

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|

| <b>Gulf Jackson, July 2002</b> |       |       |  |  |       |        |       |  |
|--------------------------------|-------|-------|--|--|-------|--------|-------|--|
| 7/1/02 0:00                    | 83.00 | 28.94 |  |  | 1.371 | 29.03  | 20.95 |  |
| 7/1/02 0:30                    | 82.80 | 28.16 |  |  | 1.466 | 19.35  | 20.74 |  |
| 7/1/02 1:00                    | 82.70 | 28.11 |  |  | 1.622 | 19.98  | 22.34 |  |
| 7/1/02 1:30                    | 82.90 | 28.22 |  |  | 1.751 | 21.69  | 22.53 |  |
| 7/1/02 2:00                    | 82.90 | 28.38 |  |  | 1.934 | 22.54  | 22.63 |  |
| 7/1/02 2:30                    | 83.20 | 28.51 |  |  | 2.182 | 19.62  | 21.42 |  |
| 7/1/02 3:00                    | 83.40 | 28.74 |  |  | 2.577 | 28.01  | 20.72 |  |
| 7/1/02 3:30                    | 84.10 | 29.47 |  |  | 3.071 | 30.48  | 21.72 |  |
| 7/1/02 4:00                    | 83.90 | 29.05 |  |  | 3.235 | 29.39  | 22.41 |  |
| 7/1/02 4:30                    | 83.80 | 29.38 |  |  | 3.423 | 30.36  | 23.81 |  |
| 7/1/02 5:00                    | 84.10 | 30.10 |  |  | 3.849 | 29.16  | 21.50 |  |
| 7/1/02 5:30                    | 84.00 | 30.45 |  |  | 4.035 | 23.21  | 16.30 |  |
| 7/1/02 6:00                    | 83.80 | 30.06 |  |  | 4.087 | 14.56  | 14.79 |  |
| 7/1/02 6:30                    | 83.80 | 29.70 |  |  | 4.138 | 14.77  | 13.09 |  |
| 7/1/02 7:00                    | 83.70 | 29.70 |  |  | 4.138 | 14.75  | 13.09 |  |
| 7/1/02 7:30                    | 83.50 | 29.85 |  |  | 3.969 | 18.09  | 11.78 |  |
| 7/1/02 8:00                    | 83.40 | 30.76 |  |  | 3.890 | 28.46  | 14.08 |  |
| 7/1/02 8:30                    | 83.40 | 29.77 |  |  | 3.680 | 33.32  | 15.17 |  |
| 7/1/02 9:00                    | 83.00 | 29.37 |  |  | 3.513 | 28.44  | 18.37 |  |
| 7/1/02 9:30                    | 82.80 | 29.80 |  |  | 3.204 | 22.91  | 19.46 |  |
| 7/1/02 10:00                   | 82.90 | 29.48 |  |  | 3.021 | 31.89  | 20.56 |  |
| 7/1/02 10:30                   | 83.00 | 29.87 |  |  | 2.866 | 27.66  | 21.05 |  |
| 7/1/02 11:00                   | 82.80 | 29.70 |  |  | 2.622 | 23.42  | 20.55 |  |
| 7/1/02 11:30                   | 82.70 | 29.06 |  |  | 2.522 | 36.10  | 20.75 |  |
| 7/1/02 12:00                   | 83.10 | 28.82 |  |  | 2.397 | 18.62  | 18.94 |  |
| 7/1/02 12:30                   | 83.50 | 28.84 |  |  | 2.326 | 22.30  | 18.04 |  |
| 7/1/02 13:00                   | 83.30 | 28.93 |  |  | 2.410 | 38.15  | 27.03 |  |
| 7/1/02 13:30                   | 85.70 | 29.43 |  |  | 2.519 | 15.00  | 16.83 |  |
| 7/1/02 14:00                   | 86.90 | 29.43 |  |  | 2.663 | 21.72  | 19.32 |  |
| 7/1/02 14:30                   | 85.70 | 29.77 |  |  | 2.797 | 24.43  | 23.92 |  |
| 7/1/02 15:00                   | 86.60 | 29.43 |  |  | 3.027 | 27.14  | 21.81 |  |
| 7/1/02 15:30                   | 86.00 | 29.62 |  |  | 3.286 | 45.09  | 26.01 |  |
| 7/1/02 16:00                   | 86.40 | 29.39 |  |  | 3.528 | 42.26  | 23.41 |  |
| 7/1/02 16:30                   | 86.50 | 30.03 |  |  | 3.679 | 19.38  | 20.00 |  |
| 7/1/02 17:00                   | 86.60 | 30.15 |  |  | 3.913 | 28.63  | 18.60 |  |
| 7/1/02 17:30                   | 87.10 | 30.86 |  |  | 3.975 | 19.79  | 14.59 |  |
| 7/1/02 18:00                   | 87.20 | 32.11 |  |  | 4.048 | 24.14  | 14.99 |  |
| 7/1/02 18:30                   | 87.10 | 31.16 |  |  | 4.041 | 493.09 | 13.18 |  |
| 7/1/02 19:00                   | 86.80 | 30.65 |  |  | 4.031 | 21.07  | 12.98 |  |
| 7/1/02 19:30                   | 86.40 | 30.46 |  |  | 3.869 | 28.48  | 13.67 |  |
| 7/1/02 20:00                   | 86.00 | 31.09 |  |  | 3.589 | 41.36  | 16.87 |  |
| 7/1/02 20:30                   | 85.90 | 30.66 |  |  | 3.408 | 35.02  | 18.27 |  |
| 7/1/02 21:00                   | 85.80 | 30.31 |  |  | 3.235 | 38.94  | 17.96 |  |
| 7/1/02 21:30                   | 86.10 | 30.21 |  |  | 2.887 | 35.77  | 19.36 |  |
| 7/1/02 22:00                   | 86.10 | 30.30 |  |  | 2.677 | 37.73  | 20.75 |  |
| 7/1/02 22:30                   | 86.00 | 29.37 |  |  | 2.387 | 29.08  | 18.45 |  |
| 7/1/02 23:00                   | 86.20 | 29.98 |  |  | 2.092 | 25.68  | 16.64 |  |
| 7/1/02 23:30                   | 85.90 | 29.70 |  |  | 1.883 | 23.04  | 15.64 |  |
| 7/2/02 0:00                    | 85.60 | 29.63 |  |  | 1.628 | 17.88  | 14.84 |  |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/2/02 0:30                        | 85.40              | 29.70             |                            |                               | 1.491         | 23.35              | 13.93                   |       |
| 7/2/02 1:00                        | 85.30              | 30.31             |                            |                               | 1.405         | 21.25              | 12.73                   |       |
| 7/2/02 1:30                        | 85.00              | 29.03             |                            |                               | 1.567         | 20.69              | 16.12                   |       |
| 7/2/02 2:00                        | 85.10              | 29.70             |                            |                               | 1.808         | 23.54              | 16.82                   |       |
| 7/2/02 2:30                        | 84.90              | 29.52             |                            |                               | 2.129         | 21.11              | 16.61                   |       |
| 7/2/02 3:00                        | 85.00              | 28.90             |                            |                               | 2.326         | 18.68              | 15.81                   |       |
| 7/2/02 3:30                        | 84.50              | 30.25             |                            |                               | 2.558         | 23.39              | 15.80                   |       |
| 7/2/02 4:00                        | 84.30              | 29.81             |                            |                               | 2.822         | 20.20              | 14.90                   |       |
| 7/2/02 4:30                        | 84.40              | 29.86             |                            |                               | 3.103         | 17.54              | 14.80                   |       |
| 7/2/02 5:00                        | 84.30              | 29.15             |                            |                               | 3.340         | 14.23              | 14.19                   |       |
| 7/2/02 5:30                        | 84.50              | 30.17             |                            |                               | 3.652         | 18.51              | 13.99                   |       |
| 7/2/02 6:00                        | 84.30              | 29.70             |                            |                               | 3.697         | 14.53              | 11.68                   |       |
| 7/2/02 6:30                        | 84.20              | 30.31             |                            |                               | 3.872         | 20.47              | 11.68                   |       |
| 7/2/02 7:00                        | 84.20              | 30.38             |                            |                               | 3.888         | 12.19              | 9.47                    |       |
| 7/2/02 7:30                        | 84.10              | 29.70             |                            |                               | 3.846         | 15.81              | 9.77                    |       |
| 7/2/02 8:00                        | 84.00              | 29.59             |                            |                               | 3.879         | 17.67              | 10.26                   |       |
| 7/2/02 8:30                        | 83.90              | 29.92             |                            |                               | 3.666         | 29.24              | 11.96                   |       |
| 7/2/02 9:00                        | 84.00              | 29.91             |                            |                               | 3.644         | 23.83              | 11.86                   |       |
| 7/2/02 9:30                        | 84.10              | 29.89             |                            |                               | 3.493         | 22.27              | 13.45                   |       |
| 7/2/02 10:00                       | 84.10              | 29.73             |                            |                               | 3.256         | 22.48              | 15.25                   |       |
| 7/2/02 10:30                       | 84.10              | 29.14             |                            |                               | 3.010         | 25.34              | 15.84                   |       |
| 7/2/02 11:00                       | 84.20              | 29.81             |                            |                               | 2.721         | 18.26              | 15.34                   |       |
| 7/2/02 11:30                       | 84.50              | 29.23             |                            |                               | 2.503         | 22.78              | 17.53                   |       |
| 7/2/02 12:00                       | 84.60              | 28.94             |                            |                               | 2.295         | 28.97              | 19.83                   |       |
| 7/2/02 12:30                       | 84.90              | 28.92             |                            |                               | 2.157         | 23.31              | 18.63                   |       |
| 7/2/02 13:00                       | 85.40              | 30.27             |                            |                               | 2.067         | 24.85              | 18.82                   |       |
| 7/2/02 13:30                       | 86.00              | 29.61             |                            |                               | 2.021         | 26.39              | 18.62                   |       |
| 7/2/02 14:00                       | 85.70              | 30.03             |                            |                               | 2.063         | 23.95              | 20.51                   |       |
| 7/2/02 14:30                       | 86.50              | 29.45             |                            |                               | 2.225         | 21.16              | 20.41                   |       |
| 7/2/02 15:00                       | 86.80              | 29.46             |                            |                               | 2.360         | 37.34              | 22.60                   |       |
| 7/2/02 15:30                       | 86.50              | 29.64             |                            |                               | 2.572         | 37.56              | 24.70                   |       |
| 7/2/02 16:00                       | 87.30              | 29.27             |                            |                               | 2.753         | 32.01              | 20.69                   |       |
| 7/2/02 16:30                       | 87.10              | 29.69             |                            |                               | 2.938         | 39.44              | 22.39                   |       |
| 7/2/02 17:00                       | 87.50              | 28.98             |                            |                               | 3.123         | 36.99              | 20.49                   |       |
| 7/2/02 17:30                       | 87.50              | 29.46             |                            |                               | 3.354         | 46.98              | 20.48                   |       |
| 7/2/02 18:00                       | 87.40              | 30.99             |                            |                               | 3.477         | 39.42              | 18.48                   |       |
| 7/2/02 18:30                       | 87.40              | 30.80             |                            |                               | 3.668         | 29.41              | 16.27                   |       |
| 7/2/02 19:00                       | 87.00              | 31.19             |                            |                               | 3.746         | 40.42              | 18.37                   |       |
| 7/2/02 19:30                       | 86.80              | 30.54             |                            |                               | 3.780         | 35.74              | 15.76                   |       |
| 7/2/02 20:00                       | 86.80              | 30.85             |                            |                               | 3.714         | 28.39              | 13.86                   |       |
| 7/2/02 20:30                       | 87.00              | 30.83             |                            |                               | 3.652         | 41.07              | 15.25                   |       |
| 7/2/02 21:00                       | 87.00              | 30.76             |                            |                               | 3.526         | 46.97              | 16.85                   |       |
| 7/2/02 21:30                       | 87.00              | 30.86             |                            |                               | 3.526         | 46.97              | 16.85                   |       |
| 7/2/02 22:00                       | 87.00              | 30.98             |                            |                               | 3.183         | 39.17              | 16.14                   |       |
| 7/2/02 22:30                       | 86.90              | 30.77             |                            |                               | 2.991         | 36.15              | 16.04                   |       |
| 7/2/02 23:00                       | 86.80              | 30.80             |                            |                               | 2.727         | 35.03              | 18.93                   |       |
| 7/2/02 23:30                       | 86.90              | 30.57             |                            |                               | 2.516         | 28.55              | 14.93                   |       |
| 7/3/02 0:00                        | 87.10              | 30.36             |                            |                               | 2.263         | 24.97              | 15.42                   |       |
| 7/3/02 0:30                        | 87.10              | 30.23             |                            |                               | 2.086         | 27.97              | 16.52                   |       |
| 7/3/02 1:00                        | 86.80              | 30.24             |                            |                               | 1.963         | 31.65              | 16.71                   |       |
| 7/3/02 1:30                        | 86.60              | 29.98             |                            |                               | 1.890         | 20.02              | 14.11                   |       |
| 7/3/02 2:00                        | 86.50              | 29.76             |                            |                               | 1.878         | 19.45              | 12.31                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/3/02 2:30                        | 86.60              | 29.67             |                            |                               | 2.011         | 21.67              | 13.90                   |       |
| 7/3/02 3:00                        | 85.80              | 30.58             |                            |                               | 2.119         | 23.45              | 13.30                   |       |
| 7/3/02 3:30                        | 85.70              | 30.28             |                            |                               | 2.310         | 18.52              | 13.69                   |       |
| 7/3/02 4:00                        | 85.60              | 28.73             |                            |                               | 2.539         | 27.69              | 13.19                   |       |
| 7/3/02 4:30                        | 85.50              | 29.19             |                            |                               | 2.784         | 24.88              | 13.28                   |       |
| 7/3/02 5:00                        | 85.30              | 30.07             |                            |                               | 3.082         | 26.89              | 14.38                   |       |
| 7/3/02 5:30                        | 85.30              | 29.04             |                            |                               | 3.289         | 36.86              | 15.38                   |       |
| 7/3/02 6:00                        | 85.40              | 29.49             |                            |                               | 3.558         | 34.95              | 15.07                   |       |
| 7/3/02 6:30                        | 85.50              | 29.21             |                            |                               | 3.714         | 52.78              | 14.87                   |       |
| 7/3/02 7:00                        | 85.50              | 30.73             |                            |                               | 3.846         | 31.45              | 10.26                   |       |
| 7/3/02 7:30                        | 85.60              | 30.42             |                            |                               | 4.033         | 35.04              | 11.46                   |       |
| 7/3/02 8:00                        | 85.60              | 29.86             |                            |                               | 4.099         | 13.80              | 7.45                    |       |
| 7/3/02 8:30                        | 85.60              | 29.86             |                            |                               | 4.099         | 13.78              | 7.45                    |       |
| 7/3/02 9:00                        | 85.50              | 31.24             |                            |                               | 4.027         | 28.95              | 8.44                    |       |
| 7/3/02 9:30                        | 85.60              | 31.19             |                            |                               | 3.885         | 41.65              | 10.34                   |       |
| 7/3/02 10:00                       | 85.50              | 30.67             |                            |                               | 3.713         | 41.20              | 12.54                   |       |
| 7/3/02 10:30                       | 85.50              | 31.14             |                            |                               | 3.539         | 45.70              | 15.73                   |       |
| 7/3/02 11:00                       | 85.60              | 30.96             |                            |                               | 3.280         | 43.00              | 18.33                   |       |
| 7/3/02 11:30                       | 86.00              | 31.13             |                            |                               | 3.029         | 34.32              | 16.62                   |       |
| 7/3/02 12:00                       | 86.40              | 30.78             |                            |                               | 2.795         | 28.11              | 15.02                   |       |
| 7/3/02 12:30                       | 86.40              | 30.60             |                            |                               | 2.580         | 31.94              | 17.31                   |       |
| 7/3/02 13:00                       | 86.90              | 30.63             |                            |                               | 2.373         | 34.19              | 17.41                   |       |
| 7/3/02 13:30                       | 87.50              | 29.92             |                            |                               | 2.197         | 37.79              | 17.90                   |       |
| 7/3/02 14:00                       | 88.10              | 30.61             |                            |                               | 1.999         | 45.46              | 18.50                   |       |
| 7/3/02 14:30                       | 88.30              | 30.69             |                            |                               | 1.893         | 55.74              | 20.70                   |       |
| 7/3/02 15:00                       | 88.40              | 30.40             |                            |                               | 1.859         | 47.94              | 23.29                   |       |
| 7/3/02 15:30                       | 88.60              | 30.36             |                            |                               | 1.839         | 41.39              | 22.19                   |       |
| 7/3/02 16:00                       | 88.70              | 30.20             |                            |                               | 1.878         | 41.61              | 26.78                   |       |
| 7/3/02 16:30                       | 88.10              | 30.58             |                            |                               | 1.995         | 63.78              | 31.38                   |       |
| 7/3/02 17:00                       | 88.10              | 30.86             |                            |                               | 2.181         | 41.49              | 27.97                   |       |
| 7/3/02 17:30                       | 88.20              | 30.51             |                            |                               | 2.443         | 44.54              | 28.87                   |       |
| 7/3/02 18:00                       | 88.20              | 30.89             |                            |                               | 2.676         | 53.94              | 27.77                   |       |
| 7/3/02 18:30                       | 87.90              | 31.14             |                            |                               | 2.974         | 54.40              | 28.26                   |       |
| 7/3/02 19:00                       | 88.00              | 30.33             |                            |                               | 3.201         | 51.56              | 24.56                   |       |
| 7/3/02 19:30                       | 87.90              | 30.49             |                            |                               | 3.471         | 54.85              | 23.75                   |       |
| 7/3/02 20:00                       | 87.80              | 30.62             |                            |                               | 3.648         | 54.97              | 23.05                   |       |
| 7/3/02 20:30                       | 87.20              | 29.54             |                            |                               | 3.971         | 45.55              | 21.94                   |       |
| 7/3/02 21:00                       | 87.10              | 27.85             |                            |                               | 3.798         | 52.13              | 21.64                   |       |
| 7/3/02 21:30                       | 86.80              | 29.28             |                            |                               | 3.162         | 34.76              | 19.53                   |       |
| 7/3/02 22:00                       | 86.60              | 28.77             |                            |                               | 2.805         | 874.61             | 19.93                   |       |
| 7/3/02 22:30                       | 86.20              | 28.47             |                            |                               | 2.740         | 31.46              | 18.43                   |       |
| 7/3/02 23:00                       | 86.00              | 29.22             |                            |                               | 2.795         | 29.74              | 15.12                   |       |
| 7/3/02 23:30                       | 85.80              | 29.20             |                            |                               | 2.850         | 27.92              | 18.62                   |       |
| 7/4/02 0:00                        | 85.80              | 29.57             |                            |                               | 2.844         | 24.04              | 17.41                   |       |
| 7/4/02 0:30                        | 85.60              | 30.18             |                            |                               | 2.731         | 16.40              | 14.41                   |       |
| 7/4/02 1:00                        | 85.50              | 28.93             |                            |                               | 2.536         | 18.10              | 16.10                   |       |
| 7/4/02 1:30                        | 85.40              | 28.76             |                            |                               | 2.292         | 25.15              | 17.00                   |       |
| 7/4/02 2:00                        | 84.90              | 28.00             |                            |                               | 2.121         | 16.37              | 17.59                   |       |
| 7/4/02 2:30                        | 84.80              | 29.31             |                            |                               | 1.897         | 22.51              | 17.79                   |       |
| 7/4/02 3:00                        | 84.60              | 29.89             |                            |                               | 1.849         | 21.58              | 17.99                   |       |
| 7/4/02 3:30                        | 84.50              | 30.09             |                            |                               | 1.963         | 21.80              | 19.88                   |       |
| 7/4/02 4:00                        | 84.50              | 30.39             |                            |                               | 2.224         | 17.00              | 18.08                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/4/02 4:30                        | 84.60              | 29.32             |                            |                               | 2.510         | 14.93              | 18.77                   |       |
| 7/4/02 5:00                        | 84.80              | 30.37             |                            |                               | 2.795         | 23.94              | 18.17                   |       |
| 7/4/02 5:30                        | 85.20              | 30.01             |                            |                               | 3.130         | 25.87              | 19.86                   |       |
| 7/4/02 6:00                        | 85.20              | 30.15             |                            |                               | 3.433         | 32.38              | 19.76                   |       |
| 7/4/02 6:30                        | 85.30              | 29.96             |                            |                               | 3.681         | 35.00              | 19.56                   |       |
| 7/4/02 7:00                        | 85.10              | 30.18             |                            |                               | 3.904         | 31.45              | 19.05                   |       |
| 7/4/02 7:30                        | 85.10              | 30.06             |                            |                               | 4.088         | 38.65              | 16.55                   |       |
| 7/4/02 8:00                        | 85.10              | 30.26             |                            |                               | 4.296         | 20.44              | 13.74                   |       |
| 7/4/02 8:30                        | 85.20              | 30.29             |                            |                               | 4.367         | 27.53              | 13.24                   |       |
| 7/4/02 9:00                        | 85.30              | 30.16             |                            |                               | 4.396         | 14.81              | 13.73                   |       |
| 7/4/02 9:30                        | 85.40              | 30.04             |                            |                               | 4.335         | 23.28              | 12.83                   |       |
| 7/4/02 10:00                       | 85.50              | 30.20             |                            |                               | 4.261         | 24.30              | 13.72                   |       |
| 7/4/02 10:30                       | 85.40              | 29.94             |                            |                               | 4.149         | 32.31              | 16.12                   |       |
| 7/4/02 11:00                       | 85.50              | 29.94             |                            |                               | 4.149         | 32.31              | 16.12                   |       |
| 7/4/02 11:30                       | 85.50              | 29.46             |                            |                               | 3.656         | 38.04              | 19.61                   |       |
| 7/4/02 12:00                       | 85.60              | 29.27             |                            |                               | 3.472         | 37.81              | 21.01                   |       |
| 7/4/02 12:30                       | 85.70              | 29.28             |                            |                               | 3.190         | 55.37              | 24.60                   |       |
| 7/4/02 13:00                       | 85.90              | 29.60             |                            |                               | 2.841         | 36.99              | 22.30                   |       |
| 7/4/02 13:30                       | 85.80              | 29.58             |                            |                               | 2.578         | 45.95              | 24.39                   |       |
| 7/4/02 14:00                       | 85.50              | 29.51             |                            |                               | 2.295         | 46.64              | 50.89                   |       |
| 7/4/02 14:30                       | 86.10              | 29.55             |                            |                               | 2.295         | 46.64              | 50.88                   |       |
| 7/4/02 15:00                       | 86.90              | 29.49             |                            |                               | 1.774         | 32.25              | 27.08                   |       |
| 7/4/02 15:30                       | 86.60              | 29.68             |                            |                               | 1.858         | 33.05              | 23.98                   |       |
| 7/4/02 16:00                       | 86.40              | 29.46             |                            |                               | 1.791         | 31.43              | 27.17                   |       |
| 7/4/02 16:30                       | 86.50              | 29.41             |                            |                               | 1.525         | 34.42              | 21.97                   |       |
| 7/4/02 17:00                       | 86.60              | 29.43             |                            |                               | 1.666         | 28.77              | 26.66                   |       |
| 7/4/02 17:30                       | 86.70              | 29.46             |                            |                               | 1.837         | 31.07              | 29.26                   |       |
| 7/4/02 18:00                       | 86.60              | 29.55             |                            |                               | 2.148         | 36.36              | 32.75                   |       |
| 7/4/02 18:30                       | 86.70              | 29.53             |                            |                               | 2.332         | 24.82              | 31.75                   |       |
| 7/4/02 19:00                       | 86.70              | 29.46             |                            |                               | 2.561         | 32.78              | 30.34                   |       |
| 7/4/02 19:30                       | 86.70              | 29.59             |                            |                               | 2.849         | 41.20              | 30.34                   |       |
| 7/4/02 20:00                       | 86.70              | 29.77             |                            |                               | 3.101         | 34.03              | 29.24                   |       |
| 7/4/02 20:30                       | 86.80              | 29.17             |                            |                               | 3.195         | 33.57              | 28.53                   |       |
| 7/4/02 21:00                       | 86.70              | 29.30             |                            |                               | 3.319         | 22.58              | 27.83                   |       |
| 7/4/02 21:30                       | 86.70              | 29.34             |                            |                               | 3.319         | 22.57              | 27.82                   |       |
| 7/4/02 22:00                       | 86.70              | 29.13             |                            |                               | 3.479         | 17.70              | 21.92                   |       |
| 7/4/02 22:30                       | 86.60              | 29.30             |                            |                               | 3.353         | 25.32              | 21.41                   |       |
| 7/4/02 23:00                       | 86.30              | 29.29             |                            |                               | 3.251         | 42.45              | 21.21                   |       |
| 7/4/02 23:30                       | 86.10              | 29.36             |                            |                               | 3.346         | 21.25              | 20.81                   |       |
| 7/5/02 0:00                        | 86.00              | 29.43             |                            |                               | 3.234         | 18.92              | 17.20                   |       |
| 7/5/02 0:30                        | 85.70              | 29.27             |                            |                               | 3.111         | 22.97              | 21.10                   |       |
| 7/5/02 1:00                        | 85.40              | 29.01             |                            |                               | 2.885         | 28.99              | 23.29                   |       |
| 7/5/02 1:30                        | 85.10              | 29.22             |                            |                               | 2.787         | 20.05              | 22.09                   |       |
| 7/5/02 2:00                        | 85.00              | 29.44             |                            |                               | 2.503         | 21.31              | 22.08                   |       |
| 7/5/02 2:30                        | 84.70              | 28.58             |                            |                               | 2.311         | 31.28              | 22.48                   |       |
| 7/5/02 3:00                        | 84.60              | 28.57             |                            |                               | 2.246         | 20.59              | 23.77                   |       |
| 7/5/02 3:30                        | 84.60              | 28.74             |                            |                               | 2.358         | 18.26              | 19.77                   |       |
| 7/5/02 4:00                        | 84.60              | 28.71             |                            |                               | 2.350         | 19.64              | 18.57                   |       |
| 7/5/02 4:30                        | 84.50              | 28.59             |                            |                               | 2.439         | 18.24              | 19.26                   |       |
| 7/5/02 5:00                        | 84.60              | 28.99             |                            |                               | 2.602         | 19.85              | 19.46                   |       |
| 7/5/02 5:30                        | 84.60              | 29.19             |                            |                               | 2.808         | 23.45              | 18.15                   |       |
| 7/5/02 6:00                        | 84.80              | 29.74             |                            |                               | 3.038         | 35.31              | 20.85                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/5/02 6:30                        | 84.70              | 29.82             |                            |                               | 3.323         | 36.47              | 21.74                   |       |
| 7/5/02 7:00                        | 84.80              | 30.10             |                            |                               | 3.605         | 33.20              | 18.44                   |       |
| 7/5/02 7:30                        | 84.90              | 30.11             |                            |                               | 3.813         | 66.98              | 22.13                   |       |
| 7/5/02 8:00                        | 85.00              | 30.35             |                            |                               | 4.132         | 46.01              | 16.33                   |       |
| 7/5/02 8:30                        | 85.20              | 30.38             |                            |                               | 4.338         | 54.52              | 15.93                   |       |
| 7/5/02 9:00                        | 85.20              | 30.35             |                            |                               | 4.413         | 34.22              | 14.42                   |       |
| 7/5/02 9:30                        | 85.10              | 30.43             |                            |                               | 4.462         | 40.40              | 15.32                   |       |
| 7/5/02 10:00                       | 84.90              | 30.63             |                            |                               | 4.355         | 48.34              | 16.91                   |       |
| 7/5/02 10:30                       | 84.50              | 30.31             |                            |                               | 4.176         | 36.19              | 18.11                   |       |
| 7/5/02 11:00                       | 84.30              | 29.75             |                            |                               | 4.042         | 46.58              | 21.50                   |       |
| 7/5/02 11:30                       | 84.10              | 29.62             |                            |                               | 3.779         | 50.09              | 22.00                   |       |
| 7/5/02 12:00                       | 84.00              | 29.44             |                            |                               | 3.516         | 32.32              | 23.10                   |       |
| 7/5/02 12:30                       | 83.90              | 29.64             |                            |                               | 3.172         | 44.94              | 24.79                   |       |
| 7/5/02 13:00                       | 83.90              | 28.64             |                            |                               | 2.907         | 36.87              | 26.99                   |       |
| 7/5/02 13:30                       | 83.30              | 29.55             |                            |                               | 2.703         | 34.64              | 29.98                   |       |
| 7/5/02 14:00                       | 83.20              | 29.46             |                            |                               | 2.366         | 34.05              | 31.28                   |       |
| 7/5/02 14:30                       | 83.10              | 29.58             |                            |                               | 1.949         | 25.02              | 30.57                   |       |
| 7/5/02 15:00                       | 83.60              | 29.26             |                            |                               | 1.629         | 20.21              | 27.57                   |       |
| 7/5/02 15:30                       | 83.80              | 29.18             |                            |                               | 1.374         | 20.43              | 25.26                   |       |
| 7/5/02 16:00                       | 84.00              | 28.43             |                            |                               | 1.183         | 19.95              | 25.56                   |       |
| 7/5/02 16:30                       | 84.20              | 28.60             |                            |                               | 1.151         | 30.73              | 23.66                   |       |
| 7/5/02 17:00                       | 84.30              | 29.34             |                            |                               | 1.169         | 22.63              | 25.85                   |       |
| 7/5/02 17:30                       | 84.40              | 29.59             |                            |                               | 1.142         | 14.17              | 13.85                   |       |
| 7/5/02 18:00                       | 84.10              | 28.93             |                            |                               | 1.307         | 25.19              | 35.44                   |       |
| 7/5/02 18:30                       | 84.20              | 29.17             |                            |                               | 1.558         | 21.19              | 33.14                   |       |
| 7/5/02 19:00                       | 84.20              | 29.17             |                            |                               | 1.828         | 22.12              | 32.83                   |       |
| 7/5/02 19:30                       | 84.20              | 28.17             |                            |                               | 2.049         | 24.46              | 33.23                   |       |
| 7/5/02 20:00                       | 84.20              | 29.09             |                            |                               | 2.323         | 23.86              | 29.82                   |       |
| 7/5/02 20:30                       | 84.20              | 28.82             |                            |                               | 2.635         | 21.97              | 29.02                   |       |
| 7/5/02 21:00                       | 84.20              | 29.29             |                            |                               | 2.965         | 19.37              | 26.22                   |       |
| 7/5/02 21:30                       | 84.40              | 29.60             |                            |                               | 3.258         | 20.77              | 22.61                   |       |
| 7/5/02 22:00                       | 84.30              | 29.66             |                            |                               | 3.474         | 29.24              | 23.51                   |       |
| 7/5/02 22:30                       | 84.20              | 29.69             |                            |                               | 3.579         | 17.80              | 21.20                   |       |
| 7/5/02 23:00                       | 84.30              | 29.58             |                            |                               | 3.771         | 31.35              | 20.80                   |       |
| 7/5/02 23:30                       | 84.20              | 29.54             |                            |                               | 3.741         | 23.44              | 20.19                   |       |
| 7/6/02 0:00                        | 84.10              | 29.58             |                            |                               | 3.640         | 23.31              | 18.29                   |       |
| 7/6/02 0:30                        | 83.80              | 29.68             |                            |                               | 3.543         | 26.49              | 17.69                   |       |
| 7/6/02 1:00                        | 83.70              | 29.45             |                            |                               | 3.391         | 24.12              | 18.98                   |       |
| 7/6/02 1:30                        | 83.70              | 29.78             |                            |                               | 3.238         | 17.38              | 17.78                   |       |
| 7/6/02 2:00                        | 83.60              | 29.66             |                            |                               | 3.011         | 18.07              | 17.27                   |       |
| 7/6/02 2:30                        | 83.40              | 29.34             |                            |                               | 2.849         | 17.59              | 18.77                   |       |
| 7/6/02 3:00                        | 83.10              | 29.14             |                            |                               | 2.728         | 33.18              | 19.76                   |       |
| 7/6/02 3:30                        | 82.90              | 28.84             |                            |                               | 2.587         | 25.13              | 21.26                   |       |
| 7/6/02 4:00                        | 82.60              | 29.05             |                            |                               | 2.511         | 19.21              | 22.55                   |       |
| 7/6/02 4:30                        | 82.50              | 28.84             |                            |                               | 2.500         | 25.83              | 21.65                   |       |
| 7/6/02 5:00                        | 82.40              | 28.83             |                            |                               | 2.444         | 21.91              | 22.35                   |       |
| 7/6/02 5:30                        | 82.40              | 28.88             |                            |                               | 2.493         | 292.64             | 20.94                   |       |
| 7/6/02 6:00                        | 82.50              | 28.88             |                            |                               | 2.655         | 28.52              | 23.84                   |       |
| 7/6/02 6:30                        | 82.70              | 29.19             |                            |                               | 2.892         | 21.05              | 20.83                   |       |
| 7/6/02 7:00                        | 82.60              | 29.48             |                            |                               | 3.045         | 23.53              | 19.43                   |       |
| 7/6/02 7:30                        | 82.50              | 29.40             |                            |                               | 3.316         | 21.26              | 16.02                   |       |
| 7/6/02 8:00                        | 83.00              | 29.83             |                            |                               | 3.595         | 28.73              | 15.52                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/6/02 8:30                        | 83.10              | 29.44             |                            |                               | 3.870         | 36.32              | 17.21                   |       |
| 7/6/02 9:00                        | 83.70              | 29.60             |                            |                               | 4.075         | 40.35              | 17.41                   |       |
| 7/6/02 9:30                        | 83.80              | 29.85             |                            |                               | 4.215         | 38.68              | 17.31                   |       |
| 7/6/02 10:00                       | 84.20              | 29.65             |                            |                               | 4.300         | 31.79              | 15.90                   |       |
| 7/6/02 10:30                       | 84.60              | 30.02             |                            |                               | 4.414         | 26.43              | 14.70                   |       |
| 7/6/02 11:00                       | 84.70              | 30.24             |                            |                               | 4.425         | 15.60              | 13.19                   |       |
| 7/6/02 11:30                       | 84.80              | 30.07             |                            |                               | 4.307         | 19.51              | 13.59                   |       |
| 7/6/02 12:00                       | 84.50              | 29.61             |                            |                               | 4.094         | 25.93              | 16.08                   |       |
| 7/6/02 12:30                       | 84.40              | 29.60             |                            |                               | 3.873         | 30.80              | 18.68                   |       |
| 7/6/02 13:00                       | 84.60              | 29.15             |                            |                               | 3.576         | 27.22              | 20.27                   |       |
| 7/6/02 13:30                       | 84.60              | 28.99             |                            |                               | 3.307         | 21.61              | 19.67                   |       |
| 7/6/02 14:00                       | 85.40              | 28.95             |                            |                               | 3.008         | 22.56              | 20.67                   |       |
| 7/6/02 14:30                       | 86.10              | 28.92             |                            |                               | 2.599         | 22.78              | 18.46                   |       |
| 7/6/02 15:00                       | 86.50              | 29.06             |                            |                               | 2.206         | 23.01              | 20.46                   |       |
| 7/6/02 15:30                       | 86.90              | 28.64             |                            |                               | 1.857         | 26.70              | 21.35                   |       |
| 7/6/02 16:00                       | 87.60              | 28.95             |                            |                               | 1.535         | 28.01              | 19.15                   |       |
| 7/6/02 16:30                       | 87.80              | 28.44             |                            |                               | 1.273         | 32.42              | 19.04                   |       |
| 7/6/02 17:00                       | 88.10              | 28.97             |                            |                               | 1.027         | 30.02              | 19.14                   |       |
| 7/6/02 17:30                       | 89.00              | 28.51             |                            |                               | 0.821         | 34.08              | 19.94                   |       |
| 7/6/02 18:00                       | 88.90              | 28.62             |                            |                               | 0.817         | 32.16              | 20.73                   |       |
| 7/6/02 18:30                       | 88.80              | 28.40             |                            |                               | 0.997         | 39.80              | 26.53                   |       |
| 7/6/02 19:00                       | 87.90              | 28.54             |                            |                               | 1.224         | 43.75              | 28.32                   |       |
| 7/6/02 19:30                       | 87.80              | 28.63             |                            |                               | 1.453         | 36.21              | 28.42                   |       |
| 7/6/02 20:00                       | 87.30              | 28.51             |                            |                               | 1.787         | 48.17              | 27.51                   |       |
| 7/6/02 20:30                       | 87.00              | 28.48             |                            |                               | 2.107         | 37.63              | 27.71                   |       |
| 7/6/02 21:00                       | 86.70              | 28.34             |                            |                               | 2.406         | 43.26              | 28.80                   |       |
| 7/6/02 21:30                       | 86.50              | 28.14             |                            |                               | 2.775         | 53.80              | 26.80                   |       |
| 7/6/02 22:00                       | 86.30              | 28.82             |                            |                               | 2.775         | 53.80              | 26.80                   |       |
| 7/6/02 22:30                       | 85.90              | 29.04             |                            |                               | 3.413         | 42.53              | 20.89                   |       |
| 7/6/02 23:00                       | 86.20              | 29.07             |                            |                               | 3.654         | 22.97              | 17.29                   |       |
| 7/6/02 23:30                       | 86.10              | 29.18             |                            |                               | 3.888         | 18.04              | 15.48                   |       |
| 7/7/02 0:00                        | 86.10              | 29.40             |                            |                               | 3.948         | 30.28              | 16.38                   |       |
| 7/7/02 0:30                        | 86.00              | 29.52             |                            |                               | 3.956         | 15.26              | 14.27                   |       |
| 7/7/02 1:00                        | 85.90              | 29.48             |                            |                               | 3.885         | 14.52              | 12.57                   |       |
| 7/7/02 1:30                        | 85.80              | 29.31             |                            |                               | 3.742         | 14.63              | 13.86                   |       |
| 7/7/02 2:00                        | 85.50              | 29.06             |                            |                               | 3.608         | 10.89              | 14.76                   |       |
| 7/7/02 2:30                        | 85.30              | 28.96             |                            |                               | 3.343         | 12.32              | 14.96                   |       |
| 7/7/02 3:00                        | 85.20              | 28.74             |                            |                               | 3.205         | 13.15              | 15.55                   |       |
| 7/7/02 3:30                        | 85.20              | 28.80             |                            |                               | 2.943         | 13.74              | 16.15                   |       |
| 7/7/02 4:00                        | 85.20              | 28.70             |                            |                               | 2.733         | 13.24              | 15.74                   |       |
| 7/7/02 4:30                        | 85.20              | 28.67             |                            |                               | 2.664         | 14.68              | 16.64                   |       |
| 7/7/02 5:00                        | 85.00              | 28.92             |                            |                               | 2.559         | 12.01              | 14.73                   |       |
| 7/7/02 5:30                        | 84.90              | 28.56             |                            |                               | 2.495         | 14.17              | 15.53                   |       |
| 7/7/02 6:00                        | 84.80              | 29.08             |                            |                               | 2.525         | 13.79              | 16.13                   |       |
| 7/7/02 6:30                        | 84.80              | 28.84             |                            |                               | 2.679         | 19.09              | 15.32                   |       |
| 7/7/02 7:00                        | 84.80              | 29.25             |                            |                               | 2.961         | 171.71             | 15.52                   |       |
| 7/7/02 7:30                        | 84.60              | 29.32             |                            |                               | 3.226         | 21.00              | 15.41                   |       |
| 7/7/02 8:00                        | 84.80              | 29.11             |                            |                               | 3.418         | 25.33              | 14.91                   |       |
| 7/7/02 8:30                        | 84.80              | 28.97             |                            |                               | 3.633         | 16.75              | 14.90                   |       |
| 7/7/02 9:00                        | 84.90              | 29.49             |                            |                               | 3.941         | 17.94              | 13.70                   |       |
| 7/7/02 9:30                        | 85.10              | 29.65             |                            |                               | 4.242         | 17.08              | 13.99                   |       |
| 7/7/02 10:00                       | 85.30              | 29.15             |                            |                               | 4.424         | 11.75              | 12.39                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/7/02 10:30                       | 85.50              | 29.53             |                            |                               | 4.629         | 14.04              | 13.49                   |       |
| 7/7/02 11:00                       | 85.50              | 30.12             |                            |                               | 4.733         | 21.41              | 10.98                   |       |
| 7/7/02 11:30                       | 85.50              | 29.94             |                            |                               | 4.713         | 15.10              | 10.28                   |       |
| 7/7/02 12:00                       | 85.60              | 30.14             |                            |                               | 4.650         | 10.85              | 10.17                   |       |
| 7/7/02 12:30                       | 86.50              | 29.40             |                            |                               | 4.423         | 4.66               | 8.17                    |       |
| 7/7/02 13:00                       | 86.40              | 29.84             |                            |                               | 4.208         | 8.88               | 9.76                    |       |
| 7/7/02 13:30                       | 86.60              | 29.40             |                            |                               | 3.923         | 10.20              | 11.26                   |       |
| 7/7/02 14:00                       | 87.30              | 29.32             |                            |                               | 3.551         | 12.00              | 12.55                   |       |
| 7/7/02 14:30                       | 87.70              | 28.84             |                            |                               | 3.179         | 697.56             | 14.85                   |       |
| 7/7/02 15:00                       | 87.80              | 28.62             |                            |                               | 2.768         | 13.07              | 18.75                   |       |
| 7/7/02 15:30                       | 88.50              | 28.46             |                            |                               | 2.322         | 15.61              | 15.14                   |       |
| 7/7/02 16:00                       | 89.10              | 28.22             |                            |                               | 1.894         | 21.06              | 17.34                   |       |
| 7/7/02 16:30                       | 89.60              | 27.97             |                            |                               | 1.504         | 22.26              | 15.73                   |       |
| 7/7/02 17:00                       | 89.80              | 28.52             |                            |                               | 1.109         | 32.22              | 19.73                   |       |
| 7/7/02 17:30                       | 90.10              | 28.34             |                            |                               | 0.840         | 29.05              | 20.32                   |       |
| 7/7/02 18:00                       | 90.40              | 28.14             |                            |                               | 0.596         | 38.41              | 17.82                   |       |
| 7/7/02 18:30                       | 91.00              | 28.14             |                            |                               | 0.596         | 38.40              | 17.81                   |       |
| 7/7/02 19:00                       | 91.10              | 29.10             |                            |                               | 0.591         | 32.56              | 22.11                   |       |
| 7/7/02 19:30                       | 90.80              | 28.11             |                            |                               | 0.840         | 43.75              | 26.01                   |       |
| 7/7/02 20:00                       | 90.10              | 28.81             |                            |                               | 1.142         | 46.07              | 27.00                   |       |
| 7/7/02 20:30                       | 89.60              | 28.87             |                            |                               | 1.591         | 54.47              | 28.00                   |       |
| 7/7/02 21:00                       | 89.40              | 28.39             |                            |                               | 1.875         | 44.11              | 25.09                   |       |
| 7/7/02 21:30                       | 89.10              | 28.99             |                            |                               | 2.212         | 34.23              | 24.89                   |       |
| 7/7/02 22:00                       | 88.40              | 29.16             |                            |                               | 2.615         | 28.13              | 25.78                   |       |
| 7/7/02 22:30                       | 88.20              | 28.79             |                            |                               | 2.852         | 27.27              | 35.38                   |       |
| 7/7/02 23:00                       | 88.00              | 29.63             |                            |                               | 3.239         | 41.54              | 23.48                   |       |
| 7/7/02 23:30                       | 87.60              | 28.96             |                            |                               | 3.458         | 33.97              | 22.17                   |       |
| 7/8/02 0:00                        | 87.40              | 29.46             |                            |                               | 3.572         | 15.15              | 21.27                   |       |
| 7/8/02 0:30                        | 87.20              | 28.95             |                            |                               | 3.825         | 24.91              | 18.86                   |       |
| 7/8/02 1:00                        | 87.00              | 29.10             |                            |                               | 3.879         | 25.76              | 18.16                   |       |
| 7/8/02 1:30                        | 86.90              | 29.32             |                            |                               | 3.901         | 10.10              | 14.05                   |       |
| 7/8/02 2:00                        | 86.70              | 29.35             |                            |                               | 3.842         | 8.74               | 13.75                   |       |
| 7/8/02 2:30                        | 86.60              | 29.40             |                            |                               | 3.671         | 11.54              | 11.94                   |       |
| 7/8/02 3:00                        | 86.40              | 28.93             |                            |                               | 3.527         | 14.10              | 15.54                   |       |
| 7/8/02 3:30                        | 86.30              | 29.27             |                            |                               | 3.344         | 12.61              | 15.54                   |       |
| 7/8/02 4:00                        | 85.80              | 29.00             |                            |                               | 3.016         | 17.74              | 17.23                   |       |
| 7/8/02 4:30                        | 85.60              | 28.74             |                            |                               | 2.781         | 26.07              | 18.43                   |       |
| 7/8/02 5:00                        | 85.40              | 28.73             |                            |                               | 2.637         | 72.15              | 15.32                   |       |
| 7/8/02 5:30                        | 85.20              | 28.82             |                            |                               | 2.463         | 19.43              | 15.82                   |       |
| 7/8/02 6:00                        | 84.70              | 28.99             |                            |                               | 2.398         | 14.39              | 17.11                   |       |
| 7/8/02 6:30                        | 84.60              | 28.98             |                            |                               | 2.529         | 15.11              | 16.11                   |       |
| 7/8/02 7:00                        | 84.60              | 29.39             |                            |                               | 2.602         | 27.86              | 17.30                   |       |
| 7/8/02 7:30                        | 84.90              | 29.40             |                            |                               | 2.812         | 21.96              | 14.20                   |       |
| 7/8/02 8:00                        | 84.80              | 29.50             |                            |                               | 3.027         | 16.18              | 16.00                   |       |
| 7/8/02 8:30                        | 84.80              | 29.10             |                            |                               | 3.234         | 27.23              | 15.99                   |       |
| 7/8/02 9:00                        | 84.90              | 29.23             |                            |                               | 3.502         | 21.56              | 15.29                   |       |
| 7/8/02 9:30                        | 85.10              | 29.09             |                            |                               | 3.932         | 26.84              | 16.08                   |       |
| 7/8/02 10:00                       | 85.20              | 29.01             |                            |                               | 4.222         | 22.65              | 13.58                   |       |
| 7/8/02 10:30                       | 85.60              | 29.88             |                            |                               | 4.534         | 17.23              | 9.57                    |       |
| 7/8/02 11:00                       | 85.80              | 29.66             |                            |                               | 4.735         | 18.44              | 11.17                   |       |
| 7/8/02 11:30                       | 85.80              | 30.74             |                            |                               | 4.883         | 5.26               | 8.77                    |       |
| 7/8/02 12:00                       | 85.90              | 29.48             |                            |                               | 4.867         | 7.70               | 7.16                    |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/8/02 12:30                       | 86.10              | 30.00             |                            |                               | 4.829         | 9.91               | 7.86                    |       |
| 7/8/02 13:00                       | 86.50              | 29.40             |                            |                               | 4.700         | 2.74               | 6.85                    |       |
| 7/8/02 13:30                       | 86.80              | 30.48             |                            |                               | 4.578         | 1.86               | 7.65                    |       |
| 7/8/02 14:00                       | 87.00              | 30.40             |                            |                               | 4.151         | 6.53               | 7.74                    |       |
| 7/8/02 14:30                       | 87.30              | 29.09             |                            |                               | 3.787         | 8.00               | 8.84                    |       |
| 7/8/02 15:00                       | 87.90              | 29.94             |                            |                               | 3.345         | 8.11               | 10.53                   |       |
| 7/8/02 15:30                       | 87.80              | 29.02             |                            |                               | 2.937         | 972.52             | 17.13                   |       |
| 7/8/02 16:00                       | 88.10              | 28.80             |                            |                               | 2.526         | 27.60              | 19.03                   |       |
| 7/8/02 16:30                       | 87.90              | 28.31             |                            |                               | 2.181         | 22.65              | 18.32                   |       |
| 7/8/02 17:00                       | 87.20              | 28.25             |                            |                               | 1.580         | 71.10              | 25.52                   |       |
| 7/8/02 17:30                       | 86.60              | 27.93             |                            |                               | 1.059         | 86.44              | 27.61                   |       |
| 7/8/02 18:00                       | 85.90              | 28.18             |                            |                               | 0.756         | 51.32              | 26.21                   |       |
| 7/8/02 18:30                       | 85.30              | 28.38             |                            |                               | 0.496         | 52.06              | 24.00                   |       |
| 7/8/02 19:00                       | 84.80              | 27.97             |                            |                               | 0.257         | 69.89              | 27.60                   |       |
| 7/8/02 19:30                       | 84.00              | 28.51             |                            |                               | 0.146         | 80.06              | 27.79                   |       |
| 7/8/02 20:00                       | 83.70              | 28.40             |                            |                               | 0.311         | 49.71              | 25.69                   |       |
| 7/8/02 20:30                       | 84.30              | 28.49             |                            |                               | 0.564         | 152.95             | 31.49                   |       |
| 7/8/02 21:00                       | 84.40              | 28.30             |                            |                               | 0.844         | 67.69              | 29.68                   |       |
| 7/8/02 21:30                       | 84.50              | 28.58             |                            |                               | 0.844         | 67.69              | 29.68                   |       |
| 7/8/02 22:00                       | 84.80              | 29.09             |                            |                               | 1.707         | 39.91              | 24.17                   |       |
| 7/8/02 22:30                       | 85.40              | 29.12             |                            |                               | 1.707         | 39.91              | 24.17                   |       |
| 7/8/02 23:00                       | 85.40              | 29.02             |                            |                               | 2.569         | 52.32              | 24.36                   |       |
| 7/8/02 23:30                       | 85.60              | 29.68             |                            |                               | 2.902         | 40.27              | 22.46                   |       |
| 7/9/02 0:00                        | 85.70              | 29.84             |                            |                               | 3.197         | 35.67              | 21.86                   |       |
| 7/9/02 0:30                        | 85.50              | 29.81             |                            |                               | 3.392         | 27.59              | 25.55                   |       |
| 7/9/02 1:00                        | 85.20              | 29.70             |                            |                               | 3.654         | 29.82              | 19.15                   |       |
| 7/9/02 1:30                        | 85.20              | 29.95             |                            |                               | 3.938         | 29.69              | 18.44                   |       |
| 7/9/02 2:00                        | 85.10              | 30.48             |                            |                               | 4.104         | 21.84              | 13.44                   |       |
| 7/9/02 2:30                        | 84.90              | 30.50             |                            |                               | 4.094         | 18.47              | 11.33                   |       |
| 7/9/02 3:00                        | 84.70              | 29.65             |                            |                               | 4.035         | 15.47              | 13.23                   |       |
| 7/9/02 3:30                        | 84.60              | 29.53             |                            |                               | 3.786         | 13.34              | 12.72                   |       |
| 7/9/02 4:00                        | 84.40              | 29.48             |                            |                               | 3.626         | 14.95              | 17.32                   |       |
| 7/9/02 4:30                        | 84.00              | 29.44             |                            |                               | 3.396         | 18.18              | 16.62                   |       |
| 7/9/02 5:00                        | 83.80              | 29.73             |                            |                               | 3.280         | 19.66              | 17.31                   |       |
| 7/9/02 5:30                        | 83.60              | 30.04             |                            |                               | 3.226         | 20.15              | 17.11                   |       |
| 7/9/02 6:00                        | 83.70              | 29.96             |                            |                               | 3.098         | 14.52              | 15.90                   |       |
| 7/9/02 6:30                        | 83.30              | 30.00             |                            |                               | 2.931         | 22.00              | 16.70                   |       |
| 7/9/02 7:00                        | 83.00              | 30.32             |                            |                               | 2.779         | 20.62              | 18.29                   |       |
| 7/9/02 7:30                        | 82.80              | 29.80             |                            |                               | 2.966         | 22.10              | 16.99                   |       |
| 7/9/02 8:00                        | 83.30              | 30.43             |                            |                               | 3.015         | 34.96              | 18.28                   |       |
| 7/9/02 8:30                        | 83.30              | 30.28             |                            |                               | 3.254         | 30.33              | 18.78                   |       |
| 7/9/02 9:00                        | 83.40              | 29.90             |                            |                               | 3.488         | 30.33              | 16.98                   |       |
| 7/9/02 9:30                        | 83.70              | 30.08             |                            |                               | 3.748         | 33.20              | 14.57                   |       |
| 7/9/02 10:00                       | 83.80              | 30.20             |                            |                               | 3.963         | 23.43              | 11.07                   |       |
| 7/9/02 10:30                       | 84.20              | 30.68             |                            |                               | 4.486         | 22.05              | 9.66                    |       |
| 7/9/02 11:00                       | 84.50              | 31.12             |                            |                               | 4.757         | 27.92              | 10.16                   |       |
| 7/9/02 11:30                       | 84.80              | 30.60             |                            |                               | 5.010         | 1787.16            | 9.45                    |       |
| 7/9/02 12:00                       | 84.80              | 31.29             |                            |                               | 5.253         | 26.90              | 9.95                    |       |
| 7/9/02 12:30                       | 84.90              | 30.21             |                            |                               | 5.357         | 15.74              | 6.94                    |       |
| 7/9/02 13:00                       | 85.00              | 30.29             |                            |                               | 5.386         | 9.46               | 6.94                    |       |
| 7/9/02 13:30                       | 85.10              | 30.15             |                            |                               | 5.247         | 3.93               | 5.84                    |       |
| 7/9/02 14:00                       | 85.10              | 31.29             |                            |                               | 4.950         | 6.42               | 5.73                    |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/9/02 14:30                       | 85.20              | 30.09             |                            |                               | 4.721         | 4.02               | 6.73                    |       |
| 7/9/02 15:00                       | 84.90              | 30.34             |                            |                               | 4.268         | 47.32              | 13.22                   |       |
| 7/9/02 15:30                       | 84.60              | 29.42             |                            |                               | 4.061         | 33.13              | 13.32                   |       |
| 7/9/02 16:00                       | 84.30              | 30.07             |                            |                               | 3.701         | 18.29              | 14.31                   |       |
| 7/9/02 16:30                       | 84.10              | 29.60             |                            |                               | 3.089         | 12.12              | 17.81                   |       |
| 7/9/02 17:00                       | 83.80              | 29.23             |                            |                               | 2.474         | 21.67              | 20.21                   |       |
| 7/9/02 17:30                       | 82.70              | 28.48             |                            |                               | 1.918         | 23.29              | 29.20                   |       |
| 7/9/02 18:00                       | 82.50              | 28.25             |                            |                               | 1.489         | 30.45              | 27.90                   |       |
| 7/9/02 18:30                       | 82.30              | 28.55             |                            |                               | 1.116         | 40.14              | 28.19                   |       |
| 7/9/02 19:00                       | 82.10              | 28.79             |                            |                               | 0.761         | 67.83              | 28.29                   |       |
| 7/9/02 19:30                       | 82.00              | 27.94             |                            |                               | 0.489         | 33.71              | 30.58                   |       |
| 7/9/02 20:00                       | 81.80              | 28.62             |                            |                               | 0.375         | 45.17              | 24.98                   |       |
| 7/9/02 20:30                       | 81.60              | 29.03             |                            |                               | 0.449         | 36.34              | 25.77                   |       |
| 7/9/02 21:00                       | 81.70              | 28.94             |                            |                               | 0.827         | 76.18              | 32.77                   |       |
| 7/9/02 21:30                       | 81.70              | 28.72             |                            |                               | 1.147         | 49.70              | 28.87                   |       |
| 7/9/02 22:00                       | 81.70              | 28.94             |                            |                               | 1.610         | 23.33              | 25.16                   |       |
| 7/9/02 22:30                       | 81.90              | 28.95             |                            |                               | 1.816         | 25.98              | 25.06                   |       |
| 7/9/02 23:00                       | 82.00              | 28.24             |                            |                               | 2.113         | 28.24              | 24.45                   |       |
| 7/9/02 23:30                       | 82.30              | 28.89             |                            |                               | 2.599         | 15.73              | 22.15                   |       |
| 7/10/02 0:00                       | 82.50              | 28.91             |                            |                               | 3.106         | 88.49              | 26.24                   |       |
| 7/10/02 0:30                       | 82.70              | 29.35             |                            |                               | 3.572         | 37.57              | 22.24                   |       |
| 7/10/02 1:00                       | 82.80              | 29.72             |                            |                               | 4.095         | 43.63              | 22.63                   |       |
| 7/10/02 1:30                       | 82.80              | 29.69             |                            |                               | 4.242         | 25.17              | 19.53                   |       |
| 7/10/02 2:00                       | 82.70              | 29.82             |                            |                               | 4.422         | 30.72              | 17.73                   |       |
| 7/10/02 2:30                       | 82.60              | 29.87             |                            |                               | 4.490         | 18.82              | 15.32                   |       |
| 7/10/02 3:00                       | 82.50              | 29.74             |                            |                               | 4.399         | 14.25              | 13.82                   |       |
| 7/10/02 3:30                       | 82.60              | 30.12             |                            |                               | 4.356         | 22.73              | 15.81                   |       |
| 7/10/02 4:00                       | 82.40              | 29.77             |                            |                               | 4.325         | 9.54               | 14.11                   |       |
| 7/10/02 4:30                       | 82.30              | 29.92             |                            |                               | 4.214         | 10.41              | 14.50                   |       |
| 7/10/02 5:00                       | 82.10              | 29.45             |                            |                               | 3.844         | 24.60              | 16.80                   |       |
| 7/10/02 5:30                       | 81.80              | 29.19             |                            |                               | 3.487         | 20.53              | 18.00                   |       |
| 7/10/02 6:00                       | 81.30              | 28.59             |                            |                               | 3.180         | 18.24              | 17.79                   |       |
| 7/10/02 6:30                       | 81.00              | 28.42             |                            |                               | 2.973         | 21.65              | 20.09                   |       |
| 7/10/02 7:00                       | 80.70              | 29.33             |                            |                               | 2.843         | 21.52              | 18.28                   |       |
| 7/10/02 7:30                       | 80.30              | 28.75             |                            |                               | 2.739         | 14.14              | 15.08                   |       |
| 7/10/02 8:00                       | 80.10              | 28.40             |                            |                               | 2.732         | 18.19              | 15.37                   |       |
| 7/10/02 8:30                       | 80.10              | 29.22             |                            |                               | 2.906         | 28.86              | 16.47                   |       |
| 7/10/02 9:00                       | 80.90              | 29.60             |                            |                               | 3.165         | 22.88              | 17.56                   |       |
| 7/10/02 9:30                       | 81.40              | 28.39             |                            |                               | 3.466         | 32.53              | 17.86                   |       |
| 7/10/02 10:00                      | 81.70              | 29.88             |                            |                               | 3.723         | 19.29              | 15.56                   |       |
| 7/10/02 10:30                      | 82.00              | 30.07             |                            |                               | 4.134         | 25.39              | 16.85                   |       |
| 7/10/02 11:00                      | 82.40              | 30.36             |                            |                               | 4.495         | 24.37              | 14.45                   |       |
| 7/10/02 11:30                      | 82.80              | 30.06             |                            |                               | 4.793         | 23.85              | 14.54                   |       |
| 7/10/02 12:00                      | 83.10              | 30.59             |                            |                               | 5.077         | 36.45              | 11.94                   |       |
| 7/10/02 12:30                      | 83.20              | 30.18             |                            |                               | 5.313         | 15.04              | 10.53                   |       |
| 7/10/02 13:00                      | 83.40              | 30.31             |                            |                               | 5.477         | 19.36              | 11.03                   |       |
| 7/10/02 13:30                      | 83.80              | 30.68             |                            |                               | 5.509         | 26.11              | 10.12                   |       |
| 7/10/02 14:00                      | 83.60              | 29.84             |                            |                               | 5.687         | 15.64              | 9.62                    |       |
| 7/10/02 14:30                      | 83.60              | 30.26             |                            |                               | 5.296         | 26.60              | 12.52                   |       |
| 7/10/02 15:00                      | 84.20              | 30.20             |                            |                               | 4.884         | 15.49              | 10.71                   |       |
| 7/10/02 15:30                      | 84.30              | 30.03             |                            |                               | 4.495         | 15.99              | 14.31                   |       |
| 7/10/02 16:00                      | 84.60              | 29.14             |                            |                               | 4.126         | 18.27              | 18.10                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/10/02 16:30                      | 84.80              | 29.43             |                            |                               | 3.738         | 18.26              | 19.10                   |       |
| 7/10/02 17:00                      | 85.20              | 29.46             |                            |                               | 3.245         | 14.42              | 19.99                   |       |
| 7/10/02 17:30                      | 85.30              | 29.43             |                            |                               | 2.760         | 26.42              | 22.59                   |       |
| 7/10/02 18:00                      | 85.60              | 28.52             |                            |                               | 2.286         | 13.75              | 21.19                   |       |
| 7/10/02 18:30                      | 85.80              | 28.63             |                            |                               | 1.849         | 30.89              | 20.88                   |       |
| 7/10/02 19:00                      | 85.90              | 29.03             |                            |                               | 1.421         | 10.91              | 20.98                   |       |
| 7/10/02 19:30                      | 86.00              | 28.91             |                            |                               | 1.103         | 38.17              | 23.47                   |       |
| 7/10/02 20:00                      | 85.90              | 28.32             |                            |                               | 0.837         | 37.53              | 26.57                   |       |
| 7/10/02 20:30                      | 84.90              | 28.52             |                            |                               | 0.619         | 73.91              | 30.26                   |       |
| 7/10/02 21:00                      | 84.50              | 28.27             |                            |                               | 0.715         | 42.26              | 24.66                   |       |
| 7/10/02 21:30                      | 84.50              | 28.31             |                            |                               | 0.658         | 34.82              | 19.95                   |       |
| 7/10/02 22:00                      | 84.20              | 28.35             |                            |                               | 0.777         | 30.20              | 22.25                   |       |
| 7/10/02 22:30                      | 84.50              | 28.60             |                            |                               | 1.253         | 155.16             | 27.65                   |       |
| 7/10/02 23:00                      | 84.80              | 27.55             |                            |                               | 1.704         | 33.39              | 24.54                   |       |
| 7/10/02 23:30                      | 85.00              | 29.08             |                            |                               | 2.106         | 32.75              | 22.24                   |       |
| 7/11/02 0:00                       | 85.00              | 28.52             |                            |                               | 2.507         | 35.44              | 23.63                   |       |
| 7/11/02 0:30                       | 84.60              | 28.52             |                            |                               | 2.904         | 30.81              | 24.83                   |       |
| 7/11/02 1:00                       | 84.50              | 29.53             |                            |                               | 3.309         | 40.70              | 30.12                   |       |
| 7/11/02 1:30                       | 84.30              | 29.41             |                            |                               | 3.647         | 23.85              | 22.72                   |       |
| 7/11/02 2:00                       | 84.30              | 29.22             |                            |                               | 3.878         | 21.53              | 19.81                   |       |
| 7/11/02 2:30                       | 84.30              | 29.39             |                            |                               | 4.042         | 30.27              | 19.81                   |       |
| 7/11/02 3:00                       | 84.10              | 29.37             |                            |                               | 4.229         | 31.03              | 18.81                   |       |
| 7/11/02 3:30                       | 83.90              | 29.45             |                            |                               | 4.236         | 26.78              | 18.30                   |       |
| 7/11/02 4:00                       | 83.90              | 29.44             |                            |                               | 4.184         | 23.81              | 17.00                   |       |
| 7/11/02 4:30                       | 83.80              | 29.23             |                            |                               | 4.116         | 13.23              | 18.89                   |       |
| 7/11/02 5:00                       | 83.40              | 29.16             |                            |                               | 3.928         | 22.50              | 19.29                   |       |
| 7/11/02 5:30                       | 83.30              | 29.46             |                            |                               | 3.718         | 24.04              | 18.18                   |       |
| 7/11/02 6:00                       | 83.30              | 29.38             |                            |                               | 3.718         | 24.03              | 18.18                   |       |
| 7/11/02 6:30                       | 83.20              | 29.93             |                            |                               | 3.253         | 29.31              | 18.57                   |       |
| 7/11/02 7:00                       | 83.10              | 29.91             |                            |                               | 3.051         | 34.08              | 20.07                   |       |
| 7/11/02 7:30                       | 82.90              | 30.07             |                            |                               | 2.883         | 29.94              | 18.27                   |       |
| 7/11/02 8:00                       | 82.80              | 29.54             |                            |                               | 2.895         | 26.19              | 20.26                   |       |
| 7/11/02 8:30                       | 83.10              | 29.70             |                            |                               | 2.987         | 33.42              | 19.86                   |       |
| 7/11/02 9:00                       | 83.20              | 30.21             |                            |                               | 3.058         | 33.54              | 23.55                   |       |
| 7/11/02 9:30                       | 83.30              | 29.73             |                            |                               | 3.205         | 38.83              | 23.25                   |       |
| 7/11/02 10:00                      | 83.40              | 29.38             |                            |                               | 3.547         | 24.35              | 20.24                   |       |
| 7/11/02 10:30                      | 83.50              | 29.32             |                            |                               | 3.864         | 48.40              | 19.24                   |       |
| 7/11/02 11:00                      | 83.60              | 29.35             |                            |                               | 4.081         | 25.88              | 17.64                   |       |
| 7/11/02 11:30                      | 83.50              | 30.15             |                            |                               | 4.461         | 38.43              | 18.33                   |       |
| 7/11/02 12:00                      | 83.70              | 29.76             |                            |                               | 4.822         | 41.53              | 20.73                   |       |
| 7/11/02 12:30                      | 84.00              | 29.59             |                            |                               | 5.200         | 28.06              | 18.12                   |       |
| 7/11/02 13:00                      | 84.30              | 30.18             |                            |                               | 5.453         | 26.37              | 15.72                   |       |
| 7/11/02 13:30                      | 84.50              | 30.16             |                            |                               | 5.682         | 27.53              | 14.91                   |       |
| 7/11/02 14:00                      | 84.80              | 30.22             |                            |                               | 5.662         | 12.74              | 13.01                   |       |
| 7/11/02 14:30                      | 85.00              | 30.14             |                            |                               | 5.501         | 10.39              | 11.40                   |       |
| 7/11/02 15:00                      | 84.90              | 30.10             |                            |                               | 5.202         | 22.31              | 14.10                   |       |
| 7/11/02 15:30                      | 85.50              | 29.61             |                            |                               | 4.929         | 10.49              | 14.20                   |       |
| 7/11/02 16:00                      | 85.40              | 29.84             |                            |                               | 4.620         | 29.31              | 17.39                   |       |
| 7/11/02 16:30                      | 85.90              | 29.75             |                            |                               | 4.209         | 30.60              | 20.49                   |       |
| 7/11/02 17:00                      | 85.90              | 29.15             |                            |                               | 3.819         | 41.50              | 24.88                   |       |
| 7/11/02 17:30                      | 86.80              | 28.82             |                            |                               | 3.376         | 25.52              | 23.78                   |       |
| 7/11/02 18:00                      | 87.40              | 29.18             |                            |                               | 3.376         | 25.51              | 23.77                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/11/02 18:30                      | 87.50              | 29.12             |                            |                               | 2.498         | 50.08              | 27.47                   |       |
| 7/11/02 19:00                      | 87.40              | 28.95             |                            |                               | 2.046         | 48.65              | 25.26                   |       |
| 7/11/02 19:30                      | 87.30              | 28.76             |                            |                               | 1.643         | 44.22              | 24.66                   |       |
| 7/11/02 20:00                      | 87.00              | 29.03             |                            |                               | 1.297         | 52.81              | 27.16                   |       |
| 7/11/02 20:30                      | 86.70              | 28.85             |                            |                               | 1.008         | 80.29              | 26.05                   |       |
| 7/11/02 21:00                      | 86.30              | 29.24             |                            |                               | 0.762         | 61.80              | 26.05                   |       |
| 7/11/02 21:30                      | 85.90              | 29.24             |                            |                               | 0.674         | 52.16              | 23.14                   |       |
| 7/11/02 22:00                      | 85.60              | 28.92             |                            |                               | 0.768         | 31.05              | 28.04                   |       |
| 7/11/02 22:30                      | 85.80              | 28.95             |                            |                               | 1.016         | 24.00              | 26.63                   |       |
| 7/11/02 23:00                      | 85.70              | 28.51             |                            |                               | 1.298         | 44.60              | 26.93                   |       |
| 7/11/02 23:30                      | 85.80              | 28.36             |                            |                               | 1.577         | 24.11              | 29.03                   |       |
| 7/12/02 0:00                       | 85.90              | 28.65             |                            |                               | 1.977         | 36.76              | 29.62                   |       |
| 7/12/02 0:30                       | 86.00              | 28.99             |                            |                               | 2.385         | 41.20              | 25.02                   |       |
| 7/12/02 1:00                       | 85.80              | 28.37             |                            |                               | 2.799         | 42.63              | 29.61                   |       |
| 7/12/02 1:30                       | 85.70              | 28.63             |                            |                               | 3.200         | 45.37              | 30.01                   |       |
| 7/12/02 2:00                       | 85.50              | 29.04             |                            |                               | 3.589         | 1865.50            | 27.90                   |       |
| 7/12/02 2:30                       | 85.30              | 29.11             |                            |                               | 3.864         | 42.89              | 25.30                   |       |
| 7/12/02 3:00                       | 85.30              | 28.80             |                            |                               | 4.043         | 41.84              | 27.69                   |       |
| 7/12/02 3:30                       | 84.90              | 29.87             |                            |                               | 4.195         | 45.76              | 28.19                   |       |
| 7/12/02 4:00                       | 84.70              | 28.74             |                            |                               | 4.229         | 30.97              | 24.09                   |       |
| 7/12/02 4:30                       | 84.60              | 29.11             |                            |                               | 4.229         | 30.96              | 24.08                   |       |
| 7/12/02 5:00                       | 84.50              | 28.85             |                            |                               | 4.202         | 43.40              | 24.08                   |       |
| 7/12/02 5:30                       | 84.30              | 29.20             |                            |                               | 4.021         | 41.69              | 24.27                   |       |
| 7/12/02 6:00                       | 84.30              | 29.46             |                            |                               | 3.809         | 37.63              | 22.87                   |       |
| 7/12/02 6:30                       | 84.20              | 29.39             |                            |                               | 3.583         | 45.36              | 26.76                   |       |
| 7/12/02 7:00                       | 84.20              | 29.50             |                            |                               | 3.370         | 52.57              | 20.26                   |       |
| 7/12/02 7:30                       | 84.00              | 29.90             |                            |                               | 3.192         | 59.13              | 24.35                   |       |
| 7/12/02 8:00                       | 83.80              | 29.10             |                            |                               | 2.904         | 69.11              | 28.55                   |       |
| 7/12/02 8:30                       | 83.40              | 29.54             |                            |                               | 2.796         | 47.32              | 24.45                   |       |
| 7/12/02 9:00                       | 83.30              | 29.11             |                            |                               | 2.773         | 31.82              | 24.24                   |       |
| 7/12/02 9:30                       | 83.50              | 29.52             |                            |                               | 2.937         | 48.11              | 25.24                   |       |
| 7/12/02 10:00                      | 83.50              | 29.77             |                            |                               | 3.013         | 25.90              | 21.03                   |       |
| 7/12/02 10:30                      | 83.40              | 29.83             |                            |                               | 3.234         | 28.52              | 19.03                   |       |
| 7/12/02 11:00                      | 83.40              | 29.51             |                            |                               | 3.454         | 41.53              | 21.02                   |       |
| 7/12/02 11:30                      | 83.40              | 29.43             |                            |                               | 3.576         | 41.79              | 23.32                   |       |
| 7/12/02 12:00                      | 83.40              | 29.38             |                            |                               | 3.931         | 44.68              | 27.51                   |       |
| 7/12/02 12:30                      | 83.60              | 29.30             |                            |                               | 4.372         | 22.17              | 21.91                   |       |
| 7/12/02 13:00                      | 83.50              | 29.93             |                            |                               | 4.653         | 23.09              | 15.71                   |       |
| 7/12/02 13:30                      | 83.30              | 29.82             |                            |                               | 4.973         | 26.50              | 20.80                   |       |
| 7/12/02 14:00                      | 83.40              | 29.90             |                            |                               | 5.274         | 48.23              | 44.20                   |       |
| 7/12/02 14:30                      | 83.40              | 29.83             |                            |                               | 5.350         | 46.78              | 22.39                   |       |
| 7/12/02 15:00                      | 83.30              | 29.78             |                            |                               | 5.363         | 25.69              | 21.99                   |       |
| 7/12/02 15:30                      | 83.20              | 29.79             |                            |                               | 5.271         | 27.00              | 21.78                   |       |
| 7/12/02 16:00                      | 83.00              | 29.76             |                            |                               | 5.029         | 35.30              | 25.28                   |       |
| 7/12/02 16:30                      | 83.00              | 29.40             |                            |                               | 4.779         | 24.47              | 27.48                   |       |
| 7/12/02 17:00                      | 82.90              | 29.45             |                            |                               | 4.444         | 48.36              | 30.57                   |       |
| 7/12/02 17:30                      | 82.80              | 29.30             |                            |                               | 4.109         | 20.36              | 22.17                   |       |
| 7/12/02 18:00                      | 82.60              | 28.94             |                            |                               | 3.747         | 34.22              | 31.26                   |       |
| 7/12/02 18:30                      | 82.60              | 28.83             |                            |                               | 3.270         | 723.65             | 22.16                   |       |
| 7/12/02 19:00                      | 82.10              | 28.81             |                            |                               | 2.788         | 42.28              | 40.85                   |       |
| 7/12/02 19:30                      | 82.10              | 28.32             |                            |                               | 2.350         | 32.49              | 24.85                   |       |
| 7/12/02 20:00                      | 81.70              | 27.69             |                            |                               | 1.927         | 54.57              | 45.04                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/12/02 20:30                      | 81.50              | 28.06             |                            |                               | 1.536         | 34.73              | 41.74                   |       |
| 7/12/02 21:00                      | 81.00              | 27.33             |                            |                               | 1.254         | 37.77              | 43.94                   |       |
| 7/12/02 21:30                      | 80.80              | 26.59             |                            |                               | 1.017         | 42.66              | 35.53                   |       |
| 7/12/02 22:00                      | 80.60              | 26.88             |                            |                               | 0.815         | 30.61              | 26.53                   |       |
| 7/12/02 22:30                      | 80.60              | 27.33             |                            |                               | 0.838         | 33.25              | 51.92                   |       |
| 7/12/02 23:00                      | 80.60              | 26.87             |                            |                               | 1.044         | 18.53              | 39.52                   |       |
| 7/12/02 23:30                      | 80.80              | 27.72             |                            |                               | 1.350         | 25.55              | 28.31                   |       |
| 7/13/02 0:00                       | 81.00              | 28.12             |                            |                               | 1.672         | 51.54              | 27.71                   |       |
| 7/13/02 0:30                       | 81.30              | 27.85             |                            |                               | 2.000         | 41.45              | 48.70                   |       |
| 7/13/02 1:00                       | 81.40              | 28.07             |                            |                               | 2.419         | 49.94              | 42.00                   |       |
| 7/13/02 1:30                       | 81.40              | 28.35             |                            |                               | 2.816         | 38.92              | 38.30                   |       |
| 7/13/02 2:00                       | 81.40              | 28.49             |                            |                               | 3.160         | 60.44              | 29.89                   |       |
| 7/13/02 2:30                       | 81.50              | 28.64             |                            |                               | 3.524         | 53.40              | 39.19                   |       |
| 7/13/02 3:00                       | 81.70              | 29.05             |                            |                               | 3.781         | 42.10              | 21.08                   |       |
| 7/13/02 3:30                       | 82.00              | 29.49             |                            |                               | 4.131         | 48.35              | 35.38                   |       |
| 7/13/02 4:00                       | 82.10              | 29.25             |                            |                               | 4.317         | 40.50              | 28.97                   |       |
| 7/13/02 4:30                       | 82.00              | 29.05             |                            |                               | 4.448         | 48.48              | 25.97                   |       |
| 7/13/02 5:00                       | 81.80              | 28.84             |                            |                               | 4.518         | 34.77              | 24.47                   |       |
| 7/13/02 5:30                       | 81.70              | 29.08             |                            |                               | 4.464         | 41.16              | 24.16                   |       |
| 7/13/02 6:00                       | 81.50              | 28.61             |                            |                               | 4.444         | 40.49              | 12.86                   |       |
| 7/13/02 6:30                       | 81.40              | 29.24             |                            |                               | 4.433         | 48.61              | 15.85                   |       |
| 7/13/02 7:00                       | 81.30              | 29.19             |                            |                               | 4.145         | 65.13              | 22.85                   |       |
| 7/13/02 7:30                       | 81.20              | 28.96             |                            |                               | 3.873         | 54.08              | 27.34                   |       |
| 7/13/02 8:00                       | 80.90              | 28.65             |                            |                               | 3.807         | 33.41              | 36.64                   |       |
| 7/13/02 8:30                       | 81.00              | 28.87             |                            |                               | 3.495         | 28.87              | 18.83                   |       |
| 7/13/02 9:00                       | 80.80              | 28.70             |                            |                               | 3.398         | 29.53              | 26.83                   |       |
| 7/13/02 9:30                       | 80.70              | 28.52             |                            |                               | 3.227         | 19.11              | 21.23                   |       |
| 7/13/02 10:00                      | 80.60              | 27.71             |                            |                               | 3.191         | 13.90              | 22.12                   |       |
| 7/13/02 10:30                      | 80.50              | 27.48             |                            |                               | 3.157         | 21.63              | 19.42                   |       |
| 7/13/02 11:00                      | 80.50              | 28.16             |                            |                               | 3.312         | 38.99              | 18.41                   |       |
| 7/13/02 11:30                      | 80.60              | 28.38             |                            |                               | 3.492         | 21.61              | 32.21                   |       |
| 7/13/02 12:00                      | 80.80              | 28.07             |                            |                               | 3.726         | 38.18              | 23.70                   |       |
| 7/13/02 12:30                      | 81.30              | 28.93             |                            |                               | 4.215         | 43.79              | 26.80                   |       |
| 7/13/02 13:00                      | 81.30              | 29.07             |                            |                               | 4.513         | 43.12              | 18.19                   |       |
| 7/13/02 13:30                      | 81.70              | 28.68             |                            |                               | 4.920         | 1895.20            | 16.49                   |       |
| 7/13/02 14:00                      | 81.60              | 28.80             |                            |                               | 5.317         | 52.89              | 14.89                   |       |
| 7/13/02 14:30                      | 81.50              | 28.68             |                            |                               | 5.397         | 52.35              | 22.58                   |       |
| 7/13/02 15:00                      | 81.50              | 28.38             |                            |                               | 5.647         | 53.42              | 25.08                   |       |
| 7/13/02 15:30                      | 81.50              | 28.63             |                            |                               | 5.630         | 102.73             | 40.67                   |       |
| 7/13/02 16:00                      | 81.50              | 27.81             |                            |                               | 5.371         | 76.08              | 25.27                   |       |
| 7/13/02 16:30                      | 81.50              | 28.23             |                            |                               | 5.276         | 87.62              | 33.76                   |       |
| 7/13/02 17:00                      | 81.60              | 28.51             |                            |                               | 5.119         | 53.97              | 39.36                   |       |
| 7/13/02 17:30                      | 81.70              | 28.39             |                            |                               | 4.836         | 94.08              | 27.96                   |       |
| 7/13/02 18:00                      | 81.70              | 27.70             |                            |                               | 4.568         | 116.24             | 31.25                   |       |
| 7/13/02 18:30                      | 81.60              | 28.63             |                            |                               | 4.266         | 78.80              | 24.15                   |       |
| 7/13/02 19:00                      | 81.50              | 28.40             |                            |                               | 3.872         | 70.09              | 20.84                   |       |
| 7/13/02 19:30                      | 81.30              | 27.88             |                            |                               | 3.548         | 1901.08            | 25.84                   |       |
| 7/13/02 20:00                      | 81.30              | 27.14             |                            |                               | 3.124         | 95.50              | 25.83                   |       |
| 7/13/02 20:30                      | 81.20              | 27.40             |                            |                               | 2.740         | 125.22             | 44.43                   |       |
| 7/13/02 21:00                      | 81.00              | 27.17             |                            |                               | 2.308         | 109.91             | 40.32                   |       |
| 7/13/02 21:30                      | 81.00              | 27.50             |                            |                               | 1.958         | 125.13             | 29.42                   |       |
| 7/13/02 22:00                      | 80.80              | 26.41             |                            |                               | 1.639         | 91.38              | 28.52                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/13/02 22:30                      | 80.60              | 26.48             |                            |                               | 1.419         | 65.55              | 24.01                   |       |
| 7/13/02 23:00                      | 80.50              | 26.43             |                            |                               | 1.238         | 42.13              | 18.31                   |       |
| 7/13/02 23:30                      | 80.40              | 26.30             |                            |                               | 1.034         | 35.39              | 57.10                   |       |
| 7/14/02 0:00                       | 80.30              | 26.06             |                            |                               | 1.052         | 28.92              | 24.40                   |       |
| 7/14/02 0:30                       | 80.30              | 25.84             |                            |                               | 1.494         | 55.87              | 25.49                   |       |
| 7/14/02 1:00                       | 80.40              | 25.94             |                            |                               | 1.909         | 44.68              | 22.89                   |       |
| 7/14/02 1:30                       | 80.40              | 26.38             |                            |                               | 2.214         | 48.73              | 26.18                   |       |
| 7/14/02 2:00                       | 80.60              | 26.66             |                            |                               | 2.626         | 58.44              | 28.58                   |       |
| 7/14/02 2:30                       | 80.70              | 27.10             |                            |                               | 3.034         | 78.68              | 26.18                   |       |
| 7/14/02 3:00                       | 80.70              | 27.16             |                            |                               | 3.437         | 66.95              | 22.27                   |       |
| 7/14/02 3:30                       | 80.70              | 27.57             |                            |                               | 3.795         | 75.60              | 20.57                   |       |
| 7/14/02 4:00                       | 80.70              | 27.48             |                            |                               | 4.170         | 72.36              | 18.56                   |       |
| 7/14/02 4:30                       | 80.90              | 29.29             |                            |                               | 4.352         | 54.67              | 17.56                   |       |
| 7/14/02 5:00                       | 80.90              | 27.72             |                            |                               | 4.492         | 58.59              | 18.45                   |       |
| 7/14/02 5:30                       | 80.90              | 27.67             |                            |                               | 4.490         | 93.34              | 29.75                   |       |
| 7/14/02 6:00                       | 80.90              | 27.65             |                            |                               | 4.569         | 57.92              | 32.04                   |       |
| 7/14/02 6:30                       | 80.80              | 27.86             |                            |                               | 4.490         | 88.91              | 28.34                   |       |
| 7/14/02 7:00                       | 80.80              | 27.91             |                            |                               | 4.281         | 68.89              | 22.94                   |       |
| 7/14/02 7:30                       | 80.70              | 27.08             |                            |                               | 4.097         | 72.82              | 17.83                   |       |
| 7/14/02 8:00                       | 80.60              | 27.00             |                            |                               | 3.897         | 96.12              | 44.23                   |       |
| 7/14/02 8:30                       | 80.50              | 27.18             |                            |                               | 3.602         | 66.74              | 24.32                   |       |
| 7/14/02 9:00                       | 80.50              | 26.93             |                            |                               | 3.338         | 97.64              | 40.52                   |       |
| 7/14/02 9:30                       | 80.60              | 26.73             |                            |                               | 3.036         | 104.43             | 32.61                   |       |
| 7/14/02 10:00                      | 80.90              | 26.94             |                            |                               | 2.847         | 64.04              | 31.71                   |       |
| 7/14/02 10:30                      | 81.20              | 26.55             |                            |                               | 2.691         | 43.29              | 18.11                   |       |
| 7/14/02 11:00                      | 81.20              | 26.23             |                            |                               | 2.532         | 83.86              | 20.00                   |       |
| 7/14/02 11:30                      | 81.40              | 26.31             |                            |                               | 2.516         | 98.26              | 21.60                   |       |
| 7/14/02 12:00                      | 81.80              | 25.67             |                            |                               | 2.680         | 24.28              | 21.59                   |       |
| 7/14/02 12:30                      | 82.00              | 26.02             |                            |                               | 3.063         | 178.97             | 35.89                   |       |
| 7/14/02 13:00                      | 82.40              | 25.63             |                            |                               | 3.453         | 67.19              | 44.38                   |       |
| 7/14/02 13:30                      | 82.10              | 25.90             |                            |                               | 3.587         | 72.91              | 39.08                   |       |
| 7/14/02 14:00                      | 82.20              | 25.96             |                            |                               | 3.855         | 83.25              | 36.37                   |       |
| 7/14/02 14:30                      | 82.60              | 26.09             |                            |                               | 4.128         | 74.28              | 40.97                   |       |
| 7/14/02 15:00                      | 83.40              | 26.70             |                            |                               | 4.421         | 87.62              | 31.47                   |       |
| 7/14/02 15:30                      | 83.60              | 26.78             |                            |                               | 4.698         | 114.44             | 47.16                   |       |
| 7/14/02 16:00                      | 83.70              | 27.08             |                            |                               | 4.814         | 87.51              | 40.46                   |       |
| 7/14/02 16:30                      | 83.80              | 27.04             |                            |                               | 4.882         | 43.13              | 47.15                   |       |
| 7/14/02 17:00                      | 84.00              | 26.80             |                            |                               | 4.919         | 78.95              | 39.35                   |       |
| 7/14/02 17:30                      | 84.10              | 26.84             |                            |                               | 4.869         | 80.87              | 49.94                   |       |
| 7/14/02 18:00                      | 84.50              | 26.87             |                            |                               | 4.695         | 69.70              | 34.54                   |       |
| 7/14/02 18:30                      | 84.60              | 26.52             |                            |                               | 4.475         | 109.25             | 37.43                   |       |
| 7/14/02 19:00                      | 84.40              | 25.99             |                            |                               | 4.140         | 113.63             | 56.23                   |       |
| 7/14/02 19:30                      | 84.60              | 26.19             |                            |                               | 3.819         | 94.69              | 47.33                   |       |
| 7/14/02 20:00                      | 84.60              | 24.83             |                            |                               | 3.443         | 106.71             | 41.32                   |       |
| 7/14/02 20:30                      | 84.60              | 24.81             |                            |                               | 3.053         | 93.49              | 30.02                   |       |
| 7/14/02 21:00                      | 84.90              | 24.20             |                            |                               | 2.645         | 55.40              | 36.51                   |       |
| 7/14/02 21:30                      | 84.60              | 24.67             |                            |                               | 2.207         | 61.82              | 53.71                   |       |
| 7/14/02 22:00                      | 84.60              | 24.79             |                            |                               | 1.851         | 51.71              | 74.40                   |       |
| 7/14/02 22:30                      | 84.70              | 24.65             |                            |                               | 1.577         | 55.82              | 52.40                   |       |
| 7/14/02 23:00                      | 84.50              | 24.60             |                            |                               | 1.317         | 223.32             | 77.50                   |       |
| 7/14/02 23:30                      | 84.40              | 24.87             |                            |                               | 1.140         | 221.46             | 68.89                   |       |
| 7/15/02 0:00                       | 84.10              | 24.56             |                            |                               | 1.214         | 148.73             | 52.69                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/15/02 0:30                       | 84.20              | 24.21             |                            |                               | 1.523         | 162.03             | 37.98                   |       |
| 7/15/02 1:00                       | 84.00              | 24.64             |                            |                               | 1.722         | 210.95             | 68.88                   |       |
| 7/15/02 1:30                       | 84.00              | 24.31             |                            |                               | 1.986         | 35.69              | 63.67                   |       |
| 7/15/02 2:00                       | 83.70              | 24.15             |                            |                               | 2.295         | 55.42              | 38.87                   |       |
| 7/15/02 2:30                       | 83.60              | 24.28             |                            |                               | 2.730         | 50.49              | 54.86                   |       |
| 7/15/02 3:00                       | 83.70              | 24.96             |                            |                               | 3.114         | 63.37              | 100.66                  |       |
| 7/15/02 3:30                       | 83.60              | 24.81             |                            |                               | 3.523         | 391.26             | 60.76                   |       |
| 7/15/02 4:00                       | 83.50              | 25.31             |                            |                               | 3.833         | 97.40              | 124.75                  |       |
| 7/15/02 4:30                       | 83.40              | 25.53             |                            |                               | 4.153         | 110.72             | 61.65                   |       |
| 7/15/02 5:00                       | 83.20              | 25.84             |                            |                               | 4.409         | 78.08              | 38.94                   |       |
| 7/15/02 5:30                       | 83.10              | 25.17             |                            |                               | 4.549         | 94.15              | 39.64                   |       |
| 7/15/02 6:00                       | 83.10              | 26.78             |                            |                               | 4.598         | 104.46             | 54.23                   |       |
| 7/15/02 6:30                       | 83.00              | 26.01             |                            |                               | 4.517         | 134.30             | 34.83                   |       |
| 7/15/02 7:00                       | 82.90              | 25.69             |                            |                               | 4.378         | 229.98             | 49.62                   |       |
| 7/15/02 7:30                       | 82.80              | 25.20             |                            |                               | 4.152         | 373.29             | 41.92                   |       |
| 7/15/02 8:00                       | 82.50              | 25.19             |                            |                               | 3.925         | 277.95             | 34.72                   |       |
| 7/15/02 8:30                       | 82.70              | 25.00             |                            |                               | 3.676         | 51.86              | 34.71                   |       |
| 7/15/02 9:00                       | 82.80              | 24.39             |                            |                               | 3.418         | 89.84              | 63.51                   |       |
| 7/15/02 9:30                       | 83.00              | 23.71             |                            |                               | 3.123         | 94.26              | 30.70                   |       |
| 7/15/02 10:00                      | 83.00              | 23.98             |                            |                               | 2.827         | 90.69              | 44.10                   |       |
| 7/15/02 10:30                      | 83.00              | 24.25             |                            |                               | 2.531         | 72.25              | 36.29                   |       |
| 7/15/02 11:00                      | 83.40              | 23.87             |                            |                               | 2.295         | 233.88             | 43.79                   |       |
| 7/15/02 11:30                      | 83.90              | 23.71             |                            |                               | 2.152         | 131.81             | 47.59                   |       |
| 7/15/02 12:00                      | 84.40              | 23.40             |                            |                               | 2.093         | 81.09              | 28.78                   |       |
| 7/15/02 12:30                      | 84.50              | 23.08             |                            |                               | 2.178         | 35.18              | 41.58                   |       |
| 7/15/02 13:00                      | 84.90              | 23.21             |                            |                               | 2.336         | 51.04              | 41.97                   |       |
| 7/15/02 13:30                      | 85.50              | 23.60             |                            |                               | 2.629         | 48.56              | 86.67                   |       |
| 7/15/02 14:00                      | 85.60              | 23.36             |                            |                               | 2.928         | 53.39              | 51.46                   |       |
| 7/15/02 14:30                      | 85.80              | 23.03             |                            |                               | 3.158         | 36.13              | 114.26                  |       |
| 7/15/02 15:00                      | 86.30              | 22.61             |                            |                               | 3.397         | 692.96             | 83.95                   |       |
| 7/15/02 15:30                      | 86.30              | 21.97             |                            |                               | 3.698         | 145.14             | 80.75                   |       |
| 7/15/02 16:00                      | 86.90              | 20.59             |                            |                               | 3.963         | 45.24              | 84.35                   |       |
| 7/15/02 16:30                      | 86.20              | 21.25             |                            |                               | 4.191         | 713.06             | 103.64                  |       |
| 7/15/02 17:00                      | 86.70              | 21.42             |                            |                               | 4.286         | 507.47             | 89.84                   |       |
| 7/15/02 17:30                      | 86.90              | 22.56             |                            |                               | 4.373         | 441.75             | 173.53                  |       |
| 7/15/02 18:00                      | 86.00              | 23.42             |                            |                               | 4.272         | 47.86              | 175.83                  |       |
| 7/15/02 18:30                      | 86.10              | 23.49             |                            |                               | 4.254         | 146.84             | 210.82                  |       |
| 7/15/02 19:00                      | 85.90              | 23.47             |                            |                               | 4.060         | 182.05             | 194.52                  |       |
| 7/15/02 19:30                      | 86.10              | 23.51             |                            |                               | 3.862         | 74.32              | 94.71                   |       |
| 7/15/02 20:00                      | 86.20              | 22.32             |                            |                               | 3.623         | 85.69              | 97.31                   |       |
| 7/15/02 20:30                      | 87.00              | 20.53             |                            |                               | 3.347         | 23.04              | 78.71                   |       |
| 7/15/02 21:00                      | 87.10              | 19.21             |                            |                               | 3.076         | 47.44              | 124.50                  |       |
| 7/15/02 21:30                      | 87.10              | 18.95             |                            |                               | 2.782         | 33.98              | 137.80                  |       |
| 7/15/02 22:00                      | 87.20              | 19.50             |                            |                               | 2.450         | 33.42              | 135.59                  |       |
| 7/15/02 22:30                      | 87.10              | 20.75             |                            |                               | 2.162         | 46.33              | 73.89                   |       |
| 7/15/02 23:00                      | 86.90              | 20.71             |                            |                               | 1.905         | 51.32              | 148.38                  |       |
| 7/15/02 23:30                      | 86.60              | 20.92             |                            |                               | 1.680         | 31.05              | 193.98                  |       |
| 7/16/02 0:00                       | 86.40              | 20.86             |                            |                               | 1.521         | 37.99              | 206.17                  |       |
| 7/16/02 0:30                       | 86.10              | 20.72             |                            |                               | 1.521         | 37.98              | 206.17                  |       |
| 7/16/02 1:00                       | 86.50              | 20.98             |                            |                               | 1.610         | 42.57              | 203.57                  |       |
| 7/16/02 1:30                       | 85.90              | 20.99             |                            |                               | 1.822         | 62.03              | 203.36                  |       |
| 7/16/02 2:00                       | 86.00              | 20.89             |                            |                               | 2.036         | 43.53              | 191.56                  |       |













| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/22/02 14:30                      | 81.80              | 28.76             | 70.70                      | 4.73                          | 4.138         | 72.29              | 21.92                   |       |
| 7/22/02 15:00                      | 81.70              | 28.41             | 73.10                      | 4.91                          | 3.661         | 43.80              | 22.32                   |       |
| 7/22/02 15:30                      |                    |                   |                            |                               |               |                    |                         |       |
| 7/22/02 16:00                      | 81.20              | 27.38             | 79.30                      | 5.38                          | 3.049         | 22.73              | 25.52                   |       |
| 7/22/02 16:30                      | 81.10              | 27.10             | 74.50                      | 5.06                          | 2.677         | 28.02              | 26.73                   |       |
| 7/22/02 17:00                      | 80.80              | 26.15             | 80.50                      | 5.51                          | 2.212         | 34.73              | 32.03                   |       |
| 7/22/02 17:30                      |                    |                   |                            |                               |               |                    |                         |       |
| 7/22/02 18:00                      | 81.40              | 25.88             | 95.10                      | 6.48                          | 1.475         | 31.46              | 34.83                   |       |
| 7/22/02 18:30                      | 81.70              | 25.80             | 99.10                      | 6.74                          | 1.188         | 32.58              | 35.63                   |       |
| 7/22/02 19:00                      | 81.90              | 25.73             | 104.10                     | 7.07                          | 1.029         | 28.09              | 34.34                   |       |
| 7/22/02 19:30                      | 82.00              | 25.41             | 114.30                     | 7.77                          | 0.824         | 24.93              | 34.24                   |       |
| 7/22/02 20:00                      | 81.90              | 25.42             | 111.40                     | 7.57                          | 0.846         | 22.99              | 35.34                   |       |
| 7/22/02 20:30                      | 81.50              | 24.78             | 107.40                     | 7.36                          | 1.368         | 67.08              | 44.94                   |       |
| 7/22/02 21:00                      | 81.30              | 25.00             | 101.40                     | 6.95                          | 1.603         | 35.51              | 40.64                   |       |
| 7/22/02 21:30                      |                    |                   |                            |                               |               |                    |                         |       |
| 7/22/02 22:00                      | 81.30              | 25.61             | 94.80                      | 6.48                          | 2.356         | 33.36              | 35.95                   |       |
| 7/22/02 22:30                      | 81.30              | 26.12             | 94.80                      | 6.48                          | 2.356         | 33.35              | 35.95                   |       |
| 7/22/02 23:00                      | 81.30              | 26.23             | 86.60                      | 5.90                          | 3.049         | 47.30              | 34.45                   |       |
| 7/22/02 23:30                      |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 0:00                       |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 0:30                       | 81.70              | 28.20             | 79.60                      | 5.34                          | 3.904         | 18.26              | 24.16                   |       |
| 7/23/02 1:00                       |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 1:30                       | 81.60              | 28.42             | 75.50                      | 5.07                          | 4.212         | 19.26              | 22.56                   |       |
| 7/23/02 2:00                       | 81.70              | 28.63             | 75.70                      | 5.07                          | 4.338         | 17.83              | 23.26                   |       |
| 7/23/02 2:30                       |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 3:00                       | 81.60              | 28.95             | 69.60                      | 4.66                          | 4.324         | 14.56              | 17.87                   |       |
| 7/23/02 3:30                       |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 4:00                       |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 4:30                       |                    |                   |                            |                               |               |                    |                         |       |
| 7/23/02 5:00                       | 80.70              | 27.50             | 69.40                      | 4.72                          | 3.570         | 9.74               | 19.58                   |       |
| 7/23/02 5:30                       | 80.80              | 27.42             | 65.20                      | 4.43                          | 3.454         | 14.12              | 22.28                   |       |
| 7/23/02 6:00                       | 80.70              | 27.37             | 64.10                      | 4.36                          | 3.264         | 11.77              | 19.28                   |       |
| 7/23/02 6:30                       | 80.70              | 27.59             | 61.20                      | 4.16                          | 3.077         | 14.31              | 23.58                   |       |
| 7/23/02 7:00                       | 80.80              | 27.67             | 58.50                      | 3.97                          | 3.031         | 17.16              | 22.19                   |       |
| 7/23/02 7:30                       | 80.70              | 27.87             | 64.00                      | 4.34                          | 3.205         | 12.98              | 17.99                   |       |
| 7/23/02 8:00                       | 80.80              | 27.89             | 63.70                      | 4.32                          | 3.299         | 16.64              | 19.99                   |       |
| 7/23/02 8:30                       | 80.70              | 27.76             | 66.30                      | 4.50                          | 3.669         | 19.80              | 18.49                   |       |
| 7/23/02 9:00                       | 80.80              | 28.08             | 66.60                      | 4.51                          | 3.983         | 20.51              | 17.99                   |       |
| 7/23/02 9:30                       | 80.90              | 28.27             | 65.80                      | 4.44                          | 3.904         | 16.83              | 16.60                   |       |
| 7/23/02 10:00                      | 80.90              | 28.30             | 67.10                      | 4.53                          | 4.194         | 36.82              | 19.70                   |       |
| 7/23/02 10:30                      | 81.00              | 28.91             | 72.20                      | 4.86                          | 4.600         | 26.00              | 16.20                   |       |
| 7/23/02 11:00                      | 81.20              | 29.48             | 75.10                      | 5.03                          | 4.859         | 18.14              | 13.70                   |       |
| 7/23/02 11:30                      | 81.40              | 29.87             | 76.60                      | 5.10                          | 5.118         | 16.91              | 14.40                   |       |
| 7/23/02 12:00                      | 81.60              | 30.46             | 78.10                      | 5.18                          | 5.462         | 21.08              | 12.61                   |       |
| 7/23/02 12:30                      | 81.70              | 30.46             | 79.40                      | 5.26                          | 5.655         | 15.26              | 14.11                   |       |
| 7/23/02 13:00                      | 81.80              | 30.49             | 80.30                      | 5.32                          | 5.596         | 20.77              | 13.91                   |       |
| 7/23/02 13:30                      | 81.80              | 30.47             | 78.00                      | 5.16                          | 5.508         | 14.23              | 11.91                   |       |
| 7/23/02 14:00                      | 81.90              | 30.41             | 85.70                      | 5.67                          | 5.273         | 15.24              | 14.61                   |       |
| 7/23/02 14:30                      | 82.00              | 30.36             | 85.70                      | 5.67                          | 5.273         | 15.24              | 14.62                   |       |
| 7/23/02 15:00                      | 82.20              | 30.23             | 89.90                      | 5.94                          | 4.580         | 26.46              | 16.02                   |       |
| 7/23/02 15:30                      | 82.10              | 29.56             | 90.40                      | 6.00                          | 4.275         | 24.52              | 19.92                   |       |
| 7/23/02 16:00                      | 81.80              | 28.43             | 100.10                     | 6.70                          | 3.819         | 22.37              | 23.82                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES         |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|---------------|
| 7/23/02 16:30                      | 81.70              | 27.69             | 98.80                      | 6.65                          | 3.319         | 27.98              | 29.33                   |               |
| 7/23/02 17:00                      | 82.00              | 26.94             | 107.10                     | 7.22                          | 2.890         | 25.22              | 27.23                   |               |
| 7/23/02 17:30                      | 82.40              | 26.55             | 117.20                     | 7.88                          | 2.403         | 20.21              | 27.03                   |               |
| 7/23/02 18:00                      | 82.60              | 26.11             | 118.60                     | 7.98                          | 1.937         | 19.69              | 27.13                   |               |
| 7/23/02 18:30                      | 82.80              | 25.75             | 124.50                     | 8.38                          | 1.527         | 24.18              | 28.23                   |               |
| 7/23/02 19:00                      | 83.10              | 25.35             | 131.30                     | 8.84                          | 1.240         | 17.13              | 27.84                   |               |
| 7/23/02 19:30                      | 83.00              | 24.71             | 128.50                     | 8.68                          | 1.016         | 25.29              | 29.64                   |               |
| 7/23/02 20:00                      | 83.00              | 24.21             | 121.40                     | 8.22                          | 0.873         | 23.45              | 30.84                   |               |
| 7/23/02 20:30                      | 82.90              | 24.18             | 114.40                     | 7.76                          | 0.916         | 24.57              | 31.24                   |               |
| 7/23/02 21:00                      | 82.80              | 24.04             | 118.90                     | 8.08                          | 1.078         | 26.30              | 33.14                   |               |
| 7/23/02 21:30                      | 82.50              | 24.11             | 119.40                     | 8.13                          | 1.368         | 32.52              | 35.95                   |               |
| 7/23/02 22:00                      | 82.30              | 24.18             | 115.90                     | 7.91                          | 1.697         | 24.65              | 33.05                   |               |
| 7/23/02 22:30                      | 82.10              | 23.78             | 111.40                     | 7.62                          | 2.082         | 21.48              | 35.05                   |               |
| 7/23/02 23:00                      | 82.30              | 25.11             | 110.50                     | 7.50                          | 2.504         | 27.09              | 31.25                   |               |
| 7/23/02 23:30                      | 82.20              | 25.53             | 106.20                     | 7.19                          | 2.910         | 33.22              | 31.35                   |               |
| 7/24/02 0:00                       | 81.90              | 25.72             | 98.40                      | 6.68                          | 3.311         | 34.65              | 31.26                   |               |
| 7/24/02 0:30                       | 82.10              | 27.10             | 94.60                      | 6.36                          | 3.662         | 31.47              | 32.56                   |               |
| 7/24/02 1:00                       | 82.10              | 27.64             | 93.60                      | 6.27                          | 4.033         | 35.56              | 25.96                   |               |
| 7/24/02 1:30                       | 82.20              | 28.08             | 90.00                      | 6.02                          | 4.245         | 17.66              | 23.56                   |               |
| 7/24/02 2:00                       | 82.30              | 28.36             | 84.90                      | 5.66                          | 4.405         | 34.22              | 29.46                   |               |
| 7/24/02 2:30                       | 82.30              | 28.65             | 83.30                      | 5.55                          | 4.389         | 19.70              | 24.37                   |               |
| 7/24/02 3:00                       | 82.30              | 28.82             | 80.50                      | 5.35                          | 4.396         | 22.96              | 22.37                   |               |
| 7/24/02 3:30                       | 82.30              | 28.78             | 71.90                      | 4.78                          | 4.309         | 24.49              | 21.77                   |               |
| 7/24/02 4:00                       | 82.20              | 28.64             | 72.40                      | 4.82                          | 4.125         | 18.25              | 20.77                   |               |
| 7/24/02 4:30                       | 82.00              | 28.14             | 77.30                      | 5.17                          | 3.941         | 10.47              | 19.68                   |               |
| 7/24/02 5:00                       | 82.20              | 28.42             | 61.10                      | 4.08                          | 3.800         | 40.02              | 29.58                   |               |
| 7/24/02 5:30                       | 81.80              | 27.39             | 72.70                      | 4.89                          | 3.587         | 11.99              | 20.08                   |               |
| 7/24/02 6:00                       | 81.90              | 27.76             | 65.60                      | 4.40                          | 3.372         | 19.35              | 23.38                   |               |
| 7/24/02 6:30                       | 81.70              | 27.41             | 69.30                      | 4.67                          | 3.204         | 14.02              | 21.98                   |               |
| 7/24/02 7:00                       | 81.60              | 26.83             | 66.20                      | 4.48                          | 3.019         | 30.80              | 24.09                   |               |
| 7/24/02 7:30                       | 81.60              | 26.88             | 60.60                      | 4.10                          | 2.941         | 23.32              | 21.69                   |               |
| 7/24/02 8:00                       | 81.60              | 26.90             | 64.00                      | 4.33                          | 3.035         | 17.89              | 20.19                   |               |
| 7/24/02 8:30                       | 81.60              | 26.75             | 69.60                      | 4.71                          | 3.107         | 17.48              | 21.79                   |               |
| 7/24/02 9:00                       | 81.70              | 26.88             | 70.70                      | 4.77                          | 3.296         | 22.80              | 22.49                   |               |
| 7/24/02 9:30                       | 82.00              | 27.63             | 73.10                      | 4.90                          | 3.580         | 24.43              | 21.70                   |               |
| 7/24/02 10:00                      | 82.10              | 27.78             | 77.40                      | 5.18                          | 3.954         | 21.04              | 23.20                   |               |
| 7/24/02 10:30                      | 82.40              | 28.74             | 81.50                      | 5.44                          | 4.307         | 23.10              | 19.10                   | New<br>Sonde? |
| 7/24/02 11:00                      | 82.60              | 29.16             | 84.70                      | 5.63                          | 4.627         | 17.10              | 17.70                   |               |
| 7/24/02 11:30                      | 82.90              | 29.56             | 85.40                      | 5.64                          | 4.878         | 17.50              | 15.60                   |               |
| 7/24/02 12:00                      | 83.10              | 30.05             | 86.80                      | 5.71                          | 5.181         | 33.11              | 15.30                   |               |
| 7/24/02 12:30                      | 83.10              | 30.18             | 86.80                      | 5.70                          | 5.415         | 27.01              | 15.30                   |               |
| 7/24/02 13:00                      | 83.30              | 30.21             | 90.20                      | 5.91                          | 5.619         | 19.30              | 14.50                   |               |
| 7/24/02 13:30                      | 83.70              | 30.36             | 91.70                      | 5.99                          | 5.696         | 12.90              | 10.70                   |               |
| 7/24/02 14:00                      | 83.80              | 30.33             | 82.30                      | 5.37                          | 5.549         | 18.91              | 10.40                   |               |
| 7/24/02 14:30                      | 84.00              | 30.31             | 85.70                      | 5.59                          | 5.385         | 18.31              | 10.80                   |               |
| 7/24/02 15:00                      | 84.10              | 30.18             | 92.80                      | 6.04                          | 5.111         | 27.61              | 17.40                   |               |
| 7/24/02 15:30                      | 84.60              | 30.06             | 107.60                     | 6.98                          | 4.780         | 14.91              | 13.50                   |               |
| 7/24/02 16:00                      | 84.90              | 28.95             | 125.40                     | 8.17                          | 4.170         | 11.60              | 11.10                   |               |
| 7/24/02 16:30                      | 85.10              | 28.71             | 124.50                     | 8.11                          | 3.760         | 15.91              | 15.60                   |               |
| 7/24/02 17:00                      | 85.30              | 28.32             | 125.30                     | 8.17                          | 3.361         | 16.61              | 17.30                   |               |
| 7/24/02 17:30                      | 86.10              | 27.71             | 128.80                     | 8.36                          | 2.887         | 24.62              | 16.80                   |               |
| 7/24/02 18:00                      | 87.60              | 27.04             | 140.70                     | 9.05                          | 2.417         | 19.71              | 15.30                   |               |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyl<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|------------------------|-------|
| 7/24/02 18:30                      | 88.90              | 26.30             | 142.00                     | 9.07                          | 1.952         | 20.22              | 14.30                  |       |
| 7/24/02 19:00                      | 88.50              | 25.87             | 141.60                     | 9.09                          | 1.560         | 24.92              | 18.20                  |       |
| 7/24/02 19:30                      | 88.10              | 25.51             | 132.30                     | 8.54                          | 1.192         | 33.04              | 21.10                  |       |
| 7/24/02 20:00                      | 88.10              | 25.10             | 124.70                     | 8.07                          | 0.868         | 40.85              | 23.40                  |       |
| 7/24/02 20:30                      | 88.00              | 24.73             | 117.50                     | 7.63                          | 0.680         | 38.25              | 23.50                  |       |
| 7/24/02 21:00                      | 87.70              | 24.86             | 109.90                     | 7.15                          | 0.730         | 34.74              | 22.30                  |       |
| 7/24/02 21:30                      | 87.20              | 24.85             | 118.80                     | 7.76                          | 0.886         | 27.93              | 22.20                  |       |
| 7/24/02 22:00                      | 87.10              | 24.99             | 117.30                     | 7.66                          | 1.051         | 29.74              | 22.50                  |       |
| 7/24/02 22:30                      | 86.70              | 25.30             | 114.60                     | 7.50                          | 1.472         | 49.28              | 23.80                  |       |
| 7/24/02 23:00                      | 87.20              | 24.94             | 106.90                     | 6.98                          | 1.846         | 44.37              | 25.20                  |       |
| 7/24/02 23:30                      | 87.10              | 25.36             | 109.50                     | 7.14                          | 2.135         | 38.06              | 23.00                  |       |
| 7/25/02 0:00                       | 86.80              | 25.76             | 108.60                     | 7.09                          | 2.463         | 38.56              | 23.40                  |       |
| 7/25/02 0:30                       | 86.40              | 26.05             | 106.80                     | 6.99                          | 2.862         | 25.04              | 17.70                  |       |
| 7/25/02 1:00                       | 86.10              | 26.70             | 104.30                     | 6.81                          | 3.284         | 32.36              | 18.20                  |       |
| 7/25/02 1:30                       | 85.80              | 27.78             | 106.50                     | 6.94                          | 3.652         | 117.15             | 22.90                  |       |
| 7/25/02 2:00                       | 85.60              | 28.05             | 106.40                     | 6.93                          | 3.983         | 25.24              | 15.80                  |       |
| 7/25/02 2:30                       | 85.50              | 28.40             | 104.40                     | 6.79                          | 4.167         | 21.63              | 14.20                  |       |
| 7/25/02 3:00                       | 85.50              | 28.66             | 102.70                     | 6.68                          | 4.251         | 16.42              | 12.70                  |       |
| 7/25/02 3:30                       | 85.40              | 28.69             | 100.00                     | 6.50                          | 4.176         | 28.96              | 14.20                  |       |
| 7/25/02 4:00                       | 85.30              | 28.58             | 92.30                      | 6.01                          | 4.010         | 13.62              | 10.89                  |       |
| 7/25/02 4:30                       | 85.30              | 28.35             | 91.00                      | 5.93                          | 3.860         | 14.52              | 11.79                  |       |
| 7/25/02 5:00                       | 85.10              | 28.29             | 89.00                      | 5.82                          | 3.826         | 20.14              | 10.89                  |       |
| 7/25/02 5:30                       | 85.00              | 28.24             | 86.10                      | 5.63                          | 3.569         | 19.54              | 11.99                  |       |
| 7/25/02 6:00                       | 84.90              | 27.67             | 85.90                      | 5.64                          | 3.248         | 17.33              | 12.39                  |       |
| 7/25/02 6:30                       | 84.90              | 27.58             | 80.50                      | 5.29                          | 3.013         | 24.45              | 13.99                  |       |
| 7/25/02 7:00                       | 84.70              | 27.10             | 74.90                      | 4.95                          | 2.752         | 20.24              | 14.89                  |       |
| 7/25/02 7:30                       | 84.60              | 27.01             | 68.20                      | 4.51                          | 2.634         | 17.63              | 13.89                  |       |
| 7/25/02 8:00                       | 84.50              | 26.82             | 64.50                      | 4.27                          | 2.481         | 20.34              | 15.59                  |       |
| 7/25/02 8:30                       | 84.50              | 26.79             | 60.30                      | 3.99                          | 2.488         | 24.66              | 15.79                  |       |
| 7/25/02 9:00                       | 84.70              | 27.03             | 70.30                      | 4.65                          | 2.653         | 27.17              | 15.39                  |       |
| 7/25/02 9:30                       | 84.80              | 27.12             | 80.30                      | 5.30                          | 2.850         | 22.85              | 17.19                  |       |
| 7/25/02 10:00                      | 85.20              | 27.32             | 83.80                      | 5.50                          | 3.056         | 26.37              | 14.49                  |       |
| 7/25/02 10:30                      | 85.40              | 27.91             | 87.60                      | 5.73                          | 3.460         | 25.27              | 15.79                  |       |
| 7/25/02 11:00                      | 85.50              | 28.25             | 91.30                      | 5.95                          | 3.793         | 21.15              | 15.29                  |       |
| 7/25/02 11:30                      | 85.70              | 28.43             | 94.60                      | 6.15                          | 4.160         | 22.56              | 14.89                  |       |
| 7/25/02 12:00                      | 85.80              | 28.96             | 98.30                      | 6.37                          | 4.445         | 18.14              | 13.09                  |       |
| 7/25/02 12:30                      | 85.90              | 29.29             | 97.60                      | 6.30                          | 4.800         | 21.76              | 12.59                  |       |
| 7/25/02 13:00                      | 85.90              | 29.66             | 106.40                     | 6.86                          | 5.112         | 31.00              | 11.09                  |       |
| 7/25/02 13:30                      | 85.90              | 29.81             | 107.10                     | 6.89                          | 5.330         | 16.44              | 8.99                   |       |
| 7/25/02 14:00                      | 86.10              | 30.02             | 105.30                     | 6.76                          | 5.322         | 14.23              | 10.39                  |       |
| 7/25/02 14:30                      | 86.30              | 30.10             | 105.10                     | 6.74                          | 5.321         | 13.93              | 9.59                   |       |
| 7/25/02 15:00                      | 86.70              | 30.11             | 103.00                     | 6.58                          | 5.182         | 12.32              | 7.99                   |       |
| 7/25/02 15:30                      | 86.60              | 29.95             | 106.00                     | 6.78                          | 4.923         | 17.04              | 9.49                   |       |
| 7/25/02 16:00                      | 87.30              | 29.74             | 111.10                     | 7.07                          | 4.563         | 15.74              | 11.99                  |       |
| 7/25/02 16:30                      | 88.10              | 29.55             | 112.70                     | 7.13                          | 4.297         | 13.23              | 9.79                   |       |
| 7/25/02 17:00                      | 88.60              | 29.02             | 114.80                     | 7.25                          | 3.942         | 14.43              | 12.69                  |       |
| 7/25/02 17:30                      | 88.20              | 28.71             | 111.10                     | 7.05                          | 3.508         | 18.95              | 15.49                  |       |
| 7/25/02 18:00                      | 88.50              | 28.24             | 107.70                     | 6.84                          | 3.053         | 20.76              | 15.79                  |       |
| 7/25/02 18:30                      | 88.80              | 27.65             | 111.30                     | 7.07                          | 2.557         | 26.90              | 16.39                  |       |
| 7/25/02 19:00                      | 88.80              | 27.30             | 111.70                     | 7.11                          | 2.108         | 16.55              | 15.29                  |       |
| 7/25/02 19:30                      | 88.80              | 27.26             | 109.20                     | 6.95                          | 1.701         | 14.23              | 15.89                  |       |
| 7/25/02 20:00                      | 88.60              | 27.19             | 101.50                     | 6.48                          | 1.385         | 24.39              | 16.99                  |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyl<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|------------------------|-------|
| 7/25/02 20:30                      | 88.40              | 26.98             | 98.10                      | 6.28                          | 1.034         | 17.65              | 17.59                  |       |
| 7/25/02 21:00                      | 88.10              | 26.93             | 96.90                      | 6.22                          | 0.836         | 16.15              | 17.39                  |       |
| 7/25/02 21:30                      | 87.90              | 26.82             | 85.70                      | 5.51                          | 0.822         | 25.40              | 18.89                  |       |
| 7/25/02 22:00                      | 87.90              | 26.38             | 85.80                      | 5.54                          | 0.999         | 22.68              | 19.19                  |       |
| 7/25/02 22:30                      | 87.90              | 26.44             | 90.20                      | 5.82                          | 1.234         | 31.94              | 22.19                  |       |
| 7/25/02 23:00                      | 87.80              | 26.49             | 91.30                      | 5.90                          | 1.543         | 22.08              | 20.79                  |       |
| 7/25/02 23:30                      | 87.80              | 26.64             | 92.50                      | 5.97                          | 1.981         | 24.30              | 19.79                  |       |
| 7/26/02 0:00                       | 87.90              | 27.13             | 91.70                      | 5.90                          | 2.346         | 30.13              | 18.39                  |       |
| 7/26/02 0:30                       | 87.70              | 27.16             | 93.50                      | 6.02                          | 2.753         | 29.63              | 18.79                  |       |
| 7/26/02 1:00                       | 87.70              | 27.46             | 96.40                      | 6.20                          | 3.221         | 35.37              | 19.99                  |       |
| 7/26/02 1:30                       | 87.40              | 28.06             | 94.50                      | 6.07                          | 3.685         | 58.30              | 20.59                  |       |
| 7/26/02 2:00                       | 87.00              | 28.74             | 97.80                      | 6.28                          | 4.029         | 27.12              | 15.69                  |       |
| 7/26/02 2:30                       | 86.90              | 29.05             | 93.50                      | 6.00                          | 4.162         | 21.79              | 14.29                  |       |
| 7/26/02 3:00                       | 86.80              | 29.06             | 89.40                      | 5.74                          | 4.064         | 31.85              | 14.99                  |       |
| 7/26/02 3:30                       | 86.60              | 29.15             | 90.10                      | 5.79                          | 4.243         | 17.06              | 14.49                  |       |
| 7/26/02 4:00                       | 86.50              | 29.22             | 86.80                      | 5.59                          | 4.139         | 16.56              | 12.69                  |       |
| 7/26/02 4:30                       | 86.40              | 29.25             | 85.10                      | 5.48                          | 4.170         | 17.06              | 11.79                  |       |
| 7/26/02 5:00                       | 86.40              | 29.17             | 81.10                      | 5.22                          | 3.971         | 19.38              | 12.89                  |       |
| 7/26/02 5:30                       | 86.10              | 29.19             | 79.10                      | 5.11                          | 3.763         | 19.48              | 12.09                  |       |
| 7/26/02 6:00                       | 86.00              | 29.06             | 78.70                      | 5.09                          | 3.592         | 22.50              | 12.59                  |       |
| 7/26/02 6:30                       | 85.90              | 28.79             | 76.40                      | 4.96                          | 3.417         | 19.58              | 13.79                  |       |
| 7/26/02 7:00                       | 85.90              | 28.56             | 70.90                      | 4.61                          | 3.240         | 20.59              | 13.79                  |       |
| 7/26/02 7:30                       | 85.80              | 28.38             | 67.30                      | 4.38                          | 3.056         | 25.63              | 14.39                  |       |
| 7/26/02 8:00                       | 85.70              | 27.99             | 68.30                      | 4.46                          | 2.772         | 30.46              | 15.39                  |       |
| 7/26/02 8:30                       | 85.50              | 27.41             | 62.70                      | 4.12                          | 2.491         | 27.14              | 16.09                  |       |
| 7/26/02 9:00                       | 85.10              | 27.18             | 58.90                      | 3.89                          | 2.408         | 27.24              | 16.99                  |       |
| 7/26/02 9:30                       | 85.20              | 27.19             | 61.60                      | 4.06                          | 2.366         | 23.42              | 16.59                  |       |
| 7/26/02 10:00                      | 85.50              | 27.43             | 67.10                      | 4.40                          | 2.491         | 29.96              | 17.19                  |       |
| 7/26/02 10:30                      | 85.80              | 28.01             | 79.80                      | 5.21                          | 2.739         | 33.79              | 16.59                  |       |
| 7/26/02 11:00                      | 86.30              | 28.33             | 91.50                      | 5.93                          | 3.124         | 22.51              | 17.49                  |       |
| 7/26/02 11:30                      | 86.50              | 28.85             | 97.80                      | 6.31                          | 3.466         | 21.40              | 14.19                  |       |
| 7/26/02 12:00                      | 86.50              | 29.18             | 96.00                      | 6.18                          | 3.884         | 24.23              | 14.89                  |       |
| 7/26/02 12:30                      | 86.40              | 29.46             | 97.10                      | 6.25                          | 4.229         | 26.34              | 15.19                  |       |
| 7/26/02 13:00                      | 86.40              | 30.29             | 95.50                      | 6.11                          | 4.561         | 26.95              | 13.79                  |       |
| 7/26/02 13:30                      | 86.50              | 30.74             | 103.00                     | 6.57                          | 4.865         | 28.26              | 11.79                  |       |
| 7/26/02 14:00                      | 87.00              | 31.13             | 113.80                     | 7.21                          | 5.098         | 4.98               | 6.49                   |       |
| 7/26/02 14:30                      | 87.20              | 31.16             | 115.70                     | 7.32                          | 5.218         | 5.18               | 7.19                   |       |
| 7/26/02 15:00                      | 87.40              | 31.19             | 116.50                     | 7.36                          | 5.228         | 5.08               | 6.48                   |       |
| 7/26/02 15:30                      | 87.60              | 31.21             | 118.00                     | 7.44                          | 5.258         | 2.86               | 5.78                   |       |
| 7/26/02 16:00                      | 87.80              | 31.25             | 118.00                     | 7.43                          | 5.019         | 11.33              | 6.08                   |       |
| 7/26/02 16:30                      | 88.20              | 31.26             | 119.60                     | 7.51                          | 4.701         | 9.82               | 7.98                   |       |
| 7/26/02 17:00                      | 88.40              | 31.03             | 120.70                     | 7.58                          | 4.391         | 13.15              | 8.98                   |       |
| 7/26/02 17:30                      | 88.80              | 30.69             | 118.90                     | 7.45                          | 4.018         | 23.94              | 11.88                  |       |
| 7/26/02 18:00                      | 89.10              | 30.21             | 118.00                     | 7.40                          | 3.723         | 25.15              | 15.18                  |       |
| 7/26/02 18:30                      | 89.30              | 29.53             | 117.90                     | 7.39                          | 3.215         | 31.91              | 16.08                  |       |
| 7/26/02 19:00                      | 89.90              | 28.91             | 120.50                     | 7.55                          | 2.796         | 21.02              | 15.48                  |       |
| 7/26/02 19:30                      | 89.90              | 28.56             | 121.70                     | 7.64                          | 2.331         | 14.66              | 17.48                  |       |
| 7/26/02 20:00                      | 90.00              | 28.22             | 119.90                     | 7.54                          | 1.892         | 26.27              | 16.58                  |       |
| 7/26/02 20:30                      | 89.90              | 28.08             | 117.10                     | 7.37                          | 1.557         | 30.40              | 18.18                  |       |
| 7/26/02 21:00                      | 89.90              | 27.76             | 112.90                     | 7.12                          | 1.251         | 34.95              | 19.78                  |       |
| 7/26/02 21:30                      | 89.90              | 27.33             | 102.20                     | 6.46                          | 1.010         | 22.74              | 20.08                  |       |
| 7/26/02 22:00                      | 89.60              | 27.16             | 83.10                      | 5.27                          | 0.854         | 25.26              | 19.78                  |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/26/02 22:30                      | 89.30              | 27.13             | 76.00                      | 4.84                          | 0.958         | 20.32              | 18.68                   |       |
| 7/26/02 23:00                      | 89.00              | 27.47             | 100.50                     | 6.40                          | 1.301         | 35.76              | 21.18                   |       |
| 7/26/02 23:30                      | 88.70              | 27.54             | 97.00                      | 6.19                          | 1.558         | 28.19              | 18.68                   |       |
| 7/27/02 0:00                       | 88.80              | 27.58             | 95.50                      | 6.09                          | 1.885         | 29.10              | 18.28                   |       |
| 7/27/02 0:30                       | 88.70              | 28.20             | 97.40                      | 6.20                          | 2.285         | 28.60              | 16.78                   |       |
| 7/27/02 1:00                       | 88.70              | 28.40             | 95.30                      | 6.05                          | 2.697         | 38.50              | 17.78                   |       |
| 7/27/02 1:30                       | 88.30              | 28.60             | 96.70                      | 6.16                          | 3.137         | 29.01              | 18.48                   |       |
| 7/27/02 2:00                       | 88.10              | 29.38             | 96.50                      | 6.13                          | 3.468         | 42.24              | 18.88                   |       |
| 7/27/02 2:30                       | 87.60              | 29.98             | 102.70                     | 6.53                          | 3.805         | 19.22              | 11.68                   |       |
| 7/27/02 3:00                       | 87.40              | 30.40             | 103.80                     | 6.60                          | 4.087         | 19.82              | 10.88                   |       |
| 7/27/02 3:30                       | 87.30              | 30.73             | 104.60                     | 6.65                          | 4.268         | 19.52              | 9.68                    |       |
| 7/27/02 4:00                       | 87.20              | 30.97             | 104.50                     | 6.64                          | 4.322         | 11.54              | 7.58                    |       |
| 7/27/02 4:30                       | 87.10              | 31.09             | 99.30                      | 6.30                          | 4.328         | 10.53              | 6.98                    |       |
| 7/27/02 5:00                       | 87.00              | 31.12             | 97.60                      | 6.20                          | 4.250         | 3.06               | 6.28                    |       |
| 7/27/02 5:30                       | 86.80              | 31.05             | 95.20                      | 6.07                          | 4.110         | 3.96               | 6.38                    |       |
| 7/27/02 6:00                       | 86.60              | 30.62             | 88.50                      | 5.66                          | 3.871         | 8.01               | 8.28                    |       |
| 7/27/02 6:30                       | 86.40              | 30.25             | 81.90                      | 5.26                          | 3.653         | 17.71              | 11.28                   |       |
| 7/27/02 7:00                       | 86.30              | 30.02             | 78.30                      | 5.04                          | 3.442         | 12.55              | 10.18                   |       |
| 7/27/02 7:30                       | 86.20              | 29.66             | 72.90                      | 4.71                          | 3.179         | 13.36              | 10.78                   |       |
| 7/27/02 8:00                       | 85.90              | 29.12             | 67.70                      | 4.39                          | 2.904         | 23.37              | 13.38                   |       |
| 7/27/02 8:30                       | 85.80              | 28.92             | 63.30                      | 4.12                          | 2.730         | 16.40              | 14.68                   |       |
| 7/27/02 9:00                       | 85.70              | 28.54             | 61.30                      | 4.00                          | 2.521         | 16.30              | 15.38                   |       |
| 7/27/02 9:30                       | 85.70              | 28.44             | 58.30                      | 3.81                          | 2.437         | 22.36              | 15.58                   |       |
| 7/27/02 10:00                      | 86.10              | 28.70             | 58.00                      | 3.76                          | 2.455         | 27.01              | 14.98                   |       |
| 7/27/02 10:30                      | 86.10              | 28.76             | 64.80                      | 4.21                          | 2.580         | 28.03              | 17.98                   |       |
| 7/27/02 11:00                      | 86.50              | 29.14             | 78.70                      | 5.08                          | 2.756         | 21.66              | 14.28                   |       |
| 7/27/02 11:30                      | 87.30              | 29.56             | 91.00                      | 5.82                          | 3.060         | 25.30              | 14.98                   |       |
| 7/27/02 12:00                      | 87.60              | 30.06             | 97.90                      | 6.23                          | 3.389         | 20.65              | 12.88                   |       |
| 7/27/02 12:30                      | 87.60              | 30.41             | 99.10                      | 6.30                          | 3.700         | 21.96              | 11.18                   |       |
| 7/27/02 13:00                      | 87.50              | 30.62             | 100.20                     | 6.36                          | 4.008         | 23.18              | 12.48                   |       |
| 7/27/02 13:30                      | 87.50              | 31.00             | 99.90                      | 6.33                          | 4.401         | 22.78              | 12.48                   |       |
| 7/27/02 14:00                      | 87.90              | 31.43             | 102.00                     | 6.43                          | 4.642         | 19.54              | 13.38                   |       |
| 7/27/02 14:30                      | 87.90              | 31.74             | 92.00                      | 5.79                          | 4.872         | 13.57              | 7.08                    |       |
| 7/27/02 15:00                      | 88.20              | 31.77             | 106.40                     | 6.67                          | 5.009         | 12.56              | 6.18                    |       |
| 7/27/02 15:30                      | 88.50              | 31.82             | 109.30                     | 6.84                          | 5.072         | 6.89               | 6.88                    |       |
| 7/27/02 16:00                      | 88.60              | 31.84             | 108.10                     | 6.75                          | 5.065         | 4.87               | 5.88                    |       |
| 7/27/02 16:30                      | 88.70              | 31.82             | 102.50                     | 6.40                          | 4.890         | 8.82               | 6.08                    |       |
| 7/27/02 17:00                      | 88.90              | 31.79             | 107.70                     | 6.71                          | 4.639         | 12.56              | 6.78                    |       |
| 7/27/02 17:30                      | 89.10              | 31.71             | 110.40                     | 6.87                          | 4.396         | 15.50              | 7.68                    |       |
| 7/27/02 18:00                      | 89.30              | 31.49             | 112.70                     | 7.01                          | 4.074         | 22.38              | 8.58                    |       |
| 7/27/02 18:30                      | 89.60              | 31.18             | 108.70                     | 6.76                          | 3.636         | 10.94              | 9.58                    |       |
| 7/27/02 19:00                      | 89.80              | 30.87             | 109.60                     | 6.81                          | 3.256         | 12.87              | 12.98                   |       |
| 7/27/02 19:30                      | 90.00              | 30.34             | 107.10                     | 6.66                          | 2.854         | 22.38              | 13.78                   |       |
| 7/27/02 20:00                      | 90.10              | 29.82             | 108.80                     | 6.79                          | 2.452         | 15.20              | 14.28                   |       |
| 7/27/02 20:30                      | 90.00              | 29.53             | 105.70                     | 6.61                          | 2.037         | 13.17              | 15.68                   |       |
| 7/27/02 21:00                      | 89.60              | 29.70             | 96.80                      | 6.07                          | 1.705         | 24.82              | 14.38                   |       |
| 7/27/02 21:30                      | 89.30              | 29.46             | 93.80                      | 5.91                          | 1.406         | 28.47              | 15.18                   |       |
| 7/27/02 22:00                      | 89.00              | 29.25             | 85.80                      | 5.42                          | 1.227         | 20.77              | 14.48                   |       |
| 7/27/02 22:30                      | 88.90              | 29.00             | 83.30                      | 5.28                          | 1.161         | 20.97              | 15.28                   |       |
| 7/27/02 23:00                      | 88.60              | 29.05             | 77.00                      | 4.89                          | 1.273         | 24.01              | 15.38                   |       |
| 7/27/02 23:30                      | 88.90              | 28.78             | 90.60                      | 5.75                          | 1.545         | 19.56              | 18.08                   |       |
| 7/28/02 0:00                       | 88.70              | 28.89             | 90.40                      | 5.74                          | 1.802         | 32.43              | 18.38                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/28/02 0:30                       | 88.70              | 29.30             | 90.60                      | 5.74                          | 2.078         | 29.29              | 15.88                   |       |
| 7/28/02 1:00                       | 88.70              | 29.72             | 88.70                      | 5.61                          | 2.449         | 29.39              | 14.38                   |       |
| 7/28/02 1:30                       | 88.50              | 29.90             | 89.80                      | 5.68                          | 2.893         | 36.79              | 14.07                   |       |
| 7/28/02 2:00                       | 88.50              | 30.17             | 88.80                      | 5.61                          | 3.260         | 36.08              | 14.67                   |       |
| 7/28/02 2:30                       | 88.30              | 30.69             | 92.20                      | 5.82                          | 3.610         | 26.96              | 12.27                   |       |
| 7/28/02 3:00                       | 87.90              | 31.41             | 97.90                      | 6.17                          | 3.908         | 20.37              | 9.47                    |       |
| 7/28/02 3:30                       | 87.90              | 31.53             | 96.70                      | 6.09                          | 4.146         | 14.80              | 8.57                    |       |
| 7/28/02 4:00                       | 87.80              | 31.90             | 100.50                     | 6.33                          | 4.336         | 5.07               | 5.77                    |       |
| 7/28/02 4:30                       | 87.70              | 31.95             | 98.90                      | 6.23                          | 4.384         | 7.40               | 5.97                    |       |
| 7/28/02 5:00                       | 87.60              | 31.90             | 96.50                      | 6.09                          | 4.432         | 0.20               | 5.37                    |       |
| 7/28/02 5:30                       | 87.60              | 31.87             | 85.90                      | 5.42                          | 4.298         | 3.14               | 4.97                    |       |
| 7/28/02 6:00                       | 87.40              | 31.85             | 89.90                      | 5.68                          | 4.165         | 3.44               | 5.77                    |       |
| 7/28/02 6:30                       | 87.30              | 31.62             | 87.40                      | 5.54                          | 4.013         | 4.76               | 6.97                    |       |
| 7/28/02 7:00                       | 87.30              | 31.25             | 78.50                      | 4.99                          | 3.776         | 6.69               | 7.57                    |       |
| 7/28/02 7:30                       | 87.00              | 30.89             | 70.10                      | 4.47                          | 3.474         | 9.83               | 9.27                    |       |
| 7/28/02 8:00                       | 87.00              | 30.63             | 65.30                      | 4.17                          | 3.166         | 13.59              | 11.07                   |       |
| 7/28/02 8:30                       | 86.70              | 30.33             | 59.80                      | 3.84                          | 2.865         | 23.23              | 14.47                   |       |
| 7/28/02 9:00                       | 86.70              | 30.18             | 53.50                      | 3.44                          | 2.636         | 22.31              | 13.27                   |       |
| 7/28/02 9:30                       | 86.40              | 29.85             | 52.00                      | 3.36                          | 2.429         | 27.79              | 14.27                   |       |
| 7/28/02 10:00                      | 86.30              | 29.67             | 54.50                      | 3.52                          | 2.234         | 33.48              | 16.07                   |       |
| 7/28/02 10:30                      | 86.30              | 29.66             | 53.60                      | 3.46                          | 2.244         | 17.85              | 15.37                   |       |
| 7/28/02 11:00                      | 86.40              | 29.67             | 55.80                      | 3.60                          | 2.282         | 30.13              | 16.17                   |       |
| 7/28/02 11:30                      | 86.70              | 29.74             | 61.10                      | 3.93                          | 2.414         | 30.03              | 18.17                   |       |
| 7/28/02 12:00                      | 87.40              | 29.76             | 67.60                      | 4.32                          | 2.726         | 30.04              | 17.97                   |       |
| 7/28/02 12:30                      | 87.70              | 30.16             | 73.00                      | 4.65                          | 3.017         | 271.54             | 17.67                   |       |
| 7/28/02 13:00                      | 88.40              | 30.55             | 89.10                      | 5.63                          | 3.290         | 35.93              | 16.87                   |       |
| 7/28/02 13:30                      | 88.60              | 30.87             | 93.40                      | 5.87                          | 3.627         | 28.01              | 14.17                   |       |
| 7/28/02 14:00                      | 88.80              | 31.25             | 97.30                      | 6.10                          | 3.967         | 25.17              | 12.97                   |       |
| 7/28/02 14:30                      | 88.60              | 31.55             | 99.30                      | 6.23                          | 4.295         | 27.61              | 12.57                   |       |
| 7/28/02 15:00                      | 88.70              | 31.77             | 102.40                     | 6.41                          | 4.592         | 12.58              | 10.37                   |       |
| 7/28/02 15:30                      | 88.70              | 31.95             | 101.10                     | 6.32                          | 4.752         | 11.16              | 10.47                   |       |
| 7/28/02 16:00                      | 88.60              | 32.11             | 101.40                     | 6.34                          | 4.791         | 11.36              | 10.37                   |       |
| 7/28/02 16:30                      | 88.40              | 32.17             | 91.30                      | 5.71                          | 4.741         | 7.50               | 7.77                    |       |
| 7/28/02 17:00                      | 88.40              | 32.11             | 94.50                      | 5.92                          | 4.653         | 14.71              | 8.87                    |       |
| 7/28/02 17:30                      | 88.30              | 31.94             | 92.80                      | 5.82                          | 4.490         | 8.52               | 10.37                   |       |
| 7/28/02 18:00                      | 88.30              | 31.80             | 90.80                      | 5.71                          | 4.368         | 10.45              | 9.27                    |       |
| 7/28/02 18:30                      | 88.30              | 31.65             | 93.80                      | 5.90                          | 3.991         | 14.82              | 10.57                   |       |
| 7/28/02 19:00                      | 88.60              | 31.29             | 90.30                      | 5.67                          | 3.569         | 24.37              | 11.17                   |       |
| 7/28/02 19:30                      | 88.60              | 30.81             | 85.50                      | 5.39                          | 3.168         | 22.74              | 15.17                   |       |
| 7/28/02 20:00                      | 88.60              | 30.38             | 82.50                      | 5.21                          | 2.777         | 26.20              | 19.47                   |       |
| 7/28/02 20:30                      | 88.40              | 30.21             | 78.50                      | 4.97                          | 2.430         | 26.81              | 18.67                   |       |
| 7/28/02 21:00                      | 88.10              | 30.24             | 69.90                      | 4.44                          | 2.091         | 22.95              | 17.17                   |       |
| 7/28/02 21:30                      | 87.90              | 30.18             | 69.50                      | 4.42                          | 1.785         | 25.60              | 15.57                   |       |
| 7/28/02 22:00                      | 87.70              | 29.99             | 72.40                      | 4.62                          | 1.509         | 18.07              | 17.07                   |       |
| 7/28/02 22:30                      | 87.40              | 29.91             | 66.10                      | 4.23                          | 1.355         | 31.09              | 19.07                   |       |
| 7/28/02 23:00                      | 87.30              | 29.85             | 58.40                      | 3.74                          | 1.302         | 16.55              | 15.07                   |       |
| 7/28/02 23:30                      | 87.10              | 29.84             | 63.60                      | 4.08                          | 1.398         | 28.24              | 17.77                   |       |
| 7/29/02 0:00                       | 87.00              | 29.79             | 69.10                      | 4.44                          | 1.644         | 31.09              | 38.07                   |       |
| 7/29/02 0:30                       | 86.90              | 29.86             | 73.70                      | 4.74                          | 2.009         | 34.86              | 19.57                   |       |
| 7/29/02 1:00                       | 87.10              | 30.22             | 67.30                      | 4.31                          | 2.346         | 24.28              | 16.47                   |       |
| 7/29/02 1:30                       | 87.20              | 30.45             | 69.80                      | 4.47                          | 2.728         | 40.76              | 15.07                   |       |
| 7/29/02 2:00                       | 87.10              | 30.56             | 72.70                      | 4.65                          | 3.097         | 25.00              | 14.47                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyl<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|------------------------|-------|
| 7/29/02 2:30                       | 87.30              | 31.17             | 75.50                      | 4.80                          | 3.511         | 30.70              | 13.07                  |       |
| 7/29/02 3:00                       | 87.10              | 31.44             | 77.20                      | 4.91                          | 3.852         | 28.56              | 11.97                  |       |
| 7/29/02 3:30                       | 87.00              | 31.82             | 83.30                      | 5.30                          | 4.103         | 16.66              | 9.87                   |       |
| 7/29/02 4:00                       | 86.80              | 32.40             | 88.10                      | 5.59                          | 4.370         | 4.65               | 6.77                   |       |
| 7/29/02 4:30                       | 86.80              | 32.35             | 86.20                      | 5.47                          | 4.407         | 6.69               | 6.57                   |       |
| 7/29/02 5:00                       | 86.70              | 32.29             | 86.20                      | 5.48                          | 4.551         | 4.45               | 6.37                   |       |
| 7/29/02 5:30                       | 86.70              | 32.29             | 76.90                      | 4.89                          | 4.534         | 5.77               | 6.37                   |       |
| 7/29/02 6:00                       | 86.60              | 32.27             | 74.60                      | 4.75                          | 4.464         | 4.14               | 6.37                   |       |
| 7/29/02 6:30                       | 86.40              | 32.31             | 76.10                      | 4.85                          | 4.251         | 7.60               | 6.07                   |       |
| 7/29/02 7:00                       | 86.20              | 32.29             | 72.70                      | 4.64                          | 4.011         | 5.36               | 6.57                   |       |
| 7/29/02 7:30                       | 86.00              | 31.99             | 69.60                      | 4.46                          | 3.841         | 6.08               | 7.17                   |       |
| 7/29/02 8:00                       | 85.90              | 31.56             | 58.00                      | 3.73                          | 3.557         | 11.98              | 9.37                   |       |
| 7/29/02 8:30                       | 85.90              | 31.42             | 56.40                      | 3.63                          | 3.334         | 10.86              | 10.27                  |       |
| 7/29/02 9:00                       | 85.80              | 31.17             | 53.60                      | 3.46                          | 3.116         | 24.91              | 10.57                  |       |
| 7/29/02 9:30                       | 85.70              | 30.92             | 51.20                      | 3.31                          | 2.821         | 27.16              | 13.67                  |       |
| 7/29/02 10:00                      | 85.60              | 30.67             | 49.70                      | 3.22                          | 2.569         | 26.85              | 14.07                  |       |
| 7/29/02 10:30                      | 85.70              | 30.54             | 53.40                      | 3.46                          | 2.451         | 37.85              | 14.47                  |       |
| 7/29/02 11:00                      | 85.70              | 30.49             | 52.60                      | 3.41                          | 2.381         | 24.92              | 15.07                  |       |
| 7/29/02 11:30                      | 85.90              | 30.50             | 53.80                      | 3.48                          | 2.466         | 35.11              | 16.87                  |       |
| 7/29/02 12:00                      | 85.90              | 30.60             | 54.30                      | 3.51                          | 2.581         | 39.69              | 16.27                  |       |
| 7/29/02 12:30                      | 86.50              | 30.77             | 67.40                      | 4.33                          | 2.739         | 31.14              | 18.16                  |       |
| 7/29/02 13:00                      | 87.30              | 30.96             | 83.40                      | 5.32                          | 3.030         | 35.32              | 18.56                  |       |
| 7/29/02 13:30                      | 87.90              | 31.34             | 88.10                      | 5.58                          | 3.319         | 29.61              | 16.56                  |       |
| 7/29/02 14:00                      | 87.50              | 31.73             | 83.70                      | 5.31                          | 3.723         | 29.41              | 15.16                  |       |
| 7/29/02 14:30                      | 87.90              | 31.93             | 88.80                      | 5.61                          | 3.999         | 35.02              | 16.06                  |       |
| 7/29/02 15:00                      | 87.70              | 32.12             | 90.60                      | 5.72                          | 4.104         | 24.32              | 14.76                  |       |
| 7/29/02 15:30                      | 87.80              | 32.44             | 91.90                      | 5.78                          | 4.364         | 18.51              | 14.86                  |       |
| 7/29/02 16:00                      | 87.90              | 32.55             | 93.40                      | 5.88                          | 4.524         | 19.33              | 13.06                  |       |
| 7/29/02 16:30                      | 88.10              | 32.65             | 98.40                      | 6.17                          | 4.720         | 21.06              | 12.96                  |       |
| 7/29/02 17:00                      | 88.00              | 32.72             | 90.90                      | 5.71                          | 4.669         | 42.27              | 10.76                  |       |
| 7/29/02 17:30                      | 88.00              | 32.72             | 87.20                      | 5.47                          | 4.613         | 18.82              | 12.66                  |       |
| 7/29/02 18:00                      | 88.20              | 32.68             | 89.60                      | 5.62                          | 4.491         | 22.39              | 11.66                  |       |
| 7/29/02 18:30                      | 88.60              | 32.65             | 96.20                      | 6.01                          | 4.323         | 13.01              | 10.86                  |       |
| 7/29/02 19:00                      | 89.00              | 32.58             | 103.60                     | 6.45                          | 4.164         | 8.62               | 10.06                  |       |
| 7/29/02 19:30                      | 89.10              | 32.51             | 98.40                      | 6.13                          | 3.936         | 26.47              | 11.46                  |       |
| 7/29/02 20:00                      | 89.30              | 32.28             | 98.70                      | 6.15                          | 3.579         | 14.13              | 12.26                  |       |
| 7/29/02 20:30                      | 89.70              | 31.80             | 104.70                     | 6.52                          | 3.212         | 23.21              | 15.16                  |       |
| 7/29/02 21:00                      | 89.40              | 31.36             | 110.20                     | 6.89                          | 2.857         | 21.48              | 17.26                  |       |
| 7/29/02 21:30                      | 89.00              | 31.35             | 92.80                      | 5.82                          | 2.498         | 41.68              | 20.96                  |       |
| 7/29/02 22:00                      | 89.30              | 31.01             | 88.90                      | 5.57                          | 2.376         | 35.46              | 18.36                  |       |
| 7/29/02 22:30                      | 89.40              | 30.79             | 89.40                      | 5.61                          | 2.093         | 219.95             | 17.96                  |       |
| 7/29/02 23:00                      | 89.00              | 30.67             | 96.40                      | 6.07                          | 1.756         | 36.38              | 16.96                  |       |
| 7/29/02 23:30                      | 88.70              | 30.68             | 99.70                      | 6.29                          | 1.839         | 26.28              | 17.46                  |       |
| 7/30/02 0:00                       | 88.50              | 30.88             | 88.10                      | 5.57                          | 2.122         | 33.02              | 17.56                  |       |
| 7/30/02 0:30                       | 88.60              | 30.90             | 91.60                      | 5.78                          | 2.361         | 25.16              | 17.06                  |       |
| 7/30/02 1:00                       | 88.50              | 31.03             | 80.60                      | 5.09                          | 2.540         | 28.22              | 16.86                  |       |
| 7/30/02 1:30                       | 88.30              | 31.43             | 79.70                      | 5.03                          | 2.725         | 28.84              | 15.66                  |       |
| 7/30/02 2:00                       | 87.80              | 31.53             | 81.70                      | 5.18                          | 3.158         | 35.17              | 14.66                  |       |
| 7/30/02 2:30                       | 87.60              | 31.77             | 83.00                      | 5.26                          | 3.511         | 36.91              | 14.86                  |       |
| 7/30/02 3:00                       | 87.70              | 31.97             | 85.90                      | 5.44                          | 3.825         | 30.17              | 13.46                  |       |
| 7/30/02 3:30                       | 87.70              | 32.40             | 84.00                      | 5.31                          | 4.072         | 22.41              | 13.36                  |       |
| 7/30/02 4:00                       | 87.70              | 32.49             | 84.80                      | 5.35                          | 4.418         | 28.03              | 11.56                  |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/30/02 4:30                       | 87.50              | 32.79             | 84.60                      | 5.34                          | 4.551         | 14.14              | 9.06                    |       |
| 7/30/02 5:00                       | 87.20              | 33.03             | 89.00                      | 5.62                          | 4.641         | 6.48               | 6.86                    |       |
| 7/30/02 5:30                       | 87.10              | 33.07             | 85.40                      | 5.40                          | 4.661         | 6.48               | 6.76                    |       |
| 7/30/02 6:00                       | 87.00              | 33.12             | 86.30                      | 5.46                          | 4.601         | 6.07               | 6.06                    |       |
| 7/30/02 6:30                       | 86.90              | 33.11             | 82.90                      | 5.25                          | 4.424         | 7.71               | 6.76                    |       |
| 7/30/02 7:00                       | 86.70              | 33.03             | 78.20                      | 4.97                          | 4.347         | 12.51              | 6.86                    |       |
| 7/30/02 7:30                       | 86.60              | 33.06             | 74.00                      | 4.70                          | 4.321         | 10.67              | 6.96                    |       |
| 7/30/02 8:00                       | 86.50              | 32.71             | 68.00                      | 4.33                          | 3.872         | 15.78              | 9.96                    |       |
| 7/30/02 8:30                       | 86.50              | 32.30             | 68.20                      | 4.36                          | 3.762         | 33.97              | 11.86                   |       |
| 7/30/02 9:00                       | 86.30              | 32.05             | 66.00                      | 4.23                          | 3.553         | 23.44              | 12.56                   |       |
| 7/30/02 9:30                       | 86.10              | 31.82             | 63.10                      | 4.05                          | 3.270         | 35.51              | 13.76                   |       |
| 7/30/02 10:00                      | 85.80              | 31.34             | 62.10                      | 4.01                          | 2.969         | 37.76              | 15.66                   |       |
| 7/30/02 10:30                      | 85.60              | 31.17             | 61.00                      | 3.95                          | 2.743         | 26.41              | 15.76                   |       |
| 7/30/02 11:00                      | 85.70              | 31.10             | 59.90                      | 3.88                          | 2.489         | 25.09              | 16.36                   |       |
| 7/30/02 11:30                      | 86.00              | 31.27             | 66.60                      | 4.30                          | 2.406         | 26.93              | 17.66                   |       |
| 7/30/02 12:00                      | 86.20              | 31.21             | 66.80                      | 4.31                          | 2.392         | 25.29              | 17.66                   |       |
| 7/30/02 12:30                      | 86.50              | 31.18             | 74.40                      | 4.78                          | 2.528         | 28.57              | 20.16                   |       |
| 7/30/02 13:00                      | 86.50              | 31.25             | 70.10                      | 4.50                          | 2.674         | 30.31              | 20.56                   |       |
| 7/30/02 13:30                      | 86.90              | 31.32             | 78.80                      | 5.05                          | 2.826         | 35.22              | 21.86                   |       |
| 7/30/02 14:00                      | 87.30              | 31.58             | 80.90                      | 5.15                          | 2.969         | 38.18              | 21.06                   |       |
| 7/30/02 14:30                      | 88.50              | 31.90             | 99.40                      | 6.25                          | 3.227         | 44.53              | 17.76                   |       |
| 7/30/02 15:00                      | 89.00              | 32.15             | 107.40                     | 6.72                          | 3.473         | 37.37              | 15.56                   |       |
| 7/30/02 15:30                      | 88.90              | 32.30             | 104.70                     | 6.55                          | 3.725         | 30.11              | 18.26                   |       |
| 7/30/02 16:00                      | 88.70              | 32.62             | 110.90                     | 6.94                          | 4.078         | 26.84              | 15.96                   |       |
| 7/30/02 16:30                      | 88.50              | 32.85             | 106.70                     | 6.68                          | 4.158         | 30.42              | 15.66                   |       |
| 7/30/02 17:00                      | 88.50              | 32.92             | 108.00                     | 6.76                          | 4.265         | 26.53              | 14.26                   |       |
| 7/30/02 17:30                      | 88.60              | 32.98             | 106.40                     | 6.65                          | 4.247         | 14.97              | 12.46                   |       |
| 7/30/02 18:00                      | 88.60              | 32.95             | 99.20                      | 6.20                          | 4.196         | 22.75              | 13.96                   |       |
| 7/30/02 18:30                      | 88.70              | 32.95             | 99.70                      | 6.23                          | 4.209         | 23.67              | 15.06                   |       |
| 7/30/02 19:00                      | 88.80              | 32.90             | 93.90                      | 5.86                          | 4.011         | 20.40              | 12.26                   |       |
| 7/30/02 19:30                      | 89.30              | 32.68             | 99.20                      | 6.18                          | 3.796         | 23.57              | 13.16                   |       |
| 7/30/02 20:00                      | 89.50              | 32.49             | 106.80                     | 6.64                          | 3.696         | 29.31              | 16.66                   |       |
| 7/30/02 20:30                      | 89.40              | 32.24             | 100.50                     | 6.26                          | 3.469         | 27.67              | 14.96                   |       |
| 7/30/02 21:00                      | 89.20              | 32.02             | 102.50                     | 6.41                          | 3.083         | 29.51              | 16.06                   |       |
| 7/30/02 21:30                      | 89.20              | 31.98             | 98.30                      | 6.15                          | 2.830         | 31.56              | 15.56                   |       |
| 7/30/02 22:00                      | 89.10              | 31.79             | 98.10                      | 6.15                          | 2.617         | 23.17              | 15.26                   |       |
| 7/30/02 22:30                      | 89.10              | 31.60             | 96.10                      | 6.03                          | 2.381         | 24.71              | 15.46                   |       |
| 7/30/02 23:00                      | 89.20              | 31.51             | 87.50                      | 5.49                          | 2.298         | 22.76              | 14.15                   |       |
| 7/30/02 23:30                      | 89.20              | 31.41             | 84.20                      | 5.28                          | 2.183         | 28.40              | 15.05                   |       |
| 7/31/02 0:00                       | 89.00              | 31.41             | 80.00                      | 5.03                          | 2.187         | 37.00              | 16.15                   |       |
| 7/31/02 0:30                       | 88.90              | 31.46             | 86.80                      | 5.47                          | 2.269         | 19.38              | 15.95                   |       |
| 7/31/02 1:00                       | 88.60              | 31.58             | 81.40                      | 5.13                          | 2.407         | 28.61              | 19.05                   |       |
| 7/31/02 1:30                       | 88.30              | 31.68             | 81.00                      | 5.12                          | 2.598         | 32.19              | 17.05                   |       |
| 7/31/02 2:00                       | 88.10              | 31.82             | 80.60                      | 5.09                          | 2.804         | 384.77             | 16.95                   |       |
| 7/31/02 2:30                       | 88.30              | 31.87             | 80.00                      | 5.05                          | 3.074         | 25.64              | 16.15                   |       |
| 7/31/02 3:00                       | 88.50              | 32.18             | 75.70                      | 4.77                          | 3.379         | 41.93              | 19.35                   |       |
| 7/31/02 3:30                       | 88.40              | 32.58             | 81.10                      | 5.10                          | 3.667         | 34.66              | 15.55                   |       |
| 7/31/02 4:00                       | 88.30              | 32.87             | 82.60                      | 5.19                          | 3.933         | 29.95              | 12.65                   |       |
| 7/31/02 4:30                       | 88.30              | 33.07             | 86.80                      | 5.44                          | 4.219         | 18.06              | 11.85                   |       |
| 7/31/02 5:00                       | 88.10              | 33.10             | 89.00                      | 5.59                          | 4.376         | 16.01              | 10.25                   |       |
| 7/31/02 5:30                       | 88.00              | 33.33             | 88.10                      | 5.53                          | 4.498         | 18.57              | 10.95                   |       |
| 7/31/02 6:00                       | 88.00              | 33.43             | 83.40                      | 5.23                          | 4.428         | 18.78              | 10.75                   |       |

| DateTime<br>(mm/dd/year<br>hr:min) | Temperature<br>(F) | Salinity<br>(ppt) | Dissolved<br>Oxygen<br>(%) | Dissolved<br>Oxygen<br>(mg/l) | Depth<br>(ft) | Turbidity<br>(NTU) | Chlorophyll<br>l (ug/l) | NOTES |
|------------------------------------|--------------------|-------------------|----------------------------|-------------------------------|---------------|--------------------|-------------------------|-------|
| 7/31/02 6:30                       | 87.90              | 33.37             | 78.10                      | 4.91                          | 4.379         | 21.65              | 10.35                   |       |
| 7/31/02 7:00                       | 87.60              | 33.00             | 75.10                      | 4.74                          | 4.199         | 29.24              | 11.45                   |       |
| 7/31/02 7:30                       | 87.30              | 32.77             | 73.40                      | 4.65                          | 4.150         | 22.27              | 11.15                   |       |
| 7/31/02 8:00                       | 87.30              | 33.03             | 70.40                      | 4.46                          | 3.963         | 30.37              | 14.25                   |       |
| 7/31/02 8:30                       | 87.10              | 32.88             | 68.60                      | 4.35                          | 3.900         | 27.50              | 11.45                   |       |
| 7/31/02 9:00                       | 87.10              | 32.70             | 60.00                      | 3.82                          | 3.656         | 20.94              | 11.05                   |       |
| 7/31/02 9:30                       | 87.00              | 32.41             | 56.20                      | 3.58                          | 3.355         | 25.66              | 12.95                   |       |
| 7/31/02 10:00                      | 87.20              | 32.16             | 56.00                      | 3.57                          | 3.122         | 29.04              | 15.25                   |       |
| 7/31/02 10:30                      | 87.30              | 31.81             | 60.10                      | 3.83                          | 2.804         | 31.61              | 16.75                   |       |
| 7/31/02 11:00                      | 87.30              | 31.74             | 62.20                      | 3.97                          | 2.624         | 33.77              | 18.55                   |       |
| 7/31/02 11:30                      | 87.60              | 31.74             | 70.30                      | 4.47                          | 2.511         | 37.26              | 17.25                   |       |
| 7/31/02 12:00                      | 88.20              | 31.73             | 72.00                      | 4.56                          | 2.335         | 26.08              | 14.95                   |       |
| 7/31/02 12:30                      | 88.40              | 31.62             | 76.80                      | 4.85                          | 2.146         | 29.46              | 17.95                   |       |
| 7/31/02 13:00                      | 88.90              | 31.57             | 80.90                      | 5.09                          | 2.188         | 26.69              | 17.25                   |       |
| 7/31/02 13:30                      | 89.40              | 31.37             | 89.60                      | 5.62                          | 2.232         | 17.35              | 16.65                   |       |
| 7/31/02 14:00                      | 89.70              | 31.54             | 103.60                     | 6.48                          | 2.360         | 20.54              | 18.95                   |       |
| 7/31/02 14:30                      | 89.80              | 31.39             | 100.30                     | 6.27                          | 2.598         | 28.14              | 23.75                   |       |
| 7/31/02 15:00                      | 89.80              | 31.32             | 101.30                     | 6.34                          | 2.793         | 29.47              | 20.75                   |       |
| 7/31/02 15:30                      | 89.80              | 31.30             | 104.40                     | 6.53                          | 2.918         | 33.17              | 20.95                   |       |
| 7/31/02 16:00                      | 89.90              | 31.42             | 106.70                     | 6.67                          | 3.076         | 31.53              | 20.05                   |       |
| 7/31/02 16:30                      | 90.00              | 31.63             | 104.70                     | 6.53                          | 3.300         | 39.44              | 19.55                   |       |
| 7/31/02 17:00                      | 89.90              | 31.66             | 101.80                     | 6.35                          | 3.560         | 52.58              | 23.45                   |       |
| 7/31/02 17:30                      | 90.00              | 31.67             | 102.30                     | 6.38                          | 3.663         | 43.34              | 21.75                   |       |
| 7/31/02 18:00                      | 90.00              | 31.79             | 109.80                     | 6.84                          | 3.782         | 21.98              | 16.65                   |       |
| 7/31/02 18:30                      | 89.90              | 31.76             | 109.00                     | 6.80                          | 3.843         | 20.34              | 14.65                   |       |
| 7/31/02 19:00                      | 89.90              | 31.74             | 107.40                     | 6.70                          | 3.921         | 20.03              | 15.75                   |       |
| 7/31/02 19:30                      | 89.80              | 31.57             | 101.00                     | 6.31                          | 3.898         | 30.41              | 16.15                   |       |
| 7/31/02 20:00                      | 89.60              | 31.72             | 97.50                      | 6.10                          | 3.781         | 38.53              | 17.35                   |       |
| 7/31/02 20:30                      | 89.40              | 31.69             | 88.60                      | 5.56                          | 3.694         | 38.43              | 16.25                   |       |
| 7/31/02 21:00                      | 89.10              | 31.69             | 83.70                      | 5.26                          | 3.538         | 46.24              | 16.65                   |       |
| 7/31/02 21:30                      | 89.00              | 31.56             | 84.70                      | 5.33                          | 3.344         | 34.53              | 15.75                   |       |
| 7/31/02 22:00                      | 88.90              | 31.41             | 79.20                      | 4.99                          | 3.191         | 43.16              | 17.75                   |       |
| 7/31/02 22:30                      | 88.80              | 31.32             | 76.70                      | 4.85                          | 2.978         | 59.30              | 20.55                   |       |
| 7/31/02 23:00                      | 88.40              | 31.37             | 73.00                      | 4.62                          | 2.881         | 63.73              | 19.45                   |       |
| 7/31/02 23:30                      | 88.20              | 31.18             | 71.70                      | 4.56                          | 2.771         | 38.44              | 17.65                   |       |