.9	39 14 55.8	76 19 26.5

Table 3 (cont.): LORAN-C and geographic coordinates of fixes defining the boat path during acoustic surveying, April 21, 1987

Tic mark	LORAN C time delays X	Y	Corrected* latitude(N) (deg, min, sec)	longitude(W)
Transect G (east to west)				
Start	27625.0	42904.0	39 14 37.2	76 19 40.2
1	27626.0	42904.0	39 14 37.9	76 19 52.0
2	27627.0	42903.9	39 14 38.0	76 20 4.1
3	27628.0	42904.0	39 14 39.2	76 20 15.6
4	27629.0	42904.0	39 14 39.8	76 20 27.4
5	27630.0	42904.0	39 14 40.5	76 20 39.3
6	27631.0	42904.0	39 14 41.1	76 20 51.1
7	27632.0	42904.0	39 14 41.8	76 21 3.0
End	27633.0	42904.0	39 14 42.4	76 21 14.8
Transect I (west to east)				
Start	27634.8	42900.0	39 14 24.6	76 21 50.3
1	27633.8	42899.9	39 14 23.5	76 21 38.7
2	27633.0	42900.0	39 14 23.4	76 21 28.9
3	27632.0	42900.0	39 14 22.8	76 21 17.0
4	27631.0	42900.0	39 14 22.1	76 21 5.1
5	27630.0	42899.9	39 14 21.0	76 20 53.6
6	27629.0	42900.0	39 14 20.8	76 20 41.5
7	27628.0	42900.2	39 14 21.1	76 20 29.0
8	27627.0	42900.1	39 14 20.0	76 20 17.4
9	27626.0	42900.0	39 14 18.9	76 20 5.9
End	27625.0	42899.9	39 14 17.8	76 19 54.5
Transect K (east to west)				
Start	27627.0	42896.0	39 14 .5	76 20 31.8
1	27628.0	42895.9	39 14 .7	76 20 44.0
2	27629.0	42895.9	39 14 1.3	76 20 55.8
3	27630.0	42895.8	39 14 1.5	76 21 8.0
4	27631.0	42895.9	39 14 2.6	76 21 19.6
5	27632.0	42896.0	39 14 3.8	76 21 31.1
6	27633.0	42896.0	39 14 4.5	76 21 43.0
7	27634.0	42895.8	39 14 4.2	76 21 55.5
8	27635.0	42895.9	39 14 5.3	76 22 7.1
9	27636.0	42896.1	39 14 6.9	76 22 18.3
End	27637.0	42896.0	39 14 7.1	76 22 30.5

Table 3 (cont.): LORAN-C and geographic coordinates of fixes defining the boat path during acoustic surveying, April 21, 1987

Tic mark	LORAN-C time delays X	Y	Corrected* latitude(N) (deg, min, sec)	longitude(W)
Transect M (west to east)				
Start	27638.0	42891.7	39 13 47.4	76 22 57.6
1	27637.0	42891.9	39 13 47.6	76 22 45.0
2	27636.0	42891.9	39 13 47.0	76 22 33.1
3	27635.0	42892.0	39 13 46.8	76 22 20.8
4	27634.0	42892.0	39 13 46.1	76 22 8.9
5	27633.0	42892.0	39 13 45.5	76 21 57.0
6	27632.0	42891.9	39 13 44.3	76 21 45.5
7	27631.0	42892.0	39 13 44.1	76 21 33.3
End	27630.0	42892.0	39 13 43.5	76 21 21.4
Transect 2 (south to north)				
Start	27630.0	42892.0	39 13 43.5	76 21 21.4
1	27630.1	42894.0	39 13 53.0	76 21 15.5
2	27630.1	42896.0	39 14 2.5	76 21 8.5
3	27630.0	42898.0	39 14 12.0	76 21 .3
4	27629.9	42900.0	39 14 21.4	76 20 52.1
5	27629.9	42902.0	39 14 30.9	76 20 45.1
6	27630.0	42904.0	39 14 40.5	76 20 39.3
7	27630.0	42906.0	39 14 50.0	76 20 32.2
8	27630.0	42908.0	39 14 59.5	76 20 25.2
9	27629.9	42910.0	39 15 8.9	76 20 17.0
10	27629.9	42912.0	39 15 18.4	76 20 10.0
11	27630.0	42914.0	39 15 28.0	76 20 4.2
End	27630.1	42916.0	39 15 37.6	76 19 58.3

* Latitude and longitude were derived from LORAN-C TD's using a computer program that incorporates the results of a LORAN-C calibration in Chesapeake Bay (Halka, 1987).

Table 4: Field descriptions of surficial sediment samples collected on November 20, 1986

Station number	Water depth (ft.)	Description
2	10.5	Reddish-brown sand; gray-brown mottling; some shells (fragments); live Rangia cuneata - large
3	17.0	Thick floc on top; medium to dark gray, smooth mud; gradually becomes cohesive; some shells on top; sandier with depth
4	14.5	Floc on top; light gray, smooth mud - gets darker; reddish-brown areas; 10 cm thick, creamy reddish-pink mud at depth; no shells
5	16.5	Creamy, hard, smooth, light gray (sediment); medium gray mixed in; sticky; few shells on top
6	17.0	Creamy, smooth, mottled light to medium gray, soft; few shells
7	18.0	Floc, shells on top; medium gray to darker (gray) with depth, increasingly cohesive, cottage cheese mixture
8A	15.0	Light to medium gray and tan sandy mud; shells and plants on top; pockets of creamy tan mud
9	20.0	Lots of dead shells; medium to dark gray mud; shells throughout
10	16.5	Medium brown sandy mud; pockets (of) dark gray; shells - R. cuneata
11	17.0	Medium brown muddy sand; lots of shells; adult R. cuneata; shells prevented taking good grab
12	11.5	Brown to gray sandy mud; few shells, plant material, after 10 cm, becomes dark gray mud
13	10.5	Reddish-brown coarse to medium sand with pockets of gray clayey mud
14	14.5	Some shells on top; medium gray, smooth mud
16	12.0	Medium to dark gray mud; shells on top; darker with depth
19	19.0	Lots of shells on top; smooth, light gray mud, darker with depth; cohesive

Table 4 (cont.): Field descriptions of surficial sediment samples collected on November 20, 1986

Station number	Water depth (ft.)	Description
20	16.0	Mixture (of) light and dark gray, creamy fluid mud layer on top; some shells on top
21B	15.0	Light tan layer over medium to dark gray sandy mud; lots of shells in top; last few grabs had yellowish mud
22	12.0	Brown to gray sandy mud; some shells, fragments, *R. cuneata*
23	12.0	Dark gray, gritty mud; lots of plant fibers
24	18.0	Dark gray sandy mud; lots of shells - dead *R. cuneata*, *Crassostrea virginica*; first two grabs muddy; second two shelly
25	18.5	Lots of dead shells; medium to dark gray mud; shells throughout
26	17.0	Light gray, smooth mud; shell layer on top, copepods; darker gray with depth; not as stiff as Station 5 - similar appearance throughout
27	16.0	Medium gray to dark gray; cohesive; shell layer on top; thick floc; oxidized burrowing
BC-3	15.5	Light gray to medium gray, smooth mud; gets more cohesive with depth
BC-6	13.0	Dark gray cohesive mud; some shells on top; cottage cheese texture

Table 5: Sedimentological parameters of surficial samples collected on November 20, 1986

Station number	Water (%)	Sand (%)	Silt (%)	Clay (%)	Shepard's class	Weight loss (%)**
2	23.83	99.11	0.57	0.31	Sa	2.42
3	50.87	46.82	23.88	29.30	SaSiCl	15.23
4	60.15	3.12	58.34	38.54	ClSi	15.71
5	42.25	4.60	50.05	45.35	ClSi	10.80
6	51.42	0.60	47.34	52.06	SiCl	14.81
7	61.91	2.42	38.34	59.24	SiCl	20.67
8A	21.16	74.16	15.34	10.49	SiSa	16.78
9	60.29	2.49	38.69	58.82	SiCl	21.49
10	22.31	93.67	2.66	3.67	Sa	4.44
11_1	27.30	88.34	4.73	6.93	Sa	2.50
11_2	25.65	92.02	3.20	4.78	Sa	2.89 OK
11_3	26.31	86.71	5.25	8.04	Sa	8.12
12	27.24	79.34	12.25	8.42	Sa	6.46
13	24.25	93.28*	4.01	2.70	Sa	2.73
14	62.50	1.23	47.11	51.65	SiCl	15.72
16	50.34	25.53	37.12	37.34	SaSiCl	13.31
19	63.48	0.46	38.09	61.45	SiCl	19.00
20	63.07	1.77	42.24	55.99	SiCl	16.73
$21B_1$	25.54	29.43	56.99	13.58	SaSi	10.27 - NOT Found yet
$21B_2$	27.31	58.12	30.26	11.62	SiSa	15.17 OK
$21B_3$	24.75	53.81	35.49	10.70	SiSa	7.40
22	25.78	86.98	6.07	6.96	Sa	4.20
23	47.18	47.86*	28.85	23.29	SaSiCl	9.31
24_1	31.79	73.98	10.53	15.49	ClSa	12.13
24_2	39.86	65.77	14.78	19.45	ClSa	16.44
24_3	29.27	81.27*	7.83	10.90	Sa	7.81
25	60.09	1.32	39.54	59.15	SiCl	20.17
26	59.22	0.63	39.82	59.54	SiCl	15.55
27	61.23	2.48*	36.15	61.37	SiCl	20.66
$BC\text{-}3_1$	52.26	10.30	49.99	39.71	ClSi	13.07
$BC\text{-}3_2$	55.79	11.74	49.90	38.36	ClSi	19.29 OK
$BC\text{-}3_3$	59.19	9.47	48.61	41.92	ClSi	19.83
$BC\text{-}6_1$	63.37	2.01	34.05	63.94	SiCl	17.84
$BC\text{-}6_2$	63.30	1.92	36.51	61.56	SiCl	19.28 OK
$BC\text{-}6_3$	63.11	2.19	38.14	59.67	SiCl	17.69

* includes less than 1% gravel

** weight loss after cleaning approximates the organic and carbonate content of the sample

Table 6: Trace metal analyses of surficial sediment samples collected on November 20, 1986

Station number	Cr µg/g	Cu µg/g	Fe wt.%	Mn µg/g	Ni µg/g	Zn µg/g
2	22.2	bdl*	0.44	496	11.9	24.1
3	100.0	30.1	3.32	3681	60.2	212.2
4	100.0	37.7	3.90	3309	60.2	234.6
5	100.1	34.0	3.51	825	54.2	161.5
6	100.0	30.2	3.95	969	35.9	124.9
7	116.3	41.5	4.81	1966	78.8	296.7
8A	37.4	15.1	1.19	691	23.8	43.4
9	116.2	49.1	5.04	1762	85.0	295.1
10	37.4	bdl	0.60	348	17.8	31.5
11_1	37.4	15.1	2.08	2171	35.9	121.7
11_2	22.2	bdl	0.65	348	11.9	39.9
11_3	7.3	bdl	0.67	531	bdl	45.1 } OK
12	52.7	15.1	1.24	2260	35.9	71.7
13	22.3	bdl	0.49	843	17.9	25.8
14	116.4	41.6	4.25	3357	78.9	254.1
16	68.3	26.4	2.82	807	54.2	153.3
19	100.0	49.1	4.60	4582	84.9	300.8
20	132.7	53.0	4.44	4241	91.3	311.5
$21B_1$	52.7	11.3	2.54	366	35.9	68.7 → Not Found
$21B_2$	37.4	11.3	1.97	575	35.9	66.0 } OK
$21B_3$	37.4	bdl	1.99	717	35.9	68.8
22	37.4	11.3	1.19	610	17.8	56.7
23	84.0	26.4	2.45	637	35.9	167.4
24_1	37.4	18.8	1.88	1571	35.9	113.0
24_2	37.4	18.8	2.27	1743	35.9	141.7 } OK
24_3	37.4	11.3	1.56	815	29.9	104.6
25	116.3	49.2	4.97	2550	91.3	326.6
26	84.1	30.2	4.39	1715	66.4	198.3
27	149.4	56.8	5.65	7524	103.8	530.8
$BC-3_1$	100.1	37.8	3.37	1888	60.3	188.2
$BC-3_2$	84.0	30.2	3.58	2052	60.3	182.0 } OK
$BC-3_3$	100.0	30.2	3.60	1984	54.1	194.4
$BC-6_1$	116.2	49.1	4.67	1252	84.9	306.7
$BC-6_2$	116.2	52.9	4.95	1281	91.2	295.1 } OK X IF 5A2 5
$BC-6_3$	116.2	52.9	4.93	1430	91.2	302.4
detection limit	0.8	1.7	0.00	0.0	1.67	0.000

*bdl = below detection limit

Table 7: Field descriptions of surficial sediment samples collected on April 22, 1987

Station number	Water depth (ft.)	Description
2	9.0	Dark yellowish brown (10 YR 4/2)*, clean, medium sand, homogeneous, structureless; lots of heavy minerals; few shell fragments - Macoma, Mya arenaria(?), others (unidentified); copepods
3	18.5	Dark yellowish brown (10 YR 4/2) floc layer, 2-3 cm thick, overlying brownish black (5 YR 2/1), watery sandy mud; sediment more cohesive with depth; many dead, articulated Rangia cuneata in floc layer; many burrows; no odor except for dead clams
4	15.5	Thick (5-6 cm) dark yellowish brown (10 YR 4/2) floc layer overlying dark gray (N3) lumpy mud; more cohesive/compacted with depth; creamy, light brown (5 YR 6/4) to pale yellowish brown (10 YR 6/2) fluid mud layer evident - upper part of layer reworked, but not at depth; worms; no shells or fragments
5	20.5	Floc layer, 1-2 cm thick, overlying a lumpy, mottled brown mud; very lumpy, dark greenish gray (5 GY 4/1) clay on bottom; some shells, mostly dead, R. cuneata and Macoma
6	18.0	Dark yellowish brown (10 YR 4/2) floc layer, 1-3 cm thick, overlying dark gray (N3) to grayish black (N2), lumpy, cohesive mud; some whole, disarticulated shells (R. cuneata) in floc layer; copepods; worms
7	19.5	Dark yellowish brown (10 YR 4/2) floc layer, 1-2 cm thick, overlying cohesive, sticky, slightly gritty, grayish black (N2) mud; mud is so stiff it's difficult to scoop; some burrowing, down to about 5 cm(?); many shells, some thin; juvenile Macoma and dead R. cuneata
8A	17.0	Thick, dark yellowish brown (10 YR 4/2) floc layer consisting of very sandy mud (may have been affected by dredging of the access channel and turning basin at the north (secondary) unloading site); floc layer overlies cohesive, gritty, dark gray (N3) mud; smooth fluid mud layer at depth; many articulated, recently dead R. cuneata; worm

Table 7 (cont.): Field descriptions of surficial sediment samples collected on April 22, 1987

Station number	Water depth (ft.)	Description
9	21.5	Thin (<1 cm), dark yellowish brown (10 YR 4/2) floc layer consisting of sandy mud; overlies grayish black (N2) cohesive, gritty mud; many shells on top - old, disarticulated R. cuneata shells, encrusted with brachiopods; worms, burrowing
10	19.0	Watery, dark yellowish brown (10 YR 4/2), muddy sand overlying olive black (5 Y 2/1) muddy sand; no odor; dead juvenile and adult R. cuneata, whole oyster (Crassostrea virginica)
11	18.0	Dark yellowish brown (10 YR 4/2) muddy sand overlying grayish black (N2) to dark gray (N3) sediment at depth; many shells - whole, articulated R. cuneata shells - recently dead (still see soft tissue - black, decaying); copepods
12	14.0	Dark yellowish brown (10 YR 4/2) floc layer, 1-2 cm thick, consisting of watery sandy mud and containing heavy minerals; overlies dark gray (N3), slightly sandy mud; looks like fluid mud layer at depth - smooth, lighter gray sediment - never noted before at this station; many shells in floc layer - Macoma, R. cuneata; sediment darker gray around decaying soft tissue of clams; some tubes/ burrows; lots of worms
13	12.0	Moderate brown (5 YR 3/4) to dark yellowish brown (10 YR 4/2), slightly muddy sand; contains heavy minerals; no floc; no odor; a few disarticulated, whole R. cuneata
14	17.0	Thin (<1 cm), moderate brown (5 YR 3/4) floc layer overlying dark greenish gray (5 GY 4/1) smooth, cohesive mud, which becomes more cohesive with depth; a few dead, articulated shells; Macoma; plant matter

Table 7 (cont.): Field descriptions of surficial sediment samples collected on April 22, 1987

Station number	Water depth (ft.)	Description
15	15.0	Thick (2-3 cm), moderate (10 YR 5/4) to dark (10 YR 4/2) yellowish brown floc layer overlying mottled brownish black (5 YR 2/1) and olive black (5 Y 2/1), cohesive mud; many whole shells - articulated and disarticulated - in floc layer, recently dead R. cuneata; sample smells like dead clams
16	14.0	Moderate yellowish brown (10 YR 5/4), watery floc layer, 1-2 cm thick, overlying a dusky yellowish brown (10 YR 2/2) sandy mud or muddy sand (probably the former); layer becomes sandier with depth and lighter in color (dark yellowish brown - 10 YR 4/2); some articulated and disarticulated shells, R. cuneata; no odor, wood fragments
17	13.5	Dark yellowish brown (10 YR 4/2) floc layer overlying smooth, olive black (5 Y 2/1) mud; whole, disarticulated shells, mostly R. cuneata, some Macoma in floc layer; shell fragments in mud below; burrowing for several centimeters below floc layer; large polychaete; no gas bubbling up to water surface when sample retrieved; odor of dead clams
18	13.0	Dark yellowish brown (10 YR 4/2) floc layer overlying smooth, greenish black (5 GY 2/1) mud; freshly dead, articulated R. cuneata; polychaetes; odor of dead clams; plant matter; no gas bubbling up to water surface when sample retrieved
19	20.0	Dark yellowish brown (10 YR 4/2) floc layer, 5 cm thick, overlying mottled dark gray (N3) to grayish black (N2) cohesive, slightly gritty mud; more cohesive with depth; may be some fluid mud mixed in; many disarticulated but whole shells, mostly adult and juvenile R. cuneata, some Macoma?; burrowing; copepods
20	17.0	Dark yellowish brown (10 YR 4/2) floc layer, 2-3 cm thick, overlying brownish black (5 YR 2/1), cohesive, sticky, slightly gritty mud; many shells and shell hash - live R. cuneata, M. arenaria, Macoma

Table 7 (cont.): Field descriptions of surficial sediment samples collected on April 22, 1987

Station number	Water depth (ft.)	Description
21B	16.5	No floc layer; moderate brown (5 YR 3/4) muddy sand overlying dark yellowish brown (10 YR 4/2) muddy sand overlying muddier dark gray (N3) sediment; some whole shells - living and dead, articulated and disarticulated, R. cuneata; crab; no odor (four of the six grab samples fit this description; the fourth and fifth grabs were muddier, i.e., sandy mud, with pockets of clayey sediment)
22	15.0	Thin (<1 cm), dark yellowish brown (10 YR 4/2) floc layer overlying mottled brownish black (5 YR 2/1) sandy mud; many shells, disarticulated, but whole, Macoma, juvenile and adult R. cuneata; no odor
23	15.0	Dark yellowish brown (10 YR 4/2) floc layer overlying grayish black (N2), sticky sandy mud or muddy sand; a few articulated, disarticulated, or fragmented shells, R. cuneata, M. arenaria(?); some burrowing, but not deep, worm; gas bubbling up to water surface when sample retrieved
24	20.0	Thin (<1 cm), watery, dark yellowish brown (10 YR 4/2) floc layer, borderline between sandy mud and muddy sand, overlying brownish black (5 YR 2/1) sandy mud; many old, i.e. encrusted, R. cuneata and Macoma, lots of shells on top; many tubes/burrows; smells like sewage and dead clams (this description fits the first, second, and fourth grab samples; the third was muddier than these; the fifth was full of large shell fragments; the sixth was full of shell hash and reeked of sewage)
25	20.5	Dark yellowish brown (10 YR 4/2), watery floc layer, 2-3 cm thick, overlying homogeneous, dark gray (N3), cohesive, slightly gritty mud; many disarticulated shells, R. cuneata, Macoma; worm tubes/holes

Table 7 (cont.): Field descriptions of surficial sediment samples collected on April 22, 1987

Station number	Water depth (ft.)	Description
26	18.5	Dark yellowish brown (10 YR 4/2) floc layer, 3 cm thick, overlying dark gray (N3) to grayish black (N2), cohesive, sticky mud which, in turn, grades into a medium dark gray (N4) mud at bottom (fluid mud layer - recognize by texture and color); many dead shells, articulated and disarticulated, R. cuneata; some burrowing to about 5 cm; copepods; no odor
27	17.5	Dark yellowish brown (10 YR 4/2) floc layer, 2-3 cm thick, overlying dark gray (N3), watery sandy mud; more cohesive, darker, and sandier with depth; friable, fragmented shells - Macoma?; burrows extending down to about 10 cm; copepod
BC-3	17.5	Dark yellowish brown (10 YR 4/2) floc layer, 1-4 cm thick, overlying firm, dark gray (N3) mud that stiffens with depth; fluid mud layer at bottom; mud surrounding dead shells darker gray than rest of sample; some articulated and disarticulated shells, R. cuneata; copepod; smells like sewage and dead clams
BC-6	15.0	Dark yellowish brown (10 YR 4/2) floc layer, full of shells, overlying smooth, dark gray (N3) to grayish black (N2) mud; many shells, those in floc layer articulated and disarticulated, densely packed, R. cuneata; gas bubbling up to water surface when samples retrieved (all four grabs were similar)

* The alphanumeric codes following the color names are Munsell numerical designations; the names themselves are from the Inter-Society Color Council - National Bureau of Standards (ISCC-NBS) system

Table 8: Sedimentological parameters of surficial samples collected on April 22, 1987

Station number	Water (%)	Sand (%)	Silt (%)	Clay (%)	Shepard's class	Weight loss (%)**
2	21.05	96.49	0.89	2.63	Sa	0.74
3	41.32	65.26	14.34	20.40	ClSa	8.66
4	58.56	3.47	55.42	41.10	ClSi	12.45
5	60.39	3.08	41.37	55.55	SiCl	14.58
6	65.05	2.05	39.45	58.49	SiCl	14.86
7	61.11	2.32	36.07	61.61	SiCl	13.97
8A	46.80	31.80	37.53	30.67	SaSiCl	10.61
9	59.11	2.23	37.84	59.94	SiCl	18.22
10	21.62	91.33	2.84	5.83	Sa	4.13
11_1	31.04	88.16	3.85	7.99	Sa	0.90
11_2	22.34	89.11	3.66	7.23	Sa	3.26
11_3	31.26	81.54	6.29	12.17	Sa	5.68
12	37.21	48.16	31.39	20.45	SaSiCl	16.40
13	23.11	98.23*	0.29	1.47	Sa	0.87
14	64.93	1.38	44.63	53.99	SiCl	15.23
15	61.34	3.03	41.18	55.79	SiCl	12.56
16	46.09	46.20	26.38	27.42	SaSiCl	14.71
17	61.89	4.83	40.14	55.03	SiCl	15.17
18	61.22	3.84	44.96	51.20	SiCl	11.83
19	65.45	0.60	39.91	59.49	SiCl	13.11
20	66.28	1.39	41.88	56.73	SiCl	17.95
$21B_1$	21.70	95.98	1.55	2.48	Sa	1.00
$21B_2$	25.00	94.70*	2.37	2.93	Sa	1.28
$21B_3$	22.74	94.38	2.18	3.43	Sa	0.92
22	28.61	83.18*	8.36	8.47	Sa	12.50
23	47.53	52.94	29.02	18.05	SiSa	10.79
24_1	41.11	70.25	12.49	17.25	ClSa	11.86
24_2	34.28	81.14	8.57	10.29	Sa	8.33
24_3	61.03	8.78	38.21	53.00	SiCl	21.20
25	62.39	1.47	40.38	58.15	SiCl	24.80
26	56.14	1.11	40.08	58.81	SiCl	22.78
27	66.98	1.67	39.45	58.88	SiCl	21.25
$BC\text{-}3_1$	55.24	5.56	51.17	43.27	ClSi	11.09
$BC\text{-}3_2$	57.65	7.31	48.31	44.38	ClSi	16.74
$BC\text{-}3_3$	58.40	7.99	49.82	42.19	ClSi	15.89
$BC\text{-}6_1$	62.43	1.89	35.77	62.34	SiCl	20.37
$BC\text{-}6_2$	63.43	1.90	38.77	59.33	SiCl	23.37
$BC\text{-}6_3$	61.96	1.81	38.02	60.17	SiCl	25.37

* includes less than 3% gravel

** weight loss after cleaning approximates the organic and carbonate content of the sample

Table 9: Trace metal analyses of surficial sediment samples collected on April 22, 1987

Station number	Cr µg/g	Cu µg/g	Fe wt.%	Mn µg/g	Ni µg/g	Zn µg/g
2	bdl**	12.9	0.31	527	bdl	22.4
3	55.7	27.0	2.21	2115	30.9	142.7
4	118.1	47.8	4.04	4038	55.2	239.6
5	102.7	35.4	4.46	1786	65.0	217.7
6	107.7	44.6	4.50	3728	72.2	333.9
7	123.0	59.8	5.34	1582	87.0	333.9
8A	89.5	30.8	2.69	1302	42.2	126.4
9	140.2	60.0	5.08	1642	81.5	287.7
10	33.5	13.7	0.86	567	13.8	59.3
11_1*	37.8	14.9	0.96	1019	24.8	52.6
11_2	36.2	28.7	0.99	941	27.7	62.8
11_3	40.2	14.0	1.06	1052	32.5	68.9
12	70.2	21.9	2.36	692	33.5	116.4
13	bdl	bdl	0.23	962	bdl	20.9
14	124.1	37.1	4.64	5902	72.4	258.9
15	124.6	33.0	4.36	1481	64.2	256.6
16	84.6	21.5	2.52	667	35.2	140.2
17	131.9	39.1	4.29	1012	62.1	220.8
18	157.0	41.1	4.06	817	70.7	247.1
19*	145.0	43.7	6.01	5651	90.1	265.9
20	163.2	67.7	5.05	7545	81.0	347.0
$21B_1$	bdl	bdl	0.34	737	bdl	23.4
$21B_2$	bdl	bdl	0.55	738	bdl	34.9
$21B_3$	bdl	bdl	0.45	786	bdl	27.3
22	33.7	bdl	1.31	487	21.4	74.8
23	76.0	21.9	2.08	762	33.8	159.9
24_1	74.0	13.3	1.69	811	34.1	117.7
24_2	50.8	bdl	1.34	628	29.5	92.9
24_3	127.3	34.7	4.30	2662	70.5	267.9
25*	147.1	47.9	4.96	1995	80.1	302.0
26	137.6	36.2	4.81	3058	74.1	262.9
27	165.7	51.2	5.80	11131	101.4	452.2
$BC-3_1$	121.8	32.9	3.84	2181	55.9	247.2
$BC-3_2$	122.6	33.4	3.91	2206	60.2	226.3
$BC-3_3$	129.2	29.0	3.82	2091	59.9	202.3
$BC-6_1$	161.0	49.9	4.96	1121	82.9	318.6
$BC-6_2$	162.0	47.3	4.96	1197	79.5	293.2
$BC-6_3$	157.6	37.7	5.10	1225	83.5	295.9
detection limit	20.60	12.90	0.01	0.20	12.05	0.05

* values are averaged over two runs
** bdl = below detection limit

Table 10: Visual and radiographic* observations of gravity cores collected on April 21, 1987

Station BC-1

Date collected: April 21, 1987 Water depth: 17 ft
Date X-rayed: April 30, 1987 Core length: 89 cm
Date described: May 25, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0 - 4	x	x
18-22	x	x
30-34	x	x
38-42	x	x
45-49	x	x
54-58	x	x
80-84	x	x

Description

Unit 1 (0-24 cm)
Lithology: floc layer less than 1 cm thick; variably pale yellowish brown (10 YR 6/2) and medium dark gray (N4) mud - smooth (creamy), soft, cohesive (so cohesive it wouldn't part when split - knives destroyed original structures and color patterns); wood fragments (appear as small, dark, elliptical blebs on xeroradiograph); no odor

Stratification/Structure: simple bedding (horizontal, parallel, continuous, planar); alternately massive (7 to 17 cm) and laminated (17 to 24 cm); bed thickness ranges between medium laminated (1-5 mm) and thinly bedded (3-10 cm); upper 6 cm more intensely bioturbated than section below (lower section less than 10% bioturbated); a few gas bubbles; sharp, horizontal plane marks boundary with Unit 2 (color, textural, and compositional differences between Units 1 and 2; shell layer at top of Unit 2)

Biogenic features: a few thin shell fragments restricted to the upper 2 cm; a few irregular, vertically oriented burrows extending to bottom of unit

Unit 2 (24-43 cm)
Lithology: firm, slightly gritty, dark gray (N3) mud, homogeneous in color except for an oxidized, olive gray (5 Y 4/1) burrow; no odor

Stratification/Structure: no evidence of bedding (massive); no gas bubbles; gradational boundary with Unit 3

* The xeroradiographs included in the Sixth Year Interpretive Report were negatively enhanced; i.e., the denser the object/material, the lighter it appears in the radiograph. The following X-ray settings were used: 60 kV, 400 mas, 40-cm distance.

Station BC-1 (cont.)

Biogenic features: randomly oriented, articulated and disarticulated whole (as opposed to fragmented) shells in densely packed layer at top of unit (24-29 cm); primarily adult and juvenile R. cuneata; a few burrows; the oxidized burrow mentioned above is 10 mm in diameter and extends from the shell layer to 37 cm

Unit 3 (43-54 cm)
Lithology: firm, very slightly gritty, uniformly olive gray (5 Y 4/1) mud; no odor

Stratification/Structure: no evidence of bedding (massive); no gas bubbles; similar to Unit 2 except in color and biogenic features, slightly less gritty; gradational boundary with Unit 4

Biogenic features: no shells

Unit 4 (54-89 cm)
Lithology: firm, smooth, uniformly medium dark gray (N4) mud; no odor

Stratification/Structure: massive; no gas bubbles

Biogenic features: a few thin shell fragments at 67 and 75 cm; a few sinuous, vertically oriented burrows between 55-66 cm, 5 mm in diameter, oxidized - filled with brownish gray (5 YR 4/1) sediment

---

Station BC-2

Date collected: April 21, 1987 Water depth: 19.5 ft
Date X-rayed: April 30, 1987 Core length: 105 cm
Date described: May 25, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
22-26	x	x
48-52	x	x
72-76	x	x
88-94	x	x

Description

Unit 1 (0-76 cm)
Lithology: dusky brown (5 YR 2/2) floc layer, approximately 2 cm thick; variably olive black (5 Y 2/1) and grayish black (N2), lumpy mud, neither soft nor firm, but firmer with depth; sewage odor

Stratification/Structure: simple bedding (horizontal, parallel, continuous, planar) - a few distinct laminae; no gas bubbles; gradational boundary with Unit 2

Station BC-2 (cont.)

Biogenic features: some whole, articulated and disarticulated shells, largely restricted to the upper 11 cm; mostly patches of randomly oriented R. cuneata to 10 cm; layer of thin shells showing preferred orientation between 10-11 cm; a few M. balthica; no burrows obvious visually

Unit 2 (76-105 cm)
Lithology: firm, uniformly olive gray (5 Y 4/1) mud

Stratification/Structure: probably no gas bubbles (no xeroradiograph of this unit)

Biogenic features: no shells; a few burrows

Station BC-3

Date collected: April 21, 1987 Water depth: 16.5 ft
Date X-rayed: April 30, 1987 Core length: 88 cm
Date described: May 26, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
4-8	x	x
10-14	x	x
16-20	x	x
28-32	x	x
46-50	x	x
54-58	x	
62-66	x	x
80-84	x	x

Description

Unit 1 (0-9 cm)
Lithology: soft, watery, very slightly gritty, dark to dusky yellowish brown (10 YR 3/2) floc layer, approximately 1 cm thick, overlying soft, lumpy, slightly gritty, mottled (greenish black (5 G 2/1) and olive gray (5 Y 4/1)) mud; smells like dead organisms

Stratification/Structure: 60-90% bioturbation - no bedding obvious in xeroradiograph; no gas bubbles; sharp, horizontal plane separating Units 1 and 2

Biogenic features: layer of whole articulated and disarticulated R. cuneata between 8-10 cm, showing preferred orientation; some burrows (2 mm in diameter, slightly curved, vertically oriented, oxidized)

Station BC-3 (cont.)

Unit 2 (9-24 cm)

Lithology: "fluid mud layer", bands of moderate brown (5 YR 4/4), medium dark gray (N4), and olive gray (5 Y 4/1) mud - creamy, cohesive, very slightly gritty, and occasionally lumpy in texture; some of the lumps seem to be sandier or at least coarser-grained than the rest of the material comprising the unit; unable to split neatly - smeared; wood fragments; no odor

Stratification/Structure: simple bedding (horizontal, parallel, discontinuous, planar and wavy); mostly medium laminated (1-5 mm) with a few thin laminae (0.5-1 mm); less than 10% bioturbated; gradational boundary with Unit 3 (based on apparent differences in texture)

Biogenic features: no shells; a few burrows evident to 16 cm, though largely restricted to 13.5 cm and above

Unit 3 (24-60 cm)

Lithology: firm, very slightly gritty mud, grading in color from olive black (5 Y 2/1), the predominant color, to olive gray (5 Y 4/1); much firmer than upper two units (uniformly firm - neither increases nor decreases in firmness with depth); knobby surface when split, but not lumpy; no odor

Stratification/Structure: 60-90% bioturbated; no gas bubbles; gradational boundary with Unit 4, based on the limit of burrowing, arbitrary in terms of color

Biogenic features: shell layers between 25-35 cm, none in remainder of unit (at least not evident in X-ray to 50 cm); between 25-29 cm - whole, articulated and disarticulated juvenile *R. cuneata* showing preferred orientation; between 29-32 cm - randomly oriented, whole, articulated adult *R. cuneata*; between 33-35 cm - disarticulated, whole and fragmented juvenile *R. cuneata*, smaller than those in 25-29 cm layer, randomly oriented; many burrows apparent in xeroradiograph, some burrows evident on split core surface; typical burrow is 2 mm in diameter, irregular in shape, and vertically oriented.

Unit 4 (60-88 cm)

Lithology: firm, very slightly gritty, olive gray (5 Y 4/1) mud, uniform in color and degree of firmness; about as firm as Unit 3; no odor

Stratification/Structure: massive; no gas bubbles

Biogenic features: single whole, disarticulated *M. balthica*(?) shell at 64 cm; some burrowing evident on split surface, but difficult to estimate how much (no xeroradiograph of this unit); most evidence of burrowing between 60-70 cm, but see for entire length of unit

---

Station BC-4

Date collected: April 21, 1987 Water depth: 21 ft
Date X-rayed: April 30, 1987 Core length: 89 cm
Date described: May 26, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
7.5-8.5		x
12-16	x	x
20-24	x	x
28-32	x	x
40-44	x	x
46-50	x	x
52-56	x	x
66-70	x	x
82-86	x	x

Description

Unit 1 (0-50 cm)
Lithology: dark brown floc layer - couldn't match color or determine thickness (pretty thin, probably several mm) because shell layer so close to surface; lumpy, very slightly gritty mud; soft above 5 cm, neither soft nor firm below 5 cm; bands of dark gray (N3) and grayish black (N2) in between wider bands of mottled olive gray (5 Y 4/1) and dark gray (N3); wood fragments; smells like dead organisms

Stratification/Structure: banding (horizontal, parallel, continuous, planar); ranges in width from medium bedded (10-30 cm) to thinly laminated (0.5-1 mm); 40-60% bioturbated (last vestiges of bedding discernible in X-rays, banding preserved visually, burrows overlap - not always well defined); no gas bubbles; gradational boundary with Unit 2 (mottling ends; Unit 2 more uniform in color)

Biogenic features: a few layers of randomly oriented, whole, articulated and disarticulated shells as well as shell fragments; shells, mostly adult and juvenile R. cuneata, concentrated in top 5.5 cm; M. balthica, oyster(?) fragment at 15 cm, thin, broken fragments at 37 cm ; many burrows; entire unit has lots of burrows - not restricted to single band or band type; burrows range from 1-2.5 mm in diameter; most are vertically oriented, though some are at an angle to the vertical; mucus-lined

Unit 2 (50-89 cm)
Lithology: smooth mud, except for a few lumps; olive gray (5 Y 4/1) grading into dark greenish gray (5 GY 4/1) by 66 cm; softer and smoother (creamier) with depth (maybe should have chosen boundary closer to 60 cm ?); not as sticky as Unit 1; no odor

Stratification/Structure: no features noted - no X-ray available

Station BC-4 (cont.)

Biogenic features: no shells; a few burrows restricted to olive gray layer (50-60 cm), 1-2 cm in diameter, straight, vertically oriented, mucus-lined

---

Station BC-5

Date collected: April 21, 1987 Water depth: 19.5 ft
Date X-rayed: April 30, 1987 Core length: 91 cm
Date described: June 1, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
5-9	x	x
10-14	x	x
20-24	x	x
30-34	x	x
36-40	x	x
48-52	x	x
56-60	x	x
62-66	x	x
72-76	x	x
82-86	x	x

Description

Unit 1 (0-9 cm)
Lithology: dark yellowish brown (10 YR 4/2) floc layer, about 1 cm thick, overlying very slightly gritty, medium dark gray (N4) mud; banded only to the extent that the floc layer differs in color from underlying sediment; also, oxidized burrow (same color as floc) interrupts otherwise uniformly colored sediment; between storing core and chipping liner, top dried out - maybe down to top of Unit 2; no odor

Stratification/Structure: irregular bedding plane between 4-6 cm, visible on X-ray; no gas bubbles; sharp, horizontal, planar boundary with Unit 2 (color change; on X-ray, immediately above horizontally-inclined shell layer)

Biogenic features: some whole, articulated shells, randomly distributed and oriented; a few burrows, the most obvious of which is 13 cm long, 3 mm in diameter, straight, vertically oriented, and, as mentioned above, oxidized

Unit 2 (9-35 cm)
Lithology: very slightly gritty, lumpy mud; variably colored - fairly uniform dark gray (N3) to about 30 cm, mottled with olive gray (5 Y 4/1) below that; no odor

Stratification/Structure: no gas bubbles; gradational boundary with Unit 3 (color and fracture pattern change)

Station BC-5 (cont.)

Biogenic features: some shells, restricted to top 24 cm of core; at 10 cm - layer of juvenile R. cuneata, whole, articulated, and fragmented, showing preferred orientation; at 12 cm - whole, disarticulated R. cuneata; at 22 cm - whole, articulated M. balthica; below 10 cm, shells are randomly distributed and oriented; heavily burrowed; burrows seem to be short (1-2 cm), but may be because of where core split; both sinuous and straight in form, vertically oriented, about 1 mm in diameter

Unit 3 (35-60 cm)
Lithology: smooth, mottled olive gray (5 Y 4/1) and medium dark gray (N4) mud; unit has more olive gray in it than Unit 2, firmer than Unit 2, though not exceptionally firm

Stratification/Structure: no gas bubbles; gradational boundary with Unit 4

Biogenic features: no shells; some burrows; not quite as heavily burrowed as Unit 2, but description of burrows still applies; mottling not due to oxidation of burrows in medium dark gray matrix

Unit 4 (60-89 cm)
Lithology: smooth, uniformly dark greenish gray (5 GY 4/1) mud; no odor

Stratification/Structure: massive, no gas bubbles (?) - no X-ray of this unit

Biogenic features: no shells; a few burrows, typically 2 mm in diameter, straight-sided, and vertically oriented

---

Station BC-6

Date collected: April 21, 1987 Water depth: 12 ft
Date X-rayed: April 30, 1987 Core length: 100 cm
Date described: June 3, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
6-10	x	x
11-15	x	x
16-20	x	x
22-26	x	x
36-40	x	x
56-60	x	x
76-80	x	x
94-98	x	x

Station BC-6 (cont.)

Description

Unit 1 (0-20 cm)

Lithology: soft, watery floc layer, moderate yellowish brown (10 YR 5/4) to dark yellowish brown (10 YR 4/2), 2 cm thick; overlies color-banded sediment; band 1 (2-11 cm) - very slightly gritty, somewhat lumpy, soft, dark gray (N3) mud; band 2 (11-15 cm) - gritty, lumpy, olive gray (5 Y 4/1) mud; band 3 (15-20 cm) - lumpy, sticky, very slightly gritty mud, mottled olive gray (5 Y 4/1) and dark greenish gray (5 GY 4/1); no odor

Stratification/Structure: simple bedding (i.e., color banding) - horizontal, parallel, continuous, planar(?); thinly bedded (3-10 cm), excluding floc layer; no gas bubbles; gradational boundary with Unit 2

Biogenic features: some shells, restricted to top 17 cm; randomly oriented and distributed, disarticulated *R. cuneata* shells, both whole and fragmented, juvenile and adult; many burrows, most evident in mottled band (15-20 cm); typical burrow is 1-2 mm in diameter, irregularly shaped, and vertically oriented

Unit 2 (20-100 cm)

Lithology: very slightly gritty to smooth, uniformly dark greenish gray (5 GY 4/1) mud; variably softer and firmer with depth, never really either one, though firmer than Unit 1; gradually firmer with depth; no odor

Stratification/Structure: massive (structureless, except for burrows); no gas bubbles

Biogenic features: no shells; quite a few burrows, mostly vertically oriented, about 1 mm in diameter, straight to sinuous; a few larger ones (2 mm)

Station BC-7

Date collected:	April 21, 1987	Water depth:	13 ft
Date X-rayed:	April 30, 1987	Core length:	84 cm
Date described:	June 4, 1987		

Station BC-7 (cont.)

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
4-8	x	x
9-12	x	x
12-15	x	x
15-18	x	x
20-24	x	x
26-30	x	x
32-36	x	x
40-44	x	x
47-50	x	x
50-54	x	x
60-64	x	x
70-73	x	x
74-78	x	x

Description

Unit 1 (0-80 cm)

Lithology: may have been floc layer - top 3 cm oxidized (dark yellowish brown (10 YR 4/2)), but core dried out, see same color down to about 28 cm (color, texture, as well as water content may have been affected); underlying sediment is smooth, color-banded mud (dark gray (N3), grayish black (N2), an intermediate dark gray to grayish black (N2.5), and an intermediate olive gray to olive black (5 Y 3/1); no odor

Stratification/Structure: simple bedding (i.e., banding) - horizontal, parallel, continuous, planar; range in thickness from very thinly bedded (1-3 cm) to medium bedded (10-30 cm); no gas bubbles

Biogenic features: a few isolated shells; at 16 cm, whole, disarticulated *M. balthica* shell, hinge line vertically oriented; at 53 cm, unidentified, thin, whole, disarticulated shell; some burrows, more abundant in top half of core than at bottom; typically 1-2 cm, straight or sinuous, oriented in different directions; some oxidized

---

Station 21B

Date collected: April 21, 1987 Water depth: 15 ft
Date X-rayed: April 30, 1987 Core length: 14 cm
Date described: May 25, 1987

Subsamples

Interval (cm)	Textural	Trace metal
0-4	x	x
6-10	x	x

Station 21B (cont.)

Description

Unit 1 (0-12 cm)

Lithology: muddy, medium to fine sand; color-banded - dark yellowish brown (10 YR 4/2) grading into olive gray (5 Y 4/1) at about 1 cm; olive gray band really salt and pepper, not one color; upper layer may or may not be floc layer; heavy minerals; smells like dead organisms

Stratification/Structure: structureless, except for color bands; no gas bubbles

Biogenic features: some shells, especially in upper 8 cm; patchy distribution; disarticulated, whole *R. cuneata*; no burrows

---

Table 11: Sedimentological parameters of subsamples taken from gravity cores collected on April 21, 1987

Core number	Interval (cm)	Water (%)	Sand (%)	Silt (%)	Clay (%)	Shepard's class	Weight loss (%)**
BC-1	0- 4	52.53	0.39	47.21	52.40	SiCl	-
	18-22	52.86	0.05	39.12	60.83	SiCl	20.51
	30-34	55.28	5.27	42.39	52.34	SiCl	24.59
	38-42	55.54	2.74	37.00	60.26	SiCl	19.56
	45-49	54.72	4.62	38.14	57.24	SiCl	19.28
	54-58	57.91	2.81	40.50	56.69	SiCl	27.55
	80-84	61.05	2.48	38.40	59.12	SiCl	23.03
BC-2	0- 4	63.53	0.89	41.73	57.38	SiCl	28.85
	22-26	57.20	1.44	48.73	49.83	SiCl	21.74
	48-52	56.78	0.11	39.76	60.13	SiCl	20.90
	72-76	56.97	0.57	38.49	60.94	SiCl	21.49
	88-94	57.34	0.76	45.75	53.48	SiCl	19.86
BC-3	0- 4	61.65	5.80	49.02	45.18	ClSi	20.12
	4- 8	53.54	8.00	48.66	43.35	ClSi	16.46
	10-14	43.75	2.10	57.44	40.45	ClSi	10.39
	16-20	42.50	2.11	54.68	43.21	ClSi	7.96
	28-32	53.37	3.76	36.60	59.64	SiCl	31.81
	46-50	54.79	5.62	38.60	55.78	SiCl	17.83
	54-58	53.05	2.89	36.45	60.66	SiCl	18.26
	62-66	56.43	1.93	34.71	63.36	SiCl	14.62
	80-84	58.59	3.37	38.05	58.57	SiCl	14.69
BC-4	0- 4 1	63.07	1.55	40.01	58.45	SiCl	20.13
	12-16 3	55.44	1.57	37.58	60.84	SiCl	16.84
	20-24 4	60.53	0.96	37.05	61.99	SiCl	15.17
	28-32 5	57.83	1.85	36.99	61.17	SiCl	17.74
	40-44 6	58.82	1.03*	39.41	59.57	SiCl	15.39
	46-50 7	57.89	1.84	38.85	59.30	SiCl	12.74
	52-56 8	58.99	1.72	40.43	57.85	SiCl	15.98
	66-70 9	62.45	1.15	42.05	56.80	SiCl	17.74
	82-86 10	63.11	1.19	41.31	57.50	SiCl	17.91
BC-5	0- 4	62.32	3.63	39.89	56.48	SiCl	26.10
	5- 9	60.10	2.61	42.44	54.95	SiCl	27.53
	10-14	62.30	2.14	41.50	56.36	SiCl	22.30
	20-24	56.00	2.15	43.32	54.53	SiCl	18.77
	30-34	57.45	2.07	36.41	61.52	SiCl	15.69
	36-40	56.10	1.67*	36.58	61.75	SiCl	15.26
	48-52	59.16	1.29	39.72	58.99	SiCl	15.51
	56-60	61.60	1.70	41.12	57.18	SiCl	20.47
	62-66	59.70	2.34	37.09	60.56	SiCl	15.22
	72-76	61.69	1.82	39.65	58.52	SiCl	20.29
	82-86	60.79	2.42	39.71	57.87	SiCl	16.75

Table 11 (cont.): Sedimentological parameters of subsamples taken from gravity cores collected on April 21, 1987

Core number	Interval (cm)	Water (%)	Sand (%)	Silt (%)	Clay (%)	Shepard's class	Weight loss (%)**
BC-6	0- 4	66.18	1.01	38.81	60.18	SiCl	31.82
	6-10	63.32	2.56	40.22	57.22	SiCl	18.14
	11-15	56.36	4.92	42.92	52.16	SiCl	17.75
	16-20	60.09	2.27	41.60	56.13	SiCl	16.23
	22-26	62.94	1.99	43.48	54.53	SiCl	20.54
	36-40	63.88	1.30	38.47	60.23	SiCl	15.63
	56-60	61.70	1.45	38.16	60.39	SiCl	15.05
	76-80	61.85	1.40	39.77	58.83	SiCl	22.30
	94-98	60.30	1.81	38.27	59.93	SiCl	19.99
BC-7	0- 4	55.05	2.59	60.45	36.96	ClSi	16.55
	4- 8	56.22	2.68	51.28	46.04	ClSi	18.72
	9-12	60.63	2.95	50.91	46.14	ClSi	19.02
	12-15	60.74	3.54	49.49	46.97	ClSi	14.96
	15-18	65.11	4.48	51.37	44.15	ClSi	25.54
	20-24	63.79	4.08	46.62	49.30	SiCl	15.15
	26-30	69.98	9.38	43.38	47.24	SiCl	15.25
	32-36	67.33	1.79	46.26	51.95	SiCl	31.51
	40-44	64.42	2.85	47.40	49.75	SiCl	18.18
	47-50	66.45	2.76	44.19	53.05	SiCl	11.15
	50-54	68.62	8.02	43.67	48.31	SiCl	19.38
	60-64	68.92	16.26	35.99	47.76	SiCl	17.87
	70-73	67.22	1.52	48.60	49.87	SiCl	22.05
	74-78	69.80	1.40	43.32	55.28	SiCl	17.45
21B	0- 4	18.40	92.33	6.32	1.34	Sa	5.63
	6-10	18.15	100.00	0.00	0.00	Sa	2.87

*includes less than 1% gravel

** weight loss after cleaning approximates the organic and carbonate content of the samples

Table 12: Trace metal analyses of subsamples taken from gravity cores collected on April 21, 1987

Core number	Interval (cm)	Trace metal concentrations in sediment (dry wt.) Cr µg/g	Cu µg/g	Fe wt.%	Mn µg/g	Ni µg/g	Zn µg/g
BC-1	0- 4	118.6	19.4	3.24	814	44.2	123.8
	18-22	127.7	43.7	3.82	1024	50.5	115.4
	30-34	142.3	99.8	5.26	3088	183.7	567.2
	38-42	113.0	47.7	5.00	2435	96.7	233.5
	45-49	103.3	23.8	4.76	1550	51.2	91.5
	54-58	89.3	16.5	4.88	1210	36.0	86.0
	80-84	61.3	18.0	4.75	1164	42.1	90.4
BC-2	0- 4*	135.6	45.4	5.02	2289	98.8	298.1
	22-26	116.9	74.4	4.94	1889	132.0	364.8
	48-52	106.1	37.2	4.90	1865	68.7	197.0
	72-76	101.4	20.3	4.54	1329	49.9	114.4
	88-94	102.3	14.1	4.61	1024	49.1	105.9
BC-3	0- 4	124.4	32.8	4.03	2960	72.9	251.0
	4- 8	68.4	27.2	3.70	1433	56.7	195.7
	10-14	102.8	24.4	3.57	500	39.3	99.0
	16-20	88.3	20.0	3.20	325	26.4	61.5
	28-32	102.4	52.7	5.03	1855	105.3	349.5
Ave.	46-50* bkt	97.1	68.4	4.35	1622	134.6	346.1
	62-66	74.4	35.1	4.96	1655	63.3	142.0
	80-84	86.3	13.9	4.87	1099	48.2	105.9
BC-4	0- 4	106.9	47.5	5.11	3636	122.2	385.1
	7.5-8.5	109.7	75.1	5.15	2160	164.6	406.5
	12-16	84.8	50.8	4.90	2099	82.4	172.9
	20-24	83.4	32.4	5.08	2520	65.5	160.0
	28-32	79.2	41.1	4.83	1809	50.8	109.4
	40-44	73.2	36.0	4.83	1458	47.3	96.4
	46-50	93.5	28.0	4.75	1135	42.4	95.0
	52-56*	77.0	25.7	4.58	990	33.8	91.5
	66-70	86.9	16.6	4.57	1394	36.0	90.9
	82-86	94.5	18.5	4.46	1573	35.8	84.4
BC-5	0- 4	116.7	43.1	4.78	3320	81.6	90.0
	5- 9	107.7	44.5	4.60	2060	83.6	272.0
	10-14	104.6	56.6	5.32	6582	155.8	551.2
	20-24	100.4	53.1	4.85	1608	91.0	281.2
	30-34	99.6	36.2	5.20	2094	64.2	201.4
	36-40	104.2	22.9	5.26	1780	52.8	142.0
	48-52	102.2	16.6	4.85	1189	43.6	108.9
	56-60*	88.7	14.6	4.69	1029	34.4	107.4
	62-66	115.5	13.3	4.92	1144	37.5	114.4
	72-76	113.9	bdl**	4.67	1184	35.9	104.4
	82-86	113.7	16.2	4.87	1119	33.4	98.0

Table 12 (cont.): Trace metal analyses of subsamples taken from gravity cores collected on April 21, 1987

Core number	Interval (cm)	Trace metal concentrations in sediment (dry wt.) Cr µg/g	Cu µg/g	Fe wt.%	Mn µg/g	Ni µg/g	Zn µg/g
BC-6	0- 4	172.5	38.5	5.08	1325	76.1	304.5
	6-10	178.4	56.7	4.35	1054	109.6	413.1
	11-15	124.0	35.0	4.26	939	53.1	157.3
	16-20	120.7	13.0	4.67	1154	33.5	100.4
	22-26	127.8	bdl	4.45	1470	33.0	102.0
	36-40	124.2	15.0	4.38	1904	33.0	105.0
	56-60*	114.3	bdl	4.73	1575	37.6	105.2
	76-80	118.7	14.3	4.61	1614	38.2	100.4
	94-98	122.9	14.5	4.57	1630	38.7	106.5
BC-7	0- 4	136.8	47.6	3.61	1189	58.6	243.3
	4- 8	170.6	54.5	4.12	959	74.4	274.2
	9-12	188.7	68.3	4.41	874	81.9	377.1
	12-15	191.2	68.0	4.20	1184	85.8	387.3
	15-18	211.4	71.6	4.42	820	90.9	449.5
	20-24	220.6	74.0	4.28	1101	98.0	441.2
	26-30	251.5	79.4	4.17	900	119.7	518.5
	32-36*	227.0	65.6	4.33	972	132.6	478.4
	40-44	230.8	67.9	4.35	1384	135.8	517.5
	47-50	228.9	66.4	4.23	945	136.4	516.5
	50-54	232.4	68.3	4.31	704	169.2	568.9
	60-64	271.9	80.0	4.33	1039	173.5	578.7
	70-73	254.4	74.9	4.10	765	143.0	585.5
	74-78	259.2	75.9	4.41	730	151.0	576.0
21B	0- 4	38.9	bdl	0.68	556	19.7	35.5
	6-10	23.7	bdl	0.26	70	13.1	19.5
detection limit		20.60	12.90	0.01	0.20	12.05	0.05

* values are averaged over two runs
** bdl = below detection limit

Table 13: Azimuths for profile lines and angles between the established baseline and the profile stations

Station	Azimuth (deg)	Angle (deg, min)
22+00	328	5 11
24+00	325	4 44
28+00	325	8 52
30+00	320	97 26
32+00	330	181 41
36+00	340	191 28
40+00	340	194 36
44+00	340	195 58
48+00	344	196 43
49+00	344	196 51

Table 14: Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
6/24/86	22+00	CL	-	17.86
		1	50	14.18
		2	100	10.74
		3	150	8.03
		4	200	5.95
		5	246	2.79
		6	276	1.04
		7	300	-0.63
	24+00	CL	-	17.77
		1	50	13.96
		2	100	10.90
		3	150	8.04
		4	200	4.99
		5	230	2.67
		6	260	1.07
		7	282	-0.61
	28+00	CL	-	17.74
		1	50	13.62
		2	98	10.60
		3	150	7.51
		4	194	2.69
		5	220	1.51
		6	240	-0.74
	30+00	CL	-	17.80
		1	48	14.96
		2	100	11.35
		3	148	6.03
		4	184	2.87
		5	200	1.86
		6	220	-0.11
				+0.04 Error
	32+00	CL	-	17.73
		1	50	15.06
		2	100	11.90
		3	152	7.96
		4	184	3.10
		5	202	1.04
		6	220	-0.70
				0.00 Error

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
6/25/86	36+00	CL	-	17.72
		1	50	14.04
		2	100	11.63
		3	150	9.16
		4	172	7.28
		5	200	3.46
		6	210	2.73
		7	228	1.10
		8	270	-0.77
	40+00	CL	-	17.68
		1	50	14.83
		2	100	11.66
		3	152	9.20
		4	190	5.06
		5	200	4.23
		6	218	2.99
		7	234	1.03
		8	288	-0.73
	44+00	CL	-	17.82
		1	50	14.64
		2	100	11.41
		3	152	7.28
		4	168	4.47
		5	194	2.97
		6	208	0.90
		7	274	-0.78
	48+00	CL	-	17.87
		1	50	16.62
		2	98	11.20
		3	124	8.24
		4	148	3.36
		5	172	0.83
		6	222	-0.63
	49+00	CL	-	18.00
		1	50	15.78
		2	100	12.40
		3	148	6.82
		4	190	2.25
		5	200	0.70
		6	264	-0.80
				+0.01 Error

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
9/15/86	22+00	CL	-	17.85
		1	50	14.13
		2	100	10.73
		3	148	8.09
		4	200	5.93
		5	248	2.37
		6	268	2.03
		7	278	0.34
		8	324	-0.79
	24+00	CL	-	17.74
		1	50	13.91
		2	100	10.83
		3	150	8.06
		4	200	4.94
		5	230	2.64
		6	250	2.17
		7	260	1.45
		8	320	-0.78
	28+00	CL	-	17.74
		1	50	13.59
		2	100	10.52
		3	148	7.48
		4	158	6.85
		5	180	3.61
		6	198	2.62
		7	208	2.32
		8	224	0.76
		9	268	-0.53
	30+00	CL	-	17.77
		1	50	14.92
		2	100	11.22
		3	152	5.70
		4	158	4.83
		5	200	2.09
		6	208	0.75
		7	240	-0.52
				0.00 Error

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
9/15/86	32+00	CL	-	17.75
		1	50	15.00
		2	100	11.91
		3	150	7.51
		4	182	2.82
		5	196	2.17
		6	202	1.47
		7	250	-0.79
	36+00	CL	-	17.69
		1	50	14.06
		2	100	11.62
		3	150	9.09
		4	168	7.00
		5	200	3.24
		6	220	2.44
		7	232	0.70
		8	280	-0.78
				0.00 Error
9/18/86	40+00	CL	-	17.70
		1	50	14.76
		2	100	11.62
		3	148	9.20
		4	200	4.30
		5	220	2.28
		6	230	1.08
		7	264	-0.76
	44+00	CL	-	17.83
		1	50	14.55
		2	100	11.33
		3	148	7.23
		4	220	1.01
		5	250	-0.58
	48+00	CL	-	17.86
		1	50	16.59
		2	100	11.09
		3	148	3.87
		4	156	2.71
		5	180	0.71
		6	230	-0.79

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
9/18/86	49+00	CL	-	17.97
		1	50	15.83
		2	100	12.36
		3	146	6.78
		4	200	0.76
		5	290	-1.04
				-0.02 Error
12/8/86	22+00	CL	-	17.86
		1	50	14.15
		2	98	10.77
		3	148	8.08
		4	200	6.06
		5	226	4.12
		6	246	2.57
		7	296	0.27
		8	348	-1.10
	24+00	CL	-	17.75
		1	48	13.93
		2	98	10.88
		3	150	8.01
		4	198	4.97
		5	214	4.21
		6	222	3.26
		7	250	2.21
		8	266	0.19
		9	318	-0.83
	28+00	CL	-	17.71
		1	50	13.57
		2	100	10.52
		3	148	7.49
		4	156	6.88
		5	174	4.20
		6	200	2.91
		7	230	0.26
		8	288	-0.76
	30+00	CL	-	17.77
		1	50	14.89
		2	100	11.27
		3	148	5.80
		4	200	1.56
		5	212	0.07
		6	268	-0.81
				+0.06 Error

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
12/8/86	32+00	CL	-	17.77
		1	50	15.02
		2	98	11.89
		3	148	8.07
		4	170	4.27
		5	206	0.05
		6	260	-0.93
	36+00	CL	-	17.71
		1	50	13.99
		2	98	11.62
		3	148	9.15
		4	172	7.21
		5	200	3.31
		6	236	0.47
		7	290	-0.72
				+0.01 Error
12/23/86	40+00	CL	-	17.74
		1	50	14.85
		2	100	11.73
		3	150	9.51
		4	200	4.41
		5	212	3.31
		6	212	2.70
		7	228	1.42
		8	244	-0.06
	44+00	CL	-	17.88
		1	50	14.69
		2	100	11.48
		3	150	7.27
		4	184	3.11
		5	186	2.47
		6	200	1.37
		7	228	-0.21
	48+00	CL	-	17.93
		1	50	16.65
		2	100	11.10
		3	152	3.85
		4	180	1.39
		5	204	-0.63

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
12/23/86	49+00	CL	-	18.05
		1	50	15.91
		2	100	12.49
		3	150	6.94
		4	196	1.41
		5	220	-0.66
				+0.06 Error
3/23/87	22+00	CL	-	17.86
		1	50	14.09
		2	100	10.68
		3	150	8.05
		4	200	5.92
		5	250	2.50
		6	282	1.92
		7	296	-0.12
	24+00	CL	-	17.74
		1	50	13.87
		2	100	10.82
		3	150	7.99
		4	200	4.94
		5	256	1.91
		6	276	-0.26
	28+00	CL	-	17.69
		1	50	13.53
		2	98	10.47
		3	150	7.43
		4	200	2.68
		5	208	1.69
		6	238	-0.34
	30+00	CL	-	17.77
		1	50	14.83
		2	100	11.17
		3	150	5.67
		4	174	3.58
		5	190	1.83
		6	220	-0.37
				+0.03 Error

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
3/23/87	32+00	CL	-	17.75
		1	50	14.99
		2	100	11.89
		3	150	7.88
		4	170	4.04
		5	178	2.29
		6	210	-0.02
	36+00	CL	-	17.70
		1	50	14.06
		2	100	11.62
		3	148	9.16
		4	168	7.43
		5	200	2.99
		6	210	2.20
		7	238	-0.07
	40+00	CL	-	17.71
		1	50	14.84
		2	100	11.70
		3	148	9.33
		4	200	4.38
		5	204	4.05
		6	210	2.33
		7	234	0.27
				+0.01 Error
3/24/87	44+00	CL	-	17.89
		1	50	14.65
		2	100	11.26
		3	148	7.08
		4	176	3.84
		5	188	2.20
		6	208	0.49
	48+00	CL	-	17.92
		1	50	16.60
		2	100	11.05
		3	150	3.20
		4	154	2.30
		5	174	0.38

Table 14 (cont.): Distance and elevation data for Hart-Miller Island beach profiles

Date surveyed	Profile	Stadia station	Distance* (ft)	Elevation** (ft)
3/24/87	49+00	CL	-	18.02
		1	50	15.74
		2	100	12.26
		3	150	6.87
		4	170	3.48
		5	184	2.32
		6	198	0.63
				+0.09 Error

* from centerline (CL) of dike roadway
** mean low water (MLW) datum

Table 15: Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the April 7-8, 1986 profiling survey (before beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
22+00	1	50	14.86	12.19	75.15	12.66	Fine to medium
	2	100	10.75	13.51	76.08	10.41	Very fine to very coarse
	3	150	8.20	1.34	93.30	5.36	Fine to coarse
	4	200	6.10	12.34	77.07	10.59	Fine to very coarse
	5	202	5.90	14.06	80.25	5.69	Fine to very coarse
	6	212	4.58	1.72	86.52	11.76	Fine to medium
	7	240	3.58	0	99.71	0.29	Well sorted fine
	8	248	2.39	3.43	95.91	0.66	Coarse to very coarse
	9	280	0.70	0	99.85	0.15	Fine to very coarse
24+00	1	50	14.03	6.55	89.20	4.24	Fine to medium
	2	100	10.89	3.48	90.82	5.71	Fine to medium
	3	150	8.07	7.76	89.70	2.54	Fine to coarse
	4	200	5.10	10.64	84.95	4.41	Fine to coarse
	5	224	3.58	0.11	99.51	0.38	Medium to coarse
	6	250	1.74	0	99.88	0.12	Medium
	7	268	0.64	0	99.87	0.13	Medium to coarse
28+00	1	50	13.65	12.50	80.98	6.52	Fine to medium
	2	100	10.60	11.38	83.43	5.20	Fine to medium
	3	150	7.53	19.92	74.37	5.71	Fine to medium with gravel
	4	164	6.54	12.86	82.03	5.11	Fine to coarse
	5	170	4.77	0.19	79.74	20.07	Fine to medium
	6	190	3.36	0	98.63	1.37	Very fine to medium
	7	200	2.32	0	99.68	0.32	Fine to medium
	8	228	0.32	0.55	99.30	0.15	Coarse to very coarse

Table 15 (cont.): Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the April 7-8, 1986 profiling survey (before beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
30+00	1	50	14.99	8.32	79.90	11.78	Very fine to medium
	2	100	11.54	14.07	72.62	13.30	Fine to very fine
	3	150	6.32	10.43	79.41	10.16	Fine to medium
	4	152	5.95	1.59	84.07	14.34	Fine to medium
	5	158	4.65	1.73	95.60	2.67	Medium to coarse
	6	180	3.79	3.33	95.55	1.13	Fine
	7	182	2.94	1.92	93.88	4.20	Fine to medium
	8	200	1.77	0	99.48	0.52	Fine to medium
	9	210	0.57	0	99.84	0.16	Fine to medium
32+00	1	50	15.07	11.51	76.63	11.86	Fine
	2	100	11.93	21.49	70.29	8.22	Fine to coarse with gravel
	3	150	8.04	14.00	76.95	9.04	Very fine to medium
	4	154	7.28	1.38	87.50	11.13	Fine to coarse
	5	164	4.41	0.78	97.67	1.55	Fine to very coarse
	6	176	3.91	3.36	94.68	1.96	Fine to coarse
	7	182	2.73	0	99.69	0.31	Very fine to fine
	8	206	1.33	0	99.87	0.13	Fine to medium
36+00	1	50	14.17	17.09	76.28	6.63	Very fine to medium
	2	100	11.67	4.59	88.85	6.56	Fine
	3	150	9.03	19.05	73.48	7.47	Fine to medium
	4	172	7.17	16.82	74.87	8.30	Fine to medium
	5	188	3.99	1.56	93.57	4.88	Fine to medium
	6	198	3.76	23.61	66.98	9.42	Fine to medium
	7	204	2.73	0	99.78	0.22	Fine to medium
	8	234	1.11	0	99.74	0.26	Fine to medium

Table 15 (cont.): Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the April 7-8, 1986 profiling survey (before beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
40+00	1	50	14.97	5.52	87.49	6.99	Fine
	2	100	11.83	60.31	33.61	6.09	Very fine to fine
	3	148	9.38	7.44	86.52	6.04	Fine to medium
	4	184	6.44	11.62	81.27	7.10	Very fine to coarse
	5	192	4.80	1.38	97.11	1.51	Fine to coarse
	6	196	4.95	-	-	-	-
	7	200	3.97	0	99.72	0.28	Medium
	8	204	3.85	1.11	97.61	1.28	Fine to medium
	9	212	2.78	0	99.79	0.21	Fine
	10	238	1.16	0	99.80	0.20	Fine
44+00	1	50	14.72	25.51	68.85	5.54	Fine to coarse
	2	100	11.51	4.78	84.46	10.76	Fine to medium
	3	148	7.19	16.74	77.07	6.20	Fine
	4	164	4.65	1.30	94.61	4.09	Fine to medium
	5	174	3.96	0	77.18	22.82	Very fine to fine
	6	176	2.90	0	53.41	46.59	Very fine
	7	200	1.23	0	99.71	0.29	Medium
	8	212	0.99	0	98.62	1.38	Fine to medium
48+00	1	50	16.67	12.39	77.52	10.09	Fine to coarse
	2	100	11.39	25.09	66.10	8.82	Fine to medium with gravel
	3	132	7.20	7.03	84.62	8.35	Very fine to fine
	4	138	5.18	3.42	93.09	3.49	Fine to medium
	5	142	4.74	1.38	97.66	0.96	Fine to very coarse
	6	144	3.05	2.29	94.39	3.32	Fine to coarse
	7	150	2.25	0	99.85	0.15	Medium
	8	180	0.82	23.09	76.61	0.29	Medium to very coarse

Table 15 (cont.): Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the April 7-8, 1986 profiling survey (before beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
49+00	1	50	15.93	9.57	82.98	7.45	Very fine to coarse
	2	100	12.25	25.41	64.39	10.20	Very fine to very coarse with gravel
	3	150	7.17	20.63	71.56	7.81	Very fine to fine with gravel
	4	160	5.99	0	99.84	0.16	Medium
	5	170	4.75	17.37	81.81	0.82	Fine to very coarse
	6	174	4.30	28.94	62.32	8.74	Fine to coarse with gravel
	7	176	2.97	0	99.66	0.34	Very fine to medium
	8	200	1.18	0	99.67	0.33	Medium

* from centerline of dike roadway
** mean low water (MLW) datum
*** Wentworth size nomenclature (see Table 1)

Table 16: Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the June 24-25, 1986 profiling survey (after beach regrading)

Profile	Stadia Station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
22+00	1	50	14.18	3.00	91.46	5.53	Fine to medium
	2	100	10.74	32.69	64.65	2.66	Fine to coarse with gravel
	3	150	8.03	2.00	94.17	3.83	Fine to coarse
	4	200	5.95	2.91	88.95	8.15	Fine to very coarse
	5	246	2.79	5.78	93.78	0.44	Medium to very coarse
	6	276	1.04	0	99.44	0.56	Medium
24+00	1	50	13.96	1.35	96.01	2.54	Fine to medium
	2	100	10.90	1.44	94.47	4.09	Very fine to medium
	3	150	8.04	2.26	94.16	3.58	Very fine to medium
	4	200	4.99	0.30	99.28	0.42	Fine to medium
	5	230	2.67	4.00	92.13	3.86	Very fine to medium
	6	260	1.07	0.32	99.50	0.18	Fine to very coarse
28+00	1	50	13.62	0.26	95.71	4.03	Very fine to fine
	2	98	10.60	1.41	95.86	2.73	Very fine to medium
	3	150	7.51	11.89	81.98	6.13	Very fine to fine
	4	194	2.69	0.08	99.09	0.83	Very fine to medium
	5	220	1.51	0.70	98.09	1.21	Fine to coarse
30+00	1	48	14.96	0.45	93.13	6.41	Very fine to fine
	2	100	11.35	0.28	90.07	9.65	Very fine to fine
	3	148	6.03	1.23	91.50	7.26	Very fine to fine
	4	184	2.87	0	99.38	0.62	Very fine to medium
	5	200	1.86	0	99.84	0.16	Medium to coarse

Table 16 (cont.): Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the June 24-25, 1986 profiling survey (after beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
32+00	1	50	15.06	10.01	86.64	3.35	Very fine to medium
	2	100	11.90	1.18	93.77	5.05	Very fine to coarse
	3	152	7.96	4.08	92.16	3.76	Fine to coarse
	4	184	3.10	1.70	96.60	1.70	Fine to coarse
	5	202	1.04	0	99.89	0.11	Fine to medium
36+00	1	50	14.04	19.98	73.70	6.32	Very fine to fine
	2	100	11.63	17.47	76.30	6.23	Very fine to medium
	3	150	9.16	11.94	81.50	6.56	Very fine to medium
	4	172	7.28	1.04	92.14	6.82	Very fine to medium
	5	200	3.46	2.24	90.41	7.35	Fine to coarse
	6	210	2.73	0	99.88	0.12	Fine
	7	228	1.10	0.12	99.69	0.19	Fine to medium
40+00	1	50	14.83	24.22	69.04	6.74	Very fine to medium
	2	100	11.66	8.20	86.61	5.19	Very fine to fine
	3	152	9.20	36.37	58.99	4.64	Very fine to medium
	4	190	5.06	0.93	95.55	3.52	Fine to coarse
	5	200	4.23	0.38	94.41	5.21	Fine to medium
	6	218	2.99	0	99.86	0.14	Fine
	7	234	1.03	0	99.89	0.11	Fine to medium
44+00	1	50	14.64	18.00	75.34	6.66	Very fine to medium
	2	100	11.41	23.00	71.03	5.97	Fine to coarse
	3	152	7.28	9.00	62.74	28.26	Very fine to coarse
	4	168	4.47	2.00	91.10	6.90	Fine to coarse
	5	194	2.97	0	99.76	0.24	Fine
	6	208	0.90	0.82	98.94	0.24	Fine to coarse

Table 16 (cont.): Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the June 24-25, 1986 profiling survey (after beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
48+00	1	50	16.62	26.00	68.42	5.58	Fine to very coarse
	2	98	11.20	21.43	76.74	1.83	Fine to very coarse
	3	124	8.24	27.90	64.80	7.30	Fine to very coarse
	4	148	3.36	0	97.02	2.98	Fine to medium
	5	172	0.83	0	99.81	0.19	Medium
49+00	1	50	15.78	34.00	59.05	6.95	Fine to very coarse with gravel
	2	100	12.40	27.00	66.33	6.66	Very fine to very coarse
	3	148	6.82	41.00	52.48	6.52	Very fine to very coarse with gravel
	4	190	2.25	0	99.25	0.75	Medium
	5	200	0.70	0.42	99.51	0.07	Coarse to very coarse

* from centerline of dike roadway
** mean low water (MLW) datum
*** Wentworth size nomenclature (see Table 1)

Table 17: Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the March 23-24, 1987 profiling survey (before beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
22+00	1	50	14.09	4.69	90.39	4.91	Fine to medium
	2	100	10.68	4.62	90.27	5.11	Medium
	3	150	8.05	8.00	86.86	5.14	Fine to medium
	4	200	5.92	2.91	84.22	12.88	Fine to medium
	5	250	2.50	0.30	99.03	0.67	Medium
	6	282	1.92	0.25	99.51	0.25	Medium
24+00	1	50	13.87	1.18	96.03	2.79	Medium
	2	100	10.82	11.69	83.87	4.44	Medium
	3	150	7.99	4.38	91.50	4.12	Medium
	4	200	4.94	2.10	86.42	11.48	Fine
	5	256	1.91	0.95	98.81	0.24	Medium
28+00	1	50	13.53	2.10	91.99	5.91	Medium
	2	98	10.47	9.64	85.85	4.50	Medium
	3	150	7.43	0.73	87.46	11.82	Fine
	4	200	2.68	0.00	99.27	0.73	Medium
	5	208	1.69	0.15	99.52	0.33	Medium
30+00	1	50	14.83	4.09	83.56	12.35	Medium
	2	100	11.17	5.81	82.52	11.67	Fine to medium
	3	150	5.67	2.75	80.20	17.05	Medium
	4	174	3.58	0.53	86.12	13.35	Medium
	5	190	1.83	0.16	99.56	0.28	Medium
32+00	1	50	14.99	6.66	81.04	12.30	Medium
	2	100	11.89	2.81	86.06	11.12	Medium
	3	150	7.88	3.10	86.53	10.38	Medium
	4	170	4.04	2.88	92.57	4.54	Medium to coarse
	5	178	2.29	0.09	89.27	10.65	Fine to medium
36+00	1	50	14.06	2.96	84.79	12.25	Fine to medium
	2	100	11.62	0.00	92.91	7.09	Medium
	3	148	9.16	1.37	89.59	9.04	Medium
	4	168	7.43	8.46	82.44	9.09	Medium
	5	200	2.99	0.20	98.42	1.38	Medium
	6	210	2.20	0.00	99.55	0.45	Medium

Table 17 (cont.): Sedimentological parameters of samples collected from the Hart-Miller Island recreational beach during the March 23-24, 1987 profiling survey (before beach regrading)

Profile	Stadia station	Dist.* (ft)	Elev.** (ft)	Gravel (%)	Sand (%)	Silt/Clay (%)	Sand size***
40+00	1	50	14.84	1.77	89.67	8.56	Fine to medium
	2	100	11.70	5.40	81.96	12.64	Fine to medium
	3	148	9.33	4.10	84.93	10.97	Fine to medium
	4	200	4.38	2.12	89.10	8.77	Fine to medium
	5	204	4.05	missing			
	6	210	2.33	0.00	99.58	0.42	Medium
44+00	1	50	14.65	7.50	81.75	10.75	Fine to medium
	2	100	11.26	14.66	75.15	10.18	Very fine to fine
	3	148	7.08	8.81	84.96	6.22	Medium
	4	176	3.84	2.44	82.42	15.14	Fine
	5	188	2.20	0.00	99.53	0.47	Medium
48+00	1	50	16.60	16.39	73.93	9.69	Medium
	2	100	11.05	7.83	87.97	4.19	Fine
	3	150	3.20	0.00	98.97	1.03	Medium
	4	154	2.30	0.00	99.07	0.93	Medium
49+00	1	50	15.74	35.42	52.32	12.26	Medium
	2	100	12.26	34.00	58.77	7.24	Fine
	3	150	6.87	9.17	81.98	8.86	Fine to medium
	4	170	3.48	7.87	90.67	1.45	Medium
	5	184	2.32	0.00	99.84	0.16	Medium

* from centerline of dike roadway
** mean low water (MLW) datum
*** Wentworth size nomenclature (see Table 1)

REFERENCES

Bouchard, H.; Moffitt, F. 1965. Surveying: Scranton, PA; The Haddon Craftsmen, Inc., p. 32-86.

Butler, L.R.P. 1975. Application of Atomic Absorption Spectrometry in Geochemistry, in Dean, J.A.;Rains, T.C.(eds.) Flame Emission and Atomic Absorption Spectrometry : Volume 3-Elements and Matrices: New York; Marcel Dekker, Inc.; pp. 510-547.

Cantillo, A.Y. 1982. Trace Elements Deposition Histories in the Chesapeake Bay: Unpubl. PhD dissertation, Univ. of MD, Chemistry Dept.; College Park, MD; 298 p.

Emmel, R.H.; Sotera, J.J.; Stux, R.L. 1977. Atomic Absorption Methods Manual: Volume I-Standard Conditions for Flame Operation : Instrumentation Laboratories, Inc.; Analytical Instrumentation Division.

Halka, J. 1987. LORAN-C Calibration in Chesapeake Bay : Baltimore, MD; MD Geol. Survey Report of Investigations 47; 34 p.

Kerhin, R.T.; Halka, J.P.; Hennessee, E.L.; Blakeslee, P.J.; Wells, D.V.; Zoltan, N.; Cuthbertson, R.H. 1983. Physical Characteristics and Sediment Budget for Bottom Sediments in the Maryland Portion of Chesapeake Bay: Final Report to the U.S. Environmental Protection Agency (Contract No. EPA R805956): Baltimore, MD; MD Geol. Survey; 190 p.

Shepard, F.P. 1954. Nomenclature based on sand-silt-clay ratios; Jour. Sed. Petrology; 24:151-158.

Sinex, S.A.; Cantillo, A.Y.;Helz, G.R. 1980. Accuracy of acid extraction methods for trace metals in sediments; Anal. Chem.; 52:2342-2346.

Sinex, S.A.; Helz, G.R. 1981. Regional geochemistry of trace metals in Chesapeake Bay sediments; Environ. Geology; 3:315-323.

Suhr, N.H.; Ingamells, C.O. 1966. Solution techniques for analysis of silicates, Anal. Chem.; 38:730-734.

Van Loon, J.C. 1980. Analytical Atomic Absorption Spectroscopy: Selected Methods: New York, Academic Press, 337 p.

Sixth Data Report
Project III - Benthic Studies

May 1988

by

Dr. Linda E. Duguay, Co-Principal Investigator
Dr. Kenneth R. Tenore, Co-Principal Investigator
Mr. Hayes T. Pfitzenmeyer, Consultant

to

Tidewater Administration
Maryland Department of Natural Resources
Annapolis, Maryland 21401

Benthic Data Report

Sixth Year

The results of benthic samples collected during scientific cruises to Hart-Miller Island Containment Facility are presented in this report. The sampling dates were December 17-18, 1986, April 13-14, 1987, and August 24-25, 1987. Sampling was conducted from the University of Maryland's R/V ORION.

Eighteen stations, as illustrated in Figures 1 (CBL-Designation) and 2 (State Station No.), were sampled on each of these visits. Five stations (with the HM prefix) are reference sites, and have been sampled since the inception of the project. Eight stations (with S designations) around the perimeter of the island represent the nearfield experimental benthic stations. Five stations (with an R designation) are epifaunal sampling sites, and these samples were obtained from the piers at various locations around the island.

Benthic data obtained at each site for each monitoring period is presented on a separate page. Station logistics and ecological data collected at each station are also presented on the data sheets.

Benthic infaunal samples were obtained with a 0.05 m^2 Ponar grab. Three replicates samples were obtained at each station. These samples were washed separately on a 0.5 mm mesh-opening screen. Samples were preserved in 10% formalin and later stored in 70% ethyl alcohol. Epibenthic samples were obtained by a SCUBA diver scraping a qualitative sample from concrete pilings, which are located about 50' from the stone riprap wall of the containment facility and from a reference site located on a navigational beacon at the Pleasure Island Channel. Samples were taken from about 1-1.3 m and 2-3 m below the water surface. These samples were also processed on the 0.5 mm screen.

Individual specimens in benthic samples were identified to the lowest taxonomic unit possible. Counts were made on individuals or head sections of pieces of specimens. The attached data sheets present the actual number of individuals recorded for each of the three replicate samples at the quantitative reference and nearfield stations. Colonial forms and qualitative epibenthic samples were classified to four densities, very abundant (1), abundant (2), common (3), and present (4). These qualitative designations are recorded on the data sheet for these five epibenthic stations.

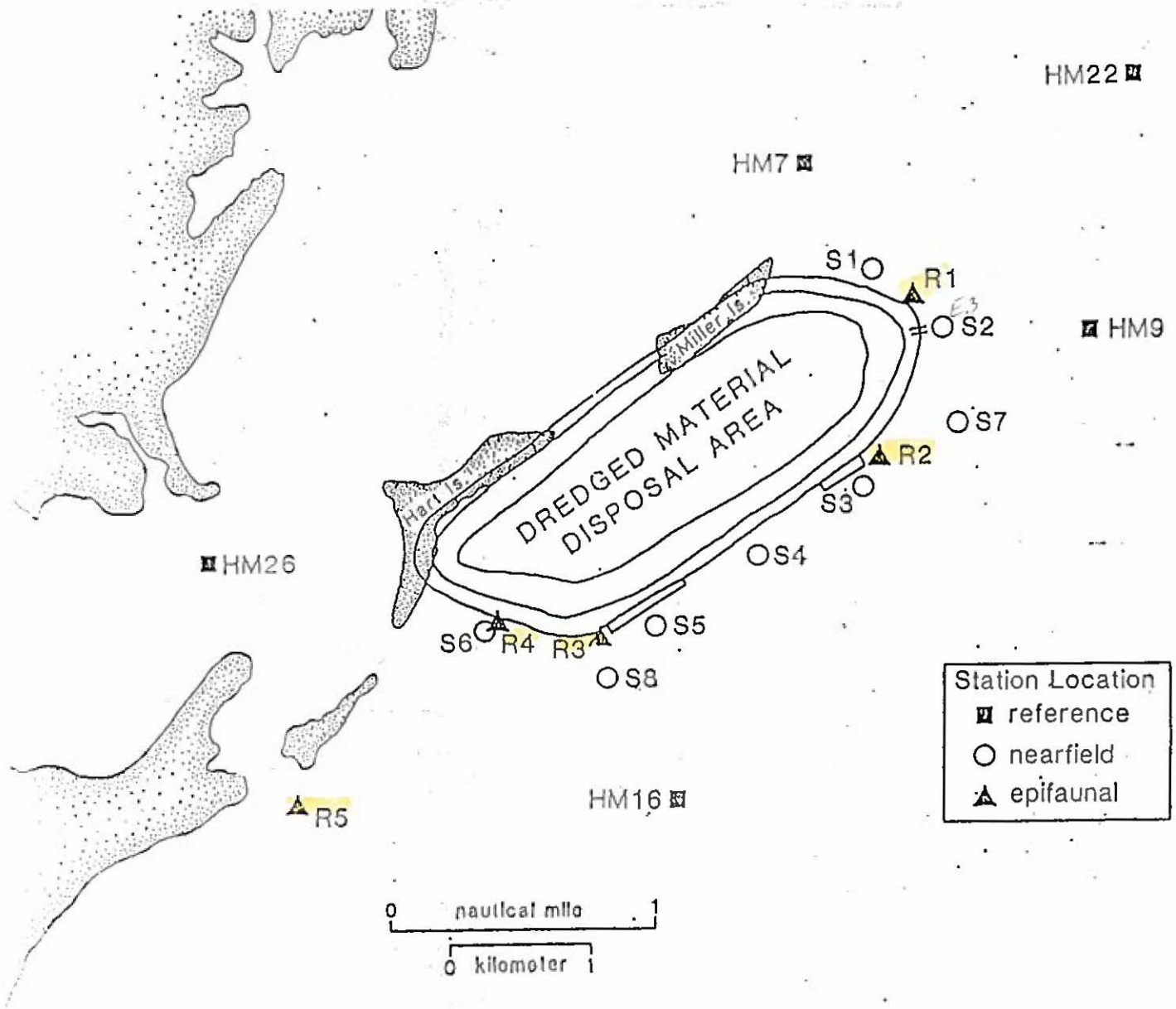

Figure 1: Benthic infaunal and epifaunal sampling station locations at the Hart-Miller Island containment facility. University of Maryland, Chesapeake Biological Lab designations.

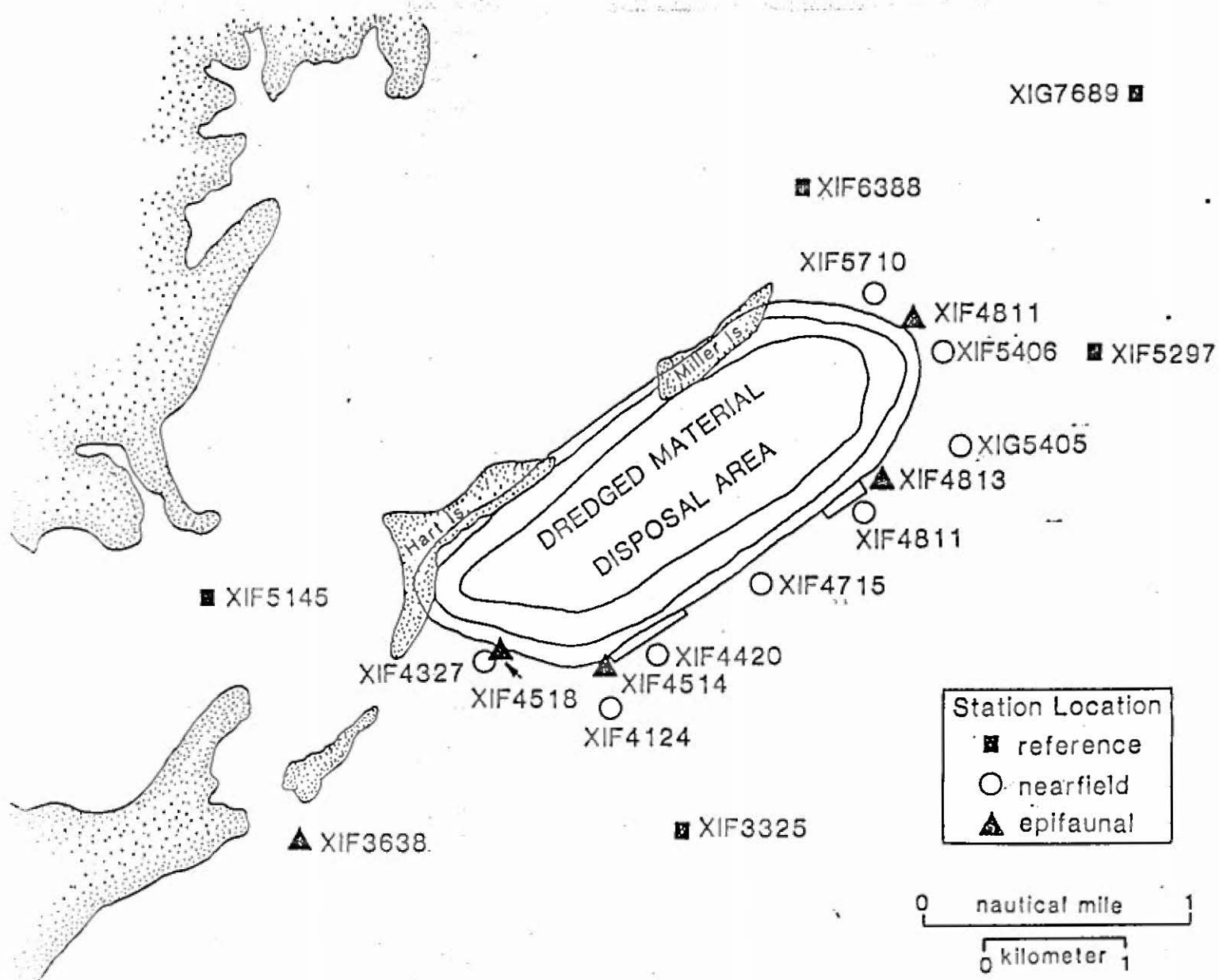

Figure 2: Benthic infaunal and epifaunal sampling station locations at the Hart-Miller Island containment facility. State of Maryland designations.

R1

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 13:17 TIDE Ebb

STATION NO. XIF5710 LAT. 39°15'39" LONG. 76°20'57"

WATER DEPTH 5' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis	1			3
4	Melinna sp.				4
5	Nereis succinea				5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	2	13	10	10
11	Streblospio benedicti	1			11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli			2	20
21	Rangia cuneata	1	3	1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus		2	3	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra		1		41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 11:46 TIDE Ebb

STATION NO. XIF5406 LAT. 39°15'25" LONG. 76°20'35"

WATER DEPTH 12' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis			3	3
4	Melinna sp.				4
5	Nereis succinea	6	10	11	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	1	1		10
11	Streblospio benedicti	1			11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus	1		1	16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli		1		20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	143	155	130	27
28	Balanus subalbidus		1		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea luifrons	3	10	7	31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre		2	2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	5	1	3	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	3	3	7	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis	V.Abun.	Abun.	Abun.	49
50	Victorella pavida				50

R2

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 11:18 TIDE Ebb

STATION NO. XIF4811 LAT. 39°14'50" LONG. 76°21'07"

WATER DEPTH 15' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2	1	3	2
3	Heteromastus filiformis	16	16	10	3
4	Melinna sp.				4
5	Nereis succinea	1	1		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	22	8	17	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	1	1		19
20	Macoma mitchelli	6		5	20
21	Rangia cuneata	2	14	4	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus		2		27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	8	7	6	30
31	Cassidinidea lunifrons				31
33	Edotea triloba			1	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	54	7	26	36
37	Corophium lacustre	2	3	2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis			pres.	49
50	Victorella pavida				50

R3

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 10:45 TIDE Ebb

STATION NO. XIF4715 LAT. 39°14'40" LONG. 76°21'28"

WATER DEPTH 14' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		1		2
3	Heteromastus filiformis	24	18	23	3
4	Melinna sp.				4
5	Nereis succinea	2	2	2	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda		1	1	8
9	Polydora ligni				9
10	Scolecolepides viridis	8	11	4	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica		3		19
20	Macoma mitchelli	5	6	5	20
21	Rangia cuneata	3	3	8	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	8	7	5	30
31	Cassidinidea lunifrons				31
33	Edotea triloba			2	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	19	15	23	36
37	Corophium lacustre			2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		1	1	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.		2		43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

R4

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 10:35 TIDE Lt. Ebb

STATION NO. XIF4420 LAT. 39°14'23" LONG. 76°22'00"

WATER DEPTH 19' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2		1	2
3	Heteromastus filiformis	25	13	3	3
4	Melinna sp.				4
5	Nereis succinea	2	68	11	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	1			10
11	Streblospio benedicti	2	3	10	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta		1		17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli	5		1	20
21	Rangia cuneata	4			21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus		3	2	27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	2	10	13	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	2			33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	76	0	2	36
37	Corophium lacustre	37	9	4	37
38	Gammarus daiberi				38
39	Gammarus tigrinus		1		39
40	Melita nitida	1	1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi		15	7	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis		pres.		49
50	Victorella pavida				50

R5

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 10:08 TIDE slack

STATION NO. XIF4327 LAT. 39°14'17" LONG. 76°22'41"

WATER DEPTH 10' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2	2	7	2
3	Heteromastus filiformis	71	51	63	3
4	Melinna sp.				4
5	Nereis succinea	1	1	3	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	6	3	17	8
9	Polydora ligni				9
10	Scolecolepides viridis	9	3	9	10
11	Streblospio benedicti	2	6	1	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	20	20	61	19
20	Macoma mitchelli	4	6	10	20
21	Rangia cuneata	2			21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	9	4	14	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	10	1	5	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	269	257	219	36
37	Corophium lacustre	43	29	28	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	2	2		40
41	Chirodotea almyra	1			41
42	Monoculodes edwardsi				42
43	Chironomid sp.	1	2		43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 11:37 TIDE Ebb

STATION NO. XIG5405 LAT. 39°15'23" LONG. 76°20'28"

WATER DEPTH 12' 5 WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis	3	1		3
4	Melinna sp.				4
5	Nereis succinea	4	4		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	1	1		10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta		1		17
18	Littoridinops sp.				18
19	Macoma balthica		1		19
20	Macoma mitchelli		1	2	20
21	Rangia cuneata	1	1		21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus		2	1	27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	5	2	1	30
31	Cassidinidea lunifrons		1		31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	10	1		36
37	Corophium lacustre	2			37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi		4	1	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis		pres.		49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 10:23 TIDE slack

STATION NO. XIF4124 S8 LAT. 39°14'08" LONG. 76°22'24"

WATER DEPTH 14' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi			3	2
3	Heteromastus filiformis	4	2	12	3
4	Melinna sp.				4
5	Nereis succinea	1	1	1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis		2	1	10
11	Streblospio benedicti	1	1	1	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	1		1	19
20	Macoma mitchelli	1	15	4	20
21	Rangia cuneata			1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	3	7	2	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	24	19	21	36
37	Corophium lacustre	2	1	2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	2	1		43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 09:52 TIDE Slack

STATION NO. XIF3325 HM16 LAT. 39°13'17" LONG. 76°22'30"

WATER DEPTH 17' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	7	3		2
3	Heteromastus filiformis	37	41	24	3
4	Melinna sp.				4
5	Nereis succinea		1		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	1	1	1	8
9	Polydora ligni				9
10	Scolecolepides viridis	2			10
11	Streblospio benedicti	5	2	2	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica		1	2	19
20	Macoma mitchelli	3	4	1	20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	8	6	9	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	110	237	150	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	3	4	3	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	1			44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 13:53 TIDE Ebb

HM22

STATION NO. XIG7689 LAT. 39°16'58" LONG. 76°18'51"

WATER DEPTH 13' WATER TEMP. _____ WATER SAL. _____ ok

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis	5	1	2	3
4	Melinna sp.				4
5	Nereis succinea	2			5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	1	1		8
9	Polydora ligni				9
10	Scolecolepides viridis	10	8	10	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica		1		19
20	Macoma mitchelli	7	6	3	20
21	Rangia cuneata	14	4	8	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	9	4	4	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	88	121	94	36
37	Corophium lacustre	4	3	2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	3	2	2	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.		1		43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 15:48 TIDE Ebb

STATION NO. XIF5145 LAT. 39°14'39" LONG. 76°23'55"

WATER DEPTH 10' WATER TEMP. _____ WATER SAL. _____ OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2	7	2	2
3	Heteromastus filiformis	4	6	7	3
4	Melinna sp.				4
5	Nereis succinea	2	1	1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	39	31	24	8
9	Polydora ligni				9
10	Scolecolepides viridis		2	1	10
11	Streblospio benedicti	13		3	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	28	37	31	19
20	Macoma mitchelli	6	12	11	20
21	Rangia cuneata	8	4	5	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	3	1	4	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	4	9	6	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	155	66	100	36
37	Corophium lacustre	9	1	3	37
38	Gammarus daiberi				38
39	Gammarus tigrinus		1		39
40	Melita nitida	11	3	4	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	3	4	3	43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 13:33 TIDE Ebb

HM7

STATION NO. XIF6388 LAT. 39°16'15" LONG. 76°20'50"

WATER DEPTH 13' WATER TEMP. _____ WATER SAL. _____

OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis	1	3	1	3
4	Melinna sp.				4
5	Nereis succinea			1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis		1	1	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica			1	19
20	Macoma mitchelli	8		3	20
21	Rangia cuneata	6	8	6	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	1	1	3	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	15	29	20	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	1			43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-17-1986 SAMPLE METHOD ponar grab TIME 12:10 TIDE Ebb

STATION NO. XIF5297 HM 9 LAT. 39°15'33" LONG. 76°19'53"

WATER DEPTH 15' WATER TEMP. _____ WATER SAL. _____ OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		1	1	2
3	Heteromastus filiformis	2	5	3	3
4	Melinna sp.				4
5	Nereis succinea			1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	1		2	8
9	Polydora ligni				9
10	Scolecolepides viridis	22	22	20	10
11	Streblospio benedicti		1		11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta	1			17
18	Littoridinops sp.				18
19	Macoma balthica			1	19
20	Macoma mitchelli	1	1	2	20
21	Rangia cuneata	3	1	2	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	7	4	9	30
31	Cassidinidea lunifrons		1		31
33	Edotea triloba	1	2		33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	12	57	50	36
37	Corophium lacustre	1	6	2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-18-1986 SAMPLE METHOD scraping TIME 08:46 TIDE _____

STATION NO. XIF4811 LAT. 39°14'49" LONG. 76°21'07"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	6' GRAB 2	GRAB 3
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea		4	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda			8
9	Polydora ligni		1	9
10	Scolecolepides viridis		4	10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.			14
15	Capitella capitata			15
16	Ischadium recurvus			16
17	Congeria leucophaeta			17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus			27
28	Balanus subalbidus	2	3	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	4	1	37
38	Gammarus daiberi			38
39	Gammarus tigrinus		4	39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.	2		43
44	Rithropanopeus harrisi			44
45	Gammarus mucronatus			45
46	Cordylophora caspia	4	4	46
47	Garveia franciscana			47
48	Stylochus ellipticus			48
49	Membranipora tenuis			49
50	Victorella pavida			50

DATE 12-18-1986 SAMPLE METHOD scraping TIME 09:07 TIDE _____

STATION NO. XIF4813 LAT. 39°14'46" LONG. 76°21'16"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea		2		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni	4	4		9
10	Scolecolepides viridis				10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improisus	2			27
28	Balanus subalbidus		2		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	4	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	4			43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia		4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis		4		49
50	Victorella pavida				50

DATE 12-18-1986 SAMPLE METHOD scraping TIME 09:43 TIDE _____

STATION NO. XIF4514 LAT. 39°14'32" LONG. 76°21'23"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea	4	3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni	4	3		9
10	Scolecolepides viridis				10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	3	3		27
28	Balanus subalbidus	3	3		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	4	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	4			43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia	4	4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis		4		49
50	Victorella pavida				50

DATE 12-18-1986 SAMPLE METHOD scraping TIME 10:01 TIDE _____

STATION NO. XIF4518 LAT. 39°14'28" LONG. 76°21'50"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea		3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni		3		9
10	Scolecolepides viridis				10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	3			27
28	Balanus subalbidus	3	3		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	4	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	4			43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia		4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 12-18-1986 SAMPLE METHOD scraping TIME 10:30 TIDE _____

STATION NO. XIF3638 LAT. 39°13'37" LONG. 76°23'47"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	4' GRAB 2	8' GRAB 3	
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea	2	2	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda			8
9	Polydora ligni	2	2	9
10	Scolecolepides viridis			10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.			14
15	Capitella capitata			15
16	Ischadium recurvus			16
17	Congeria leucophaeta			17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus		3	27
28	Balanus subalbidus	3	3	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	1	1	37
38	Gammarus daiberi			38
39	Gammarus tigrinus			39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.			43
44	Rithropanopeus harrisi			44
45	Gammarus mucronatus			45
46	Cordylophora caspia	1	1	46
47	Garveia franciscana			47
48	Stylochus ellipticus			48
49	Membranipora tenuis			49
50	Victorella pavida			50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 13:23 TIDE Ebb

STATION NO. XIF5710 LAT. 39°15'39" LONG. 76°20'57"

WATER DEPTH 5' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis		6	1	3
4	Melinna sp.				4
5	Nereis succinea				5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	140	189	74	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli			1	20
21	Rangia cuneata		1	1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	1			27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	1	4		30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	8	6	2	36
37	Corophium lacustre	1			37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 11:47 TIDE Ebb

STATION NO. XIF5406 LAT. 39°15'25" LONG. 76°20'35"

WATER DEPTH 12' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		1		2
3	Heteromastus filiformis	5		4	3
4	Melinna sp.				4
5	Nereis succinea	15	22	22	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	32	9	8	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus		2	3	16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica		1		19
20	Macoma mitchelli	3	3		20
21	Rangia cuneata	1		1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	46	151	140	27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	3	2		30
31	Cassidinidea lunifrons		2	1	31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	1		1	36
37	Corophium lacustre	1	2		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	5	3	1	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	6	6	25	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis	common	common	common	49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 11:34 TIDE Ebb

STATION NO. XIF4811 LAT. 39°14'50" LONG. 76°21'07"

WATER DEPTH 17' WATER TEMP. _____ WATER SAL. _____

5/4/03 OK 90

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		3	2	2
3	Heteromastus filiformis	1			3
4	Melinna sp.				4
5	Nereis succinea		1		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	1	19	14	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	2	1	2	19
20	Macoma mitchelli		1	1	20
21	Rangia cuneata		4	12	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita		2		30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	69	4	20	36
37	Corophium lacustre		3		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 11:18 TIDE Ebb

STATION NO. XIF4715 LAT. 39°14'40" LONG. 76°21'28"

WATER DEPTH 15' WATER TEMP. _____ WATER SAL. _____

5/6/03 Grab 3 was entered in electronic file with date of 4/13/86 date was changed and organized with grabs #2 accordingly

OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2	3		2
3	Heteromastus filiformis	12	16	6	3
4	Melinna sp.				4
5	Nereis succinea		1	1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	4			8
9	Polydora ligni				9
10	Scolecolepides viridis	16	31	12	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	54	17	1	19
20	Macoma mitchelli	3	3	1	20
21	Rangia cuneata	1	17	19	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	6	3	4	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	65	30	32	36
37	Corophium lacustre	2			37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	1			40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 11:04 TIDE Ebb

STATION NO. XIF4420 LAT. 39°14'23" LONG. 76°22'00"

WATER DEPTH 16' WATER TEMP. _____ WATER SAL. _____

5/6/03 OK J.H.

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	3		1	2
3	Heteromastus filiformis	15	10	7	3
4	Melinna sp.				4
5	Nereis succinea	2		1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	5	6	4	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	103	70	11	19
20	Macoma mitchelli	22	13	7	20
21	Rangia cuneata	1			21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	5	6	6	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	2	2	1	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	85	127	31	36
37	Corophium lacustre			7	37
38	Gammarus daiberi		1		38
39	Gammarus tigrinus				39
40	Melita nitida			2	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi			2	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 10:36 TIDE Ebb

STATION NO. XIF4327 LAT. 39°14'17" LONG. 76°22'41"

WATER DEPTH 11' WATER TEMP. _____ WATER SAL. _____ 5/0/03 OK 9/8

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	3	2	1	2
3	Heteromastus filiformis	14	24	25	3
4	Melinna sp.				4
5	Nereis succinea			2	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda		2	9	8
9	Polydora ligni				9
10	Scolecolepides viridis	7	8	5	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	73	87	73	19
20	Macoma mitchelli	3	9	6	20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	5	4	5	30
31	Cassidinidea lunifrons				31
33	Edotea triloba			1	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	108	104	160	36
37	Corophium lacustre	3		1	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		2	2	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	2	1	1	43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 12:00 TIDE Ebb

STATION NO. XIG5405 LAT. 39°15'23" LONG. 76°20'28"

WATER DEPTH 16' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi			1	2
3	Heteromastus filiformis	10	16	4	3
4	Melinna sp.				4
5	Nereis succinea	1	7	2	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	127	151	71	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	8	3	2	19
20	Macoma mitchelli	2	6	1	20
21	Rangia cuneata		2	1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	11	9	6	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	28	13	19	36
37	Corophium lacustre		1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 10:47 TIDE Ebb

STATION NO. XIF4124 LAT. 39°14'08" LONG. 76°22'24"

WATER DEPTH 15' WATER TEMP. _____ WATER SAL. _____

5/6/03 OK 9#

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	1	1	3	2
3	Heteromastus filiformis	8	10	4	3
4	Melinna sp.				4
5	Nereis succinea		5		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	17	6	3	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	16	17	21	19
20	Macoma mitchelli	4		1	20
21	Rangia cuneata			1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	7	8	8	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	80	82	56	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 10:10 TIDE Ebb

STATION NO. XIF3325 LAT. 39°13'17" LONG. 76°22'30"

WATER DEPTH 15' WATER TEMP. _____ WATER SAL. _____

5/6/03 OK gt

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2			2
3	Heteromastus filiformis	36	22	20	3
4	Melinna sp.				4
5	Nereis succinea	1	1	3	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda		1		8
9	Polydora ligni				9
10	Scolecolepides viridis	4	2	2	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	20	23	14	19
20	Macoma mitchelli	5	4	4	20
21	Rangia cuneata			2	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	9	5	10	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	76	66	61	36
37	Corophium lacustre	2	2		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 14:05 TIDE Ebb

STATION NO. XIG7689 LAT. 39°16'58" LONG. 76°18'51"

WATER DEPTH 13' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	1			2
3	Heteromastus filiformis	7	8	4	3
4	Melinna sp.				4
5	Nereis succinea				5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	4	15	5	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	12	3	7	19
20	Macoma mitchelli	3	3	2	20
21	Rangia cuneata	3	3		21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	1	2	3	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	1			33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	136	70	200	36
37	Corophium lacustre	1		3	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	9	5	10	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	1	1	1	43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 17:06 TIDE Ebb

STATION NO. XIF5145 LAT. 39°14'39" LONG. 76°23'55"

WATER DEPTH 18' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		1	1	2
3	Heteromastus filiformis	5	9	13	3
4	Melinna sp.				4
5	Nereis succinea	2	3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	12	6	7	8
9	Polydora ligni				9
10	Scolecolepides viridis	25	24	5	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	24	132	26	14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	20	12	35	19
20	Macoma mitchelli	3	5	4	20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	2		2	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	1	1		33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	87	82	95	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	1		3	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	2	4	3	43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 14:16 TIDE Ebb

STATION NO. XIF6388 LAT. 39°16'15" LONG. 76°20'50"

WATER DEPTH 12' WATER TEMP. _____ WATER SAL. _____ °F

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	1			2
3	Heteromastus filiformis	3	3	4	3
4	Melinna sp.				4
5	Nereis succinea				5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	13	20	10	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta	2			17
18	Littoridinops sp.				18
19	Macoma balthica	3	2	4	19
20	Macoma mitchelli	3	6		20
21	Rangia cuneata	20	16	8	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	6	1	2	30
31	Cassidinidea lunifrons				31
33	Edotea triloba		1		33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	27	14	44	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	1	1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	1			43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-13-1987 SAMPLE METHOD ponar grab TIME 14:24 TIDE Ebb

STATION NO. XIF5297 LAT. 39°15'33" LONG. 76°19'53"

WATER DEPTH 14' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		1		2
3	Heteromastus filiformis		2	5	3
4	Melinna sp.				4
5	Nereis succinea	22	20	23	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	16	29	22	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium reurvus				16
17	Congeria leucophaeta			1	17
18	Littoridinops sp.				18
19	Macoma balthica	1			19
20	Macoma mitchelli	1	1		20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	17	53	30	27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	3	6	3	30
31	Cassidinidea lunifrons		1		31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus			1	36
37	Corophium lacustre	2	1	2	37
38	Gammarus daiberi				38
39	Gammarus tigrinus	1			39
40	Melita nitida	11	12	6	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	3	9	18	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis	common	common	common	49
50	Victorella pavida				50

DATE 4-14-1987 SAMPLE METHOD scraping TIME 10:04 TIDE Lt. Ebb

STATION NO. XIF4811 LAT. 39°14'49" LONG. 76°21'07"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	6' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea		3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	4	4		10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus	2	3		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	1	1		37
38	Gammarus daiberi	4			38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	4	4		43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia	4	4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-14-1987 SAMPLE METHOD scraping TIME 09:45 TIDE Slack

STATION NO. XIF4813 LAT. 39°14'46" LONG. 76°21'16"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea	4	3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis		4		10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	4			27
28	Balanus subalbidus	4	4		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	2	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	4	4		43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia	4	4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-14-1987 SAMPLE METHOD scraping TIME 09:32 TIDE Ebb

STATION NO. XIF4514 LAT. 39°14'32" LONG. 76°21'23"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea	4	3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis		4		10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus		4		27
28	Balanus subalbidus	4	3		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	2	1		37
38	Gammarus daiberi	4			38
39	Gammarus tigrinus	4			39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.	4			43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia	4	4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 4-14-1987 SAMPLE METHOD scraping TIME 09:09 TIDE Slack

STATION NO. XIF4518 LAT. 39°14'28" LONG. 76°21'50"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea		2	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda			8
9	Polydora ligni			9
10	Scolecolepides viridis		4	10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.	1	1	14
15	Capitella capitata			15
16	Ischadium recurvus			16
17	Congeria leucophaeta			17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus			27
28	Balanus subalbidus	2	2	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	1	1	37
38	Gammarus daiberi			38
39	Gammarus tigrinus	3		39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.	4		43
44	Rithropanopeus harrisi			44
45	Gammarus mucronatus			45
46	Cordylophora caspia	4	4	46
47	Garveia franciscana			47
48	Stylochus ellipticus			48
49	Membranipora tenuis			49
50	Victorella pavida			50

DATE 4-14-1987 SAMPLE METHOD scraping TIME 08:45 TIDE Slack

STATION NO. XIF3638 LAT. 39°13'37" LONG. 76°23'47"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	6' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea		4		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis				10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	2	1		14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus	4	3		28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	2	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus		4		39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia		4		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-1987 SAMPLE METHOD ponar grab TIME 12:20 TIDE Ebb

STATION NO. XIF5710 LAT. 39°15'39" LONG. 76°20'57"

WATER DEPTH 6' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis	4	4	4	3
4	Melinna sp.				4
5	Nereis succinea				5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda			1	8
9	Polydora ligni				9
10	Scolecolepides viridis	15	5	12	10
11	Streblospio benedicti	4	11	16	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica		1		19
20	Macoma mitchelli				20
21	Rangia cuneata	7	10	11	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	21	15	18	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	2	1		33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	25	20	26	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi	2	2	2	42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-1987 SAMPLE METHOD ponar grab TIME 11:52 TIDE Ebb

STATION NO. XIF5406 LAT. 39°15'25" LONG. 76°20'35"

WATER DEPTH 12' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2			2
3	Heteromastus filiformis	2	4	9	3
4	Melinna sp.				4
5	Nereis succinea	6	6	12	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis				10
11	Streblospio benedicti		1		11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	1			14
15	Capitella capitata				15
16	Ischadium recurvus	7	6	3	16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	103	128	86	27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita			2	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	2	3	1	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	14	22	36	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-1987 SAMPLE METHOD ponar grab TIME 11:40 TIDE Ebb

STATION NO. XIF4811 LAT. 39°15'50" LONG. 76°21'07"

WATER DEPTH 16' WATER TEMP. _____ WATER SAL. _____

5/7/03 OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	1	9	8	2
3	Heteromastus filiformis	21	48	59	3
4	Melinna sp.				4
5	Nereis succinea		3		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda		1		8
9	Polydora ligni				9
10	Scolecolepides viridis	10	27	27	10
11	Streblospio benedicti	18	15	53	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	3	3	28	14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	10	0	8	19
20	Macoma mitchelli	4	0	7	20
21	Rangia cuneata	43	17	1	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	26	26	99	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus		1		36
37	Corophium lacustre			1	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi		2	3	42
43	Chironomid sp.				43
44	Rithropanopeus harrisi		15	2	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-1987 SAMPLE METHOD ponar grab TIME 11:28 TIDE Ebb

STATION NO. XIF4715 LAT. 39°14'40" LONG. 76°21'28"

WATER DEPTH 16' WATER TEMP. _____ WATER SAL. _____ 5/7/03 OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	2		7	2
3	Heteromastus filiformis	37	20	3	3
4	Melinna sp.				4
5	Nereis succinea	1	1		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda	1			8
9	Polydora ligni				9
10	Scolecolepides viridis	1	1	7	10
11	Streblospio benedicti	3	1		11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	2	3		14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica			4	19
20	Macoma mitchelli			2	20
21	Rangia cuneata	404	289	1	21
22	Mya arenariad				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	24	4	8	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	9	3	0	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-1987 SAMPLE METHOD ponar grab TIME 11:16 TIDE Ebb

STATION NO. XIF4420 LAT. 39°14'23" LONG. 76°21'00"

WATER DEPTH 16' WATER TEMP. _____ WATER SAL. _____

5/7/03 OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	6	9	13	2
3	Heteromastus filiformis	12	29	43	3
4	Melinna sp.				4
5	Nereis succinea		1		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda		7	8	8
9	Polydora ligni				9
10	Scolecolepides viridis	8	8	1	10
11	Streblospio benedicti	4	25	103	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	1	5	115	14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	13	33	46	19
20	Macoma mitchelli	0	4	13	20
21	Rangia cuneata	3	50	71	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	22	28	6	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris		1		35
36	Leptocheirus plumulosus				36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi	1		1	42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	6	4	1	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 10:22 TIDE Ebb

STATION NO. XIF4327 LAT. 39°14'17" LONG. 76°22'41"

WATER DEPTH 10' WATER TEMP. 27°C WATER SAL. 6.5-°/oo

5/7/03 OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	7	7	3	2
3	Heteromastus filiformis	21	21	19	3
4	Melinna sp.				4
5	Nereis succinea	1			5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda		1		8
9	Polydora ligni				9
10	Scolecolepides viridis	9	11	7	10
11	Streblospio benedicti		9	31	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.		3	3	14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	20	28	40	19
20	Macoma mitchelli	0	0	2	20
21	Rangia cuneata	9	19	27	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	31	25	29	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	6	6	10	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi			1	42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	2	2	1	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 11:53 TIDE Ebb

STATION NO. XIG5405 LAT. 39°15'23" LONG. 76°20'28"

WATER DEPTH 13' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	5	3	2	2
3	Heteromastus filiformis	33	45	7	3
4	Melinna sp.				4
5	Nereis succinea	1		4	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	17	22	0	10
11	Streblospio benedicti	28	29	1	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	3	4	3	14
15	Capitella capitata				15
16	Ischadium recurvus			1	16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	0	1	0	19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	10	3	95	27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	7	27	3	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus			1	36
37	Corophium lacustre			1	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	2		1	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi		2	1	42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	9	1	10	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 10:47 TIDE Ebb

STATION NO. XIF4124 LAT. 39°14'08" LONG. 76°22'24"

WATER DEPTH 12' WATER TEMP. _____ WATER SAL. _____

5/7/03 ok

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	12	2		2
3	Heteromastus filiformis	36	7	3	3
4	Melinna sp.				4
5	Nereis succinea				5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	4	2	0	10
11	Streblospio benedicti	88	21		11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	9			14
15	Capitella capitata	15	4	10	15
16	Ischadium recurvus	3			16
17	Congeria leucophaeta	1			17
18	Littoridinops sp.				18
19	Macoma balthica	15	4	10	19
20	Macoma mitchelli	3			20
21	Rangia cuneata	1			21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	76	38	11	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi		1		42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	5	1		44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 10:10 TIDE Ebb

STATION NO. XIF3325 LAT. 39°13'17" LONG. 76°22'30"

WATER DEPTH 16' WATER TEMP. 29°C WATER SAL. 8.1-°/oo

5/7/03 OK

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	7	9	16	2
3	Heteromastus filiformis	45	34	24	3
4	Melinna sp.				4
5	Nereis succinea			1	5
6	Scoloplos fragilis		2		6
7	Pectinaria gouldi				7
8	Eteone heteropoda			2	8
9	Polydora ligni				9
10	Scolecolepides viridis	0	2	3	10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	2	1		14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	39	62	58	19
20	Macoma mitchelli			2	20
21	Rangia cuneata	17	20	22	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	46	43	46	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	46	52	26	36
37	Corophium lacustre			1	37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida	6	6	2	40
41	Chirodotea almyra				41
42	Monoculodes edwardsi	2	2		42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	1	1		44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 12:53 TIDE Ebb

STATION NO. XIG7689 LAT. 39°16'58" LONG. 76°18'51"

WATER DEPTH 12' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi		2	2	2
3	Heteromastus filiformis	21	19	9	3
4	Melinna sp.				4
5	Nereis succinea		1		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	1	5	8	10
11	Streblospio benedicti	5		5	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	2			14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	0	9	0	19
20	Macoma mitchelli	0	2	0	20
21	Rangia cuneata	145	138	168	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	11	22	12	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus		1	3	36
37	Corophium lacustre	3	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi		4		42
43	Chironomid sp.				43
44	Rithropanopeus harrisi			1	44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 14:27 TIDE Ebb

STATION NO. XIF5145 LAT. 39°14'39" LONG. 76°23'55"

WATER DEPTH 15' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	17	19	21	2
3	Heteromastus filiformis	31	30	30	3
4	Melinna sp.				4
5	Nereis succinea	5	14	12	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	3	2	2	10
11	Streblospio benedicti	255	252	316	11
12	Hypaniola grayi	3			12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.	144	316	315	14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica		3		19
20	Macoma mitchelli	3	1	3	20
21	Rangia cuneata	4	2	4	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	9	21	13	30
31	Cassidinidea lunifrons				31
33	Edotea triloba	2	4	6	33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus	29	42	34	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus	1		2	39
40	Melita nitida		3	4	40
41	Chirodotea almyra	1			41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 12:32 TIDE Ebb

STATION NO. XIF6388 LAT. 39°16'15" LONG. 76°20'50"

WATER DEPTH 10' WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	4	4		2
3	Heteromastus filiformis	3	7	5	3
4	Melinna sp.				4
5	Nereis succinea	1	1	1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	16	22	10	10
11	Streblospio benedicti	1		2	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	2	5	1	19
20	Macoma mitchelli	2	0	1	20
21	Rangia cuneata	86	82	76	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	12	17	15	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus			1	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida		1		40
41	Chirodotea almyra				41
42	Monoculodes edwardsi		1		42
43	Chironomid sp.				43
44	Rithropanopeus harrisi				44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-24-87 SAMPLE METHOD ponar grab TIME 12:06 TIDE Ebb

H m 9

STATION NO. XIF5297 LAT. 39°15'33" LONG. 76°19'53"

WATER DEPTH 10' WATER TEMP. 29°C WATER SAL. 6.0-°/oo

SPECIES NO.	SPECIES	GRAB 1	GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi	7	6	1	2
3	Heteromastus filiformis	15	15	9	3
4	Melinna sp.				4
5	Nereis succinea	1	1	1	5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni				9
10	Scolecolepides viridis	10	11	13	10
11	Streblospio benedicti	1		2	11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica	6		4	19
20	Macoma mitchelli	2			20
21	Rangia cuneata	111	206	35	21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus				27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita	11	17	16	30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus		2	1	36
37	Corophium lacustre				37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi		1		42
43	Chironomid sp.				43
44	Rithropanopeus harrisi		4		44
45	Gammarus mucronatus				45
46	Cordylophora caspia				46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida				50

DATE 8-25-1987 SAMPLE METHOD scraping TIME 10:08 TIDE Ebb

STATION NO. XIF4811 LAT. 39°14'49" LONG. 76°21'07"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	6' GRAB 1	3' GRAB 2	GRAB 3
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea	2	2	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda			8
9	Polydora ligni			9
10	Scolecolepides viridis			10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.			14
15	Capitella capitata			15
16	Ischadium recurvus			16
17	Congeria leucophaeta			17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus	4	4	27
28	Balanus subalbidus	1	4	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	1	1	37
38	Gammarus daiberi			38
39	Gammarus tigrinus			39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.			43
44	Rithropanopeus harrisi	3	3	44
45	Gammarus mucronatus			45
46	Cordylophora caspia	3	2	46
47	Garveia franciscana			47
48	Stylochus ellipticus	3		48
49	Membranipora tenuis			49
50	Victorella pavida	2	2	50

DATE 8-25-1987 SAMPLE METHOD scraping TIME 09:47 TIDE Ebb

STATION NO. XIF4813 LAT. 39°14'46" LONG. 76°21'16"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	GRAB 2	GRAB 3
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea	3	3	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda			8
9	Polydora ligni	3		9
10	Scolecolepides viridis			10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.			14
15	Capitella capitata			15
16	Ischadium recurvus		4	16
17	Congeria leucophaeta		3	17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus	2	4	27
28	Balanus subalbidus	4	2	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	1	3	37
38	Gammarus daiberi			38
39	Gammarus tigrinus			39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.			43
44	Rithropanopeus harrisi	3	3	44
45	Gammarus mucronatus			45
46	Cordylophora caspia	2	1	46
47	Garveia franciscana			47
48	Stylochus ellipticus	4		48
49	Membranipora tenuis			49
50	Victorella pavida	3		50

DATE 8-25-1987 SAMPLE METHOD scraping TIME 09:11 TIDE Ebb

STATION NO. XIF4514 LAT. 39°14'32" LONG. 76°21'23"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3	
1	Diadumene leucolena				1
2	Micrura leidyi				2
3	Heteromastus filiformis				3
4	Melinna sp.				4
5	Nereis succinea	3	2		5
6	Scoloplos fragilis				6
7	Pectinaria gouldi				7
8	Eteone heteropoda				8
9	Polydora ligni	3	2		9
10	Scolecolepides viridis				10
11	Streblospio benedicti				11
12	Hypaniola grayi				12
13	Limnodrilus hoffmeisteri				13
14	Tubificoides sp.				14
15	Capitella capitata				15
16	Ischadium recurvus				16
17	Congeria leucophaeta				17
18	Littoridinops sp.				18
19	Macoma balthica				19
20	Macoma mitchelli				20
21	Rangia cuneata				21
22	Mya arenaria				22
23	Hydrobia sp.				23
24	Stiliger niger				24
25	Doridella obscura				25
27	Balanus improvisus	3	3		27
28	Balanus subalbidus				28
29	Leucon americanus				29
30	Cyathura polita				30
31	Cassidinidea lunifrons				31
33	Edotea triloba				33
34	Neohaustorius biarticulatus				34
35	Gammarus palustris				35
36	Leptocheirus plumulosus				36
37	Corophium lacustre	1	1		37
38	Gammarus daiberi				38
39	Gammarus tigrinus				39
40	Melita nitida				40
41	Chirodotea almyra				41
42	Monoculodes edwardsi				42
43	Chironomid sp.				43
44	Rithropanopeus harrisi	3	4		44
45	Gammarus mucronatus				45
46	Cordylophora caspia	2	3		46
47	Garveia franciscana				47
48	Stylochus ellipticus				48
49	Membranipora tenuis				49
50	Victorella pavida	2	2		50

DATE 8-25-1987 SAMPLE METHOD scraping TIME 08:49 TIDE Ebb

STATION NO. XIF4518 LAT. 39°14'28" LONG. 76°21'50"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea	3	3	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda			8
9	Polydora ligni			9
10	Scolecolepides viridis			10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.			14
15	Capitella capitata			15
16	Ischadium recurvus			16
17	Congeria leucophaeta			17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus	2	3	27
28	Balanus subalbidus	3	2	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	2	1	37
38	Gammarus daiberi			38
39	Gammarus tigrinus			39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.			43
44	Rithropanopeus harrisi	2	2	44
45	Gammarus mucronatus			45
46	Cordylophora caspia	2	2	46
47	Garveia franciscana			47
48	Stylochus ellipticus			48
49	Membranipora tenuis			49
50	Victorella pavida	1	1	50

DATE 8-25-1987 SAMPLE METHOD scraping TIME 08:31 TIDE Ebb

STATION NO. XIF3638 LAT. 39°13'37" LONG. 76°23'47"

WATER DEPTH _____ WATER TEMP. _____ WATER SAL. _____

SPECIES NO.	SPECIES	3' GRAB 1	8' GRAB 2	GRAB 3
1	Diadumene leucolena			1
2	Micrura leidyi			2
3	Heteromastus filiformis			3
4	Melinna sp.			4
5	Nereis succinea	4	2	5
6	Scoloplos fragilis			6
7	Pectinaria gouldi			7
8	Eteone heteropoda	4		8
9	Polydora ligni	2	2	9
10	Scolecolepides viridis			10
11	Streblospio benedicti			11
12	Hypaniola grayi			12
13	Limnodrilus hoffmeisteri			13
14	Tubificoides sp.	4	4	14
15	Capitella capitata			15
16	Ischadium recurvus			16
17	Congeria leucophaeta			17
18	Littoridinops sp.			18
19	Macoma balthica			19
20	Macoma mitchelli			20
21	Rangia cuneata			21
22	Mya arenaria			22
23	Hydrobia sp.			23
24	Stiliger niger			24
25	Doridella obscura			25
27	Balanus improvisus	4		27
28	Balanus subalbidus	4	3	28
29	Leucon americanus			29
30	Cyathura polita			30
31	Cassidinidea lunifrons			31
33	Edotea triloba			33
34	Neohaustorius biarticulatus			34
35	Gammarus palustris			35
36	Leptocheirus plumulosus			36
37	Corophium lacustre	1	1	37
38	Gammarus daiberi			38
39	Gammarus tigrinus			39
40	Melita nitida			40
41	Chirodotea almyra			41
42	Monoculodes edwardsi			42
43	Chironomid sp.			43
44	Rithropanopeus harrisi	4	3	44
45	Gammarus mucronatus			45
46	Cordylophora caspia	2	1	46
47	Garveia franciscana			47
48	Stylochus ellipticus	3	3	48
49	Membranipora tenuis			49
50	Victorella pavida	1	1	50

Project IV - Analytic Services

Department of Health Laboratories

Metals analyses on biota
Pesticide and PCB analyses on biota

METALS ANALYSIS OF HART AND MILLER ISLAND SAMPLES

Samples from Hart and Miller Island were submitted to the Food Chemistry Laboratory on September 8, 1987 for the determination of six metals (copper, chromium, zinc, nickel, manganese, and iron).

The samples consisted of three types: clams, crabs, and fish. These were divided into two groups designated as Group I and Group II. Group I (or Priority Samples) was composed of 29 samples: 6 crabs, 8 fish, and 15 clams. One sample, numbered 870601-52, was not found. Group II totaled 13 samples: 7 fish and 6 clams. Three samples, numbers 870601-15, 28, and 30, were not found.

Each sample was filleted (fish) or shucked (clams and crabs) and then homogenized using a Waring blender. A sample was then weighed and run for moisture content. Another portion of the same sample was weighed and digested for the six metals specified in the request for analysis. These portions were digested with concentrated nitric acid and brought to a final volume of 50 ml. with distilled, deionized water (Barnstead Nanopure II system).

The samples were then analyzed using inductively coupled plasma optical emission spectrometry (I.C.P.). The Perkin-Elmer Plasma II simultaneous I.C.P. with automatic background correction was used. The concentrations of all calibration standards were verified against EPA quality control check samples and EPA/ICP quality control samples.

Sample	Type	Zn	Ni	Mn	Fe	Cr	Cu	% Mois
9	Fish	5.45	0.02	0.38	2.11	0.11	0.27	77.8
10	Fish	4.98	0.01	0.39	2.52	0.11	0.37	78.2
11	Fish	3.45	0.01	0.32	2.18	0.09	0.37	78.3
12	Fish	6.71	0.01	0.86	10.93	0.16	0.71	79.0
13	Clam RC	8.65	3.45	4.93	32.07	0.20	1.10	88.9
17	Clam RC	9.79	3.39	10.42	45.29	0.19	1.11	89.4
19	Clam RC	8.01	3.09	6.46	38.24	0.15	1.20	90.1
21	Fish	6.92	0.06	0.59	16.18	0.10	0.50	84.2
23	Fish	5.78	0.03	0.39	3.63	0.09	0.44	79.5
25	Clam B1	9.94	3.85	8.79	67.73	0.26	1.30	88.8
27	Fish	3.95	0.00	0.24	2.15	0.09	0.42	77.3
29	Clam	12.77	5.51	11.93	61.77	0.31	1.37	89.5
31	Clam	11.80	4.75	7.89	62.28	0.25	1.38	88.8

STATION	Sample	Date	Zn dw	Ni dw	Mn dw	Fe dw	Cr dw	Cu dw
F1	9	13-Apr-87	24.55	0.09	1.71	9.50	0.50	1.22
F2	10	13-Apr-87	22.84	0.05	1.79	11.56	0.50	1.70
F3	11	13-Apr-87	15.90	0.05	1.47	10.05	0.41	1.71
F4	12	13-Apr-87	31.95	0.05	4.10	52.05	0.76	3.38
S2	13	13-Apr-87	77.93	31.08	44.41	288.92	1.80	9.91
HM7	17	13-Apr-87	92.36	31.98	98.30	427.26	1.79	10.47
HM22	19	13-Apr-87	80.91	31.21	65.25	386.26	1.52	12.12
S2	21	17-Dec-86	43.80	0.38	3.73	102.41	0.63	3.16
S4	23	17-Dec-86	28.20	0.15	1.90	17.71	0.44	2.15
HM7	25	17-Dec-86	88.75	34.37	78.48	604.73	2.32	11.61
HM9	27	17-Dec-86	17.40	0.00	1.06	9.47	0.40	1.85
F1	29	17-Dec-86	121.62	52.48	113.62	588.29	2.95	13.05
F4	31	17-Dec-86	105.36	42.41	70.45	556.07	2.23	12.32

FOIL/PLAS	SAMP #	STAT ID	DATE	MEDIA
	9	F-1	41387	FISH
	10	F-2	41387	FISH
	11	F-3	41387	FISH
	12	F-4	41387	FISH
PLASTIC	13	S-2	41387	RANGIA
FOIL	14	S-2	41387	RANGIA
PLASTIC	15	S-5	41387	RANGIA
FOIL	16	S-5	41387	RANGIA
PLASTIC	17	HM-7	41387	RANGIA
FOIL	18	HM-7	41387	RANGIA
PLASTIC	19	HM-22	41387	RANGIA
FOIL	20	HM-22	41387	RANGIA
PLASTIC	21	S-2	121786	CLAMS
FOIL	22	S-2	121786	CLAMS
PLASTIC	23	S-4	121786	CLAMS
FOIL	24	S-4	121786	CLAMS
PLASTIC	25	HM-7	121786	CLAMS
FOIL	26	HM-7	121786	CLAMS
PLASTIC	27	HM-9	121786	CLAMS
	28	F-1	121786	FISH
	29	F-2	121786	FISH
	30	F-3	121786	FISH
	31	F-4	121786	FISH
FOIL	32	HM-9	121786	CLAMS
PLASTIC	33	HM-22	121786	CLAMS
FOIL	34	HM-22	121786	CLAMS
	35	F-1	80486	CRABS
	36	F-2	80486	CRABS
	37	F-3	80486	CRABS
	38	F-4	80486	CRABS
	39	F-1	80486	FISH
	40	F-2	80486	FISH
	41	F-3	80486	FISH
	42	F-4	80486	FISH
PLASTIC	43	S-2 (F-2)	80486	CLAMS
FOIL	44	S-2	80486	CLAMS
PLASTIC	45	S-4	80486	CLAMS
FOIL	46	S-4	80486	CLAMS
PLASTIC	47	HM-7	80486	CLAMS
FOIL	48	HM-7	80486	CLAMS
PLASTIC	49	HM-22	80486	CLAMS
FOIL	50	HM-22	80486	CLAMS

Pesticide and PCB Analyses

Transaction Code

Study Code: 3 4

Survey: DNR

Collector: 870601-14

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F111

Laboratory Number

3 Sequence Number 9
Punch 3 9 all Cards

STATION X1F5406

Collection DATE 4/13/1987

Replicate Number	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	Maryland 7-Digit Code	Shellfish Station Code
5					

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min.
						.	

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff
			.	.	.		.	

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue (Although not specified in data Table - probably Rangia) see page 122

Sub-Sample	Number in Sub-Sample	Sex	Weight (gms)	length (cm)	Tissue Type	% Lipid	% Moisture
			.	.		.	.

Composite Sample Sex

No. Females	No. Males

Composite Sample Length

minimum (cm)	maximum (cm)
.	.

Check tests Required	Results
Copper/PPM	.
Zinc/PPM	.
Lead/PPM	.
Mercury/PPM	.
Cadmium/PPM	.
Chromium/PPM	.
Arsenic/PPM	.
Iron/PPM	.
Cyanide/PPM	.
Magnesium/PPM	.
Silver/PPM	.
Tin/PPM	.
Nickel/PPM	.
PCB—Total/PPM	0.0640
PCB—1254/PPM	mix. ≠ 1260
PCB—1260/PPM	0.0640
PCB—1242/PPM	-0.08

Check tests Required	Results
BHC=(Lindane)/PPM	0.0012
BHC=/PPM	0.0085
DDE/PPM	0.0084
DDT/PPM	-0.0058
DDD/PPM	-0.0048
Dieldrin/PPM	-0.0013
Endrin/PPM	-0.0014
Aldrin/PPM	-0.0008
Dacthal/PPM	-0.0016
Mirex/PPM	-0.0063
Toxaphene/PPM	-0.1008
Methoxychlor/PPM	-0.0211
~~Kepone/PPM~~	.
Endosulfan/PPM	-0.0015
Hexachlorobenzene	-0.0005
Heptachlor Epoxide	-0.0008
Heptachlor/PPM	-0.0006
Chlordane/PPM	0.0522

Date Reported Year Month Day

Send Results To

Final Lab Signoff

Transaction Code

Study Code

Survey: DNR

Collector: 870601-16

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F 12 Laboratory Number

3 Sequence Number 9
Punch 3 9 all Cards

STATION XIF4420
Collection Date 4/13/1987

Replicate Number | Identifier | Latitude (DEG. SEC.) | Longitude (DEG. MIN. SEC.) | 7 Digit Code | Shellfish Station Code

Basin Code | Date (YR MO DA) | Submitter Code | Data Category Code | Sample Type | Gear | Sample Size | Sample Duration Hrs. Min.

Time of Water Sample (Hrs. Min.) | Tide | Depth of Water Sample (Ft.) | Dissolved Oxygen (Mg/l) | Salinity (PPT) | Temperature (°C) | Conductivity (MICROMHOS/CM) | pH | Field Scientist Signoff

PPSP Code | Common or Scientific Name | Publication | Comments

Clam Tissue (Rangia cuneata)

Sub-Sample | Number in Sub Sample | Sex | Weight (gms) | Length (cm) | Tissue Type | % Lipid | % Moisture

Composite Sample Sex: No. Females | No. Males

Composite Sample Length: minimum (cm) | maximum (cm)

Check tests Required		Results
	Copper/PPM	
	Zinc/PPM	
	Lead/PPM	
	Mercury/PPM	
	Cadmium/PPM	
	Chromium/PPM	
	Arsenic/PPM	
	Iron/PPM	
	Cyanide/PPM	
	Magnesium/PPM	
	Silver/PPM	
	Tin/PPM	
	Nickel/PPM	
	PCB–Total/PPM	0.086
	PCB–1254/PPM	Trace = 1260
	PCB–1260/PPM	0.086
	PCB–1242/PPM	–0.08

Check tests Required		Results
	BHC=(Lindane)/PPM	0.0005
	BHC=/PPM	0.003
	DDE/PPM	0.01
	DDT/PPM	–0.0056
	DDD/PPM	–0.005
	Dieldrin/PPM	–0.001
	Endrin/PPM	–0.001
	Aldrin/PPM	–0.0008
	Dacthal/PPM	–0.002
	Mirex/PPM	–0.006
	Toxaphene/PPM	–0.1
	Methoxychlor/PPM	–0.02
	~~Kepone/PPM~~	
	Endosulfan/PPM	–0.002
	Hexachlorobenzene	–0.0005
	Heptachlor Epoxide	–0.0008
	Heptachlor/PPM	–0.0006
	Chlordane/PPM	0.057

Date Reported Year | Month | Day

Send Results To

Final Lab Signoff

Laboratory Number

Transaction Code: 1

Study Code: 1 (3–4)

Survey: DNR

Collector: 870601-18

Maryland Office of Environmental Programs

Tissue Analysis Sheet

Laboratory Number: 88F113

3 Sequence Number 9 · Punch 3-9 all Cards

STATION XIF6588

Collection Date 4/13/1987

Replicate Number (5)	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	7 Digit Code	Shellfish Station Code

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min.

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue (R. cuneata)

Sub-Sample	Number in Sub-Sample	Sex	Weight (gms)	Length (cm)	Tissue Type	% Lipid	% Moisture

Composite Sample Sex: No. Females ____ No. Males ____

Composite Sample Length: minimum (cm) ____ maximum (cm) ____

Check Tests Required		Results
	Copper/PPM	
	Zinc/PPM	
	Lead/PPM	
	Mercury/PPM	
	Cadmium/PPM	
	Chromium/PPM	
	Arsenic/PPM	
	Iron/PPM	
	Cyanide/PPM	
	Magnesium/PPM	
	Silver/PPM	
	Tin/PPM	
	Nickel/PPM	
	PCB—Total/PPM	0.021
	PCB—1254/PPM	TOTAL = 1260
	PCB—1260/PPM	0.021
	PCB—1242/PPM	-0.08

Check Tests Required		Results
	BHC=(Lindane)/PPM	0.00007
	BHC=/PPM	0.0002
	DDE/PPM	0.0001
	DDT/PPM	-0.00056
	DDD/PPM	-0.0005
	Dieldrin/PPM	-0.0001
	Endrin/PPM	-0.0001
	Aldrin/PPM	-0.00008
	Dacthal/PPM	-0.002
	Mirex/PPM	-0.00006
	Toxaphene/PPM	-0.1
	Methoxychlor/PPM	-0.02
	~~Kepone/PPM~~	
	Endosulfan/PPM	-0.002
	Hexachlorobenzene	-0.00005
	Heptachlor Epoxide	-0.00008
	Heptachlor/PPM	-0.00006
	Chlordane/PPM	0.045

Date Reported Year | Month | Day

Send Results To

Final Lab Signoff

Transaction Code:

Study Code:

Survey: DNR

Collector: 870601-20

Maryland Office of Environmental Programs

Tissue Analysis Sheet

Laboratory Number: 88F114

3 Sequence Number 9
Punch 3-9 all Cards

STATION XIG7689

Collection Date 4/13/1987

Replicate Number	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	Maryland 7-Digit Code	Shellfish Station Code

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min.

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue (R. cuneata)

Sub-Sample	Number in Sub-Sample	Sex	Weight (gms)	Length (cm)	Tissue Type	% Lipid	% Moisture

Composite Sample Sex: No. Females ____ No. Males ____

Composite Sample Length: minimum (cm) ____ maximum (cm) ____

Check tests Required	Results
Copper/PPM	
Zinc/PPM	
Lead/PPM	
Mercury/PPM	
Cadmium/PPM	
Chromium/PPM	
Arsenic/PPM	
Iron/PPM	
Cyanide/PPM	
Magnesium/PPM	
Silver/PPM	
Tin/PPM	
Nickel/PPM	
PCB—Total/PPM	0.0545
PCB—1254/PPM	Mix E 1260
PCB—1260/PPM	0.0545
PCB—1242/PPM	—0.08

Check tests Required	Results
BHC-(Lindane)/PPM	0.0013
BHC-/PPM	0.0026
DDE/PPM	0.0068
DDT/PPM	—0.0058
DDD/PPM	—0.0048
Dieldrin/PPM	—0.0013
Endrin/PPM	—0.0014
Aldrin/PPM	—0.0008
Dacthal/PPM	—0.0016
Mirex/PPM	—0.0063
Toxaphene/PPM.	—0.1008
Methoxychlor/PPM	—0.0211
~~Kepone/PPM~~	
Endosulfan/PPM	—0.0015
Hexachlorobenzene	—0.0005
Heptachlor Epoxide	—0.0008
Heptachlor/PPM	—0.0006
Chlordane/PPM	0.0307

Date Reported Year Month Day

Send Results To

Final Lab Signoff

Laboratory Number

Transaction Code

Study Code: 3 4

Survey: DNR

Collector: 870601-22

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F115
Laboratory Number

3 Sequence Number 9
Punch 3-9 all Cards

STATION XIF5406
Collection Date 12/17/1986

Replicate Number	Identifier	Latitude DEG.	Latitude SEC.	Longitude DEG.	Longitude MIN.	Longitude SEC.	Ma... 7-Digit Code	Shellfish Station Code
5								

Basin Code	Date YR	Date MO	Date DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min.

Time of Water Sample Hrs.	Time of Water Sample Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff

PPSP Code	Common or Scientific Name	Publication	Comments
	Clam Tissue (R. cuneata)		

Sub-Sample	Number in Sub-Sample	Sex	Weight (gms)	Length (cm)	Tissue Type	% Lipid	% Moisture

Composite Sample Sex

No. Females	No. Males

Composite Sample Length

minimum (cm)	maximum (cm)

Check tests Required		Results
	Copper/PPM	
	Zinc/PPM	
	Lead/PPM	
	Mercury/PPM	
	Cadmium/PPM	
	Chromium/PPM	
	Arsenic/PPM	
	Iron/PPM	
	Cyanide/PPM	
	Magnesium/PPM	
	Silver/PPM	
	Tin/PPM	
	Nickel/PPM	
	PCB—Total/PPM	0.4207
	PCB—1254/PPM	Total = 1260
	PCB—1260/PPM	0.4207
	PCB—1242/PPM	-0.08

Check tests Required		Results
	BHCα(Lindane)/PPM	0.0006
	BHCα/PPM	0.0048
	DDE/PPM	0.0758
	DDT/PPM	-0.0058
	DDD/PPM	-0.0048
	Dieldrin/PPM	-0.0013
	Endrin/PPM	-0.0014
	Aldrin/PPM	-0.0008
	Dacthal/PPM	-0.0016
	Mirex/PPM	-0.0063
	Toxaphene/PPM.	-0.1008
	Methoxychlor/PPM	-0.0211
	~~Kepone/PPM~~	
	Endosulfan/PPM	-0.0015
	Hexachlorobenzene	-0.0005
	Heptachlor Epoxide	-0.0008
	Heptachlor/PPM	-0.0006
	Chlordane/PPM	0.1552

Date Reported Year Month Day

Send Results To

Final Lab Signoff

Transaction Code: 1

Study Code: 1 (3 4)

Survey: DNR

Collector: 220601-24

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F116
Laboratory Number

STATION XIF4715
3 Sequence Number 9
Punch 3-9 all Cards

Collection Date 12/17/1986 -

Replicate Number (5) | Identifier | Latitude (DEG. SEC.) | Longitude (DEG. MIN. SEC.) | Maryland 7-Digit Code | Shellfish Station Code

Basin Code | Date (YR MO DA) | Submitter Code | Data Category Code | Sample Type | Gear | Sample Size | Sample Duration (Hrs. Min.)

Time of Water Sample (Hrs. Min.) | Tide | Depth of Water Sample (Ft.) | Dissolved Oxygen (Mg/l) | Salinity (PPT) | Temperature (°C) | Conductivity (MICROMHOS/CM) | pH | Field Scientist Signoff

PPSP Code | Common or Scientific Name | Publication | Comments

Clam Tissue (~~Rangia Cuneata~~) Bivalvia

See Page 122

Sub-Sample | Number in Sub-Sample | Sex | Weight (gms) | length (cm) | Tissue Type | % Lipid | % Moisture

Composite Sample Sex: No. Females | No. Males

Composite Sample Length: minimum (cm) | maximum (cm)

Check tests Required		Results
	Copper/PPM	
	Zinc/PPM	
	Lead/PPM	
	Mercury/PPM	
	Cadmium/PPM	
	Chromium/PPM	
	Arsenic/PPM	
	Iron/PPM	
	Cyanide/PPM	
	Magnesium/PPM	
	Silver/PPM	
	Tin/PPM	
	Nickel/PPM	
	PCB-Total/PPM	0.5957
	PCB-1254/PPM	Trace 1260
	PCB-1260/PPM	0.5957
	PCB-1242/PPM	-0.08

Check tests Required		Results
	BHC=(Lindane)/PPM	0.00051
	BHC=/PPM	0.00064
	DDE/PPM	0.00476
	DDT/PPM	-0.00058
	DDD/PPM	-0.00048
	Dieldrin/PPM	-0.00013
	Endrin/PPM	-0.00014
	Aldrin/PPM	-0.00008
	Dacthal/PPM	-0.00016
	Mirex/PPM	-0.00063
	Toxaphene/PPM.	-0.10081
	Methoxychlor/PPM	-0.02111
	~~Kepone/PPM~~	
	Endosulfan/PPM	-0.00015
	Hexachlorobenzene	-0.00005
	Heptachlor Epoxide	-0.00008
	Heptachlor/PPM	-0.00006
	Chlordane/PPM	0.14201

Date Reported Year Month Day | Send Results To | Final Lab Signoff

Transaction Code

Study Code: 3 4

Survey: DNR

Collector: 970601-26

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F117

Laboratory Number

3 Sequence Number 9 Punch 3-9 all Cards

STATION XIF6388

Collection Date 12/17/1986

Replicate Number 5 | Identifier | Latitude DEG. SEC. | Longitude DEG. MIN. SEC. | Maryland 7-Digit Code | Shellfish Station Code

Basin Code | Date YR MO DA | Submitter Code | Data Category Code | Sample Type | Gear | Sample Size | Sample Duration Hrs. Min.

Time of Water Sample Hrs. Min. | Tide | Depth of Water Sample Ft. | Dissolved Oxygen Mg/l | Salinity PPT | Temperature °C | Conductivity MICROMHOS/CM | pH | Field Scientist Signoff

PPSP Code | Common or Scientific Name | Publication | Comments

~~Clam Tissue Recovery~~ See Pg. 122

Sub-Sample | Number in Sub-Sample | Sex | Weight (gms) | length (cm) | Tissue Type | % Lipid | % Moisture

Composite Sample Sex: No. Females | No. Males

Composite Sample Length: minimum (cm) | maximum (cm)

Check tests Required		Results
	Copper/PPM	
	Zinc/PPM	
	Lead/PPM	
	Mercury/PPM	
	Cadmium/PPM	
	Chromium/PPM	
	Arsenic/PPM	
	Iron/PPM	
	Cyanide/PPM	
	Magnesium/PPM	
	Silver/PPM	
	Tin/PPM	
	Nickel/PPM	
	PCB—Total/PPM	0.0486
	PCB—1254/PPM	MA E 12-60
	PCB—1260/PPM	0.0486
	PCB—1242/PPM	-0.08

Check tests Required		Results
	BHCα(Lindane)/PPM	0.0008
	BHCβ/PPM	0.0036
	DDE/PPM	0.0053
	DDT/PPM	-0.0058
	DDD/PPM	-0.0048
	Dieldrin/PPM	-0.0013
	Endrin/PPM	-0.0014
	Aldrin/PPM	-0.0008
	Dacthal/PPM	-0.0016
	Mirex/PPM	-0.0063
	Toxaphene/PPM	-0.1008
	Methoxychlor/PPM	-0.0211
	~~Kepone/PPM~~	
	Endosulfan/PPM	-0.0015
	Hexachlorobenzene	-0.0005
	Heptachlor Epoxide	-0.0008
	Heptachlor/PPM	-0.0006
	Chlordane/PPM	0.0306

Date Reported Year | Month | Day

Send Results To

Final Lab Signoff

Transaction Code: 1

Study Code: 1 (3–4)

Survey: DNR

Collector: 870601-52

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F119

Laboratory Number

3 Sequence Number 9 , Punch 3 9 all Cards

STATION XIF5297

Collection Date 12/17/1980

Replicate Number (5) | Identifier | Latitude (DEG. SEC.) | Longitude (DEG. MIN. SEC.) | Ma... 7-Digit Code | Shellfish Station Code

Basin Code | Date (YR MO DA) | Submitter Code | Data Category Code | Sample Type | Gear | Sample Size | Sample Duration Hrs. Min.

Time of Water Sample (Hrs. Min.) | Tide | Depth of Water Sample (Ft.) | Dissolved Oxygen (Mg/l) | Salinity (PPT) | Temperature (°C) | Conductivity (MICROMHOS/CM) | pH | Field Scientist Signoff

PPSP Code | Common or Scientific Name | Publication | Comments

Clam Tissue (~~Rangia Cuneata~~ Bivalvia) See Pg 122

Sub-Sample | Number in Sub-Sample | Sex | Weight (gms) | Length (cm) | Tissue Type | % Lipid | % Moisture

Composite Sample Sex: No. Females | No. Males

Composite Sample Length: minimum (cm) | maximum (cm)

Check tests Required		Results
	Copper/PPM	
	Zinc/PPM	
	Lead/PPM	
	Mercury/PPM	
	Cadmium/PPM	
	Chromium/PPM	
	Arsenic/PPM	
	Iron/PPM	
	Cyanide/PPM	
	Magnesium/PPM	
	Silver/PPM	
	Tin/PPM	
	Nickel/PPM	
	PCB—Total/PPM	0.05524
	PCB—1254/PPM	Mult E 1260
	PCB—1260/PPM	0.05524
	PCB—1242/PPM	-0.008

Check tests Required		Results
	BHCα(Lindane)/PPM	-0.00004
	BHCα/PPM	0.00038
	DDE/PPM	0.00078
	DDT/PPM	-0.00058
	DDD/PPM	-0.00048
	Dieldrin/PPM	-0.00013
	Endrin/PPM	-0.00014
	Aldrin/PPM	-0.00008
	Dacthal/PPM	-0.00016
	Mirex/PPM	-0.00063
	Toxaphene/PPM	-0.10008
	Methoxychlor/PPM	-0.02111
	~~Kepone/PPM~~	
	Endosulfan/PPM	-0.00015
	Hexachlorobenzene	-0.00005
	Heptachlor Epoxide	-0.00008
	Heptachlor/PPM	-0.00006
	Chlordane/PPM	-0.001

Date Reported | Send Results To | Final Lab Signoff

Transaction Code: 1

Study Code: 3 4

Survey: DNR

Collector: 870601-34

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F119

Laboratory Number

3 Sequence Number 9
Punch 3-9 all Cards

STATION X16-7689

Cruise date
Collection date > 12/17/1986

Replicate Number	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	Mag. Unit 7-Digit Code	Shellfish Station Code
5					

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min
						.	

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff
			.	.	.		.	

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue Rangia cuneata

Sub-Sample	Number in Sub-Sample	Sex	Weight (gms)	length (cm)	Tissue Type	% Lipid	% Moisture
			.	.		.	.

Composite Sample Sex

No. Females	No. Males

Composite Sample Length

minimum (cm)	maximum (cm)
.	.

Check tests Required		Results
	Copper/PPM	.
	Zinc/PPM	.
	Lead/PPM	.
	Mercury/PPM	.
	Cadmium/PPM	.
	Chromium/PPM	.
	Arsenic/PPM	.
	Iron/PPM	.
	Cyanide/PPM	.
	Magnesium/PPM	.
	Silver/PPM	.
	Tin/PPM	.
	Nickel/PPM	.
	PCB—Total/PPM	0.0655
	PCB—1254/PPM	Max E 1260
	PCB—1260/PPM	0.0655
	PCB—1242/PPM	-0.08

Check tests Required		Results
	BHCα(Lindane)/PPM	-0.0004
	BHCα/PPM	-0.0003
	DDE/PPM	0.0158
	DDT/PPM	-0.0058
	DDD/PPM	-0.0048
	Dieldrin/PPM	-0.0013
	Endrin/PPM	-0.0014
	Aldrin/PPM	-0.0008
	Dacthal/PPM	-0.0016
	Mirex/PPM	-0.0063
	Toxaphene/PPM.	-0.1008
	Methoxychlor/PPM	-0.0211
	~~Kepone/PPM~~	.
	Endosulfan/PPM	-0.0015
	Hexachlorobenzene	-0.0005
	Heptachlor Epoxide	-0.0008
	Heptachlor/PPM	-0.0006
	Chlordane/PPM	-0.01

Date Reported Year | Month | Day

Send Results To

Final Lab Signoff

Transaction Code

Study Code

Survey: DNR

Collector: 870601-44

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F75

Laboratory Number

STATION NE 5406

3 Sequence Number 9
Punch 3 9 all Cards

Cruise + collection date 8/4/1980

Replicate Number	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	Ma... 7-Digit Code	Shellfish Station Code

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue ~~Recurvata~~ Bivalvia

Sample	Number in Sub-Sample	Sex	Weight (gms)	length (cm)	Tissue Type	% Lipid	% Moisture

Composite Sample Sex

No. Females	No. Males

Composite Sample Length

minimum (cm)	maximum (cm)

Check tests Required	Results
Copper/PPM	
Zinc/PPM	
Lead/PPM	
Mercury/PPM	
Cadmium/PPM	
Chromium/PPM	
Arsenic/PPM	
Iron/PPM	
Cyanide/PPM	
Magnesium/PPM	
Silver/PPM	
Tin/PPM	
Nickel/PPM	
PCB—Total/PPM	0.097
PCB—1254/PPM	Mix .9 1260
PCB—1260/PPM	0.097
PCB—1242/PPM	-0.006

Check tests Required	Results
BHC∝(Lindane)/PPM	-0.0008
BHC∝/PPM	-0.0006
DDE/PPM	0.0055
DDT/PPM	-0.011
DDD/PPM	-0.0094
Dieldrin/PPM	-0.0026
Endrin/PPM	-0.0026
Aldrin/PPM	-0.001
Dacthal/PPM	-0.0031
Mirex/PPM	-0.012
Toxaphene/PPM	-0.078
Methoxychlor/PPM	-0.041
~~Kepone/PPM~~	
Endosulfan/PPM	-0.0029
Hexachlorobenzene	-0.001
Heptachlor Epoxide	-0.0016
Heptachlor/PPM	-0.001
Chlordane/PPM	-0.008

Transaction Code

Study Code: 3 4

Survey: DNR

Collector: 870601-46

Maryland Office of Environmental Programs

Tissue Analysis Sheet

83F76

Laboratory Number

3 Sequence Number 9 Punch 3 9 all Cards

STATION XIF 4715

cruise + collection date 8/4/1986

Replicate Number	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	Maryland 7-Digit Code	Shellfish Station Code
5					

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min.
						.	

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff
			.	.	.		.	

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue Ra Cuneata

Sample	Number in Sub-Sample	Sex	Weight (gms)	length (cm)	Tissue Type	% Lipid	% Moisture
			.	.		.	.

Composite Sample Sex: No. Females / No. Males

Composite Sample Length: minimum (cm) / maximum (cm)

Check tests Required	Results
Copper/PPM	.
Zinc/PPM	.
Lead/PPM	.
Mercury/PPM	.
Cadmium/PPM	.
Chromium/PPM	.
Arsenic/PPM	.
Iron/PPM	.
Cyanide/PPM	.
Magnesium/PPM	.
Silver/PPM	.
Tin/PPM	.
Nickel/PPM	.
PCB–Total/PPM	0.10
PCB–1254/PPM	mix. ≤ 12.60
PCB–1250/PPM	0.10
PCB–1242/PPM	-0.008

Check tests Required	Results
BHC∝(Lindane)/PPM	-0.001
BHC∝/PPM	0.0006
DDE/PPM	0.006
DDT/PPM	-0.014
DDD/PPM	0.004
Dieldrin/PPM	-0.0033
Endrin/PPM	-0.0034
Aldrin/PPM	-0.002
Dacthal/PPM	-0.004
Mirex/PPM	-0.015
Toxaphene/PPM.	-0.10
Methoxychlor/PPM	-0.053
~~Kepone~~/PPM	.
Endosulfan/PPM	-0.004
Hexachlorobenzene	-0.001
Heptachlor Epoxide	-0.002
Heptachlor/PPM	-0.002
Chlordane/PPM	0.023

Transaction Code

Study Code: 3 4

Survey: DNR

Collector: 870601-48

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F 77 Laboratory Number

STATION X7F 6388

3 Sequence Number 9 Punch 3 9 all Cards

Collection date 8/4/1988

Replicate Number 5 | Identifier | Latitude DEG. SEC. | Longitude DEG. MIN. SEC. | Ma... 7-Digit Code | Shellfish Station Code

Basin Code | Date YR MO DA | Submitter Code | Data Category Code | Sample Type | Gear | Sample Size | Sample Duration Hrs. Min.

Time of Water Sample Hrs. Min. | Tide | Depth of Water Sample Ft. | Dissolved Oxygen Mg/l | Salinity PPT | Temperature °C | Conductivity MICROMHOS/CM | pH | Field Scientist Signoff

PPSP Code | Common or Scientific Name | Publication | Comments

Clam Tissue Rangia cuneata

Sample | Number in Sub-Sample | Sex | Weight (gms) | Length (cm) | Tissue Type | % Lipid | % Moisture

Composite Sample Sex: No. Females | No. Males

Composite Sample Length: minimum (cm) | maximum (cm)

Check tests Required	Results
Copper/PPM	
Zinc/PPM	
Lead/PPM	
Mercury/PPM	
Cadmium/PPM	
Chromium/PPM	
Arsenic/PPM	
Iron/PPM	
Cyanide/PPM	
Magnesium/PPM	
Silver/PPM	
Tin/PPM	
Nickel/PPM	
PCB–Total/PPM	0.0981
PCB–1254/PPM	Mind E 1260
PCB–1260/PPM	0.0981
PCB–1242/PPM	–0.008

Check tests Required	Results
BHCα(Lindane)/PPM	–0.001
BHCα/PPM	0.001
DDE/PPM	0.005
DDT/PPM	–0.014
DDD/PPM	0.004
Dieldrin/PPM	–0.0033
Endrin/PPM	–0.0034
Aldrin/PPM	–0.002
Dacthal/PPM	–0.004
Mirex/PPM	–0.015
Toxaphene/PPM	–0.10
Methoxychlor/PPM	–0.053
~~Kepone/PP~~M	
Endosulfan/PPM	–0.004
Hexachlorobenzene	–0.001
Heptachlor Epoxide	–0.002
Heptachlor/PPM	–0.0015
[illegible]	[illegible]

Transaction Code

Study Code: 3 4

Survey: DNR

Collector: 870601-50

Maryland Office of Environmental Programs

Tissue Analysis Sheet

88F78

Laboratory Number

Station XIE7689

3 Sequence Number 9
Punch 3-9 all Cards

Collection Date 8/4/1986

Replicate Number	Identifier	Latitude DEG. SEC.	Longitude DEG. MIN. SEC.	Maryland 7-Digit Code	Shellfish Station Code
5					

Basin Code	Date YR MO DA	Submitter Code	Data Category Code	Sample Type	Gear	Sample Size	Sample Duration Hrs. Min.

Time of Water Sample Hrs. Min.	Tide	Depth of Water Sample Ft.	Dissolved Oxygen Mg/l	Salinity PPT	Temperature °C	Conductivity MICROMHOS/CM	pH	Field Scientist Signoff

PPSP Code	Common or Scientific Name	Publication	Comments

Clam Tissue R. cuneata

Sample	Number in Sub-Sample	Sex	Weight (gms)	length (cm)	Tissue Type	% Lipid	% Moisture

Composite Sample Sex

No. Females	No. Males

Composite Sample Length

minimum (cm)	maximum (cm)

Check tests Required	Results
Copper/PPM	
Zinc/PPM	
Lead/PPM	
Mercury/PPM	
Cadmium/PPM	
Chromium/PPM	
Arsenic/PPM	
Iron/PPM	
Cyanide/PPM	
Magnesium/PPM	
Silver/PPM	
Tin/PPM	
Nickel/PPM	
PCB—Total/PPM	0.10
PCB—1254/PPM	Mix .c 1260
PCB—1260/PPM	0.10
PCB—1242/PPM	-0.008

Check tests Required	Results
BHC∝(Lindane)/PPM	-0.001
BHC∝/PPM	-0.001
DDE/PPM	-0.005
DDT/PPM	-0.014
DDD/PPM	-0.005
Dieldrin/PPM	-0.0033
Endrin/PPM	-0.0034
Aldrin/PPM	-0.002
Dacthal/PPM	-0.004
Mirex/PPM	-0.015
Toxaphene/PPM	-0.10
Methoxychlor/PPM	-0.053
~~Kepone/PPM~~	
Endosulfan/PPM	-0.004
Hexachlorobenzene	-0.001
Heptachlor Epoxide	-0.002
Heptachlor/PPM	-0.015
Chlordane/PPM	-0.024

RESOURCE MONITORING DATA STORAGE SYSTEM DATA

Output of Resource Monitoring
Data
Sixth Monitoring Year
Project II - Sediment Data

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REFCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1	CHEMCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	TCHROMUM	.	181	UG/GM-DW	165.7
2	CHEMCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	TNICKEL	.	185	UG/GM-DW	101.4
3	CHEMCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	TIRON	.	183	%-BYWT	5.8
4	CHEMCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	TMANGAN	.	184	UG/GM-DW	11131.0
5	CHEMCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	TZINC	.	186	UG/GM-DW	452.2
6	CHEMCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	TCOPPER	.	182	UG/GM-DW	51.2
7	CHEMCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	TCHROMUM	.	181	UG/GM-DW	163.2
8	CHEMCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	TNICKEL	.	185	UG/GM-DW	81.0
9	CHEMCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	TIRON	.	183	%-BYWT	5.0
10	CHEMCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	TMANGAN	.	184	UG/GM-DW	7545.0
11	CHEMCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	TZINC	.	186	UG/GM-DW	347.0
12	CHEMCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	TCOPPER	.	182	UG/GM-DW	67.7
13	CHEMCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	TCHROMUM	.	181	UG/GM-DW	55.7
14	CHEMCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	TNICKEL	.	185	UG/GM-DW	30.9
15	CHEMCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	TIRON	.	183	%-BYWT	2.2
16	CHEMCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	TMANGAN	.	184	UG/GM-DW	2115.0
17	CHEMCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	TZINC	.	186	UG/GM-DW	142.7
18	CHEMCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	TCOPPER	.	182	UG/GM-DW	27.0
19	CHEMCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	TCHROMUM	.	181	UG/GM-DW	145.0
20	CHEMCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	TNICKEL	.	185	UG/GM-DW	90.1
21	CHEMCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	TIRON	.	183	%-BYWT	6.0
22	CHEMCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	TMANGAN	.	184	UG/GM-DW	5651.0
23	CHEMCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	TZINC	.	186	UG/GM-DW	265.9
24	CHEMCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	TCOPPER	.	182	UG/GM-DW	43.7
25	CHEMCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	TCHROMUM	.	181	UG/GM-DW	20.6
26	CHEMCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	TNICKEL	.	185	UG/GM-DW	12.0
27	CHEMCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	TIRON	.	183	%-BYWT	0.3
28	CHEMCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	TMANGAN	.	184	UG/GM-DW	527.0
29	CHEMCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	TZINC	.	186	UG/GM-DW	22.4
30	CHEMCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	TCOPPER	.	182	UG/GM-DW	12.9
31	CHEMCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	TCHROMUM	.	181	UG/GM-DW	137.6
32	CHEMCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	TNICKEL	.	185	UG/GM-DW	74.1
33	CHEMCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	TIRON	.	183	%-BYWT	4.8
34	CHEMCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	TMANGAN	.	184	UG/GM-DW	3058.0
35	CHEMCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	TZINC	.	186	UG/GM-DW	262.9
36	CHEMCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	TCOPPER	.	182	UG/GM-DW	36.2
37	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99900004	181	UG/GM-DW	118.6
38	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99900004	185	UG/GM-DW	44.2
39	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99900004	183	%-BYWT	3.2
40	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99900004	184	UG/GM-DW	814.0
41	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99900004	186	UG/GM-DW	123.8
42	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99900004	182	UG/GM-DW	19.4
43	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99918022	181	UG/GM-DW	127.7
44	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99918022	185	UG/GM-DW	50.5
45	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99918022	183	%-BYWT	3.8
46	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99918022	184	UG/GM-DW	1024.0
47	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99918022	186	UG/GM-DW	115.4
48	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99918022	182	UG/GM-DW	43.7
49	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99930034	181	UG/GM-DW	142.3
50	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99930034	185	UG/GM-DW	183.7
51	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99930034	183	%-BYWT	5.3
52	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99930034	184	UG/GM-DW	3389.0
53	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99930034	186	UG/GM-DW	567.7
54	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99930034	182	UG/GM-DW	99.9

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
55	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99938042	181	UG/GM-DW	113.00
56	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99938042	185	UG/GM-DW	96.70
57	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99938042	183	%-BYWT	5.00
58	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99938042	184	UG/GM-DW	2435.00
59	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99938042	186	UG/GM-DW	233.50
60	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99938042	182	UG/GM-DW	47.70
61	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99945049	181	UG/GM-DW	103.30
62	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99945049	185	UG/GM-DW	51.20
63	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99945049	183	%-BYWT	4.76
64	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99945049	184	UG/GM-DW	1550.00
65	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99945049	186	UG/GM-DW	91.50
66	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99945049	182	UG/GM-DW	23.80
67	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99954058	181	UG/GM-DW	89.30
68	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99954058	185	UG/GM-DW	36.00
69	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99954058	183	%-BYWT	4.88
70	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99954058	184	UG/GM-DW	1210.00
71	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99954058	186	UG/GM-DW	66.00
72	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99954058	182	UG/GM-DW	16.50
73	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCHROMUM	99980084	181	UG/GM-DW	61.30
74	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TNICKEL	99980084	185	UG/GM-DW	42.10
75	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TIRON	99980084	183	%-BYWT	4.75
76	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TMANGAN	99980084	184	UG/GM-DW	1164.00
77	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TZINC	99980084	186	UG/GM-DW	90.40
78	CHEMCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	TCOPPER	99980084	182	UG/GM-DW	18.00
79	CHEMCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	TCHROMUM	.	181	UG/GM-DW	118.10
80	CHEMCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	TNICKEL	.	185	UG/GM-DW	55.20
81	CHEMCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	TIRON	.	183	%-BYWT	4.04
82	CHEMCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	TMANGAN	.	184	UG/GM-DW	4038.00
83	CHEMCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	TZINC	.	186	UG/GM-DW	239.60
84	CHEMCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	TCOPPER	.	182	UG/GM-DW	47.80
85	CHEMCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	TCHROMUM	.	181	UG/GM-DW	102.70
86	CHEMCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	TNICKEL	.	185	UG/GM-DW	65.00
87	CHEMCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	TIRON	.	183	%-BYWT	4.46
88	CHEMCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	TMANGAN	.	184	UG/GM-DW	1786.00
89	CHEMCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	TZINC	.	186	UG/GM-DW	217.70
90	CHEMCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	TCOPPER	.	182	UG/GM-DW	35.40
91	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCHROMUM	99900004	181	UG/GM-DW	135.60
92	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TNICKEL	99900004	185	UG/GM-DW	98.80
93	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TIRON	99900004	183	%-BYWT	5.02
94	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TMANGAN	99900004	184	UG/GM-DW	2269.00
95	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TZINC	99900004	186	UG/GM-DW	298.10
96	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCOPPER	99900004	182	UG/GM-DW	45.40
97	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCHROMUM	99922026	181	UG/GM-DW	116.90
98	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TNICKEL	99922026	185	UG/GM-DW	132.00
99	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TIRON	99922026	183	%-BYWT	4.94
100	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TMANGAN	99922026	184	UG/GM-DW	1889.00
101	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TZINC	99922026	186	UG/GM-DW	364.80
102	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCOPPER	99922026	182	UG/GM-DW	74.40
103	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCHROMUM	99948052	181	UG/GM-DW	106.10
104	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TNICKEL	99948052	185	UG/GM-DW	68.70
105	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TIRON	99948052	183	%-BYWT	4.90
106	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TMANGAN	99948052	184	UG/GM-DW	1865.00
107	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TZINC	99948052	186	UG/GM-DW	197.00
108	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCOPPER	99948052	182	UG/GM-DW	37.20

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
109	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCHROMUM	99972076	181	UG/GM-DW	151.40
110	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TNICKEL	99972076	185	UG/GM-DW	49.90
111	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TIRON	99972076	183	%-BYWT	4.54
112	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TMANGAN	99972076	184	UG/GM-DW	1329.00
113	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TZINC	99972076	186	UG/GM-DW	114.40
114	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCOPPER	99972076	182	UG/GM-DW	20.30
115	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCHROMUM	99988094	181	UG/GM-DW	102.30
116	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TNICKEL	99988094	185	UG/GM-DW	49.10
117	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TIRON	99988094	183	%-BYWT	4.61
118	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TMANGAN	99988094	184	UG/GM-DW	1024.00
119	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TZINC	99988094	186	UG/GM-DW	105.90
120	CHEMCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	TCOPPER	99988094	182	UG/GM-DW	14.10
121	CHEMCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	TCHROMUM	.	181	UG/GM-DW	107.70
122	CHEMCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	TNICKEL	.	185	UG/GM-DW	72.20
123	CHEMCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	TIRON	.	183	%-BYWT	4.50
124	CHEMCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	TMANGAN	.	184	UG/GM-DW	3728.00
125	CHEMCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	TZINC	.	186	UG/GM-DW	333.90
126	CHEMCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	TCOPPER	.	182	UG/GM-DW	44.60
127	CHEMCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	TCHROMUM	.	181	UG/GM-DW	147.10
128	CHEMCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	TNICKEL	.	185	UG/GM-DW	80.10
129	CHEMCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	TIRON	.	183	%-BYWT	4.96
130	CHEMCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	TMANGAN	.	184	UG/GM-DW	1995.00
131	CHEMCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	TZINC	.	186	UG/GM-DW	302.00
132	CHEMCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	TCOPPER	.	182	UG/GM-DW	47.90
133	CHEMCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	TCHROMUM	.	181	UG/GM-DW	123.00
134	CHEMCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	TNICKEL	.	185	UG/GM-DW	87.00
135	CHEMCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	TIRON	.	183	%-BYWT	5.34
136	CHEMCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	TMANGAN	.	184	UG/GM-DW	1582.00
137	CHEMCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	TZINC	.	186	UG/GM-DW	333.90
138	CHEMCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	TCOPPER	.	182	UG/GM-DW	59.80
139	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99900004	181	UG/GM-DW	124.40
140	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99900004	185	UG/GM-DW	72.90
141	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99900004	183	%-BYWT	4.03
142	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99900004	184	UG/GM-DW	2960.00
143	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99900004	186	UG/GM-DW	251.00
144	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99900004	182	UG/GM-DW	32.80
145	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99904008	181	UG/GM-DW	68.40
146	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99904008	185	UG/GM-DW	56.70
147	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99904008	183	%-BYWT	3.70
148	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99904008	184	UG/GM-DW	1433.00
149	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99904008	186	UG/GM-DW	155.70
150	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99904008	182	UG/GM-DW	27.20
151	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99910014	181	UG/GM-DW	102.80
152	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99910014	185	UG/GM-DW	39.30
153	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99910014	183	%-BYWT	3.57
154	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99910014	184	UG/GM-DW	500.00
155	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99910014	186	UG/GM-DW	99.00
156	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99910014	182	UG/GM-DW	24.40
157	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99916020	181	UG/GM-DW	88.30
158	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99916020	185	UG/GM-DW	26.40
159	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99916020	183	%-BYWT	3.20
160	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99916020	184	UG/GM-DW	325.00
161	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99916020	186	UG/GM-DW	61.50
162	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99916020	182	UG/GM-DW	20.00

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
163	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99928032	181	UG/GM-DW	182.40
164	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99928032	185	UG/GM-DW	105.30
165	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99928032	183	%-BYWT	5.03
166	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99928032	184	UG/GM-DW	1855.00
167	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99928032	186	UG/GM-DW	349.50
168	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99928032	182	UG/GM-DW	52.70
169	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99946050	181	UG/GM-DW	97.10
170	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99946050	185	UG/GM-DW	134.60
171	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99946050	183	%-BYWT	4.35
172	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99946050	184	UG/GM-DW	1622.00
173	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99946050	186	UG/GM-DW	346.10
174	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99946050	182	UG/GM-DW	68.40
175	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99962066	181	UG/GM-DW	74.40
176	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99962066	185	UG/GM-DW	63.30
177	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99962066	183	%-BYWT	4.56
178	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99962066	184	UG/GM-DW	1655.00
179	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99962066	186	UG/GM-DW	142.00
180	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99962066	182	UG/GM-DW	35.10
181	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCHROMUM	99980084	181	UG/GM-DW	86.30
182	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TNICKEL	99980084	185	UG/GM-DW	48.20
183	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TIRON	99980084	183	%-BYWT	4.87
184	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TMANGAN	99980084	184	UG/GM-DW	1099.00
185	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TZINC	99980084	186	UG/GM-DW	105.90
186	CHEMCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	TCOPPER	99980084	182	UG/GM-DW	13.90
187	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	TCHROMUM	.	181	UG/GM-DW	121.80
188	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	TCHROMUM	.	181	UG/GM-DW	122.60
189	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	TCHROMUM	.	181	UG/GM-DW	129.20
190	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	TNICKEL	.	185	UG/GM-DW	55.50
191	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	TNICKEL	.	185	UG/GM-DW	60.20
192	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	TNICKEL	.	185	UG/GM-DW	59.90
193	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	TIRON	.	183	%-BYWT	3.84
194	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	TIRON	.	183	%-BYWT	3.91
195	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	TIRON	.	183	%-BYWT	3.82
196	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	TMANGAN	.	184	UG/GM-DW	2181.00
197	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	TMANGAN	.	184	UG/GM-DW	2206.00
198	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	TMANGAN	.	184	UG/GM-DW	2091.00
199	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	TZINC	.	186	UG/GM-DW	247.20
200	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	TZINC	.	186	UG/GM-DW	226.30
201	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	TZINC	.	186	UG/GM-DW	202.30
202	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	TCOPPER	.	182	UG/GM-DW	32.90
203	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	TCOPPER	.	182	UG/GM-DW	33.40
204	CHEMCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	TCOPPER	.	182	UG/GM-DW	29.00
205	CHEMCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	TCHROMUM	.	181	UG/GM-DW	76.00
206	CHEMCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	TNICKEL	.	185	UG/GM-DW	33.80
207	CHEMCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	TIRON	.	183	%-BYWT	2.08
208	CHEMCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	TMANGAN	.	184	UG/GM-DW	762.00
209	CHEMCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	TZINC	.	186	UG/GM-DW	159.90
210	CHEMCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	TCOPPER	.	182	UG/GM-DW	21.90
211	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99900004	181	UG/GM-DW	106.90
212	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99900004	185	UG/GM-DW	122.20
213	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99900004	183	%-BYWT	5.11
214	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99900004	184	UG/GM-DW	3636.00
215	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99900004	186	UG/GM-DW	385.10
216	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99900004	182	UG/GM-DW	47.50

---------- MEDIACL=SEDIMENT ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
217	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99907009	181	UG/GM-DW	109.70
218	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99907009	185	UG/GM-DW	164.60
219	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99907009	183	%-BYWT	5.15
220	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99907009	184	UG/GM-DW	2160.00
221	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99907009	186	UG/GM-DW	406.50
222	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99907009	182	UG/GM-DW	75.10
223	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99912016	181	UG/GM-DW	84.80
224	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99912016	185	UG/GM-DW	82.40
225	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99912016	183	%-BYWT	4.90
226	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99912016	184	UG/GM-DW	2099.00
227	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99912016	186	UG/GM-DW	172.90
228	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99912016	182	UG/GM-DW	50.80
229	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99920024	181	UG/GM-DW	83.40
230	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99920024	185	UG/GM-DW	65.50
231	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99920024	183	%-BYWT	5.06
232	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99920024	184	UG/GM-DW	2520.00
233	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99920024	186	UG/GM-DW	160.00
234	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99920024	182	UG/GM-DW	32.40
235	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99928032	181	UG/GM-DW	79.20
236	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99928032	185	UG/GM-DW	50.80
237	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99928032	183	%-BYWT	4.83
238	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99928032	184	UG/GM-DW	1809.00
239	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99928032	186	UG/GM-DW	109.40
240	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99928032	182	UG/GM-DW	41.10
241	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99940044	181	UG/GM-DW	73.20
242	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99940044	185	UG/GM-DW	47.30
243	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99940044	183	%-BYWT	4.83
244	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99940044	184	UG/GM-DW	1458.00
245	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99940044	186	UG/GM-DW	96.40
246	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99940044	182	UG/GM-DW	36.00
247	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99946050	181	UG/GM-DW	93.50
248	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99946050	185	UG/GM-DW	42.40
249	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99946050	183	%-BYWT	4.75
250	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99946050	184	UG/GM-DW	1135.00
251	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99946050	186	UG/GM-DW	95.00
252	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99946050	182	UG/GM-DW	28.00
253	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99952056	181	UG/GM-DW	77.00
254	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99952056	185	UG/GM-DW	33.80
255	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99952056	183	%-BYWT	4.58
256	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99952056	184	UG/GM-DW	990.00
257	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99952056	186	UG/GM-DW	91.50
258	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99952056	182	UG/GM-DW	25.70
259	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99966070	181	UG/GM-DW	86.90
260	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99966070	185	UG/GM-DW	36.00
261	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99966070	183	%-BYWT	4.57
262	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99966070	184	UG/GM-DW	1394.00
263	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99966070	186	UG/GM-DW	90.90
264	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99966070	182	UG/GM-DW	16.60
265	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCHROMUM	99982086	181	UG/GM-DW	94.50
266	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TNICKEL	99982086	185	UG/GM-DW	35.90
267	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TIRON	99982086	183	%-BYWT	4.40
268	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TMANGAN	99982086	184	UG/GM-DW	1573.00
269	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TZINC	99982086	186	UG/GM-DW	84.40
270	CHEMCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	TCOPPER	99982086	182	UG/GM-DW	18.50

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
271	CHEMCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	TCHROMUM	.	181	UG/GM-DW	140.20
272	CHEMCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	TNICKEL	.	185	UG/GM-DW	81.50
273	CHEMCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	TIRON	.	183	%-BYWT	5.08
274	CHEMCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	TMANGAN	.	184	UG/GM-DW	1642.00
275	CHEMCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	TZINC	.	186	UG/GM-DW	287.70
276	CHEMCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	TCOPPER	.	182	UG/GM-DW	60.00
277	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99900004	181	UG/GM-DW	136.80
278	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99900004	185	UG/GM-DW	58.60
279	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99900004	183	%-BYWT	3.61
280	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99900004	184	UG/GM-DW	1189.00
281	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99900004	186	UG/GM-DW	243.30
282	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99900004	182	UG/GM-DW	47.60
283	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99904008	181	UG/GM-DW	170.60
284	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99904008	185	UG/GM-DW	74.40
285	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99904008	183	%-BYWT	4.12
286	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99904008	184	UG/GM-DW	959.00
287	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99904008	186	UG/GM-DW	274.20
288	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99904008	182	UG/GM-DW	54.50
289	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99909012	181	UG/GM-DW	188.70
290	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99909012	185	UG/GM-DW	81.90
291	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99909012	183	%-BYWT	4.41
292	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99909012	184	UG/GM-DW	874.00
293	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99909012	186	UG/GM-DW	377.10
294	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99909012	182	UG/GM-DW	68.30
295	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99912015	181	UG/GM-DW	191.20
296	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99912015	185	UG/GM-DW	85.60
297	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99912015	183	%-BYWT	4.20
298	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99912015	184	UG/GM-DW	1184.00
299	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99912015	186	UG/GM-DW	387.30
300	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99912015	182	UG/GM-DW	68.00
301	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99915018	181	UG/GM-DW	211.40
302	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99915018	185	UG/GM-DW	90.90
303	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99915018	183	%-BYWT	4.42
304	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99915018	184	UG/GM-DW	820.00
305	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99915018	186	UG/GM-DW	449.50
306	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99915018	182	UG/GM-DW	71.60
307	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99920024	181	UG/GM-DW	220.60
308	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99920024	185	UG/GM-DW	98.00
309	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99920024	183	%-BYWT	4.28
310	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99920024	184	UG/GM-DW	1101.00
311	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99920024	186	UG/GM-DW	441.20
312	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99920024	182	UG/GM-DW	74.00
313	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99926030	181	UG/GM-DW	251.50
314	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99926030	185	UG/GM-DW	119.70
315	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99926030	183	%-BYWT	4.17
316	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99926030	184	UG/GM-DW	900.00
317	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99926030	186	UG/GM-DW	518.50
318	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99926030	182	UG/GM-DW	79.40
319	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99932036	181	UG/GM-DW	227.00
320	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99932036	185	UG/GM-DW	132.60
321	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99932036	184	UG/GM-DW	972.00
322	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99932036	186	UG/GM-DW	478.40
323	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99932036	182	UG/GM-DW	65.60
324	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99932036	183	%-BYWT	4.33

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
325	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99940044	181	UG/GM-DW	230.80
326	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99940044	185	UG/GM-DW	135.80
327	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99940044	183	%-BYWT	4.35
328	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99940044	184	UG/GM-DW	1384.00
329	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99940044	186	UG/GM-DW	517.50
330	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99940044	182	UG/GM-DW	67.90
331	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99947050	181	UG/GM-DW	228.90
332	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99947050	185	UG/GM-DW	136.40
333	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99947050	183	%-BYWT	4.23
334	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99947050	184	UG/GM-DW	945.00
335	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99947050	186	UG/GM-DW	516.50
336	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99947050	182	UG/GM-DW	66.40
337	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99950054	181	UG/GM-DW	232.40
338	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99950054	185	UG/GM-DW	169.20
339	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99950054	183	%-BYWT	4.31
340	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99950054	184	UG/GM-DW	704.00
341	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99950054	186	UG/GM-DW	568.90
342	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99950054	182	UG/GM-DW	68.30
343	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99960064	181	UG/GM-DW	271.90
344	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99960064	185	UG/GM-DW	173.50
345	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99960064	183	%-BYWT	4.33
346	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99960064	184	UG/GM-DW	1040.00
347	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99960064	186	UG/GM-DW	578.70
348	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99960064	182	UG/GM-DW	80.00
349	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99970073	181	UG/GM-DW	254.40
350	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99970073	185	UG/GM-DW	143.00
351	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99970073	183	%-BYWT	4.10
352	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99970073	184	UG/GM-DW	765.00
353	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99970073	186	UG/GM-DW	585.50
354	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99970073	182	UG/GM-DW	74.90
355	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCHROMUM	99974078	181	UG/GM-DW	259.20
356	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TNICKEL	99974078	185	UG/GM-DW	151.00
357	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TIRON	99974078	183	%-BYWT	4.41
358	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TMANGAN	99974078	184	UG/GM-DW	730.00
359	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TZINC	99974078	186	UG/GM-DW	576.00
360	CHEMCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	TCOPPER	99974078	182	UG/GM-DW	75.90
361	CHEMCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	TCHROMUM	.	181	UG/GM-DW	89.50
362	CHEMCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	TNICKEL	.	185	UG/GM-DW	42.20
363	CHEMCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	TIRON	.	183	%-BYWT	2.69
364	CHEMCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	TMANGAN	.	184	UG/GM-DW	1302.00
365	CHEMCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	TZINC	.	186	UG/GM-DW	126.40
366	CHEMCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	TCOPPER	.	182	UG/GM-DW	30.60
367	CHEMCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	TCHROMUM	.	181	UG/GM-DW	33.50
368	CHEMCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	TNICKEL	.	185	UG/GM-DW	13.50
369	CHEMCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	TIRON	.	183	%-BYWT	0.86
370	CHEMCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	TMANGAN	.	184	UG/GM-DW	567.00
371	CHEMCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	TZINC	.	186	UG/GM-DW	59.30
372	CHEMCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	TCOPPER	.	182	UG/GM-DW	13.70
373	CHEMCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	TCHROMUM	.	181	UG/GM-DW	157.00
374	CHEMCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	TNICKEL	.	185	UG/GM-DW	70.70
375	CHEMCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	TIRON	.	183	%-BYWT	4.00
376	CHEMCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	TMANGAN	.	184	UG/GM-DW	517.00
377	CHEMCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	TZINC	.	186	UG/GM-DW	247.10
378	CHEMCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	TCOPPER	.	182	UG/GM-DW	41.10

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
379	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	TCHROMUM	.	181	UG/GM-DW	74.00
380	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	TCHROMUM	.	181	UG/GM-DW	50.90
381	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	TCHROMUM	.	181	UG/GM-DW	127.30
382	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	TNICKEL	.	185	UG/GM-DW	34.10
383	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	TNICKEL	.	185	UG/GM-DW	29.50
384	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	TNICKEL	.	185	UG/GM-DW	70.50
385	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	TIRON	.	183	%-BYWT	1.69
386	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	TIRON	.	183	%-BYWT	1.34
387	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	TIRON	.	183	%-BYWT	4.30
388	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	TMANGAN	.	184	UG/GM-DW	811.00
389	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	TMANGAN	.	184	UG/GM-DW	628.00
390	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	TMANGAN	.	184	UG/GM-DW	2662.00
391	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	TZINC	.	186	UG/GM-DW	117.70
392	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	TZINC	.	186	UG/GM-DW	52.90
393	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	TZINC	.	186	UG/GM-DW	267.90
394	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	TCOPPER	.	182	UG/GM-DW	13.30
395	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	TCOPPER	.	182	UG/GM-DW	12.90
396	CHEMCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	TCOPPER	.	182	UG/GM-DW	34.70
397	CHEMCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	TCHROMUM	.	181	UG/GM-DW	131.90
398	CHEMCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	TNICKEL	.	185	UG/GM-DW	62.10
399	CHEMCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	TIRON	.	183	%-BYWT	4.29
400	CHEMCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	TMANGAN	.	184	UG/GM-DW	1012.00
401	CHEMCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	TZINC	.	186	UG/GM-DW	220.80
402	CHEMCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	TCOPPER	.	182	UG/GM-DW	39.10
403	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	TCHROMUM	.	181	UG/GM-DW	37.80
404	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	TCHROMUM	.	181	UG/GM-DW	36.20
405	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	TCHROMUM	.	181	UG/GM-DW	40.20
406	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	TNICKEL	.	185	UG/GM-DW	24.80
407	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	TNICKEL	.	185	UG/GM-DW	27.70
408	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	TNICKEL	.	185	UG/GM-DW	32.50
409	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	TIRON	.	183	%-BYWT	0.96
410	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	TIRON	.	183	%-BYWT	0.99
411	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	TIRON	.	183	%-BYWT	1.06
412	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	TMANGAN	.	184	UG/GM-DW	1019.00
413	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	TMANGAN	.	184	UG/GM-DW	941.00
414	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	TMANGAN	.	184	UG/GM-DW	1052.00
415	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	TZINC	.	186	UG/GM-DW	52.60
416	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	TZINC	.	186	UG/GM-DW	62.60
417	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	TZINC	.	186	UG/GM-DW	68.90
418	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	TCOPPER	.	182	UG/GM-DW	14.90
419	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	TCOPPER	.	182	UG/GM-DW	26.70
420	CHEMCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	TCOPPER	.	182	UG/GM-DW	14.00
421	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TCHROMUM	99900004	181	UG/GM-DW	38.90
422	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TNICKEL	99900004	185	UG/GM-DW	19.70
423	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TIRON	99900004	183	%-BYWT	0.68
424	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TMANGAN	99900004	184	UG/GM-DW	556.00
425	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TZINC	99900004	186	UG/GM-DW	35.50
426	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TCOPPER	99900004	182	UG/GM-DW	12.90
427	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TCHROMUM	99906010	181	UG/GM-DW	23.70
428	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TNICKEL	99906010	185	UG/GM-DW	13.10
429	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TIRON	99906010	183	%-BYWT	0.26
430	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TMANGAN	99906010	184	UG/GM-DW	70.00
431	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TZINC	99906010	186	UG/GM-DW	19.50
432	CHEMCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	TCOPPER	99906010	182	UG/GM-DW	12.90

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
433	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	TCHROMUM	.	181	UG/GM-DW	20.60
434	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	TCHROMUM	.	181	UG/GM-DW	20.60
435	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	TCHROMUM	.	181	UG/GM-DW	20.60
436	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	TNICKEL	.	185	UG/GM-DW	12.00
437	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	TNICKEL	.	185	UG/GM-DW	12.00
438	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	TNICKEL	.	185	UG/GM-DW	12.00
439	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	TIRON	.	183	%-BYWT	0.34
440	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	TIRON	.	183	%-BYWT	0.55
441	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	TIRON	.	183	%-BYWT	0.45
442	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	TMANGAN	.	184	UG/GM-DW	737.00
443	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	TMANGAN	.	184	UG/GM-DW	738.00
444	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	TMANGAN	.	184	UG/GM-DW	786.00
445	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	TZINC	.	186	UG/GM-DW	23.40
446	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	TZINC	.	186	UG/GM-DW	34.90
447	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	TZINC	.	186	UG/GM-DW	27.30
448	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	TCOPPER	.	182	UG/GM-DW	12.90
449	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	TCOPPER	.	182	UG/GM-DW	12.90
450	CHEMCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	TCOPPER	.	182	UG/GM-DW	12.90
451	CHEMCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	TCHROMUM	.	181	UG/GM-DW	84.60
452	CHEMCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	TNICKEL	.	185	UG/GM-DW	35.20
453	CHEMCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	TIRON	.	183	%-BYWT	2.52
454	CHEMCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	TMANGAN	.	184	UG/GM-DW	667.00
455	CHEMCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	TZINC	.	186	UG/GM-DW	140.20
456	CHEMCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	TCOPPER	.	182	UG/GM-DW	21.50
457	CHEMCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	TCHROMUM	.	181	UG/GM-DW	70.20
458	CHEMCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	TNICKEL	.	185	UG/GM-DW	33.50
459	CHEMCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	TIRON	.	183	%-BYWT	2.36
460	CHEMCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	TMANGAN	.	184	UG/GM-DW	692.00
461	CHEMCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	TZINC	.	186	UG/GM-DW	116.40
462	CHEMCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	TCOPPER	.	182	UG/GM-DW	21.90
463	CHEMCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	TCHROMUM	.	181	UG/GM-DW	124.60
464	CHEMCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	TNICKEL	.	185	UG/GM-DW	64.20
465	CHEMCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	TIRON	.	183	%-BYWT	4.36
466	CHEMCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	TMANGAN	.	184	UG/GM-DW	1481.00
467	CHEMCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	TZINC	.	186	UG/GM-DW	256.60
468	CHEMCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	TCOPPER	.	182	UG/GM-DW	33.00
469	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99900004	181	UG/GM-DW	172.50
470	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99900004	185	UG/GM-DW	76.10
471	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99900004	183	%-BYWT	5.08
472	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99900004	184	UG/GM-DW	1325.00
473	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99900004	186	UG/GM-DW	304.50
474	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99900004	182	UG/GM-DW	38.50
475	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99906010	181	UG/GM-DW	178.40
476	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99906010	185	UG/GM-DW	109.60
477	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99906010	183	%-BYWT	4.35
478	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99906010	184	UG/GM-DW	1054.00
479	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99906010	186	UG/GM-DW	413.10
480	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99906010	182	UG/GM-DW	56.70
481	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99911015	181	UG/GM-DW	124.00
482	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99911015	185	UG/GM-DW	53.10
483	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99911015	183	%-BYWT	4.26
484	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99911015	184	UG/GM-DW	939.00
485	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99911015	186	UG/GM-DW	157.20
486	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99911015	182	UG/GM-DW	35.50

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
487	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99916020	181	UG/GM-DW	120.70
488	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99916020	185	UG/GM-DW	33.50
489	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99916020	183	%-BYWT	4.67
490	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99916020	184	UG/GM-DW	1154.00
491	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99916020	186	UG/GM-DW	100.40
492	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99916020	182	UG/GM-DW	13.00
493	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99922026	181	UG/GM-DW	127.80
494	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99922026	185	UG/GM-DW	33.00
495	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99922026	183	%-BYWT	4.45
496	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99922026	184	UG/GM-DW	1470.00
497	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99922026	186	UG/GM-DW	102.00
498	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99922026	182	UG/GM-DW	12.90
499	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99936040	181	UG/GM-DW	124.20
500	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99936040	185	UG/GM-DW	33.00
501	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99936040	183	%-BYWT	4.38
502	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99936040	184	UG/GM-DW	1904.00
503	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99936040	186	UG/GM-DW	105.00
504	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99936040	182	UG/GM-DW	15.00
505	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99956060	181	UG/GM-DW	114.30
506	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99956060	185	UG/GM-DW	37.60
507	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99956060	183	%-BYWT	4.73
508	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99956060	184	UG/GM-DW	1575.00
509	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99956060	186	UG/GM-DW	105.20
510	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99956060	182	UG/GM-DW	12.90
511	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99976080	181	UG/GM-DW	118.70
512	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99976080	185	UG/GM-DW	38.20
513	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99976080	183	%-BYWT	4.61
514	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99976080	184	UG/GM-DW	1614.00
515	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99976080	186	UG/GM-DW	100.40
516	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99976080	182	UG/GM-DW	14.30
517	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCHROMUM	99994098	181	UG/GM-DW	122.90
518	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TNICKEL	99994098	185	UG/GM-DW	38.70
519	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TIRON	99994098	183	%-BYWT	4.57
520	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TMANGAN	99994098	184	UG/GM-DW	1630.50
521	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TZINC	99994098	186	UG/GM-DW	106.50
522	CHEMCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	TCOPPER	99994098	182	UG/GM-DW	14.50
523	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	TCHROMUM	.	181	UG/GM-DW	161.00
524	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	TCHROMUM	.	181	UG/GM-DW	162.00
525	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	TCHROMUM	.	181	UG/GM-DW	157.60
526	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	TNICKEL	.	185	UG/GM-DW	82.50
527	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	TNICKEL	.	185	UG/GM-DW	79.50
528	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	TNICKEL	.	185	UG/GM-DW	83.50
529	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	TIRON	.	183	%-BYWT	4.56
530	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	TIRON	.	183	%-BYWT	4.96
531	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	TIRON	.	183	%-BYWT	5.10
532	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	TMANGAN	.	184	UG/GM-DW	1121.00
533	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	TMANGAN	.	184	UG/GM-DW	1197.00
534	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	TMANGAN	.	184	UG/GM-DW	1225.00
535	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	TZINC	.	186	UG/GM-DW	318.60
536	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	TZINC	.	186	UG/GM-DW	293.20
537	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	TZINC	.	186	UG/GM-DW	295.40
538	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	TCOPPER	.	182	UG/GM-DW	49.90
539	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	TCOPPER	.	182	UG/GM-DW	47.30
540	CHEMCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	TCOPPER	.	182	UG/GM-DW	37.70

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
541	CHEMCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	TCHROMUM	.	181	UG/GM-DW	20.60
542	CHEMCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	TNICKEL	.	185	UG/GM-DW	12.00
543	CHEMCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	TIRON	.	183	%-BYWT	0.23
544	CHEMCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	TMANGAN	.	184	UG/GM-DW	962.00
545	CHEMCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	TZINC	.	186	UG/GM-DW	20.90
546	CHEMCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	TCOPPER	.	182	UG/GM-DW	12.90
547	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99900004	181	UG/GM-DW	116.70
548	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99900004	185	UG/GM-DW	81.60
549	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99900004	183	%-BYWT	4.78
550	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99900004	184	UG/GM-DW	3320.00
551	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99900004	186	UG/GM-DW	90.00
552	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99900004	182	UG/GM-DW	43.10
553	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99905009	181	UG/GM-DW	107.70
554	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99905009	185	UG/GM-DW	63.60
555	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99905009	183	%-BYWT	4.60
556	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99905009	184	UG/GM-DW	2060.00
557	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99905009	186	UG/GM-DW	272.00
558	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99905009	182	UG/GM-DW	44.50
559	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99910014	181	UG/GM-DW	104.60
560	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99910014	185	UG/GM-DW	155.80
561	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99910014	183	%-BYWT	5.32
562	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99910014	184	UG/GM-DW	6582.00
563	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99910014	186	UG/GM-DW	551.20
564	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99910014	182	UG/GM-DW	56.60
565	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99920024	181	UG/GM-DW	100.40
566	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99920024	185	UG/GM-DW	91.00
567	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99920024	183	%-BYWT	4.85
568	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99920024	184	UG/GM-DW	1608.00
569	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99920024	186	UG/GM-DW	281.20
570	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99920024	182	UG/GM-DW	53.10
571	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99930034	181	UG/GM-DW	59.60
572	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99930034	185	UG/GM-DW	64.20
573	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99930034	183	%-BYWT	5.20
574	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99930034	184	UG/GM-DW	2094.00
575	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99930034	186	UG/GM-DW	201.40
576	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99930034	182	UG/GM-DW	36.20
577	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99936040	181	UG/GM-DW	104.20
578	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99936040	185	UG/GM-DW	52.80
579	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99936040	183	%-BYWT	5.26
580	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99936040	184	UG/GM-DW	1780.00
581	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99936040	186	UG/GM-DW	142.00
582	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99936040	182	UG/GM-DW	22.90
583	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99948052	181	UG/GM-DW	102.20
584	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99948052	185	UG/GM-DW	43.60
585	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99948052	183	%-BYWT	4.85
586	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99948052	184	UG/GM-DW	1189.00
587	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99948052	186	UG/GM-DW	108.90
588	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99948052	182	UG/GM-DW	16.60
589	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99956060	181	UG/GM-DW	88.70
590	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99956060	185	UG/GM-DW	39.40
591	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99956060	183	%-BYWT	4.69
592	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99956060	184	UG/GM-DW	1029.00
593	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99956060	186	UG/GM-DW	107.40
594	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99956060	182	UG/GM-DW	14.60

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
595	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99962066	181	UG/GM-DW	115.50
596	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99962066	185	UG/GM-DW	37.50
597	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99962066	183	%-BYWT	4.92
598	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99962066	184	UG/GM-DW	1144.00
599	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99962066	186	UG/GM-DW	114.40
600	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99962066	182	UG/GM-DW	13.30
601	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99972076	181	UG/GM-DW	113.90
602	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99972076	185	UG/GM-DW	35.90
603	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99972076	183	%-BYWT	4.67
604	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99972076	184	UG/GM-DW	1184.00
605	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99972076	186	UG/GM-DW	104.40
606	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99972076	182	UG/GM-DW	12.90
607	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCHROMUM	99982086	181	UG/GM-DW	113.70
608	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TNICKEL	99982086	185	UG/GM-DW	33.40
609	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TIRON	99982086	183	%-BYWT	4.87
610	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TMANGAN	99982086	184	UG/GM-DW	1119.00
611	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TZINC	99982086	186	UG/GM-DW	98.00
612	CHEMCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	TCOPPER	99982086	182	UG/GM-DW	16.20
613	CHEMCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	TCHROMUM	.	181	UG/GM-DW	124.10
614	CHEMCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	TNICKEL	.	185	UG/GM-DW	72.40
615	CHEMCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	TIRON	.	183	%-BYWT	4.64
616	CHEMCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	TMANGAN	.	184	UG/GM-DW	5902.00
617	CHEMCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	TZINC	.	186	UG/GM-DW	258.90
618	CHEMCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	TCOPPER	.	182	UG/GM-DW	37.10
619	CHEMCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	TCHROMUM	.	181	UG/GM-DW	33.70
620	CHEMCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	TNICKEL	.	185	UG/GM-DW	21.40
621	CHEMCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	TIRON	.	183	%-BYWT	1.31
622	CHEMCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	TMANGAN	.	184	UG/GM-DW	487.00
623	CHEMCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	TZINC	.	186	UG/GM-DW	74.80
624	CHEMCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	TCOPPER	.	182	UG/GM-DW	12.90
625	PHYSCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	WATERCON	.	56	%-BYWT	66.98
626	PHYSCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	SAND	.	56	%-BYWT	1.67
627	PHYSCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	SILT	.	56	%-BYWT	39.45
628	PHYSCHAR	XIF2038	870422	0	GRAB		0	3912027	7624081	1	CLAY	.	56	%-BYWT	58.88
629	PHYSCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	WATERCON	.	56	%-BYWT	66.28
630	PHYSCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	SAND	.	56	%-BYWT	1.39
631	PHYSCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	SILT	.	56	%-BYWT	41.88
632	PHYSCHAR	XIF3064	870422	0	GRAB		0	3912586	7623351	1	CLAY	.	56	%-BYWT	56.73
633	PHYSCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	WATERCON	.	56	%-BYWT	41.32
634	PHYSCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	SAND	.	56	%-BYWT	65.26
635	PHYSCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	SILT	.	56	%-BYWT	14.34
636	PHYSCHAR	XIF3430	870422	0	GRAB		0	3913217	7622581	1	CLAY	.	56	%-BYWT	20.40
637	PHYSCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	WATERCON	.	56	%-BYWT	65.45
638	PHYSCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	SAND	.	56	%-BYWT	0.60
639	PHYSCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	SILT	.	56	%-BYWT	39.91
640	PHYSCHAR	XIF3620	870422	0	GRAB		0	3913308	7621593	1	CLAY	.	56	%-BYWT	59.49
641	PHYSCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	WATERCON	.	56	%-BYWT	21.05
642	PHYSCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	SAND	.	56	%-BYWT	96.49
643	PHYSCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	SILT	.	56	%-BYWT	0.89
644	PHYSCHAR	XIF3638	870422	0	GRAB		0	3913322	7623438	1	CLAY	.	56	%-BYWT	2.63
645	PHYSCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	WATERCON	.	56	%-BYWT	56.14
646	PHYSCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	SAND	.	56	%-BYWT	1.11
647	PHYSCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	SILT	.	56	%-BYWT	40.04
648	PHYSCHAR	XIF4016	870422	0	GRAB		0	3914001	7621536	1	CLAY	.	56	%-BYWT	58.81

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
649	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99900004	56	%-BYWT	52.53
650	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99900004	56	%-BYWT	0.39
651	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99900004	56	%-BYWT	47.21
652	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99900004	56	%-BYWT	52.40
653	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99918022	56	%-BYWT	52.86
654	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99918022	56	%-BYWT	0.05
655	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99918022	56	%-BYWT	39.12
656	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99918022	56	%-BYWT	60.83
657	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99930034	56	%-BYWT	55.25
658	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99930034	56	%-BYWT	5.27
659	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99930034	56	%-BYWT	42.39
660	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99930034	56	%-BYWT	52.34
661	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99938042	56	%-BYWT	55.54
662	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99938042	56	%-BYWT	2.74
663	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99938042	56	%-BYWT	37.00
664	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99938042	56	%-BYWT	60.26
665	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99945049	56	%-BYWT	54.72
666	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99945049	56	%-BYWT	4.62
667	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99945049	56	%-BYWT	36.14
668	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99945049	56	%-BYWT	57.24
669	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99954058	56	%-BYWT	57.91
670	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99954058	56	%-BYWT	2.81
671	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99954058	56	%-BYWT	40.50
672	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99954058	56	%-BYWT	56.69
673	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	WATERCON	99980084	56	%-BYWT	61.05
674	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SAND	99980084	56	%-BYWT	2.48
675	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	SILT	99980084	56	%-BYWT	38.40
676	PHYSCHAR	XIF4024	870421	0	CORES		0	3913591	7622203	1	CLAY	99980084	56	%-BYWT	59.12
677	PHYSCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	WATERCON	.	56	%-BYWT	58.56
678	PHYSCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	SAND	.	56	%-BYWT	3.47
679	PHYSCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	SILT	.	56	%-BYWT	55.42
680	PHYSCHAR	XIF4126	870422	0	GRAB		0	3914054	7622355	1	CLAY	.	56	%-BYWT	41.10
681	PHYSCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	WATERCON	.	56	%-BYWT	60.39
682	PHYSCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	SAND	.	56	%-BYWT	3.06
683	PHYSCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	SILT	.	56	%-BYWT	41.37
684	PHYSCHAR	XIF4221	870422	0	GRAB		0	3914108	7622079	1	CLAY	.	56	%-BYWT	55.55
685	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	WATERCON	99900004	56	%-BYWT	63.53
686	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SAND	99900004	56	%-BYWT	0.69
687	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SILT	99900004	56	%-BYWT	41.73
688	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	CLAY	99900004	56	%-BYWT	57.38
689	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	WATERCON	99922026	56	%-BYWT	57.20
690	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SAND	99922026	56	%-BYWT	1.44
691	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SILT	99922026	56	%-BYWT	48.73
692	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	CLAY	99922026	56	%-BYWT	49.83
693	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	WATERCON	99948052	56	%-BYWT	56.76
694	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SAND	99948052	56	%-BYWT	0.11
695	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SILT	99948052	56	%-BYWT	39.76
696	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	CLAY	99948052	56	%-BYWT	60.13
697	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	WATERCON	99972076	56	%-BYWT	56.97
698	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SAND	99972076	56	%-BYWT	0.57
699	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SILT	99972076	56	%-BYWT	38.49
700	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	CLAY	99972076	56	%-BYWT	60.94
701	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	WATERCON	99986094	56	%-BYWT	57.34
702	PHYSCHAR	XIF4265	870421	0	CORES		0	3914105	7621100	1	SAND	99986094	56	%-BYWT	0.76

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
703	PHYSCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	SILT	99988094	56	%-BYWT	45.75
704	PHYSCHAR	XIF4285	870421	0	CORES		0	3914105	7621100	1	CLAY	99988094	56	%-BYWT	53.46
705	PHYSCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	WATERCON	.	56	%-BYWT	65.05
706	PHYSCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	SAND	.	56	%-BYWT	2.05
707	PHYSCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	SILT	.	56	%-BYWT	39.45
708	PHYSCHAR	XIF4317	870422	0	GRAB		0	3914166	7621389	1	CLAY	.	56	%-BYWT	58.49
709	PHYSCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	WATERCON	.	56	%-BYWT	62.39
710	PHYSCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	SAND	.	56	%-BYWT	1.47
711	PHYSCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	SILT	.	56	%-BYWT	40.38
712	PHYSCHAR	XIF4405	870422	0	GRAB		0	3914232	7620483	1	CLAY	.	56	%-BYWT	58.15
713	PHYSCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	WATERCON	.	56	%-BYWT	61.11
714	PHYSCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	SAND	.	56	%-BYWT	2.32
715	PHYSCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	SILT	.	56	%-BYWT	36.07
716	PHYSCHAR	XIF4609	870422	0	GRAB		0	3914345	7620560	1	CLAY	.	56	%-BYWT	61.61
717	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99900004	56	%-BYWT	61.65
718	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99900004	56	%-BYWT	5.20
719	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99900004	56	%-BYWT	49.02
720	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99900004	56	%-BYWT	45.18
721	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99904008	56	%-BYWT	53.54
722	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99904008	56	%-BYWT	8.00
723	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99904008	56	%-BYWT	48.66
724	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99904008	56	%-BYWT	43.35
725	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99910014	56	%-BYWT	43.75
726	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99910014	56	%-BYWT	2.10
727	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99910014	56	%-BYWT	57.44
728	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99910014	56	%-BYWT	40.45
729	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99916020	56	%-BYWT	42.50
730	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99916020	56	%-BYWT	2.11
731	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99916020	56	%-BYWT	54.68
732	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99916020	56	%-BYWT	43.21
733	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99928032	56	%-BYWT	53.37
734	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99928032	56	%-BYWT	3.76
735	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99928032	56	%-BYWT	36.60
736	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99928032	56	%-BYWT	59.64
737	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99946050	56	%-BYWT	54.79
738	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99946050	56	%-BYWT	5.62
739	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99946050	56	%-BYWT	38.60
740	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99946050	56	%-BYWT	55.78
741	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99954058	56	%-BYWT	53.05
742	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99954058	56	%-BYWT	2.89
743	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99954058	56	%-BYWT	36.45
744	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99954058	56	%-BYWT	60.66
745	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99962066	56	%-BYWT	56.43
746	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99962066	56	%-BYWT	1.93
747	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99962066	56	%-BYWT	34.71
748	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99962066	56	%-BYWT	63.36
749	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	WATERCON	99980084	56	%-BYWT	58.59
750	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SAND	99980084	56	%-BYWT	3.37
751	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	SILT	99980084	56	%-BYWT	38.05
752	PHYSCHAR	XIF4615	870421	0	CORES		0	3914326	7621258	1	CLAY	99980084	56	%-BYWT	58.57
753	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	WATERCON	.	56	%-BYWT	55.24
754	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	WATERCON	.	56	%-BYWT	57.65
755	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	WATERCON	.	56	%-BYWT	58.40
756	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	SAND	.	56	%-BYWT	5.56

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
757	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	SAND	.	56	%-BYWT	7.31
758	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	SAND	.	56	%-BYWT	7.99
759	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	SILT	.	56	%-BYWT	51.17
760	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	SILT	.	56	%-BYWT	48.31
761	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	SILT	.	56	%-BYWT	49.82
762	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	1	CLAY	.	56	%-BYWT	43.27
763	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	2	CLAY	.	56	%-BYWT	44.38
764	PHYSCHAR	XIF4615	870422	0	GRAB		0	3914326	7621258	3	CLAY	.	56	%-BYWT	42.19
765	PHYSCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	WATERCON	.	56	%-BYWT	47.53
766	PHYSCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	SAND	.	56	%-BYWT	52.94
767	PHYSCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	SILT	.	56	%-BYWT	29.02
768	PHYSCHAR	XIF4642	870422	0	GRAB		0	3914350	7624115	1	CLAY	.	56	%-BYWT	18.05
769	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99900004	56	%-BYWT	63.07
770	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99900004	56	%-BYWT	1.55
771	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99900004	56	%-BYWT	40.01
772	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99900004	56	%-BYWT	58.45
773	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99912016	56	%-BYWT	55.44
774	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99912016	56	%-BYWT	1.57
775	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99912016	56	%-BYWT	37.58
776	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99912016	56	%-BYWT	60.84
777	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99920024	56	%-BYWT	60.53
778	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99920024	56	%-BYWT	0.96
779	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99920024	56	%-BYWT	37.05
780	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99920024	56	%-BYWT	61.99
781	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99928032	56	%-BYWT	57.83
782	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99928032	56	%-BYWT	1.65
783	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99928032	56	%-BYWT	36.99
784	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99928032	56	%-BYWT	61.17
785	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99940044	56	%-BYWT	58.82
786	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99940044	56	%-BYWT	1.03
787	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99940044	56	%-BYWT	39.41
788	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99940044	56	%-BYWT	59.57
789	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99946050	56	%-BYWT	57.89
790	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99946050	56	%-BYWT	1.84
791	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99946050	56	%-BYWT	38.85
792	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99946050	56	%-BYWT	59.30
793	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99952056	56	%-BYWT	58.99
794	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99952056	56	%-BYWT	1.72
795	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99952056	56	%-BYWT	40.43
796	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99952056	56	%-BYWT	57.85
797	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99966070	56	%-BYWT	62.45
798	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99966070	56	%-BYWT	1.15
799	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99966070	56	%-BYWT	42.05
800	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99966070	56	%-BYWT	56.80
801	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	WATERCON	99982086	56	%-BYWT	63.11
802	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SAND	99982086	56	%-BYWT	1.19
803	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	SILT	99982086	56	%-BYWT	41.31
804	PHYSCHAR	XIF4703	870421	0	CORES		0	3914395	7620215	1	CLAY	99982086	56	%-BYWT	57.50
805	PHYSCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	WATERCON	.	56	%-BYWT	59.11
806	PHYSCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	SAND	.	56	%-BYWT	2.23
807	PHYSCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	SILT	.	56	%-BYWT	37.84
808	PHYSCHAR	XIF4806	870422	0	GRAB		0	3914461	7620339	1	CLAY	.	56	%-BYWT	59.94
809	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99900004	56	%-BYWT	55.96
810	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99900004	56	%-BYWT	2.59

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
811	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99900004	56	%-BYWT	60.45
812	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99900004	56	%-BYWT	36.96
813	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99904008	56	%-BYWT	56.22
814	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99904008	56	%-BYWT	2.68
815	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99904008	56	%-BYWT	51.28
816	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99904008	56	%-BYWT	46.04
817	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99909012	56	%-BYWT	60.63
818	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99909012	56	%-BYWT	2.95
819	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99909012	56	%-BYWT	50.91
820	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99909012	56	%-BYWT	46.14
821	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99912015	56	%-BYWT	60.74
822	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99912015	56	%-BYWT	3.54
823	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99912015	56	%-BYWT	49.49
824	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99912015	56	%-BYWT	46.97
825	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99915018	56	%-BYWT	65.11
826	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99915018	56	%-BYWT	4.48
827	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99915018	56	%-BYWT	51.37
828	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99915018	56	%-BYWT	44.15
829	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99920024	56	%-BYWT	63.79
830	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99920024	56	%-BYWT	4.08
831	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99920024	56	%-BYWT	46.62
832	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99920024	56	%-BYWT	49.30
833	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99923060	56	%-BYWT	43.38
834	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99926030	56	%-BYWT	69.98
835	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99926030	56	%-BYWT	9.38
836	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99926030	56	%-BYWT	47.24
837	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99932036	56	%-BYWT	67.33
838	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99932036	56	%-BYWT	1.79
839	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99932036	56	%-BYWT	46.26
840	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99932036	56	%-BYWT	51.95
841	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99940044	56	%-BYWT	64.42
842	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99940044	56	%-BYWT	2.85
843	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99940044	56	%-BYWT	47.40
844	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99940044	56	%-BYWT	49.75
845	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99947050	56	%-BYWT	66.45
846	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99947050	56	%-BYWT	2.76
847	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99947050	56	%-BYWT	44.19
848	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99947050	56	%-BYWT	53.05
849	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99950054	56	%-BYWT	66.62
850	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99950054	56	%-BYWT	6.02
851	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99950054	56	%-BYWT	43.67
852	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99950054	56	%-BYWT	48.31
853	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99960064	56	%-BYWT	68.92
854	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99960064	56	%-BYWT	16.26
855	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99960064	56	%-BYWT	35.99
856	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99960064	56	%-BYWT	47.76
857	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99970073	56	%-BYWT	67.22
858	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99970073	56	%-BYWT	1.52
859	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99970073	56	%-BYWT	48.60
860	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99970073	56	%-BYWT	45.87
861	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	WATERCON	99974078	56	%-BYWT	69.80
862	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SAND	99974078	56	%-BYWT	1.41
863	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	SILT	99974078	56	%-BYWT	43.32
864	PHYSCHAR	XIF4964	870421	0	CORES		0	3914532	7623354	1	CLAY	99974078	56	%-BYWT	55.24

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
865	PHYSCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	WATERCON	.	56	%-BYWT	46.80
866	PHYSCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	SAND	.	56	%-BYWT	31.80
867	PHYSCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	SILT	.	56	%-BYWT	37.53
868	PHYSCHAR	XIF5009	870422	0	GRAB		0	3914538	7620577	1	CLAY	.	56	%-BYWT	30.67
869	PHYSCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	WATERCON	.	56	%-BYWT	21.62
870	PHYSCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	SAND	.	56	%-BYWT	91.33
871	PHYSCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	SILT	.	56	%-BYWT	2.84
872	PHYSCHAR	XIF5203	870422	0	GRAB		0	3915076	7620193	1	CLAY	.	56	%-BYWT	5.83
873	PHYSCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	WATERCON	.	56	%-BYWT	61.22
874	PHYSCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	SAND	.	56	%-BYWT	3.84
875	PHYSCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	SILT	.	56	%-BYWT	44.96
876	PHYSCHAR	XIF5232	870422	0	GRAB		0	3915086	7623102	1	CLAY	.	56	%-BYWT	51.20
877	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	WATERCON	.	56	%-BYWT	41.11
878	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	WATERCON	.	56	%-BYWT	34.26
879	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	WATERCON	.	56	%-BYWT	61.03
880	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	SAND	.	56	%-BYWT	70.25
881	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	SAND	.	56	%-BYWT	81.14
882	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	SAND	.	56	%-BYWT	8.78
883	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	SILT	.	56	%-BYWT	12.49
884	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	SILT	.	56	%-BYWT	8.57
885	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	SILT	.	56	%-BYWT	38.21
886	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	1	CLAY	.	56	%-BYWT	17.25
887	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	2	CLAY	.	56	%-BYWT	10.29
888	PHYSCHAR	XIF5302	870422	0	GRAB		0	3915041	7620193	3	CLAY	.	56	%-BYWT	53.00
889	PHYSCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	WATERCON	.	56	%-BYWT	61.69
890	PHYSCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	SAND	.	56	%-BYWT	4.63
891	PHYSCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	SILT	.	56	%-BYWT	40.14
892	PHYSCHAR	XIF5427	870422	0	GRAB		0	3915238	7622427	1	CLAY	.	56	%-BYWT	55.03
893	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	WATERCON	.	56	%-BYWT	31.04
894	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	WATERCON	.	56	%-BYWT	22.34
895	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	WATERCON	.	56	%-BYWT	31.26
896	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	SAND	.	56	%-BYWT	88.16
897	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	SAND	.	56	%-BYWT	89.11
898	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	SAND	.	56	%-BYWT	61.54
899	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	SILT	.	56	%-BYWT	3.85
900	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	SILT	.	56	%-BYWT	3.66
901	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	SILT	.	56	%-BYWT	6.29
902	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	1	CLAY	.	56	%-BYWT	7.99
903	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	2	CLAY	.	56	%-BYWT	7.23
904	PHYSCHAR	XIF5501	870422	0	GRAB		0	3915253	7620087	3	CLAY	.	56	%-BYWT	12.17
905	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	WATERCON	99900004	56	%-BYWT	18.40
906	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	SAND	99900004	56	%-BYWT	92.33
907	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	SILT	99900004	56	%-BYWT	6.32
908	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	CLAY	99900004	56	%-BYWT	1.34
909	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	WATERCON	99906010	56	%-BYWT	18.15
910	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	SAND	99906010	56	%-BYWT	100.00
911	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	SILT	99906010	56	%-BYWT	0.00
912	PHYSCHAR	XIF5505	870421	0	CORES		0	3915241	7620329	1	CLAY	99906010	56	%-BYWT	0.00
913	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	WATERCON	.	56	%-BYWT	21.70
914	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	WATERCON	.	56	%-BYWT	25.00
915	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	WATERCON	.	56	%-BYWT	22.74
916	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	SAND	.	56	%-BYWT	95.56
917	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	SAND	.	56	%-BYWT	94.70
918	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	SAND	.	56	%-BYWT	94.35

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
919	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	SILT	.	56	%-BYWT	1.55
920	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	SILT	.	56	%-BYWT	2.37
921	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	SILT	.	56	%-BYWT	2.18
922	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	1	CLAY	.	56	%-BYWT	2.48
923	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	2	CLAY	.	56	%-BYWT	2.93
924	PHYSCHAR	XIF5505	870422	0	GRAB		0	3915241	7620329	3	CLAY	.	56	%-BYWT	3.43
925	PHYSCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	WATERCON	.	56	%-BYWT	46.09
926	PHYSCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	SAND	.	56	%-BYWT	46.20
927	PHYSCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	SILT	.	56	%-BYWT	26.36
928	PHYSCHAR	XIF5722	870422	0	GRAB		0	3915395	7622124	1	CLAY	.	56	%-BYWT	27.42
929	PHYSCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	WATERCON	.	56	%-BYWT	37.21
930	PHYSCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	SAND	.	56	%-BYWT	48.16
931	PHYSCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	SILT	.	56	%-BYWT	31.39
932	PHYSCHAR	XIF5805	870422	0	GRAB		0	3915463	7620312	1	CLAY	.	56	%-BYWT	20.45
933	PHYSCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	WATERCON	.	56	%-BYWT	61.34
934	PHYSCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	SAND	.	56	%-BYWT	3.53
935	PHYSCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	SILT	.	56	%-BYWT	41.18
936	PHYSCHAR	XIF5917	870422	0	GRAB		0	3915491	7621417	1	CLAY	.	56	%-BYWT	55.79
937	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99900004	56	%-BYWT	66.18
938	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99900004	56	%-BYWT	1.01
939	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99900004	56	%-BYWT	38.81
940	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99900004	56	%-BYWT	60.18
941	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99906010	56	%-BYWT	63.32
942	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99906010	56	%-BYWT	2.56
943	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99906010	56	%-BYWT	40.22
944	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99906010	56	%-BYWT	57.22
945	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99911015	56	%-BYWT	56.36
946	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99911015	56	%-BYWT	4.92
947	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99911015	56	%-BYWT	42.92
948	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99911015	56	%-BYWT	52.16
949	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99916020	56	%-BYWT	60.09
950	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99916020	56	%-BYWT	2.27
951	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99916020	56	%-BYWT	41.60
952	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99916020	56	%-BYWT	56.13
953	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99922026	56	%-BYWT	62.94
954	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99922026	56	%-BYWT	1.99
955	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99922026	56	%-BYWT	43.48
956	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99922026	56	%-BYWT	54.53
957	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99936040	56	%-BYWT	63.88
958	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99936040	56	%-BYWT	1.30
959	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99936040	56	%-BYWT	38.47
960	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99936040	56	%-BYWT	60.23
961	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99956060	56	%-BYWT	61.70
962	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99956060	56	%-BYWT	1.45
963	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99956060	56	%-BYWT	38.16
964	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99956060	56	%-BYWT	60.39
965	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99976080	56	%-BYWT	61.85
966	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99976080	56	%-BYWT	1.49
967	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99976080	56	%-BYWT	39.77
968	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99976080	56	%-BYWT	59.83
969	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	WATERCON	99994098	56	%-BYWT	60.30
970	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SAND	99994098	56	%-BYWT	1.81
971	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	SILT	99994098	56	%-BYWT	38.27
972	PHYSCHAR	XIF5925	870421	0	CORES		0	3915514	7622320	1	CLAY	99994098	56	%-BYWT	59.93

---------- MEDIACL=SEDIMENT ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REFCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
973	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	WATERCON	.	56	%-BYWT	62.43
974	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	WATERCON	.	56	%-BYWT	63.43
975	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	WATERCON	.	56	%-BYWT	61.96
976	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	SAND	.	56	%-BYWT	1.89
977	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	SAND	.	56	%-BYWT	1.90
978	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	SAND	.	56	%-BYWT	1.81
979	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	SILT	.	56	%-BYWT	35.77
980	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	SILT	.	56	%-BYWT	36.77
981	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	SILT	.	56	%-BYWT	38.02
982	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	1	CLAY	.	56	%-BYWT	62.34
983	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	2	CLAY	.	56	%-BYWT	59.33
984	PHYSCHAR	XIF5925	870422	0	GRAB		0	3915514	7622320	3	CLAY	.	56	%-BYWT	60.17
985	PHYSCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	WATERCON	.	56	%-BYWT	23.11
986	PHYSCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	SAND	.	56	%-BYWT	98.23
987	PHYSCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	SILT	.	56	%-BYWT	0.29
988	PHYSCHAR	XIF6008	870422	0	GRAB		0	3915586	7620491	1	CLAY	.	56	%-BYWT	1.47
989	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99900004	56	%-BYWT	62.32
990	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99900004	56	%-BYWT	3.63
991	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99900004	56	%-BYWT	35.89
992	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99900004	56	%-BYWT	56.48
993	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99905009	56	%-BYWT	60.10
994	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99905009	56	%-BYWT	2.61
995	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99905009	56	%-BYWT	42.44
996	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99905009	56	%-BYWT	54.95
997	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99910014	56	%-BYWT	62.30
998	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99910014	56	%-BYWT	2.14
999	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99910014	56	%-BYWT	41.50
1000	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99910014	56	%-BYWT	56.36
1001	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99920024	56	%-BYWT	56.00
1002	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99920024	56	%-BYWT	2.15
1003	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99920024	56	%-BYWT	43.32
1004	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99920024	56	%-BYWT	54.53
1005	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99930034	56	%-BYWT	57.45
1006	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99930034	56	%-BYWT	2.07
1007	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99930034	56	%-BYWT	36.41
1008	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99930034	56	%-BYWT	61.52
1009	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99936040	56	%-BYWT	56.10
1010	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99936040	56	%-BYWT	1.67
1011	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99936040	56	%-BYWT	36.58
1012	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99936040	56	%-BYWT	61.75
1013	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99948052	56	%-BYWT	59.16
1014	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99948052	56	%-BYWT	1.29
1015	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99948052	56	%-BYWT	39.72
1016	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99948052	56	%-BYWT	58.99
1017	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99956060	56	%-BYWT	61.60
1018	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99956060	56	%-BYWT	1.70
1019	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99956060	56	%-BYWT	41.12
1020	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99956060	56	%-BYWT	57.18
1021	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99962066	56	%-BYWT	59.73
1022	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99962066	56	%-BYWT	2.34
1023	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99962066	56	%-BYWT	37.69
1024	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99962066	56	%-BYWT	63.57
1025	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99972076	56	%-BYWT	61.69
1026	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99972076	56	%-BYWT	1.82

MEDIACL=SEDIMENT

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1027	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99972076	56	%-BYWT	39.65
1028	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99972076	56	%-BYWT	56.52
1029	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	WATERCON	99982086	56	%-BYWT	60.79
1030	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SAND	99982086	56	%-BYWT	2.42
1031	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	SILT	99982086	56	%-BYWT	39.71
1032	PHYSCHAR	XIF6388	870421	0	CORES		0	3915556	7619169	1	CLAY	99982086	56	%-BYWT	57.87
1033	PHYSCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	WATERCON	.	56	%-BYWT	64.93
1034	PHYSCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	SAND	.	56	%-BYWT	1.38
1035	PHYSCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	SILT	.	56	%-BYWT	44.63
1036	PHYSCHAR	XIF6407	870422	0	GRAB		0	3916195	7620410	1	CLAY	.	56	%-BYWT	53.99
1037	PHYSCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	WATERCON	.	56	%-BYWT	28.61
1038	PHYSCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	SAND	.	56	%-BYWT	83.18
1039	PHYSCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	SILT	.	56	%-BYWT	8.36
1040	PHYSCHAR	XIG7589	870422	0	GRAB		0	3917290	7618557	1	CLAY	.	56	%-BYWT	8.47

Output of Resource Monitoring
Data
Sixth Monitoring Year
Project III - Benthic Data

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1041	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1042	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1043	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	37
1044	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	41
1045	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	24
1046	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1047	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	GREEN WORM	64	COUNT	2
1048	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1049	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	PADDLE WORM	64	COUNT	1
1050	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	PADDLE WORM	64	COUNT	1
1051	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	5
1052	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	2
1053	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	2
1054	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1055	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
1056	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1057	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1058	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1059	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1060	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1061	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	9
1062	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	110
1063	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	237
1064	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	150
1065	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	MELITA NITIDA	64	COUNT	3
1066	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	2	NO-OF-IND	MELITA NITIDA	64	COUNT	4
1067	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	3	NO-OF-IND	MELITA NITIDA	64	COUNT	3
1068	BIOTA	XIF3325	861217	952	GRAB			3913170	7622300	1	NO-OF-IND	MUD CRAB	64	COUNT	1
1069	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1070	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	36
1071	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	22
1072	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	20
1073	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1074	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1075	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	CLAM WORM	64	COUNT	3
1076	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	GREEN WORM	64	COUNT	4
1077	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	GREEN WORM	64	COUNT	2
1078	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	GREEN WORM	64	COUNT	2
1079	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1080	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	2
1081	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	20
1082	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	23
1083	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	14
1084	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
1085	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1086	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1087	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	9
1088	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	5
1089	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	10
1090	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	CORORHIUM LACUSTRE	64	COUNT	2
1091	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	CORORHIUM LACUSTRE	64	COUNT	1
1092	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	70
1093	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	66
1094	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	61

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1095	BIOTA	XIF3325	870413	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1096	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1097	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	5
1098	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	16
1099	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	45
1100	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	34
1101	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	24
1102	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1103	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	GREEN WORM	64	COUNT	9
1104	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	GREEN WORM	64	COUNT	2
1105	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	GREEN WORM	64	COUNT	3
1106	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	PADDLE WORM	64	COUNT	2
1107	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	2
1108	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	1
1109	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	SCOLOPLOS FRAGILIS	64	COUNT	2
1110	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	17
1111	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	20
1112	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	22
1113	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	39
1114	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	62
1115	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	58
1116	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
1117	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	46
1118	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	43
1119	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	46
1120	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
1121	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	46
1122	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	52
1123	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	26
1124	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MELITA NITIDA	64	COUNT	6
1125	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	MELITA NITIDA	64	COUNT	6
1126	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	3	NO-OF-IND	MELITA NITIDA	64	COUNT	2
1127	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
1128	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
1129	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	1	NO-OF-IND	MUD CRAB	64	COUNT	1
1130	BIOTA	XIF3325	870824	1010	GRAB	E		3913170	7622300	2	NO-OF-IND	MUD CRAB	64	COUNT	1
1131	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	1
1132	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	1
1133	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	2
1134	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	2	NO-OF-IND	CLAM WORM	154	ESTDNSTY	2
1135	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	2
1136	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	2	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	2
1137	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1138	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1139	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1140	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1141	BIOTA	XIF3638	861218	1030	GRAB			3913370	7623470	1	NO-OF-IND	GAMMARUS DAIBERI	154	ESTDNSTY	1

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPLE METH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1142	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1143	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1144	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	1	NO-OF-IND	PELOSCOLEX SP	154	ESTDNSTY	2
1145	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	2	NO-OF-IND	PELOSCOLEX SP	154	ESTDNSTY	1
1146	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1147	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1148	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	2
1149	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1150	BIOTA	XIF3638	870414	845	GRAB			3913370	7623470	1	NO-OF-IND	GAMMARUS TIGRINUS	154	ESTDNSTY	3
1151	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	2
1152	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	1
1153	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	FLAT WORM	154	ESTDNSTY	3
1154	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	FLAT WORM	154	ESTDNSTY	3
1155	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1156	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	CLAM WORM	154	ESTDNSTY	2
1157	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	PADDLE WORM	154	ESTDNSTY	3
1158	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	2
1159	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	2
1160	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	PELOSCOLEX SP	154	ESTDNSTY	3
1161	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	PELOSCOLEX SP	154	ESTDNSTY	3
1162	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1163	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1164	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1165	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1166	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1167	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	MUD CRAB	154	ESTDNSTY	3
1168	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	MUD CRAB	154	ESTDNSTY	3
1169	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	1	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	1
1170	BIOTA	XIF3638	870825	831	GRAB	E		3913370	7623470	2	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	1
1171	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1172	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
1173	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	2
1174	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	12
1175	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1176	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1177	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	CLAM WORM	64	COUNT	1
1178	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	GREEN WORM	64	COUNT	2
1179	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	GREEN WORM	64	COUNT	1
1180	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1181	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1182	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1183	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1184	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1185	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1186	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1187	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	15
1188	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4

---------- MEDIACL=BIOTA ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	PERCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1189	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
1190	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	7
1191	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
1192	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1193	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
1194	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1195	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	24
1196	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	19
1197	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	21
1198	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	2
1199	BIOTA	XIF4124	861217	1023	GRAB			3914080	7622240	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
1200	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1201	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1202	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1203	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	8
1204	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	10
1205	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
1206	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	CLAM WORM	64	COUNT	5
1207	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	GREEN WORM	64	COUNT	17
1208	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	GREEN WORM	64	COUNT	6
1209	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	GREEN WORM	64	COUNT	3
1210	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1211	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	16
1212	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	17
1213	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	21
1214	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1215	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1216	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	7
1217	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	8
1218	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	8
1219	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	80
1220	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	62
1221	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	56
1222	BIOTA	XIF4124	870413	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1223	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	12
1224	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1225	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	36
1226	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	7
1227	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
1228	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	GREEN WORM	64	COUNT	4
1229	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	GREEN WORM	64	COUNT	2
1230	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	GREEN WORM	64	COUNT	0
1231	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	CAPITELLA CAPITATA	64	COUNT	15
1232	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	CAPITELLA CAPITATA	64	COUNT	4
1233	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	CAPITELLA CAPITATA	64	COUNT	10
1234	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	28
1235	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	STREPLOSPIO BENEDICTI	64	COUNT	21

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1236	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	9
1237	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	3
1238	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	PLATFORM MUSSEL	64	COUNT	1
1239	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1240	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	15
1241	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	4
1242	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	10
1243	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1244	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	76
1245	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	36
1246	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	11
1247	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
1248	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	1	NO-OF-IND	MUD CRAB	64	COUNT	5
1249	BIOTA	XIF4124	870824	1047	GRAB	E		3914080	7622240	2	NO-OF-IND	MUD CRAB	64	COUNT	1
1250	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1251	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1252	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1253	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	71
1254	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	51
1255	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	63
1256	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1257	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1258	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	CLAM WORM	64	COUNT	3
1259	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	GREEN WORM	64	COUNT	9
1260	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	GREEN WORM	64	COUNT	7
1261	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	GREEN WORM	64	COUNT	9
1262	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	PADDLE WORM	64	COUNT	6
1263	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	PADDLE WORM	64	COUNT	3
1264	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	PADDLE WORM	64	COUNT	17
1265	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	2
1266	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	6
1267	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1268	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	2
1269	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	27
1270	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	20
1271	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	61
1272	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1273	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
1274	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	11
1275	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	8
1276	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
1277	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	14
1278	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	CHIROODTEA ALMYRA	64	COUNT	1
1279	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	11
1280	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
1281	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	5
1282	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	43
1283	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	25
1284	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2[illegible]
1285	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	269
1286	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	257
1287	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	31[illegible]
1288	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1289	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	MELITA NITIDA	64	COUNT	1

VEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1290	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
1291	BIOTA	XIF4327	861217	1008	GRAB			3914170	7622410	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	2
1292	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1293	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1294	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1295	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	14
1296	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	24
1297	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	25
1298	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	CLAM WORM	64	COUNT	2
1299	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	GREEN WORM	64	COUNT	7
1300	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	GREEN WORM	64	COUNT	8
1301	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	GREEN WORM	64	COUNT	5
1302	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	PADDLE WORM	64	COUNT	2
1303	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	PADDLE WORM	64	COUNT	9
1304	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	73
1305	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	87
1306	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	73
1307	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1308	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	9
1309	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
1310	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	5
1311	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
1312	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	5
1313	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
1314	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	3
1315	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
1316	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	108
1317	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	104
1318	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	160
1319	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	MELITA NITIDA	64	COUNT	2
1320	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	MELITA NITIDA	64	COUNT	2
1321	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	2
1322	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
1323	BIOTA	XIF4327	870413	1036	GRAB	E		3914170	7622410	3	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
1324	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1325	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1326	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1327	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	21
1328	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	21
1329	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	19
1330	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1331	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	GREEN WORM	64	COUNT	9
1332	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	GREEN WORM	64	COUNT	11
1333	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	GREEN WORM	64	COUNT	7
1334	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1335	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	9
1336	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	31

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1337	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
1338	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
1339	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	9
1340	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	19
1341	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	27
1342	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	20
1343	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	28
1344	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	40
1345	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	0
1346	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
1347	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
1348	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	31
1349	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	25
1350	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	29
1351	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	6
1352	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	6
1353	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	10
1354	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
1355	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	1	NO-OF-IND	MUD CRAB	64	COUNT	2
1356	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	2	NO-OF-IND	MUD CRAB	64	COUNT	2
1357	BIOTA	XIF4327	870824	1022	GRAB	E		3914170	7622410	3	NO-OF-IND	MUD CRAB	64	COUNT	1
1358	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1359	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1360	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	25
1361	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	13
1362	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
1363	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	CLAM WORM	64	COUNT	2
1364	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	CLAM WORM	64	COUNT	62
1365	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	3	NO-OF-IND	CLAM WORM	64	COUNT	11
1366	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	GREEN WORM	64	COUNT	1
1367	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	2
1368	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	3
1369	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	10
1370	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	PLATFORM MUSSEL	64	COUNT	1
1371	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	4
1372	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
1373	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1374	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	BARNACLE	64	COUNT	3
1375	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	BARNACLE	64	COUNT	2
1376	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
1377	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	10
1378	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	13
1379	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
1380	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	37
1381	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	9
1382	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	4
1383	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	76
1384	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	0
1385	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	2
1386	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	GAMMARUS TIGRINUS	64	COUNT	1
1387	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1388	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1389	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	MUD CRAB	64	COUNT	15
1390	BIOTA	XIF4420	861217	1035	GRAB	E		3914230	7622000	2	NO-OF-IND	MUD CRAB	64	COUNT	7

---------- MEDIACL=BIOTA ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1391	BIOTA	XIF4420	661217	1035	GRAB	E		3914230	7622000	1	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
1392	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1393	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1394	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	15
1395	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	10
1396	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	7
1397	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	CLAM WORM	64	COUNT	2
1398	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1399	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	GREEN WORM	64	COUNT	5
1400	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	GREEN WORM	64	COUNT	6
1401	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	GREEN WORM	64	COUNT	4
1402	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1403	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	103
1404	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	70
1405	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	11
1406	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	22
1407	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	13
1408	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	7
1409	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	5
1410	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1411	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1412	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
1413	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
1414	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
1415	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	7
1416	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	85
1417	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	127
1418	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	31
1419	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	MELITA NITIDA	64	COUNT	2
1420	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	GAMMARUS DAIBERI	64	COUNT	1
1421	BIOTA	XIF4420	870413	1104	GRAB	E		3914230	7622000	1	NO-OF-IND	MUD CRAB	64	COUNT	2
1422	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	6
1423	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	9
1424	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	13
1425	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	12
1426	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	29
1427	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	43
1428	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1429	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	GREEN WORM	64	COUNT	8
1430	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	GREEN WORM	64	COUNT	8
1431	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	GREEN WORM	64	COUNT	1
1432	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	PADDLE WORM	64	COUNT	7
1433	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	PADDLE WORM	64	COUNT	5
1434	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	4
1435	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	25
1436	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	193
1437	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	1

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1438	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	5
1439	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	PELOSCOLEX SP	64	COUNT	115
1440	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
1441	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	50
1442	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	71
1443	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	13
1444	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	33
1445	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	46
1446	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	8
1447	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1448	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	13
1449	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	22
1450	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	28
1451	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1452	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	GAMMARUS PALUSTRIS	64	COUNT	1
1453	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
1454	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
1455	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	1	NO-OF-IND	MUD CRAB	64	COUNT	6
1456	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	2	NO-OF-IND	MUD CRAB	64	COUNT	4
1457	BIOTA	XIF4420	870824	1116	GRAB	E		3914230	7621000	3	NO-OF-IND	MUD CRAB	64	COUNT	1
1458	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1459	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1460	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1461	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	2	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1462	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	3
1463	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	2	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	3
1464	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1465	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	2	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1466	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1467	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1468	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	3
1469	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1470	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	3
1471	BIOTA	XIF4514	861218	943	GRAB			3914320	7621230	1	NO-OF-IND	MEMBRANIPORA TENUIS	154	ESTDNSTY	3
1472	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1473	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1474	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1475	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	2	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1476	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	GREEN WORM	154	ESTDNSTY	3
1477	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1478	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1479	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1480	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	2
1481	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1482	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	GAMMARUS TIGRINUS	154	ESTDNSTY	3
1483	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	GAMMARUS DAIBERI	154	ESTDNSTY	3
1484	BIOTA	XIF4514	870414	932	GRAB	E		3914320	7621230	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	3

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1485	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	2
1486	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	3
1487	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	CLAM WORM	154	ESTONSTY	3
1488	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	CLAM WORM	154	ESTONSTY	2
1489	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	POLYDORA LIGNI	154	ESTONSTY	3
1490	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	POLYDORA LIGNI	154	ESTONSTY	2
1491	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	BARNACLE	154	ESTONSTY	3
1492	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	BARNACLE	154	ESTONSTY	3
1493	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	1
1494	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	1
1495	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	MUD CRAB	154	ESTONSTY	3
1496	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	MUD CRAB	154	ESTONSTY	3
1497	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	1	NO-OF-IND	VICTORELLA PAVIDA	154	ESTONSTY	2
1498	BIOTA	XIF4514	870825	911	GRAB	E		3914320	7621230	2	NO-OF-IND	VICTORELLA PAVIDA	154	ESTONSTY	2
1499	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	3
1500	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	CLAM WORM	154	ESTONSTY	3
1501	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	POLYDORA LIGNI	154	ESTONSTY	3
1502	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	BARNACLE	154	ESTONSTY	3
1503	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	WHITE BARNACLE	154	ESTONSTY	3
1504	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	2	NO-OF-IND	WHITE BARNACLE	154	ESTONSTY	3
1505	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	3
1506	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	1
1507	BIOTA	XIF4518	861218	1001	GRAB			3914280	7621500	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTONSTY	3
1508	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	3
1509	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	3
1510	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	CLAM WORM	154	ESTONSTY	2
1511	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	GREEN WORM	154	ESTONSTY	3
1512	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	PELOSCOLEX SP	154	ESTONSTY	1
1513	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	2	NO-OF-IND	PELOSCOLEX SP	154	ESTONSTY	1
1514	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	WHITE BARNACLE	154	ESTONSTY	2
1515	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	2	NO-OF-IND	WHITE BARNACLE	154	ESTONSTY	2
1516	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	1
1517	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	1
1518	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	GAMMARUS TIGRINUS	154	ESTONSTY	3
1519	BIOTA	XIF4518	870414	909	GRAB			3914280	7621500	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTONSTY	3
1520	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	2
1521	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTONSTY	2
1522	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	CLAM WORM	154	ESTONSTY	3
1523	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	CLAM WORM	154	ESTONSTY	3
1524	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	BARNACLE	154	ESTONSTY	2
1525	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	BARNACLE	154	ESTONSTY	3
1526	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	WHITE BARNACLE	154	ESTONSTY	3
1527	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	WHITE BARNACLE	154	ESTONSTY	3
1528	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	2
1529	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTONSTY	1
1530	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	MUD CRAB	154	ESTONSTY	2
1531	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	MUD CRAB	154	ESTONSTY	2

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1532	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	1	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	1
1533	BIOTA	XIF4518	870825	849	GRAB	E		3914280	7621500	2	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	1
1534	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1535	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	24
1536	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	18
1537	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	23
1538	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	CLAM WORM	64	COUNT	2
1539	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	CLAM WORM	64	COUNT	2
1540	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	CLAM WORM	64	COUNT	2
1541	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	GREEN WORM	64	COUNT	8
1542	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	GREEN WORM	64	COUNT	11
1543	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	GREEN WORM	64	COUNT	4
1544	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1545	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	PADDLE WORM	64	COUNT	1
1546	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
1547	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
1548	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	8
1549	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	3
1550	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
1551	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
1552	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
1553	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	8
1554	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	7
1555	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	5
1556	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
1557	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1558	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	19
1559	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	15
1560	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	23
1561	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1562	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	2	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1563	BIOTA	XIF4715	861217	1045	GRAB	E		3914400	7621280	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	3
1564	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1565	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1566	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	12
1567	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	16
1568	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1569	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	GREEN WORM	64	COUNT	16
1570	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	GREEN WORM	64	COUNT	31
1571	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	PADDLE WORM	64	COUNT	4
1572	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1573	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	17
1574	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	54
1575	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	17
1576	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1577	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1578	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	6

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1579	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
1580	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1581	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	65
1582	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	30
1583	BIOTA	XIF4715	870413	1118	GRAB	E		3914400	7621280	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1584	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1585	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1586	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	37
1587	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	20
1588	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
1589	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1590	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1591	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	GREEN WORM	64	COUNT	1
1592	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	GREEN WORM	64	COUNT	1
1593	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	3	NO-OF-IND	GREEN WORM	64	COUNT	7
1594	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1595	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	3
1596	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1597	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	2
1598	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
1599	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	404
1600	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	269
1601	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1602	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	4
1603	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
1604	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	24
1605	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
1606	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	8
1607	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	1	NO-OF-IND	MUD CRAB	64	COUNT	9
1608	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	2	NO-OF-IND	MUD CRAB	64	COUNT	3
1609	BIOTA	XIF4715	870824	1128	GRAB	E		3914400	7621280	3	NO-OF-IND	MUD CRAB	64	COUNT	0
1610	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1611	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1612	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1613	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	10
1614	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	16
1615	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	10
1616	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1617	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1618	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	GREEN WORM	64	COUNT	22
1619	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	GREEN WORM	64	COUNT	8
1620	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	GREEN WORM	64	COUNT	17
1621	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	2
1622	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	14
1623	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	4
1624	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1625	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1626	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
1627	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
1628	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	BARNACLE	64	COUNT	2
1629	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	8
1630	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	7
1631	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1632	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1633	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1634	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	3
1635	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1636	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	54
1637	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	7
1638	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	26
1639	BIOTA	XIF4811	861217	1118	GRAB	E		3914500	7621070	1	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
1640	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1641	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1642	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1643	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	GREEN WORM	154	ESTDNSTY	3
1644	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	1
1645	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	2
1646	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	2
1647	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	3
1648	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1649	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	GAMMARUS TIGRINUS	154	ESTDNSTY	3
1650	BIOTA	XIF4811	861218	846	GRAB			3914490	7621070	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	2
1651	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
1652	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1653	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
1654	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1655	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	GREEN WORM	64	COUNT	1
1656	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	2	NO-OF-IND	GREEN WORM	64	COUNT	19
1657	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	3	NO-OF-IND	GREEN WORM	64	COUNT	14
1658	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	4
1659	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	12
1660	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
1661	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1662	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
1663	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1664	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1665	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
1666	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	3
1667	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	69
1668	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	4
1669	BIOTA	XIF4811	870413	1134	GRAB	E		3914500	7621070	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	21
1670	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1671	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1672	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1673	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	GREEN WORM	154	ESTDNSTY	3
1674	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	2	NO-OF-IND	GREEN WORM	154	ESTDNSTY	3
1675	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	2
1676	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	2
1677	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1678	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1679	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	GAMMARUS DAIBERI	154	ESTDNSTY	2

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1680	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	3
1681	BIOTA	XIF4811	870414	1004	GRAB	E		3914490	7621070	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	5
1682	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	2
1683	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	2
1684	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1685	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1686	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1687	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	MUD CRAB	154	ESTDNSTY	3
1688	BIOTA	XIF4811	870824	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	2
1689	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1690	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	9
1691	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	6
1692	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	21
1693	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	45
1694	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	59
1695	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	CLAM WORM	64	COUNT	3
1696	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	GREEN WORM	64	COUNT	18
1697	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	GREEN WORM	64	COUNT	27
1698	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	GREEN WORM	64	COUNT	27
1699	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1700	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	16
1701	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	15
1702	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	53
1703	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
1704	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
1705	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	PELOSCOLEX SP	64	COUNT	28
1706	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	43
1707	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	17
1708	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1709	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	10
1710	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	0
1711	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	5
1712	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1713	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	0
1714	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	7
1715	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	26
1716	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	26
1717	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	99
1718	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
1719	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
1720	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
1721	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
1722	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	1	NO-OF-IND	MUD CRAB	64	COUNT	19
1723	BIOTA	XIF4811	870824	1140	GRAB	E		3915500	7621070	2	NO-OF-IND	MUD CRAB	64	COUNT	2
1724	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	2
1725	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	FLAT WORM	154	ESTDNSTY	2
1726	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	2

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1727	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1728	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	1
1729	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1730	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	MUD CRAB	154	ESTDNSTY	3
1731	BIOTA	XIF4811	870825	1008	GRAB	E		3914490	7621070	1	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	2
1732	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1733	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	2
1734	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	3
1735	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	2	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	3
1736	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	2
1737	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	2
1738	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	3
1739	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1740	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	2
1741	BIOTA	XIF4813	861218	907	GRAB			3914460	7621160	1	NO-OF-IND	MEMBRANIPORA TENUIS	154	ESTDNSTY	3
1742	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1743	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	3
1744	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1745	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	2	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1746	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	GREEN WORM	154	ESTDNSTY	3
1747	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1748	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1749	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1750	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	2
1751	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1752	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	3
1753	BIOTA	XIF4813	870414	945	GRAB			3914460	7621160	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	154	ESTDNSTY	3
1754	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	2
1755	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	2	NO-OF-IND	CORDYLOPHORA CASPIA	154	ESTDNSTY	1
1756	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	FLAT WORM	154	ESTDNSTY	3
1757	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1758	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	2	NO-OF-IND	CLAM WORM	154	ESTDNSTY	3
1759	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	POLYDORA LIGNI	154	ESTDNSTY	3
1760	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	ISCHADIUM RECURVUM	154	ESTDNSTY	3
1761	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	PLATFORM MUSSEL	154	ESTDNSTY	3
1762	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	BARNACLE	154	ESTDNSTY	2
1763	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	2	NO-OF-IND	BARNACLE	154	ESTDNSTY	3
1764	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	3
1765	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	2	NO-OF-IND	WHITE BARNACLE	154	ESTDNSTY	2
1766	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	1
1767	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	2	NO-OF-IND	COROPHIUM LACUSTRE	154	ESTDNSTY	3
1768	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	MUD CRAB	154	ESTDNSTY	3
1769	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	2	NO-OF-IND	MUD CRAB	154	ESTDNSTY	3
1770	BIOTA	XIF4813	870825	947	GRAB	E		3914460	7621160	1	NO-OF-IND	VICTORELLA PAVIDA	154	ESTDNSTY	2
1771	BIOTA	XIF5145	861217	1548	GRAB	E		3914390	7623550	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
1772	BIOTA	XIF5145	861217	1548	GRAB	E		3914390	7623550	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1773	BIOTA	XIF5145	861217	1548	GRAB	E		3914390	7623550	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2

MEDIACL=BIOTA

Green Worm:
research info found
in Lippson
green ribbon worm
See Species_Code.xls

Paddle Worms
See Polychaetes
Paddle-footed worms

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	W	LAT	LON	REP	SPECIES	METHOD	UNITS	VALUE
1774	BIOTA	XIF5145	861217	1548	GRA					HETEROMASTUS FILIFORMIS	64	COUNT	4
1775	BIOTA	XIF5145	861217	1548	GRA					HETEROMASTUS FILIFORMIS	64	COUNT	6
1776	BIOTA	XIF5145	861217	1548	GR/					HETEROMASTUS FILIFORMIS	64	COUNT	7
1777	BIOTA	XIF5145	861217	1548	GR					CLAM WORM	64	COUNT	2
1778	BIOTA	XIF5145	861217	1548	GR					CLAM WORM	64	COUNT	1
1779	BIOTA	XIF5145	861217	1548	GR					CLAM WORM	64	COUNT	1
1780	BIOTA	XIF5145	861217	1548	GR					GREEN WORM	64	COUNT	2
1781	BIOTA	XIF5145	861217	1548	GR					GREEN WORM	64	COUNT	1
1782	BIOTA	XIF5145	861217	1548	GR					PADDLE WORM	64	COUNT	39
1783	BIOTA	XIF5145	861217	1548	GR					PADDLE WORM	64	COUNT	31
1784	BIOTA	XIF5145	861217	1548	GR					PADDLE WORM	64	COUNT	24
1785	BIOTA	XIF5145	861217	1548	GR					STREBLOSPIO BENEDICTI	64	COUNT	13
1786	BIOTA	XIF5145	861217	1548	GR					STREBLOSPIO BENEDICTI	64	COUNT	3
1787	BIOTA	XIF5145	861217	1548	GF					BRACKISH WATER CLAM	64	COUNT	8
1788	BIOTA	XIF5145	861217	1548	GF					BRACKISH WATER CLAM	64	COUNT	4
1789	BIOTA	XIF5145	861217	1548	GF					BRACKISH WATER CLAM	64	COUNT	5
1790	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND BALTHIC CLAM	64	COUNT	28
1791	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND BALTHIC CLAM	64	COUNT	37
1792	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND BALTHIC CLAM	64	COUNT	31
1793	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND MITCHELLS CLAM	64	COUNT	6
1794	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND MITCHELLS CLAM	64	COUNT	12
1795	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND MITCHELLS CLAM	64	COUNT	11
1796	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND CYATHURA POLITA	64	COUNT	3
1797	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND CYATHURA POLITA	64	COUNT	1
1798	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND CYATHURA POLITA	64	COUNT	4
1799	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND EDOTEA TRILOBA	64	COUNT	4
1800	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND EDOTEA TRILOBA	64	COUNT	9
1801	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND EDOTEA TRILOBA	64	COUNT	6
1802	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND COROPHIUM LACUSTRE	64	COUNT	9
1803	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND COROPHIUM LACUSTRE	64	COUNT	1
1804	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND COROPHIUM LACUSTRE	64	COUNT	3
1805	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND LEPTOCHEIRUS PLUMULOSUS	64	COUNT	155
1806	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND LEPTOCHEIRUS PLUMULOSUS	64	COUNT	66
1807	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND LEPTOCHEIRUS PLUMULOSUS	64	COUNT	100
1808	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND GAMMARUS TIGRINUS	64	COUNT	1
1809	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND MELITA NITIDA	64	COUNT	11
1810	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND MELITA NITIDA	64	COUNT	3
1811	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND MELITA NITIDA	64	COUNT	4
1812	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	1	NO-OF-IND UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	3
1813	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	2	NO-OF-IND UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	4
1814	BIOTA	XIF5145	861217	1548	GRAB	E	3914390	7623550	3	NO-OF-IND UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	3
1815	BIOTA	XIF5145	870413	1706	GRAB	E	3914390	7623550	1	NO-OF-IND MICRURA LEIDYI	64	COUNT	1
1816	BIOTA	XIF5145	870413	1706	GRAB	E	3914390	7623550	2	NO-OF-IND MICRURA LEIDYI	64	COUNT	1
1817	BIOTA	XIF5145	870413	1706	GRAB	E	3914390	7623550	1	NO-OF-IND HETEROMASTUS FILIFORMIS	64	COUNT	5
1818	BIOTA	XIF5145	870413	1706	GRAB	E	3914390	7623550	2	NO-OF-IND HETEROMASTUS FILIFORMIS	64	COUNT	9
1819	BIOTA	XIF5145	870413	1706	GRAB	E	3914390	7623550	3	NO-OF-IND HETEROMASTUS FILIFORMIS	64	COUNT	13
1820	BIOTA	XIF5145	870413	1706	GRAB	E	3914390	7623550	1	NO-OF-IND CLAM WORM	64	COUNT	2

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1821	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	CLAM WORM	64	COUNT	3
1822	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	GREEN WORM	64	COUNT	25
1823	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	GREEN WORM	64	COUNT	24
1824	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	GREEN WORM	64	COUNT	5
1825	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	PADDLE WORM	64	COUNT	12
1826	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	PADDLE WORM	64	COUNT	6
1827	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	PADDLE WORM	64	COUNT	7
1828	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	24
1829	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	132
1830	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	PELOSCOLEX SP	64	COUNT	26
1831	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	20
1832	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	12
1833	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	35
1834	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1835	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
1836	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	4
1837	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
1838	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
1839	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
1840	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
1841	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	87
1842	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	82
1843	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	95
1844	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
1845	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	MELITA NITIDA	64	COUNT	3
1846	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	2
1847	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	4
1848	BIOTA	XIF5145	870413	1706	GRAB	E		3914390	7623550	3	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	7
1849	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	17
1850	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	19
1851	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	21
1852	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	31
1853	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	30
1854	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	30
1855	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	CLAM WORM	64	COUNT	5
1856	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	CLAM WORM	64	COUNT	14
1857	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	CLAM WORM	64	COUNT	12
1858	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	GREEN WORM	64	COUNT	3
1859	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	GREEN WORM	64	COUNT	2
1860	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	GREEN WORM	64	COUNT	2
1861	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	255
1862	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	252
1863	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	316
1864	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	HYPANIOLA GRAYI	64	COUNT	3
1865	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	144
1866	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	316
1867	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	PELOSCOLEX SP	64	COUNT	315

---------- MEDIACL=BIOTA ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1868	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	4
1869	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	2
1870	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	4
1871	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	3
1872	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1873	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1874	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
1875	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	9
1876	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	21
1877	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	13
1878	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	CHIROOOTEA ALMYRA	64	COUNT	1
1879	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
1880	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	4
1881	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	6
1882	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	29
1883	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	42
1884	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	34
1885	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	GAMMARUS TIGRINUS	64	COUNT	1
1886	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	GAMMARUS TIGRINUS	64	COUNT	2
1887	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	1	NO-OF-IND	MELITA NITIDA	64	COUNT	3
1888	BIOTA	XIF5145	870824	1427	GRAB	E		3914390	7623550	2	NO-OF-IND	MELITA NITIDA	64	COUNT	4
1889	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1890	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1891	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	2
1892	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	5
1893	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
1894	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1895	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	GREEN WORM	64	COUNT	22
1896	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	GREEN WORM	64	COUNT	22
1897	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	GREEN WORM	64	COUNT	20
1898	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
1899	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	PADDLE WORM	64	COUNT	2
1900	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1901	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	PLATFORM MUSSEL	64	COUNT	1
1902	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
1903	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
1904	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	2
1905	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1906	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1907	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1908	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
1909	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	7
1910	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
1911	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	9
1912	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
1913	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
1914	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	1
1915	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
1916	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	6
1917	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1918	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	12
1919	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	57
1920	BIOTA	XIF5297	861217	1210	GRAB	E		3915330	7619530	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	50
1921	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1922	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	2
1923	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	5
1924	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	CLAM WORM	64	COUNT	22
1925	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	CLAM WORM	64	COUNT	20
1926	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	CLAM WORM	64	COUNT	23
1927	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	GREEN WORM	64	COUNT	16
1928	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	GREEN WORM	64	COUNT	29
1929	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	GREEN WORM	64	COUNT	22
1930	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	PLATFORM MUSSEL	64	COUNT	1
1931	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
1932	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1933	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1934	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	BARNACLE	64	COUNT	17
1935	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	BARNACLE	64	COUNT	53
1936	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	BARNACLE	64	COUNT	30
1937	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
1938	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
1939	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
1940	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	1
1941	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1942	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
1943	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
1944	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
1945	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	GAMMARUS TIGRINUS	64	COUNT	1
1946	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	MELITA NITIDA	64	COUNT	11
1947	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	MELITA NITIDA	64	COUNT	12
1948	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	MELITA NITIDA	64	COUNT	6
1949	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	MUD CRAB	64	COUNT	3
1950	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	MUD CRAB	64	COUNT	9
1951	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	MUD CRAB	64	COUNT	18
1952	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	1	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
1953	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	2	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	2
1954	BIOTA	XIF5297	870413	1424	GRAB	E		3915330	7619530	3	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
1955	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	7
1956	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	6
1957	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
1958	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	15
1959	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	15
1960	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	9
1961	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	CLAM WORM	64	COUNT	1
1962	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	CLAM WORM	64	COUNT	1
1963	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	3	NO-OF-IND	CLAM WORM	64	COUNT	1
1964	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	GREEN WORM	64	COUNT	10
1965	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	GREEN WORM	64	COUNT	11
1966	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	3	NO-OF-IND	GREEN WORM	64	COUNT	12
1967	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1968	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	2

---------- MEDIACL=BIOTA ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
1969	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	111
1970	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	206
1971	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	35
1972	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	6
1973	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	4
1974	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
1975	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	11
1976	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	17
1977	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	16
1978	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	2
1979	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
1980	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
1981	BIOTA	XIF5297	870824	1206	GRAB	E		3915330	7619530	1	NO-OF-IND	MUD CRAB	64	COUNT	4
1982	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
1983	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	CLAM WORM	64	COUNT	6
1984	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	CLAM WORM	64	COUNT	10
1985	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	3	NO-OF-IND	CLAM WORM	64	COUNT	11
1986	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	GREEN WORM	64	COUNT	1
1987	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	GREEN WORM	64	COUNT	1
1988	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
1989	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	1
1990	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	1
1991	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
1992	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	BARNACLE	64	COUNT	143
1993	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	BARNACLE	64	COUNT	155
1994	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	3	NO-OF-IND	BARNACLE	64	COUNT	130
1995	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	WHITE BARNACLE	64	COUNT	1
1996	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	3
1997	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	10
1998	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	3	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	7
1999	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
2000	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
2001	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	MELITA NITIDA	64	COUNT	5
2002	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2003	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	3	NO-OF-IND	MELITA NITIDA	64	COUNT	3
2004	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	MUD CRAB	64	COUNT	3
2005	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	MUD CRAB	64	COUNT	3
2006	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	3	NO-OF-IND	MUD CRAB	64	COUNT	7
2007	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	1	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	1
2008	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	2	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	2
2009	BIOTA	XIF5406	861217	1146	GRAB	E		3915250	7620350	3	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	2
2010	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
2011	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	5
2012	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2013	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	CLAM WORM	64	COUNT	15
2014	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	CLAM WORM	64	COUNT	22
2015	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	3	NO-OF-IND	CLAM WORM	64	COUNT	22

---------- MEDIACL=BIOTA ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2016	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	GREEN WORM	64	COUNT	32
2017	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	GREEN WORM	64	COUNT	9
2018	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	3	NO-OF-IND	GREEN WORM	64	COUNT	8
2019	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	2
2020	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	3
2021	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2022	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2023	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2024	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2025	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2026	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	BARNACLE	64	COUNT	46
2027	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	BARNACLE	64	COUNT	151
2028	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	3	NO-OF-IND	BARNACLE	64	COUNT	140
2029	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
2030	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
2031	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	2
2032	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	1
2033	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
2034	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
2035	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
2036	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
2037	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	MELITA NITIDA	64	COUNT	5
2038	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	MELITA NITIDA	64	COUNT	3
2039	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	3	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2040	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	MUD CRAB	64	COUNT	6
2041	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	MUD CRAB	64	COUNT	6
2042	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	3	NO-OF-IND	MUD CRAB	64	COUNT	25
2043	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	1	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
2044	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	2	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
2045	BIOTA	XIF5406	870413	1147	GRAB	E		3915250	7620350	3	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTDNSTY	3
2046	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
2047	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	2
2048	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2049	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	9
2050	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	CLAM WORM	64	COUNT	6
2051	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	2	NO-OF-IND	CLAM WORM	64	COUNT	6
2052	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	3	NO-OF-IND	CLAM WORM	64	COUNT	12
2053	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
2054	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	1
2055	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	7
2056	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	2	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	6
2057	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	3	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	3
2058	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	BARNACLE	64	COUNT	103
2059	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	2	NO-OF-IND	BARNACLE	64	COUNT	125
2060	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	3	NO-OF-IND	BARNACLE	64	COUNT	86
2061	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
2062	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	MELITA NITIDA	64	COUNT	2

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2063	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	2	NO-OF-IND	MELITA NITIDA	64	COUNT	3
2064	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	3	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2065	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	1	NO-OF-IND	MUD CRAB	64	COUNT	14
2066	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	2	NO-OF-IND	MUD CRAB	64	COUNT	22
2067	BIOTA	XIF5406	870824	1152	GRAB	E		3915250	7620350	3	NO-OF-IND	MUD CRAB	64	COUNT	36
2068	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
2069	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	GREEN WORM	64	COUNT	2
2070	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	2	NO-OF-IND	GREEN WORM	64	COUNT	13
2071	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	3	NO-OF-IND	GREEN WORM	64	COUNT	10
2072	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
2073	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2074	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
2075	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2076	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
2077	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	CHIRODOTEA ALMYRA	64	COUNT	1
2078	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	2
2079	BIOTA	XIF5710	861217	1317	GRAB	E		3915390	7620570	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	3
2080	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	6
2081	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
2082	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	GREEN WORM	64	COUNT	140
2083	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	2	NO-OF-IND	GREEN WORM	64	COUNT	169
2084	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	3	NO-OF-IND	GREEN WORM	64	COUNT	74
2085	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2086	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2087	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
2088	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	BARNACLE	64	COUNT	1
2089	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	1
2090	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
2091	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
2092	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	8
2093	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	6
2094	BIOTA	XIF5710	870413	1323	GRAB	E		3915390	7620570	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	2
2095	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2096	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2097	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2098	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	GREEN WORM	64	COUNT	15
2099	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	GREEN WORM	64	COUNT	5
2100	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	GREEN WORM	64	COUNT	12
2101	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
2102	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	4
2103	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	11
2104	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	16
2105	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	7
2106	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	10
2107	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	11
2108	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2109	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	21
2110	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	15
2111	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	16
2112	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	2
2113	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
2114	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	35
2115	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	20
2116	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	26

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2117	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
2118	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	2	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
2119	BIOTA	XIF5710	870824	1220	GRAB	E		3915390	7620570	3	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
2120	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
2121	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
2122	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
2123	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	CLAM WORM	64	COUNT	1
2124	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	GREEN WORM	64	COUNT	1
2125	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	2	NO-OF-IND	GREEN WORM	64	COUNT	1
2126	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	6
2127	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	8
2128	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	6
2129	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2130	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	8
2131	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2132	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	1
2133	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	1
2134	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
2135	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	15
2136	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	29
2137	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	20
2138	BIOTA	XIF6388	861217	1333	GRAB	E		3916150	7620500	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
2139	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
2140	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
2141	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
2142	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2143	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	GREEN WORM	64	COUNT	13
2144	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	GREEN WORM	64	COUNT	20
2145	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	3	NO-OF-IND	GREEN WORM	64	COUNT	10
2146	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	PLATFORM MUSSEL	64	COUNT	2
2147	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	20
2148	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	16
2149	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	8
2150	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	3
2151	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
2152	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	4
2153	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2154	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
2155	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
2156	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	1
2157	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
2158	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
2159	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	27
2160	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	14
2161	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	44
2162	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2163	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	2	NO-OF-IND	MELITA NITIDA	64	COUNT	1

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2164	BIOTA	XIF6388	870413	1416	GRAB	E		3916150	7620500	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
2165	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	4
2166	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	4
2167	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
2168	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	7
2169	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	5
2170	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	CLAM WORM	64	COUNT	1
2171	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	CLAM WORM	64	COUNT	1
2172	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	CLAM WORM	64	COUNT	1
2173	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	GREEN WORM	64	COUNT	16
2174	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	GREEN WORM	64	COUNT	22
2175	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	GREEN WORM	64	COUNT	10
2176	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
2177	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	2
2178	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	86
2179	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	82
2180	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	76
2181	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
2182	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	5
2183	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2184	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
2185	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	5
2186	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
2187	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	12
2188	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	17
2189	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	15
2190	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
2191	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2192	BIOTA	XIF6388	870824	1232	GRAB	E		3916150	7620500	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
2193	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
2194	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	CLAM WORM	64	COUNT	4
2195	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	GREEN WORM	64	COUNT	1
2196	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	PLATFORM MUSSEL	64	COUNT	1
2197	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2198	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2199	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
2200	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
2201	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	BARNACLE	64	COUNT	2
2202	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	2	NO-OF-IND	BARNACLE	64	COUNT	1
2203	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
2204	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	1
2205	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	CASSIDINIDEA LUNIFRONS	64	COUNT	1
2206	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
2207	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2208	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	MUD CRAB	64	COUNT	4
2209	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	2	NO-OF-IND	MUD CRAB	64	COUNT	1
2210	BIOTA	XIG5405	861217	1136	GRAB	E		3915230	7620280	1	NO-OF-IND	MEMBRANIPORA TENUIS	64	ESTCNSTY	2

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2211	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	3
2212	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	CLAM WORM	64	COUNT	4
2213	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	GREEN WORM	64	COUNT	1
2214	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2215	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	5
2216	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
2217	BIOTA	XIG5405	861217	1137	GRAB	E		3915230	7620280	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	10
2218	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
2219	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	10
2220	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	16
2221	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4
2222	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	CLAM WORM	64	COUNT	1
2223	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	CLAM WORM	64	COUNT	7
2224	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	CLAM WORM	64	COUNT	2
2225	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	GREEN WORM	64	COUNT	127
2226	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	GREEN WORM	64	COUNT	151
2227	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	GREEN WORM	64	COUNT	71
2228	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	2
2229	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	1
2230	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	8
2231	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	3
2232	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
2233	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
2234	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
2235	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	1
2236	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	11
2237	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	9
2238	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	6
2239	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
2240	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	28
2241	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	13
2242	BIOTA	XIG5405	870413	1200	GRAB	E		3915230	7620280	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	19
2243	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	5
2244	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	3
2245	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
2246	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	HETEROMASTUS FILIFOPMIS	64	COUNT	33
2247	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	45
2248	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	7
2249	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	CLAM WORM	64	COUNT	1
2250	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	CLAM WORM	64	COUNT	4
2251	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	GREEN WORM	64	COUNT	17
2252	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	GREEN WORM	64	COUNT	22
2253	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	GREEN WORM	64	COUNT	8
2254	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	STREPLOSPIO BENEDICTI	64	COUNT	28
2255	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	29
2256	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	1
2257	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
2258	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	PELOSCOLEX SP	64	COUNT	4
2259	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	PELOSCOLEX SP	64	COUNT	3
2260	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	ISCHADIUM RECURVUM	64	COUNT	1
2261	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	3
2262	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2263	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	2
2264	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	BARNACLE	64	COUNT	1[illegible]

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	EFFCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2265	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	BARNACLE	64	COUNT	3
2266	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	BARNACLE	64	COUNT	95
2267	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	7
2268	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	27
2269	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
2270	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
2271	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1
2272	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	MELITA NITIDA	64	COUNT	2
2273	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	MELITA NITIDA	64	COUNT	1
2274	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	2
2275	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	1
2276	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	1	NO-OF-IND	MUD CRAB	64	COUNT	9
2277	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	2	NO-OF-IND	MUD CRAB	64	COUNT	1
2278	BIOTA	XIG5405	870824	1153	GRAB	E		3915230	7620280	3	NO-OF-IND	MUD CRAB	64	COUNT	10
2279	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	5
2280	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	1
2281	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	2
2282	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	CLAM WORM	64	COUNT	2
2283	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	GREEN WORM	64	COUNT	10
2284	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	GREEN WORM	64	COUNT	8
2285	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	GREEN WORM	64	COUNT	10
2286	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	PADDLE WORM	64	COUNT	1
2287	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	PADDLE WORM	64	COUNT	1
2288	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	14
2289	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	4
2290	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	8
2291	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	1
2292	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	7
2293	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	6
2294	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2295	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	9
2296	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
2297	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	4
2298	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	4
2299	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	3
2300	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	2
2301	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	88
2302	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	121
2303	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	94
2304	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	MELITA NITIDA	64	COUNT	3
2305	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	2	NO-OF-IND	MELITA NITIDA	64	COUNT	2
2306	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	3	NO-OF-IND	MELITA NITIDA	64	COUNT	2
2307	BIOTA	XIG7689	861217	1353	GRAB	E		3916580	7618510	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
2308	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	1
2309	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	7
2310	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	8
2311	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	4

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2312	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	GREEN WORM	64	COUNT	4
2313	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	GREEN WORM	64	COUNT	15
2314	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	GREEN WORM	64	COUNT	5
2315	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
2316	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	3
2317	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	12
2318	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	3
2319	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	7
2320	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2321	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	3
2322	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	2
2323	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	1
2324	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	2
2325	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	3
2326	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	EDOTEA TRILOBA	64	COUNT	1
2327	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1
2328	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	3
2329	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	136
2330	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	70
2331	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	200
2332	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	MELITA NITIDA	64	COUNT	9
2333	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	MELITA NITIDA	64	COUNT	5
2334	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	MELITA NITIDA	64	COUNT	10
2335	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	1	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
2336	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	2	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
2337	BIOTA	XIG7689	870413	1405	GRAB	E		3916580	7618510	3	NO-OF-IND	UNIDENTIFIED CHIRONOMID LARVAE	64	COUNT	1
2338	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
2339	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	MICRURA LEIDYI	64	COUNT	2
2340	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	21
2341	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	19
2342	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	3	NO-OF-IND	HETEROMASTUS FILIFORMIS	64	COUNT	9
2343	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	CLAM WORM	64	COUNT	1
2344	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	GREEN WORM	64	COUNT	1
2345	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	GREEN WORM	64	COUNT	5
2346	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	3	NO-OF-IND	GREEN WORM	64	COUNT	8
2347	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	5
2348	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	STREBLOSPIO BENEDICTI	64	COUNT	5
2349	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	PELOSCOLEX SP	64	COUNT	2
2350	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	145
2351	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	138
2352	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	3	NO-OF-IND	BRACKISH WATER CLAM	64	COUNT	165
2353	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	BALTHIC CLAM	64	COUNT	0
2354	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	BALTHIC CLAM	64	COUNT	9
2355	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	3	NO-OF-IND	BALTHIC CLAM	64	COUNT	0
2356	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	MITCHELLS CLAM	64	COUNT	0
2357	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	MITCHELLS CLAM	64	COUNT	0
2358	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	3	NO-OF-IND	MITCHELLS CLAM	64	COUNT	0

---------- MEDIACL=BIOTA ----------

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2359	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	CYATHURA POLITA	64	COUNT	11.00
2360	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	CYATHURA POLITA	64	COUNT	22.00
2361	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	3	NO-OF-IND	CYATHURA POLITA	64	COUNT	12.00
2362	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	3.00
2363	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	COROPHIUM LACUSTRE	64	COUNT	1.00
2364	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	1.00
2365	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	2	NO-OF-IND	LEPTOCHEIRUS PLUMULOSUS	64	COUNT	3.00
2366	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	MELITA NITIDA	64	COUNT	1.00
2367	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	MONOCULODES EDWARDSI	64	COUNT	4.00
2368	BIOTA	XIG7689	870824	1253	GRAB	E		3916580	7618510	1	NO-OF-IND	MUD CRAB	64	COUNT	1.00

Output of Resource Monitoring
Data
Sixth Monitoring Year
Project IV - Analytic Services

MEDIACL=BIOTA

OBS	HEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGITUDE	REPCODE	PARAM	SPECIES	HETHOD	UNITS	VALUE
2369	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	TCHROMUM	.	29	PPM-WW	0.16
2370	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	TNICKEL	.	34	PPM-WW	0.01
2371	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	TIRON	.	40	PPM-WW	10.93
2372	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	TMANGAN	.	45	PPM-WW	0.86
2373	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	TZINC	.	48	PPM-WW	6.71
2374	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	TCOPPER	.	51	PPM-WW	0.71
2375	FISH	TISS	XIF2741	870413	0	UNKNOWN		3912414	7624084	1	WATERCON	.	206	PERCENT	79.00
2376	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	TCHROMUM	.	29	PPM-WW	0.09
2377	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	TNICKEL	.	34	PPM-WW	0.01
2378	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	TIRON	.	40	PPM-WW	2.18
2379	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	TMANGAN	.	45	PPM-WW	0.32
2380	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	TZINC	.	48	PPM-WW	3.45
2381	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	TCOPPER	.	51	PPM-WW	0.37
2382	FISH	TISS	XIF4415	870413	0	UNKNOWN		3914246	7621306	1	WATERCON	.	206	PERCENT	78.30
2383	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	TCHROMUM	.	29	PPM-WW	0.09
2384	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	TNICKEL	.	34	PPM-WW	0.03
2385	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	TIRON	.	40	PPM-WW	3.63
2386	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	TMANGAN	.	45	PPM-WW	0.39
2387	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	TZINC	.	48	PPM-WW	5.78
2388	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	TCOPPER	.	51	PPM-WW	0.44
2389	FISH	TISS	XIF4715	861217	0	UNKNOWN		3914400	7621260	1	WATERCON	.	206	PERCENT	79.50
2390	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	TCHROMUM	.	29	PPM-WW	0.09
2391	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	TNICKEL	.	34	PPM-WW	0.00
2392	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	TIRON	.	40	PPM-WW	2.15
2393	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	TMANGAN	.	45	PPM-WW	0.24
2394	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	TZINC	.	48	PPM-WW	3.95
2395	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	TCOPPER	.	51	PPM-WW	0.42
2396	FISH	TISS	XIF5297	861217	0	UNKNOWN		3916150	7620500	1	WATERCON	.	206	PERCENT	77.30
2397	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	TCHROMUM	.	29	PPM-WW	0.10
2398	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	TNICKEL	.	34	PPM-WW	0.06
2399	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	TIRON	.	40	PPM-WW	16.16
2400	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	TMANGAN	.	45	PPM-WW	0.59
2401	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	TZINC	.	48	PPM-WW	6.92
2402	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	TCOPPER	.	51	PPM-WW	0.50
2403	FISH	TISS	XIF5406	861217	0	UNKNOWN		3915250	7620350	1	WATERCON	.	206	PERCENT	84.20
2404	FISH	TISS	XIF5725	870413	0	UNKNOWN		3915426	7622324	1	TCHROMUM	.	29	PPM-WW	0.11
2405	FISH	TISS	XIF5725	870413	0	UNKNOWN		3915426	7622324	1	TNICKEL	.	34	PPM-WW	0.02

MEDIACL=BIOTA

OBS	MEDIA	STATION	DATE	TIME	SAMPMETH	TIDE	WEATHER	LATITUDE	LONGTUDE	REPCODE	PARAM	SPECIES	METHOD	UNITS	VALUE
2406	FISH TISS	XIF5725	870413	0	UNKNOWN			3915426	7622324	1	TIRON	.	40	PPM-WW	2.11
2407	FISH TISS	XIF5725	870413	0	UNKNOWN			3915426	7622324	1	TMANGAN	.	45	PPM-WW	0.38
2408	FISH TISS	XIF5725	870413	0	UNKNOWN			3915426	7622324	1	TZINC	.	48	PPM-WW	5.45
2409	FISH TISS	XIF5725	870413	0	UNKNOWN			3915426	7622324	1	TCOPPER	.	51	PPM-WW	0.27
2410	FISH TISS	XIF5725	870413	0	UNKNOWN			3915426	7622324	1	WATERCON	.	206	PERCENT	77.60
2411	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	TCHROMUM	.	29	PPM-WW	0.11
2412	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	TNICKEL	.	34	PPM-WW	0.01
2413	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	TIRON	.	40	PPM-WW	2.52
2414	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	TMANGAN	.	45	PPM-WW	0.39
2415	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	TZINC	.	48	PPM-WW	4.98
2416	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	TCOPPER	.	51	PPM-WW	0.37
2417	FISH TISS	XIG6300	870413	0	UNKNOWN			3916155	7620024	1	WATERCON	.	206	PERCENT	78.20
2418	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	TCHROMUM	.	29	PPM-WW	0.25
2419	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	TNICKEL	.	34	PPM-WW	4.75
2420	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	TIRON	.	40	PPM-WW	62.25
2421	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	TMANGAN	.	45	PPM-WW	7.89
2422	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	TZINC	.	48	PPM-WW	11.80
2423	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	TCOPPER	.	51	PPM-WW	1.38
2424	CLAM TISS	XIF2741	861217	0	UNKNOWN			3912414	7624084	1	WATERCON	.	206	PERCENT	88.80
2425	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	TCHROMUM	.	29	PPM-WW	0.20
2426	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	TNICKEL	.	34	PPM-WW	3.45
2427	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	TIRON	.	40	PPM-WW	32.07
2428	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	TMANGAN	.	45	PPM-WW	4.93
2429	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	TZINC	.	48	PPM-WW	8.65
2430	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	TCOPPER	.	51	PPM-WW	1.10
2431	CLAM TISS	XIF5406	870413	0	UNKNOWN			3915250	7620350	1	WATERCON	.	206	PERCENT	88.90
2432	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	TCHROMUM	.	29	PPM-WW	0.26
2433	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	TNICKEL	.	34	PPM-WW	3.85
2434	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	TIRON	.	40	PPM-WW	67.73
2435	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	TMANGAN	.	45	PPM-WW	8.79
2436	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	TZINC	.	48	PPM-WW	9.94
2437	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	TCOPPER	.	51	PPM-WW	1.30
2438	CLAM TISS	XIF6388	861217	0	UNKNOWN			3916150	7620500	1	WATERCON	.	206	PERCENT	86.80
2439	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	TCHROMUM	.	29	PPM-WW	0.19
2440	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	TNICKEL	.	34	PPM-WW	3.39
2441	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	TIRON	.	40	PPM-WW	45.29
2442	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	TMANGAN	.	45	PPM-WW	10.42
2443	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	TZINC	.	48	PPM-WW	9.79
2444	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	TCOPPER	.	51	PPM-WW	1.11
2445	CLAM TISS	XIF6388	870413	0	UNKNOWN			3916150	7620500	1	WATERCON	.	206	PERCENT	89.40
2446	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	TCHROMUM	.	29	PPM-WW	0.31
2447	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	TNICKEL	.	34	PPM-WW	5.51
2448	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	TIRON	.	40	PPM-WW	61.77
2449	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	TMANGAN	.	45	PPM-WW	11.93
2450	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	TZINC	.	48	PPM-WW	12.77
2451	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	TCOPPER	.	51	PPM-WW	1.37
2452	CLAM TISS	XIG6300	861217	0	UNKNOWN			3916155	7620024	1	WATERCON	.	206	PERCENT	89.50
2453	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	TCHROMUM	.	29	PPM-WW	0.15
2454	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	TNICKEL	.	34	PPM-WW	3.09
2455	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	TIRON	.	40	PPM-WW	38.24
2456	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	TMANGAN	.	45	PPM-WW	6.46
2457	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	TZINC	.	48	PPM-WW	8.71
2458	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	TCOPPER	.	51	PPM-WW	1.29
2459	CLAM TISS	XIG7689	870413	0	UNKNOWN			3916580	7618510	1	WATERCON	.	206	PERCENT	90.10