

GROUND -WATER LEVELS

KING GEORGE COUNTY

381825077021101. Local number, 54Q 79.

LOCATION.--Lat 38°18'25", long 77°02'11", Hydrologic Unit 02070011, 1.1 mi northeast of the main gate at Tetotum Flats 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 9.1 ft, 14.1 to 16.6 ft, depth 16.6 ft, screened 9.1 to 14.1 ft.

INSTRUMENTATION.--Electronic pressure transducer data logger--60 minute record interval. Prior to Feb. 17, 1999, occasional measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 11.43 ft above sea level. Measuring point: Top of casing, 0.10 ft above land-surface datum.

PERIOD OF RECORD.--March 1994 to September 1999 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.62 ft below land-surface datum, Mar. 29, 1994; lowest recorded, 11.79 ft below land-surface datum, Aug. 24, 1999.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	11.00	NOV 17	10.80	DEC 23	10.37	FEB 17	10.37

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	---	---	---	---	---	6.96	8.04	8.69	10.00	10.64	11.38	11.34
10	---	---	---	---	---	7.58	8.19	8.94	10.19	10.91	11.51	10.82
15	---	---	---	---	---	5.08	8.25	9.07	10.23	11.11	11.68	10.77
20	---	---	---	---	7.17	7.23	8.43	9.26	10.27	11.17	11.78	7.09
25	---	---	---	---	7.79	6.86	8.50	9.42	10.28	11.11	11.78	7.74
EOM	---	---	---	---	7.90	7.79	8.62	9.76	10.48	11.22	11.50	7.73

WATER YEAR 1999	HIGHEST INSTANTANEOUS	3.15	MAR 15, 1999
	LOWEST INSTANTANEOUS	11.79	AUG 24, 1999

DAILY LOW-WATER LEVELS

