Watershed Overview

Wappasening Creek flows northwest into the Susquehanna River at Nichols, NY. The watershed is primarily in northeastern Bradford County, PA, and southern Tioga County, NY, with a portion extending into Susquehanna County, PA. The monitoring station along Wappasening Creek is located in the middle portion of watershed, near Windham, PA.

Drainage Area Characteristics

Monitored Drainage Area: 47 mi²

Population (2010): 1,236

Total Stream Miles: 101 miles
- 96.5 miles are designated as Cold Water Fisheries
- 1.8 miles are designated Class C Streams
- 5.1 miles have no designation

Stream miles impaired and dominant source/cause: 1.8 miles impaired by animal feeding agriculture

Average Annual Flow at Station (NHD): 61.9 cubic feet per second (cfs)

Maximum Flow Time from Headwaters: 14 hrs. 24 min.

Land Use (2006):
- Forest: 63.6%
- Grassland/Herbaceous: 1.9%
- Agricultural: 33%
- Developed: 0.7%
- Barren/Extractive: 0%
- Water: 0.6%
- Wetlands: 0.2%

Natural Gas Drilling Pads (as tracked by SRBC): 23

Permitted Natural Gas Water Withdrawals: 1 Frac Water Withdrawals

Public Water Supply: 2 Groundwater Withdrawals and 0 Surface Water Withdrawals

Permitted Discharges and Type (NPDES sites):
- Industrial: 0
- Stormwater: 0
- Wastewater Treatment Plant: 1
- Frac Wastewater Treatment Plant: 0

Underlying Geology: Interbedded Sedimentary