



Water-Data Report 2007

**02024750 JAMES RIVER AT BEDFORD DAM NEAR MAJOR, VA**

James Basin  
Middle James-Buffalo Subbasin

LOCATION.--Lat 37°34'40", long 79°22'36" referenced to North American Datum of 1927, Amherst County, VA, Hydrologic Unit 02080203, on left bank 10 ft upstream from headgates on headrace to City of Bedford hydroelectric plant, 1.2 mi north of Major, and 1.4 mi upstream from Blue Ridge Parkway.

DRAINAGE AREA.--3,070 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 104,000 ft<sup>3</sup>/s, January 20, 1996, gage height, 14.63 ft.

**MAXIMUM PEAK DISCHARGE  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

| Date         | Discharge,<br>in ft <sup>3</sup> /s | Discharge<br>qualification<br>code | Gage height,<br>in ft | Gage height<br>qualification<br>code |
|--------------|-------------------------------------|------------------------------------|-----------------------|--------------------------------------|
| Apr 16, 2007 | 49,000                              | ---                                | 9.25                  | ---                                  |

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

| Date         | Discharge,<br>in ft <sup>3</sup> /s | Gage height,<br>in ft |
|--------------|-------------------------------------|-----------------------|
| Oct 24, 2006 | 2,100                               | 6.12                  |
| Dec 20, 2006 | 1,290                               | 6.02                  |
| Feb 27, 2007 | 4,790                               | 6.51                  |