140 GROUND-WATER LEVELS

### IREDELL COUNTY--Continued

 $353135080524203. \ \, \text{County number, IR-132; DENR Langtree Research Station MW-2D (Bedrock well)}.$ 

LOCATION.--Lat 35°31'35.62", long 80°52'42.29", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

WATER-LEVEL RECORDS

AQUIFER. -- Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6 in., cased to 53 ft, open hole from 53 ft to 400 ft.

DATUM.--Land-surface datum is 802.27 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelter floor, 1.39 ft above land-surface datum.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

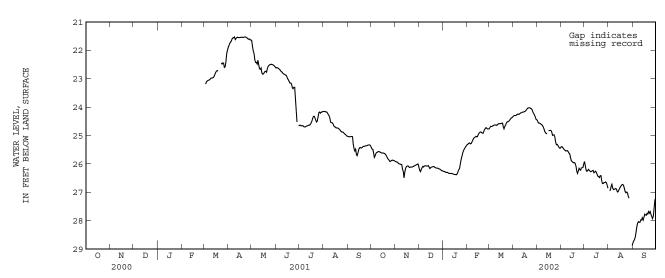
REMARKS.--Well is part of Piedmont/Mountains ground-water project.

PERIOD OF RECORD. -- March 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 21.51 ft below land-surface datum, Apr. 9, 2001; lowest water level recorded 29.23 ft below land-surface datum, Aug. 30, 2002.

|                                  |  | DEP                                       | TH BELOW   | LAND SURFA                                |   | R LEVEL)<br>Y MEAN VA                              |   | WATER YEAR                                | OCTOBER                                   | 2001 TO  | SEPTEMBER                                 | 2002                                      |
|----------------------------------|--|---|--|---|---|--|---|---|---|--|---|---|
| DAY                              | OCT  | NOV                                       | DEC  | JAN                                       | FEB                                       | MAR  | APR                                       | MAY                                       | JUN                                       | JUL  | AUG                                       | SEP                                       |
| 1<br>2<br>3<br>4<br>5            | 25.41<br>25.47<br>25.48<br>25.61<br>25.77          | 25.91<br>25.92<br>25.93<br>25.96<br>25.98 | 26.11<br>26.23<br>26.27<br>26.20<br>26.13          | 26.25<br>26.26<br>26.27<br>26.29<br>26.30 | 25.31<br>25.30<br>25.27<br>25.26<br>25.29 | 24.76<br>24.71<br>24.67<br>24.68<br>24.67          | 24.32<br>24.30<br>24.29<br>24.29<br>24.27 |   | 25.40<br>25.39<br>25.41<br>25.46<br>25.49 | 25.91<br>26.06<br>26.22<br>26.26<br>26.23          | 26.93<br>26.92<br>26.80<br>26.72          | 28.78<br>28.70<br>28.66<br>28.57<br>28.37 |
| 6<br>7<br>8<br>9                 | 25.71<br>25.63<br>25.59<br>25.58<br>25.56          | 26.00<br>26.01<br>26.01<br>26.02<br>26.18 | 26.08<br>26.11<br>26.07<br>26.06<br>26.07          | 26.29<br>26.30<br>26.33<br>26.33<br>26.33 | 25.28<br>25.22<br>25.16<br>25.10<br>25.08 | 24.65<br>24.64<br>24.63<br>24.63<br>24.64          | 24.25<br>24.25<br>24.25<br>24.23<br>24.21 | 24.59<br>24.61<br>24.64<br>24.68<br>24.76 | 25.52<br>25.54<br>25.53<br>25.53<br>25.56 | 26.19<br>26.22<br>26.25<br>26.27<br>26.26          | 26.84<br>26.90<br>26.89<br>26.88<br>26.86 | 28.19<br>28.07<br>28.03<br>28.05<br>28.05 |
| 11<br>12<br>13<br>14<br>15       | 25.56<br>25.58<br>25.59<br>25.61<br>25.62          | 26.27<br>26.49<br>26.27<br>26.15<br>26.09 | 26.07<br>26.07<br>26.06<br>26.10<br>26.16          | 26.33<br>26.33<br>26.34<br>26.35<br>26.36 | 25.05<br>25.03<br>25.05<br>25.04<br>24.96 | 24.63<br>24.61<br>24.58<br>24.58<br>24.58          | 24.20<br>24.18<br>24.17<br>24.17<br>24.16 | 24.85<br>24.90<br>24.93<br>24.92          | 25.61<br>25.64<br>25.77<br>25.88<br>25.91 | 26.24<br>26.22<br>26.31<br>26.28<br>26.25          | 26.90<br>26.98<br>26.98<br>26.91<br>26.86 | 27.96<br>27.97<br>27.89<br>27.98<br>27.88 |
| 16<br>17<br>18<br>19<br>20       | 25.61<br>25.62<br>25.63<br>25.65<br>25.69          | 26.08<br>26.07<br>26.09<br>26.12<br>26.11 | 26.13<br>26.11<br>26.10<br>26.09<br>26.09          | 26.37<br>26.37<br>26.38<br>26.35<br>26.28 | 24.91<br>24.88<br>24.87<br>24.88<br>24.91 | 24.57<br>24.57<br>24.56<br>24.70<br>24.77          | 24.15<br>24.12<br>24.08<br>24.04<br>24.02 | 24.82<br>24.82                            | 25.94<br>25.96<br>25.95<br>25.97<br>26.07 | 26.29<br>26.35<br>26.43<br>26.44<br>26.48          | 26.80<br>26.76<br>26.73<br>26.72<br>26.77 | 27.77<br>27.79<br>27.80<br>27.74<br>27.76 |
| 21<br>22<br>23<br>24<br>25       | 25.74<br>25.80<br>25.84<br>25.87<br>25.92          | 26.11<br>26.10<br>26.10<br>26.09<br>26.07 | 26.10<br>26.13<br>26.14<br>26.14<br>26.15          | 26.20<br>26.15<br>26.01<br>25.85<br>25.73 | 24.92<br>24.87<br>24.79<br>24.75<br>24.72 | 24.68<br>24.63<br>24.55<br>24.52<br>24.51          | 24.02<br>24.02<br>24.05<br>24.06<br>24.10 | 24.99<br>24.98<br>24.97<br>25.05<br>25.23 | 26.25<br>26.34<br>26.26<br>26.15<br>26.20 | 26.42<br>26.41<br>26.59<br>26.68<br>26.68          | 26.86<br>26.97<br>27.01<br>26.98<br>27.02 | 27.67<br>27.73<br>27.67<br>27.77<br>27.84 |
| 26<br>27<br>28<br>29<br>30<br>31 | 25.90<br>25.88<br>25.87<br>25.87<br>25.88<br>25.88 | 26.06<br>26.04<br>26.02<br>26.01<br>26.00 | 26.16<br>26.17<br>26.18<br>26.21<br>26.23<br>26.24 |   | 24.75<br>24.77<br>24.77<br>               | 24.50<br>24.46<br>24.42<br>24.39<br>24.37<br>24.34 | 24.18<br>24.23<br>24.28<br>24.35<br>24.43 | 25.44                                     | 26.22<br>26.14<br>26.13<br>26.12<br>25.99 | 26.65<br>26.65<br>26.63<br>26.66<br>26.75<br>26.85 | 27.14<br>27.21<br><br><br>28.87           | 27.93<br>27.84<br>27.56<br>27.28<br>27.20 |

WTR YR 2002 MEAN 25.81 HIGH 24.02 LOW 28.87



### IREDELL COUNTY--Continued

# 353135080524203 IR-132 DENR Langtree Research Station MW-2D (Bedrock well)--Continued WATER-QUALITY RECORDS

PERIOD OF RECORD. -- August to September 2002.

PERIOD OF DAILY RECORD. --

 $\ensuremath{\mathsf{SPECIFIC}}$  CONDUCTANCE: August to September 2002.

pH: August to September 2002.

WATER TEMPERATURE: August to September 2002.

DISSOLVED OXYGEN: August to September 2002.

DISSOLVED OXYGEN, PERCENT SATURATION: August to September 2002.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from August to September 2002.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources, Water Resources Division as part of the Piedmont/Mountains ground-water project. Dissolved oxygen, percent saturation, computed using barometric pressure of 740 mm Hg.

EXTREMES FOR CURRENT YEAR. --

| CONSTITUENT                            | MAXIMUM RECORDED                     | MINIMUM RECORDED                |
|--|--------------------------------------|---------------------------------|
| SPECIFIC CONDUCTANCE, microsiemens     | 90, August 1-5                       | 83, August 28-31, September 1-2 |
| pH, standard units                     | 7.2, August 31, September 1, 2, 9-11 | 6.9, August 1, 18-26, 28        |
| WATER TEMPERATURE, °C                  | 16.1, August 1 - September 30        | 16.1, August 1 - September 30   |
| DISSOLVED OXYGEN, mg/L                 | 7.5, August 28                       | 5.3, September 30               |
| DISSOLVED OXYGEN, PERCENT SATURATION,% | 78, August 28                        | 55, September 30                |

|      |     | SPECIFIC | CONDUCTANCE | (MICI | ROSIEMENS/CM<br>DAILY 1 | AT 25<br>MEAN VA |     | OR PERIO | AUGUST ' | TO SEPTEMB | ER 2002 |     |
|------|-----|----------|-------------|-------|-------------------------|------------------|-----|----------|----------|------------|---------|-----|
| DAY  | OCT | NOV      | DEC         | JAN   | FEB                     | MAR              | APR | MAY      | JUN      | JUL        | AUG     | SEP |
| 1    |     |          |             |       |                         |                  |     |          |          |            |         | 83  |
| 2    |     |          |             |       |                         |                  |     |          |          |            | 90      | 84  |
| 3    |     |          |             |       |                         |                  |     |          |          |            | 90      | 84  |
| 4    |     |          |             |       |                         |                  |     |          |          |            | 90      | 85  |
| 5    |     |          |             |       |                         |                  |     |          |          |            | 90      | 85  |
| 6    |     |          |             |       |                         |                  |     |          |          |            | 89      | 85  |
| 7    |     |          |             |       |                         |                  |     |          |          |            | 89      | 85  |
| 8    |     |          |             |       |                         |                  |     |          |          |            | 88      | 85  |
| 9    |     |          |             |       |                         |                  |     |          |          |            | 88      | 86  |
| 10   |     |          |             |       |                         |                  |     |          |          |            | 88      | 86  |
| 11   |     |          |             |       |                         |                  |     |          |          |            | 88      | 86  |
| 12   |     |          |             |       |                         |                  |     |          |          |            | 87      | 86  |
| 13   |     |          |             |       |                         |                  |     |          |          |            | 87      | 86  |
| 14   |     |          |             |       |                         |                  |     |          |          |            | 87      | 87  |
| 15   |     |          |             |       |                         |                  |     |          |          |            | 87      | 87  |
| 16   |     |          |             |       |                         |                  |     |          |          |            | 86      | 86  |
| 17   |     |          |             |       |                         |                  |     |          |          |            | 86      | 86  |
| 18   |     |          |             |       |                         |                  |     |          |          |            | 86      | 87  |
| 19   |     |          |             |       |                         |                  |     |          |          |            | 86      | 87  |
| 20   |     |          |             |       |                         |                  |     |          |          |            | 85      | 87  |
| 21   |     |          |             |       |                         |                  |     |          |          |            | 85      | 87  |
| 22   |     |          |             |       |                         |                  |     |          |          |            | 85      | 87  |
| 23   |     |          |             |       |                         |                  |     |          |          |            | 85      | 88  |
| 24   |     |          |             |       |                         |                  |     |          |          |            | 84      | 88  |
| 25   |     |          |             |       |                         |                  |     |          |          |            | 84      | 88  |
| 26   |     |          |             |       |                         |                  |     |          |          |            |         | 88  |
| 27   |     |          |             |       |                         |                  |     |          |          |            |         | 88  |
| 28   |     |          |             |       |                         |                  |     |          |          |            |         | 89  |
| 29   |     |          |             |       |                         |                  |     |          |          |            | 83      | 89  |
| 30   |     |          |             |       |                         |                  |     |          |          |            | 83      | 89  |
| 31   |     |          |             |       |                         |                  |     |          |          |            | 83      |     |
| MEAN |     |          |             |       |                         |                  |     |          |          |            |         | 86  |
| MAX  |     |          |             |       |                         |                  |     |          |          |            |         | 89  |
| MIN  |     |          |             |       |                         |                  |     |          |          |            |         | 83  |

353135080524203 IR-132 DENR Langtree Research Station MW-2D (Bedrock well)--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, FOR PERIOD AUGUST TO SEPTEMBER 2002

|   |          | rn, wai     | ,           | ,               |                          | MEAN VAL            |             | 100031 10       |                 |                 |  |  |
|---|----------|-------------|-------------|-----------------|--------------------------|---------------------|-------------|-----------------|-----------------|-----------------|--|--|
| DAY   | OCT      | NOV         | DEC         | JAN             | FEB                      | MAR                 | APR         | MAY             | JUN             | JUL             | AUG  | SEP  |
| 1   |          |             |             |                 |                          |                     |             |                 |                 |                 |  | 7.2  |
| 2   |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  | 7.2  |
| 3<br>4  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1<br>7.0   | 7.1<br>7.1   |
| 5   |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0  | 7.1  |
| 6   |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  | 7.1  |
| 7   |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  | 7.1  |
| 8<br>9  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  | 7.1  |
| 10  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0<br>7.0   | 7.2<br>7.2   |
| 11  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0  | 7.1  |
| 12  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  | 7.1  |
| 13<br>14  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  | 7.1  |
| 15  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0<br>7.0   | 7.1<br>7.1   |
| 16  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0  | 7.1  |
| 17  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0  | 7.1  |
| 18  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0  | 7.1  |
| 19<br>20  |          |             |             |                 |                          |                     |             |                 |                 |                 | 6.9<br>6.9   | 7.1<br>7.0   |
| 21  |          |             |             |                 |                          |                     |             |                 |                 |                 | 6.0  | 7.0  |
| 21<br>22  |          |             |             |                 |                          |                     |             |                 |                 |                 | 6.9<br>7.0   | 7.0<br>7.0   |
| 23  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.0  | 7.0  |
| 24<br>25  |          |             |             |                 |                          |                     |             |                 |                 |                 | 6.9<br>6.9   | 7.1<br>7.1   |
|   |          |             |             |                 |                          |                     |             |                 |                 |                 |  |  |
| 26<br>27  |          |             |             |                 |                          |                     |             |                 |                 |                 |  | 7.1<br>7.1   |
| 28  |          |             |             |                 |                          |                     |             |                 |                 |                 |  | 7.1  |
| 29<br>30  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1<br>7.1   | 7.0<br>7.0   |
| 31  |          |             |             |                 |                          |                     |             |                 |                 |                 | 7.1  |  |
| MEAN  |          |             |             |                 |                          |                     |             |                 |                 |                 |  | 7.1  |
| MAX   |          |             |             |                 |                          |                     |             |                 |                 |                 |  | 7.2  |
| MIN   |          |             |             |                 |                          |                     |             |                 |                 |                 |  | 7.0  |
|   |          |             |             |                 |                          |                     |             |                 |                 |                 |  |  |
|   |          |             |             |                 |                          |                     |             |                 |                 |                 |  |  |
|   |          | WATER T     | EMPERATURE  | , DEGREES       |                          | FOR PERI            |             | TO SEPTE        | MBER 2002       | 2               |  |  |
| DAY   | OCT      |             |             |                 | DAILY                    | MEAN VAL            | UES         |                 |                 |                 | AUG  | SEP  |
| DAY   | OCT      | NOV         | DEC         | JAN             | DAILY                    | MEAN VAI            | JUES<br>APR | MAY             | JUN             | JUL             | AUG  | SEP  |
| DAY<br>1<br>2   | OCT      |             |             |                 | DAILY                    | MEAN VAL            | UES         |                 |                 |                 |  | 16.1   |
| 1<br>2<br>3   | <br>     | NOV<br><br> | DEC<br><br> | JAN<br><br>     | DAILY<br>FEB<br><br>     | MEAN VAI  MAR       | APR         | MAY<br><br>     | JUN<br><br>     | JUL<br><br>     | 16.1<br>16.1   | 16.1<br>16.1<br>16.1   |
| 1<br>2<br>3<br>4  |          | NOV         | DEC         | JAN<br>         | DAILY<br>FEB<br>         | MEAN VAI<br>MAR<br> | APR         | MAY<br>         | JUN<br>         | JUL<br>         | 16.1<br>16.1<br>16.1   | 16.1<br>16.1<br>16.1<br>16.1                                 |
| 1<br>2<br>3<br>4<br>5   |          | NOV         | DEC         | JAN<br><br><br> | DAILY<br>FEB<br><br><br> | MEAN VAI            | APR         | MAY<br><br><br> | JUN<br><br><br> | JUL<br><br><br> | 16.1<br>16.1<br>16.1<br>16.1                                 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1                         |
| 1<br>2<br>3<br>4  | <br><br> | NOV<br><br> | DEC         | JAN<br><br>     | DAILY<br>FEB<br><br>     | MEAN VAL            | APR         | MAY<br><br>     | JUN<br><br><br> | JUL<br><br><br> | 16.1<br>16.1<br>16.1<br>16.1                                 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1                         |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1                 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1                 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1         | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24   |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI  MAR       | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25                                     |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26                               |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29             |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>27<br>28<br>29<br>30             |          | NOV         | DEC         | JAN             | DAILY FEB                | MEAN VAI            | APR         | MAY             | JUN             | JUL             | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 | 16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1<br>16.1 |

143 IREDELL COUNTY--Continued

353135080524203 IR-132 DENR Langtree Research Station MW-2D (Bedrock well)--Continued

OXYGEN DISSOLVED (MG/L), FOR PERIOD AUGUST TO SEPTEMBER 2002

|   |             |             |             |                 | DAILY                | MEAN VAI                                | LUES            |                   |                 |          |  |  |
|---|-------------|-------------|-------------|-----------------|----------------------|---|-----------------|-------------------|-----------------|----------|--|--|
| DAY   | OCT         | NOV         | DEC         | JAN             | FEB                  | MAR                                     | APR             | MAY               | JUN             | JUL      | AUG  | SEP  |
| 1   |             |             |             |                 |                      |   |                 |                   |                 |          |  | 6.6  |
| 2   |             |             |             |                 |                      |   |                 |                   |                 |          | 5.6  | 6.4  |
| 3   |             |             |             |                 |                      |   |                 |                   |                 |          | 5.6  | 6.3  |
| 4<br>5  |             |             |             |                 |                      |   |                 |                   |                 |          | 5.6<br>5.7   | 6.3<br>6.2   |
|   |             |             |             |                 |                      |   |                 |                   |                 |          |  |  |
| 6   |             |             |             |                 |                      |   |                 |                   |                 |          | 5.8  | 6.1  |
| 7<br>8  |             |             |             |                 |                      |   |                 |                   |                 |          | 5.9<br>6.0   | 6.1<br>6.0   |
| 9   |             |             |             |                 |                      |   |                 |                   |                 |          | 6.0  | 5.9  |
| 10  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.1  | 5.9  |
| 11  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.2  | 5.8  |
| 12  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.2  | 5.8  |
| 13  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.3  | 5.8  |
| 14<br>15  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.4  | 5.8  |
| 15  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.5  | 5.8  |
| 16  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.6  | 5.7  |
| 17  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.7  | 5.7  |
| 18<br>19  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.8<br>6.8   | 5.6<br>5.6   |
| 20  |             |             |             |                 |                      |   |                 |                   |                 |          | 6.9  | 5.6  |
|   |             |             |             |                 |                      |   |                 |                   |                 |          |  |  |
| 21  |             |             |             |                 |                      |   |                 |                   |                 |          | 7.0  | 5.6  |
| 22<br>23  |             |             |             |                 |                      |   |                 |                   |                 |          | 7.1<br>7.2   | 5.6<br>5.5   |
| 24  |             |             |             |                 |                      |   |                 |                   |                 |          | 7.3  | 5.4  |
| 25  |             |             |             |                 |                      |   |                 |                   |                 |          | 7.3  | 5.4  |
| 26  |             |             |             |                 |                      |   |                 |                   |                 |          |  | 5.4  |
| 27  |             |             |             |                 |                      |   |                 |                   |                 |          |  | 5.4  |
| 28  |             |             |             |                 |                      |   |                 |                   |                 |          |  | 5.4  |
| 29  |             |             |             |                 |                      |   |                 |                   |                 |          | 7.1  | 5.4  |
| 30<br>31  |             |             |             |                 |                      |   |                 |                   |                 |          | 7.0<br>6.8   | 5.3  |
| 31  |             |             |             |                 |                      |   |                 |                   |                 |          | 0.0  |  |
| MEAN  |             |             |             |                 |                      |   |                 |                   |                 |          |  | 5.8  |
| MAX<br>MIN  |             |             |             |                 |                      |   |                 |                   |                 |          |  | 6.6<br>5.3   |
| MITIM   |             |             |             |                 |                      |   |                 |                   |                 |          |  | 5.3  |
|   | OV          |             |             |                 |                      |   |                 |                   |                 |          |  |  |
| DAY   | OCT         | YGEN DISS   | OLVED (%    | OF SATURA       |                      | OR PERIOD<br>MEAN VAI                   |                 | ) SEPTEMBE<br>MAY | R 2002<br>JUN   | JUL      | AUG  | SEP  |
|   | OCT         | NOV         | DEC         | JAN             | DAILY<br>FEB         | MEAN VAI                                | JUES<br>APR     | МАУ               | JUN             |          |  |  |
| 1   | OCT         | NOV         | DEC         | JAN             | DAILY<br>FEB         | MEAN VAI                                | JUES<br>APR     | MAY<br>           | JUN<br>         |          |  | 69   |
| 1<br>2  | OCT<br>     | NOV         | DEC<br>     | JAN<br>         | DAILY<br>FEB<br>     | MEAN VAI<br>MAR<br>                     | LUES<br>APR<br> | MAY<br>           | JUN<br>         |          | <br>59   | 69<br>67   |
| 1<br>2<br>3<br>4  | OCT         | NOV         | DEC         | JAN             | DAILY<br>FEB         | MEAN VAI                                | JUES<br>APR     | MAY<br>           | JUN<br>         |          | 59<br>59<br>59   | 69<br>67<br>66<br>66   |
| 1<br>2<br>3   | OCT<br><br> | NOV<br><br> | DEC<br><br> | JAN<br><br>     | DAILY<br>FEB<br><br> | MEAN VAI<br>MAR<br><br>                 | APR             | MAY<br><br>       | JUN<br><br>     |          | <br>59<br>59   | 69<br>67<br>66   |
| 1<br>2<br>3<br>4<br>5   | OCT         | NOV<br><br> | DEC         | JAN<br><br><br> | DAILY<br>FEB<br><br> | MEAN VAI  MAR                           | APR             | MAY<br><br>       | JUN<br><br>     | <br><br> | 59<br>59<br>59<br>60   | 69<br>67<br>66<br>66<br>65   |
| 1<br>2<br>3<br>4  | OCT         | NOV         | DEC         | JAN<br><br><br> | DAILY FEB            | MEAN VAI<br>MAR<br><br><br>             | APR             | MAY<br><br><br>   | JUN<br><br><br> |          | 59<br>59<br>59   | 69<br>67<br>66<br>66   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR                                     | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR                                     | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>64<br>65   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>62   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MEAN VAI  MAR                           | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>65   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>64<br>65   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>62   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>65<br>66<br>67<br>68   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR                                     | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>62<br>61<br>61<br>61<br>61<br>61   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>65<br>66<br>67<br>68   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>60<br>60<br>59   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>61<br>65   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71                                     | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>61<br>95<br>95<br>95<br>95   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68   | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>60<br>60<br>59   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75             | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>60<br>59<br>59<br>59<br>59   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR                                     | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76       | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>59<br>59<br>59<br>59   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75             | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>60<br>59<br>59<br>59<br>59   |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26  | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76       | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>65<br>59<br>59<br>59<br>59<br>57<br>56<br>56   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27                         | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>76       | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>60<br>60<br>59<br>59<br>59<br>59<br>59<br>57<br>56<br>56<br>56   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28                   | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76       | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>61<br>59<br>59<br>59<br>57<br>56<br>56<br>56   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30       | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76<br>76 | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>61<br>65<br>59<br>59<br>59<br>59<br>57<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56 |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29             | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76       | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>65<br>59<br>59<br>59<br>59<br>57<br>56<br>56<br>56<br>56   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | 7 MEAN VAI  MAR                         | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76<br>76 | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>61<br>65<br>59<br>59<br>59<br>59<br>59<br>59<br>57<br>56<br>56<br>56<br>56<br>56<br>56                               |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30       | OCT         | NOV         | DEC         | JAN             | DAILY FEB            | MAR                                     | APR             | MAY               | JUN             |          | 59<br>59<br>59<br>60<br>61<br>62<br>63<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76       | 69<br>67<br>66<br>66<br>65<br>64<br>64<br>63<br>62<br>62<br>61<br>61<br>61<br>61<br>61<br>61<br>65<br>59<br>59<br>59<br>57<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56<br>56       |

## 353135080524203 IR-132 DENR Langtree Research Station MW-2D (Bedrock well) --Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD. -- August 2002.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources, Water Resources Division as part of the Piedmont/Mountains ground-water project.

### WATER-QUALITY DATA, AUGUST 2002

| Date      | Time  | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                               | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900)               | CALCIUM<br>DIS-<br>SOLVED<br>(MG/L<br>AS CA)<br>(00915)                      | MAGNE-<br>SIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS MG)<br>(00925)          | POTAS-<br>SIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS K)<br>(00935)           | SODIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS NA)<br>(00930)                  | ANC WATER UNFLTRD IT FIELD MG/L AS CACO3 (00419)        | ANC BICAR- BONATE IT FIELD MG/L AS HCO3 (00450)       | BROMIDE<br>DIS-<br>SOLVED<br>(MG/L<br>AS BR)<br>(71870) | CHLO-<br>RIDE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS CL)<br>(00940)  |
|-----------|---|--|--|---|--|--|--|--|--|---|---|---|---|
| AUG<br>28 | 1050  | 7.0  | 98   | 17.0  | 36   | 10.1   | 2.69   | 1.90   | 4.64   | 43  | 52  | E.02  | 1.14  |
| Date      | FLUO-<br>RIDE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS F)<br>(00950) | SILICA,<br>DIS-<br>SOLVED<br>(MG/L<br>AS<br>SIO2)<br>(00955)         | SULFATE<br>DIS-<br>SOLVED<br>(MG/L<br>AS SO4)<br>(00945)     | SOLIDS,<br>RESIDUE<br>AT 180<br>DEG. C<br>DIS-<br>SOLVED<br>(MG/L)<br>(70300) | NITRO-<br>GEN,<br>AMMONIA<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00608) | NITRO-<br>GEN,AM-<br>MONIA +<br>ORGANIC<br>DIS.<br>(MG/L<br>AS N)<br>(00623) | NITRO-<br>GEN,<br>NO2+NO3<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00631) | NITRO-<br>GEN,<br>NITRITE<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00613) | ORTHO-<br>PHOS-<br>PHATE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS P)<br>(00671) | ARSENIC<br>DIS-<br>SOLVED<br>(UG/L<br>AS AS)<br>(01000) | BORON,<br>DIS-<br>SOLVED<br>(UG/L<br>AS B)<br>(01020) | IRON,<br>DIS-<br>SOLVED<br>(UG/L<br>AS FE)<br>(01046)   | MANGA-<br>NESE,<br>DIS-<br>SOLVED<br>(UG/L<br>AS MN)<br>(01056) |
| AUG<br>28 | E.1   | 37.2   | 1.1  | 96  | <.04   | <.10   | 1.35   | <.008  | .04  | <13   | <10   | <10   | <2.0  |
|           |   |  |  | Date  |  | ALPHA<br>RADIO.<br>WATER<br>DISS<br>AS<br>TH-230<br>(PCI/L)<br>(04126)       | GROSS<br>BETA,<br>DIS-<br>SOLVED<br>(PCI/L<br>AS<br>CS-137)<br>(03515)   | RADON<br>222<br>TOTAL<br>(PCI/L)<br>(82303)                              |  |   |   |   |   |
|           |   |  |  | AUG<br>2  | 8  | .3   | 2.2  | 500  |  |   |   |   |   |

Remark codes used in this table: < -- Less than E -- Estimated value