

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. October 1974 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 Unpublished records available prior to October 1977 in files of the Geological Survey.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 recorded, 31.68 ft below land-surface datum, Sep. 29, 30, 2000.

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 28.03 ft below land-surface datum, May 10; lowest instantaneous water level, 31.68 ft below land-surface datum, Sep. 29, 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.44	29.64	29.99	29.90	29.37	28.77	28.19	28.11	28.42	29.23	30.59	31.28
10	30.28	29.64	30.04	29.81	29.29	28.60	28.20	28.07	28.53	29.41	30.71	31.38
15	30.07	29.67	30.10	29.80	29.29	28.47	28.18	28.12	28.63	29.61	30.82	31.47
20	29.88	29.76	30.11	29.67	29.17	28.35	28.21	28.15	28.77	29.84	30.93	31.54
25	29.76	29.83	30.06	29.55	29.07	28.27	28.20	28.24	28.90	30.08	31.04	31.61
EOM	29.66	29.94	29.94	29.43	28.97	28.24	28.17	28.36	29.07	30.36	31.17	31.68

