

## Shenandoah River Watershed Facts

**River Miles:** The North Fork is app. 95 miles long and the main South Fork is app. 150 miles. The main Shenandoah River is 57 miles long for a total of over 300 miles.

**Width:** Average 150 feet

**Elevation:** ~1,000 feet

**Drainage area:** 2,937 square miles (counties of Highland, Frederick, Clarke, Warren, Shenandoah, Rockingham, Page, Augusta; Cities of Staunton, Waynesboro, Harrisonburg, and Winchester).

**Population:** More than 300,000

**An impaired river:** Nearly the full length (over 1400 miles of rivers and streams) of the Shenandoah River watershed is listed as impaired (polluted) by the Virginia Department of Environmental Quality.

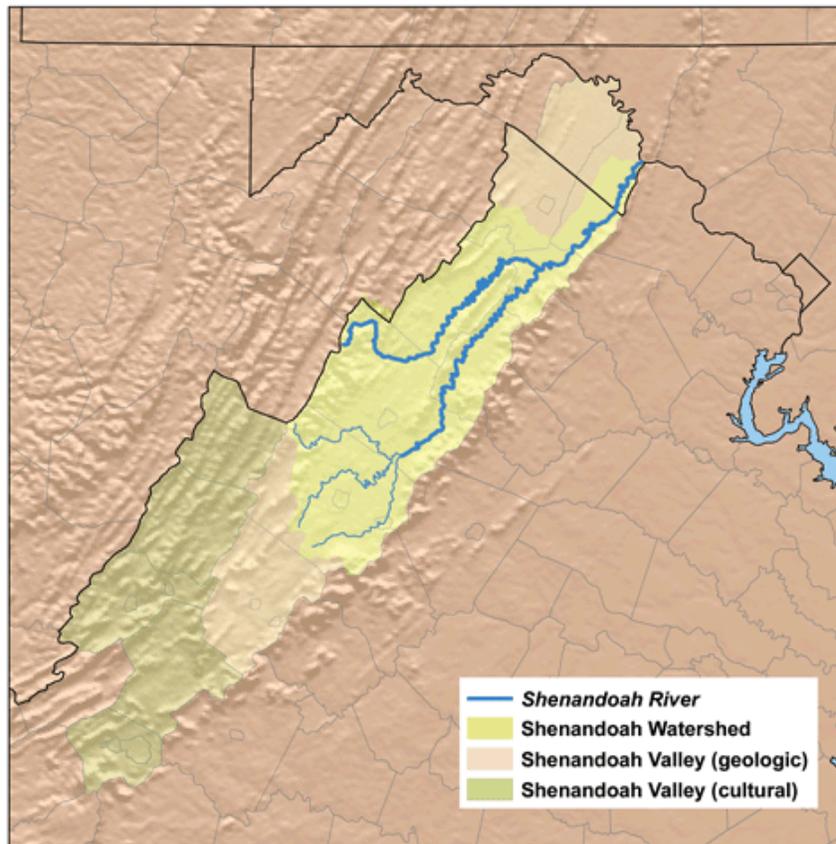
**Sources of impairment:** fecal coliform, benthic, mercury, PCBs

**Nutrient pollution going into the Shenandoah River (2004 data):**

Total Nitrogen: 3.74 million lbs.

Total Phosphorus: 526,514 lbs.

According to USGS data, groundwater levels of nitrate are among the highest in nation.



**Sources:** [http://en.wikipedia.org/wiki/File:Shenandoah\\_watershed.png](http://en.wikipedia.org/wiki/File:Shenandoah_watershed.png)  
<http://www.cbf.org/document.doc?id=235>  
[http://va.water.usgs.gov/vawater\\_data .htm](http://va.water.usgs.gov/vawater_data.htm)

