GROUND-WATER LEVELS

CITY OF NEWPORT NEWS

371208076341104. Local number, 58F 53 SOW 171D.

LOCATION.--Lat 37°12'08", long 76°34'11", Hydrologic Unit 02080206, 0.4 mi southeast of the intersection of State Highways 143 and 238 and 150 ft north of State Highway 143 in the city of Newport News. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Chickahominy-Piney Point aquifer of Eocene-Oligocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 343 ft, screened 333 to 343 ft.

INSTRUMENTATION.--Digital recorder--60-minute punch.

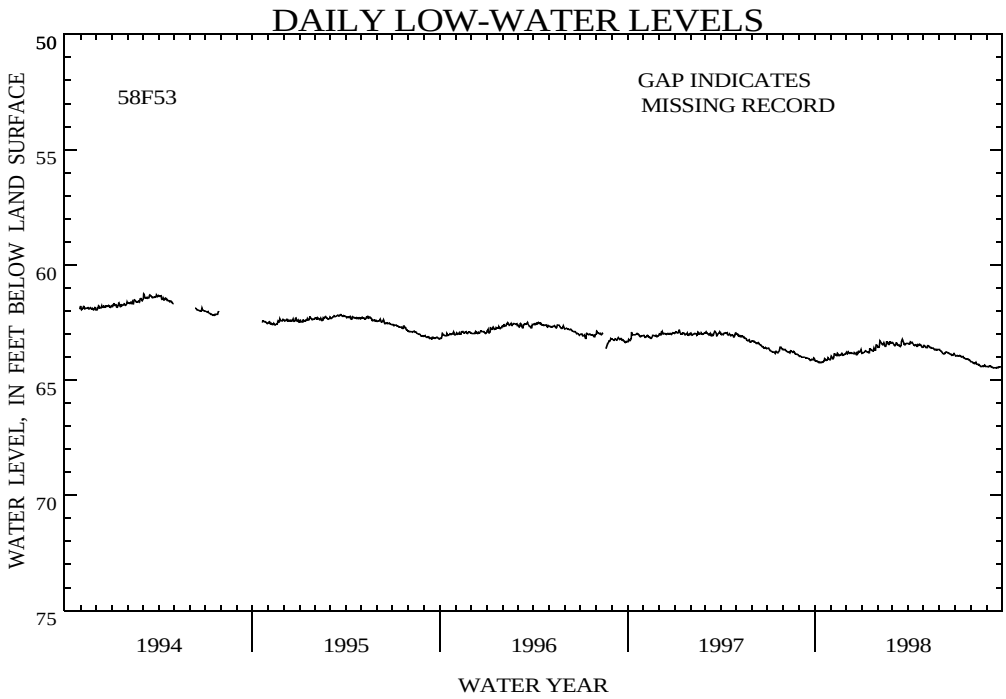
DATUM.--Elevation of land-surface datum is 55 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum prior to Apr. 14, 1993; 2.9 ft thereafter.

REMARKS.--Missing record due to recorder malfunction. Water level affected by regional drawdown and occasional pumpage for water-quality sampling. This well is known to contain dissolved solids greater than or equal to 1,000 mg/l.

PERIOD OF RECORD.--July 1984 to current year. Unpublished records available prior to October 1986 in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 55.18 ft below land-surface datum, Feb. 2, 1985; lowest recorded, 64.47 ft below land-surface datum, Sept. 14, 19, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
LOWEST DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	64.17	64.07	63.76	63.80	63.28	63.47	63.34	63.55	63.74	63.92	64.23	64.39
10	64.22	63.88	63.81	63.76	63.45	63.42	63.39	63.50	63.85	63.93	64.26	64.43
15	64.23	63.85	63.84	63.80	63.52	63.49	63.45	63.58	63.77	63.98	64.30	64.46
20	64.07	63.90	63.83	63.70	63.36	63.27	63.46	63.61	63.82	64.04	64.40	64.45
25	64.10	63.91	63.76	63.68	63.38	63.46	63.48	63.66	63.91	64.08	64.39	64.41
EOM	64.10	63.86	63.81	63.54	63.36	63.40	63.57	63.67	63.84	64.15	64.39	64.42

WATER YEAR 1998	HIGHEST INSTANTANEOUS	63.18	FEB 05, 1998
	LOWEST INSTANTANEOUS	64.47	SEP 14, 19, 1998