

GROUND-WATER LEVELS

HOKE COUNTY

350314079213301. County number, HO-032; DENR McCain Research Station well T48i2.

LOCATION.--Lat 35°03'17", long 79°21'35", Hydrologic Unit 03040203, near McCain, 0.6 mi west of State Highway 211 off Hill Drive. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Black Creek aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 110 ft, diameter 4 in. to 82 ft, diameter 2.5 in. from 82 to 110 ft, screened interval from 82 to 92 ft.

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

DATUM.--Land-surface datum is 350 ft above sea level (from topographic map). Measuring point: Top of coupling plate attached to instrument shelf, 2.01 ft above land-surface datum (since November 2000).

REMARKS.--Well is part of southern Coastal Plain ground-water level monitoring study. Negative values of water levels measured in feet below land surface indicate ground-water levels that are above land surface. Well redeveloped by injecting air into well on July 31, 2001.

PERIOD OF RECORD.--February 1972 to current year. Records from February 1972 to December 1987 are from the files of the Groundwater Section, DENR. Water levels measured periodically by USGS personnel since July 1981. Continuous record began November 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.51 ft above land-surface datum, April 28, 1998; lowest water level measured, 4.52 ft below land-surface datum, July 15, 1981.

REVISIONS.--Water-level values and extremes for period of record published in Water Resources Data, North Carolina, NC-96-2 and NC-97-2, should be adjusted by -0.7 ft.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR NOVEMBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 1 | --- | --- | 1.41 | 1.60 | 1.75 | 1.74 | 1.61 | 1.87 | 2.11 | 2.37 | 2.68 | 2.90 |
| 2 | --- | --- | 1.42 | 1.61 | 1.74 | 1.73 | 1.65 | 1.88 | 2.07 | 2.39 | 2.68 | 2.90 |
| 3 | --- | --- | 1.42 | 1.60 | 1.78 | 1.74 | 1.64 | 1.91 | 2.11 | 2.42 | 2.68 | 2.91 |
| 4 | --- | --- | 1.42 | 1.57 | 1.77 | 1.72 | 1.64 | 1.92 | 2.15 | 2.40 | 2.69 | 2.89 |
| 5 | --- | --- | 1.41 | 1.53 | 1.72 | 1.71 | 1.65 | 1.92 | 2.18 | 2.40 | 2.72 | 2.91 |
| 6 | --- | --- | 1.41 | 1.55 | 1.76 | 1.74 | 1.62 | 1.95 | 2.20 | 2.43 | 2.73 | 2.94 |
| 7 | --- | --- | 1.39 | 1.59 | 1.79 | 1.77 | 1.61 | 2.00 | 2.29 | 2.45 | 2.74 | 2.96 |
| 8 | --- | 1.32 | 1.41 | 1.58 | 1.81 | 1.80 | 1.61 | 1.99 | 2.20 | 2.43 | 2.75 | 2.97 |
| 9 | --- | 1.31 | 1.46 | 1.61 | 1.79 | 1.78 | 1.60 | 1.99 | 2.20 | 2.42 | 2.77 | 2.96 |
| 10 | --- | 1.30 | 1.47 | 1.66 | 1.76 | 1.81 | 1.61 | 1.99 | 2.22 | 2.45 | 2.78 | 2.96 |
| 11 | --- | 1.36 | 1.46 | 1.67 | 1.83 | 1.83 | 1.64 | 2.00 | 2.23 | 2.46 | 2.80 | 2.97 |
| 12 | --- | 1.37 | 1.45 | 1.64 | 1.82 | 1.82 | 1.65 | 2.01 | 2.23 | 2.50 | 2.82 | 2.99 |
| 13 | --- | 1.37 | 1.53 | 1.66 | 1.78 | 1.76 | 1.65 | 2.04 | 2.23 | 2.50 | 2.82 | 2.99 |
| 14 | --- | 1.33 | 1.49 | 1.67 | 1.76 | 1.81 | 1.66 | 2.06 | 2.22 | 2.51 | 2.81 | 3.00 |
| 15 | --- | 1.36 | 1.51 | 1.66 | 1.74 | 1.78 | 1.66 | 2.05 | 2.22 | 2.54 | 2.83 | 3.01 |
| 16 | --- | 1.37 | 1.49 | 1.66 | 1.76 | 1.77 | 1.66 | 2.04 | 2.24 | 2.56 | 2.86 | 3.02 |
| 17 | --- | 1.33 | 1.40 | 1.68 | 1.75 | 1.79 | 1.69 | 2.02 | 2.26 | 2.58 | 2.87 | 3.04 |
| 18 | --- | 1.37 | 1.48 | 1.69 | 1.82 | 1.82 | 1.73 | 2.03 | 2.29 | 2.58 | 2.81 | 3.04 |
| 19 | --- | 1.36 | 1.46 | 1.65 | 1.80 | 1.84 | 1.77 | 2.04 | 2.31 | 2.59 | 2.77 | 3.06 |
| 20 | --- | 1.35 | 1.49 | 1.63 | 1.76 | 1.79 | 1.78 | 2.06 | 2.31 | 2.61 | 2.79 | 3.06 |
| 21 | --- | 1.39 | 1.53 | 1.70 | 1.74 | 1.69 | 1.80 | 2.08 | 2.31 | 2.62 | 2.82 | 3.03 |
| 22 | --- | 1.42 | 1.51 | 1.72 | 1.74 | 1.70 | 1.80 | 2.08 | 2.30 | 2.63 | 2.85 | 3.05 |
| 23 | --- | 1.42 | 1.55 | 1.69 | 1.75 | 1.75 | 1.80 | 2.10 | 2.31 | 2.64 | 2.86 | 3.04 |
| 24 | --- | 1.42 | 1.53 | 1.67 | 1.79 | 1.74 | 1.80 | 2.12 | 2.33 | 2.64 | 2.86 | 2.91 |
| 25 | --- | 1.36 | 1.54 | 1.69 | 1.76 | 1.74 | 1.79 | 2.13 | 2.34 | 2.65 | 2.87 | 2.79 |
| 26 | --- | 1.29 | 1.55 | 1.73 | 1.74 | 1.74 | 1.81 | 2.14 | 2.36 | 2.65 | 2.88 | 2.76 |
| 27 | --- | 1.31 | 1.50 | 1.69 | 1.77 | 1.77 | 1.82 | 2.14 | 2.35 | 2.66 | 2.88 | 2.75 |
| 28 | --- | 1.36 | 1.46 | 1.74 | 1.75 | 1.76 | 1.83 | 2.11 | 2.32 | 2.67 | 2.90 | 2.76 |
| 29 | --- | 1.37 | 1.49 | 1.73 | --- | --- | 1.68 | 1.89 | 2.09 | 2.34 | 2.66 | 2.91 |
| 30 | --- | 1.37 | 1.50 | 1.66 | --- | --- | 1.62 | 1.89 | 2.12 | 2.36 | 2.67 | 2.91 |
| 31 | --- | --- | 1.56 | 1.68 | --- | --- | 1.62 | --- | 2.14 | --- | --- | 2.90 |

WTR YR 2001 MEAN 2.04 HIGH 1.29 LOW 3.06

HOKE COUNTY--Continued

350314079213301 County number, HO-032; DENR McCain Research Station well T48i2

