

MISSING DATA

This section identifies data that are missing from the dataset and erroneous data that were removed by the 2003 Rescue Project Data Manager. Wherever possible, missing data are correlated with information from relevant documentation that may help to explain their absence. Identification of erroneous data that were removed includes an explanation for their removal. These data were removed from the final data set only and are still present in the raw data. Please see the Anomalous Data section for a complete list of all erroneous and questionable data. The following information is organized by parameter within each year.

Water Quality data were collected at Debidue Creek for the following dates:

03/05/1998 – 12/31/2002

1998

All Variables

04/14/98 10:30 – 04/14/98 11:00	maintenance
04/29/98 12:00 – 05/07/98 13:00	2003 Data Manager removed erroneous data (the instrument's mounting pipe was pulled up from the bottom during an extreme high tide and washed down stream several hundred yards, all parameters seemed affected to some extent: salinity, SpCond, pH, and DO in particular)
05/10/98 09:30 – 05/10/98 11:30	recalibrated Sal and SpCond with fresh standard
05/21/98 09:30 – 05/21/98 10:00	maintenance
06/23/98 09:00 – 06/25/98 09:30	maintenance
07/27/98 11:00 – 07/30/98 14:30	maintenance
09/03/98 08:00 – 09/03/98 08:30	maintenance
10/07/98 12:00 – 10/08/98 09:30	maintenance
10/21/98 09:30 – 10/21/98 10:30	instrument error
10/21/98 11:30	instrument error
10/21/98 21:00 – 10/23/98 10:00	maintenance
11/09/98 12:30 – 11/09/98 13:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
11/09/98 14:00 – 11/11/98 13:00	maintenance
11/23/98 11:00 – 11/25/98 10:00	maintenance
12/09/98 13:30 – 12/10/98 13:30	maintenance
12/21/98 10:30 – 12/22/98 11:00	maintenance

Temperature

None other than missing data listed in "All Variables" above

Specific Conductivity

04/14/98 11:30 – 05/10/98 09:00	NERR Technician removed erroneous data, probe was calibrated in contaminated standard
06/03/98 10:00 – 06/23/98 08:30	2003 Data Manager removed erroneous data (extremely high readings, probe was probably calibrated in contaminated standard)
11/11/98 13:30 – 11/23/98 10:30	2003 Data Manager removed erroneous data (extremely high readings, probe was probably calibrated in contaminated standard)

Salinity

04/14/98 11:30 – 05/10/98 09:00	NERR Technician removed erroneous data, probe was calibrated in contaminated standard
06/03/98 10:00 – 06/23/98 08:30	2003 Data Manager removed erroneous data (extremely high readings, probe was probably calibrated in contaminated standard)
11/11/98 13:30 – 11/23/98 10:30	2003 Data Manager removed erroneous data (extremely high readings, probe was probably calibrated in contaminated standard)

Dissolved Oxygen %

09/16/98 10:00 – 09/16/98 10:30 NERR Technician removed negative values
 09/16/98 12:30 – 09/16/98 13:30 NERR Technician removed negative values

Dissolved Oxygen mg/L

04/14/98 11:30 – 05/10/98 09:00 2003 Data Manager removed erroneous data (conductivity probe was calibrated in contaminated standard, all affected parameters were removed)
 06/03/98 10:00 – 06/23/98 08:30 2003 Data Manager removed erroneous data (conductivity probe was probably calibrated in contaminated standard, all affected parameters were removed)
 09/16/98 10:00 – 09/16/98 10:30 NERR Technician removed negative values
 09/16/98 12:30 – 09/16/98 13:30 NERR Technician removed negative values
 11/11/98 13:30 – 11/23/98 10:30 2003 Data Manager removed erroneous data (conductivity probe was probably calibrated in contaminated standard, all affected parameters were removed)

Depth

04/14/98 11:30 – 05/10/98 09:00 2003 Data Manager removed erroneous data (conductivity probe was calibrated in contaminated standard, all affected parameters were removed)
 06/03/98 10:00 – 06/23/98 08:30 2003 Data Manager removed erroneous data (conductivity probe was probably calibrated in contaminated standard, all affected parameters were removed)
 11/25/98 10:30 – 12/09/98 13:00 instrument error, no data were recorded
 11/11/98 13:30 – 11/23/98 10:30 2003 Data Manager removed erroneous data (conductivity probe was probably calibrated in contaminated standard, all affected parameters were removed)

pH

11/25/98 10:30 – 12/09/98 13:00 instrument error, no data were recorded

Turbidity

08/08/98 04:30 – 08/19/98 10:30 2003 Data Manager removed erroneous data (extremely high readings, often the same value, through the end of the deployment period)
 09/13/98 09:30 – 09/21/98 09:00 probe covered in algae
 09/13/98 09:30 – 09/21/98 09:00
 11/25/98 10:30 – 12/09/98 13:00 instrument error, no data were recorded

1999**All Variables**

01/14/99 11:00 – 01/17/99 14:30 maintenance
 02/03/99 11:00 – 02/06/99 13:30 maintenance
 02/22/99 14:00 – 02/24/99 15:30 maintenance
 03/11/99 15:00 – 03/12/99 15:30 maintenance
 04/01/99 14:30 – 04/02/99 10:30 maintenance
 04/20/99 12:00 – 04/21/99 12:30 maintenance
 05/05/99 10:30 – 05/06/99 12:00 maintenance
 05/24/99 09:00 – 05/25/99 15:00 maintenance
 06/14/99 11:30 – 07/07/99 14:00 maintenance
 07/22/99 10:30 – 07/24/99 10:00 maintenance
 08/10/99 11:30 – 08/19/99 08:00 NERR Technician removed erroneous data (high tide uprooted PVC mounting tube, all probes were fouled when unit was collected on 8/12/99)
 09/01/99 12:30 – 09/03/99 13:30 maintenance
 09/22/99 09:30 – 10/16/99 12:00 maintenance, instrument failure
 11/03/99 15:30 – 11/05/99 10:30 maintenance
 11/22/99 12:00 – 11/24/99 12:30 maintenance
 11/28/99 21:30 – 12/14/99 12:00 maintenance, battery failure

Temperature

None other than missing data listed in “**All Variables**” above

Specific Conductivity

None other than missing data listed in “**All Variables**” above

Salinity

None other than missing data listed in “**All Variables**” above

Dissolved Oxygen % and mg/L

05/12/99 16:00 – 05/24/99 08:30 2003 Data Manager removed erroneous data (very high DO readings, possible membrane puncture)
 08/02/99 21:00 – 08/10/99 11:00 2003 Data Manager removed erroneous data (very high DO readings, possible membrane puncture)

Depth

08/10/99 11:30 – 08/10/99 12:00
 08/10/99 13:30 – 08/10/99 14:30

pH

None other than missing data listed in “**All Variables**” above

Turbidity

08/04/99 20:00 – 08/10/99 11:00 2003 Data Manager removed erroneous data (extremely high readings, often the same value, probe was probably covered in algae or an animal may have been living in the probe compartment)
 09/14/99 21:00 - 09/22/99 09:00 2003 Data Manager removed erroneous data (extremely high readings, often the same value, probe was probably covered in algae or an animal may have been living in the probe compartment)

2000**All Variables**

01/05/00 00:30 2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
 01/05/00 01:00 NERR Technician removed erroneous data (probes out of water)
 01/11/00 10:30 – 01/14/00 13:30
 01/16/00 21:00 – 01/16/00 23:00 NERR Technician removed erroneous data (probes out of water)
 01/25/00 18:00 NERR Technician removed erroneous data (probes out of water)
 02/03/00 08:30 – 02/09/00 13:30
 02/11/00 17:30 – 02/11/00 18:30 NERR Technician removed erroneous data (probes out of water)
 02/14/00 20:00 – 02/14/00 22:30 NERR Technician removed erroneous data (probes out of water)
 02/16/00 23:00 – 02/17/00 00:00 NERR Technician removed erroneous data (probes out of water)
 02/19/00 01:30 – 02/19/00 02:00 NERR Technician removed erroneous data (probes out of water)
 02/19/00 14:30 – 02/19/00 15:00 NERR Technician removed erroneous data (probes out of water)
 02/20/00 02:00 – 02/20/00 03:30 NERR Technician removed erroneous data (probes out of water)
 02/28/00 14:30 – 03/01/00 16:00
 03/06/00 02:00 NERR Technician removed erroneous data (probes out of water)
 03/08/00 03:30 NERR Technician removed erroneous data (probes out of water)
 03/08/00 15:30 – 03/08/00 16:30 NERR Technician removed erroneous data (probes out of water)
 03/09/00 04:00 – 03/09/00 04:30 NERR Technician removed erroneous data (probes out of water)
 03/09/00 16:30 – 03/09/00 17:00 NERR Technician removed erroneous data (probes out of water)
 03/10/00 05:00 – 03/10/00 05:30 NERR Technician removed erroneous data (probes out of water)
 03/10/00 17:00 – 03/10/00 17:30 NERR Technician removed erroneous data (probes out of water)
 03/12/00 06:30 – 03/12/00 08:00 NERR Technician removed erroneous data (probes out of water)
 03/12/00 17:30 – 03/12/00 19:30 NERR Technician removed erroneous data (probes out of water)
 03/17/00 12:00 – 03/17/00 13:00 NERR Technician removed erroneous data (probes out of water)
 03/18/00 00:30 2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
 03/20/00 13:30 – 03/23/00 11:00

04/04/00 02:00	NERR Technician removed erroneous data (probes out of water)
04/04/00 13:30 – 04/04/00 15:00	NERR Technician removed erroneous data (probes out of water)
04/05/00 01:30 – 04/05/00 03:00	NERR Technician removed erroneous data (probes out of water)
04/05/00 14:30 – 04/05/00 15:00	NERR Technician removed erroneous data (probes out of water)
04/06/00 15:00 – 04/06/00 16:00	NERR Technician removed erroneous data (probes out of water)
04/07/00 04:00 – 04/07/00 04:30	NERR Technician removed erroneous data (probes out of water)
04/07/00 16:00 – 04/07/00 16:30	NERR Technician removed erroneous data (probes out of water)
04/08/00 17:00 – 04/08/00 17:30	NERR Technician removed erroneous data (probes out of water)
04/09/00 05:00 – 04/09/00 07:00	NERR Technician removed erroneous data (probes out of water)
04/09/00 18:00	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
04/11/00 14:00 – 04/14/00 09:30	
04/27/00 14:30 – 05/04/00 13:00	
05/17/00 08:00 – 05/19/00 12:30	
05/31/00 01:30 – 06/10/00 14:00	
06/22/00 11:00 – 06/23/00 12:00	
06/29/00 12:00	NERR Technician removed erroneous data (probes out of water)
07/05/00 10:00 – 07/06/00 12:30	
07/17/00 08:30 – 07/18/00 09:30	
07/31/00 08:30 – 08/01/00 07:30	
08/10/00 16:30 – 08/11/00 17:00	
08/22/00 11:00 – 08/22/00 15:00	
08/30/00 08:00 – 08/31/00 08:30	
09/14/00 08:30 – 09/15/00 08:30	
09/22/00 13:30 – 09/23/00 16:00	
10/04/00 12:30 – 10/05/00 12:00	
10/19/00 10:30 – 10/20/00 13:30	
11/08/00 10:00 – 11/09/00 11:00	
11/21/00 23:00 – 11/21/00 23:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
11/23/00 00:00	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
11/27/00 09:30 – 11/28/00 10:00	
12/15/00 05:30	
12/17/00 19:00 – 12/17/00 20:00	NERR Technician removed erroneous data (probes out of water)
12/19/00 11:30 – 12/20/00 09:30	
12/23/00 00:00 – 12/23/00 00:30	NERR Technician removed erroneous data (probes out of water)

Temperature

None other than missing data listed in “**All Variables**” above

Specific Conductivity

None other than missing data listed in “**All Variables**” above

Salinity

None other than missing data listed in “**All Variables**” above

Dissolved Oxygen % & mg/L

01/14/00 14:00 – 02/03/00 08:00	2003 Data Manager removed erroneous data (readings were extremely high during the entire deployment, membrane may have been improperly installed or punctured during deployment)
07/18/00 19:30 – 07/31/00 08:00	2003 Data Manager removed erroneous data (readings were extremely high during the entire deployment, membrane may have been improperly installed or punctured during deployment)
08/11/00 17:30 – 08/22/00 10:30	NERR Technician removed skewed data, membrane was damaged

Depth

None other than missing data listed in “**All Variables**” above

pH

08/22/00 11:00 – 08/31/00 08:30 NERR Technician removed erroneous data (suspected probe failure, calibration constants were off)

Turbidity

01/19/00 19:00 – 02/09/00 13:30 NERR Technician removed erroneous data (readings greater than 1000, attributed to a wiper blade malfunction)
 02/01/00 00:00 – 02/03/00 08:00 NERR Technician removed erroneous data (readings greater than 1000, attributed to a wiper blade malfunction)
 03/13/00 08:30 – 03/20/00 13:00 2003 Data Manager removed erroneous data (readings climbed steadily to unbelievably high values through the end of this deployment period, possible algal fouling)
 03/20/00 13:30 – 05/19/00 12:30 NERR Technician removed erroneous data (probe failure)
 11/01/00 00:00 – 11/08/00 09:30 NERR Technician removed erroneous data (greater than 1000, attributed to growth of filamentous algae on probe; wiper was not 180 degrees upon retrieval)
 11/01/00 00:00 – 11/28/00 10:00
 11/09/00 11:30 – 11/27/00 09:00 NERR Technician removed erroneous data (wiper blade fell off during the deployment)

2001**All Variables**

01/05/01 22:00 – 01/05/01 23:30 NERR Technician removed erroneous data (probes out of water)
 01/08/01 00:00 – 01/08/01 00:30 NERR Technician removed erroneous data (probes out of water)
 01/08/01 11:00 – 01/10/01 09:00
 01/10/01 15:30 2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
 01/11/01 02:30 – 01/11/01 04:00 NERR Technician removed erroneous data (probes out of water)
 01/11/01 16:30 NERR Technician removed erroneous data (probes out of water)
 01/12/01 03:30 – 01/12/01 05:00 NERR Technician removed erroneous data (probes out of water)
 01/12/01 17:00 NERR Technician removed erroneous data (probes out of water)
 01/20/01 22:00 – 01/21/01 02:00 NERR Technician removed erroneous data (probes out of water)
 01/21/01 11:30 – 01/21/01 12:30 NERR Technician removed erroneous data (probes out of water)
 01/22/01 00:30 2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
 01/22/01 11:00 – 01/30/01 10:30
 01/30/01 16:30 – 01/30/01 19:00 NERR Technician removed erroneous data (probes out of water)
 01/31/01 05:30 – 01/31/01 07:30 NERR Technician removed erroneous data (probes out of water)
 01/31/01 17:30 – 01/31/01 20:00 NERR Technician removed erroneous data (probes out of water)
 02/01/01 06:30 – 02/01/01 08:00 NERR Technician removed erroneous data (probes out of water)
 02/01/01 18:30 – 02/01/01 19:30 NERR Technician removed erroneous data (probes out of water)
 02/02/01 08:00 NERR Technician removed erroneous data (probes out of water)
 02/02/01 19:00 – 02/02/01 21:30 NERR Technician removed erroneous data (probes out of water)
 02/04/01 22:30 – 02/04/01 23:30 NERR Technician removed erroneous data (probes out of water)
 02/05/01 11:00 – 02/05/01 12:30 NERR Technician removed erroneous data (probes out of water)
 02/05/01 22:30 – 02/06/01 01:30 NERR Technician removed erroneous data (probes out of water)
 02/06/01 12:30 – 02/06/01 14:00 NERR Technician removed erroneous data (probes out of water)
 02/07/01 00:00 – 02/07/01 02:00 NERR Technician removed erroneous data (probes out of water)
 02/07/01 13:30 – 02/07/01 14:30 NERR Technician removed erroneous data (probes out of water)
 02/08/01 01:00 – 02/08/01 03:30 NERR Technician removed erroneous data (probes out of water)
 02/08/01 14:30 – 02/08/01 16:00 NERR Technician removed erroneous data (probes out of water)
 02/09/01 02:00 – 02/09/01 04:00 NERR Technician removed erroneous data (probes out of water)
 02/09/01 15:00 2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)

02/09/01 15:30 – 02/09/01 16:30	NERR Technician removed erroneous data (probes out of water)
02/10/01 02:30 – 02/10/01 05:30	NERR Technician removed erroneous data (probes out of water)
02/10/01 15:30 – 02/10/01 18:00	NERR Technician removed erroneous data (probes out of water)
02/11/01 03:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
02/11/01 04:00 – 02/11/01 05:30	NERR Technician removed erroneous data (probes out of water)
02/13/01 06:00 – 02/13/01 07:00	NERR Technician removed erroneous data (probes out of water)
02/13/01 07:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
02/13/01 17:30 – 02/13/01 19:00	NERR Technician removed erroneous data (probes out of water)
02/15/01 08:00	NERR Technician removed erroneous data (probes out of water)
02/17/01 10:00 – 02/17/01 10:30	NERR Technician removed erroneous data (probes out of water)
02/21/01 00:00	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
02/21/01 00:30 – 02/21/01 01:00	NERR Technician removed erroneous data (probes out of water)
02/26/01 03:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
02/26/01 04:00	NERR Technician removed erroneous data (probes out of water)
02/26/01 16:00 – 02/26/01 16:30	NERR Technician removed erroneous data (probes out of water)
03/02/01 18:00 – 03/02/01 19:30	NERR Technician removed erroneous data (probes out of water)
03/05/01 09:30 – 03/05/01 11:30	NERR Technician removed erroneous data (probes out of water)
03/05/01 21:30 – 03/05/01 23:00	NERR Technician removed erroneous data (probes out of water)
03/06/01 10:30 – 03/06/01 13:30	NERR Technician removed erroneous data (probes out of water)
03/06/01 22:30 – 03/07/01 00:30	NERR Technician removed erroneous data (probes out of water)
03/13/01 09:00	
03/13/01 16:30 – 03/13/01 18:00	NERR Technician removed erroneous data (probes out of water)
03/14/01 05:30 – 03/14/01 06:30	NERR Technician removed erroneous data (probes out of water)
03/14/01 17:30 – 03/14/01 18:00	NERR Technician removed erroneous data (probes out of water)
03/15/01 19:00	NERR Technician removed erroneous data (probes out of water)
03/22/01 00:30 – 03/22/01 01:00	NERR Technician removed erroneous data (probes out of water)
03/25/01 02:30	NERR Technician removed erroneous data (probes out of water)
03/30/01 17:30 – 03/30/01 18:00	NERR Technician removed erroneous data (probes out of water)
03/31/01 18:30	NERR Technician removed erroneous data (probes out of water)
04/01/01 18:30 – 04/01/01 21:00	NERR Technician removed erroneous data (probes out of water)
04/02/01 14:30	
04/03/01 21:30 – 04/03/01 23:30	NERR Technician removed erroneous data (probes out of water)
04/06/01 13:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
04/07/01 01:30 – 04/07/01 03:00	NERR Technician removed erroneous data (probes out of water)
04/07/01 13:30 – 04/07/01 15:00	NERR Technician removed erroneous data (probes out of water)
04/08/01 02:00 – 04/08/01 03:30	NERR Technician removed erroneous data (probes out of water)
04/08/01 14:00 – 04/08/01 15:30	NERR Technician removed erroneous data (probes out of water)
04/09/01 03:00 – 04/09/01 04:30	NERR Technician removed erroneous data (probes out of water)
04/09/01 14:30 – 04/09/01 16:00	NERR Technician removed erroneous data (probes out of water)
04/10/01 04:00 – 04/10/01 05:00	NERR Technician removed erroneous data (probes out of water)
04/10/01 15:30 – 04/10/01 16:30	NERR Technician removed erroneous data (probes out of water)
04/13/01 17:30 – 04/13/01 18:30	NERR Technician removed erroneous data (probes out of water)
04/18/01 10:30	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
04/20/01 12:00	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
04/21/01 12:00 – 04/21/01 13:00	NERR Technician removed erroneous data (probes out of water)
04/22/01 00:30 – 04/22/01 02:00	NERR Technician removed erroneous data (probes out of water)
04/22/01 12:30 – 04/22/01 14:00	NERR Technician removed erroneous data (probes out of water)
04/23/01 01:00 – 04/23/01 02:30	NERR Technician removed erroneous data (probes out of water)
04/23/01 13:00 – 04/23/01 14:30	NERR Technician removed erroneous data (probes out of water)

04/24/01 02:00 – 04/24/01 03:30	NERR Technician removed erroneous data (probes out of water)
04/24/01 13:30 – 04/24/01 16:00	NERR Technician removed erroneous data (probes out of water)
04/25/01 02:30 – 04/25/01 04:30	NERR Technician removed erroneous data (probes out of water)
04/25/01 14:30 – 04/25/01 15:30	NERR Technician removed erroneous data (probes out of water)
05/08/01 11:30 – 05/09/01 09:30	
05/16/01 12:00 – 05/16/01 15:00	Sonde deployed temporarily for a bathymetric study
05/22/01 13:00 – 05/24/01 08:30	
06/07/01 09:00	
06/20/01 17:30	Sonde malfunction (internal error)
06/21/01 08:30 – 06/22/01 10:30	
06/23/01 21:00	Sonde malfunction (internal error)
06/24/01 09:00	Sonde malfunction (internal error)
06/24/01 22:00 – 06/24/01 22:30	Sonde malfunction (internal error)
06/25/01 10:00	Sonde malfunction (internal error)
06/25/01 21:30	Sonde malfunction (internal error)
07/06/01 08:30	Sonde malfunction (internal error)
07/27/01 08:30 – 07/30/01 08:30	maintenance and site vandalism
08/07/01 10:00	
08/20/01 08:30 – 08/21/01 09:30	
09/18/01 14:30 – 09/18/01 16:30	NERR Technician removed erroneous data (probes out of water)
09/19/01 03:00 – 09/19/01 05:00	NERR Technician removed erroneous data (probes out of water)
09/19/01 15:30 – 09/19/01 17:30	NERR Technician removed erroneous data (probes out of water)
09/20/01 03:00 – 09/20/01 06:00	NERR Technician removed erroneous data (probes out of water)
09/20/01 16:00 – 09/20/01 18:00	NERR Technician removed erroneous data (probes out of water)
09/21/01 04:00 – 09/21/01 06:30	NERR Technician removed erroneous data (probes out of water)
09/21/01 17:00 – 09/21/01 18:30	NERR Technician removed erroneous data (probes out of water)
09/22/01 04:30 – 09/22/01 07:00	NERR Technician removed erroneous data (probes out of water)
09/22/01 18:00 – 09/22/01 19:00	NERR Technician removed erroneous data (probes out of water)
09/23/01 05:30 – 09/23/01 07:30	NERR Technician removed erroneous data (probes out of water)
09/23/01 19:00 – 09/23/01 19:30	NERR Technician removed erroneous data (probes out of water)
09/24/01 06:30 – 09/24/01 08:00	NERR Technician removed erroneous data (probes out of water)
09/24/01 20:00 – 09/24/01 21:30	NERR Technician removed erroneous data (probes out of water)
09/25/01 07:00 – 09/25/01 09:30	NERR Technician removed erroneous data (probes out of water)
09/25/01 21:00 – 09/25/01 22:00	NERR Technician removed erroneous data (probes out of water)
09/26/01 09:00	NERR Technician removed erroneous data (probes out of water)
09/26/01 10:00	NERR Technician removed erroneous data (probes out of water)
09/26/01 22:00 – 09/26/01 23:00	NERR Technician removed erroneous data (probes out of water)
09/27/01 09:30 – 09/27/01 11:00	NERR Technician removed erroneous data (probes out of water)
09/27/01 22:30 – 09/28/01 00:00	NERR Technician removed erroneous data (probes out of water)
09/28/01 10:30 – 09/28/01 12:00	NERR Technician removed erroneous data (probes out of water)
09/29/01 00:00 – 09/29/01 00:30	NERR Technician removed erroneous data (probes out of water)
09/30/01 13:30	NERR Technician removed erroneous data (probes out of water)
10/18/01 10:30 – 10/18/01 11:30	
10/18/01 15:30 – 10/18/01 16:30	NERR Technician removed erroneous data (probes out of water)
10/19/01 03:00 – 10/19/01 04:30	NERR Technician removed erroneous data (probes out of water)
10/19/01 16:30 – 10/19/01 17:30	NERR Technician removed erroneous data (probes out of water)
10/20/01 03:30 – 10/20/01 05:30	NERR Technician removed erroneous data (probes out of water)
10/20/01 16:30 – 10/20/01 18:00	NERR Technician removed erroneous data (probes out of water)
10/21/01 04:00 – 10/21/01 06:00	NERR Technician removed erroneous data (probes out of water)
10/21/01 17:30 – 10/21/01 18:30	NERR Technician removed erroneous data (probes out of water)
10/22/01 05:00 – 10/22/01 06:30	NERR Technician removed erroneous data (probes out of water)
10/22/01 18:30 – 10/22/01 19:00	NERR Technician removed erroneous data (probes out of water)
10/23/01 06:30 – 10/23/01 07:00	NERR Technician removed erroneous data (probes out of water)
10/23/01 19:30 – 10/23/01 20:00	NERR Technician removed erroneous data (probes out of water)
10/24/01 07:00 – 10/24/01 08:00	NERR Technician removed erroneous data (probes out of water)
10/24/01 20:30 – 10/24/01 21:30	NERR Technician removed erroneous data (probes out of water)

10/25/01 08:00 – 10/25/01 09:30	NERR Technician removed erroneous data (probes out of water)
10/25/01 21:00 – 10/25/01 22:30	NERR Technician removed erroneous data (probes out of water)
10/26/01 09:00 – 10/26/01 10:30	NERR Technician removed erroneous data (probes out of water)
10/26/01 21:30 – 10/27/01 00:00	NERR Technician removed erroneous data (probes out of water)
10/27/01 23:00 – 10/27/01 23:30	NERR Technician removed erroneous data (probes out of water)
10/30/01 00:30 – 10/30/01 01:00	NERR Technician removed erroneous data (probes out of water)
10/30/01 13:00 – 10/30/01 13:30	NERR Technician removed erroneous data (probes out of water)
10/31/01 01:00 – 10/31/01 01:30	NERR Technician removed erroneous data (probes out of water)
10/31/01 14:00	NERR Technician removed erroneous data (probes out of water)
11/01/01 01:30 – 11/01/01 02:00	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
11/01/01 14:00 – 11/01/01 15:30	NERR Technician removed erroneous data (probes out of water)
11/02/01 01:30 – 11/02/01 03:00	NERR Technician removed erroneous data (probes out of water)
11/02/01 09:30	
11/07/01 14:00 – 11/07/01 15:30	Sonde deployed temporarily for a different study
11/20/01 16:30	NERR Technician removed erroneous data (probes out of water)
11/28/01 07:00 – 11/28/01 08:00	Sonde deployed temporarily for a different study

Temperature

None other than missing data listed in “**All Variables**” above

Specific Conductivity

None other than missing data listed in “**All Variables**” above

Salinity

None other than missing data listed in “**All Variables**” above

Dissolved Oxygen % and mg/L

06/30/01 23:30	NERR Technician removed erroneous data (negative values)
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Depth

None other than missing data listed in “**All Variables**” above

pH

None other than missing data listed in “**All Variables**” above

Turbidity

10/05/01 02:30 – 10/05/01 03:00	NERR Technician removed erroneous data (two identical readings greater than 1000, followed by two negative readings)
10/05/01 03:30 – 10/05/01 04:00	2003 Data Manager removed erroneous data (two identical negative readings, preceded by two readings greater than 1000)
12/17/01 10:00	NERR Technician removed erroneous data (a turbidity spike occurred when a Hydrolab was deployed adjacent to the YSI sonde.)

2002

All Variables

01/28/02 01:30	NERR Technician removed erroneous data (probes out of water)
01/29/02 02:00 - 01/29/02 02:30	NERR Technician removed erroneous data (probes out of water)
01/30/02 03:00	2003 Data Manager removed erroneous data (readings indicate that probes were out of the water)
01/30/02 03:30	NERR Technician removed erroneous data (probes out of water)
05/24/02 12:00	maintenance
05/28/02 09:30	maintenance
07/10/02 14:00 – 07/10/02 14:30	NERR Technician removed erroneous data (probes out of water)
07/11/02 03:30	NERR Technician removed erroneous data (probes out of water)
07/11/02 15:00	NERR Technician removed erroneous data (probes out of water)

07/12/02 16:00	NERR Technician removed erroneous data (probes out of water)
07/13/02 16:30 – 07/13/02 17:00	NERR Technician removed erroneous data (probes out of water)
07/14/02 05:30 – 07/14/02 06:00	NERR Technician removed erroneous data (probes out of water)
07/14/02 17:00 – 07/14/02 18:30	NERR Technician removed erroneous data (probes out of water)
07/15/02 05:30 – 07/15/02 07:00	NERR Technician removed erroneous data (probes out of water)
07/15/02 18:30 – 07/15/02 19:00	NERR Technician removed erroneous data (probes out of water)
07/16/02 06:30 – 07/16/02 07:30	NERR Technician removed erroneous data (probes out of water)
07/17/02 07:30 – 07/17/02 08:30	NERR Technician removed erroneous data (probes out of water)
07/18/02 08:30	NERR Technician removed erroneous data (probes out of water)
07/19/02 09:00 – 07/19/02 10:30	NERR Technician removed erroneous data (probes out of water)
07/19/02 23:00 – 07/19/02 23:30	NERR Technician removed erroneous data (probes out of water)
07/20/02 10:00 – 07/20/02 11:30	NERR Technician removed erroneous data (probes out of water)
07/21/02 00:00 – 07/21/02 00:30	NERR Technician removed erroneous data (probes out of water)
07/21/02 11:30 – 07/21/02 12:30	NERR Technician removed erroneous data (probes out of water)
07/22/02 12:30	NERR Technician removed erroneous data (probes out of water)
07/23/02 13:00 – 07/23/02 14:00	NERR Technician removed erroneous data (probes out of water)
07/24/02 02:30 – 07/24/02 03:00	NERR Technician removed erroneous data (probes out of water)
07/24/02 13:30 – 07/24/02 15:00	NERR Technician removed erroneous data (probes out of water)
07/25/02 03:00 – 07/25/02 03:30	NERR Technician removed erroneous data (probes out of water)
07/25/02 14:30 – 07/25/02 15:30	NERR Technician removed erroneous data (probes out of water)
07/26/02 03:30 – 07/26/02 04:30	NERR Technician removed erroneous data (probes out of water)
07/27/02 04:30	NERR Technician removed erroneous data (probes out of water)
07/29/02 05:30	NERR Technician removed erroneous data (probes out of water)
08/15/02 13:00 – 08/16/02 13:30	maintenance
10/28/02 12:30 – 10/29/02 12:30	maintenance
12/19/02 09:30 – 12/20/02 10:00	maintenance

Temperature

None other than missing data listed in “**All Variables**” above

Specific Conductivity

06/11/02 18:00 – 06/17/02 13:00	NERR Technician removed erroneous data (conductivity probe was completely occluded by sea squirts upon retrieval, all affected parameters were removed)
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Salinity

06/11/02 18:00 – 06/17/02 13:00	NERR Technician removed erroneous data (conductivity probe was completely occluded by sea squirts upon retrieval, all affected parameters were removed)
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Dissolved Oxygen %

02/24/02 13:00 – 03/05/02 13:00	NERR Technician removed erroneous data (possible membrane puncture or bubble under membrane, readings fell quickly to extremely low values (-37.8%), deleted from most likely point of failure)
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Dissolved Oxygen mg/L

02/24/02 13:00 – 03/05/02 13:00	NERR Technician removed erroneous data (possible membrane puncture or bubble under membrane, readings fell quickly to extremely low values (-37.8%), deleted from most likely point of failure)
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06/11/02 18:00 – 06/17/02 13:00	2003 Data Manager removed erroneous data (conductivity probe was completely occluded by sea squirts upon retrieval, all affected parameters were removed)
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Depth

06/11/02 18:00 – 06/17/02 13:00	2003 Data Manager removed erroneous data (conductivity probe was completely occluded by sea squirts upon retrieval, all affected parameters were removed)
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pH

None other than missing data listed in “**All Variables**” above

Turbidity

12/20/02 10:30 – 12/31/02 23:30 Turbidity sensor out for repair