

# RESULTS

## Aquashicola Creek Watershed

### Aquashicola Creek (HQ-CWF, MF)

**SITE ID:** AQUACR09      **MUNICIPALITY:** Eldred Township

**SUBCOREGION:** Northern Shale Valleys and Slopes < 10 square miles

**SITE LOCATION:** Approximately 100 yards upstream of the bridge on Mountain Road, near County border.

**LATITUDE:** 40° 49' 45.95"      **LONGITUDE:** -75° 26' 45.17"

**YEARS TESTED:** 2007 - 1995

Water chemistry samples for lab analysis were not collected at this site and all field chemistry parameters were within acceptable levels. A habitat score of 204 placed this site in the optimal category. The biological assessment score of 31 placed this site in the optimal category for the Northern Shale Valleys and Slopes < 10 square miles scoring scheme.

**SITE ID:** AQUACR10      **MUNICIPALITY:** Eldred Township

**SUBCOREGION:** Northern Shale Valleys and Slopes < 10 square miles

**SITE LOCATION:** At the Kunkletown Rod and Gun Club, immediately downstream of bridge on the private drive.

**LATITUDE:** 40° 50' 28.58"      **LONGITUDE:** -75° 25' 24.34"

**YEARS TESTED:** 2007 - 2004

All water chemistry parameters tested at this site were within acceptable limits. The habitat score of 192 placed this site in the suboptimal-optimal category. The biological assessment score of 29 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes < 10 square miles scoring scheme.

### Buckwha Creek (CWF)

**SITE ID:** BUCKCR01      **MUNICIPALITY:** Eldred Township

**SUBCOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 200 yards downstream of stone bridge in Kunkletown.

**LATITUDE:** 40° 50' 50.15"      **LONGITUDE:** -75° 27' 03.63"

**YEARS TESTED:** 2007 - 2005, 1994, 1992, 1991, 1990, 1985

The habitat score of 168 placed this site in the suboptimal category. Fecal coliform levels were highly elevated at this site. The biological assessment score of 27 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes, Riffle/Run >10 square miles scoring scheme.

## **Brodhead Creek Watershed**

### **Brodhead Creek** (HQ-CWF / TSF, MF)

**SITE ID:** BRODCR01      **MUNICIPALITY:** Barrett Township

**SUBECOREGION:** Low Pocono > 10 square miles

**SITE LOCATION:** Approximately 50 yards upstream of Brinker's Bridge, at the intersection of Route 447 and Mill Creek Road.

**LATITUDE:** 41° 09' 52.13"      **LONGITUDE:** -75° 14' 27.35"

**YEARS TESTED:** 2007 - 1995, and 1985

Water chemistry samples for lab analysis were not collected at this site and all field chemistry parameters were within acceptable levels. This site had a habitat score of 194, placing it in the optimal category. The biological assessment score was 35, ranking in the optimal category for the Low Pocono, Riffle/Run >10 square miles scoring scheme. This site demonstrates consistent trending for macroinvertebrates.

**SITE ID:** BRODCR12      **MUNICIPALITY:** Stroud Township

**SUBECOREGION:** Low Pocono > 10 square miles

**SITE LOCATION:** Approximately 100 yards downstream of the bridge on Route 191, near its intersection with Route 447.

**LATITUDE:** 41° 02' 10.75"      **LONGITUDE:** -75° 12' 35.32"

**YEARS TESTED:** 2007 - 1995

This site had a habitat score of 190, placing it in the suboptimal category. The biological assessment score of 27 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run >10 square miles scoring scheme.

**SITE ID:** BRODCR13      **MUNICIPALITY:** Smithfield Township

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 200 yards upstream of its mouth where it meets the Delaware River. DWGNRA boundary control point.

**LATITUDE:** 40° 59' 26.95"      **LONGITUDE:** -75° 08' 06.47"

**YEARS TESTED:** 2007 - 1998

This site had a habitat score of 151, placing it in the suboptimal category. The biological assessment score of 17 placed this site in the severely impaired category for the Northern Shale Valleys and Slopes > 10 square miles scoring scheme.

## **Brodhead Creek**

**SITE ID:** BRODCR14      **MUNICIPALITY:** Stroud Township  
**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles  
**SITE LOCATION:** Immediately downstream of bridge at intersection of Stokes Mill Rd. and Stokes Ave.  
**LATITUDE:** 41° 0' 56.91"      **LONGITUDE:** -75° 11' 56.08"  
**YEARS TESTED:** 2007, 2006

This site had a habitat score of 196, placing it in the optimal category. The biological assessment score of 29 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes > 10 square miles scoring scheme.

**SITE ID:** BRODCR15      **MUNICIPALITY:** Stroud Township  
**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles  
**SITE LOCATION:** Directly behind Moose Lodge (site chosen for proposed STP outfall).  
**LATITUDE:** 41° 00' 43.25"      **LONGITUDE:** -75° 11' 40.26"  
**YEARS TESTED:** 2007, 2006

This site had a habitat score of 164, placing it in the suboptimal category. The biological assessment score of 29 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes > 10 square miles scoring scheme.

## **Butz Run** (HQ-CWF)

**SITE ID:** BUTZRU01      **MUNICIPALITY:** Paradise Township  
**SUBECOREGION:** Low Pocono < 10 square miles  
**SITE LOCATION:** Approximately 50 yards upstream of confluence with Paradise Creek.  
**LATITUDE:** 41° 04' 41.20"      **LONGITUDE:** -75° 13' 44.50"  
**YEARS TESTED:** 2007 - 2003

All parameters tested at this site were within acceptable limits. A habitat score of 158 placed this site in the suboptimal category. The biological assessment score of 23 placed this site in the moderately impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

### **Cranberry Creek** (HQ-CWF)

**SITE ID:** CRCRST02      **MUNICIPALITY:** Stroud Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Hallet Road below Penn Estates @ private bridge on Griffen Property.

**LATITUDE:** 41° 02' 25.30"      **LONGITUDE:** -75° 13' 23.38"

**YEARS TESTED:** 2007, 2006

This stream is not yet classified in Title 25 of the Pennsylvania code, but is an unnamed tributary to the Brodhead Creek which is classified HQ-CWF.

A habitat score of 168 placed this site in the suboptimal category. The biological assessment score of 17 placed this site in the severely impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme. This site exhibited an excess of nitrate plus nitrite as Nitrogen, which has a maximum limit of 10 mg/l and was identified at 15.3 mg/l. Total phosphorus for this site was 2.04 mg/l, which exceeded the maximum limit of 0.1mg/l for rivers and streams.

### **Cranberry Creek (Paradise Creek Watershed)** (HQ-CWF)

**SITE ID:** CRCRPA01      **MUNICIPALITY:** Paradise Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 75 yards upstream of Browns Hill Road.

**LATITUDE:** 41° 06' 03.80"      **LONGITUDE:** -75° 14' 58.60"

**YEARS TESTED:** 2007, 2006

The temperature at this site was above recommended levels. A habitat score of 182 placed this site in the suboptimal category. The biological assessment score of 31 placed this site in the optimal category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

### **Devils Hole Creek** (HQ-CWF)

**SITE ID:** DEHOCR04      **MUNICIPALITY:** Paradise Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 15 yards upstream of confluence with Paradise Creek.

**LATITUDE:** 41° 07' 54.00"      **LONGITUDE:** -75° 18' 50.00"

**YEARS TESTED:** 2007 - 2003

The fecal coliform level was above the recommended levels. A habitat score of 173 placed this site in the suboptimal category. The biological assessment score of 33 placed this site in the optimal category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

### **Forest Hills Run** (HQ-CWF)

**SITE ID:** FOHIRU01      **MUNICIPALITY:** Paradise Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 25 yards upstream of Lower Swiftwater Road.

**LATITUDE:** 41° 06' 03.10"      **LONGITUDE:** -75° 16' 20.40"

**YEARS TESTED:** 2007 - 2003, 1991, 1985

The temperature at this site was above recommended levels. A habitat score of 181 placed this site in the suboptimal category. The biological assessment score of 23 placed this site in the moderately impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

**SITE ID:** FOHIRU06      **MUNICIPALITY:** Paradise Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 75 yards upstream of stream crossing at Mt Airy Lodge parking lot.

**LATITUDE:** 41° 06' 46.00"      **LONGITUDE:** -75° 19' 34.90"

**YEARS TESTED:** 2007 - 2005, 2003, 1990

The total phosphorus detected at 0.162 exceeds the maximum limit which is 0.1. The ammonia (NH<sub>3</sub>) detected at 0.133 which was above the acceptable limits and gill damage begins at >0.06 mg/l. A habitat score of 182 placed this site in the suboptimal category. The biological assessment score of 17 placed this site in the severely impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

**SITE ID:** FOHIRU09      **MUNICIPALITY:** Paradise Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 25 yards downstream of Carlton Road.

**LATITUDE:** 41° 06' 51.00"      **LONGITUDE:** -75° 18' 42.30"

**YEARS TESTED:** 2007 - 2003

The temperature level at this site was above recommended levels. A habitat score of 181 placed this site in the suboptimal category. The biological assessment score of 17 placed this site in the severely impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

### **Indian Run** (HQ-CWF)

**SITE ID:** INDIRU01      **MUNICIPALITY:** Pocono Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Immediately upstream of Fairview Ave.

**LATITUDE:** 41° 06' 20.88"      **LONGITUDE:** -75° 22' 27.05"

**YEARS TESTED:** 2007 - 2005, 2003, 1998, 1997

No water chemistry samples were collected for lab analysis at this site. All water chemistry parameters tested at this site were within acceptable limits. A habitat score of 212 placed this site in the optimal category. The biological assessment score of 33 placed this site in the optimal category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Marshalls Creek** (HQ-CWF)

**SITE ID:** MARSCR08      **MUNICIPALITY:** Smithfield Township

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 50 yards upstream of bridge on Route 209.

**LATITUDE:** 41° 02' 05.17"      **LONGITUDE:** -75° 07' 26.94"

**YEARS TESTED:** 2007 - 1996

No water chemistry samples were collected for lab analysis at this site. This site had a habitat score of 192, placing it in the optimal category. The biological assessment score of 31 placed this site in the optimal category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

**SITE ID:** MARSCR09      **MUNICIPALITY:** Smithfield Township

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 25 yards upstream of bridge on County Bridge Road.

**LATITUDE:** 41° 01' 32.77"      **LONGITUDE:** -75° 07' 50.92"

**YEARS TESTED:** 2007 - 1996

No water chemistry samples were collected for lab analysis at this site. This site continues to display a temperature slightly above the recommended maximum. A habitat score of 193 placed this site in the optimal category. The biological assessment score of 29 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

## **Middle Branch** (HQ-CWF)

**SITE ID:** MIDDBR01      **MUNICIPALITY:** Barrett Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 25 yards upstream of Golf Drive, west of intersection with Rte 447.

**LATITUDE:** 41° 12' 22.40"      **LONGITUDE:** -75° 15' 57.60"

**YEARS TESTED:** 2007; 1989

This site contained an elevated fecal coliform level, and all other parameters tested at this site were within acceptable limits. A habitat score of 198 placed this site in the suboptimal category. The biological assessment score of 27 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Paradise Creek** (HQ-CWF)

**SITE ID:** PARACR01      **MUNICIPALITY:** Paradise Township

**SUBECOREGION:** Low Pocono > 10 square miles

**SITE LOCATION:** Approximately 50 yards upstream of Lower Swiftwater Road.

**LATITUDE:** 41° 06' 07.30"      **LONGITUDE:** -75° 16' 07.60"

**YEARS TESTED:** 2007 - 2003, 1988, 1985

The temperature was 20.4 °c which is elevated above the maximum limit for CWF at 18.9 °c, the habitat score of 169 placed this site in the suboptimal category. The biological assessment score of 29 placed this site in the optimal category for the Low Pocono, Riffle/Run > 10 square miles scoring scheme.

**SITE ID:** PARACR03      **MUNICIPALITY:** Stroud Township

**SUBECOREGION:** Low Pocono > 10 square miles

**SITE LOCATION:** Approximately 150 yards upstream of the railroad bridge on Route 191.

**LATITUDE:** 41° 04' 19.60"      **LONGITUDE:** -75° 13' 36.40"

**YEARS TESTED:** 2007 - 2003, 1995, 1985

The temperature was 20.6 °c which is elevated above the maximum limit for CWF at 18.9 °c. A habitat score of 201 placed this site in the optimal category. This site had a replicate taken, the biological assessment score of 31/31 placed this site in the optimal category for the Low Pocono, Riffle/Run > 10 square miles scoring scheme.

**SITE ID:** PARACR04      **MUNICIPALITY:** Paradise Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 50 yards downstream of confluence of Tank Creek and Yankee Run.

**LATITUDE:** 41° 07' 43.80"      **LONGITUDE:** -75° 18' 57.80"

**YEARS TESTED:** 2007 - 2003, 1985

All parameters tested at this site were within acceptable limits. A habitat score of 163 placed this site in the suboptimal category. The biological assessment score of 31 placed this site in the optimal category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Swiftwater Creek** (HQ-CWF)

**SITE ID:** SWIFCR02      **MUNICIPALITY:** Paradise Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 25 yards downstream of its confluence with Forest Hills Run.

**LATITUDE:** 41° 06' 03.70"      **LONGITUDE:** -75° 16' 16.70"

**YEARS TESTED:** 2007 - 2003, 1988

Temperature was elevated this year. A habitat score of 154 placed this site in the suboptimal category. The biological assessment score of 25 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Swiftwater Creek** (HQ-CWF)

**SITE ID:** SWIFCR03      **MUNICIPALITY:** Pocono Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Immediately downstream of old bridge at the Swiftwater Inn (Route 611).

**LATITUDE:** 41° 05' 39.90"      **LONGITUDE:** -75° 19' 41.70"

**YEARS TESTED:** 2007 -1990, 1988

All water chemistry parameters tested at this site were within acceptable limits. This site placed in the optimal category with a habitat score of 195. A biological assessment score of 29 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run <10 square miles scoring scheme.

**SITE ID:** SWIFCR05      **MUNICIPALITY:** Pocono Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 200 yards downstream of sanofi pasteur property.

**LATITUDE:** 41° 05' 41.00"      **LONGITUDE:** -75° 18' 34.10"

**YEARS TESTED:** 2007 -1990

All water chemistry parameters tested at this site were within acceptable limits; except fecal coliform. A habitat score of 196 placed this site in the optimal category for the habitat analysis. A biological assessment score of 31 placed this site in the optimal category for the Low Pocono, Riffle/Run <10 square miles scoring scheme.

**SITE ID:** SWIFCR06      **MUNICIPALITY:** Paradise Township

**SUBCOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 20 yards upstream of its confluence with Forest Hills Run.

**LATITUDE:** 41° 06' 06.80"      **LONGITUDE:** -75° 16' 18.80"

**YEARS TESTED:** 2007 - 2003, 1991

Temperature was elevated this year. A habitat score of 203 placed this site in the optimal category. The biological assessment score of 21 placed this site in the moderately impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Swiftwater Creek** (HQ-CWF)

**SITE ID:** SWIFCR07      **MUNICIPALITY:** Pocono Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 75 yards upstream of Rt. 314.

**LATITUDE:** 41° 06' 02.00"      **LONGITUDE:** -75° 20' 51.39"

**YEARS TESTED:** 2007 - 2001

All field parameters tested at this site were within acceptable limits; except fecal coliform. A habitat score of 195 placed this site in the optimal category. The biological assessment score of 25 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Pine Mt. Run** (HQ-CWF)

**SITE ID:** PINEMTRU01      **MUNICIPALITY:** Price Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Downstream of bridge at intersection of Rte 447 and Manzanedo Rd.

**LATITUDE:** 41° 06' 18.85"      **LONGITUDE:** -75° 13' 09.67"

**YEARS TESTED:** 2007

All parameters tested at this site were within acceptable limits, except fecal coliform. A habitat score of 210 placed this site in the optimal category. The biological assessment score of 29 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Pocono Creek** (HQ-CWF)

**SITE ID:** POCOCR14      **MUNICIPALITY:** Stroudsburg Borough

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 50 yards upstream of its confluence with McMichael Creek.

**LATITUDE:** 40° 58' 48.50"      **LONGITUDE:** -75° 11' 46.60"

**YEARS TESTED:** 2007 - 1999, 1995

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. Temperature was elevated again this year. The habitat score of 192 placed this site in the optimal category. The biological assessment score of 27 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

## **Pocono Creek** (HQ-CWF)

**SITE ID:** POCOCR15      **MUNICIPALITY:** Pocono Township

**SUBECOREGION:** Low Pocono > 10 square miles

**SITE LOCATION:** Approximately 25 yards upstream of the bridge on Rim Rock Drive.

**LATITUDE:** 41° 00' 13.00"      **LONGITUDE:** -75° 16' 48.70"

**YEARS TESTED:** 2007 - 1999

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. All water chemistry parameters tested at this site were within acceptable limits, except fecal coliform and temperature. There was obvious sediment deposition due to a prior rain event. The habitat score of 188 is within the suboptimal range of supportive habitat. This site placed in the optimal category for the Low Pocono, Riffle/Run > 10 square miles scoring scheme with a biological assessment of 29.

**SITE ID:** POCOCR16      **MUNICIPALITY:** Pocono Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 200 yards south of Mountain View Village, approximately 10 yards downstream of its confluence with Coolmoor Creek.

**LATITUDE:** 41° 03' 06.00"      **LONGITUDE:** -75° 20' 16.90"

**YEARS TESTED:** 2007 - 1999

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. All water chemistry parameters tested at this site were within acceptable limits. A habitat score of 185 placed this site in the suboptimal category. This site scored a 27 in its biological assessment, which placed it in the slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

**SITE ID:** POCOCR17      **MUNICIPALITY:** Pocono Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 50 yards downstream of Sullivan Trail.

**LATITUDE:** 41° 03' 02.70"      **LONGITUDE:** -75° 19' 15.80"

**YEARS TESTED:** 2007 - 2000

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. All water chemistry parameters tested at this site were within acceptable limits except fecal coliform. A habitat score of 174 placed this site in the suboptimal category. This site ranked in the slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme with a biological assessment score of 27.

## **Pocono Creek** (HQ-CWF)

**SITE ID:** POCOCR18      **MUNICIPALITY:** Stroud Township

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 50 yards downstream of Shafers School House Road.

**LATITUDE:** 40° 59' 27.60"      **LONGITUDE:** -75° 15' 19.10"

**YEARS TESTED:** 2007 - 2000

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. All water chemistry parameters tested at this site were within acceptable limits except temperature and again fecal coliform at 830 EST. This site placed in the suboptimal category for habitat with a score of 185. The biological assessment score of 31 placed this site in the optimal category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

**SITE ID:** POCOCR20      **MUNICIPALITY:** Pocono Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 15 yards downstream of its confluence with Wolf Swamp Run.

**LATITUDE:** 41° 03' 34.90"      **LONGITUDE:** -75° 22' 11.80"

**YEARS TESTED:** 2007 - 2001

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. This site contained slightly elevated levels of fecal coliform, all other water chemical parameters tested at this site were within acceptable limits. A habitat score of 209 placed this site in the optimal category. The biological assessment score of 29 indicates slight impairment for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Scotrun Creek** (HQ-CWF)

**SITE ID:** SCOTCR04      **MUNICIPALITY:** Pocono Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** Approximately 100 yards upstream of bridge at the Crossings Factory Stores overflow parking area.

**LATITUDE:** 41° 04' 05.30"      **LONGITUDE:** -75° 19' 10.20"

**YEARS TESTED:** 2007 - 2003

This site is being tested as part of the Pocono Creek Sustainable Watershed Management Project. The water chemistry parameters tested at this site that were not within acceptable limits include temperature and fecal coliform at 790 EST. The habitat score of 156 indicates a suboptimal habitat (riparian impacts and lack of instream cover). A duplicate sample was taken at this site. The biological assessment score of 21/25 placed this site in the moderately/slightly impaired category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Bushkill Creek Watershed**

### **Bushkill Creek** (HQ-TSF)

**SITE ID:** BUSHCR07      **MUNICIPALITY:** Middle Smithfield Township

**SUBECOREGION:** Low Pocono > 10 square miles

**SITE LOCATION:** Approximately 100 yards downstream of Middle Smithfield STP discharge.  
DWGNRA boundary control point.

**LATITUDE:** 41° 05' 03.30"      **LONGITUDE:** -75° 01' 20.96"

**YEARS TESTED:** 2007 -1991

No water chemistry samples were collected for lab analysis at this site. A habitat score of 216 placed this site in the optimal category. The biological assessment score of 27 placed this site in the slightly impaired category for the Low Pocono, Riffle/Run >10 square miles scoring scheme.

## **Cherry Creek Watershed**

### **Cherry Creek** (CWF - MF)

**SITE ID:** CHERCR11      **MUNICIPALITY:** Delaware Water Gap Borough

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Over the dike at the corner of the Laird Technologies parking lot.

**LATITUDE:** 41° 02' 25.30"      **LONGITUDE:** -75° 13' 23.38"

**YEARS TESTED:** 2007, 2006, 2004 - 1995

The temperature was elevated at this site. A habitat score of 189 placed this site in the suboptimal category. The biological assessment score of 33 placed this site in the optimal category for the Northern Shale Valleys and Slopes > 10 square miles scoring scheme.

## **Delaware River Watershed**

### **Shawnee Creek**

**SITE ID:** SHAWCR05      **MUNICIPALITY:** Smithfield Township

**SUBECOREGION:** Northern Shale Valleys and Slopes < 10 square miles

**SITE LOCATION:** At Intersection of Hollow Road and River Road behind art studio.

**LATITUDE:** 41° 00' 42.76"      **LONGITUDE:** -75° 06' 39.34"

**YEARS TESTED:** 2007

This stream is not yet classified in Title 25 of the Pennsylvania code, but is an unnamed tributary to the Delaware River which is classified HQ-CWF.

The temperature was slightly elevated at this site. A habitat score of 196 placed this site in the optimal category. The biological assessment score of 35 placed this site in the optimal category for the Northern Shale Valleys and Slopes < 10 square miles scoring scheme.

## **Lehigh River Watershed**

### **Lehigh River** (HQ-CWF)

**SITE ID:** LEHIRI01      **MUNICIPALITY:** Coolbaugh Township

**SUBECOREGION:** Pocono Plateau > 10 square miles

**SITE LOCATION:** Above STP in Thornhurst.

**LATITUDE:** 41° 10' 33.26"      **LONGITUDE:** -75° 35' 01.47"

**YEARS TESTED:** 2007, 2006

The temperature was slightly elevated at this site. This site placed in the optimal category with a habitat score of 209. The biological assessment score of 26 placed this site in the optimal category for Pocono Plateau, Riffle/Run >10 square miles scoring scheme.

**SITE ID:** LEHIRI02      **MUNICIPALITY:** Coolbaugh Township

**SUBECOREGION:** Pocono Plateau > 10 square miles

**SITE LOCATION:** Below STP in Thornhurst.

**LATITUDE:** 41° 10' 20.99"      **LONGITUDE:** -75° 35' 19.56"

**YEARS TESTED:** 2007, 2006

The temperature was slightly elevated at this site. This site placed in the suboptimal category with a habitat score of 183. The biological assessment score of 24 placed this site in the slightly impaired category for the Pocono Plateau, Riffle/Run >10 square miles scoring scheme.

## **McMichael Creek Watershed**

### **McMichael Creek** (EV / HQ-CWF / TSF)

**SITE ID:** MCMICR21      **MUNICIPALITY:** Stroudsburg Borough

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 30 yards downstream of its confluence with Pocono Creek.

**LATITUDE:** 40° 58' 47.75"      **LONGITUDE:** -75° 11' 45.02"

**YEARS TESTED:** 2007 - 1996

The habitat score of 174 placed this site in the suboptimal category. The biological assessment score of 29 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

## **McMichael Creek** (EV / HQ-CWF / TSF)

**SITE ID:** MCMICR30      **MUNICIPALITY:** Stroudsburg Borough

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** Approximately 300 yards downstream of Stroudsburg STP discharge.

**LATITUDE:** 40° 59' 16.63"      **LONGITUDE:** -75° 11' 06.75"

**YEARS TESTED:** 2007 - 2004

All water chemistry parameters tested at this site were within acceptable limits, except total phosphorous detected at 0.966mg/l and the maximum recommended level is 0.1mg/l. The habitat score of 177 placed this site in the suboptimal category. The biological assessment score of 27 placed this site in the slightly impaired category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

## **Pohopoco Creek Watershed**

### **Jonas Creek** (EV)

**SITE ID:** JONASCR01      **MUNICIPALITY:** Polk Township

**SUBECOREGION:** Low Pocono < 10 square miles

**SITE LOCATION:** South of Dotters Corner Road immediately upstream of bridge.

**LATITUDE:** 40° 58' 01.16"      **LONGITUDE:** -75° 30' 48.20"

**YEARS TESTED:** 2007, 2006

All water chemistry parameters tested at this site were within acceptable limits. A habitat score of 195 placed this site in the optimal category. The biological assessment score of 33 ranked in the optimal category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

### **Pohopoco Creek** (HQ-CWF)

**SITE ID:** POHOCR06      **MUNICIPALITY:** Polk Township

**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles

**SITE LOCATION:** At Berger Road (where stream bends to the west near the road) at the County line.

**LATITUDE:** 40° 53' 58.09"      **LONGITUDE:** -75° 30' 24.70"

**YEARS TESTED:** 2007 - 1995

The habitat score of 212 placed this site in the optimal category. The biological assessment score of 31 placed this site in the optimal category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

## **Pohopoco Creek** (HQ-CWF)

**SITE ID:** POHOCR08      **MUNICIPALITY:** Chestnuthill Township  
**SUBECOREGION:** Northern Shale Valleys and Slopes > 10 square miles  
**SITE LOCATION:** Upstream of 209 bridge at Beechwood Inn.  
**LATITUDE:** 40° 54' 56.74"      **LONGITUDE:** -75° 26' 09.29"  
**YEARS TESTED:** 2007, 2006

The habitat score of 164 placed this site in the suboptimal category. The biological assessment score of 33 placed this site in the optimal category for the Northern Shale Valleys and Slopes, Riffle/Run > 10 square miles scoring scheme.

## **Weir Creek** (CWF)

**SITE ID:** WEIRCR02      **MUNICIPALITY:** Chestnuthill Township  
**SUBECOREGION:** Northern Shale Valleys and Slopes < 10 square miles  
**SITE LOCATION:** Approximately 25 yards upstream of County Park Rd.  
**LATITUDE:** 40° 54' 29.40"      **LONGITUDE:** -75° 25' 50.20"  
**YEARS TESTED:** 2007 - 2005, 2001, 2000

The fecal coliform level was elevated again. A habitat score of 178 placed this site in the suboptimal category. The biological assessment score was 21, which ranks in the moderately impaired category for the Northern Shale Valleys and Slopes, Riffle/Run < 10 square miles scoring scheme.

## **Tobyhanna Creek Watershed**

### **Tobyhanna Creek** (HQ-CWF)

**SITE ID:** TOBYCR01      **MUNICIPALITY:** Coolbaugh Township  
**SUBECOREGION:** Pocono Plateau > 10 square miles  
**SITE LOCATION:** Approximately 75 yards downstream of S.R. 423 bridge at east boundary of Warnertown and State Game Lands.  
**LATITUDE:** 41° 09' 43.52"      **LONGITUDE:** -75° 27' 23.58"  
**YEARS TESTED:** 2007 - 2005, 1998

Temperature was elevated at this site. A habitat score of 182 placed this site in the suboptimal category. The biological assessment score of 26 placed this site in the optimal category for the Pocono Plateau, Riffle/Run >10 square miles scoring scheme.

## **Tobyhanna Creek** (HQ-CWF)

**SITE ID:** TOBYCR14      **MUNICIPALITY:** Tobyhanna Township

**SUBECOREGION:** Pocono Plateau > 10 square miles

**SITE LOCATION:** Immediately upstream of the Route 115 bridge, downstream of the STP.

**LATITUDE:** 41° 04' 57.61"      **LONGITUDE:** -75° 35' 00.85"

**YEARS TESTED:** 2007 - 2005, 1998

Temperature was elevated at this site. A habitat score of 186 placed this site in the suboptimal category. The biological assessment score of 26 placed this site in the optimal category for the Pocono Plateau, Riffle/Run >10 square miles scoring scheme.

## **Hawkey Run**

**SITE ID:** HAWKRU01      **MUNICIPALITY:** Coolbaugh Township

**SUBECOREGION:** Pocono Plateau < 10 square miles

**SITE LOCATION:** Approximately 250 yards west of Rte. 380 & 100 yards NE of Stillwater Lake.

**LATITUDE:** 41° 07' 39.52"      **LONGITUDE:** -75° 24' 06.01"

**YEARS TESTED:** 2007, 2005

This stream is not yet classified in Title 25 of the Pennsylvania code, but is a tributary to Upper Tunkhannock Creek which is classified HQ-CWF.

All water chemistry parameters tested at this site were within acceptable limits, except temperature. A habitat score of 24 placed this site in the slightly impaired category. The biological assessment score of 162 placed this site in the suboptimal category for the Low Pocono, Riffle/Run < 10 square miles scoring scheme.

## **Red Run** (HQ-CWF)

**SITE ID:** REDRU03      **MUNICIPALITY:** Coolbaugh Township

**SUBECOREGION:** Pocono Plateau < 10 square miles

**SITE LOCATION:** Approximately 100 yards upstream of Industrial Park Drive.

**LATITUDE:** 41° 07' 44.61"      **LONGITUDE:** -75° 22' 41.84"

**YEARS TESTED:** 2007 - 2002

All field chemistry parameters tested at this site were within acceptable limits. The habitat score of 152 placed this site in the suboptimal category. The biological assessment score of 16 placed this site in the moderately impaired category for the Pocono Plateau, Riffle/Run < 10 square miles scoring scheme.

## **Tunkhannock Creek** (HQ-CWF)

**SITE ID:** TUNKCR03      **MUNICIPALITY:** Tunkhannock Township

**SUBECOREGION:** Pocono Plateau > 10 square miles

**SITE LOCATION:** Approximately 100 yards upstream of Route 115 bridge, near its intersection with Rte 903.

**LATITUDE:** 41° 03' 30.20"      **LONGITUDE:** -75° 33' 13.07"

**YEARS TESTED:** 2007 - 1993

Water chemistry samples for lab analysis were not collected at this site and all field chemistry parameters were within acceptable levels, except temperature. This site placed in the optimal category with a habitat score of 208. The biological assessment score of 30 placed this site in the optimal category for the Pocono Plateau, Riffle/Run >10 square miles scoring scheme.

**SITE ID:** TUNKCR07      **MUNICIPALITY:** Tunkhannock Township

**SUBECOREGION:** Pocono Plateau Glide/Pool

**SITE LOCATION:** Immediately upstream of the stone bridge on Hypsy Gap Road.

**LATITUDE:** 41° 01' 52.03"      **LONGITUDE:** -75° 26' 59.06"

**YEARS TESTED:** 2007

Stream temperature was elevated at this site. Water chemistry samples for lab analysis were not collected. The habitat score of 177 placed this site in the suboptimal category. The biological assessment score of 26 placed this site in the slightly impaired category for the Pocono Plateau Glide/Pool scoring scheme.