## Fact Sheets for Category 5 Waters

RIVER BASIN: Potomac River & Shenandoah River Basins

CITY/COUNTY: Prince William

STREAM NAME: Powells Creek

HYDROLOGIC UNIT: 02070011

TMDL ID: VAN-A26R-02

ASSESSMENT CATEGORY: 5A

SEGMENT SIZE: 5.02 - Miles

INITIAL LISTING: 2002 TMDL SCHEDULE: 2014

**UPSTREAM LIMIT:** 

**DESCRIPTION:** Approximately 0.2 rivermiles below Lake Montclair

RIVER MILE: 7.20

**LATITUDE:** 38.61056 **LONGITUDE:** -77.33972

**DOWNSTREAM LIMIT:** 

**DESCRIPTION:** End of the free flowing waters

RIVER MILE: ~2.18

LATITUDE: 38.58972 LONGITUDE: -77.28389

Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream to the end of the free flowing waters of Powells Creek.

## **CLEAN WATER ACT GOAL AND USE SUPPORT:**

Recreation Use - Not Supporting, Fish Consumption Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform (2002), Fish Tissue - PCBs, PAH (2002)

The listing of this stream segment is based on data from the DEQ's ambient water quality monitoring and fish tissue/sediment monitoring station 1APOW003.11 at the Route 1 bridge. Note that fish tissue sampling was conducted in 1996. Monitoring data from this station revealed the following during the 2004 water quality assessment period:

- 1) Not supporting of the Recreation Use goal due to exceedances of the instantaneous fecal coliform bacteria criterion (2 of 15 samples 13.3%);
- 2) Not supporting of the Fish Consumption Use goal due to exceedances of the water quality standard criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) and 15 ppb for benzo(k)fluoranthene in fish tissue. Exceedance of the TV for PCB's was recorded in three fish species in 1996 (largemouth bass, bullhead catfish and sunfish). Exceedance of the TV for benzo(k)fluoranthene was exceeded in two species (largemouth bass and sunfish). Although the fish tissue sampling occurred prior to the assessment window for the 2004 water quality assessment, the impairment remains because of the 1996 fish tissue data.

IMPAIRMENT SOURCE: Unknown

The source of impairments is unknown.