

GROUND-WATER LEVELS

IREDELL COUNTY

353135080524201. County number, IR-130; DENR Langtree Research Station MW-2 (Regolith well).

LOCATION.--Lat 35°31'35.47", long 80°52'42.23", 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.--Regolith (saprolitic quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 28 ft, diameter 4 in., cased to 13 ft, screened interval from 13 ft to 28 ft, sand filter packed from 10 ft to 28 ft.

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

DATUM.--Land-surface datum is 802.48 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelter floor, 1.34 ft above land-surface datum.

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

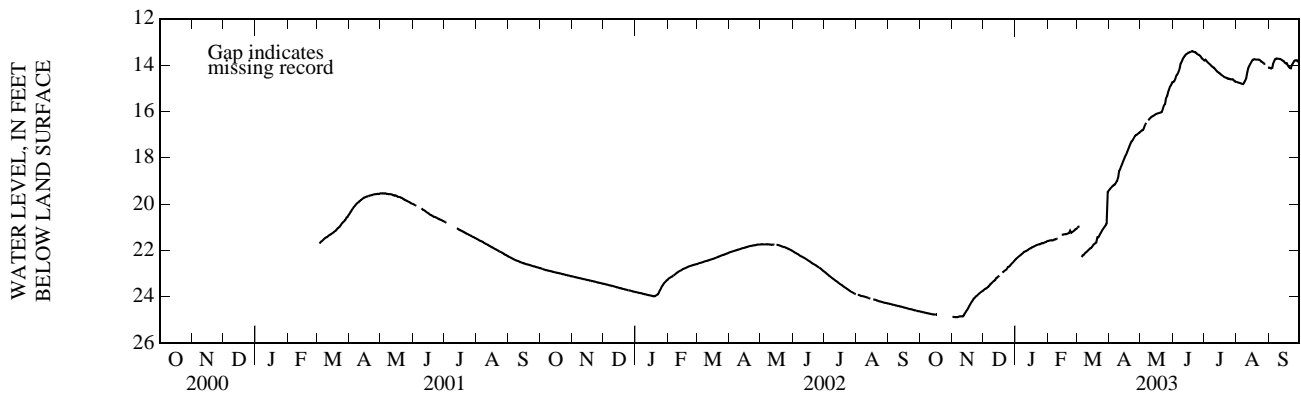
PERIOD OF RECORD.--March 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.39 ft below land-surface datum, June 19, 2003; lowest water level recorded 24.91 ft below land-surface datum, Nov. 5, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.64	24.87	23.72	22.37	21.59	21.02	19.36	16.86	14.74	13.80	14.73	14.11
2	24.65	24.87	23.68	22.34	21.58	20.97	19.31	16.82	14.70	13.77	14.75	14.12
3	24.66	24.88	23.65	22.29	21.57	20.97	19.26	16.80	14.59	13.82	14.77	14.15
4	24.67	24.88	23.62	22.26	21.56	---	19.22	16.71	14.46	13.88	14.78	14.12
5	24.68	24.88	23.58	22.21	21.57	22.28	19.18	16.58	14.39	13.92	14.79	13.93
6	24.69	24.88	23.54	22.18	21.55	22.22	19.16	16.50	14.31	13.96	14.81	13.83
7	24.70	24.86	23.49	22.14	21.53	22.20	19.07	---	14.17	14.01	14.83	13.74
8	24.71	24.85	23.44	22.09	21.52	22.14	19.01	16.38	13.94	14.05	14.77	13.72
9	24.72	24.85	23.40	22.06	21.50	22.09	18.87	16.33	13.86	14.08	14.67	13.72
10	24.73	24.85	23.35	22.04	21.49	22.06	18.57	16.29	13.76	14.11	14.59	13.73
11	24.74	24.85	23.32	22.02	---	22.01	18.49	16.24	13.67	14.16	14.31	13.73
12	24.75	24.80	23.28	22.00	---	21.97	18.38	16.21	13.60	14.22	14.14	13.75
13	24.76	24.71	23.20	21.96	---	21.92	18.26	16.19	13.55	14.27	14.04	13.77
14	24.77	24.63	23.18	21.93	21.33	21.90	18.15	16.15	13.52	14.31	13.95	13.81
15	24.77	24.57	23.13	21.91	21.32	21.85	18.03	16.13	13.48	14.34	13.87	13.84
16	24.77	24.50	23.09	21.88	21.31	21.77	17.92	16.10	13.47	14.37	13.79	13.89
17	24.77	24.41	---	21.86	21.30	21.73	17.84	16.09	13.45	14.42	13.75	13.94
18	---	24.32	---	21.84	21.30	21.69	17.73	16.08	13.42	14.45	13.75	13.92
19	---	24.25	22.96	21.82	21.28	21.66	17.61	16.06	13.40	14.48	13.76	14.02
20	---	24.18	22.92	21.79	21.27	21.44	17.50	16.05	13.42	14.52	13.76	14.08
21	---	24.11	22.89	21.77	21.25	21.44	17.38	16.03	13.44	14.54	13.76	14.13
22	---	24.06	22.85	21.76	21.16	21.36	17.30	15.89	13.44	14.55	13.76	14.14
23	---	24.01	22.82	21.74	21.25	21.27	17.24	15.75	13.47	14.58	13.78	13.98
24	---	23.98	22.73	21.73	21.21	21.20	17.17	15.69	13.52	14.58	13.83	13.91
25	---	23.93	22.72	21.71	21.18	21.11	17.08	15.44	13.55	14.61	13.86	13.84
26	---	23.89	22.68	21.69	21.15	21.04	17.03	15.34	13.57	14.62	13.88	13.80
27	---	23.85	22.61	21.69	21.09	20.99	17.01	15.17	13.61	14.62	13.92	13.79
28	---	23.82	22.56	21.66	21.07	20.93	16.97	15.05	13.67	14.61	13.98	13.80
29	---	23.78	22.52	21.65	---	20.84	16.93	14.92	13.73	14.64	---	13.87
30	---	23.75	22.47	21.64	---	19.47	16.90	14.85	13.77	14.70	---	13.91
31	---	---	22.42	21.61	---	19.43	---	14.75	---	14.72	14.11	---

WTR YR 2003 MEAN 18.68 HIGH 13.40 LOW 24.88



353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2002 to July 2003 (discontinued)

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 2002 to July 2003.

pH: August 2002 to July 2003.

WATER TEMPERATURE: August 2002 to July 2003.

DISSOLVED OXYGEN: August 2002 to July 2003.

DISSOLVED OXYGEN, PERCENT SATURATION: August 2002 to July 2003.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from August 2002 to July 2003.

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 PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	88, October 22, 2002	31, July 6-10, 2003
pH, standard units	6.4, on many days during the period	5.6, on several days during the period
WATER TEMPERATURE, °C	16.8, on many days during the period	16.2, on many days during the period
DISSOLVED OXYGEN, mg/L	7.4, on several days during the period	5.7, on several days during the period
DISSOLVED OXYGEN, PERCENT SATURATION,%	78, on several days during the period	60, on several days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	88, October 22	31, July 6-10
pH, standard units	6.4, on many days during the year	5.6, on several days during the year
WATER TEMPERATURE, °C	16.8, on many days during the year	16.2, on many days during the year
DISSOLVED OXYGEN, mg/L	7.4, on several days during the year	5.7, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION,%	78, on several days during the year	60, on several days during the year

353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
FOR PERIOD OCTOBER 2002 TO JULY 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	80	76	79	78	78	78	73	71	34	---	---
2	78	79	76	79	78	78	78	72	71	34	---	---
3	78	79	76	79	79	78	77	72	71	34	---	---
4	78	79	76	79	79	---	77	71	71	33	---	---
5	78	78	76	79	78	78	77	71	71	32	---	---
6	78	78	75	79	78	78	76	71	71	32	---	---
7	78	78	75	79	78	78	76	---	71	31	---	---
8	78	78	75	79	78	78	76	72	72	31	---	---
9	78	78	75	79	79	78	76	72	71	31	---	---
10	78	78	75	79	79	78	77	72	71	32	---	---
11	78	79	76	79	78	78	77	72	71	32	---	---
12	78	78	75	79	82	78	77	72	71	32	---	---
13	78	78	75	79	84	78	76	72	71	33	---	---
14	78	78	75	79	84	78	76	72	71	34	---	---
15	78	78	75	79	83	78	76	72	71	35	---	---
16	79	78	75	79	82	78	76	72	70	36	---	---
17	78	78	---	79	81	78	75	72	68	36	---	---
18	78	78	---	79	80	78	75	72	66	37	---	---
19	79	78	80	79	80	78	74	72	64	37	---	---
20	---	77	80	79	80	78	74	71	60	39	---	---
21	---	76	79	79	80	78	74	71	56	---	---	---
22	---	76	79	79	79	78	74	71	52	---	---	---
23	---	76	79	79	79	78	74	71	48	---	---	---
24	---	77	79	79	79	78	74	71	45	---	---	---
25	82	77	79	79	79	78	74	72	43	---	---	---
26	81	76	79	79	79	78	73	72	41	---	---	---
27	80	76	79	78	78	78	73	72	39	---	---	---
28	80	76	79	78	78	77	73	72	37	---	---	---
29	79	76	79	78	---	78	73	72	36	---	---	---
30	79	76	79	78	---	78	73	71	34	---	---	---
31	79	---	79	78	---	78	---	71	---	---	---	---
MEAN	---	78	---	79	80	---	75	---	61	---	---	---
MAX	---	80	---	79	84	---	78	---	72	---	---	---
MIN	---	76	---	78	78	---	73	---	34	---	---	---

353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
 FOR PERIOD OCTOBER 2002 TO JULY 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	6.1	6.2	6.1	6.2	6.4	6.3	6.3	6.2	5.6	---	---
2	6.1	6.1	6.2	6.1	6.2	6.4	6.3	6.3	6.2	5.6	---	---
3	6.1	6.1	6.3	6.1	6.2	6.4	6.3	6.3	6.2	5.6	---	---
4	6.1	6.1	6.3	6.1	6.2	---	6.3	6.3	6.1	5.6	---	---
5	6.1	6.1	6.3	6.1	6.2	6.4	6.3	6.3	6.1	5.6	---	---
6	6.2	6.1	6.3	6.2	6.2	6.4	6.3	6.3	6.2	5.7	---	---
7	6.2	6.1	6.2	6.2	6.2	6.4	6.3	---	6.2	5.7	---	---
8	6.2	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.2	5.7	---	---
9	6.2	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.1	5.7	---	---
10	6.2	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.1	5.7	---	---
11	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.1	5.7	---	---
12	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.1	5.8	---	---
13	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.0	5.8	---	---
14	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.0	5.8	---	---
15	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.0	5.8	---	---
16	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.0	5.9	---	---
17	6.1	6.2	---	6.2	6.3	6.3	6.3	6.3	6.0	5.9	---	---
18	6.1	6.2	---	6.2	6.3	6.2	6.3	6.3	5.9	5.9	---	---
19	6.0	6.2	6.1	6.2	6.3	6.2	6.3	6.3	5.9	5.9	---	---
20	---	6.2	6.1	6.2	6.3	6.2	6.3	6.3	5.8	6.0	---	---
21	---	6.3	6.1	6.2	6.3	6.2	6.3	6.2	5.8	---	---	---
22	---	6.3	6.1	6.2	6.3	6.2	6.3	6.2	5.7	---	---	---
23	---	6.3	6.1	6.2	6.4	6.3	6.3	6.2	5.6	---	---	---
24	---	6.2	6.1	6.2	6.4	6.3	6.3	6.3	5.6	---	---	---
25	6.1	6.3	6.1	6.2	6.4	6.3	6.3	6.3	5.6	---	---	---
26	6.1	6.3	6.1	6.2	6.3	6.3	6.3	6.2	5.6	---	---	---
27	6.1	6.3	6.1	6.2	6.3	6.3	6.3	6.2	5.6	---	---	---
28	6.1	6.3	6.1	6.2	6.3	6.3	6.2	6.2	5.6	---	---	---
29	6.1	6.3	6.1	6.2	---	6.3	6.2	6.3	5.6	---	---	---
30	6.1	6.3	6.1	6.2	---	6.3	---	6.2	5.6	---	---	---
31	6.1	---	6.1	6.2	---	6.3	---	6.2	---	---	---	---
MEAN	---	6.2	---	6.2	6.3	---	---	---	5.9	---	---	---
MAX	---	6.3	---	6.2	6.4	---	---	---	6.2	---	---	---
MIN	---	6.1	---	6.1	6.2	---	---	---	5.6	---	---	---

353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 FOR PERIOD OCTOBER 2002 TO JULY 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.3	16.4	16.5	16.6	16.7	16.8	16.7	16.5	16.3	16.2	---	---
2	16.3	16.4	16.5	16.6	16.7	16.8	16.7	16.5	16.3	16.2	---	---
3	16.3	16.4	16.5	16.6	16.7	16.8	16.7	16.5	16.3	16.2	---	---
4	16.3	16.4	16.5	16.6	16.7	---	16.7	16.5	16.3	16.2	---	---
5	16.3	16.4	16.5	16.7	16.7	16.7	16.7	16.5	16.3	16.2	---	---
6	16.3	16.4	16.5	16.7	16.8	16.7	16.7	16.5	16.3	16.2	---	---
7	16.3	16.4	16.5	16.7	16.8	16.7	16.7	---	16.3	16.2	---	---
8	16.3	16.4	16.5	16.7	16.8	16.8	16.7	16.5	16.3	16.2	---	---
9	16.3	16.4	16.5	16.7	16.8	16.8	16.7	---	16.3	16.2	---	---
10	16.4	16.4	16.5	16.7	16.8	16.8	16.7	16.5	16.3	16.2	---	---
11	16.3	16.4	16.5	16.7	16.8	16.8	16.7	16.5	16.3	16.2	---	---
12	16.4	16.4	16.5	16.7	16.8	16.8	16.7	16.4	16.3	16.2	---	---
13	16.4	16.4	16.5	16.7	16.8	16.7	16.7	16.4	16.2	16.2	---	---
14	16.4	16.4	16.6	16.7	16.8	16.7	16.7	16.4	16.2	16.2	---	---
15	16.4	16.4	16.6	16.7	16.8	16.7	16.7	16.4	16.2	16.2	---	---
16	16.4	16.4	16.6	16.7	16.8	16.7	16.7	16.4	16.2	16.2	---	---
17	16.4	16.4	---	16.7	16.8	16.7	16.6	16.4	16.2	16.2	---	---
18	16.4	16.4	---	16.7	16.8	16.7	16.6	16.4	16.2	16.2	---	---
19	16.4	16.4	16.6	16.7	16.7	16.7	16.6	16.4	16.2	16.2	---	---
20	---	16.4	16.6	16.7	16.7	16.7	16.6	16.4	16.2	16.2	---	---
21	---	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
22	---	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
23	---	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
24	---	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
25	16.4	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
26	16.4	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
27	16.4	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
28	16.4	16.5	16.6	16.7	16.8	16.7	16.6	16.4	16.2	---	---	---
29	16.4	16.5	16.6	16.7	---	16.7	16.6	16.3	16.2	---	---	---
30	16.4	16.5	16.6	16.7	---	16.7	16.6	16.3	16.2	---	---	---
31	16.4	---	16.6	16.7	---	16.7	---	16.3	---	---	---	---
MEAN	---	16.4	---	16.7	16.8	---	16.7	---	16.2	---	---	---
MAX	---	16.5	---	16.7	16.8	---	16.7	---	16.3	---	---	---
MIN	---	16.4	---	16.6	16.7	---	16.6	---	16.2	---	---	---

353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
FOR PERIOD OCTOBER 2002 TO JULY 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.4	6.7	6.5	6.6	6.5	6.2	5.9	5.8	7.2	---	---
2	7.0	6.2	6.7	6.5	6.5	6.5	6.2	5.9	5.8	7.2	---	---
3	7.0	6.1	6.7	6.5	6.6	6.5	6.2	5.9	5.8	7.2	---	---
4	7.0	6.2	6.7	6.5	6.5	---	6.2	5.9	5.8	7.2	---	---
5	7.0	6.2	6.7	6.5	6.6	6.6	6.2	5.9	5.7	7.3	---	---
6	7.1	6.3	6.7	6.4	6.6	6.6	6.2	5.9	5.7	7.3	---	---
7	7.1	6.4	6.7	6.5	6.6	6.6	6.2	---	5.7	7.4	---	---
8	7.0	6.5	6.7	6.4	6.5	6.6	6.2	5.8	5.7	7.4	---	---
9	7.1	6.5	6.7	6.5	6.5	6.6	6.2	5.8	5.8	7.4	---	---
10	7.1	6.5	6.7	6.4	6.5	6.5	6.1	5.8	5.8	7.4	---	---
11	7.0	6.6	6.7	6.5	6.4	6.5	6.0	5.8	5.8	7.4	---	---
12	7.1	6.6	6.7	6.5	6.4	6.5	6.0	5.9	5.8	7.3	---	---
13	7.1	6.6	6.7	6.5	6.4	6.5	6.0	5.9	5.8	7.3	---	---
14	7.1	6.6	6.7	6.5	6.4	6.5	6.1	5.9	5.7	7.3	---	---
15	7.1	6.6	6.7	6.5	6.4	6.5	6.1	5.9	5.7	7.2	---	---
16	7.1	6.6	6.7	6.5	6.4	6.5	6.1	5.9	5.7	7.2	---	---
17	7.1	6.7	---	6.5	6.5	6.5	6.1	5.9	5.8	7.2	---	---
18	7.0	6.7	---	6.5	6.5	6.5	6.1	6.0	5.8	7.1	---	---
19	6.8	6.7	6.6	6.5	6.5	6.5	6.0	6.0	5.8	7.1	---	---
20	---	6.7	6.5	6.5	6.5	6.5	6.1	6.0	5.9	7.0	---	---
21	---	6.7	6.6	6.5	6.5	6.3	6.1	6.0	6.1	---	---	---
22	---	6.7	6.6	6.5	6.5	6.3	6.1	6.0	6.2	---	---	---
23	---	6.7	6.6	6.5	6.5	6.3	6.0	6.0	6.3	---	---	---
24	---	6.6	6.6	6.5	6.5	6.2	6.0	5.9	6.5	---	---	---
25	6.6	6.7	6.6	6.5	6.5	6.2	6.0	5.9	6.6	---	---	---
26	6.7	6.7	6.6	6.5	6.5	6.2	6.0	5.9	6.7	---	---	---
27	6.7	6.7	6.6	6.5	6.5	6.3	6.0	5.9	6.8	---	---	---
28	6.7	6.7	6.5	6.6	6.5	6.3	6.0	5.9	7.0	---	---	---
29	6.7	6.7	6.5	6.6	---	6.2	6.0	5.9	7.1	---	---	---
30	6.7	6.7	6.5	6.6	---	6.2	6.0	5.9	7.1	---	---	---
31	6.7	---	6.5	6.6	---	6.2	---	5.9	---	---	---	---
MEAN	---	6.6	---	6.5	6.5	---	6.1	---	6.1	---	---	---
MAX	---	6.7	---	6.6	6.6	---	6.2	---	7.1	---	---	---
MIN	---	6.1	---	6.4	6.4	---	6.0	---	5.7	---	---	---

353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
FOR PERIOD OCTOBER 2002 TO JULY 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	67	71	69	70	69	66	62	61	75	---	---
2	74	65	71	69	69	69	66	62	61	75	---	---
3	73	64	71	69	70	69	66	62	61	75	---	---
4	74	65	71	69	69	---	66	62	61	75	---	---
5	74	65	71	69	70	70	66	62	60	76	---	---
6	74	66	71	68	70	70	66	62	60	76	---	---
7	74	67	71	69	70	70	66	---	60	77	---	---
8	74	68	71	68	70	70	66	61	60	78	---	---
9	75	68	71	69	69	70	66	---	61	78	---	---
10	75	68	71	68	69	69	65	61	61	78	---	---
11	74	69	71	68	68	69	64	61	61	78	---	---
12	74	69	71	69	68	69	64	62	61	77	---	---
13	75	69	71	69	68	69	64	62	61	76	---	---
14	75	69	71	69	68	69	65	62	60	76	---	---
15	75	69	71	69	68	69	65	62	60	75	---	---
16	75	69	71	69	68	69	65	62	60	75	---	---
17	75	70	---	69	69	69	64	62	61	75	---	---
18	74	70	---	69	69	69	64	63	61	74	---	---
19	71	70	70	69	69	69	63	63	61	74	---	---
20	---	71	69	69	69	69	64	63	62	73	---	---
21	---	71	70	69	69	67	64	63	64	---	---	---
22	---	71	70	69	69	67	64	63	65	---	---	---
23	---	71	70	69	69	67	64	63	66	---	---	---
24	---	70	70	69	69	66	64	62	68	---	---	---
25	69	71	70	69	69	66	63	62	69	---	---	---
26	70	71	70	69	69	66	63	62	70	---	---	---
27	70	71	70	69	69	67	63	62	71	---	---	---
28	70	71	70	70	69	67	63	62	73	---	---	---
29	70	71	69	70	---	66	63	62	74	---	---	---
30	70	71	69	70	---	66	63	62	74	---	---	---
31	70	---	69	70	---	66	---	62	---	---	---	---
MEAN	---	69	---	69	69	---	64	---	64	---	---	---
MAX	---	71	---	70	70	---	66	---	74	---	---	---
MIN	---	64	---	68	68	---	63	---	60	---	---	---

353135080524201 IR-130 DENR Langtree Research Station MW-2 (Regolith well)—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2002, March 2003.

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, MARCH 2003

Date	Time	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., field, mg/L as CaCO3 (00419)	Bicar- bonate, wat unfltrd, titr., field, mg/L (00450)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)
MAR 04...	1225	6.3	76	16.8	27	5.71	3.06	0.64	3.55	27	33	0.03	2.01
Date	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
MAR 04...	0.06	27.1	0.3	69	<0.10	<0.04	1.44	<0.008	0.06	<2	<13	<10	E.2
Date	Alpha radio- activty water, fltrd, Th-230, pCi/L (04126)	Gross beta radioac water, fltrd, Cs-137, pCi/L (03515)	Rn-222, water, unfltrd pCi/L (82303)										
MAR 04...	0.1	1.0	230										