

GROUND-WATER LEVELS

KING GEORGE COUNTY

382103077025403. Local number, 54Q 28.

LOCATION.--Lat 38°21'03", long 77°02'54", Hydrologic Unit 02070011, 100 ft southwest of intersection of Bennion Road and Perimeter Road, 100 ft east of Perimeter Road at edge of woods, and at the Naval Surface Warfare Center, Dahlgren Laboratory, in Dahlgren. Owner: U.S. Department of the Navy.

AQUIFER.--Columbia aquifer of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in. to 9.7 ft, 19.7 to 21.95 ft, depth 21.95 ft, screened 9.7 to 19.7 ft.

INSTRUMENTATION.--Electronic pressure transducer data logger--60 minute-record interval. Oct. 26, 1994 to Feb. 24, 1997, occasional measurement with chalked tape by USGS personnel. Prior to Oct. 26, 1994, digital recorder--60-minute punch.

DATUM.--Elevation of land-surface datum is 21.33 ft above sea level. Measuring point: Top of recorder shelf, 2.5 ft above land-surface datum prior to Nov. 4, 1994; top of casing, 1.96 ft thereafter.

PERIOD OF RECORD.--September 1992 to September 1999 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.85 ft above land-surface datum, Mar. 13, 1993; lowest recorded, 8.95 ft below land-surface datum, Nov. 22, 1998.

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

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 8.11 | 8.57 | 8.66 | 7.89 | 5.67 | 4.15 | 2.57 | 2.78 | 5.10 | 5.93 | 7.24 | 7.01 |
| 10 | 7.84 | 8.75 | 8.92 | 7.47 | 5.60 | 3.23 | 2.29 | 3.21 | 5.60 | 6.43 | 7.39 | 6.65 |
| 15 | 8.18 | 8.47 | 8.43 | 7.23 | 5.28 | 2.84 | 2.12 | 3.61 | 5.70 | 6.63 | 7.67 | 6.55 |
| 20 | 8.18 | 8.57 | 8.19 | 6.79 | 4.48 | 2.97 | 2.50 | 3.69 | 6.13 | 6.95 | 7.65 | 5.61 |
| 25 | 8.41 | 8.78 | 8.24 | 6.38 | 4.44 | 2.50 | 2.75 | 3.80 | 5.77 | 6.88 | 7.55 | 5.28 |
| EOM | 8.52 | 8.72 | 8.01 | 6.23 | 4.06 | 2.71 | 2.86 | 4.42 | 6.16 | 6.99 | 7.17 | 5.03 |

WATER YEAR 1999 HIGHEST INSTANTANEOUS 1.62 APR 9, 1999
 LOWEST INSTANTANEOUS 8.95 NOV 22, 1998

