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.

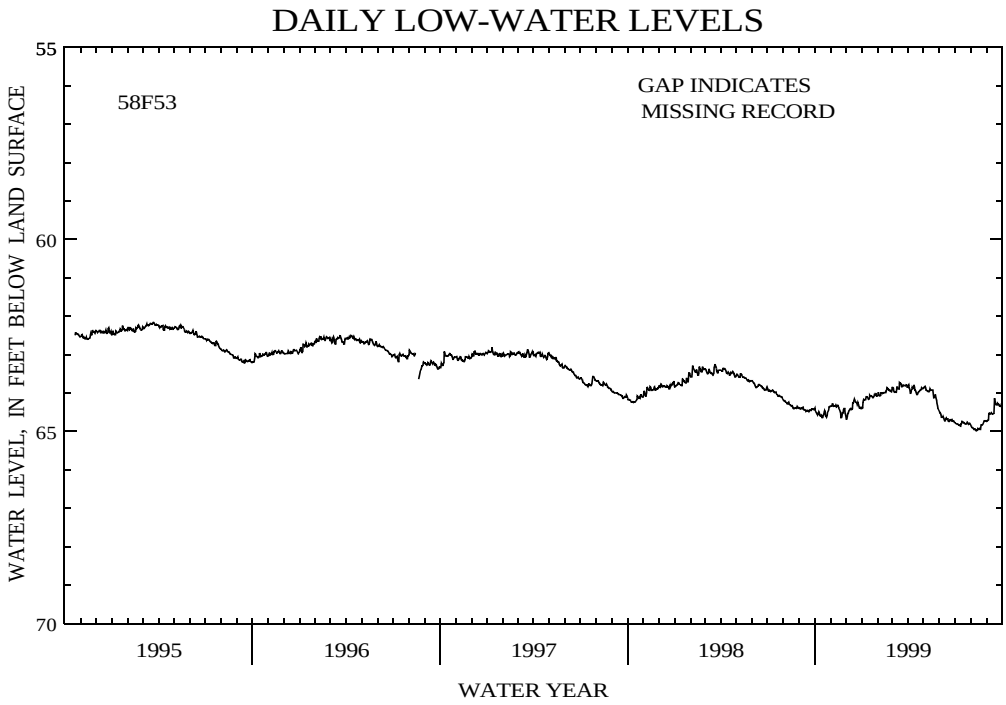
DATUM.--Elevation of land-surface datum is 55 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum prior to Apr. 14, 1993; 2.9 ft thereafter.

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 Unpublished records available prior to October 1986 in files of the Geological Survey.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, 64.98 ft below land-surface datum, Aug. 12, 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	64.53	64.28	64.52	64.17	64.07	63.97	64.00	63.87	64.62	64.80	64.89	64.54
10	64.53	64.33	64.41	64.09	64.01	63.84	63.87	63.95	64.69	64.83	64.95	64.50
15	64.63	64.31	64.25	64.14	63.98	63.72	63.93	63.92	64.67	64.73	64.92	64.53
20	64.46	64.50	64.23	64.08	63.87	63.83	63.99	64.04	64.73	64.78	64.94	64.30
25	64.58	64.50	64.30	64.03	63.92	63.80	63.92	64.12	64.70	64.75	64.81	64.30
EOM	64.34	64.57	64.40	64.07	63.92	63.84	63.87	64.44	64.74	64.80	64.73	64.26

WATER YEAR 1999	HIGHEST INSTANTANEOUS	63.33	SEP 16, 1999
	LOWEST INSTANTANEOUS	64.98	AUG 12, 1999