

GROUND-WATER LEVELS

BUCKINGHAM COUNTY

372608078404601. Local number, 41H 3.

LOCATION.--Lat 37°26'08", long 78°40'46", Hydrologic Unit 02080207, 0.85 mi west of Ranger Headquarters on south side of dirt road off State Highway 636, 1.5 mi south of Sliders. Owner: U.S. Geological Survey.

AQUIFER.--Metagraywacke, quartzose schist, and melange of Cambrian age.

WELL CHARACTERISTICS.--Augered observation water well, diameter 3 in. to 49 ft, diameter 1.25 in. from 49 to 54 ft, depth 54 ft, screened 49 to 54 ft.

INSTRUMENTATION.--Electronic pressure transducer data-logger--60-minute record interval. Prior to June 12, 1998, occasional measurement with chalked tape by USGS personnel. August 1970 to October 1974, digital recorder--60-minute punch. Prior to August 1970, occasional measurement with chalked tape.

DATUM.--Elevation of land-surface datum is 683.8 ft above sea level. Measuring point: Top of casing, 1.3 ft above land-surface datum.

REMARKS.--Prior to Oct. 1, 1981, well was reported as being located in Appomattox County.

PERIOD OF RECORD.--March 1970 to current year. Unpublished records available prior to October 1977 in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.31 ft below land-surface datum, Apr. 12, 1973; lowest measured, 30.62 ft below land-surface datum, Sept. 23, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
LOWEST DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.35	25.93	27.11	27.91	27.11	26.23	25.68	25.90	27.28	28.55	29.45	30.29
10	24.60	26.16	27.30	27.97	26.78	26.13	25.60	26.11	27.56	28.70	29.59	30.43
15	24.90	26.36	27.45	27.98	26.54	26.20	25.53	26.34	27.82	28.85	29.73	30.53
20	25.12	26.56	27.60	27.93	26.36	26.14	25.59	26.54	28.02	29.00	29.86	30.60
25	25.38	26.75	27.71	27.70	26.28	25.95	25.68	26.72	28.23	29.14	30.00	30.60
EOM	25.69	26.94	27.82	27.47	26.18	25.79	25.78	27.00	28.39	29.31	30.16	30.37

WATER YEAR 1999 HIGHEST INSTANTANEOUS 23.96 OCT 01, 1998
 LOWEST INSTANTANEOUS 30.62 SEP 23, 1999

