

## LTERMACRO Anomalous Data

This section identifies data that the 2004 Rescue Project Data Manager has determined to be either anomalous or erroneous. Erroneous data were corrected where possible and removed from the dataset when necessary. Explanations for any action taken and justification for questionable/anomalous data designations are provided, along with any other notes relevant to interpreting the data. The user should evaluate and use these data with caution. Data that have been removed from the final data set are still present in unedited and/or raw data files. Please see the FGDC compliant metadata document for more information on the quality assurance/quality control procedures used to identify erroneous or suspect data. The following information is organized chronologically by parameter or group of parameters.

### Tide Stage:

Estimates from 1/20/1981 through 7/21/1983 are reported only as whole numbers and, as a result, most of these values are reported as zero even though departures from the average low tide are recorded in the raw field notes. Later values are reported to the nearest tenth of a meter.

08/04/1983 through 06/28/1985, Data Manager altered Tide Stage (TSTAGE) values to display the appropriate accuracy of the estimates. The 2004 Data Manager verified the values recorded by the field technician with the raw data sheets and then entered the values into the digital database with one decimal place.

The 2004 Data Manager found inconsistencies regarding negative versus positive values within the Tide Stage data. Attempts were made to correct these inconsistencies where comments from the field technicians in the raw data made it possible to do so and where they were obvious. However, the subjectivity of the comments recorded in the field notes made it impossible to comprehensively QA/QC and correct these data. The following positive/negative sign changes were made to the TSTAGE data:

08/27/1984 BB Reps 1 and 2, DD Rep 1 and 2, Data Manager corrected data entry error. Changed TSTAGE from -0.2 to 0.2. Verified with raw data sheets that the field technician's comment was "high low (tide)" and, therefore, that the value should be positive to indicate the water level's departure above mean low.

09/14/1984 BB Reps 1 and 2, DD Rep 1 and 2, Data Manager corrected data entry error. Changed TSTAGE from 0.9 to -0.9. Verified with raw data sheets that the field technician's comment was "very low" and, therefore, that the value should be negative to indicate the water level's departure below mean low.

10/05/1984 BB Rep 1 and 2, DD Rep 1 and 2, Data Manager corrected data entry error. Changed TSTAGE from 0.2 to -0.2. Verified with raw data sheets that the field technician's comment was "moderately low" and, therefore, that the value should be negative to indicate the water level's departure below mean low.

12/06/1984 BB Reps 1 and 2, DD Rep 1 and 2, Data Manager corrected data entry error. Changed TSTAGE from 0.4 to -0.4. Verified with raw data sheets that the field technician's comment was "extremely low" and, therefore, that the value should be negative to indicate the water level's departure below mean low.

01/08/1990 BB Reps 1-7, Data Manager corrected data entry error. Changed TSTAGE from 0.3 to 0.03 to match Rep 8. Verified typographical error with raw data sheets.

01/24/1990 BB, Reps 1 and 2, Data Manager corrected data entry error. Changed TSTAGE from 0.3 to 0.09 to match other reps. Verified typographical error with raw data sheets.

01/29/1991 through 09/06/1991, Data Manager corrected erroneous Tide Stage (TSTAGE) data. For this time period all TSTAGE values entered in the digital database were zero. The 2004 Data Manager verified with the raw data sheets that the field technician had recorded tide stage values during this time, and that they were rarely zero. These values were often recorded on the raw data sheets as a distance in feet. The 2004 Data Manager converted these values to meters and entered them into the digital database.

10/22/1991 BB all reps, Data Manager corrected data entry error. Changed TSTAGE from 0 to 0.15 meters. Verified with raw data sheets that the MACRO Technician recorded 0.5 feet and that this value was not converted to meters when entered into the database.

For the 11/05/1991 and 12/05/1991 through 01/31/1992 samples, only values of zero were recorded for the tide stage estimate, despite comments in the raw field notes on various departures from the average low tide. There were no number values assigned in the field notes. The Data Manager did not attempt to estimate values for these occurrences, and could not rule out that the technician classified the departures as zero, but suspected that the samples were simply never assigned a value and entered as zero by default. These data should be used with caution.

11/21/1991 BB all reps, Data Manager corrected data entry error. Changed TSTAGE from 0 to 0.12 meters. Verified with raw data sheets that the MACRO Technician recorded 0.4 feet and that this value was not converted to meters when entered into the database.

#### **Air Temperature:**

11/17/1987 BB all reps, Data Manager corrected data entry error. Changed AIRTEMP from 19.3 to 19.5 in order to report with the appropriate accuracy:

05/04/1990 BB all reps, Data Manager corrected data entry error. Changed AIRTEMP from 26.2 to 26.0 in order to report with the appropriate accuracy:

06/24/1991 BB all reps, Data Manager corrected data entry error. Changed AIRTEMP from 0 to a missing data indicator. Verified with raw data sheets that no temperature data were collected for this date.

01/31/1992 BB all reps, Data Manager corrected data entry error. Changed AIRTEMP from 0 to a missing data indicator. Verified with raw data sheets that the thermometer was broken and no temperature data were collected for this date.

#### **Sediment/Water Interface Temperature:**

16/24/1991 BB all reps, Data Manager corrected data entry error. Changed SEDWATER from 0 to a missing data indicator. Verified with raw data sheets that no temperature data were collected for this date.

01/31/1992 BB all reps, Data Manager corrected data entry error. Changed SEDWATER from 0 to a missing data indicator. Verified with raw data sheets that the thermometer was broken and no temperature data were collected for this date.

#### **Surface Water Salinity:**

03/28/1991 BB Rep 7, Data Manager corrected data entry error. Changed SSAL from 2.42 to 24.2. Verified typographical error with raw data sheets.

#### **Reduction/Oxidation Layer:**

REDOX depths of 10 centimeters or greater were recorded in the raw Field Notebooks as simply greater than 10. They were entered in the database as either 10 or as "99" to indicate an anomalous data point. The 2004 Data Manager verified all values of 10 or 99 in the digital database with the raw data sheets and changed any depth noted as greater than 10 in the Field Notebook to 10 in the database. As a result, these are *not actual depths* and should be used appropriately. Values of 10 occur for the following samples:

04/18/1981 DD all reps

05/01/1981 DD all reps

05/15/1981 DD all reps  
01/07/1982 DD all reps  
01/21/1982 DD all reps  
02/19/1982 DD all reps  
03/08/1992 DD all reps  
02/25/1983 DD all reps  
03/01/1984 DD all reps  
03/15/1984 DD all reps  
12/20/1984 DD all reps  
01/08/1985 DD all reps  
07/18/1990 BB all reps  
12/31/1990 BB all reps

01/05/1989 BB all reps, Data Manager corrected data entry error. Changed REDOX from 99 (to indicate anomalous data) to 1. Verified with raw data sheets that the MACRO Technician recorded a value of 1.

12/14/1990 BB all reps, Anomalous Data. MACRO Technician noted that the site may have been disturbed by clamming prior to sample collection. The technician estimated the REDOX layer at 2 millimeters and 0 centimeters was recorded in the database.

**Core Diameter:**

12/14/1990 BB all reps, Data Manager corrected data entry error. Changed COREDIAM from 18 to 5. Verified with raw data sheets that a typographical error was made.

**Polychaetes:**

The multiple Polydora categories identified from 10/01/1982 through 11/15/1982 (see below) in the Raw Counting/Data Entry Sheets were lumped together as POLYDSP01 (Polydora species number 1) in the final database, as they were most likely different growth stages of an unidentified polydorid. However, the final database does include two Polydora categories and there is one instance of an organism classified as POLYDSP02 on 12/19/1991. Since this identification came at a much later date, we assume that the organism belongs to a different species, but it is possible that it also represents a different growth stage of the same unidentified polydorid. See the Raw Counting Sheets for descriptions of the organisms.

Polydora species I: 10/01/1982 BB, Rep 2, Bottom, Jar #6  
Polydora species II: 10/01/1982 BB, Rep 2, Bottom, Jar #10  
Polydora species III: 02/04/1981 BB, Rep 2, Top, Jar #10  
Polydora species IV: 10/29/1982 BB, Rep 2, Top, Jar #4  
Polydora species IV: 11/15/1982 BB, Rep 1, Mid, Jar #1

The species *Capitella capitata* was misidentified beginning with sample 1 (01-20-1981), these organisms are actually *Mediomastus ambiseta*. **All count data were corrected in the final database.** Raw Counting/Data Entry Sheets that indicate a count for *Capitella capitata* during this period were not corrected, and are actually counts of *Mediomastus ambiseta*. Archived animals in storage jars for samples 1-146 (01-20-1981 through 12-02-1986) are also still labeled incorrectly as *Capitella capitata*. Beginning with sample 147 (12-15-1986), animals are correctly labeled in storage jars and in raw Counting/Data Entry Sheets as *Mediomastus ambiseta* and *Capitella capitata* respectively.

The following notes were included in original metadata as “Data Anomalies,” however; the 2004 Data Manager had no further information as to exactly why they might be anomalous or if they were further examined/corrected. We assume that the identifications were in question, and that in most cases, the change in identification methodology (only identifying dominant polychaetes to species) or change in process methodology (only using top 5 centimeters of sample) probably made these notations irrelevant. Regardless, these identifications should be used with caution, see the original data sheets for descriptions.

07/15/1981 DD, Rep 1 Mid, Jar #3: Spionidae species A (SPIONSP01 in final database)  
09/25/1981 DD, Rep 1, Top, Jar #8: Aricidia species A  
10/01/1982 DD, Rep 1 Top, Jar #9: Armandia species

10/14/1982 DD, Rep 2, Top, Jar #8: Scoloplella species\* (included under ORBINSP01 in final database per a Data Entry Sheet note, it is unclear whether it was categorized correctly)  
10/29/1982 DD, Rep 1, Top: Spionidae species A (SPIONSP01 in final database)

From 01/20/1981 through 02/18/1985, the UNIDPOLYC values were calculated incorrectly to include the POLYCSP01 category. The 2004 Rescue Data Manager recalculated the UNIDPOLYC values for this time frame, verified that discrepancies were caused by the mistaken inclusion of POLYCSP01 values, and corrected the UNIDPOLYC values in the final database. These corrections occurred on the following dates:

02/04/1981 BB Rep 1: Changed 229.4 to 183.5  
02/04/1981 BB Rep 1: Changed 275.3 to 229.4  
02/17/1981 BB Rep 2: Changed 688.2 to 642.4  
11/29/1982 BB Rep 1: Changed 361.5 to 120.5  
11/29/1982 BB Rep 2: Changed 120.5 to 0.0  
02/10/1983 BB Rep 2: Changed 3012.1 to 2771.1  
02/25/1983 BB Rep 2: Changed 1084.3 to 963.9  
12/02/1983 BB Rep 2: Changed 94.0 to 0.0  
12/19/1983 BB Rep 1: Changed 120.5 to 0.0  
12/19/1983 BB Rep 2: Changed 241.0 to 120.5  
01/30/1984 BB Rep 2: Changed 79.5 to 0.0  
10/22/1984 BB Rep 1: Changed 238.6 to 159.0  
12/20/1984 BB Rep 1: Changed 318.1 to 79.5  
12/20/1984 BB Rep 2: Changed 238.6 to 0.0  
01/08/1985 BB Rep 1: Changed 238.6 to 159.0  
01/08/1985 BB Rep 2: Changed 318.1 to 159.0  
01/18/1985 BB Rep 1: Changed 552.5 to 0.0  
01/18/1985 BB Rep 2: Changed 1105.0 to 552.5  
01/18/1985 BB Rep 3: Changed 1105.0 to 552.5  
01/18/1985 BB Rep 4: Changed 552.5 to 0.0  
02/18/1985 BB Rep 1: Changed 1105.0 to 0.0  
02/18/1985 BB Rep 2: Changed 552.5 to 0.0  
02/18/1985 BB Rep 3: Changed 2762.4 to 552.5

06/29/1981 DD Rep 1: Changed 367.0 to 275.2  
09/25/1981 DD Rep 1: Changed 733.9 to 642.2  
01/13/1983 DD Rep 1: Changed 1204.8 to 1084.3  
01/13/1983 DD Rep 2: Changed 1927.7 to 1807.2  
12/19/1983 DD Rep 1: Changed 404.8 to 269.9  
12/19/1983 DD Rep 2: Changed 269.9 to 202.4  
01/03/1984 DD Rep 2: Changed 472.3 to 269.9  
01/30/1984 DD Rep 2: Changed 742.2 to 269.9  
06/26/1984 DD Rep 2: Changed 337.4 to 269.9  
09/14/1984 DD Rep 2: Changed 539.8 to 472.3  
09/21/1984 DD Rep 1: Changed 944.6 to 877.1  
09/21/1984 DD Rep 2: Changed 472.3 to 404.8  
10/05/1984 DD Rep 1: Changed 877.1 to 809.6  
10/22/1984 DD Rep 1: Changed 337.4 to 269.9

06/18/1982 BB Rep 1, Data Manager corrected data entry error. Changed UNIDPOLYC from 238.6 to 318.1. Verified with raw data sheets that 4 UNIDPOLYC were counted but only three were recorded on the Data Entry Sheet (only one of two individuals counted from the family Sabellidae were recorded). The TOTPOLYC value was recorded/entered correctly and did not change.

10/14/1982 DD Rep 2, Data Manager corrected data entry error. Changed UNIDORBIN from 120.5 to 0.0. Verified with raw data sheets that 1 individual was counted and that it was entered in both the UNIDORBIN and ORBINSP01 categories as a result of confusion over how it should be classified. Based on a note on the data sheet, the Data Manager determined that it should be in the ORBINSP01 column and removed the duplicate entry.

11/15/1982 BB Rep 1, Data Manager corrected data entry error. Changed UNIDNEREI from 120.5 to 0.0 and TOTNEREI from 0.0 to 120.5. Verified with raw data sheets that 1 NEREISUCC individual was counted and there were no unidentified individuals. The total and unidentified values were transposed.

07/21/1983 DD Rep 1, Data Manager corrected data entry error. Changed TOTNEREI from 0.0 to 241.0. Verified with raw data sheets that 1 UNIDNEREI individual was counted. The total value was incorrect.

07/21/1983 DD Rep 1, Data Manager corrected data entry error. Changed UNIDNEREI and TOTNEREI from 241.0 to 120.5. Verified with raw data sheets that 1 UNIDNEREI was counted but two were entered in the digital database. The TOTPOLYC value was recorded/entered correctly and did not change.

03/01/1984 BB Rep 1, Data Manager corrected data entry error. Changed UNIDPOLYC from 238.6 to 318.1. Verified with raw data sheets that 4 UNIDPOLYC were counted and recorded on both the Counting and Data Entry Sheets, but only 3 were entered in the digital database. The TOTPOLYC value was recorded/entered correctly and did not change.

03/30/1984 DD Rep 2, Data Manager corrected data entry error. Changed UNIDPOLYC from 944.6 to 1214.5. Verified with raw data sheets that 18 UNIDPOLYC were counted but that there may have been some confusion with the notation for the Paraonidae family and only 14 were entered in the digital database. The TOTPOLYC value was recorded/entered correctly and did not change.

09/14/1984 DD Rep 1, Data Manager corrected data entry error. Changed SPIONSP01 from 0.0 to 67.5. Verified with raw data sheets that the total was correct and that one SPIONSP01 individual was counted but not entered in the digital database.

09/14/1984 DD Rep 1, Data Manager corrected data entry error. Changed UNIDPOLYC from 539.8 to 607.2. Verified with raw data sheets that 9 UNIDPOLYC were counted but that only 8 were recorded on the Data Entry Sheet (only one of 2 individuals from the Pilargidae family were recorded on the Data Entry Sheet). The TOTPOLYC value was recorded/entered correctly and did not change.

02/04/1985 BB Rep 3, Data Manager corrected data entry error. Changed UNIDPHYLL and TOTPHYLL from 552.5 to 1105.0. Verified with raw data sheets that 2 UNIDPHYLL were counted but only one was recorded on the Data Entry Sheet. The TOT POLYC value was recorded/entered correctly and did not change.

03/05/1985 BB Rep 3, Data Manager corrected data entry error. Changed UNIDPOLYC from 552.5 to 1105.0. Verified with raw data sheets that 2 UNIDPOLYC (from the Amphictenidae family) were counted but only one was recorded on the Data Entry Sheet. The TOTPOLYC value was recorded/entered correctly and did not change.

04/18/1985 BB Rep 6, Data Manager corrected data entry error. Changed UNIDSPION from 0.0 to 552.5. Verified with Counting Sheets that the total was correct and that one *Prionospio heterobranchiata* individual was counted but not entered in the digital database. The Data Manager placed this individual in the unidentified category because there was no category for that species, however it is possible that it was misidentified/labeled and should be in the *Prionospio cirrobranchiata* category.

04/18/1985 BB Rep 7, Data Manager corrected data entry error. Changed STREBENE from 0.0 to 552.5. Verified with Counting Sheets that the total was correct and that one STREBENE individual was counted but left off of the Data Entry Sheets and therefore not entered in the final database.

05/01/1985 BB Rep 3, Data Manager corrected data entry error. Changed UNIDLUMBR and TOTLUMBR from 552.5 to 1105.0. Verified with raw data sheets that 2 UNIDLUMBR individuals were counted but only one was recorded on the Data Entry Sheet. The TOTPOLYC value was recorded/entered correctly and did not change.

05/17/1985 BB Rep 3, Data Manager corrected data entry error. Changed MEDIAMBI from 7182.3 to 6629.8, which in turn decreased the TOTCAPIT value from 7734.8 to 7182.3. Verified with raw data sheets that 12 MEDIAMBI were counted but 13 were recorded on the Data Entry Sheet. The TOTPOLYC value was recorded/entered correctly and did not change.

05/31/1985 BB Rep 1, Data Manager corrected data entry error. Changed UNIDCIRRA from 1105.0 to 0.0 and TOTCIRRA from 0.0 to 1105.0. Verified with raw data sheets that 2 CAULLESP individuals were counted and there were no unidentified individuals. The total and unidentified values were transposed.

05/31/1985 BB Rep 6, Data Manager corrected data entry error. Changed UNIDSYLLI and TOTSYLLI from 552.5 to 1105.0. Verified with raw data sheets that 2 unidentified members of the Syllidae family were counted, but only one was recorded on the Data Entry Sheet. The TOTPOLYC value was recorded/entered correctly and did not change.

06/28/1985 BB Rep 4, Data Manager corrected data entry error. Changed UNIDSYLLI and TOTSYLLI from 552.5 to 1105.0. Verified with raw data sheets that 2 unidentified members of the Syllidae family were counted, but only one was recorded on the Data Entry Sheet. The TOTPOLYC value was recorded/entered correctly and did not change.

06/28/1985 BB Rep 5, Data Manager corrected data entry error. Changed UNIDSYLLI and TOTSYLLI from 552.5 to 1105.0. Verified with raw data sheets that 2 unidentified members of the Syllidae family were counted, but only one was recorded on the Data Entry Sheet. The TOTPOLYC value was recorded/entered correctly and did not change.

04/07/1986 BB Rep 8, Data Manager corrected data entry error. Changed TOTPOLYC from 15469.6 to 16022.1. Verified with raw data sheets that 29 total individuals were counted, but the value was recorded as 28 due to an addition error on the Data Entry Sheet.

12/31/1986 BB Rep 3, Data Manager corrected data entry error. Changed STREBENE from 3867.5 to 3315.0. Verified with the raw data sheets that the total was correct and that there were 6 STREBENE individuals counted, not 7.

03/26/1987 BB Rep 3, Data Manager corrected data entry error. Changed TOTPOLYC from 24309.4 to 23756.9. Verified with raw data sheets that 43 total individuals were counted, but the value was recorded as 44 due to an addition error on the Data Entry Sheet.

04/27/1987 BB Rep 3, Data Manager corrected data entry error. Changed TOTPOLYC from 26519.3 to 27624.3. Verified with raw data sheets that 50 total individuals were counted, but the value was recorded as 48 due to an addition error on the Data Entry Sheet.

07/21/1987 BB Rep 4, Data Manager corrected data entry error. Changed TOTPOLYC from 7182.3 to 7734.8. Verified with raw data sheets that 14 total individuals were counted, but the value was recorded as 13 due to an addition error on the Data Entry Sheet.

05/27/1988 BB Rep 8, Data Manger corrected data entry error. Changed CAPITCAPI from 1105.0 to 0.0. Verified with raw data sheets that 9 individuals were originally classified as CAPITCAPI (*Capitella capitata*) and then all were changed to MEDIAMBI (*Mediomastus ambiseta*).

01/05/1989 BB Rep 2, Data Manager corrected data entry error. Changed UNIDPOLYC from 552.5 to 0.0 and TOTPOLYC from 25966.9 to 25414.4. Verified with raw data sheets that 0 UNIDPOLYC were counted but that 1 PHYLLSP01 was counted and mistakenly recorded (twice) as both PHYLLSP01 and

UNIDPOLYC on the data entry sheet and in the digital database. The TOTPOLYC value was also incorrect as a result. The TOTALLOGA value was recorded/entered correctly and did not change.

01/19/1989 BB Rep 8, Data Manager corrected data entry error. Changed TOTORBIN from 0.0 to 1657.5 and ORBINSP01 from 1657.5 to 0.0. Verified with raw data sheets that 3 HAPLROBU individuals were counted and there were no ORBINSP01 individuals. The total and ORBINSP01 values were transposed.

02/21/1990 BB Rep 3, Data Manager corrected data entry error. Changed TOTPOLYC from 16574.6 to 16022.1. Verified with raw data sheets that 29 total individuals were counted, but the value was recorded as 30 due to an addition error on the Data Entry Sheet.

**Crustaceans, Bivalves, Nemerteans, Oligochaetes, Sipunculids, and Miscellaneous:**

TOTMISCE: For a portion of the database, from 01/20/1981 through most of the 06/28/1985 replicates, this category was defined as UNIDNEME+OLIGOCHA+SIPUNCUL+SHELGAST+UNIDMISC. From 07/15/1985 through 01/31/1992 the TOTMISCE was defined as SHELGAST+UNIDMISC. The 2003-2004 Data Rescue Manager determined that, since the latter definition was used most recently and the raw Data Entry Sheets appear to have been altered to follow that definition, it was the most reasonable definition and converted all TOTMISCE values in the final database to follow it.

09/06/1983 BB Rep 2, Data Manager corrected data entry error. Changed UNIDCRUS from 0.0 to 120.5. Verified with raw data sheets that one UNIDCRUS (noted as "marine insect") was counted and recorded on both the Counting and Data Entry Sheets, but not entered in the digital database. The TOTCRUST value was recorded/entered correctly and did not change.

06/11/1984 DD Rep 2, Data Manager corrected data entry error. Changed TOTSHRIMPS from 0.0 to 74.7 and UNIDMISC from 74.7 to 0.0. Verified with raw data sheets that 1 TOTSHRIMPS (noted as unidentified shrimp) was counted and recorded on both Counting and Data Entry Sheets, and included in the TOTCRUST value, but not entered in the digital database correctly. A note on the raw Data Entry Sheet indicates that it was placed under UNIDMISC because there wasn't enough room in the data entry program for all the parameters. The TOTCRUST value was recorded/entered correctly and did not change.

06/26/1984 DD Rep 1, Data Manager corrected data entry error. Changed TOTSHRIMPS from 0.0 to 74.7 and UNIDMISC from 149.4 to 74.7. Verified with raw data sheets that 1 TOTSHRIMPS (noted as unidentified shrimp) was counted and recorded on both Counting and Data Entry Sheets, and included in the TOTCRUST value, but not entered in the digital database correctly. It was mistakenly entered under the UNIDMISC category. The TOTCRUST value was recorded/entered correctly and did not change.

07/25/1984 DD Rep 2, Data Manager corrected data entry error. Changed TOTSHRIMPS from 0.0 to 74.7, UNIDCRUS from 149.4 to 224.1, and UNIDMISC from 149.4 to 0.0. Verified with raw data sheets that 1 TOTSHRIMPS (noted as unidentified shrimp) and 3 UNIDCRUS (noted as pinnaxa sp., portunus sp., and crab megalops) were counted and recorded on both Counting and Data Entry Sheets, and included in the TOTCRUST value, but not entered in the digital database correctly. The missing individuals from the TOTSHRIMPS and UNIDCRUS categories were mistakenly recorded under the UNIDMISC category. The TOTCRUST value was recorded/entered correctly and did not change.

08/08/1984 DD Rep 1, Data Manager corrected data entry error. Changed TOTSHRIMPS from 0.0 to 74.7 and UNIDMISC from 149.4 to 74.7. Verified with raw data sheets that 1 TOTSHRIMPS (noted as unidentified shrimp) was counted and recorded on both Counting and Data Entry Sheets, and included in the TOTCRUST value, but not entered in the digital database correctly. The missing individual from the TOTSHRIMPS category was mistakenly recorded under the UNIDMISC category. The TOTCRUST value was recorded/entered correctly and did not change.

08/27/1984 BB Rep 1, Data Manager corrected data entry error. Changed UNIDCRUS from 0.0 to 78.3. Verified with raw data sheets that one UNIDCRUS was counted and recorded on both the Counting and

Data Entry Sheets, but not entered in the digital database. The TOTCRUST value was recorded/entered correctly and did not change.

10/05/1984 DD Rep 2, Data Manager corrected data entry error. Changed TOTCRUST from 1494.0 to 1568.7. Verified with raw data sheets that 1 TOTSHRIMPS, 1 UNIDCRUS, and 19 AMPHIPOD were counted and recorded on the Counting Sheet, but due to some confusion on the Data Entry Sheet, the TOTCRUST value was not correct.

05/01/1985 BB Rep 1, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 552.5 and TOTMISCE from 1105.0 to 552.5. Verified with raw data sheets that one TOTSHRIMPS (noted as an "unidentified shrimp") was counted but was mistakenly recorded as "other miscellany" on the Data Entry Sheet. As a result, the TOTMISCE and TOTCRUST values were incorrect. The TOTSHRIMPS and UNIDMISC values were recorded/entered correctly and did not change.

05/01/1985 BB Rep 3, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 552.5. Verified with raw data sheets that one TOTSHRIMP (noted as an "unidentified shrimp") was counted but was mistakenly recorded as "other miscellany" on the Data Entry Sheet. As a result, the TOTCRUST values were incorrect. The TOTSHRIMP, UNIDMISC, and TOTMISCE values were recorded/entered correctly and did not change.

05/31/1985 BB Rep 6, Data Manager corrected data entry error. Changed OLIGOCHA from 552.5 to 2210.0. Verified with raw data sheets that 4 OLIGOCHA were counted and recorded on the Counting Sheet, but only one was recorded on the Data Entry Sheet and in the digital database. The TOTALLORGA values was recorded/entered correctly and did not change.

06/28/1985 BB Rep 6, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 2210.0. Verified with raw data sheets that 4 TOTSHRIMPS (noted as copepods, Technician meant decapods) were counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly under TOTSHRIMPS, but not included in the TOTCRUST value.

04/13/1987 BB Rep 8, Data Manager corrected data entry error. Changed TOTCRUST from 2210.0 to 2762.4. Verified with raw data sheets that 5 TOTCRUST were counted, but the value was recorded as 4 due to an addition error on the Data Entry Sheet.

07/08/1987 BB Rep 1, Data Manager corrected data entry error. Changed ISOPODS from 552.5 to 0.0 and TOTCRUST from 2210.0 to 552.5. Verified with raw data that only 1 UNIDCRUS was counted for all of the crustacean categories. It is unclear why incorrect values were entered for the ISOPODS and TOTCRUST values.

04/14/1988 BB Rep 1, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 1105.0. Verified with raw data sheets that 2 TOTSHRIMPS were counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTCRUST value.

02/20/1989 BB Rep 3, Data Manager corrected data entry error. Changed UNIDMISC from 552.5 to 0.0 and TOTMISCE from 1105.0 to 552.5. Verified with raw data sheets that 1 SHELGAST and 1 TOTMISCE were counted and recorded on both Counting and Data Entry Sheets, but not entered in the digital database correctly. The 1 SHELGAST was entered under both SHELGAST and UNIDMISC, which in turn resulted in an incorrect TOTMISCE value.

05/04/1990 BB Rep 7, Data Manager corrected data entry error. Changed TOTMISCE from 0.0 to 1105.0. Verified with raw data sheets that 2 TOTMISCE (resulting from 2 UNIDMISC) was counted and recorded on both Counting and Data Entry Sheets, but not entered in the digital database correctly.

08/02/1990 BB Rep 8, Data Manager corrected data entry error. Changed TOTMISCE from 0.0 to 552.5. Verified with raw data sheets that 1 TOTMISCE (resulting from 1 UNIDMISC) was counted and recorded on both Counting and Data Entry Sheets, but not entered in the digital database correctly.

08/18/1990 BB Rep 4, Data Manager corrected data entry error. Changed OLIGOCHA from 0.0 to 1657.5. Verified with raw data sheets that 3 OLIGOCHA were counted and recorded on the Counting Sheet, but were not recorded on the Data Entry Sheet or in the digital database. The TOTALLORGA value was entered/recorded correctly and did not change.

09/18/1990 BB Rep 2, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 552.5. Verified with raw data sheets that 1 CUMACEAN was counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTCRUST value.

09/18/1990 BB Rep 3, Data Manager corrected data entry error. Changed UNIDCRUS from 552.5 to 1105.0 and TOTCRUST from 0.0 to 1105.0. Verified with raw data sheets that 2 UNIDCRUS (noted as ostracoda) were counted and recorded on the Counting Sheet, but only one was recorded on the Data Entry Sheet and entered into the digital database, and none were included in the TOTCRUST value.

09/18/1990 BB Rep 6, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 552.5. Verified with raw data sheets that 1 ISOPODS was counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTCRUST value.

09/18/1990 BB Rep 8, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 552.5. Verified with raw data sheets that 1 UNIDCRUS (noted as ostracoda) was counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTCRUST value.

09/18/1990 BB Rep 8, Data Manager corrected data entry error. Changed TOTMISCE from 0.0 to 1105.0. Verified with raw data sheets that 2 SHELGAST were counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTMISCE value on either the Data Entry Sheet or in the digital database.

10/01/1990 BB Rep 1, Data Manager corrected data entry error. Changed TOTMISCE from 0.0 to 552.5. Verified with raw data sheets that 1 SHELGAST was counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTMISCE value on either the Data Entry Sheet or in the digital database.

10/16/1990 BB Rep 2, Data Manager corrected data entry error. Changed TOTCRUST from 0.0 to 552.5. Verified with raw data sheets that 1 UNIDCRUS (noted as ostracoda) was counted and recorded on both Counting and Data Entry Sheets, and entered in the digital database correctly, but not included in the TOTCRUST value.

11/30/1990 BB Rep 2, Data Manager corrected data entry error. Changed UNIDMISC from 552.5 to 0.0 and TOTMISCE from 0.0 to 552.5. Verified with raw data sheets that 1 SHELGAST and no UNIDMISC were counted and recorded on both Counting and Data Entry Sheets. The one SHELGAST was entered in the digital database correctly, but apparently the TOTMISCE value (which was comprised of only the 1 SHELGAST) was mistakenly entered under UNIDMISC. The TOTMISCE value on the Data Entry Sheet was correct.

**Total Unidentified Organisms and Total All Organisms:**

While the necessary individual parameter values were converted (as described in the FGDC Metadata) to standardize for core size throughout the database, the Total All Organisms (TOTALLORGA) parameter was not converted. The 2003-2004 Data Rescue Project Manager converted values in the final database, so that they are true totals of all parameters as defined. Values were changed on the following dates for the noted station and replicate samples.

02/04/1981	BB 1, 2	DD 1, 2
02/17/1981	BB 2	DD 1, 2

03/20/1981		DD 1, 2
10/23/1981	BB 2	DD 2
11/10/1981		DD 2
12/21/1981		DD 1, 2
01/07/1982	BB 1, 2	DD 1, 2
02/08/1982		DD 1
03/08/1982	BB 1, 2	DD 1, 2
04/06/1982	BB 1, 2	DD 1, 2
04/20/1982	BB 1, 2	DD 1, 2
05/04/1982	BB 1, 2	DD 1, 2
05/19/1982	BB 1, 2	DD 1, 2
06/02/1982	BB 2	DD 1
06/18/1982	BB 1, 2	DD 1, 2
07/19/1982		DD 1, 2
07/21/1983	BB 2	
10/05/1983	BB 1, 2	DD 1, 2
10/19/1983		DD 2
11/03/1983		DD 2
12/02/1983	BB 1, 2	
12/19/1983		DD 1, 2
01/03/1984	BB 1, 2	DD 1, 2
01/16/1984	BB 1, 2	DD 1, 2
01/30/1984	BB 1, 2	DD 1, 2
02/14/1984	BB 1, 2	DD 1, 2
03/01/1984	BB 1, 2	DD 1, 2
03/15/1984	BB 1, 2	DD 1, 2
03/30/1984	BB 1, 2	DD 1, 2
04/17/1984	BB 1, 2	DD 1, 2
04/30/1984	BB 1, 2	DD 1, 2
05/11/1984	BB 1, 2	DD 1, 2
05/25/1984	BB 1, 2	DD 1, 2
06/11/1984	BB 1, 2	DD 1, 2
06/26/1984	BB 1, 2	DD 1, 2
07/10/1984	BB 1, 2	DD 1, 2
07/25/1984	BB 1, 2	DD 1, 2
08/08/1984	BB 1, 2	DD 1, 2
08/27/1984	BB 1, 2	DD 1, 2
09/14/1984	BB 1, 2	DD 1, 2
09/21/1984	BB 1, 2	DD 1, 2
10/05/1984	BB 1, 2	DD 1, 2
10/22/1984	BB 1, 2	DD 1, 2
11/09/1984	BB 1, 2	DD 1, 2
12/06/1984	BB 1, 2	DD 1, 2
12/20/1984	BB 1, 2	DD 1, 2
01/08/1985	BB 1, 2	DD 1, 2

06/13/1983 BB Rep 1, Data Manager corrected data entry error. Changed TOTALLOGA from 6024.1 to 6144.6. Verified with raw data sheets that 51 total organisms were counted and recorded on both the Counting and Data Entry Sheets, but due to an addition error, the value for the TOTALLOGA parameter was recorded as 50 on the Data Entry Sheet and in the digital database.

04/07/1986 BB Rep 8, Data Manager corrected data entry error. Changed TOTALLOGA from 19337.0 to 19889.5. Verified with raw data sheets that 36 total organisms were counted and recorded on both the Counting and Data Entry Sheets, but due to an addition error, the value for the TOTALLOGA parameter was recorded as 35 on the Data Entry Sheet and in the digital database.

04/27/1987 BB Rep 3, Data Manager corrected data entry error. Changed TOTALLOGA from 29281.8 to 30386.7. Verified with raw data sheets that 55 total organisms were counted and recorded on both the Counting and Data Entry Sheets, but due to an addition error (originating with the TOTPOLYC value that was also corrected – see above), the value for the TOTALLOGA parameter was recorded as 53 on the Data Entry Sheet and in the digital database.

07/21/1987 BB Rep 4, Data Manager corrected data entry error. Changed TOTALLOGA from 10497.2 to 11049.7. Verified with raw data sheets that 20 total organisms were counted and recorded on both the Counting and Data Entry Sheets, but due to an addition error (origination with the TOTPOLYC value that was also corrected – see above), the value for the TOTALLOGA parameter was recorded as 19 on the Data Entry Sheet and in the digital database.

04/14/1988 BB Rep 1, Data Manager corrected data entry error. Changed TOTALLOGA from 31491.7 to 32596.7. Verified with raw data sheets that 59 total organisms were counted and recorded on both the Counting and Data Entry Sheets, but due to an addition error, the value for the TOTALLOGA parameter was recorded as 57 on the Data Entry Sheet and in the digital database.

01/24/1990 BB Rep 4, Data Manager corrected data entry error. Changed TOTALLOGA from 31491.7 to 32044.2. Verified with raw data sheets that 58 total organisms were counted and recorded on both the Counting and Data Entry Sheets, but due to an addition error, the value for the TOTALLOGA parameter was recorded as 57 on the Data Entry Sheet and in the digital database.