

Chesapeake Bay Virginia (CBV) NERR Water Quality Metadata  
January - December 2001  
Latest update: June 30, 2021

## I. Data Set and Research Descriptors

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### 2. Entry verification

The data were uploaded to the PC from the YSI 6000/6600 data loggers and reviewed using PC6000/6600 software from YSI. Graphs were produced and examined using the PC6000/6600 software then printed out and filed in order to aid in reviewing data to correlate any anomalous and outlying data. Next, files were uploaded in comma-delimited format, which were opened in Excel 5.0 software and edited to remove extraneous information (headers, footers, spaces, and pre- and post-deployment data). Monthly templates were used to form complete sets of monthly data sets. Macros supplied by NERRS/CDMO were used to help with editing, formatting and identifying outliers in the database. Suspect data (as in data believed to result from a damaged or biofouled probe) were evaluated according to Appendix B of the CDMO manual, edited and documented. Missing data due to YSI maintenance (downtime) was inserted into the spreadsheet and was denoted by periods (.). Data that was not within calibration range of the instrument were evaluated and removed from the record and denoted by periods (.). Edited and raw data files were copied and archived in the CBNERRVA file server and uploaded to the CDMO FTP site. All Taskinas Creek and Goodwin

Islands files from 2001 have been verified using the latest update of the CDMO Microsoft Excel 5.0 macro programs, which identified outliers (values that fall outside of the calibration - see section II.8 of this document) and other erroneous data. Outliers were determined according to the instruments' manufacturers manual. Janet Nestlerode collected 2001 Goodwin Island data from 01/01 to 07/01 and Eric Wooden collected 2001 Goodwin Island data from 07/01 to 12/01. Robert Carrol collected the 2001 Taskinas Creek data from 01/01 to 06/01 and Landon Ward collected the 2001 Taskinas Creek data from 06/01 to 12/01. Eric Wooden processed the 2001 data from both sites through the latest update of the CDMO macro and conducted final editing of the data. Following final editing, Eric Wooden uploaded the database to the CBNERRVA server and to CDMO.

### 3. Research Objectives

#### Taskinas Creek (TC) Component:

The Taskinas Creek watershed is representative of an inner coastal plain rural watershed within the southern Chesapeake Bay system. This watershed is dominated by forested and agricultural land uses with an increasing urban land use component. The drainage basin is suited for investigating hydrologic and non-point source water quality issues associated with changing land use patterns; these issues are of prime importance to the U.S. EPA Chesapeake Bay Program. Continuously monitored physical water quality parameters (dissolved oxygen, pH, specific conductance, turbidity, and temperature) provide long-term measurements which can be supplemented with shorter-term monitoring and process-oriented studies. Measurements were taken every 15 minutes at the Taskinas Creek site and the YSI dataloggers were maintained, downloaded, cleaned, and calibrated at two-week intervals from early October to the end of May. The two-week intervals of YSI dataloggers deployments are increased to one-week intervals from beginning of June to late September. This may vary from year to year and site to site depending on the amount of fouling on the instruments.

#### Goodwin Islands (GI) Component:

The Goodwin Islands represent marsh islands surrounded by intertidal flats, submerged aquatic vegetation (SAV) beds, oyster reefs, and shallow open

estuarine waters. Because minimal human activities occur within upland portions, the Goodwin Islands are suitable as a reference or control site for non-point source water quality issues. Furthermore, due to extensive wetlands, intertidal, and submerged habitats, the Goodwin Islands are used extensively for SAV, material flux, and trophic interaction research activities. Measurements were taken every 15 minutes at the Goodwin Islands site and the YSI dataloggers were maintained, downloaded, cleaned, and calibrated at two-week intervals from early October to the end of May. The two-week intervals of YSI dataloggers deployments are increased to one-week intervals from beginning of June to late September. This may vary from year to year and site to site depending on the amount of fouling on the instruments.

#### 4. Research methods

##### Taskinas Creek (TC) Component:

The Chesapeake Bay NERRS of Virginia maintains a long-term water quality-monitoring program, which consists of two stations. The Taskinas Creek station is located in the transitional zone of the York River tributary in the York River State Park. A simple deployment was arranged with the State Park in September 1995, where the secured unit hung at a fixed depth (0.5 m above the creek bed) from an overhanging tree approximately six meters upstream from the parks canoe landing. In September 1997, the deployment was modified so that the datalogger remained secure at all times within a 4-inch PVC housing 0.5 m above the bottom. Three wood pilings were driven into the sediment in an equilateral triangle arrangement and the PVC pipe bolted to one piling. Specific conductivity, pH, depth, dissolved oxygen, temperature, and turbidity are recorded at 15-minute intervals. Salinity and DO saturation are determined from temperature and specific conductivity readings. At approximately two-week intervals or one-week intervals depending on the time of year, the data logger is returned to the lab for downloading, cleaning, membrane replacement and recalibration. Maintenance intervals are determined according to the amount of biofouling that occurs and to accommodate battery life. A second YSI 6000/6600

datalogger is deployed following retrieval of the original YSI datasonde in order to maintain a continuous record. Field verification of pH, dissolved oxygen, salinity, and temperature are taken during the deployment/retrieval procedure. PH is tested in the lab with a Fisher Accumet pH Meter Model 600. Dissolved Oxygen was determined by a Winkler titration. Salinity was determined by using a Rosemount Analytical Induction Salinometer. Temperature was measured with a Hanna Instrument HI 9063 microcomputer K-thermocouple thermometer or long stem glass thermometer. All YSI procedures are in accordance with the YSI operating manual methods, sections 3 and 7. Standards for pH were purchased from Fisher. Standards for conductivity were purchased from YSI. Turbidity standards were purchased from Advanced Polymer Systems. Data are reviewed and edited according to the YSI Data Review and Editing Protocol in Appendix B of the CDMO manual.

#### Goodwin Islands (GI) Component:

The Chesapeake Bay NERRS of Virginia maintains a second long-term water quality-monitoring program at Goodwin Islands, located at the mouth of the York River. This station is located on the southeastern side of the main island in a shallow embayment, approximately 400 meters from shore. A stable and permanent structure was built in October 1997 where 4-inch PVC pipe is housed inside of a commercially available galvanized steel communications tower with the datalogger 0.5 m from the bottom. Specific conductivity, pH, depth, dissolved oxygen, temperature, and turbidity are recorded at 15-minute intervals. Salinity and DO saturation are determined from temperature and specific conductivity readings. At approximately two-week intervals or one-week intervals depending on the time of year, the datalogger is returned to the lab for downloading, cleaning, membrane replacement and recalibration. Maintenance intervals are determined according to the amount of biofouling that occurs and to accommodate battery life. A second YSI 6000/6600 datalogger is deployed following retrieval of the original YSI datasonde in order to maintain a continuous record. Field

verification of pH, dissolved oxygen, salinity, and temperature are taken during the deployment/retrieval procedure. PH is tested in the lab with a Fisher Accumet pH Meter Model 600. Dissolved Oxygen was determined by a Winkler titration. Salinity was determined by using a Rosemount Analytical Induction Salinometer. Temperature was measured with a Hanna Instrument HI 9063 microcomputer K-thermocouple thermometer and long-stem glass thermometer. All YSI procedures are in accordance with the YSI operating manual methods, sections 3 and 7. Standards for pH were purchased from Fisher. Standards for conductivity were purchased from YSI. Turbidity standards were purchased from Advanced Polymer Systems. Data are reviewed and edited according to the YSI Data Review and Editing Protocol in Appendix B of the CDMO manual.

## 5. Site location and character

(1) Goodwin Islands (37 deg 13' 02.65093"; 76 deg 23' 32.75799")

The Goodwin Islands component of the CBNERR-VA is on the mouth of the York River at the northeastern tip of York County. Circulation patterns at the Goodwin Islands are influenced by York River discharge and the wind patterns of the Chesapeake Bay. The Goodwin Islands represent relatively pristine marsh islands surrounded by intertidal flats, submerged aquatic vegetation (SAV) beds, oyster reefs, and shallow open estuarine waters. Dominant marsh species include Saltmarsh Cordgrass (*Spartina alterniflora*), Salt Grass (*Distichlis spicata*), and Saltmeadow Hay (*Spartina patens*). Estuarine scrub/shrub vegetation dominates the forested ridges. The sampling station is located in a shallow embayment on the southeastern side of the main island. The station is located approximately 400 meters from shore, average water depth on the order of 1m, amongst submerged aquatic vegetation beds dominated by eelgrass (*Zostera marina*) and Widgeon grass (*Ruppia maritima*). Salinity at this site ranges from 9.9-27.5 ppt and a multi-year average salinity is 19.3 ppt. Tides are semi-diurnal and range from 0.4-1.1 m. The data logger probes are located 0.5 m above the sandy substrate bottom. Potential activities that could impact the site include light recreational and commercial boating activity.

(2) Taskinas Creek (37 deg 24' 54.04617"; 76 deg 42' 51.75733")

The Taskinas Creek watershed is representative of an inner coastal plain rural watershed within the southern Chesapeake Bay system. Taskinas Creek is a third order stream approximately 3 km in length and flows in a northeasterly direction eventually emptying into the York River. This watershed is dominated by forested and agricultural land uses with an increasing urban land use component. The non-tidal portion of Taskinas Creek contains feeder streams, which drain oak-hickory forests, maple-gum-oak-ash swamps and freshwater marshes. Dominant low tidal creek marsh species include Saltmarsh cordgrass (*Spartina alterniflora*), Salt Grass (*Distichlis spicata*), and Saltmeadow Hay (*Spartina patens*) at the creek mouth, three-square (*Scirpus americanus* and *S. olneyi*) and Big Cordgrass (*Spartina cynosuroides*) in the middle marsh reaches, and freshwater mixed (no single species covers more than 50%) wetlands in the upstream reaches. The data logger station is located near the mouth of Taskinas Creek in the lower tidal creekbank region. Water depth and width are approximately 2 and 20m, respectively. Salinity at this site ranges from 0.2-20.3 ppt and a multi-year average salinity is 9.6 ppt. Tides are semi-diurnal and range from 0.4-1.2 m. The data logger probes are located 0.5 m above the mixed substrate (42% fine sand, 30% clay, and 28% silt) bottom. Potential activities that could impact the site include residential development, selective hardwood logging, and light recreational boating activity. Wildlife populations have been shown to influence microbiological water quality within the watershed.

#### 6. Data collection period:

Sampling at Taskinas Creek (TC) and Goodwin Islands (GI) began January 2001.

Sampling was continuous at both sites through December 2001. Please note: Frequent

time skips occurred due to low batteries, water leakage into the battery compartment,

and for no apparent reason.

Taskinas Creek (TC)

Deployment Date/Time  
(MM/DD/YY) (HH:MM:SS)

Retrieval Date/Time  
(MM/DD/YY) (HH:MM:SS)

|          |          |          |          |
|----------|----------|----------|----------|
| 12/17/00 | 14:30:00 | 01/04/01 | 14:45:00 |
| 01/04/01 | 15:00:00 | 01/17/01 | 11:00:00 |
| 01/17/01 | 11:15:00 | 01/31/01 | 10:00:00 |
| 01/31/01 | 10:15:00 | 02/15/01 | 13:00:00 |
| 02/15/01 | 13:15:00 | 02/28/01 | 10:30:00 |
| 02/28/01 | 10:45:00 | 03/14/01 | 10:00:00 |
| 03/14/01 | 10:15:00 | 03/29/01 | 11:30:00 |
| 03/29/01 | 11:45:00 | 04/11/01 | 10:45:00 |
| 04/11/01 | 11:00:00 | 04/24/01 | 14:00:00 |
| 04/24/01 | 14:15:00 | 05/07/01 | 16:30:00 |
| 05/07/01 | 16:45:00 | 05/15/01 | 14:30:00 |
| 05/15/01 | 14:45:00 | 05/22/01 | 13:15:00 |
| 05/22/01 | 13:30:00 | 05/30/01 | 10:15:00 |
| 05/30/01 | 10:30:00 | 06/06/01 | 16:15:00 |
| 06/06/01 | 16:30:00 | 06/13/01 | 14:45:00 |
| 06/13/01 | 15:00:00 | 06/22/01 | 07:45:00 |
| 06/22/01 | 08:00:00 | 06/27/01 | 08:45:00 |
| 06/27/01 | 09:00:00 | 07/03/01 | 15:00:00 |
| 07/03/01 | 15:15:00 | 07/12/01 | 13:00:00 |
| 07/12/01 | 13:15:00 | 07/19/01 | 15:15:00 |
| 07/19/01 | 15:30:00 | 07/26/01 | 11:00:00 |
| 07/26/01 | 11:15:00 | 08/02/01 | 07:15:00 |
| 08/02/01 | 07:30:00 | 08/08/01 | 10:15:00 |
| 08/08/01 | 10:30:00 | 08/15/01 | 14:45:00 |
| 08/15/01 | 15:00:00 | 08/22/01 | 17:15:00 |
| 08/22/01 | 17:30:00 | 08/29/01 | 14:30:00 |
| 08/29/01 | 14:45:00 | 09/04/01 | 16:00:00 |
| 09/04/01 | 16:15:00 | 09/13/01 | 15:15:00 |
| 09/13/01 | 15:30:00 | 09/18/01 | 08:30:00 |
| 09/18/01 | 08:45:00 | 10/04/01 | 09:45:00 |
| 10/04/01 | 10:00:00 | 10/17/01 | 11:15:00 |
| 10/17/01 | 11:30:00 | 11/01/01 | 12:30:00 |
| 11/01/01 | 12:45:00 | 11/14/01 | 10:00:00 |
| 11/14/01 | 10:15:00 | 11/28/01 | 13:15:00 |
| 11/28/01 | 13:30:00 | 12/12/01 | 16:00:00 |
| 12/12/01 | 16:15:00 | 12/21/01 | 14:15:00 |
| 12/21/01 | 14:30:00 | 01/05/02 | 15:30:00 |

Goodwin Island (GI)

| Deployment<br>(MM/DD/YY) | Date/Time<br>(HH:MM:SS) |
|--------------------------|-------------------------|
| 12/19/00                 | 11:00:00                |
| 01/04/01                 | 10:30:00                |
| 01/16/01                 | 11:45:00                |
| 02/02/01                 | 12:00:00                |
| 02/14/01                 | 15:45:00                |
| 02/28/01                 | 14:30:00                |
| 03/15/01                 | 10:15:00                |
| 03/27/01                 | 10:00:00                |
| 04/09/01                 | 09:15:00                |
| 04/17/01                 | 12:15:00                |
| 04/30/01                 | 11:45:00                |
| 05/15/01                 | 10:45:00                |
| 05/22/01                 | 10:15:00                |

| Retrieval<br>(MM/DD/YY) | Date/Time<br>(HH:MM:SS) |
|-------------------------|-------------------------|
| 01/04/01                | 10:15:00                |
| 01/16/01                | 11:30:00                |
| 02/02/01                | 11:45:00                |
| 02/14/01                | 15:30:00                |
| 02/28/01                | 14:15:00                |
| 03/15/01                | 10:00:00                |
| 03/27/01                | 09:45:00                |
| 04/09/01                | 09:00:00                |
| 04/17/01                | 12:00:00                |
| 04/30/01                | 11:30:00                |
| 05/15/01                | 10:30:00                |
| 05/22/01                | 10:00:00                |
| 05/29/01                | 14:45:00                |

|          |          |          |          |
|----------|----------|----------|----------|
| 05/29/01 | 15:00:00 | 06/05/01 | 08:00:00 |
| 06/05/01 | 08:15:00 | 06/12/01 | 16:00:00 |
| 06/12/01 | 16:15:00 | 06/20/01 | 15:00:00 |
| 06/20/01 | 15:15:00 | 06/26/01 | 16:30:00 |
| 06/26/01 | 16:45:00 | 07/05/01 | 08:15:00 |
| 07/05/01 | 08:30:00 | 07/12/01 | 08:30:00 |
| 07/12/01 | 08:45:00 | 07/17/01 | 14:30:00 |
| 07/17/01 | 14:45:00 | 07/24/01 | 09:45:00 |
| 07/24/01 | 10:00:00 | 07/31/01 | 12:00:00 |
| 07/31/01 | 12:15:00 | 08/09/01 | 10:00:00 |
| 08/09/01 | 10:00:00 | 08/16/01 | 14:45:00 |
| 08/16/01 | 15:00:00 | 08/24/01 | 13:15:00 |
| 08/24/01 | 13:30:00 | 08/28/01 | 13:45:00 |
| 08/28/01 | 14:00:00 | 09/06/01 | 10:45:00 |
| 09/06/01 | 11:00:00 | 09/13/01 | 11:00:00 |
| 09/13/01 | 11:15:00 | 09/18/01 | 15:30:00 |
| 09/18/01 | 15:45:00 | 09/25/01 | 11:00:00 |
| 09/25/01 | 11:15:00 | 10/11/01 | 16:00:00 |
| 10/11/01 | 16:15:00 | 10/30/01 | 15:15:00 |
| 10/30/01 | 15:30:00 | 11/15/01 | 08:45:00 |
| 11/15/01 | 09:00:00 | 11/30/01 | 12:45:00 |
| 11/30/01 | 13:00:00 | 12/11/01 | 14:45:00 |
| 12/11/01 | 15:00:00 | 12/20/01 | 12:00:00 |
| 12/20/01 | 12:15:00 | 01/10/02 | 10:45:00 |

#### 7. Distribution:

According to the Ocean and Coastal Resource Management Data Dissemination Policy

for the NERRS System-wide Monitoring Program, NOAA/ERD retains the right to

analyze, synthesize and publish summaries of the NERRS System-wide Monitoring

Program data. The PI retains the right to be fully credited for having collected and processed the data. Following academic courtesy standards, the PI

and NERR site where the data collected will be contacted and fully acknowledged

in any subsequent publications in which any part of the data are used.

Manuscripts resulting from the NOAA/OCRM supported research that are produced

for publication in open literature, including refereed scientific journals, will

acknowledge that the research was conducted under an award from the Estuarine

Reserves Division, Office of Ocean and Coastal Resource Management, National

Ocean Service, National Oceanic and Atmospheric Administration. The data set

enclosed with this package/transmission is only as good as the quality assurance

and quality control procedures outlined by the enclosed metadata reporting



statement. The user bears all responsibility for its subsequent use/misuse in any further analyses or comparisons. The Federal government does not assume liability to the Recipient or third persons, nor will the Federal government reimburse or indemnify the Recipient for its liability due to any losses resulting in any way for the use of this data.

NERR water quality data and metadata can be obtained from the Research Coordinator at the individual NERR site (please see section 1. Principal investigators and contact persons), from the Data Manager at the Centralized Data Management Office (please see personnel directory under general information link on CDMO homepage) and online at the CDMO homepage <http://cdmo.baruch.sc.edu>. Data are available in the text tab-delimited format, Microsoft Excel spreadsheet format and comma-delimited format.

#### 8. Associated researchers and projects:

A volunteer water quality monitoring program sponsored by the Alliance for the Chesapeake Bay has been ongoing at Taskinas Creek for several years, beginning January 10, 1990. This project samples some overlapping parameters including dissolved oxygen and salinity on a two-week basis.

## II. Physical Structure Descriptors

#### 9. Sensor specifications, range of measurements, units, resolution, and accuracy:

YSI 6000/6600 datalogger

| Variable                                   | Range of Measurements         | Resolution        |         |
|--------------------------------------------|-------------------------------|-------------------|---------|
| Accuracy                                   |                               |                   |         |
| Date                                       | 1-12, 1-31, 00-99 (Mo,Day,Yr) | 1 mo, 1 day, 1 yr | NA      |
| Time                                       | 0-24, 0-60, 0-60 (Hr,Min,Sec) | 1 hr, 1 min, 1 s  | NA      |
| Temp                                       | -5 to 45 (c)                  | 0.01 C            | +/-     |
| 0.15C                                      |                               |                   |         |
| Sp COND                                    | 0-100 (mS/cm)                 | 0.01mS/cm         | +/-0.5% |
| Of                                         |                               |                   |         |
| reading + 0.001mS/Cm                       |                               |                   |         |
| Salinity                                   | 0-70 Parts per thousand (ppt) | 0.01 ppt          | +/- 1%  |
| of                                         |                               |                   |         |
| Reading or 0.1 ppt, (whichever is greater) |                               |                   |         |
| DO                                         | 0-200 (% air saturation)      | 0.1% @air sat     | +/-2%   |
| @air                                       |                               |                   |         |
| Saturation                                 |                               |                   |         |
| DO                                         | 200-500 (% air saturation     | 0.1% @ air sat    | +/- 6%  |
| @                                          |                               |                   |         |
| Saturation                                 |                               |                   |         |

|                                         |              |            |        |
|-----------------------------------------|--------------|------------|--------|
| DO                                      | 0-20 (mg/l)  | 0.01 mg/l  | +/-    |
| 0.2mg/l                                 |              |            |        |
| DO                                      | 20-50 (mg/l) | 0.01 mg/l  | +/-    |
| 0.6mg/l                                 |              |            |        |
| Depth (shallow)                         | 0-9.1 (m)    | 0.001m     | +/-    |
| 0.018m                                  |              |            |        |
| PH                                      | 2-14 units   | 0.01 units | +/-    |
| 0.2units                                |              |            |        |
| Turb                                    | 0-1000 NTU   | 0.1 NTU    | +/- 5% |
| of                                      |              |            |        |
| Reading or 2 NTU (whichever is greater) |              |            |        |

Data columns are separated by tabs. Each file contains a two line column header at the top of the page which identifies measurements and units for each column.

#### 10. Coded variable indicator and variable code definitions

Site definitions: TC = Taskinas Creek, GI= Goodwin Islands  
 File definitions: YSI deployment month/day/year (example: TC 09/05/95 = Taskinas Creek data from September 5, 1995).

#### 11. Data anomalies (suspect data):

Frequent data anomalies were recorded in depth levels for several months potentially due to low-pressure weather fronts. This data remained in the database. According to the CDMO Operations Manual Version 3.0, depth measurements taken with the non-vented level probe can be influenced by up to 0.39 m (1.3 ft) during some low-pressure hurricane events. Specific dates and time ranges of potentially influenced data are listed with each respective month. Starting with January, data were extracted in accordance with Version 3.0 of the CDMO Manual.

January 2001:

TC:

01/04/01 14:45:00 - 01/31/01 23:45:00 Data lost due to a computer virus.

January 2001:

GI:

01/01/01 05:15:00 - 01/01/01 09:00:00 Time skip resulted in no data collection.

01/01/01 17:30:00 - 01/01/01 21:45:00 Time skip resulted in no data collection.

01/04/01 23:15:00 Suspect turbidity (59 NTU). Data retained.

01/05/01 10:15:00 - 01/05/01 12:00:00 Zero/negative depth due to low tides or

low-pressure system.  
01/05/01 21:00:00 - 01/06/01 00:00:00 Zero/negative depth due to low tides or low-pressure system.  
01/06/01 03:45:00 Zero/negative turbidity. Data retained.  
01/07/01 23:45:00 - 01/08/01 01:30:00 Zero/negative depth due to low tides or low-pressure system.  
01/08/01 13:00:00 - 01/08/01 14:15:00 Zero/negative depth due to low tides or low-pressure system.  
01/08/01 22:30:00 Zero/negative turbidity. Data retained.  
01/09/01 00:30:00 - 01/09/01 02:30:00 Zero/negative depth due to low tides or low-pressure system.  
01/10/01 01:00:00 - 01/10/01 01:30:00 Zero/negative depth due to low tides or low-pressure system.  
01/10/01 01:45:00 - 01/10/01 04:15:00 Time skip resulted in no data collection.  
01/10/01 04:30:00 - 01/10/01 05:00:00 Zero/negative depth due to low tides or low-pressure system.  
01/11/01 02:30:00 - 01/11/01 05:00:00 Time skip resulted in no data collection.  
01/11/01 16:15:00 Datalogger out of the water. Data deleted.  
01/17/01 12:00:00 Zero/negative turbidity. Data retained.  
01/17/01 12:45:00 Zero/negative turbidity. Data retained.  
01/19/01 08:45:00 Zero/negative turbidity. Data retained.  
01/19/01 15:30:00 Zero/negative turbidity. Data retained.  
01/19/01 16:00:00 Zero/negative turbidity. Data retained.  
01/27/01 04:15:00 - 01/27/01 04:45:00 Zero/negative depth due to low tides or low-pressure system.

February 2001:

TC:

02/01/01 00:00:00 - 02/28/01 23:45:00 Data lost due to a computer virus.

February 2001:

GI:

02/02/01 12:15:00 - 02/02/01 15:45:00 Zero/negative turbidity. Data retained.  
02/02/01 16:15:00 - 02/03/01 00:30:00 Zero/negative turbidity. Data retained.  
02/03/01 01:15:00 Zero/negative turbidity. Data retained.  
02/03/01 02:30:00 Zero/negative turbidity. Data retained.  
02/03/01 03:30:00 Zero/negative turbidity. Data retained.  
02/03/01 04:15:00 Zero/negative turbidity. Data retained.  
02/03/01 12:15:00 - 02/03/01 12:30:00 Zero/negative turbidity. Data retained.

02/03/01 14:15:00 - 02/03/2001 14:45:00 Zero/negative turbidity. Data retained.  
02/03/01 15:45:00 Zero/negative turbidity. Data retained. 02/03/01 18:00:00  
Zero/negative turbidity. Data retained.  
02/04/01 04:15:00 Zero/negative turbidity. Data retained.  
02/04/01 14:45:00 - 02/04/01 15:15:00 Zero/negative turbidity. Data retained.  
02/04/01 16:30:00 - 02/04/01 16:45:00 Zero/negative turbidity. Data retained.  
02/04/01 18:00:00 - 02/04/01 18:15:00 Zero/negative turbidity. Data retained.  
02/04/01 18:45:00 Zero/negative turbidity. Data retained.  
02/05/01 05:15:00 Zero/negative turbidity. Data retained.  
02/05/01 05:45:00 - 02/05/01 08:00:00 Zero/negative turbidity. Data retained.  
02/05/01 09:15:00 Zero/negative turbidity. Data retained.  
02/05/01 09:45:00 - 02/05/01 11:45:00 Zero/negative turbidity. Data retained.  
02/05/01 12:30:00 - 02/05/01 13:00:00 Zero/negative turbidity. Data retained.  
02/05/01 14:15:00 Zero/negative turbidity. Data retained.  
02/05/01 14:45:00 - 02/05/01 15:00:00 Zero/negative turbidity. Data retained.  
02/05/01 15:30:00 - 02/05/01 16:45:00 Zero/negative turbidity. Data retained.  
02/05/01 17:45:00 Zero/negative turbidity. Data retained.  
02/05/01 18:15:00 - 02/05/01 20:45:00 Zero/negative turbidity. Data retained.  
02/05/01 21:30:00 - 02/06/01 00:15:00 Zero/negative turbidity. Data retained.  
02/06/01 00:00:00 - 02/06/01 01:00:00 Zero/negative depth due to low tides or low-pressure system  
02/06/01 00:45:00 Zero/negative turbidity. Data retained.  
02/06/01 01:15:00 - 02/06/01 02:15:00 Zero/negative turbidity. Data retained.  
02/06/01 03:00:00 - 02/06/01 07:00:00 Zero/negative turbidity. Data retained.  
02/06/01 07:30:00 - 02/06/01 10:30:00 Zero/negative turbidity. Data retained.  
02/06/01 11:00:00 Zero/negative turbidity. Data retained.  
02/06/01 11:30:00 - 02/06/01 11:45:00 Zero/negative turbidity. Data retained.  
02/06/01 12:15:00 - 02/06/01 12:45:00 Zero/negative turbidity. Data retained.  
02/06/01 13:15:00 - 02/06/01 14:45:00 Zero/negative turbidity. Data retained.  
02/06/01 15:15:00 - 02/06/01 19:00:00 Zero/negative turbidity. Data retained.  
02/06/01 20:00:00 Zero/negative turbidity. Data retained.  
02/06/01 20:30:00 - 02/06/01 21:00:00 Zero/negative turbidity. Data retained.

02/06/01 21:30:00 - 02/06/01 21:45:00 Zero/negative turbidity. Data retained.  
02/06/01 22:15:00 Zero/negative turbidity. Data retained.  
02/07/01 00:00:00 - 02/07/01 00:15:00 Zero/negative depth due to low tides or low-pressure system.  
02/07/01 01:00:00 - 02/07/01 02:30:00 Zero/negative turbidity. Data retained.  
02/07/01 03:00:00 - 02/07/01 05:00:00 Zero/negative turbidity. Data retained.  
02/07/01 06:00:00 - 02/07/01 07:15:00 Zero/negative turbidity. Data retained.  
02/07/01 08:15:00 - 02/07/01 09:30:00 Zero/negative turbidity. Data retained.  
02/07/01 11:15:00 - 02/07/01 11:30:00 Zero/negative turbidity. Data retained.  
02/07/01 12:45:00 - 02/07/01 13:00:00 Zero/negative turbidity. Data retained.  
02/07/01 13:15:00 - 02/07/01 15:15:00 Time skip resulted in no data collection.  
02/07/01 18:00:00 Zero/negative turbidity. Data retained.  
02/07/01 18:30:00 Zero/negative turbidity. Data retained.  
02/07/01 19:45:00 - 02/07/01 20:00:00 Zero/negative turbidity. Data retained.  
02/07/01 20:30:00 - 02/07/01 20:45:00 Zero/negative turbidity. Data retained.  
02/07/01 21:15:00 Zero/negative turbidity. Data retained.  
02/08/01 00:45:00 - 02/08/01 04:00:00 Time skip resulted in no data collection.  
02/08/01 04:30:00 - 02/08/01 04:45:00 Zero/negative turbidity. Data retained.  
02/08/01 05:30:00 - 02/08/01 09:45:00 Zero/negative turbidity. Data retained.  
02/08/01 10:15:00 - 02/08/01 11:30:00 Zero/negative turbidity. Data retained.  
02/08/01 12:45:00 Zero/negative turbidity. Data retained.  
02/08/01 13:45:00 - 02/08/01 16:45:00 Time skip resulted in no data collection.  
02/08/01 18:45:00 - 02/08/01 22:15:00 Zero/negative turbidity. Data retained.  
02/08/01 22:45:00 - 02/08/01 23:45:00 Zero/negative turbidity. Data retained.  
02/09/01 00:15:00 - 02/09/01 00:45:00 Zero/negative turbidity. Data retained.  
02/09/01 01:30:00 - 02/09/01 01:45:00 Zero/negative turbidity. Data retained.  
02/09/01 02:15:00 - 02/09/01 04:45:00 Time skip resulted in no data collection.  
02/09/01 05:00:00 - 02/09/01 06:45:00 Zero/negative turbidity. Data retained.  
02/09/01 07:15:00 - 02/09/01 14:00:00 Zero/negative turbidity. Data retained.  
02/09/01 14:30:00 - 02/09/01 14:45:00 Zero/negative depth due to low tides or

low-pressure system.  
02/09/01 15:00:00 - 02/09/01 17:15:00 Time skip resulted in no data collection.  
02/09/01 17:30:00 - 02/09/01 18:00:00 Zero/negative depth due to low tides or low-pressure system.  
02/09/01 18:45:00 - 02/09/01 23:30:00 Zero/negative turbidity. Data retained.  
02/10/01 00:15:00 Zero/negative turbidity. Data retained.  
02/10/01 00:45:00 - 02/10/01 01:00:00 Zero/negative turbidity. Data retained.  
02/10/01 02:00:00 - 02/10/01 02:45:00 Zero/negative depth due to low tides or low-pressure system.  
02/10/01 03:00:00 - 02/10/01 06:00:00 Time skip resulted in no data collection.  
02/10/01 06:15:00 - 02/10/01 06:45:00 Zero/negative depth due to low tides or low-pressure system.  
02/10/01 07:15:00 - 02/10/01 08:45:00 Zero/negative turbidity. Data retained.  
02/10/01 09:15:00 - 02/10/01 13:00:00 Zero/negative turbidity. Data retained.  
02/10/01 14:00:00 Zero/negative turbidity. Data retained.  
02/10/01 16:15:00 - 02/10/01 17:30:00 Zero/negative depth due to low tides or low-pressure system.  
02/11/01 16:15:00 - 02/11/01 19:45:00 Time skip resulted in no data collection.  
02/12/01 04:30:00 - 02/12/01 07:45:00 Time skip resulted in no data collection.  
02/12/01 16:30:00 - 02/12/01 20:15:00 Time skip resulted in no data collection.  
02/13/01 05:45:00 - 02/13/01 06:00:00 Zero/negative turbidity. Data retained.  
02/13/01 06:30:00 - 02/13/01 07:15:00 Time skip resulted in no data collection.  
02/13/01 07:30:00 - 02/13/01 07:45:00 Zero/negative turbidity. Data retained.  
02/13/01 09:00:00 Zero/negative turbidity. Data retained.  
02/13/01 09:45:00 Zero/negative turbidity. Data retained.  
02/13/01 10:15:00 Zero/negative turbidity. Data retained.  
02/13/01 19:15:00 Zero/negative turbidity. Data retained.  
02/13/01 21:00:00 - 02/13/01 21:15:00 Zero/negative turbidity. Data retained.  
02/13/01 21:45:00 - 02/13/01 22:00:00 Zero/negative turbidity. Data retained.  
02/13/01 22:30:00 - 02/14/01 15:30:00 Zero/negative turbidity. Data retained.  
02/14/01 18:45:00 - 02/14/01 21:45:00 Zero/negative depth due to low tides or low-pressure system.  
02/15/01 08:30:00 - 02/15/01 09:30:00 Zero/negative depth due to low tides or

low-pressure system.

02/19/01 23:30:00 - 02/20/01 02:00:00 Zero/negative depth due to low tides or

low-pressure system.

02/20/01 12:00:00 - 02/20/01 15:45:00 Zero/negative depth due to low tides or

low-pressure system.

02/20/01 23:15:00 - 02/21/01 03:15:00 Zero/negative depth due to low tides or

low-pressure system.

02/21/01 12:30:00 - 02/21/01 15:15:00 Zero/negative depth due to low tides or

low-pressure system.

02/25/01 15:30:00 - 02/25/01 17:45:00 Zero/negative depth due to low tides or

low-pressure system.

02/26/01 03:00:00 - 02/26/01 05:45:00 Zero/negative depth due to low tides or

low-pressure system.

02/27/01 16:45:00 - 02/27/01 18:30:00 Zero/negative depth due to low tides or

low-pressure system.

March 2001:

TC:

03/01/01 00:00:00 - 03/29/01 12:00:00 Data lost due to a computer virus.

March 2001:

GI:

03/01/01 01:00:00 - 03/01/01 02:00:00 Zero/negative turbidity. Data retained.

03/01/01 02:30:00 - 03/01/01 02:45:00 Zero/negative turbidity. Data retained.

03/01/01 03:15:00 Zero/negative turbidity. Data retained.

03/01/01 03:45:00 Zero/negative turbidity. Data retained.

03/01/01 05:45:00 - 03/01/01 06:00:00 Zero/negative turbidity. Data retained.

03/01/01 06:30:00 - 03/01/01 06:45:00 Zero/negative turbidity. Data retained.

03/01/01 07:15:00 - 03/01/01 08:15:00 Zero/negative turbidity. Data retained.

03/01/01 09:00:00 - 03/01/01 09:30:00 Zero/negative turbidity. Data retained.

03/01/01 10:15:00 - 03/01/01 11:15:00 Zero/negative turbidity. Data retained.

03/01/01 23:00:00 - 03/02/01 10:30:00 Zero/negative turbidity. Data retained.

03/02/01 11:00:00 - 03/02/01 14:45:00 Zero/negative turbidity. Data retained.

03/02/01 15:15:00 Zero/negative turbidity. Data retained.

03/02/01 15:45:00 - 03/02/01 16:30:00 Zero/negative turbidity. Data retained.

03/02/01 22:00:00 - 03/03/01 09:00:00 Zero/negative turbidity. Data retained.  
03/03/01 09:30:00 - 03/03/01 17:30:00 Zero/negative turbidity. Data retained.  
03/03/01 18:00:00 - 03/03/01 21:45:00 Zero/negative turbidity. Data retained.  
03/03/01 22:15:00 - 03/04/01 07:15:00 Zero/negative turbidity. Data retained.  
03/05/01 04:30:00 - 03/05/01 05:45:00 Zero/negative turbidity. Data retained.  
03/05/01 10:45:00 - 03/05/01 11:00:00 Zero/negative turbidity. Data retained.  
03/05/01 11:30:00 Zero/negative turbidity. Data retained.  
03/06/01 06:30:00 - 03/06/01 07:00:00 Zero/negative turbidity. Data retained.  
03/06/01 11:45:00 - 03/06/01 14:15:00 Zero/negative depth due to low tides or low-pressure system.  
03/07/01 15:00:00 Suspect turbidity (499 NTU). Data retained.  
03/09/01 08:15:00 Zero/negative turbidity. Data retained.  
03/11/01 04:45:00 - 03/11/01 05:00:00 Zero/negative turbidity. Data retained.  
03/11/01 09:30:00 Zero/negative turbidity. Data retained.  
03/11/01 16:15:00 - 03/11/01 16:45:00 Time skip resulted in no data collection.  
03/11/01 21:15:00 - 03/11/01 21:45:00 Zero/negative turbidity. Data retained.  
03/11/01 22:15:00 - 03/11/01 22:30:00 Zero/negative turbidity. Data retained.  
03/11/01 23:00:00 - 03/12/01 00:15:00 Zero/negative turbidity. Data retained.  
03/12/01 00:45:00 - 03/12/01 01:00:00 Zero/negative turbidity. Data retained.  
03/12/01 02:30:00 Zero/negative turbidity. Data retained.  
03/12/01 17:15:00 - 03/12/01 18:00:00 Salinity data suspect due to low tide.  
Data retained  
03/13/01 04:30:00 - 03/13/01 07:15:00 Zero/negative depth due to low tides or low-pressure system.  
03/13/01 09:45:00 - 03/13/01 10:15:00 Zero/negative turbidity. Data retained.  
03/13/01 10:45:00 - 03/13/01 14:15:00 Zero/negative turbidity. Data retained.  
03/13/01 14:45:00 - 03/13/01 18:45:00 Zero/negative turbidity. Data retained.  
03/13/2001 16:15:00 - 03/13/01 19:30:00 Zero/negative depth due to low tides or low-pressure system.  
03/13/01 21:30:00 - 03/13/01 22:45:00 Zero/negative turbidity. Data retained.  
03/13/01 23:15:00 - 03/14/01 10:00:00 Zero/negative turbidity. Data retained.



03/14/01 10:45:00 - 03/14/01 15:45:00 Zero/negative turbidity. Data retained.  
03/14/01 16:15:00 - 03/14/01 19:15:00 Zero/negative turbidity. Data retained.  
03/14/01 19:45:00 - 03/14/01 22:30:00 Zero/negative turbidity. Data retained.  
03/14/01 23:00:00 - 03/15/01 03:45:00 Zero/negative turbidity. Data retained.  
03/15/01 04:15:00 - 03/15/01 06:30:00 Zero/negative turbidity. Data retained.  
03/15/01 07:00:00 - 03/15/01 08:15:00 Zero/negative turbidity. Data retained.  
03/15/01 10:15:00 Zero/negative depth due to low tides or low-pressure system.  
Data retained.  
03/17/01 01:45:00 Zero/negative turbidity. Data retained.  
03/17/01 02:15:00 - 03/17/01 02:45:00 Zero/negative turbidity. Data retained.  
03/17/01 03:45:00 Zero/negative turbidity. Data retained.  
03/17/01 05:30:00 Zero/negative turbidity. Data retained.  
03/17/01 06:00:00 - 03/17/01 06:15:00 Zero/negative turbidity. Data retained.  
03/17/01 06:45:00 Zero/negative turbidity. Data retained.  
03/17/01 08:00:00 Zero/negative turbidity. Data retained.  
03/17/01 08:30:00 - 03/17/01 08:45:00 Zero/negative turbidity. Data retained.  
03/17/01 09:15:00 - 03/17/01 09:30:00 Zero/negative turbidity. Data retained.  
03/17/01 10:00:00 - 03/17/01 11:45:00 Zero/negative turbidity. Data retained.  
03/17/01 12:45:00 - 03/17/01 13:15:00 Zero/negative turbidity. Data retained.  
03/17/01 17:45:00 Zero/negative turbidity. Data retained.  
03/17/01 22:30:00 - 03/17/01 22:45:00 Zero/negative turbidity. Data retained.  
03/17/01 23:15:00 - 03/17/01 23:30:00 Zero/negative turbidity. Data retained.  
03/18/01 00:00:00 - 03/18/01 00:45:00 Zero/negative turbidity. Data retained.  
03/18/01 01:15:00 - 03/18/01 01:45:00 Zero/negative turbidity. Data retained.  
03/17/01 04:00:00 Zero/negative turbidity. Data retained.  
03/23/01 13:15:00 - 03/23/01 15:15:00 Zero/negative depth due to low tides or low-pressure system  
03/24/01 02:30:00 Zero/negative depth due to low tides or low-pressure system.  
Data retained.  
03/24/01 12:45:00 - 03/24/01 16:45:00 Zero/negative depth due to low tides or low-pressure system  
03/24/01 15:00:00 - 03/24/01 15:30:00 Suspect turbidity (306 NTU). Data retained.  
03/24/01 16:45:00 - 03/24/01 17:00:00 Suspect turbidity (211 NTU). Data

retained.

03/25/01 14:15:00 - 03/25/01 16:15:00 Zero/negative depth due to low tides or low-pressure system.

03/27/01 10:00:00 - 03/27/01 11:00:00 Time skip resulted in no data collection.

03/27/01 11:45:00 Suspect turbidity (70 NTU). Data retained.

03/27/01 12:15:00 - 03/27/01 12:30:00 Time skip resulted in no data collection.

03/27/01 12:45:00 - 03/27/01 13:15:00 Suspect turbidity (259 NTU). Data retained.

April 2001:

TC:

04/08/01 00:00:00 Spike >1000 NTU in turbidity due to low tide. Data deleted.

04/08/01 02:45:00 - 04/08/01 03:00:00 Spike >1000 NTU in turbidity due to low tide. Data deleted.

04/11/01 09:45:00 - 04/24/01 12:30:00 Data lost due to a computer virus.

April 2001:

GI:

04/06/01 14:30:00 - 04/06/01 14:45:00 Zero/negative depth due to low tides or low-pressure system.

04/07/01 01:15:00 - 04/07/01 02:45:00 Zero/negative depth due to low tides or low-pressure system.

04/09/01 09:30:00 - 04/09/01 09:45:00 Datalogger out of the water. Data deleted.

04/09/01 13:00:00 Datalogger out of the water. Data deleted.

04/10/01 16:30:00 - 04/10/01 16:45:00 Suspect turbidity (123, 117 NTU). Data retained.

04/10/01 17:30:00 Suspect turbidity (138 NTU). Data retained.

04/21/01 01:30:00 and 04/21/01 02:00:00 Salinity deleted due to low tides.

04/22/01 01:00:00 - 04/22/01 03:00:00 Time skip resulted in no data collection.

04/22/01 13:00:00 - 04/22/01 15:15:00 Time skip resulted in no data collection.

04/23/01 01:00:00 - 04/23/01 04:15:00 Time skip resulted in no data collection.

04/23/01 12:15:00 Suspect turbidity (263 NTU). Data retained.

04/23/01 12:45:00 - 04/23/01 16:00:00 Time skip resulted in no data collection.

04/24/01 02:00:00 - 04/24/01 05:00:00 Time skip resulted in no data collection.

04/24/01 14:15:00 - 04/24/01 16:30:00 Time skip resulted in no data collection.

04/27/01 16:45:00 Suspect turbidity (297 NTU). Data retained.

04/30/01 19:00:00 - 04/30/01 22:15:00 Zero/negative depth due to low tides or low-pressure system.

May 2001

TC:

05/04/01 15:15:00 Spike >1000 NTU in turbidity. Data deleted.  
05/05/01 18:00:00 - 05/05/01 18:45:00 Spike >1000 NTU in turbidity. Data deleted.  
05/30/01 10:15:00 - 05/31/01 23:45:00 Time skip resulted in no data collection.

May 2001:

GI:

05/01/01 06:45:00 - 05/01/01 08:00:00 Zero/negative turbidity. Data retained.  
05/01/01 07:30:00 - 05/01/01 11:30:00 Zero/negative depth due to low tides or low-pressure system.  
05/01/01 08:30:00 - 05/01/01 09:30:00 Zero/negative turbidity. Data retained.  
05/01/01 10:00:00 - 05/01/01 10:30:00 Zero/negative turbidity. Data retained.  
05/01/01 11:30:00 Zero/negative turbidity. Data retained.  
05/01/01 20:00:00 - 05/01/01 23:30:00 Zero/negative depth due to low tides or low-pressure system.  
05/02/01 08:45:00 - 05/02/01 12:00:00 Zero/negative depth due to low tides or low-pressure system.  
05/02/01 09:30:00 - 05/02/01 10:00:00 Zero/negative turbidity. Data retained.  
05/02/01 11:00:00 - 05/02/01 11:15:00 Zero/negative turbidity. Data retained.  
05/02/01 21:45:00 - 05/03/01 00:00:00 Zero/negative depth due to low tides or low-pressure system.  
05/02/01 23:30:00 Zero/negative turbidity. Data retained.  
05/03/01 09:15:00 Zero/negative turbidity. Data retained.  
05/03/01 10:00:00 - 05/03/01 13:00:00 Zero/negative depth due to low tides or low-pressure system.  
05/03/01 10:45:00 Zero/negative turbidity. Data retained.  
05/03/01 11:30:00 - 05/03/01 11:45:00 Zero/negative turbidity. Data retained.  
05/03/01 22:15:00 - 05/04/01 01:45:00 Zero/negative depth due to low tides or low-pressure system.  
05/03/01 22:30:00 - 05/03/01 23:15:00 Zero/negative turbidity. Data retained.  
05/03/01 23:45:00 - 05/04/01 00:30:00 Zero/negative turbidity. Data retained.

05/04/01 10:30:00 - 05/04/01 14:15:00 Zero/negative depth due to low tides or low-pressure system.  
05/04/01 11:45:00 Zero/negative turbidity. Data retained.  
05/04/01 12:15:00 - 05/04/01 13:45:00 Zero/negative turbidity. Data retained.  
05/04/01 22:45:00 - 05/05/01 03:15:00 Zero/negative depth due to low tides or low-pressure system.  
05/05/01 00:30:00 - 05/05/01 01:15:00 Time skip resulted in no data collection.  
05/05/01 01:30:00 - 05/05/01 01:45:00 Suspect salinity data due to low water.  
Data retained.  
05/05/01 11:00:00 - 05/05/01 15:15:00 Zero/negative depth due to low tides or low-pressure system.  
05/05/01 12:30:00 Spike >1000 NTU in turbidity. Data deleted.  
05/05/01 12:45:00 - 05/05/01 13:15:00 Suspect turbidity (158, 384, 670 NTU).  
Data retained.  
05/05/01 13:30:00 Spike >1000 NTU in turbidity. Data deleted.  
05/05/01 13:45:00 Suspect turbidity. Data retained.  
05/05/01 14:00:00 Spike >1000 NTU in turbidity. Data deleted.  
05/05/01 15:15:00 Zero/negative turbidity. Data retained.  
05/06/01 01:00:00 - 05/06/01 02:45:00 Zero/negative depth due to low tides or low-pressure system.  
05/06/01 13:00:00 - 05/06/01 13:30:00 Suspect turbidity (522 NTU). Data retained.  
05/09/01 03:00:00 - 05/09/01 17:00:00 Zero/negative depth due to low tides or low-pressure system.  
05/09/01 03:45:00 - 05/09/01 04:30:00 Zero/negative turbidity. Data retained.  
05/09/01 05:00:00 Zero/negative turbidity. Data retained.  
05/10/01 02:30:00 Zero/negative turbidity. Data retained.  
05/10/01 03:00:00 - 05/10/01 06:45:00 Zero/negative turbidity. Data retained.  
05/10/01 03:30:00 - 05/10/01 06:15:00 Zero/negative depth due to low tides or low-pressure system.  
05/10/01 15:45:00 - 05/10/01 17:45:00 Zero/negative depth due to low tides or low-pressure system.  
05/10/01 18:45:00 Zero/negative turbidity. Data retained.  
05/11/01 01:45:00 - 05/11/01 02:00:00 Zero/negative turbidity. Data retained.  
05/11/01 02:45:00 - 05/11/01 04:45:00 Zero/negative turbidity. Data retained.  
05/11/01 04:30:00 - 05/11/01 18:15:00 Zero/negative depth due to low tides or low-pressure system.

05/11/01 05:15:00 - 05/11/01 06:30:00 Zero/negative turbidity. Data retained.  
05/11/01 07:30:00 - 05/11/01 07:45:00 Zero/negative turbidity. Data retained.  
05/11/01 15:30:00 Zero/negative turbidity. Data retained.  
05/11/01 16:45:00 Zero/negative turbidity. Data retained.  
05/11/01 17:15:00 Zero/negative turbidity. Data retained.  
05/11/01 18:00:00 Zero/negative turbidity. Data retained.  
05/11/01 18:45:00 - 05/11/01 19:00:00 Zero/negative turbidity. Data retained.  
05/12/01 04:15:00 - 05/12/01 06:15:00 Zero/negative turbidity. Data retained.  
05/12/01 05:15:00 - 05/12/01 07:30:00 Zero/negative depth due to low tides or low-pressure system.  
05/12/01 07:00:00 - 05/12/01 07:15:00 Zero/negative turbidity. Data retained.  
05/12/01 18:15:00 - 05/12/01 18:30:00 Zero/negative turbidity. Data retained.  
05/12/01 18:15:00 - 05/12/01 18:45:00 Zero/negative depth due to low tides or low-pressure system.  
05/12/01 19:15:00 - 05/12/01 19:30:00 Zero/negative turbidity. Data retained.  
05/12/01 20:00:00 - 05/12/01 21:15:00 Zero/negative turbidity. Data retained.  
05/12/01 22:15:00 - 05/12/01 23:00:00 Zero/negative turbidity. Data retained.  
05/13/01 03:45:00 - 05/13/01 09:00:00 Zero/negative turbidity. Data retained.  
05/13/01 12:00:00 Zero/negative turbidity. Data retained.  
05/13/01 14:15:00 - 05/13/01 15:00:00 Zero/negative turbidity. Data retained.  
05/13/01 16:15:00 - 05/13/01 19:15:00 Zero/negative turbidity. Data retained.  
05/13/01 20:00:00 Zero/negative turbidity. Data retained.  
05/13/01 20:30:00 - 05/13/01 21:15:00 Zero/negative turbidity. Data retained.  
05/13/01 22:15:00 Zero/negative turbidity. Data retained.  
05/14/01 04:15:00 Zero/negative turbidity. Data retained.  
05/14/01 05:00:00 - 05/14/01 06:00:00 Zero/negative turbidity. Data retained.  
05/14/01 06:30:00 - 05/14/01 08:30:00 Zero/negative turbidity. Data retained.  
05/14/01 09:15:00 Zero/negative turbidity. Data retained.  
05/14/01 09:45:00 - 05/14/01 10:30:00 Zero/negative turbidity. Data retained.  
05/15/01 03:30:00 Suspect salinity data. Data retained.  
05/15/01 10:45:00 - 05/16/01 01:45:00 Zero/negative turbidity. Data retained.  
05/16/01 04:15:00 Zero/negative turbidity. Data retained.  
05/16/01 04:45:00 - 05/16/01 08:45:00 Zero/negative turbidity. Data retained.  
05/16/01 09:15:00 Zero/negative turbidity. Data retained.

05/16/01 09:45:00 Zero/negative turbidity. Data retained.  
05/18/01 09:00:00 Zero/negative turbidity. Data retained.  
05/18/01 09:30:00 Zero/negative turbidity. Data retained.  
05/18/01 10:00:00 - 05/18/01 13:45:00 Zero/negative turbidity. Data retained.  
05/18/01 14:15:00 - 05/18/01 14:45:00 Zero/negative turbidity. Data retained.  
05/18/01 22:00:00 - 05/18/01 23:15:00 Zero/negative turbidity. Data retained.  
05/18/01 23:45:00 - 05/19/01 00:15:00 Zero/negative turbidity. Data retained.  
05/19/01 00:45:00 - 05/19/01 01:15:00 Zero/negative turbidity. Data retained.  
05/19/01 05:15:00 Zero/negative turbidity. Data retained.  
05/19/01 05:45:00 - 05/19/01 07:15:00 Zero/negative turbidity. Data retained.  
05/19/01 07:45:00 - 05/19/01 19:30:00 Zero/negative turbidity. Data retained.  
05/19/01 20:15:00 - 05/20/01 04:30:00 Zero/negative turbidity. Data retained.  
05/20/01 05:00:00 - 05/20/01 08:15:00 Zero/negative turbidity. Data retained.  
05/21/01 03:30:00 Suspect turbidity (895 NTU). Data retained.  
05/22/01 01:00:00 Zero/negative turbidity. Data retained.  
05/22/01 01:45:00 - 05/22/01 02:45:00 Zero/negative turbidity. Data retained.  
05/24/01 15:30:00 Spike >1000 NTU in turbidity. Data deleted.  
05/29/01 10:15:00 - 05/29/01 10:30:00 Zero/negative turbidity. Data retained.  
05/29/01 19:00:00 - 05/29/01 19:45:00 Zero/negative turbidity. Data retained.  
05/29/01 20:15:00 - 05/29/01 20:30:00 Zero/negative turbidity. Data retained.  
05/29/01 21:15:00 - 05/29/01 22:30:00 Zero/negative turbidity. Data retained.  
05/30/01 05:15:00 Zero/negative turbidity. Data retained.  
05/30/01 05:45:00 - 05/30/01 11:00:00 Zero/negative turbidity. Data retained.  
05/30/01 20:15:00 - 05/30/01 21:30:00 Zero/negative turbidity. Data retained.  
05/30/01 22:00:00 Zero/negative turbidity. Data retained.  
05/30/01 22:15:00 - 05/31/01 00:30:00 Zero/negative turbidity. Data retained.  
05/31/01 00:45:00 Zero/negative turbidity. Data retained.  
05/31/01 05:00:00 - 05/31/01 13:00:00 Zero/negative turbidity. Data retained.  
05/31/01 19:30:00 - 05/31/01 20:00:00 Zero/negative turbidity. Data retained.  
05/31/01 21:00:00 - 05/31/01 21:30:00 Zero/negative turbidity. Data retained.  
05/31/01 22:00:00 Zero/negative turbidity. Data retained.  
05/31/01 22:30:00 - 05/31/01 23:45:00 Zero/negative turbidity. Data retained.

June 2001:

TC:

06/01/01 00:00:00 - 06/06/01 15:45:00 Time skip resulted in no data collection.  
06/13/01 14:45:00 - 06/22/01 07:30:00 Turbidity data deleted due to probe malfunction.  
06/29/01 16:15:00 Spike >1000 NTU in turbidity. Data deleted.  
06/29/01 17:45:00 Spike >1000 NTU in turbidity. Data deleted.

June 2001:

GI:

06/01/01 00:00:00 - 06/01/01 00:45:00 Zero/negative turbidity. Data retained.  
06/02/01 12:00:00 - 06/02/01 13:15:00 Zero/negative turbidity. Data retained.  
06/03/01 00:00:00 - 06/03/01 00:15:00 Zero/negative turbidity. Data retained.  
06/03/01 00:45:00 - 06/03/01 02:15:00 Zero/negative turbidity. Data retained.  
06/03/01 11:45:00 Zero/negative turbidity. Data retained.  
06/03/01 12:15:00 - 06/03/01 14:00:00 Zero/negative turbidity. Data retained.  
06/03/01 22:30:00 - 06/03/01 23:00:00 Zero/negative turbidity. Data retained.  
06/03/01 23:30:00 - 06/04/01 04:30:00 Zero/negative turbidity. Data retained.  
06/04/01 09:45:00 - 06/04/01 10:30:00 Zero/negative turbidity. Data retained.  
06/04/01 11:00:00 - 06/04/01 16:30:00 Zero/negative turbidity. Data retained.  
06/05/01 02:30:00 - 06/05/01 04:00:00 Zero/negative turbidity. Data retained.  
06/05/01 10:45:00 Zero/negative turbidity. Data retained.  
06/05/01 11:15:00 - 06/05/01 13:00:00 Zero/negative turbidity. Data retained.  
06/05/01 13:30:00 - 06/05/01 14:30:00 Zero/negative turbidity. Data retained.  
06/05/01 14:00:00 Time skip resulted in no data collection.  
06/05/01 15:00:00 Suspect turbidity (797 NTU). Data retained.  
06/05/01 16:30:00 Zero/negative turbidity. Data retained.  
06/06/01 02:00:00 - 06/06/01 05:15:00 Zero/negative turbidity. Data retained.  
06/06/01 06:00:00 Zero/negative turbidity. Data retained.  
06/06/01 13:15:00 - 06/06/01 13:30:00 Zero/negative turbidity. Data retained.  
06/06/01 14:15:00 - 06/06/01 15:15:00 Zero/negative turbidity. Data retained.  
06/07/01 00:45:00 Zero/negative turbidity. Data retained.  
06/07/01 01:15:00 - 06/07/01 01:45:00 Zero/negative turbidity. Data retained.  
06/07/01 02:15:00 - 06/07/01 03:00:00 Zero/negative turbidity. Data retained.

06/07/01 04:00:00 Zero/negative turbidity. Data retained.  
06/07/01 05:00:00 Zero/negative turbidity. Data retained.  
06/07/01 05:30:00 - 06/07/01 06:30:00 Zero/negative turbidity. Data retained.  
06/07/01 14:00:00 - 06/07/01 16:00:00 Zero/negative turbidity. Data retained.  
06/07/01 16:30:00 Zero/negative turbidity. Data retained.  
06/08/01 00:30:00 - 06/08/01 06:45:00 Zero/negative turbidity. Data retained.  
06/09/01 03:15:00 - 06/09/01 05:30:00 Zero/negative turbidity. Data retained.  
06/09/01 06:00:00 - 06/09/01 07:45:00 Zero/negative turbidity. Data retained.  
06/09/01 14:00:00 Zero/negative turbidity. Data retained.  
06/09/01 14:30:00 Zero/negative turbidity. Data retained.  
06/09/01 15:15:00 - 06/09/01 15:30:00 Zero/negative turbidity. Data retained.  
06/09/01 16:00:00 Zero/negative turbidity. Data retained.  
06/09/01 16:45:00 Zero/negative turbidity. Data retained.  
06/09/01 17:00:00 Suspect turbidity (397 NTU). Data retained.  
06/09/01 18:30:00 - 06/09/01 19:15:00 Zero/negative turbidity. Data retained.  
06/10/01 01:30:00 - 06/10/01 02:00:00 Zero/negative turbidity. Data retained.  
06/10/01 02:30:00 - 06/10/01 06:00:00 Zero/negative turbidity. Data retained.  
06/10/01 06:30:00 - 06/10/01 08:15:00 Zero/negative turbidity. Data retained.  
06/10/01 15:45:00 Zero/negative turbidity. Data retained.  
06/11/01 03:00:00 - 06/11/01 07:15:00 Zero/negative turbidity. Data retained.  
06/11/01 07:45:00 - 06/11/01 08:00:00 Zero/negative turbidity. Data retained.  
06/11/01 08:30:00 - 06/11/01 09:15:00 Zero/negative turbidity. Data retained.  
06/11/01 18:00:00 Zero/negative turbidity. Data retained.  
06/11/01 18:45:00 Suspect turbidity (400 NTU). Data retained.  
06/12/01 04:30:00 - 06/12/01 04:45:00 Zero/negative turbidity. Data retained.  
06/12/01 05:15:00 - 06/12/01 08:00:00 Zero/negative turbidity. Data retained.  
06/12/01 08:30:00 - 06/12/01 08:45:00 Zero/negative turbidity. Data retained.  
06/18/01 00:00:00 Zero/negative turbidity. Data retained.  
06/18/01 00:30:00 Zero/negative turbidity. Data retained.  
06/18/01 01:00:00 - 06/18/01 01:15:00 Zero/negative turbidity. Data retained.  
06/20/01 14:45:00 - 06/20/01 15:00:00 Time skip resulted in no data collection.  
06/20/01 19:15:00 Time skip resulted in no data collection.  
06/20/01 19:45:00 - 06/20/01 20:00:00 Time skip resulted in no data collection.  
06/21/01 01:30:00 - 06/21/01 04:45:00 Zero/negative turbidity. Data retained.



06/21/01 18:15:00 - 06/21/01 20:00:00 Time skip resulted in no data collection.  
06/21/01 20:30:00 - 06/21/01 21:00:00 Time skip resulted in no data collection.  
06/21/01 21:30:00 Time skip resulted in no data collection.  
06/22/01 03:00:00 - 06/22/01 04:30:00 Zero/negative turbidity. Data retained.  
06/22/01 13:30:00 - 06/22/01 14:00:00 Suspect turbidity (812 NTU). Data retained.  
06/22/01 22:30:00 - 06/23/01 00:00:00 Time skip resulted in no data collection.  
06/23/01 09:15:00 Time skip resulted in no data collection.  
06/23/01 10:30:00 - 06/26/01 16:00:00 Time skip resulted in no data collection.  
06/26/01 16:15:00 Datalogger out of the water. Data deleted.  
06/26/01 17:00:00 Zero/negative turbidity. Data retained.  
06/26/01 17:30:00 - 06/26/01 17:45:00 Zero/negative turbidity. Data retained.  
06/26/01 18:15:00 Zero/negative turbidity. Data retained.  
06/26/01 18:45:00 Zero/negative turbidity. Data retained.  
06/26/01 19:30:00 - 06/26/01 20:15:00 Zero/negative turbidity. Data retained.  
06/26/01 20:45:00 Zero/negative turbidity. Data retained.  
06/27/01 05:30:00 - 06/27/01 06:00:00 Zero/negative turbidity. Data retained.  
06/27/01 06:30:00 - 06/27/01 08:30:00 Zero/negative turbidity. Data retained.  
06/27/01 09:15:00 Zero/negative turbidity. Data retained.  
06/27/01 09:45:00 Zero/negative turbidity. Data retained.  
06/27/01 10:30:00 - 06/27/01 10:45:00 Zero/negative turbidity. Data retained.  
06/27/01 11:15:00 Zero/negative turbidity. Data retained.  
06/27/01 16:45:00 Zero/negative turbidity. Data retained.  
06/27/01 18:00:00 Zero/negative turbidity. Data retained.  
06/27/01 19:30:00 Zero/negative turbidity. Data retained.  
06/27/01 20:00:00 - 06/27/01 21:30:00 Zero/negative turbidity. Data retained.  
06/28/01 04:30:00 - 06/28/01 11:30:00 Zero/negative turbidity. Data retained.  
06/28/01 08:15:00 - 06/28/01 09:15:00 Zero/negative depth due to low tides or low-pressure system.  
06/28/01 18:15:00 - 06/28/01 18:45:00 Zero/negative turbidity. Data retained.  
06/28/01 19:30:00 Zero/negative turbidity. Data retained.  
06/28/01 20:15:00 - 06/28/01 21:30:00 Zero/negative turbidity. Data retained.  
06/28/01 22:15:00 Zero/negative turbidity. Data retained.  
06/29/01 05:45:00 Zero/negative turbidity. Data retained.  
06/29/01 06:30:00 - 06/29/01 10:00:00 Zero/negative turbidity. Data retained.  
06/29/01 09:15:00 - 06/29/01 10:15:00 Zero/negative depth due to low tides or low-pressure system.

06/29/01 10:45:00 Zero/negative turbidity. Data retained.  
06/29/01 11:15:00 Zero/negative turbidity. Data retained.  
06/29/01 22:15:00 - 06/29/01 23:00:00 Zero/negative turbidity. Data retained.  
06/29/01 23:30:00 - 06/30/01 00:15:00 Zero/negative turbidity. Data retained.  
06/30/01 08:15:00 - 06/30/01 10:15:00 Zero/negative turbidity. Data retained.  
06/30/01 10:45:00 - 06/30/01 11:45:00 Zero/negative turbidity. Data retained.  
06/30/01 21:45:00 - 06/30/01 22:00:00 Zero/negative turbidity. Data retained.  
06/30/01 22:30:00 - 06/30/01 23:45:00 Zero/negative turbidity. Data retained.  
06/30/01 23:00:00 - 06/30/01 23:45:00 Zero/negative depth due to low tides or low-pressure system.

July 2001:

TC:

07/06/01 23:30:00 Spike >1000 NTU in turbidity. Data deleted.  
07/17/01 03:45:00 - 07/19/01 15:15:00 DO data deleted.  
07/18/01 08:00:00 Spike >1000 NTU in turbidity. Data deleted.  
07/24/01 12:00:00 Spike >1000 NTU in turbidity. Data deleted.  
07/26/01 10:45:00 Depth data deleted.  
07/26/01 10:45:00 - 07/31/01 23:45:00 pH probe not deployed. No data reported.

July 2001:

GI:

07/01/01 00:00:00 - 07/01/01 01:30:00 Zero/negative turbidity. Data retained.  
07/01/01 00:00:00 - 07/01/01 00:15:00 Zero/negative depth due to low tides or low-pressure system.  
07/01/01 09:30:00 - 07/01/01 13:45:00 Zero/negative depth due to low tides or low-pressure system.  
07/01/01 09:45:00 - 07/01/01 10:00:00 Zero/negative turbidity. Data retained.  
07/01/01 10:30:00 Zero/negative turbidity. Data retained.  
07/01/01 11:00:00 - 07/01/01 11:15:00 Zero/negative turbidity. Data retained.  
07/01/01 11:45:00 - 07/01/01 12:00:00 Zero/negative turbidity. Data retained.  
07/01/01 22:30:00 Zero/negative turbidity. Data retained.  
07/01/01 22:45:00 - 07/01/01 23:30:00 Zero/negative depth due to low tides or low-pressure system.  
07/01/01 23:15:00 Zero/negative turbidity. Data retained.  
07/02/01 00:00:00 Zero/negative turbidity. Data retained.

07/02/01 00:30:00 - 07/02/01 01:45:00 Zero/negative depth due to low tides or low-pressure system.  
07/02/01 01:00:00 - 07/02/01 02:00:00 Zero/negative turbidity. Data retained.  
07/03/01 00:45:00 - 07/03/01 02:15:00 Zero/negative depth due to low tides or low-pressure system.  
07/03/01 00:15:00 - 07/03/01 02:15:00 Zero/negative turbidity. Data retained.  
07/03/01 02:45:00 - 07/03/01 03:45:00 Zero/negative turbidity. Data retained.  
07/03/01 04:30:00 Zero/negative turbidity. Data retained.  
07/03/01 23:30:00 - 07/04/01 04:30:00 Zero/negative turbidity. Data retained.  
07/04/01 11:45:00 - 07/04/01 15:15:00 Zero/negative turbidity. Data retained.  
07/04/01 01:30:00 - 07/04/01 02:45:00 Zero/negative depth due to low tides or low-pressure system.  
07/04/01 13:15:00 - 07/04/01 15:15:00 Zero/negative depth due to low tides or low-pressure system.  
07/05/01 00:15:00 - 07/05/01 04:30:00 Zero/negative turbidity. Data retained.  
07/05/01 01:30:00 - 07/05/01 04:30:00 Zero/negative depth due to low tides or low-pressure system.  
07/05/01 08:30:00 - 07/12/01 07:15:00 Time skip resulted in no data collection.  
07/12/01 07:30:00 - 07/12/01 08:30:00 Zero/negative turbidity. Data retained.  
07/12/01 08:45:00 Datalogger out of the water. No data available.  
07/13/01 06:45:00 - 07/13/01 09:00:00 Zero/negative turbidity. Data retained.  
07/14/01 05:00:00 Zero/negative turbidity. Data retained.  
07/14/01 05:30:00 - 07/14/01 05:45:00 Zero/negative turbidity. Data retained.  
07/14/01 06:15:00 - 07/14/01 09:15:00 Zero/negative turbidity. Data retained.  
07/15/01 07:00:00 Zero/negative turbidity. Data retained.  
07/15/01 07:45:00 - 07/15/01 08:00:00 Zero/negative turbidity. Data retained.  
07/15/01 08:30:00 - 07/15/01 08:45:00 Zero/negative turbidity. Data retained.  
07/15/01 09:15:00 - 07/15/01 10:15:00 Zero/negative turbidity. Data retained.  
07/16/01 08:30:00 Zero/negative turbidity. Data retained.  
07/16/01 09:00:00 - 07/16/01 09:45:00 Zero/negative turbidity. Data retained.  
07/16/01 10:30:00 - 07/16/01 10:45:00 Zero/negative turbidity. Data retained.  
07/16/01 11:30:00 Zero/negative turbidity. Data retained.  
07/17/01 14:45:00 Time skip resulted in no data collection.

07/17/01 15:45:00 Time skip resulted in no data collection.  
07/17/01 18:00:00 Time skip resulted in no data collection.  
07/17/01 19:15:00 Time skip resulted in no data collection.  
07/17/01 21:00:00 Time skip resulted in no data collection.  
07/18/01 00:00:00 - 07/18/01 02:00:00 Zero/negative depth due to low  
tides or  
low-pressure system.  
07/18/01 04:30:00 Time skip resulted in no data collection.  
07/18/01 05:00:00 Time skip resulted in no data collection.  
07/18/01 08:00:00 - 07/18/01 08:30:00 Time skip resulted in no data  
collection  
07/19/01 06:15:00 Time skip resulted in no data collection  
07/19/01 06:30:00 Zero/negative turbidity. Data retained.  
07/19/01 07:30:00 Time skip resulted in no data collection.  
07/19/01 17:30:00 Time skip resulted in no data collection.  
07/19/01 18:00:00 - 07/19/01 21:45:00 Time skip resulted in no data  
collection.  
07/19/01 22:15:00 - 07/19/01 23:30:00 Time skip resulted in no data  
collection.  
07/20/01 01:30:00 Time skip resulted in no data collection.  
07/20/01 02:45:00 - 07/20/01 03:00:00 Time skip resulted in no data  
collection.  
07/20/01 03:30:00 - 07/20/01 04:30:00 Time skip resulted in no data  
collection.  
07/20/01 06:15:00 - 07/20/01 07:30:00 Time skip resulted in no data  
collection.  
07/20/01 08:00:00 - 07/20/01 09:30:00 Time skip resulted in no data  
collection.  
07/20/01 10:00:00 - 07/20/01 10:30:00 Time skip resulted in no data  
collection.  
07/20/01 17:45:00 - 07/20/01 23:15:00 Time skip resulted in no data  
collection  
07/21/01 00:00:00 Time skip resulted in no data collection.  
07/21/01 00:45:00 Time skip resulted in no data collection.  
07/21/01 02:15:00 Time skip resulted in no data collection.  
07/21/01 05:00:00 - 07/21/01 05:45:00 Time skip resulted in no data  
collection.  
07/21/01 06:30:00 - 07/21/01 07:00:00 Time skip resulted in no data  
collection.  
07/21/01 07:30:00 - 07/21/01 11:15:00 Time skip resulted in no data  
collection.  
07/21/01 12:15:00 Time skip resulted in no data collection.  
07/21/01 18:15:00 - 07/21/01 18:45:00 Time skip resulted in no data  
collection.  
07/21/01 19:15:00 - 07/21/01 19:30:00 Time skip resulted in no data  
collection.  
07/21/01 20:30:00 - 07/21/01 20:45:00 Time skip resulted in no data  
collection.  
07/21/01 21:15:00 - 07/21/01 22:00:00 Time skip resulted in no data  
collection.  
07/21/01 22:30:00 - 07/22/01 00:15:00 Time skip resulted in no data  
collection.  
07/22/01 00:45:00 Time skip resulted in no data collection.

07/22/01 06:30:00 - 07/22/01 07:15:00 Time skip resulted in no data collection.  
07/22/01 08:00:00 - 07/22/01 11:30:00 Time skip resulted in no data collection.  
07/22/01 18:30:00 Time skip resulted in no data collection.  
07/22/01 20:00:00 - 07/22/01 20:15:00 Time skip resulted in no data collection.  
07/22/01 21:15:00 Time skip resulted in no data collection.  
07/22/01 22:00:00 Time skip resulted in no data collection.  
07/22/01 22:45:00 - 07/22/01 23:30:00 Time skip resulted in no data collection.  
07/23/01 01:45:00 Time skip resulted in no data collection.  
07/23/01 02:15:00 Time skip resulted in no data collection.  
07/23/01 10:00:00 - 07/23/01 12:30:00 Time skip resulted in no data collection.  
07/23/01 13:15:00 - 07/23/01 13:45:00 Time skip resulted in no data collection.  
07/23/01 14:30:00 Time skip resulted in no data collection.  
07/23/01 16:45:00 - 07/23/01 17:45:00 Time skip resulted in no data collection.  
07/23/01 19:00:00 Time skip resulted in no data collection.  
07/23/01 20:30:00 Time skip resulted in no data collection.  
07/23/01 22:00:00 Time skip resulted in no data collection.  
07/23/01 22:45:00 - 07/23/01 23:30:00 Time skip resulted in no data collection.  
07/24/01 09:30:00 Time skip resulted in no data collection.  
07/24/01 18:00:00 - 07/24/01 18:30:00 Zero/negative depth due to low tides or low-pressure system.  
07/25/01 06:00:00 - 07/25/01 08:00:00 Datalogger out of the water. Data deleted.  
07/25/01 17:30:00 - 07/25/01 20:15:00 Zero/negative depth due to low tides or low-pressure system.  
07/26/01 05:15:00 - 07/26/01 10:00:00 Zero/negative depth due to low tides or low-pressure system.  
07/26/01 06:00:00 - 07/26/01 09:30:00 Datalogger out of the water. Data deleted.  
07/26/01 18:45:00 - 07/26/01 19:45:00 Zero/negative depth due to low tides or low-pressure system.  
07/30/01 17:45:00 Suspect turbidity (911 NTU). Data retained.  
07/31/01 12:45:00 - 07/31/01 13:00:00 Time skip resulted in no data collection.  
07/31/01 15:00:00 - 07/31/01 20:30:00 Time skip resulted in no data collection.  
07/31/01 22:15:00 - 07/31/01 23:45:00 Zero/negative turbidity. Data retained.

August 2001:

TC:

08/01/01 00:00:00 - 08/02/01 06:45:00 pH probe not deployed. No data recorded.  
08/02/01 07:00:00 Time skip resulted in no data collection.  
08/22/01 17:15:00 Datalogger out of the water due to equipment exchange. No data recorded.  
08/29/01 13:45:00 - 08/29/01 14:15:00 Depth data deleted.

August 2001:

GI:

08/01/01 00:00:00 - 08/01/01 03:45:00 Zero/negative turbidity. Data retained.  
08/01/01 04:15:00 - 08/01/01 04:30:00 Zero/negative turbidity. Data retained.  
08/01/01 06:30:00 Time skip resulted in no data collection.  
08/01/01 07:30:00 Time skip resulted in no data collection.  
08/01/01 08:00:00 Zero/negative turbidity. Data retained.  
08/01/01 08:15:00 - 08/01/01 09:00:00 Time skip resulted in no data collection.  
08/01/01 09:15:00 Zero/negative turbidity. Data retained.  
08/01/01 09:30:00 - 08/01/01 09:45:00 Time skip resulted in no data collection.  
08/01/01 10:00:00 Zero/negative turbidity. Data retained.  
08/01/01 10:15:00 Time skip resulted in no data collection.  
08/01/01 10:30:00 - 08/01/01 13:30:00 Zero/negative turbidity. Data retained  
08/01/01 14:00:00 - 08/01/01 14:45:00 Zero/negative turbidity. Data retained  
08/01/01 18:30:00 - 08/01/01 23:00:00 Time skip resulted in no data collection.  
08/01/01 23:30:00 Time skip resulted in no data collection.  
08/02/01 00:00:00 - 08/02/01 00:15:00 Time skip resulted in no data collection.  
08/02/01 02:15:00 - 08/02/01 02:45:00 Zero/negative turbidity. Data retained  
08/02/01 08:00:00 - 08/02/01 08:30:00 Time skip resulted in no data collection.  
08/02/01 08:45:00 Zero/negative turbidity. Data retained.  
08/02/01 09:15:00 Time skip resulted in no data collection.  
08/02/01 09:45:00 - 08/02/01 11:15:00 Time skip resulted in no data collection.  
08/02/01 11:45:00 Time skip resulted in no data collection.  
08/02/01 12:15:00 Zero/negative turbidity. Data retained.  
08/02/01 12:30:00 Suspect turbidity (728 NTU). Data retained.  
08/02/01 14:00:00 - 08/02/01 18:30:00 Time skip resulted in no data collection.  
08/02/01 19:00:00 - 08/03/01 00:15:00 Time skip resulted in no data collection.  
08/03/01 01:30:00 Time skip resulted in no data collection.  
08/03/01 08:30:00 Time skip resulted in no data collection.  
08/03/01 11:15:00 Zero/negative turbidity. Data retained.  
08/03/01 11:45:00 - 08/03/01 12:00:00 Time skip resulted in no data collection.

08/03/01 12:15:00 Zero/negative turbidity. Data retained.  
08/03/01 12:30:00 Time skip resulted in no data collection.  
08/03/01 13:00:00 Zero/negative turbidity. Data retained.  
08/03/01 13:15:00 - 08/03/01 13:30:00 Time skip resulted in no data collection.  
08/03/01 13:45:00 Zero/negative turbidity. Data retained.  
08/03/01 14:00:00 - 08/03/01 15:30:00 Time skip resulted in no data collection.  
08/03/01 15:45:00 Zero/negative turbidity. Data retained.  
08/03/01 16:00:00 - 08/03/01 17:00:00 Time skip resulted in no data collection.  
08/03/01 17:45:00 - 08/03/01 21:00:00 Time skip resulted in no data collection.  
08/03/01 21:15:00 Zero/negative turbidity. Data retained.  
08/03/01 21:45:00 - 08/03/01 22:00:00 Time skip resulted in no data collection.  
08/03/01 22:15:00 Zero/negative turbidity. Data retained.  
08/04/01 01:45:00 Zero/negative depth due to low tides or low-pressure system.  
08/04/01 02:00:00 Time skip resulted in no data collection.  
08/04/01 02:15:00 - 08/04/01 04:15:00 Zero/negative depth due to low tides or low-pressure system.  
08/04/01 08:45:00 Time skip resulted in no data collection.  
08/04/01 11:30:00 Time skip resulted in no data collection.  
08/04/01 12:30:00 Time skip resulted in no data collection.  
08/04/01 14:45:00 - 08/04/01 15:30:00 Zero/negative depth due to low tides or low-pressure system.  
08/04/01 16:30:00 Time skip resulted in no data collection.  
08/04/01 23:30:00 Time skip resulted in no data collection.  
08/04/01 23:45:00 Zero/negative turbidity. Data retained.  
08/05/01 03:30:00 - 08/05/01 03:45:00 Zero/negative turbidity. Data retained  
08/05/01 04:15:00 - 08/05/01 05:15:00 Zero/negative turbidity. Data retained  
08/05/01 15:30:00 Suspect turbidity (373 NTU). Data retained.  
08/05/01 15:45:00 Time skip resulted in no data collection.  
08/05/01 16:15:00 - 08/05/01 16:30:00 Suspect turbidity (259, 439 NTU). Data retained.  
08/05/01 17:00:00 Suspect turbidity (377 NTU). Data retained.  
08/05/01 17:15:00 - 08/05/01 17:30:00 Time skip resulted in no data collection.  
08/05/01 20:30:00 Time skip resulted in no data collection.  
08/06/01 02:00:00 Time skip resulted in no data collection.  
08/06/01 02:15:00 Zero/negative turbidity. Data retained.  
08/06/01 03:00:00 - 08/06/01 03:15:00 Zero/negative turbidity. Data retained  
08/06/01 03:45:00 Zero/negative turbidity. Data retained.  
08/06/01 04:15:00 - 08/06/01 06:00:00 Zero/negative turbidity. Data retained  
08/06/01 16:15:00 Time skip resulted in no data collection.

08/06/01 18:00:00 - 08/06/01 18:30:00 Time skip resulted in no data collection.  
08/06/01 20:15:00 Time skip resulted in no data collection.  
08/07/01 01:15:00 Time skip resulted in no data collection.  
08/07/01 03:30:00 - 08/07/01 07:00:00 Zero/negative turbidity. Data retained  
08/07/01 15:00:00 Zero/negative turbidity. Data retained.  
08/07/01 15:45:00 Suspect turbidity (660 NTU). Data retained.  
08/07/01 16:00:00 - 08/07/01 16:15:00 Zero/negative turbidity. Data retained  
08/07/01 17:00:00 Zero/negative turbidity. Data retained.  
08/07/01 17:30:00 - 08/07/01 18:30:00 Zero/negative turbidity. Data retained  
08/07/01 18:45:00 Suspect turbidity (347 NTU). Data retained.  
08/08/01 02:30:00 - 08/08/01 03:45:00 Zero/negative turbidity. Data retained  
08/08/01 04:00:00 - 08/08/01 06:00:00 Zero/negative depth due to low tides or low-pressure system.  
08/08/01 04:15:00 - 08/08/01 07:30:00 Zero/negative turbidity. Data retained  
08/08/01 14:00:00 Time skip resulted in no data collection.  
08/08/01 14:15:00 Zero/negative turbidity. Data retained  
08/08/01 14:30:00 - 08/08/01 14:45:00 Time skip resulted in no data collection.  
08/08/01 15:15:00 Spike >1000 NTU in turbidity. Data deleted.  
08/08/01 16:15:00 Zero/negative turbidity. Data retained.  
08/08/01 16:45:00 Suspect turbidity (549 NTU). Data retained.  
08/08/01 17:00:00 - 08/08/01 18:15:00 Zero/negative depth due to low tides or low-pressure system.  
08/08/01 18:00:00 - 08/08/01 19:00:00 Suspect turbidity (455, 408, 603, 469, 456 NTU). Data retained.  
08/09/01 05:30:00 - 08/09/01 05:45:00 Zero/negative depth due to low tides or low-pressure system.  
08/16/01 14:00:00 Suspect turbidity (320 NTU). Data retained.  
08/16/01 15:45:00 - 08/16/01 23:15:00 Time skip resulted in no data collection.  
08/17/01 03:00:00 Time skip resulted in no data collection.  
08/17/01 03:30:00 Time skip resulted in no data collection.  
08/17/01 04:00:00 Time skip resulted in no data collection.  
08/17/01 06:15:00 Time skip resulted in no data collection.  
08/17/01 09:30:00 - 08/17/01 09:45:00 Time skip resulted in no data collection.  
08/17/01 10:00:00 Zero/negative turbidity. Data retained.  
08/17/01 10:30:00 Time skip resulted in no data collection.  
08/17/01 10:45:00 Zero/negative turbidity. Data retained.  
08/17/01 11:15:00 Zero/negative turbidity. Data retained.  
08/17/01 11:45:00 Zero/negative turbidity. Data retained.  
08/17/01 12:15:00 Suspect turbidity (306 NTU). Data retained.  
08/17/01 12:30:00 - 08/17/01 14:15:00 Time skip resulted in no data collection.



08/17/01 15:00:00 - 08/17/01 15:30:00 Time skip resulted in no data collection.  
08/17/01 16:00:00 - 08/17/01 17:15:00 Time skip resulted in no data collection.  
08/17/01 17:45:00 Time skip resulted in no data collection.  
08/17/01 21:15:00 Zero/negative turbidity. Data retained.  
08/17/01 21:30:00 - 08/17/01 21:45:00 Time skip resulted in no data collection.  
08/17/01 22:45:00 - 08/18/01 00:30:00 Zero/negative turbidity. Data retained  
08/18/01 01:00:00 - 08/18/01 01:30:00 Zero/negative turbidity. Data retained  
08/18/01 01:15:00 - 08/18/01 01:30:00 Zero/negative depth due to low tides or low-pressure system.  
08/18/01 01:45:00 - 08/18/01 02:00:00 Time skip resulted in no data collection.  
08/18/01 02:15:00 Zero/negative turbidity. Data retained.  
08/18/01 02:30:00 Time skip resulted in no data collection.  
08/18/01 02:45:00 - 08/18/01 04:45:00 Zero/negative turbidity. Data retained  
08/18/01 06:45:00 - 08/18/01 07:15:00 Time skip resulted in no data collection.  
08/18/01 08:30:00 Time skip resulted in no data collection.  
08/18/01 09:00:00 - 08/18/01 10:45:00 Time skip resulted in no data collection.  
08/18/01 11:30:00 Time skip resulted in no data collection.  
08/18/01 12:30:00 - 08/18/01 14:15:00 Zero/negative depth due to low tides or low-pressure system.  
08/18/01 14:30:00 - 08/18/01 16:00:00 Time skip resulted in no data collection.  
08/18/01 16:15:00 Zero/negative turbidity. Data retained.  
08/18/01 16:30:00 - 08/18/01 16:45:00 Time skip resulted in no data collection.  
08/18/01 17:15:00 - 08/18/01 18:30:00 Time skip resulted in no data collection.  
08/18/01 19:00:00 - 08/18/01 20:45:00 Time skip resulted in no data collection.  
08/18/01 21:15:00 - 08/18/01 21:45:00 Time skip resulted in no data collection.  
08/19/01 01:45:00 - 08/19/01 02:15:00 Zero/negative turbidity. Data retained  
08/19/01 02:00:00 - 08/19/01 04:15:00 Zero/negative depth due to low tides or low-pressure system.  
08/19/01 03:00:00 Zero/negative turbidity. Data retained.  
08/19/01 03:45:00 - 08/19/01 05:00:00 Zero/negative turbidity. Data retained  
08/19/01 07:45:00 Time skip resulted in no data collection.  
08/19/01 12:00:00 Time skip resulted in no data collection.  
08/19/01 14:00:00 - 08/19/01 16:15:00 Zero/negative depth due to low tides or low-pressure system.

08/19/01 15:00:00 - 08/19/01 16:15:00 Zero/negative turbidity. Data retained  
08/19/01 16:45:00 - 08/19/01 17:00:00 Zero/negative turbidity. Data retained  
08/19/01 19:15:00 - 08/19/01 20:00:00 Time skip resulted in no data collection.  
08/19/01 20:15:00 Zero/negative turbidity. Data retained.  
08/20/01 00:30:00 Time skip resulted in no data collection.  
08/20/01 01:30:00 - 08/20/01 05:00:00 Time skip resulted in no data collection.  
08/20/01 05:15:00 Zero/negative turbidity. Data retained.  
08/20/01 06:00:00 - 08/20/01 07:30:00 Time skip resulted in no data collection.  
08/20/01 08:00:00 Time skip resulted in no data collection.  
08/20/01 08:15:00 Zero/negative turbidity. Data retained.  
08/20/01 11:15:00 - 08/20/01 11:30:00 Time skip resulted in no data collection.  
08/20/01 11:45:00 Zero/negative turbidity. Data retained.  
08/20/01 13:00:00 - 08/20/01 13:15:00 Time skip resulted in no data collection.  
08/20/01 15:00:00 - 08/20/01 16:30:00 Zero/negative depth due to low tides or low-pressure system.  
08/20/01 15:45:00 - 08/20/01 16:30:00 Zero/negative turbidity. Data retained  
08/20/01 17:00:00 - 08/20/01 17:15:00 Zero/negative turbidity. Data retained  
08/20/01 20:30:00 - 08/20/01 21:00:00 Time skip resulted in no data collection.  
08/20/01 22:30:00 Time skip resulted in no data collection.  
08/20/01 23:45:00 Time skip resulted in no data collection.  
08/21/01 00:45:00 Time skip resulted in no data collection.  
08/21/01 01:00:00 - 08/21/01 01:15:00 Zero/negative turbidity. Data retained.  
08/21/01 01:45:00 - 08/21/01 07:15:00 Zero/negative turbidity. Data retained.  
08/21/01 07:45:00 - 08/21/01 08:00:00 Zero/negative turbidity. Data retained.  
08/21/01 07:30:00 Time skip resulted in no data collection.  
08/21/01 08:15:00 - 08/21/01 10:30:00 Time skip resulted in no data collection.  
08/21/01 15:30:00 - 08/21/01 15:45:00 Suspect turbidity(650 and 994 NTU). Data retained.  
08/21/01 16:15:00 Suspect turbidity (437 NTU). Data retained.  
08/21/01 16:30:00 Spike >1000 NTU in turbidity. Data deleted.  
08/21/01 16:45:00 - 08/21/01 17:00:00 Suspect turbidity (460, 610 NTU). Data retained.  
08/21/01 17:30:00 Suspect turbidity (604 NTU). Data retained.  
08/22/01 02:15:00 - 08/22/01 08:00:00 Zero/negative turbidity. Data retained.  
08/22/01 20:00:00 Time skip resulted in no data collection.  
08/23/01 03:15:00 Zero/negative turbidity. Data retained.

08/23/01 04:15:00 - 08/23/01 04:30:00 Zero/negative turbidity. Data retained.  
08/23/01 05:00:00 Time skip resulted in no data collection.  
08/23/01 05:15:00 - 08/23/01 05:30:00 Zero/negative turbidity. Data retained.  
08/23/01 05:45:00 Zero/negative depth due to low tides or low-pressure system.  
08/23/01 06:00:00 Time skip resulted in no data collection.  
08/23/01 06:15:00 Zero/negative turbidity. Data retained.  
08/23/01 06:45:00 Time skip resulted in no data collection.  
08/23/01 07:00:00 - 08/23/01 08:00:00 Zero/negative turbidity. Data retained.  
08/23/01 07:45:00 Time skip resulted in no data collection.  
08/23/01 08:15:00 - 08/23/01 09:00:00 Time skip resulted in no data collection.  
08/23/01 09:15:00 Zero/negative turbidity. Data retained. 08/23/01 09:30:00 -  
08/23/01 09:30:00 - 09:45:00 Time skip resulted in no data collection.  
08/23/01 10:45:00 - 08/23/01 11:30:00 Time skip resulted in no data collection.  
08/23/01 13:15:00 - 08/23/01 13:45:00 Time skip resulted in no data collection.  
08/23/01 17:15:00 - 08/23/01 18:15:00 Time skip resulted in no data collection.  
08/23/01 18:30:00 - 08/23/01 18:45:00 Zero/negative depth due to low tides or low-pressure system.  
08/23/01 19:00:00 - 08/23/01 20:00:00 Time skip resulted in no data collection.  
08/23/01 20:45:00 - 08/23/01 21:15:00 Time skip resulted in no data collection.  
08/23/01 21:30:00 Zero/negative turbidity. Data retained.  
08/23/01 22:15:00 Time skip resulted in no data collection.  
08/23/01 23:00:00 Time skip resulted in no data collection.  
08/24/01 04:00:00 Zero/negative turbidity. Data retained.  
08/24/01 05:00:00 Zero/negative turbidity. Data retained.  
08/24/01 05:30:00 - 08/24/01 09:15:00 Zero/negative turbidity. Data retained.  
08/24/01 09:45:00 Time skip resulted in no data collection.  
08/24/01 10:00:00 - 08/24/01 10:15:00 Zero/negative turbidity. Data retained.  
08/24/01 10:30:00 - 08/24/01 10:45:00 Time skip resulted in no data collection.  
08/24/01 13:00:00 Time skip resulted in no data collection.  
08/28/01 14:00:00 Time skip resulted in no data collection.  
08/28/01 14:15:00 Zero/negative turbidity. Data retained.  
08/29/01 17:45:00 - 08/29/01 20:30:00 Time skip resulted in no data collection.  
08/29/01 22:00:00 - 08/29/01 22:45:00 Time skip resulted in no data collection.  
08/29/01 23:45:00 Time skip resulted in no data collection.  
08/30/01 09:30:00 Time skip resulted in no data collection.  
08/30/01 09:45:00 Zero/negative turbidity. Data retained.  
08/30/01 10:45:00 Time skip resulted in no data collection.

08/30/01 11:00:00 Zero/negative turbidity. Data retained.  
08/30/01 15:45:00 Spike >1000 NTU in turbidity. Data deleted.  
08/30/01 16:30:00 - 08/30/01 21:45:00 Time skip resulted in no data collection.  
08/30/01 22:00:00 Zero/negative turbidity. Data retained.  
08/30/01 22:15:00 - 08/30/01 22:30:00 Time skip resulted in no data collection.  
08/30/01 22:45:00 Zero/negative turbidity. Data retained.  
08/30/01 23:15:00 Time skip resulted in no data collection.  
08/31/01 00:00:00 - 08/31/01 00:15:00 Time skip resulted in no data collection.  
08/31/01 00:45:00 - 08/31/01 01:00:00 Time skip resulted in no data collection.  
08/31/01 01:30:00 Time skip resulted in no data collection.  
08/31/01 02:15:00 - 08/31/01 02:30:00 Time skip resulted in no data collection.  
08/31/01 04:00:00 Time skip resulted in no data collection.  
08/31/01 04:30:00 Time skip resulted in no data collection.  
08/31/01 07:45:00 - 08/31/01 08:30:00 Time skip resulted in no data collection.  
08/31/01 08:45:00 Zero/negative turbidity. Data retained.  
08/31/01 09:15:00 - 08/31/01 09:30:00 Time skip resulted in no data collection.  
08/31/01 15:15:00 Suspect turbidity (690 NTU). Data retained.  
08/31/01 15:45:00 Time skip resulted in no data collection.  
08/31/01 20:45:00 Time skip resulted in no data collection.  
08/31/01 21:00:00 Zero/negative turbidity. Data retained.  
08/31/01 22:00:00 - 08/31/01 22:15:00 Time skip resulted in no data collection.  
08/31/01 22:45:00 - 08/31/01 23:45:00 Time skip resulted in no data collection.

September 2001:

TC:

09/01/01 00:00:00 - 09/05/01 15:00:00 pH data suspect where fluctuations are minimized possibly due to diffusion across probe fritted membrane. Data were retained.  
09/05/01 16:00:00 - 09/18/01 08:15:00 DO data deleted.  
09/18/01 08:45:00 Datalogger out of the water. Data deleted.  
09/25/01 06:15:00 Spike >1000 NTU in turbidity. Data deleted.  
09/26/01 06:45:00 Suspect turbidity (776 NTU). Data retained.

September 2001:

GI:

09/01/01 00:00:00 Time skip resulted in no data collection.  
09/01/01 00:15:00 Zero/negative turbidity. Data retained.  
09/01/01 00:30:00 - 09/01/01 00:45:00 Time skip resulted in no data collection.  
09/01/01 02:00:00 Time skip resulted in no data collection.  
09/01/01 03:00:00 - 09/01/01 03:15:00 Time skip resulted in no data collection.  
09/01/01 16:45:00 Time skip resulted in no data collection.

09/01/01 18:00:00 Time skip resulted in no data collection.  
09/01/01 18:15:00 Zero/negative turbidity. Data retained.  
09/01/01 19:15:00 - 09/01/01 21:00:00 Time skip resulted in no data collection.  
09/01/01 21:15:00 Zero/negative turbidity. Data retained.  
09/01/01 21:30:00 - 09/01/01 22:15:00 Time skip resulted in no data collection.  
09/01/01 22:45:00 Time skip resulted in no data collection.  
09/01/01 22:30:00 Zero/negative turbidity. Data retained.  
09/01/01 23:00:00 Zero/negative turbidity. Data retained.  
09/02/01 00:15:00 Time skip resulted in no data collection.  
09/02/01 05:00:00 Time skip resulted in no data collection.  
09/02/01 05:15:00 Zero/negative turbidity. Data retained.  
09/02/01 05:45:00 - 09/02/01 12:15:00 Time skip resulted in no data collection.  
09/02/01 12:45:00 - 09/02/01 13:45:00 Time skip resulted in no data collection.  
09/02/01 14:30:00 - 09/02/01 14:45:00 Time skip resulted in no data collection.  
09/02/01 15:15:00 Time skip resulted in no data collection.  
09/02/01 16:30:00 - 09/02/01 18:30:00 Time skip resulted in no data collection.  
09/02/01 19:15:00 - 09/02/01 21:45:00 Time skip resulted in no data collection.  
09/03/01 06:45:00 - 09/03/01 07:15:00 Time skip resulted in no data collection.  
09/03/01 07:45:00 - 09/03/01 08:00:00 Time skip resulted in no data collection.  
09/03/01 08:45:00 - 09/03/01 09:30:00 Time skip resulted in no data collection.  
09/03/01 10:00:00 - 09/03/01 11:00:00 Time skip resulted in no data collection.  
09/03/01 11:15:00 Zero/negative turbidity. Data retained.  
09/03/01 12:45:00 - 09/03/01 13:15:00 Time skip resulted in no data collection.  
09/03/01 15:45:00 Time skip resulted in no data collection.  
09/03/01 17:15:00 Time skip resulted in no data collection.  
09/03/01 17:30:00 Zero/negative turbidity. Data retained.  
09/03/01 19:15:00 Time skip resulted in no data collection.  
09/03/01 19:45:00 - 09/03/01 21:30:00 Time skip resulted in no data collection.  
09/03/01 21:45:00 Zero/negative turbidity. Data retained.  
09/03/01 22:00:00 - 09/03/01 22:45:00 Time skip resulted in no data collection.  
09/05/01 03:00:00 Zero/negative turbidity. Data retained.  
09/05/01 03:45:00 Zero/negative turbidity. Data retained.  
09/05/01 04:30:00 - 09/05/01 05:45:00 Zero/negative turbidity. Data retained.  
09/05/01 06:15:00 - 09/05/01 11:30:00 Time skip resulted in no data collection.  
09/05/01 13:15:00 - 09/05/01 15:00:00 Time skip resulted in no data collection.  
09/05/01 16:00:00 - 09/05/01 16:30:00 Time skip resulted in no data collection.

09/05/01 17:00:00 - 09/05/01 23:45:00 Time skip resulted in no data collection  
09/06/01 01:00:00 Time skip resulted in no data collection.  
09/09/01 22:15:00 Spike >1000 NTU in turbidity. Data deleted.  
09/13/01 11:00:00 - 09/13/01 11:15:00 Depth data suspect due to slight increase.  
Data retained.  
09/13/01 12:15:00 Time skip resulted in no data collection.  
09/14/01 11:45:00 Time skip resulted in no data collection.  
09/14/01 22:00:00 Time skip resulted in no data collection.  
09/14/01 23:30:00 Time skip resulted in no data collection.  
09/15/01 00:30:00 Time skip resulted in no data collection.  
09/17/01 15:00:00 Spike >1000 NTU in turbidity. Data deleted.  
09/18/01 09:30:00 Spike >1000 NTU in turbidity. Data deleted.  
09/18/01 11:15:00 Suspect turbidity (740 NTU). Data retained.  
09/18/01 11:30:00 Spike >1000 NTU in turbidity. Data deleted.  
09/25/01 11:00:00 Depth data suspect due to slight increase to .74 meters.  
Data retained.  
09/25/01 23:45:00 Time skip resulted in no data collection.  
09/26/01 05:15:00 - 09/26/01 05:30:00 Time skip resulted in no data collection.  
09/26/01 06:00:00 - 09/26/01 06:15:00 Time skip resulted in no data collection.  
09/28/01 11:30:00 - 09/28/01 13:15:00 Zero/negative turbidity. Data retained.  
09/30/01 00:00:00 - 09/28/01 14:30:00 Zero/negative turbidity. Data retained.  
09/30/01 00:00:00 Time skip resulted in no data collection.

October 2001:

TC:

10/17/01 12:30:00 Depth data deleted.

October 2001:

GI:

10/03/01 15:15:00 Suspect turbidity (476 NTU). Data retained.  
10/04/01 17:15:00 Zero/negative turbidity. Data retained.  
10/05/01 05:15:00 Zero/negative turbidity. Data retained.  
10/07/01 18:00:00 - 10/07/01 19:00:00 Zero/negative turbidity. Data retained.  
10/08/01 06:45:00 Datalogger out of the water. Data deleted.  
10/08/01 07:15:00 - 10/08/01 08:45:00 Zero/negative turbidity. Data retained.  
10/09/01 06:30:00 - 10/09/01 08:00:00 Zero/negative turbidity. Data retained.  
10/10/01 06:15:00 Zero/negative turbidity. Data retained.  
10/10/01 06:45:00 - 10/10/01 09:30:00 Zero/negative turbidity. Data retained.  
10/10/01 10:00:00 - 10/10/01 10:30:00 Zero/negative turbidity. Data retained.  
10/10/01 20:45:00 Zero/negative turbidity. Data retained.

10/11/01 06:45:00 - 10/11/01 08:15:00 Zero/negative turbidity. Data retained.  
10/11/01 08:45:00 - 10/11/01 11:15:00 Zero/negative turbidity. Data retained.  
10/11/01 11:45:00 - 10/11/01 12:00:00 Zero/negative turbidity. Data retained.  
10/11/01 15:15:00 - 10/30/01 15:15:00 Salinity values were corrected based on field verification samples (+2.5ppt); no specific conductance values were calculated; DO concentration values were adjusted to reflect salinity changes.  
10/11/01 18:45:00 Datalogger out of the water. Data deleted.  
10/11/01 21:00:00 - 10/11/01 23:15:00 Zero/negative depth due to low tides or low-pressure system.  
10/11/01 23:30:00 - 10/11/01 23:45:00 Zero/negative depth due to low tides or low-pressure system.  
10/12/01 07:15:00 - 10/12/01 12:30:00 Zero/negative turbidity. Data retained.  
10/12/01 10:00:00 - 10/12/01 10:45:00 Zero/negative depth due to low tides or low-pressure system.  
10/12/01 21:15:00 - 10/12/01 21:45:00 Zero/negative turbidity. Data retained.  
10/12/01 22:15:00 - 10/13/01 01:00:00 Zero/negative turbidity. Data retained.  
10/13/01 01:30:00 Zero/negative turbidity. Data retained.  
10/13/01 09:15:00 - 10/13/01 11:45:00 Zero/negative turbidity. Data retained.  
10/15/01 13:00:00 - 10/15/01 13:30:00 Zero/negative turbidity. Data retained.  
10/15/01 14:15:00 Zero/negative turbidity. Data retained.  
10/15/01 23:30:00 - 10/16/01 02:15:00 Zero/negative turbidity. Data retained.  
10/16/01 13:30:00 - 10/16/01 16:00:00 Zero/negative depth due to low tides or low-pressure system.  
10/17/01 04:00:00 Zero/negative turbidity. Data retained.  
10/17/01 01:45:00 - 10/17/01 04:15:00 Zero/negative depth due to low tides or low-pressure system.  
10/17/01 14:00:00 - 10/17/01 16:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/17/01 14:45:00 - 10/17/01 15:45:00 Zero/negative turbidity. Data retained.  
10/17/01 16:15:00 - 10/17/01 16:30:00 Zero/negative turbidity. Data retained.  
10/17/01 17:15:00 Zero/negative turbidity. Data retained.  
10/17/01 17:45:00 Zero/negative turbidity. Data retained.  
10/18/01 03:30:00 - 10/18/01 03:45:00 Zero depth due to low tides or low-pressure system

10/18/01 14:15:00 - 10/18/01 18:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/18/01 15:30:00 - 10/18/01 17:15:00 Datalogger out of the water. Data deleted.  
10/18/01 16:15:00 Zero/negative turbidity. Data retained.  
10/19/01 00:30:00 - 10/19/01 01:00:00 Zero/negative turbidity. Data retained.  
10/19/01 01:45:00 Zero/negative turbidity. Data retained.  
10/19/01 02:00:00 - 10/19/01 06:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/19/01 02:15:00 - 10/19/01 02:30:00 Zero/negative turbidity. Data retained.  
10/19/01 03:15:00 - 10/19/01 07:15:00 Zero/negative turbidity. Data retained.  
10/19/01 03:30:00 - 10/19/01 05:00:00 Datalogger out of the water. Data deleted.  
10/19/01 15:15:00 - 10/19/01 19:00:00 Zero/negative depth due to low tides or low-pressure system.  
10/20/01 03:00:00 - 10/20/01 06:45:00 Zero/negative depth due to low tides or low-pressure system.  
10/20/01 04:15:00 - 10/20/01 07:15:00 Zero/negative turbidity. Data retained.  
10/20/01 16:15:00 - 10/20/01 16:30:00 Zero/negative turbidity. Data retained.  
10/20/01 16:30:00 - 10/20/01 19:00:00 Zero/negative depth due to low tides or low-pressure system.  
10/20/01 17:30:00 - 10/20/01 19:15:00 Zero/negative turbidity. Data retained.  
10/20/01 19:45:00 Zero/negative turbidity. Data retained.  
10/20/01 20:15:00 - 10/20/01 20:30:00 Zero/negative turbidity. Data retained.  
10/21/01 02:45:00 - 10/21/01 03:30:00 Zero/negative turbidity. Data retained.  
10/21/01 04:15:00 - 10/21/01 08:15:00 Zero/negative turbidity. Data retained.  
10/21/01 05:00:00 - 10/21/01 06:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/21/01 08:45:00 Zero/negative turbidity. Data retained.  
10/21/01 18:15:00 - 10/21/01 19:45:00 Zero/negative depth due to low tides or low-pressure system.  
10/22/01 06:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/22/01 07:30:00 Zero/negative turbidity. Data retained.  
10/22/01 08:30:00 Zero/negative turbidity. Data retained.  
10/22/01 09:00:00 Zero/negative turbidity. Data retained.  
10/22/01 18:45:00 - 10/22/01 20:30:00 Zero/negative depth due to low tides or



low-pressure system.  
10/23/01 08:30:00 Zero/negative turbidity. Data retained.  
10/25/01 08:45:00 - 10/25/01 11:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/25/01 20:45:00 - 10/25/01 23:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/26/01 07:45:00 - 10/26/01 14:00:00 Zero/negative depth due to low tides or low-pressure system.  
10/26/01 23:00:00 - 10/27/01 02:15:00 Zero/negative depth due to low tides or low-pressure system.  
10/27/01 09:15:00 - 10/27/01 13:45:00 Zero/negative depth due to low tides or low-pressure system.  
10/27/01 22:30:00 - 10/28/01 00:30:00 Zero/negative depth due to low tides or low-pressure system.  
10/30/01 15:30:00 Time skip resulted in no data collection.  
10/30/01 15:45:00 Zero/negative turbidity. Data retained.  
10/30/01 18:00:00 Time skip resulted in no data collection.  
10/30/01 20:45:00 - 10/30/01 22:45:00 Time skip resulted in no data collection.  
10/31/01 01:30:00 Zero/negative turbidity. Data retained.  
10/31/01 01:15:00 Time skip resulted in no data collection.  
10/31/01 03:45:00 - 10/31/01 04:00:00 Time skip resulted in no data collection.  
10/31/01 04:15:00 Zero/negative turbidity. Data retained.  
10/31/01 10:15:00 - 10/31/01 13:45:00 Zero/negative turbidity. Data retained.  
10/31/01 14:15:00 - 10/31/01 18:15:00 Zero/negative turbidity. Data retained.  
10/31/01 19:00:00 - 10/31/01 23:45:00 Zero/negative turbidity. Data retained.

November 2001:

TC:  
11/28/01 12:45:00 Depth data deleted.

November 2001:

GI:  
11/01/01 00:00:00 - 11/01/01 04:45:00 Zero/negative turbidity. Data retained.  
11/01/01 05:15:00 - 11/01/01 12:30:00 Zero/negative turbidity. Data retained.  
11/01/01 13:00:00 Zero/negative turbidity. Data retained.  
11/01/01 13:15:00 - 11/01/01 13:30:00 Time skip resulted in no data collection.  
11/01/01 13:45:00 - 11/01/01 14:15:00 Zero/negative turbidity. Data retained.

11/01/01 14:30:00 Time skip resulted in no data collection.  
11/01/01 14:45:00 - 11/01/01 15:00:00 Zero/negative turbidity. Data retained.  
11/01/01 17:15:00 - 11/01/01 18:45:00 Zero/negative turbidity. Data retained.  
11/01/01 19:15:00 Zero/negative turbidity. Data retained.  
11/01/01 19:45:00 - 11/01/01 21:15:00 Zero/negative turbidity. Data retained.  
11/01/01 21:45:00 Time skip resulted in no data collection.  
11/01/01 22:00:00 - 11/02/01 00:15:00 Zero/negative turbidity. Data retained.  
11/02/01 00:30:00 Time skip resulted in no data collection.  
11/02/01 00:45:00 Zero/negative turbidity. Data retained.  
11/02/01 01:00:00 - 11/02/01 01:45:00 Time skip resulted in no data collection.  
11/02/01 02:00:00 - 11/02/01 02:15:00 Zero/negative turbidity. Data retained.  
11/02/01 02:30:00 Time skip resulted in no data collection.  
11/02/01 02:45:00 Zero/negative turbidity. Data retained.  
11/02/01 02:45:00 Zero/negative depth due to low tides or low-pressure system.  
11/02/01 03:00:00 Time skip resulted in no data collection.  
11/02/01 03:15:00 Zero/negative turbidity. Data retained.  
11/02/01 03:30:00 - 11/02/01 04:15:00 Time skip resulted in no data collection.  
11/02/01 04:30:00 - 11/02/01 14:15:00 Zero/negative turbidity. Data retained.  
11/02/01 14:30:00 Time skip resulted in no data collection.  
11/02/01 14:45:00 - 11/02/01 18:15:00 Zero/negative turbidity. Data retained.  
11/02/01 15:30:00 - 11/02/01 16:15:00 Zero/negative depth due to low tides or low-pressure system.  
11/02/01 18:30:00 Time skip resulted in no data collection.  
11/02/01 18:45:00 - 11/02/01 19:15:00 Zero/negative turbidity. Data retained.  
11/02/01 20:00:00 Zero/negative turbidity. Data retained.  
11/02/01 21:30:00 - 11/02/01 22:00:00 Zero/negative turbidity. Data retained.  
11/02/01 23:30:00 - 11/03/01 02:00:00 Zero/negative turbidity. Data retained.  
11/03/01 02:15:00 Time skip resulted in no data collection.  
11/03/01 02:30:00 - 11/03/01 04:45:00 Zero/negative turbidity. Data retained.  
11/03/01 02:30:00 - 11/03/01 04:30:00 Zero/negative depth due to low tides or low-pressure system.  
11/03/01 05:00:00 Time skip resulted in no data collection.  
11/03/01 05:15:00 Zero/negative turbidity. Data retained.  
11/03/01 05:30:00 - 11/03/01 10:30:00 Time skip resulted in no data collection.  
11/03/01 10:45:00 - 11/03/01 13:30:00 Zero/negative turbidity. Data retained.

11/03/01 13:45:00 - 11/03/01 14:30:00 Time skip resulted in no data collection.  
11/03/01 14:45:00 - 11/03/01 15:00:00 Zero/negative turbidity. Data retained.  
11/03/01 15:15:00 Time skip resulted in no data collection.  
11/03/01 15:30:00 - 11/03/01 16:00:00 Zero/negative turbidity. Data retained.  
11/03/01 15:45:00 Time skip resulted in no data collection.  
11/03/01 16:30:00 Zero/negative turbidity. Data retained.  
11/03/01 17:00:00 - 11/03/01 19:45:00 Zero/negative turbidity. Data retained.  
11/03/01 20:15:00 - 11/04/01 02:15:00 Zero/negative turbidity. Data retained.  
11/04/01 02:30:00 - 11/04/01 09:30:00 Time skip resulted in no data collection.  
11/04/01 10:00:00 - 11/04/01 10:45:00 Time skip resulted in no data collection.  
11/04/01 12:45:00 Zero/negative turbidity. Data retained.  
11/04/01 13:00:00 Time skip resulted in no data collection.  
11/04/01 13:30:00 - 11/04/01 15:00:00 Time skip resulted in no data collection.  
11/04/01 15:15:00 - 11/04/01 15:45:00 Zero/negative turbidity. Data retained.  
11/04/01 16:00:00 Time skip resulted in no data collection.  
11/04/01 16:15:00 Zero/negative turbidity. Data retained.  
11/04/01 16:30:00 - 11/04/01 18:45:00 Time skip resulted in no data collection.  
11/04/01 19:00:00 - 11/04/01 19:15:00 Zero/negative turbidity. Data retained.  
11/04/01 19:30:00 - 11/04/01 21:15:00 Time skip resulted in no data collection.  
11/04/01 21:30:00 Zero/negative turbidity. Data retained.  
11/04/01 21:45:00 Time skip resulted in no data collection.  
11/04/01 22:15:00 - 11/04/01 23:15:00 Time skip resulted in no data collection.  
11/04/01 22:00:00 Zero/negative turbidity. Data retained.  
11/04/01 23:30:00 - 11/05/01 00:00:00 Zero/negative turbidity. Data retained.  
11/05/01 00:15:00 - 11/05/01 00:45:00 Time skip resulted in no data collection.  
11/05/01 01:00:00 Zero/negative turbidity. Data retained.  
11/05/01 01:15:00 - 11/05/01 01:30:00 Time skip resulted in no data collection.  
11/05/01 01:45:00 Zero/negative turbidity. Data retained.  
11/05/01 02:00:00 Time skip resulted in no data collection.  
11/05/01 02:15:00 Zero/negative turbidity. Data retained.  
11/05/01 02:30:00 - 11/05/01 03:00:00 Time skip resulted in no data collection.  
11/05/01 03:15:00 - 11/05/01 03:30:00 Zero/negative turbidity. Data retained.  
11/05/01 03:45:00 Time skip resulted in no data collection.  
11/05/01 04:00:00 Zero/negative turbidity. Data retained.  
11/05/01 04:15:00 - 11/15/01 08:30:00 Data not collected due to datalogger

malfunction.

11/15/01 08:45:00 - 11/30/01 12:45:00 Salinity values were corrected based on field verification samples (+3.7ppt); no specific conductance values were calculated; DO concentration values were adjusted to reflect salinity changes.

11/15/01 08:45:00 Depth data suspect due to slight increase to 1.02m. Data retained.

11/15/01 08:45:00 - 11/16/01 18:00:00 Zero/negative turbidity. Data retained.

11/15/01 13:45:00 - 11/15/01 16:45:00 Zero/negative depth due to low tides or low-pressure system.

11/16/01 01:45:00 - 11/16/01 04:30:00 Zero/negative depth due to low tides or low-pressure system.

11/16/01 15:00:00 - 11/16/01 17:00:00 Zero/negative depth due to low tides or low-pressure system.

11/16/01 18:30:00 - 11/17/01 06:15:00 Zero/negative turbidity. Data retained.

11/17/01 03:30:00 Zero/negative depth due to low tides or low-pressure system.

11/17/01 16:45:00 Zero/negative turbidity. Data retained.

11/18/01 05:15:00 Zero/negative turbidity. Data retained.

11/18/01 06:30:00 - 11/18/01 06:45:00 Zero/negative turbidity. Data retained.

11/18/01 13:30:00 - 11/18/01 19:15:00 Zero/negative turbidity. Data retained.

11/18/01 19:45:00 - 11/19/01 21:45:00 Zero/negative turbidity. Data retained.

11/19/01 17:45:00 - 11/19/01 18:45:00 Zero/negative depth due to low tides or low-pressure system.

11/19/01 23:30:00 Zero/negative turbidity. Data retained.

11/20/01 00:15:00 - 11/20/01 00:30:00 Zero/negative turbidity. Data retained.

11/20/01 01:00:00 - 11/20/01 01:30:00 Zero/negative turbidity. Data retained.

11/20/01 02:15:00 - 11/20/01 09:15:00 Zero/negative turbidity. Data retained.

11/20/01 04:30:00 - 11/20/01 07:45:00 Zero/negative depth due to low tides or low-pressure system.

11/20/01 17:30:00 - 11/20/01 20:15:00 Zero/negative turbidity. Data retained.

11/21/01 03:30:00 Zero/negative turbidity. Data retained.

11/21/01 04:00:00 Zero/negative turbidity. Data retained.

11/21/01 04:30:00 - 11/21/01 10:15:00 Zero/negative turbidity. Data retained.

11/21/01 11:30:00 Zero/negative turbidity. Data retained.

11/21/01 12:30:00 Zero/negative turbidity. Data retained.

11/21/01 13:00:00 - 11/21/01 15:30:00 Zero/negative turbidity. Data retained.  
11/21/01 18:15:00 Zero/negative turbidity. Data retained.  
11/21/01 18:45:00 - 11/21/01 21:45:00 Zero/negative turbidity. Data retained.  
11/21/01 22:15:00 Zero/negative turbidity. Data retained.  
11/21/01 22:45:00 - 11/21/01 23:15:00 Zero/negative turbidity. Data retained.  
11/21/01 23:45:00 - 11/22/01 06:45:00 Zero/negative turbidity. Data retained.  
11/22/01 07:15:00 - 11/23/01 00:15:00 Zero/negative turbidity. Data retained.  
11/23/01 01:30:00 - 11/24/01 07:15:00 Zero/negative turbidity. Data retained.  
11/24/01 07:45:00 - 11/24/01 14:15:00 Zero/negative turbidity. Data retained.  
11/24/01 15:30:00 Zero/negative turbidity. Data retained.  
11/24/01 16:00:00 Zero/negative turbidity. Data retained.  
11/24/01 16:30:00 Zero/negative turbidity. Data retained.  
11/24/01 22:45:00 Zero/negative turbidity. Data retained.  
11/24/01 23:15:00 - 11/25/01 00:00:00 Zero/negative turbidity. Data retained.  
11/25/01 00:45:00 - 11/25/01 01:00:00 Zero/negative turbidity. Data retained.  
11/25/01 02:15:00 - 11/25/01 03:15:00 Zero/negative turbidity. Data retained.  
11/25/01 04:15:00 - 11/25/01 05:00:00 Zero/negative turbidity. Data retained.  
11/25/01 05:30:00 Zero/negative turbidity. Data retained.  
11/25/01 06:00:00 - 11/25/01 06:15:00 Zero/negative turbidity. Data retained.  
11/25/01 06:45:00 - 11/25/01 07:45:00 Zero/negative turbidity. Data retained.  
11/25/01 08:15:00 Zero/negative turbidity. Data retained.  
11/25/01 09:30:00 - 11/25/01 10:15:00 Zero/negative turbidity. Data retained.  
11/25/01 11:15:00 Zero/negative turbidity. Data retained.  
11/25/01 17:15:00 - 11/26/01 15:00:00 Zero/negative turbidity. Data retained.  
11/26/01 16:45:00 Zero/negative turbidity. Data retained.  
11/26/01 17:15:00 - 11/26/01 17:45:00 Zero/negative turbidity. Data retained.  
11/26/01 18:15:00 Zero/negative turbidity. Data retained.  
11/26/01 18:45:00 - 11/28/01 19:30:00 Zero/negative turbidity. Data retained.  
11/29/01 02:30:00 Zero/negative turbidity. Data retained.  
11/29/01 03:00:00 - 11/29/01 04:00:00 Zero/negative turbidity. Data retained.  
11/29/01 04:30:00 - 11/29/01 12:00:00 Zero/negative turbidity. Data retained.  
11/29/01 12:45:00 - 11/29/01 15:45:00 Zero/negative turbidity. Data retained.  
11/29/01 16:15:00 - 11/29/01 16:30:00 Zero/negative turbidity. Data retained.

11/29/01 17:00:00 - 11/30/01 01:15:00 Zero/negative turbidity. Data retained.  
11/30/01 01:45:00 - 11/30/01 05:15:00 Zero/negative turbidity. Data retained.  
11/30/01 05:45:00 - 11/30/01 12:00:00 Zero/negative turbidity. Data retained.  
11/30/01 13:00:00 Zero/negative turbidity. Data retained.  
11/30/01 13:00:00 - 11/30/01 16:15:00 Datalogger out of the water. Data deleted.  
11/30/01 14:45:00 - 11/30/01 15:45:00 Zero/negative turbidity. Data retained.  
11/30/01 22:00:00 Zero/negative turbidity. Data retained.  
11/30/01 22:30:00 - 11/30/01 23:45:00 Zero/negative turbidity. Data retained.

December 2001:

TC:

12/13/01 15:30:00 Time skip resulted in no data collection.  
12/15/01 02:30:00 Spike >1000 NTU in turbidity. Data deleted.  
12/19/01 21:30:00 - 12/21/01 14:00:00 Time skip resulted in no data collection.

December 2001:

GI:

12/01/01 00:00:00 - 12/01/01 00:15:00 Zero/negative turbidity. Data retained.  
12/01/01 03:15:00 - 12/01/01 04:15:00 Zero/negative turbidity. Data retained.  
12/01/01 04:45:00 - 12/01/01 05:30:00 Zero/negative turbidity. Data retained.  
12/01/01 06:45:00 - 12/01/01 09:15:00 Zero/negative turbidity. Data retained.  
12/01/01 10:00:00 - 12/01/01 12:30:00 Zero/negative turbidity. Data retained.  
12/01/01 13:00:00 - 12/01/01 15:00:00 Zero/negative turbidity. Data retained.  
12/01/01 15:30:00 - 12/02/01 01:30:00 Zero/negative turbidity. Data retained.  
12/02/01 02:00:00 - 12/02/01 02:15:00 Zero/negative turbidity. Data retained.  
12/03/01 14:15:00 - 12/03/01 16:45:00 Zero/negative turbidity. Data retained.  
12/03/01 17:15:00 - 12/03/01 19:15:00 Zero/negative turbidity. Data retained.  
12/03/01 19:45:00 Zero/negative turbidity. Data retained.  
12/03/01 21:45:00 - 12/04/01 02:00:00 Zero/negative turbidity. Data retained.  
12/04/01 02:30:00 - 12/04/01 14:00:00 Zero/negative turbidity. Data retained.  
12/04/01 17:45:00 - 12/04/01 18:00:00 Zero/negative turbidity. Data retained.

12/04/01 19:15:00 - 12/05/01 00:45:00 Zero/negative turbidity. Data retained.  
12/05/01 01:15:00 - 12/05/01 13:30:00 Zero/negative turbidity. Data retained.  
12/05/01 14:00:00 - 12/06/01 03:45:00 Zero/negative turbidity. Data retained.  
12/06/01 04:15:00 - 12/06/01 05:30:00 Zero/negative turbidity. Data retained.  
12/06/01 06:00:00 - 12/06/01 06:45:00 Zero/negative turbidity. Data retained.  
12/06/01 07:15:00 - 12/06/01 10:45:00 Zero/negative turbidity. Data retained.  
12/06/01 11:15:00 - 12/06/01 12:00:00 Zero/negative turbidity. Data retained.  
12/06/01 14:45:00 - 12/06/01 15:00:00 Zero/negative turbidity. Data retained.  
12/06/01 15:30:00 - 12/06/01 15:45:00 Zero/negative turbidity. Data retained.  
12/06/01 16:30:00 - 12/06/01 17:00:00 Zero/negative turbidity. Data retained.  
12/06/01 17:30:00 - 12/06/01 17:45:00 Zero/negative turbidity. Data retained.  
12/06/01 18:15:00 - 12/06/01 18:30:00 Zero/negative turbidity. Data retained.  
12/06/01 19:15:00 - 12/06/01 20:00:00 Zero/negative turbidity. Data retained.  
12/06/01 20:45:00 - 12/06/01 21:15:00 Zero/negative turbidity. Data retained.  
12/06/01 22:30:00 Zero/negative turbidity. Data retained.  
12/07/01 03:30:00 Zero/negative turbidity. Data retained.  
12/07/01 07:15:00 - 12/07/01 08:45:00 Zero/negative depth due to low tides or low-pressure system.  
12/09/01 14:15:00 Suspect turbidity (478 NTU). Data retained.  
12/09/01 14:45:00 Suspect turbidity (539 NTU). Data retained.  
12/09/01 15:15:00 Suspect turbidity (399 NTU). Data retained.  
12/09/01 16:30:00 Suspect turbidity (390 NTU). Data retained.  
12/10/01 16:30:00 Suspect turbidity (228 NTU). Data retained.  
12/11/01 15:30:00 - 12/20/01 12:15:00 Salinity values were corrected based on field verification samples (+3.1ppt); no specific conductance values were calculated; DO concentration values were adjusted to reflect salinity changes.  
12/13/01 06:45:00 Zero/negative turbidity. Data retained.  
12/13/01 07:30:00 - 12/07/01 08:00:00 Zero/negative turbidity. Data retained.  
12/13/01 09:00:00 - 12/07/01 09:15:00 Zero/negative turbidity. Data retained.  
12/13/01 14:30:00 Zero/negative turbidity. Data retained.  
12/14/01 08:00:00 Zero/negative turbidity. Data retained.  
12/14/01 08:30:00 Zero/negative turbidity. Data retained.  
12/13/01 10:45:00 Zero/negative turbidity. Data retained.  
12/14/01 14:00:00 - 12/14/01 16:00:00 Zero/negative depth due to low tides or

low-pressure system.

12/15/01 01:45:00 - 12/15/01 03:30:00 Zero/negative depth due to low tides or

low-pressure system.

12/15/01 03:30:00 Zero/negative turbidity. Data retained.

12/17/01 01:45:00 Zero/negative turbidity. Data retained.

12/17/01 03:00:00 Zero/negative turbidity. Data retained.

12/17/01 03:30:00 - 12/17/01 03:45:00 Zero/negative turbidity. Data retained.

12/17/01 05:15:00 Zero/negative turbidity. Data retained.

12/17/01 06:15:00 Zero/negative turbidity. Data retained.

12/18/01 04:00:00 - 12/18/01 07:30:00 Zero/negative depth due to low tides or

low-pressure system.

12/19/01 13:00:00 Spike >1000 NTU in turbidity. Data deleted.

12/20/01 14:30:00 Zero/negative turbidity. Data retained.

12/20/01 16:15:00 Zero/negative turbidity. Data retained.

12/20/01 16:45:00 - 12/20/01 17:45:00 Zero/negative turbidity. Data retained.

12/20/01 18:15:00 Zero/negative turbidity. Data retained.

12/20/01 18:45:00 - 12/20/01 19:30:00 Zero/negative turbidity. Data retained.

12/20/01 20:00:00 - 12/20/01 20:30:00 Zero/negative turbidity. Data retained.

12/20/01 23:45:00 Zero/negative turbidity. Data retained.

12/21/01 00:15:00 - 12/21/01 00:30:00 Zero/negative turbidity. Data retained.

12/21/01 01:00:00 - 12/21/01 01:15:00 Zero/negative turbidity. Data retained.

12/21/01 02:00:00 - 12/21/01 02:45:00 Zero/negative turbidity. Data retained.

12/21/01 03:15:00 Zero/negative turbidity. Data retained.

12/21/01 03:45:00 Zero/negative turbidity. Data retained.

12/21/01 04:15:00 - 12/21/01 08:15:00 Zero/negative turbidity. Data retained.

12/21/01 09:45:00 - 12/21/01 10:15:00 Zero/negative turbidity. Data retained.

12/21/01 10:45:00 - 12/21/01 12:00:00 Zero/negative turbidity. Data retained.

12/21/01 12:30:00 - 12/21/01 13:30:00 Zero/negative turbidity. Data retained.

12/21/01 16:00:00 - 12/21/01 16:15:00 Zero/negative turbidity. Data retained.

12/21/01 16:45:00 - 12/21/01 17:00:00 Zero/negative turbidity. Data retained.

12/21/01 17:45:00 Zero/negative turbidity. Data retained.

12/21/01 18:15:00 Zero/negative turbidity. Data retained.

12/21/01 18:45:00 - 12/21/01 21:45:00 Zero/negative turbidity. Data retained.

12/22/01 19:45:00 Zero/negative turbidity. Data retained.

12/22/01 21:30:00 Zero/negative turbidity. Data retained.

12/22/01 22:00:00 - 12/23/01 00:00:00 Zero/negative turbidity. Data retained.

12/23/01 00:00:00 Zero/negative turbidity. Data retained.



12/23/01 02:30:00 - 12/23/01 03:00:00 Zero/negative turbidity. Data retained.  
12/23/01 13:45:00 Zero/negative turbidity. Data retained.  
12/23/01 16:15:00 Zero/negative turbidity. Data retained.  
12/23/01 16:45:00 Zero/negative turbidity. Data retained.  
12/25/01 01:15:00 Zero/negative turbidity. Data retained.  
12/25/01 02:00:00 Zero/negative turbidity. Data retained.  
12/25/01 02:45:00 - 12/25/01 03:00:00 Zero/negative turbidity. Data retained.  
12/25/01 04:00:00 - 12/25/01 04:15:00 Zero/negative turbidity. Data retained.  
12/25/01 04:45:00 Zero/negative turbidity. Data retained.  
12/25/01 06:15:00 Zero/negative turbidity. Data retained.  
12/25/01 10:45:00 - 12/25/01 11:00:00 Zero/negative turbidity. Data retained.  
12/25/01 11:30:00 - 12/25/01 12:15:00 Zero/negative turbidity. Data retained.  
12/25/01 12:45:00 - 12/25/01 13:00:00 Zero/negative turbidity. Data retained.  
12/27/01 00:45:00 - 12/27/01 01:00:00 Zero/negative turbidity. Data retained.  
12/27/01 03:00:00 - 12/27/01 03:45:00 Zero/negative turbidity. Data retained.  
12/27/01 04:15:00 Zero/negative turbidity. Data retained.  
12/27/01 05:00:00 - 12/27/01 07:15:00 Zero/negative turbidity. Data retained.  
12/27/01 08:15:00 - 12/27/01 08:45:00 Zero/negative turbidity. Data retained.  
12/27/01 09:15:00 - 12/27/01 12:00:00 Zero/negative turbidity. Data retained.  
12/27/01 12:30:00 Zero/negative turbidity. Data retained.  
12/27/01 14:45:00 - 12/27/01 19:45:00 Zero/negative turbidity. Data retained.  
12/27/01 20:15:00 Zero/negative turbidity. Data retained.  
12/27/01 21:00:00 - 12/27/01 23:00:00 Zero/negative turbidity. Data retained.  
12/27/01 23:30:00 - 12/27/01 23:45:00 Zero/negative turbidity. Data retained.  
12/28/01 00:30:00 - 12/28/01 01:30:00 Zero/negative turbidity. Data retained.  
12/28/01 02:15:00 - 12/28/01 02:30:00 Zero/negative turbidity. Data retained.  
12/28/01 03:45:00 Zero/negative turbidity. Data retained.  
12/28/01 04:30:00 Zero/negative turbidity. Data retained.  
12/28/01 05:00:00 Zero/negative turbidity. Data retained.  
12/28/01 05:45:00 - 12/28/01 06:00:00 Zero/negative turbidity. Data retained.  
12/28/01 06:30:00 - 12/28/01 09:00:00 Zero/negative turbidity. Data retained.  
12/28/01 09:30:00 - 12/28/01 09:45:00 Zero/negative turbidity. Data retained.  
12/28/01 10:15:00 - 12/28/01 10:30:00 Zero/negative turbidity. Data retained.  
12/28/01 11:00:00 Zero/negative turbidity. Data retained.

12/28/01 12:15:00 - 12/28/01 15:45:00 Zero/negative depth due to low tides or low-pressure system.  
12/28/01 16:00:00 - 12/28/01 17:00:00 Zero/negative turbidity. Data retained.  
12/28/01 17:30:00 - 12/28/01 18:30:00 Zero/negative turbidity. Data retained.  
12/28/01 19:15:00 - 12/28/01 19:30:00 Zero/negative turbidity. Data retained.  
12/28/01 20:30:00 Spike in DO % and mg/L were deleted.  
12/28/01 20:30:00 - 12/28/01 21:00:00 Zero/negative turbidity. Data retained.  
12/28/01 22:45:00 Zero/negative turbidity. Data retained.  
12/28/01 23:15:00 Zero/negative turbidity. Data retained.  
12/28/01 23:30:00 - 12/29/01 02:00:00 Zero/negative depth due to low tides or low-pressure system.  
12/29/01 01:00:00 - 12/29/01 02:00:00 Zero/negative turbidity. Data retained.  
12/29/01 02:30:00 Zero/negative turbidity. Data retained.  
12/29/01 03:30:00 Zero/negative turbidity. Data retained.  
12/29/01 04:45:00 - 12/29/01 05:45:00 Zero/negative turbidity. Data retained.  
12/29/01 06:15:00 - 12/29/01 06:30:00 Zero/negative turbidity. Data retained.  
12/29/01 07:30:00 - 12/29/01 08:30:00 Zero/negative turbidity. Data retained.  
12/29/01 09:30:00 Zero/negative turbidity. Data retained.  
12/29/01 10:00:00 - 12/29/01 10:15:00 Zero/negative turbidity. Data retained.  
12/29/01 10:45:00 - 12/29/01 11:00:00 Zero/negative turbidity. Data retained.  
12/29/01 13:00:00 - 12/29/01 16:15:00 Zero/negative depth due to low tides or low-pressure system.  
12/29/01 16:15:00 - 12/29/01 16:30:00 Zero/negative turbidity. Data retained.  
12/29/01 17:30:00 - 12/29/01 18:15:00 Zero/negative turbidity. Data retained.  
12/29/01 18:45:00 - 12/29/01 19:45:00 Zero/negative turbidity. Data retained.  
12/29/01 20:15:00 - 12/29/01 20:30:00 Zero/negative turbidity. Data retained.  
12/29/01 21:15:00 - 12/29/01 21:30:00 Zero/negative turbidity. Data retained.  
12/30/01 12:00:00 - 12/30/01 12:15:00 Zero/negative turbidity. Data retained.  
12/30/01 12:45:00 Zero/negative turbidity. Data retained.  
12/30/01 14:30:00 - 12/30/01 16:00:00 Datalogger out of the water. Data deleted.  
12/30/01 15:15:00 - 12/30/01 16:00:00 Zero/negative turbidity. Data retained.  
12/30/01 19:00:00 - 12/30/01 19:15:00 Zero/negative turbidity. Data retained.

12/30/01 19:45:00 Zero/negative turbidity. Data retained.  
 12/30/01 20:30:00 - 12/30/01 20:45:00 Zero/negative turbidity. Data retained.  
 12/30/01 21:30:00 - 12/30/01 23:00:00 Zero/negative turbidity. Data retained.  
 12/30/01 23:30:00 - 12/31/01 01:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 01:30:00 - 12/31/01 03:45:00 Datalogger out of the water. Data deleted.  
 12/31/01 02:15:00 - 12/31/01 02:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 03:45:00 - 12/31/01 04:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 05:15:00 - 12/31/01 07:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 08:30:00 - 12/31/01 08:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 09:15:00 - 12/31/01 10:15:00 Zero/negative turbidity. Data retained.  
 12/31/01 10:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 11:15:00 - 12/31/01 13:15:00 Zero/negative turbidity. Data retained.  
 12/31/01 13:45:00 - 12/31/01 14:00:00 Zero/negative turbidity. Data retained.  
 12/31/01 14:30:00 - 12/31/01 14:45:00 Zero/negative turbidity. Data retained.  
 12/31/01 14:45:00 - 12/31/01 17:00:00 Datalogger out of the water. Data deleted.  
 12/31/01 15:15:00 Zero/negative turbidity. Data retained.  
 12/31/01 15:45:00 - 12/31/01 16:00:00 Zero/negative turbidity. Data retained.  
 12/31/01 16:30:00 - 12/31/01 18:15:00 Zero/negative turbidity. Data retained.  
 12/31/01 19:15:00 - 12/31/01 21:15:00 Zero/negative turbidity. Data retained.  
 12/31/01 22:00:00 - 12/31/01 23:45:00 Zero/negative turbidity. Data retained.

## 12. Missing data

Missing data are denoted by a period in the data set. Data are missing due to equipment failure where no probes were deployed, maintenance/calibration of equipment, elimination of obvious outliers or elimination of data due to calibration problems (both pre and post). For more details on deleted data, see the Data Anomalies Section. To find out more details about missing data, contact the Research Coordinator at the site submitting the data.

## 13. A. Post-deployment Information

End of deployment Post-calibration Readings in Standard Solutions:  
 na = no data available for that particular standard

Goodwin Island:

| Date       | Cond (ms)<br>(Std: 10) | DO (AirSat) pH<br>(Std: 100%) (Std: 7) | Turb Depth<br>(Std:0) (Std:0) |
|------------|------------------------|----------------------------------------|-------------------------------|
| 01/04/2001 | 10.090                 | 53.2 7.03                              | 2.2 0.034                     |
| 01/16/2001 | 9.833                  | 103.0 7.05                             | 5.9 0.054                     |
| 02/02/2001 | 10.100                 | 99.0 7.03                              | 0.9 -0.076                    |
| 02/14/2001 | 10.090                 | na 7.01                                | -1.5 -0.081                   |
| 02/28/2001 | 10.410                 | 96.9 6.97                              | -1.2 0.095                    |
| 03/15/2001 | 9.982                  | 97.4 7.07                              | na -0.207                     |
| 03/27/2001 | 9.827                  | 110.1 7.02                             | -0.6 0.002                    |
| 04/09/2001 | 9.541                  | 97.0 7.04                              | -0.2 -0.001                   |
| 04/17/2001 | 10.050                 | 100.0 6.82                             | 0.2 -0.056                    |
| 04/30/2001 | 10.100                 | 90.9 6.86                              | 2.0 0.134                     |
| 05/15/2001 | 9.640                  | 60.1 6.73                              | -0.6 -0.197                   |
| 05/22/2001 | 9.816                  | 101.6 6.77                             | -3.7 -0.073                   |
| 05/29/2001 | 9.975                  | na 6.75                                | 1.9 0.022                     |
| 06/05/2001 | 9.969                  | 97.8 6.9                               | -1.3 0.04                     |
| 06/12/2001 | 10.400                 | 102.5 6.78                             | -1.6 -0.005                   |
| 06/20/2001 | na                     | na na                                  | na na                         |
| 06/26/2001 | na                     | na na                                  | na na                         |
| 07/05/2001 | na                     | na na                                  | na na                         |
| 07/12/2001 | 9.861                  | 95.0 6.74                              | -3.8 0.006                    |
| 07/17/2001 | 10.540                 | 99.0 6.91                              | -0.8 0.036                    |
| 07/24/2001 | 10.200                 | 88.7 6.92                              | 3.9 -0.033                    |
| 07/31/2001 | na                     | na na                                  | na na                         |
| 08/09/2001 | 9.649                  | 82.6 6.98                              | 4.5 -0.118                    |
| 08/16/2001 | 9.928                  | 98.3 6.89                              | 0.6 0.031                     |
| 08/24/2001 | 10.010                 | 93.6 7.1                               | -5.1 -0.039                   |
| 08/28/2001 | 10.210                 | 102.6 6.96                             | -2.2 -0.034                   |
| 09/06/2001 | 9.911                  | 62.6 7.02                              | -4.1 0.075                    |
| 09/13/2001 | 10.430                 | 87.5 6.96                              | 1.3 -0.018                    |
| 09/18/2001 | 9.879                  | 91.1 7.01                              | 0.4 -0.04                     |
| 09/25/2001 | 10.320                 | 90.3 7.03                              | 0.1 -0.052                    |
| 10/11/2001 | 9.946                  | 106.0 7.08                             | -1.0 0.133                    |
| 10/30/2001 | 10.230                 | 73.7 7.13                              | 22.8 -0.027                   |
| 11/15/2001 | 9.977                  | 83.3 7.08                              | 4.5 na                        |
| 11/30/2001 | 8.648                  | 67.0 7.12                              | 0.9 -0.105                    |
| 12/12/2001 | 10.05                  | 95.8 7.13                              | 2.9 0.059                     |
| 12/20/2001 | 10.12                  | 100.7 7.15                             | 2.9 -0.087                    |
| 01/10/2002 | 10.03                  | 57.2 7.37                              | -0.1 -0.032                   |

Taskinas Creek:

| Date       | Cond (ms)<br>(Std: 10) | DO (AirSat) pH<br>(Std: 100%) (Std: 7) | Turb Depth<br>(Std:0) (Std:0) |
|------------|------------------------|----------------------------------------|-------------------------------|
| 01/04/2001 | 10.18                  | 103.3 7.32                             | 8.4 0.063                     |
| 01/17/2001 | 10.15                  | 111.7 6.96                             | 26.5 -0.150                   |
| 01/31/2001 | 10.02                  | 93.5 7.15                              | 13.4 0.096                    |
| 02/15/2001 | 10.11                  | 116.5 6.92                             | 6.5 0.044                     |
| 02/28/2001 | 10.71                  | 94.7 7.41                              | 6.5 -0.073                    |
| 03/14/2001 | 10.49                  | 102.5 6.96                             | 4.9 na                        |
| 03/29/2001 | 9.73                   | 100.8 7.29                             | 9.0 0.028                     |
| 04/11/2001 | 10.54                  | 89.1 6.91                              | 4.7 0.014                     |

| Date       | Temp<br>C | SpCond<br>mS/cm ppt | Salinity<br>% | DO<br>mg/L | DO<br>m | Depth<br>NTU | pH | Turb |
|------------|-----------|---------------------|---------------|------------|---------|--------------|----|------|
| 01/04/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 01/16/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 02/02/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 02/14/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 02/28/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 03/15/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 03/27/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 04/09/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 04/17/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 04/30/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 05/15/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 05/22/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 05/29/2001 | na        | na na               | na            | na         | na      | na na        |    |      |
| 06/05/2001 | na        | na na               | na            | na         | na      | na na        |    |      |

|            |    |    |    |    |    |    |    |    |
|------------|----|----|----|----|----|----|----|----|
| 06/12/2001 | na | na | na | na | na | na | na | na |
| 06/20/2001 | na | na | na | na | na | na | na | na |
| 06/26/2001 | na | na | na | na | na | na | na | na |
| 07/05/2001 | na | na | na | na | na | na | na | na |

|            |    |    |    |    |    |    |    |    |
|------------|----|----|----|----|----|----|----|----|
| 07/12/2001 | na | na | na | na | na | na | na | na |
|------------|----|----|----|----|----|----|----|----|

|            |       |        |       |       |       |       |      |      |
|------------|-------|--------|-------|-------|-------|-------|------|------|
| 07/17/2001 | 28.55 | 33.456 | 20.87 | 120.9 | 8.34  | 0.483 | 8.19 | 4.2  |
| 07/24/2001 | 27.20 | 34.252 | 21.45 | 105.2 | 7.41  | 0.676 | 7.96 | 8.4  |
| 07/31/2001 | 25.21 | 35.770 | 22.55 | 142.5 | 10.32 | 0.655 | 7.86 | -0.5 |
| 08/09/2001 | 29.24 | 35.721 | 22.42 | 113.2 | 7.66  | 0.752 | 7.76 | 7.6  |
| 08/16/2001 | 29.63 | 35.670 | 22.37 | 128.3 | 8.63  | 1.281 | 8.06 | 9.2  |
| 08/24/2001 | 27.23 | 36.101 | 22.73 | 102.1 | 7.13  | 0.870 | 7.88 | 13.6 |
| 08/28/2001 | 28.15 | 37.040 | 23.37 | 116.6 | 7.99  | 0.436 | 8.07 | 8.7  |
| 09/06/2001 | 25.04 | 34.550 | 21.69 | 102.0 | 7.44  | 1.187 | 8.09 | 5.7  |
| 09/13/2001 | 26.40 | 35.820 | 22.55 | 120.5 | 8.55  | 0.496 | 8.04 | 5.4  |
| 09/18/2001 | 23.85 | 36.890 | 23.36 | 128.1 | 9.45  | 0.182 | 8.26 | 6.9  |
| 09/25/2001 | 22.99 | 36.970 | 23.42 | 94.8  | 7.10  | 0.525 | 7.95 | 0.3  |
| 10/11/2001 | 19.39 | 34.149 | 21.49 | 129.1 | 10.46 | 0.565 | 8.09 | 71.6 |
| 10/30/2001 | 14.89 | 38.870 | 24.78 | 126.4 | 10.97 | 0.278 | 8.11 | -2.5 |
| 11/15/2001 | 13.26 | 33.985 | 21.35 | 110.1 | 10.10 | 0.755 | 7.82 | -2.3 |
| 11/30/2001 | 16.34 | 38.520 | 24.54 | 119.3 | 10.07 | 0.180 | 8.00 | 5.6  |
| 12/12/2001 | 12.90 | 33.380 | 20.92 | 106.7 | 9.89  | 0.817 | 8.11 | 12.5 |
| 12/20/2001 | 12.08 | 37.940 | 24.06 | 108.0 | 9.99  | 0.836 | 8.13 | 0.9  |
| 01/10/2002 | 5.35  | 39.322 | 24.63 | 120.0 | 12.89 | 0.036 | 8.11 | 3.4  |

Taskinas Creek:

| Date       | Temp<br>C | SpCond<br>mS/cm | Sal<br>ppt | DO<br>% | DO<br>mg/L | Depth<br>m | pH   | Turb<br>NTU |
|------------|-----------|-----------------|------------|---------|------------|------------|------|-------------|
| 01/04/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 01/17/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 01/31/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 02/15/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 02/28/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 03/14/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 03/29/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 04/11/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 04/24/2001 | na        | na              | na         | na      | na         | na         | na   | na          |
| 05/07/2001 | 22.0      | 13.09           | 7.5        | 84.1    | 7.0        | 2.44       | 06.9 | 41.0        |
| 05/15/2001 | 20.9      | 18.36           | 10.9       | 83.9    | 7.0        | 1.02       | 07.0 | 160.0       |
| 05/22/2001 | 23.3      | 20.05           | 12.0       | 62.8    | 5.0        | 0.81       | 06.7 | 165.0       |
| 05/30/2001 | na        | na              | na         | na      | na         | n/a        | n/a  | n/a         |
| 06/06/2001 | 25.9      | 5.02            | 2.7        | 141.6   | 11.3       | 0.51       | 07.7 | 238.0       |
| 06/13/2001 | 31.5      | 16.97           | 9.9        | 105.3   | 7.4        | 1.32       | 07.2 | 6.0         |
| 06/22/2001 | 27.3      | 18.09           | 10.7       | 59.5    | 4.4        | 0.94       | 07.0 | 399.0       |
| 06/27/2001 | 26.3      | 13.33           | 7.7        | 82.4    | 6.4        | 0.67       | 06.7 | 45.0        |
| 07/03/2001 | 25.6      | 10.25           | 5.8        | 131.6   | 10.4       | 0.45       | 07.4 | 101.0       |
| 07/12/2001 | 28.6      | 21.83           | 13.1       | 134.9   | 9.7        | 1.24       | 07.8 | 85.0        |
| 07/19/2001 | 26.3      | 19.55           | 11.6       | na      | na         | 0.73       | 07.0 | 45.0        |
| 07/26/2001 | 27.8      | 17.52           | 10.3       | 92.3    | 6.8        | 0.47       | na   | 115.0       |

|            |      |       |      |       |      |      |      |       |
|------------|------|-------|------|-------|------|------|------|-------|
| 08/02/2001 | 24.7 | 26.70 | 16.3 | 72.8  | 5.5  | 1.19 | 07.5 | 89.0  |
| 08/08/2001 | 30.6 | 26.13 | 15.9 | 103.8 | 7.1  | 1.35 | 07.6 | 102.0 |
| 08/15/2001 | 30.7 | 22.00 | 13.1 | 141.3 | 9.8  | 1.00 | 07.8 | 142.0 |
| 08/22/2001 | 28.6 | 15.64 | 9.1  | 93.3  | 6.9  | 0.05 | 07.8 | 4.0   |
| 08/29/2001 | 29.1 | 22.37 | 13.4 | 96.0  | 6.8  | 0.78 | 07.0 | 52.0  |
| 09/04/2001 | 27.0 | 19.82 | 11.8 | 68.9  | 5.1  | 0.70 | 07.7 | 34.0  |
| 09/13/2001 | 27.7 | 24.79 | 15.0 | 159.4 | 11.5 | 1.11 | 07.6 | 107.0 |
| 09/18/2001 | 20.7 | 26.33 | 16.1 | 87.4  | 7.1  | 1.72 | 07.4 | 77.0  |
| 10/04/2001 | 19.7 | 29.21 | 18.1 | 105.0 | 8.6  | 1.32 | 07.7 | 45.0  |
| 10/17/2001 | 17.0 | 30.34 | 18.9 | 79.3  | 6.8  | 1.39 | 07.7 | 32.0  |
| 11/01/2001 | 14.1 | 28.82 | 17.8 | 96.2  | 8.9  | 1.29 | 07.7 | 27.0  |
| 11/14/2001 | 10.2 | 31.74 | 19.7 | 109.3 | 10.8 | 1.35 | 07.8 | 27.0  |
| 11/28/2001 | 15.7 | 21.06 | 12.7 | 91.6  | 8.4  | 0.66 | 07.4 | 21.0  |
| 12/12/2001 | 11.9 | 27.53 | 16.9 | 122.9 | 11.9 | 0.82 | 07.8 | 44.0  |
| 12/21/2001 | 8.8  | 28.50 | 17.5 | 105.8 | 11.0 | 1.11 | 07.9 | 90.0  |
| 01/05/2002 | 3.2  | 29.58 | 17.9 | 113.1 | 13.4 | 1.21 | 7.86 | 27.9  |

13.C Field Verification samples:  
na = no data available

Goodwin Island:

| Date       | Salinity<br>ppt | pH | Water Temp<br>C | Secchi<br>m |      |
|------------|-----------------|----|-----------------|-------------|------|
| 01/04/2001 | 21.387          |    | 7.8             | 2.4         | 1.00 |
| 01/16/2001 | 23.161          |    | 8.0             | 5.8         | na   |
| 02/02/2001 | 22.134          |    | 8.0             | 7.0         | 1.19 |
| 02/14/2001 | 21.686          |    | 7.5             | 7.6         | 1.25 |
| 02/28/2001 | 21.557          |    | 7.8             | 7.7         | 1.37 |
| 03/15/2001 | 21.884          |    | na              | 9.6         | 1.00 |
| 03/27/2001 | 20.770          |    | 6.9             | 1.5         |      |
| 04/09/2001 | 19.618          |    | 8.0             | 14.1        | 1.73 |
| 04/17/2001 | 17.862          |    | 8.0             | 14.0        | 1.20 |
| 04/30/2001 | 19.125          |    | 8.1             | 18.1        | 1.10 |
| 05/15/2001 | na              | na | 20.2            |             | 1.00 |
| 05/22/2001 | 19.738          |    | 7.9             | 21.1        | 1.35 |
| 05/29/2001 | 19.930          |    | 7.7             | 21.9        | na   |
| 06/05/2001 | 19.771          |    | 7.9             | 22.7        | 1.30 |
| 06/12/2001 | 18.014          |    | 8.1             | 28.2        | 1.10 |
| 06/20/2001 | na              | na | 31.1            |             | 0.73 |
| 06/26/2001 | 18.559          |    | 6.9             | 30.3        | 1.00 |
| 07/05/2001 | na              | na | 27.2            |             | 1.30 |
| 07/12/2001 | 21.296          |    | 7.7             | 24.9        | 1.00 |
| 07/17/2001 | 21.240          |    | 8.2             | 29.3        | 1.20 |
| 07/24/2001 | 21.846          |    | 7.6             | 27.6        | 1.10 |
| 07/31/2001 | na              | na | 25.3            |             | 1.10 |
| 08/09/2001 | 22.605          |    | 7.9             | 29.5        | 0.97 |
| 08/16/2001 | 22.130          |    | 8.1             | 29.9        | 1.20 |
| 08/24/2001 | 22.423          |    | 8.1             | 27.7        | 0.80 |
| 08/28/2001 | 22.497          |    | 7.9             | 30.1        | 0.90 |
| 09/06/2001 | 22.036          |    | 8.1             | 25.2        | 1.20 |
| 09/13/2001 | 22.558          |    | 8.2             | na          | 0.84 |
| 09/18/2001 | 23.253          |    | 8.2             | 24.0        | 0.90 |
| 09/25/2001 | 22.460          |    | 8.1             | na          | 1.20 |

|            |        |    |     |      |      |
|------------|--------|----|-----|------|------|
| 10/11/2001 | 23.659 |    | 8.3 | 19.0 | 1.41 |
| 10/30/2001 | 24.464 |    | na  | 15.0 | 0.80 |
| 11/15/2001 | 24.784 |    | 8.0 | 13.0 | 1.50 |
| 11/30/2001 | 24.744 |    | na  | 17.0 | 0.90 |
| 12/12/2001 | na     | na | na  | 1.2  |      |
| 12/20/2001 | na     | na | na  | na   |      |
| 01/10/2002 | 24.902 |    | 8.1 | 5.1  | 0.78 |

Taskinas Creek:

| Date       | Salinity<br>ppt | pH   | Water<br>C | Temp | Secchi<br>m |
|------------|-----------------|------|------------|------|-------------|
| 01/04/2001 | 13.315          |      | 7.35       | 2.8  | 0.38        |
| 01/17/2001 | 5.085           | 7.35 | 5.1        |      | 0.52        |
| 01/31/2001 | 5.122           | 7.35 | 7.6        |      | 0.33        |
| 02/15/2001 | 12.119          |      | 7.90       | 10.2 | 0.41        |
| 02/28/2001 | 13.487          |      | 7.70       | 8.6  | 0.27        |
| 03/14/2001 | 6.503           | 7.50 | 12.9       |      | 0.34        |
| 03/29/2001 | 11.023          |      | 8.05       | 9.2  | 0.13        |
| 04/11/2001 | na              | 7.45 | 16.7       |      | 0.14        |
| 04/24/2001 | 11.63           | 7.55 | 22.0       |      | 0.19        |
| 05/07/2001 | na              | 7.05 | 21.8       |      | 0.09        |
| 05/15/2001 | 11.434          |      | 7.40       | 21.4 | 0.14        |
| 05/22/2001 | 6.958           | 7.10 | 25.2       |      | 0.30        |
| 05/30/2001 | 6.563           | 7.10 | 21.9       |      | na          |
| 06/06/2001 | 6.554           | na   | 26.7       |      | na          |
| 06/13/2001 | na              | 7.50 | 32.1       |      | 0.26        |
| 06/22/2001 | 11.227          |      | 7.00       | 27.4 | 0.15        |
| 06/27/2001 | 8.539           | 7.10 | 26.0       |      | 0.34        |
| 07/03/2001 | 6.548           | 7    | 26.2       |      | 0.17        |
| 07/12/2001 | na              | na   | 30.0       |      | 0.34        |
| 07/19/2001 | 13.832          |      | 6.30       | 27.0 | 0.38        |
| 07/26/2001 | 9.774           | 6.40 | 28.2       |      | 0.26        |
| 08/02/2001 | na              | na   | 24.8       |      | 0.27        |
| 08/08/2001 | 16.034          |      | 6.40       | 32.8 | 0.31        |
| 08/15/2001 | 11.455          |      | 6.70       | 30.8 | 0.27        |
| 08/22/2001 | 14.378          |      | 6.70       | 29.3 | 0.35        |
| 08/29/2001 | 11.165          |      | 7.60       | 29.5 | 0.39        |
| 09/04/2001 | 14.976          |      | 7.90       | 27.0 | 0.16        |
| 09/13/2001 | 15.859          |      | 7.80       | 24.0 | 0.39        |
| 09/18/2001 | 11.455          |      | 6.70       | 21.0 | 0.32        |
| 10/04/2001 | 16.654          |      | 7.60       | na   | 0.31        |
| 10/17/2001 | 18.994          |      | 7.60       | 16.5 | 0.22        |
| 11/01/2001 | 19.374          |      | 7.93       | 14.0 | 0.45        |
| 11/14/2001 | 19.783          |      | 7.92       | 10.0 | 0.45        |
| 11/28/2001 | 13.877          |      | 7.50       | 16.0 | 0.40        |
| 12/12/2001 | 10.561          |      | 7.40       | na   | 0.40        |
| 12/21/2001 | 17.44           | 7.89 | 9.0        |      | 0.25        |
| 01/05/2002 | 17.64           | 7.79 | 3.5        |      | 0.41        |

14. Remarks



On 06/30/2021 this dataset was updated to include embedded QAQC flags for anomalous/suspect data. System-wide monitoring data beginning in 2007 were processed to allow for QAQC flags and codes to be embedded in the data files rather than detailed in the metadata alone (as in the anomalous/suspect, deleted, and missing data sections above). Prior to 2006, rejected data were deleted from the dataset so they are unavailable to be used at all, but suspect data were only noted in the metadata document. Suspect data flags <1> were embedded retroactively in order to allow suspect data to be easily identified and filtered from the dataset if desired for analysis and reporting purposes. No other flags or codes were embedded in the dataset and users should still refer to the detailed explanations above for more information.

A) Depth measurements were determined with non-vented pressure transducers and therefore depth data should be considered relative depth. Negative depth values can be due to extremely low water conditions, low-pressure systems, or probes being out of the water. In the event where probes were clearly out of the water, as verified by specific conductance values, data were deleted. When specific conductance values did not indicate probe exposure, negative depth values were retained and data was marked as suspect.

B) Due to conductance calibration error that occurred on a few occasions, salinity values were adjusted based on field verification samples taken at each datasonde deployment and retrieval. Datasonde specific conductance data were deleted and replaced with periods. Corrected salinity values are presented in edited and raw data files. Percent dissolved oxygen saturation values were recalculated based on equations provided by APHA Standard Methods 1989. No changes were made to raw dissolved oxygen concentration data.

C) Any time a reference is made to turbidity data being negative and/or zero, it was recorded as a negative in the raw data file and a zero in the edited data file due to the formatting of Excel. The technician edited none of these data points by hand nor did he/she delete any of them.

D) On a few occasions, turbidity spikes >300 NTU and <1000 NTU were noted to occur during low water conditions. These data were marked as suspect and may be a result of resuspended sediment due to wave action.

E) When a particular sample appears twice, at the end of one deployment and at the beginning of another, the file that most closely resembles the existing trend is the one kept.

F) Please note: Frequent time skips occurred due to low batteries, water leakage into the battery compartment, and for no apparent reason.