# GROUND-WATER LEVELS

## JAMES CITY COUNTY

372145076493201. Local number, 56G 57.

LOCATION.--Lat 37°21'45", long 76°49'32", Hydrologic Unit 02080206, 1.75 mi south of the intersection of U.S. Highway 60 and State Highway 631 (Church Lane), off a dirt road at the end of State Highway 631, and 0.10 mi north of the pump station at Little Creek Reservoir. Owner: City of Newport News.

AQUIFER.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 12 in. to 300 ft, diameter 6 in. from 300 to 695 ft, depth 695 ft, screened 530 to 540 ft, 558 to 598 ft, 604 to 624 ft, 660 to 690 ft.

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

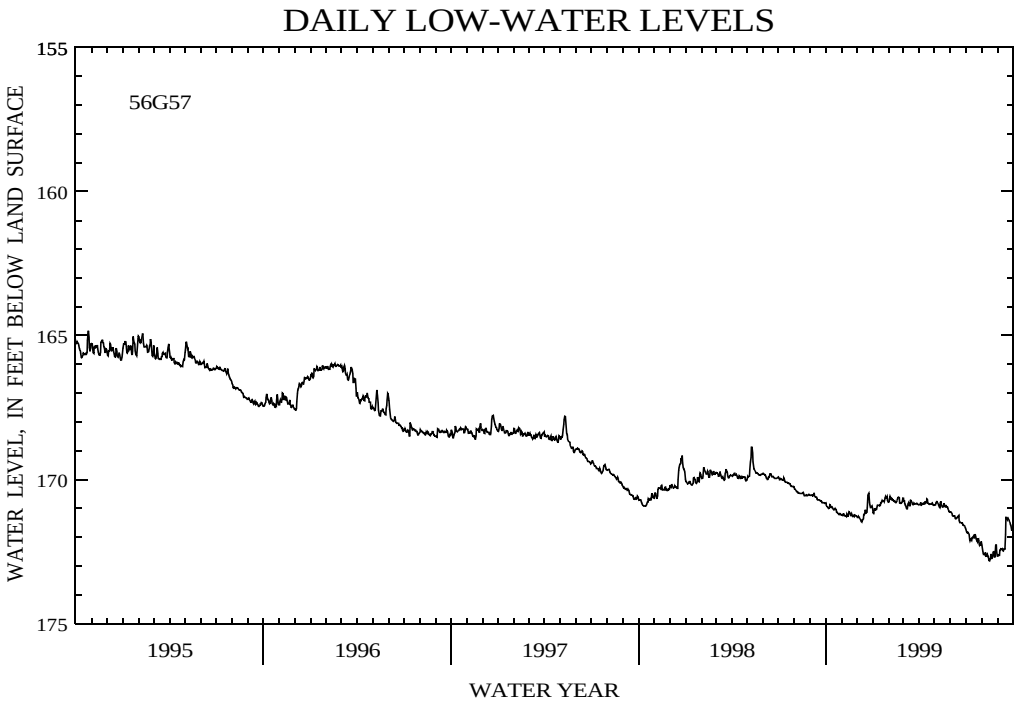
DATUM.--Elevation of land-surface datum is 84 ft above sea level, from topographic map. Measuring point: Top of casing, 4.3 ft above land-surface datum.

REMARKS.--Water level affected by regional drawdown.

PERIOD OF RECORD.--May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 155.79 ft below land-surface datum, May 25, 1988; lowest recorded, 172.82 ft below land-surface datum, Aug. 16, 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 | 170.97 | 171.19 | 171.31 | 171.05 | 170.68 | 170.89 | 170.89 | 170.78 | 171.25 | 171.85 | 172.57 | 172.46 |
| 10 | 170.90 | 171.27 | 171.46 | 170.89 | 170.74 | 170.86 | 170.84 | 170.94 | 171.34 | 172.06 | 172.60 | 172.40 |
| 15 | 171.00 | 171.12 | 171.21 | 170.89 | 170.79 | 170.69 | 170.79 | 170.90 | 171.30 | 172.01 | 172.80 | 172.41 |
| 20 | 171.02 | 171.19 | 171.13 | 170.74 | 170.61 | 170.86 | 170.83 | 170.88 | 171.48 | 171.99 | 172.66 | 171.38 |
| 25 | 171.16 | 171.27 | 170.78 | 170.59 | 170.82 | 170.84 | 170.84 | 170.94 | 171.57 | 172.12 | 172.55 | 171.48 |
| EOM | 171.23 | 171.26 | 171.02 | 170.78 | 170.64 | 170.87 | 170.88 | 171.12 | 171.66 | 172.14 | 172.64 | 171.76 |

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|---|---|---|---|
| WATER YEAR 1999 | HIGHEST INSTANTANEOUS | 170.28 | DEC 24, 1998 |
| | LOWEST INSTANTANEOUS | 172.82 | AUG 16, 1999 |