

# **Pennsylvania DEP's Six-Year Plan for TMDL Development**

Developed by the Bureau of Water Supply and Wastewater Management  
Updated March 2004

## Introduction

The Department of Environmental Protection focuses on watershed management processes that take a comprehensive approach to water pollution control addressing polluted runoff, or nonpoint source pollution, as well as point sources of pollution.

The watershed approach requires selection or definition of watershed size and begins with a comprehensive assessment of water quality in the watershed. After water quality impairments are identified, a planning process occurs to develop strategies that can successfully address and correct water pollution in the watershed. Pennsylvania is using this process together with federal Clean Water Act requirements for establishing total maximum pollutant loadings or TMDLs to restore polluted streams so that they meet water quality standards. Water quality standards are the combination of water uses, such as water supply, recreation, and aquatic life, to be protected and the water quality criteria necessary to protect them.

TMDLs can be considered to be a watershed budget for pollutants, representing the total amount of pollutants that can be assimilated by a stream without causing water quality standards to be exceeded. The pollutant allocations resulting from the TMDL process represent the amount of pollutants that can be discharged into a waterway from each source. The TMDL does not specify how dischargers must attain particular load reduction.

In an April 7, 1997 Memorandum Of Understanding with EPA, the Department agreed to a 12-year schedule to develop TMDLs for impaired streams listed on the 1996 CWA Section 303(d) list. Over the years the Department has met those TMDL goals. The Department is also developing methodologies, processes, and computer models to establish TMDLs on a broader scale. In addition, several contracted TMDL initiatives have been undertaken in various parts of the Commonwealth.

In conjunction with managing water resources through a watershed-based approach, the Regional Offices, and District Mining Offices are carrying out the Department's TMDL development, with oversight and coordination from Central Office. The following report presents a plan to schedule this action. It identifies specific impaired waterbody segments from the 1996 and some information on 1998 and 2002 Section 303(d) lists where TMDLs must be established. This plan is a multi-year commitment of Department resources. Although the general elements of the plan will remain valid over time, it will, by necessity, be fluid, changing in response to new information, better tools and emerging priorities.

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TMDL Projection Report

Table 1 outlines the Department’s efforts to meet the TMDL commitments contained in the consent decree between the plaintiffs and EPA. The number of segments that must be completed in each year are identified along with the number of TMDLs completed and approved. Subsequent tables display a specific schedule of milestones for TMDL completion, and specific segments that are intended to meet our submittals through the year 2009. The final table denotes TMDLs that have been completed to date.

Each section contains a narrative and a table that provides a possible solution for meeting the submittal schedule. This version of the plan adds three appendices of maps to illustrate the approximate watershed area to be included in each TMDL.

The 1996 303(d) List has changed as new stream surveys were completed and subsequent lists prepared. Some of the historic listings (prior to 1997, the start of the unassessed waters program) are delisted, or the source and cause of the impairment may be updated by new data. For convenience, TMDLs are considered abandoned mine drainage (AMD) and non-AMD (all others.)

Table 1 contains the Departments commitment to meet the Consent Decree Requirements on the 1996 303(d) List

**Table 1. TMDL Submittals by Year**

| Year | Non-AMD | Cumulative Requirement | Annual Requirement | EPA Approved | AMD  | Cumulative Requirement | Annual Requirement | EPA Approved |
|------|---------|------------------------|--------------------|--------------|------|------------------------|--------------------|--------------|
| 1998 | 5%      | 8                      | 8                  | 8            | 0%   | 0                      | 0                  | 0            |
| 1999 | 10%     | 16                     | 8                  | 8            | (7)  | 7                      | 7                  | 10           |
| 2001 | 40%     | 61                     | 45                 | 46           | 10%  | 43                     | 33                 | 38           |
| 2003 | 60%     | 91                     | 30                 | *20          | 20%  | 85                     | 42                 | 42           |
| 2005 | 80%     | 121                    | 30                 |              | 40%  | 170                    | 85                 |              |
| 2007 | 100%    | 151                    | 30                 |              | 60%  | 255                    | 85                 |              |
| 2009 |         |                        |                    |              | 100% | 424                    | 169                |              |

\* Number represents approvals as of August 18, 2003. EPA anticipates meeting the 2003 requirement on a schedule discussed with the litigants.

Table 2 depicts TMDL development proposed for Non-AMD impaired waters that are projected to be completed by 2005, the next milestone-reporting period identified in Table 1. The scheduled watersheds may be substituted because of concerns with data, methodologies, or other constraints.

**Table 2. Proposed Non-AMD TMDLs for 2005**

| Waterbody Name         | State Water Plan      | Source                    | Cause                 | 1996 List | 1998 List | 2002 List |
|------------------------|-----------------------|---------------------------|-----------------------|-----------|-----------|-----------|
| Lake Wallenpaupack     | 1-C                   | Agriculture               | Nutrients             | 1         | 0         | 0         |
|                        |                       |                           | Suspended Solids      |           |           |           |
|                        |                       | Other Nonpoint Sources    | Nutrients             |           |           |           |
|                        |                       |                           | Suspended Solids      |           |           |           |
| Atmospheric Deposition | Mercury               |                           |                       |           |           |           |
| Lake Ontelaunee        | 3-B                   | Agriculture               | Nutrients             | 1         | 0         | 9         |
|                        |                       | Urban Runoff/Storm Sewers | Suspended Solids      |           |           |           |
|                        |                       | Onsite Wastewater Systems | Nutrients             |           |           |           |
|                        |                       | Municipal Point Sources   | Nutrients             |           |           |           |
| Crosskill Creek (UNT)  | 7-D                   | Agriculture               | Turb/Suspended Solids | 1         | 0         | 0         |
|                        |                       |                           | Bac/Pathogens         |           |           |           |
|                        |                       | Other Point Sources       | DO/BOD                |           |           |           |
| Elizabeth Run          | 7-D                   | Industrial Point Sources  | Turb/Suspended Solids | 2         | 3         | 0         |
|                        |                       | Municipal Point Sources   | Nutrients             |           |           |           |
|                        |                       | Agriculture               | Turb.TSS, Nutrients   |           |           |           |
| Deep Run               | 7-D                   | Municipal Point Sources   | Nutrients             | 1         | 0         | 0         |
|                        |                       | Industrial Point Sources  | Nutrients             |           |           |           |
|                        |                       | Agriculture               | Turbidity/Nutrients   |           |           |           |
| Conestoga River        | 7-J                   | Agriculture/other NPS     | Nutrients             | 3         | 0         | 70        |
|                        | Organic enrichment/DO |                           |                       |           |           |           |
| Lititz Run             | 7-J                   |                           |                       |           |           |           |
| Mill Creek             | 7-J                   |                           |                       |           |           |           |
| Lake Jean              | 5-C                   | Atmospheric Deposition    | pH                    | 1         | 0         | 0         |
| Buffalo Creek          | 10-C                  | Atmospheric Deposition    | pH                    | 1         | 0         | 0         |
| Canonsburg Lake        | 20-F                  | Agricultural              | Nutrients             | 1         | 0         | 0         |
| Little Cedar Creek     | 2-C                   | Urban Runoff/Storm Sewers | Suspended Solids      | 1         | 0         | 0         |
| Wyomissing Creek       | 3-C                   | Urban Runoff              | Cause Unknown         | 1         | 0         | 0         |
| Unt Conemaugh River    | 18-D                  | Agriculture               | Suspended Solids      | 1         | 0         | 0         |
|                        |                       |                           | Nutrients             |           |           |           |
|                        |                       | Urban Runoff/Storm Sewers | Nutrients             |           |           |           |
|                        |                       |                           | Suspended Solids      |           |           |           |
| McCarthy Run           | 18-D                  | Urban Runoff/Storm Sewers | Thermal Modifications | 1         | 0         | 0         |
|                        |                       | Suspended Solids          |                       |           |           |           |
| Marsh Creek            | 18-D                  | Urban Runoff/Storm Sewers | Thermal Modifications | 1         | 0         | 0         |
| Waltz Creek            | 1-F                   |                           | Other                 | 1         | 0         | 0         |
| Skippack Creek         | 3-E                   | Other Non-Point Sources   | Nutrients             | 1         | 0         | 6         |
| Brush Run              | 20-F                  | Urban Runoff/Storm Sewers | Nutrients             | 0         | 0         | 0         |
|                        |                       |                           | Suspended Solids      |           |           |           |
| Cool Spring Creek      | 20-A                  | Agriculture               | Siltation             | 0         | 1         | 0         |
| Neshannock Creek       | 20-A                  | Agriculture               | Siltation             | 0         | 2         | 0         |
| Otter Creek            | 20-A                  | Agriculture               | Nutrients             | 0         | 2         | 0         |
|                        |                       |                           | Organic enrichment/DO |           |           |           |
| Conodoguinet Creek     | 7-B                   | Agriculture               | Nutrients             | 1         | 0         | 0         |
| French Creek           | 16-A                  | Agriculture               | Siltation             | 0         | 0         | 1         |

**Table 2. Proposed Non-AMD TMDLs for 2005**

| Waterbody Name                 | State Water Plan | Source      | Cause                 | 1996 List | 1998 List | 2002 List  |
|--------------------------------|------------------|-------------|-----------------------|-----------|-----------|------------|
| Gravel Run                     | 16-A             | Agriculture | Siltation             | 0         | 0         | 2          |
|                                |                  | Agriculture | Nutrients             |           |           |            |
|                                |                  | Road Runoff | Siltation             |           |           |            |
| Le Boeuf Creek                 | 16-A             | Agriculture | Siltation             | 0         | 0         | 3          |
|                                |                  | Agriculture | Nutrients             |           |           |            |
| Little Coneauttee Creek        | 16-A             | Agriculture | Siltation             | 0         | 0         | 3          |
|                                |                  | Agriculture | Nutrients             |           |           |            |
| South Branch French Creek      | 16-A             | Agriculture | Nutrients             | 0         | 0         | 1          |
| Torry Run                      | 16-A             | Agriculture | Nutrients             | 0         | 0         | 1          |
|                                |                  |             | Organic enrichment/DO |           |           |            |
| Boles Run                      | 16-A             | Agriculture | Siltation             | 0         | 0         | 2          |
|                                |                  | Road Runoff | Siltation             |           |           |            |
| UNT Back Creek                 | 13-C             | Agriculture | Siltation             | 0         | 1         | 0          |
| Bear Creek and Stahle Run      | 13-C             | Agriculture | Siltation             | 0         | 0         | 1          |
| UNT West Branch Antietam Creek | 13-C             | Agriculture | Siltation             | 0         | 0         | 1          |
|                                |                  |             | Nutrients             |           |           |            |
| Willoughby Run                 |                  | Agriculture | Siltation             | 0         | 1         | 0          |
|                                |                  |             | Organic enrichment/DO |           |           |            |
| <b>Total</b>                   |                  |             |                       | <b>20</b> | <b>10</b> | <b>100</b> |

Table 3 shows the segments proposed for AMD TMDL development for the 2005 reporting period. The District Mining Offices and Bureau of Abandoned Mine Reclamation Field Offices selected these streams in consultation with the Division of Water Quality Assessment and Standards after evaluation of the 1996 303(d) list. The proposed list may be further refined. TMDLs in the watershed for listings subsequent to 1996 will be included in the reports, but a count of the subsequent listed waters has not been completed. The Division of Water Quality Assessment and Standards will provide modeling support. The Division will act as a facilitator and an intermediary with EPA for all TMDL-related activities and will package and submit TMDLs to EPA.

**Table 3. Proposed AMD TMDLs for 2005**

| Waterbody Name               | State Water Plan | Source | 1996 List | Other Listings |
|------------------------------|------------------|--------|-----------|----------------|
| Schuylkill River             | 3-A              | AMD    | 1         |                |
| Little Schuylkill River      | 3-A              | AMD    | 1         |                |
| West Branch Schuylkill River | 3-A              | AMD    | 1         |                |
| Muddy Branch Creek           | 3-A              | AMD    | 1         |                |
| Mill Creek                   | 3-A              | AMD    | 1         |                |
| Long Valley Run              | 4-C              | AMD    | 1         |                |
| Aylesworth Creek             | 5-A              | AMD    | 1         |                |
| Lackawanna River             | 5-A              | AMD    | 1         |                |
| Powderly Creek               | 5-A              | AMD    | 1         |                |

**Table 3. Proposed AMD TMDLs for 2005**

| <b>Waterbody Name</b>         | <b>State Water Plan</b> | <b>Source</b> | <b>1996 List</b> | <b>Other Listings</b> |
|-------------------------------|-------------------------|---------------|------------------|-----------------------|
| Wilson Creek                  | 5-A                     | AMD           | 1                |                       |
| Grassy Island Creek           | 5-A                     | AMD           | 0                | 2002                  |
| Solomon's Creek               | 5-B                     | AMD           | 1                |                       |
| Black Creek                   | 5-D                     | AMD           | 1                |                       |
| Little Nescopeck Creek        | 5-D                     | AMD           | 1                |                       |
| Unt Little Nescopeck Creek    | 5-D                     | AMD           | 1                |                       |
| Cranberry Creek               | 5-D                     | AMD           | 0                | 2002                  |
| Nescopeck Creek               | 5-D                     | AMD           | 0                | 2002                  |
| Oley Creek                    | 5-D                     | AMD           | 0                | 2002                  |
| Stony Creek                   | 5-D                     | AMD           | 0                | 2002                  |
| Dents Run                     | 8-A                     | AMD           | 1                |                       |
| Unt Trout Run                 | 8-A                     | AMD           | 1                |                       |
| Laurel Run                    | 8-B                     | AMD           | 1                |                       |
| North Camp Run                | 8-B                     | AMD           | 1                |                       |
| Bear Run                      | 8-B                     | AMD           | 1                |                       |
| South Branch Bear Run         | 8-B                     | AMD           | 1                |                       |
| Hartshorn Run                 | 8-B                     | AMD           | 2                |                       |
| Alder Run                     | 8-C                     | AMD           | 1                |                       |
| Big Run                       | 8-C                     | AMD           | 1                |                       |
| Surveyor Run                  | 8-C                     | AMD           | 1                |                       |
| Sanborn Run                   | 8-C                     | AMD           | 1                |                       |
| Little Surveyor Run           | 8-C                     | AMD           | 1                |                       |
| North Branch Upper Morgan Run | 8-C                     | AMD           | 1                |                       |
| Deer Creek                    | 8-C                     | AMD           | 1                |                       |
| Lick Run                      | 8-C                     | AMD           | 1                |                       |
| Sandy Creek                   | 8-C                     | AMD           | 1                |                       |
| Baldhill Run                  | 8-C                     | AMD           | 0                | 2002                  |
| Moravian Run                  | 8-C                     | AMD           | 0                | 2002                  |
| Rolling Stone Run             | 8-C                     | AMD           | 0                | 2002                  |
| Millstone Run                 | 8-C                     | AMD           | 0                | 2002                  |
| Mowry Run                     | 8-C                     | AMD           | 0                | 2002                  |
| Brubaker Run                  | 8-C                     | AMD           | 1                |                       |
| Amos Branch                   | 8-D                     | AMD           | 1                |                       |
| Birch Island Run              | 8-D                     | AMD           | 1                |                       |
| Little Birch Island Run       | 8-D                     | AMD           | 1                |                       |
| Little Laurel Run             | 8-D                     | AMD           | 1                |                       |
| Sterling Run                  | 8-D                     | AMD           | 1                |                       |
| Albert Run                    | 8-D                     | AMD           | 0                | 2002                  |
| Saltlick Run                  | 8-D                     | AMD           | 0                | 1998                  |
| Otter Run                     | 9-A                     | AMD           | 1                |                       |
| Right Fork Otter Run          | 9-A                     | AMD           | 1                |                       |
| Logway Run                    | 9-C                     | AMD           | 1                |                       |
| Middle Branch Big Run         | 9-C                     | AMD           | 2                |                       |
| Loyalsock Creek               | 10B                     | AMD           | 1                |                       |
| Beaverdam Branch              | 11A                     | AMD           | 1                |                       |
| Burgoon Run                   | 11A                     | AMD           | 1                |                       |
| Glenwhite Run                 | 11A                     | AMD           | 1                |                       |

**Table 3. Proposed AMD TMDLs for 2005**

| <b>Waterbody Name</b>        | <b>State Water Plan</b> | <b>Source</b> | <b>1996 List</b> | <b>Other Listings</b> |
|------------------------------|-------------------------|---------------|------------------|-----------------------|
| Sugar Run                    | 11A                     | AMD           | 1                |                       |
| Walley Run                   | 16F                     | AMD           | 1                |                       |
| Unt Walley Run               | 16F                     | AMD           | 1                |                       |
| Little Scrubgrass Creek      | 16G                     | AMD           | 1                |                       |
| Daguscahonda Run             | 17A                     | AMD           | 1                |                       |
| Elk Creek                    | 17A                     | AMD           | 1                |                       |
| North Branch Elk Creek       | 17A                     | AMD           | 1                |                       |
| South Branch Elk Creek       | 17A                     | AMD           | 1                |                       |
| Iron Run                     | 17A                     | AMD           | 1                |                       |
| Little Mill Creek            | 17B                     | AMD           | 1                |                       |
| Mill Creek                   | 17B                     | AMD           | 1                |                       |
| North Branch Bear Creek      | 17C                     | AMD           | 1                |                       |
| Clutch & Hadden Run          | 17C                     | AMD           | 2                |                       |
| Laurel Branch Run            | 17D                     | AMD           | 1                |                       |
| Nye Branch                   | 17D                     | AMD           | 1                |                       |
| Caylor Run                   | 17D                     | AMD           | 1                |                       |
| Foundry Run                  | 17D                     | AMD           | 1                |                       |
| Stump Creek                  | 17D                     | AMD           | 2                |                       |
| Pine Run                     | 17D                     | AMD           | 3                |                       |
| North Branch Plum Creek      | 17E                     | AMD           | 1                |                       |
| McKee Run                    | 17E                     | AMD           | 2                |                       |
| Plum Creek                   | 18A                     | AMD           | 1                |                       |
| Little Plum Creek            | 18A                     | AMD           | 1                |                       |
| Little Deer Creek            | 18A                     | AMD           | 1                |                       |
| Getty Run                    | 18C                     | AMD           | 1                |                       |
| McCune Run                   | 18C                     | AMD           | 1                |                       |
| Union Run                    | 18C                     | AMD           | 1                |                       |
| Fourmile Run                 | 18C                     | AMD           | 1                |                       |
| Monastery Run                | 18C                     | AMD           | 1                |                       |
| Saxman Run                   | 18C                     | AMD           | 1                |                       |
| Richards Run                 | 18D                     | AMD           | 1                |                       |
| Roaring Run                  | 18D                     | AMD           | 1                |                       |
| Freeman Run                  | 18D                     | AMD           | 1                |                       |
| Elk Creek                    | 18D                     | AMD           | 1                |                       |
| South Branch Blacklick Creek | 18D                     | AMD           | 1                |                       |
| Bens Creek                   | 18E                     | AMD           | 1                |                       |
| Spring Run                   | 18E                     | AMD           | 1                |                       |
| Dark Shade Creek             | 18E                     | AMD           | 1                |                       |
| UNT Dark Shade Creek         | 18E                     | AMD           | 1                |                       |
| Quemahoning Creek            | 18E                     | AMD           | 1                |                       |
| UNT Stony Creek              | 18E                     | AMD           | 1                |                       |
| Lamberts Run                 | 18E                     | AMD           | 1                |                       |
| Boone Run                    | 18E                     | AMD           | 1                |                       |
| Brush Creek                  | 19A                     | AMD           | 1                |                       |
| York Run                     | 19G                     | AMD           | 1                |                       |
| Mountain Creek               | 19G                     | AMD           | 1                |                       |
| Dunkard Creek                | 19G                     | AMD           | 1                |                       |

**Table 3. Proposed AMD TMDLs for 2005**

| <b>Waterbody Name</b> | <b>State Water Plan</b> | <b>Source</b> | <b>1996 List</b> | <b>Other Listings</b> |
|-----------------------|-------------------------|---------------|------------------|-----------------------|
| Dooley Run            | 19G                     | AMD           | 1                |                       |
| Harmon Creek          | 20D                     | AMD           | 1                |                       |
| Burgetts Fork         | 20D                     | AMD           | 1                |                       |
| Raccoon Creek         | 20D                     | AMD           | 1                |                       |
| Moon Run              | 20G                     | AMD           | 1                |                       |
| Montour Run           | 20G                     | AMD           | 1                |                       |
| <b>Total</b>          |                         |               | <b>104</b>       | <b>Not Determined</b> |

Table 4 displays a projection that would meet the TMDL submission requirements through the year 2007 for non-AMD segments. During this time frame, the work will also begin on additional segments that require TMDL development. Regional offices will identify watersheds where they will be working, along with timelines for that work. Appendix A is a map that shows watershed areas included in the proposed AMD TMDLs.

**Table 4. Proposed Non-AMD TMDLs for 2005-2007**

| <b>Waterbody Name</b>            | <b>State Water Plan</b> | <b>Source</b>            |
|----------------------------------|-------------------------|--------------------------|
| Delaware River Estuary           | 2-E, 3-J, 3-F, 3-J      | Industrial Point Sources |
| Delaware River Estuary           | 2-E, 3-J, 3-F, 3-J      | Municipal Point Sources  |
| Delaware River Estuary           | 2-E, 3-J, 3-F, 3-J      | Nonpoint Sources         |
| Schuylkill River                 | 3-B                     | Industrial Point Sources |
| Unt Schuylkill River             | 3-B                     | Industrial Point Sources |
| Laurel Run                       | 3-C                     | Agriculture              |
| Bernhart Creek                   | 3-C                     | Industrial Point Sources |
| Manatawny Creek                  | 3-D                     | Agriculture              |
| Unt Schuylkill River             | 3-D                     | Agriculture              |
| Perkiomen Creek                  | 3-E                     | Municipal Point Sources  |
| Schuylkill River Estuary         | 3-F                     | CSO                      |
| E.Br.Chester Creek               | 3-G                     | Municipal Point Sources  |
| Unnamed Trib W.Br. Chester Creek | 3-G                     | Municipal Point Sources  |
| Hermesprota Creek                | 3-G                     | Other Non-Point Sources  |
| West Branch Brandywine Creek     | 3-H                     | Agriculture              |
| East Branch Brandywine Creek     | 3-H                     | Agriculture              |
| Indian Run                       | 3-H                     | Agriculture              |
| West Branch Brandywine Creek     | 3-H                     | Municipal Point Sources  |
| Brandywine Creek UNT             | 3-H                     | Other Point Sources      |
| South Branch Naaman Creek        | 3-I                     | Agriculture              |
| East Branch Red Clay Creek       | 3-I                     | Agriculture              |
| East Branch White Clay Creek     | 3-I                     | Agriculture              |
| West Branch White Clay Creek     | 3-I                     | Agriculture              |
| Red Clay Creek                   | 3-I                     | Agriculture              |
| Bucktoe Creek                    | 3-I                     | Agriculture              |
| South Brook                      | 3-I                     | Agriculture              |

**Table 4. Proposed Non-AMD TMDLs for 2005-2007**

| <b>Waterbody Name</b>              | <b>State Water Plan</b> | <b>Source</b>             |
|------------------------------------|-------------------------|---------------------------|
| Middle Branch White Clay Creek     | 3-I                     | Municipal Point Sources   |
| East Branch White Clay Creek       | 3-I                     | Municipal Point Sources   |
| Unt Wbr Red Clay                   | 3-I                     | Other Non-Point Sources   |
| Unt West Br Red Clay Ck (Nvf Trib) | 3-I                     | Other Non-Point Sources   |
| Delaware River                     | 3-I                     | Other Non-Point Sources   |
| East Branch White Clay Creek       | 3-I                     | Other Non-Point Sources   |
| Red Clay Creek                     | 3-I                     | Other Non-Point Sources   |
| Unt Green Creek                    | 3-I                     | Other Point Sources       |
| Southampton UNT                    | 3-J                     | Industrial Point Sources  |
| Black Creek                        | 5-B                     | Combined Sewer Overflow   |
| Letort Spring Run                  | 7-B                     | Other Non-Point Sources   |
| Paxton Creek                       | 7-C                     | Onsite Wastewater Systems |
| Codorus Creek                      | 7-H                     | Industrial Point Sources  |
| Conowingo Creek                    | 7-K                     | Agriculture               |
| Mill Run                           | 11-A                    | Combined Sewer Overflow   |
| Beaver Dam Branch                  | 11-A                    | Combined Sewer Overflow   |
| Frankstown Branch Juniata River    | 11-A                    | Industrial Point Sources  |
| Little Juniata River               | 11-A                    | Municipal Point Sources   |
| Lake Erie                          | 15-                     | Onsite Wastewater Systems |
| Lake Erie                          | 15-                     | Other Non-Point Sources   |
| French Creek                       | 16-A                    | Municipal Point Sources   |
| Coon Run                           | 16-E                    | Industrial Point Sources  |
| Oil Creek                          | 16-E                    | Industrial Point Sources  |
| Unt Huling Run                     | 17-C                    | Agriculture               |
| Campbell Run                       | 17-E                    | Other Non-Point Sources   |
| Clarke Run                         | 18-D                    | Agriculture               |
| Wells Creek                        | 18-E                    | Agriculture               |
| Glades Creek                       | 18-E                    | Agriculture               |
| Stony Creek                        | 18-E                    | Agriculture               |
| Brodhead Creek                     | 1-E                     | Other Non-Point Sources   |
| Connoquenessing Creek              | 20-C                    | Onsite Wastewater Systems |
| Ohio River                         | 20-E                    | Combined Sewer Overflow   |
| Chester Creek                      | 3-G                     | Municipal Point Sources   |
| South Branch Bear Creek            | 17-C                    | Industrial Point Sources  |
| Shenango River                     | 20-A                    | Agriculture               |
| Indian Creek                       | 3-E                     | Municipal Point Sources   |
| Sawmill Run                        | 20-F                    | Point Sources             |

Table 5 displays a projection of AMD segments remaining from the 1996 303(d) list for which there has been no TMDL to date. The segments listed in Table 5 are scheduled to be completed by 2009. Staff will determine priority for completing the remaining segments for either the 2007 or 2009 submission to EPA. Appendix B is a map that shows watershed areas included in the proposed AMD TMDLs.

**Table 5. Proposed AMD TMDLs for 2007-2009**

| <b>Waterbody Name</b>              | <b>State Water Plan</b> | <b>Source</b> |
|------------------------------------|-------------------------|---------------|
| Pond Creek                         | 2-A                     | AMD           |
| Sandy Run (Unt)                    | 2-A                     | AMD           |
| Sandy Run                          | 2-A                     | AMD           |
| Buck Mountain Creek                | 2-B                     | AMD           |
| Hazle Creek                        | 2-B                     | AMD           |
| Black Creek                        | 2-B                     | AMD           |
| Nesquehoning Creek                 | 2-B                     | AMD           |
| Saucon Creek (South Branch)        | 2-C                     | AMD           |
| Saucon Creek                       | 2-C                     | AMD           |
| Lehigh River                       | 2-C                     | AMD           |
| Coal Brook                         | 5-A                     | AMD           |
| Roaring Brook                      | 5-A                     | AMD           |
| Susquehanna River                  | 5-B                     | AMD           |
| Newport Creek                      | 5-B                     | AMD           |
| Deep Creek                         | 6-C                     | AMD           |
| Wiconisco Creek                    | 6-C                     | AMD           |
| Pine Creek                         | 6-C                     | AMD           |
| Bennett Branch Sinnemahoning Creek | 8-A                     | AMD           |
| Montgomery Creek (Unt)             | 8-B                     | AMD           |
| Woods Run                          | 8-B                     | AMD           |
| Rock Run                           | 8-B                     | AMD           |
| West Branch Susquehanna River      | 8-B                     | AMD           |
| Clearfield Creek                   | 8-C                     | AMD           |
| Dutch Run                          | 8-C                     | AMD           |
| Mosquito Creek                     | 8-D                     | AMD           |
| Grimes Run                         | 8-D                     | AMD           |
| Curleys Run                        | 8-D                     | AMD           |
| Moshannon Creek                    | 8-D                     | AMD           |
| Goss Run                           | 8-D                     | AMD           |
| Kettle Creek                       | 9-B                     | AMD           |
| West Branch Susquehanna River      | 9-B                     | AMD           |
| Beech Creek                        | 9-C                     | AMD           |
| West Branch Susquehanna River      | 10-D                    | AMD           |
| Kimber Run                         | 11-A                    | AMD           |
| Kimber Run                         | 11-D                    | AMD           |
| West Branch Tunungwant Creek       | 16-C                    | AMD           |
| Scrubgrass Creek                   | 16-G                    | AMD           |
| Richey Run                         | 16-G                    | AMD           |
| South Fork Little Scrubgrass Creek | 16-G                    | AMD           |
| Little Toby Creek                  | 17-A                    | AMD           |
| Johnson Run                        | 17-A                    | AMD           |
| Anderson Run                       | 17-B                    | AMD           |
| Deer Creek                         | 17-B                    | AMD           |
| Douglas Run                        | 17-B                    | AMD           |
| Whites Run                         | 17-B                    | AMD           |

**Table 5. Proposed AMD TMDLs for 2007-2009**

| <b>Waterbody Name</b>              | <b>State Water Plan</b> | <b>Source</b> |
|------------------------------------|-------------------------|---------------|
| Piney Creek                        | 17-B                    | AMD           |
| Brush Run                          | 17-B                    | AMD           |
| Clarion River                      | 17-B                    | AMD           |
| Jones Run                          | 17-B                    | AMD           |
| Reids Run                          | 17-B                    | AMD           |
| Little Licking Creek               | 17-B                    | AMD           |
| Cherry Run                         | 17-B                    | AMD           |
| Licking Creek                      | 17-B                    | AMD           |
| Gathers Run                        | 17-B                    | AMD           |
| Brush Run (Unt)                    | 17-B                    | AMD           |
| West Fork Leatherwood Creek        | 17-C                    | AMD           |
| Beaver Run                         | 17-C                    | AMD           |
| Luthersburg Branch                 | 17-C                    | AMD           |
| Welch Run                          | 17-C                    | AMD           |
| Town Run                           | 17-C                    | AMD           |
| West Fork (Unt) (02)               | 17-C                    | AMD           |
| West Fork (Unt)                    | 17-C                    | AMD           |
| Leisure Run                        | 17-C                    | AMD           |
| South Branch Bear Creek            | 17-C                    | AMD           |
| Nicely Run                         | 17-D                    | AMD           |
| North Branch Little Mahoning Creek | 17-D                    | AMD           |
| Brewer Run                         | 17-D                    | AMD           |
| East Run                           | 17-D                    | AMD           |
| East Branch Mahoning Creek         | 17-D                    | AMD           |
| Beech Run                          | 17-D                    | AMD           |
| Campbell Run                       | 17-E                    | AMD           |
| Long Run                           | 17-E                    | AMD           |
| Craig Run                          | 17-E                    | AMD           |
| Sugar Run                          | 17-E                    | AMD           |
| Crooked Creek                      | 17-E                    | AMD           |
| Elbow Run                          | 17-E                    | AMD           |
| Coalbank Run                       | 17-E                    | AMD           |
| Allegheny River                    | 18-A                    | AMD           |
| Beaver Run                         | 18-B                    | AMD           |
| Kiskiminetas River                 | 18-B                    | AMD           |
| Conemaugh River                    | 18-C                    | AMD           |
| Loyalhanna Creek                   | 18-C                    | AMD           |
| Yellow Creek                       | 18-D                    | AMD           |
| Penn Run                           | 18-D                    | AMD           |
| Two Lick Creek                     | 18-D                    | AMD           |
| Ferrier Run                        | 18-D                    | AMD           |
| Harbridge Run                      | 18-D                    | AMD           |
| Tearing Run                        | 18-D                    | AMD           |
| Reeds Run                          | 18-D                    | AMD           |
| Little Conemaugh River             | 18-E                    | AMD           |
| Clear Run                          | 18-E                    | AMD           |

**Table 5. Proposed AMD TMDLs for 2007-2009**

| <b>Waterbody Name</b>      | <b>State Water Plan</b> | <b>Source</b> |
|----------------------------|-------------------------|---------------|
| South Fork Bens Creek      | 18-E                    | AMD           |
| Sulphur Creek              | 18-E                    | AMD           |
| Babcock Creek (Basin)      | 18-E                    | AMD           |
| Otto Run                   | 18-E                    | AMD           |
| Paint Creek                | 18-E                    | AMD           |
| Buffalo Creek (Unt)        | 18-F                    | AMD           |
| Turtle Creek               | 19-A                    | AMD           |
| Streets Run                | 19-A                    | AMD           |
| South Fork Tenmile Creek   | 19-B                    | AMD           |
| Wallace Run                | 19-C                    | AMD           |
| Redstone Creek             | 19-C                    | AMD           |
| Unt Saltlick Run           | 19-C                    | AMD           |
| Unt Mononghela River       | 19-C                    | AMD           |
| Pigeon Creek               | 19-C                    | AMD           |
| Peters Creek               | 19-C                    | AMD           |
| Fallen Timber Run          | 19-C                    | AMD           |
| Pike Run                   | 19-C                    | AMD           |
| Glade Run                  | 19-D                    | AMD           |
| Ferguson Run               | 19-D                    | AMD           |
| Jacks Run                  | 19-D                    | AMD           |
| Buffalo Run                | 19-D                    | AMD           |
| Little Sewickley Creek     | 19-D                    | AMD           |
| Sewickley Creek            | 19-D                    | AMD           |
| Long Run                   | 19-D                    | AMD           |
| Welty Run                  | 19-D                    | AMD           |
| Staurrer Run               | 19-D                    | AMD           |
| Casselman River            | 19-F                    | AMD           |
| Coxes Creek                | 19-F                    | AMD           |
| East Branch Coxes Creek    | 19-F                    | AMD           |
| Piney Run                  | 19-F                    | AMD           |
| Shafer Run                 | 19-F                    | AMD           |
| Elklick Creek              | 19-F                    | AMD           |
| Buffalo Creek              | 19-F                    | AMD           |
| Wilson Creek               | 19-F                    | AMD           |
| Cucumber Run               | 19-F                    | AMD           |
| Laurel Run                 | 19-F                    | AMD           |
| Whites Creek               | 19-F                    | AMD           |
| Bigby Creek                | 19-F                    | AMD           |
| Miller Run                 | 19-F                    | AMD           |
| Lick Run                   | 19-F                    | AMD           |
| Big Sandy Creek            | 19-G                    | AMD           |
| Unt Georges Creek          | 19-G                    | AMD           |
| Whiteley Creek             | 19-G                    | AMD           |
| Brush Run                  | 20-B                    | AMD           |
| Clarks Run                 | 20-B                    | AMD           |
| Connoquenssing Creek (Unt) | 20-C                    | AMD           |

**Table 5. Proposed AMD TMDLs for 2007-2009**

| <b>Waterbody Name</b>                | <b>State Water Plan</b> | <b>Source</b> |
|--------------------------------------|-------------------------|---------------|
| Little Connoquenessing Creek (Basin) | 20-C                    | AMD           |
| Connoquenessing Creek (Unt)          | 20-C                    | AMD           |
| Duck Run                             | 20-C                    | AMD           |
| Sawmill Run                          | 20-F                    | AMD           |

Table 6 lists the TMDLs that have been completed and approved by EPA. Both AMD and Non-AMD segments are included in the table. A map representing the watershed area covered by these TMDLs is included in Appendix C.

**Table 6. EPA Approved TMDLs in Pennsylvania**

| <b>Waterbody Name</b>           | <b>State Water Plan</b> | <b>Source</b>           | <b>Approval Year</b> |
|---------------------------------|-------------------------|-------------------------|----------------------|
| Delaware River                  | 1-A                     | Fish Consumption        | 2003                 |
| Levittown Lake                  | 2-D                     | Fish Consumption        | 2001                 |
| Neshaminy Creek                 | 2-F                     | Municipal Point Sources | 2003                 |
| Unt Neshaminy Creek             | 2-F                     | Agriculture             | 2003                 |
| Little Neshaminy Creek          | 2-F                     | Municipal Point Sources | 2003                 |
| Unt Neshaminy Creek             | 2-F                     | Municipal Point Sources | 2003                 |
| Cooks Run                       | 2-F                     | Municipal Point Sources | 2003                 |
| West Branch Neshaminy Creek     | 2-F                     | Municipal Point Sources | 2003                 |
| UNT West Branch Neshaminy Creek | 2-F                     | Municipal Point Sources | 2003                 |
| Sandy Run                       | 3-F                     | Other Non-Point Sources | 2003                 |
| Lake Galena                     | 2-F                     | Agriculture             | 2003                 |
| UNT Sandy Run                   | 3-F                     | Other Non-Point Sources | 2003                 |
| Park Creek                      | 2-F                     | Municipal Point Sources | 1998                 |
| Panther Creek                   | 3-A                     | AMD                     | 2003                 |
| Wabash Creek                    | 3-A                     | AMD                     | 2003                 |
| Hospital Creek                  | 3-C                     | Agriculture             | 2003                 |
| Little Cacoosing Creek          | 3-C                     | Agriculture             | 2003                 |
| Owl Creek                       | 3-C                     | Agriculture             | 2003                 |
| UNT Tulpehocken Creek           | 3-C                     | Agriculture             | 2003                 |
| Lake Nockamixon                 | 3-D                     | Agriculture             | 2003                 |
| Greenlane Reservoir             | 3-E                     | Agriculture             | 2003                 |
| Lake Luxembourg                 | 3-F                     | Agriculture             | 1998                 |
| Little Valley Creek             | 3-F                     | Fish Consumption        | 2001                 |
| Trout Run (UNT)                 | 3-F                     | Municipal Point Sources | 1998                 |
| Brandywine River                | 3-H                     | Fish Consumption        | 2001                 |
| Valley Creek                    | 3-H                     | Fish Consumption        | 2001                 |
| West Branch Brandywine River    | 3-H                     | Fish Consumption        | 2001                 |
| Pennypack Creek                 | 3-J                     | Municipal Point Sources | 1998                 |
| Fall Brook                      | 4-A                     | AMD                     | 2001                 |
| Morris Run                      | 4-A                     | AMD                     | 2001                 |
| North Fork Cowanesque River     | 4-A                     | Agriculture             | 2001                 |
| Stephen Foster Lake             | 4-C                     | Agriculture             | 2001                 |
| South Branch Wyalusing Creek    | 4-D                     | Agriculture             | 2001                 |
| Lake Carey                      | 4-F                     | Agriculture             | 2001                 |

**Table 6. EPA Approved TMDLs in Pennsylvania**

| <b>Waterbody Name</b>         | <b>State Water Plan</b> | <b>Source</b>             | <b>Approval Year</b> |
|-------------------------------|-------------------------|---------------------------|----------------------|
| Harveys Lake                  | 5-B                     | Agriculture               | 2003                 |
| Susquehanna River             | 5-B                     | Fish Consumption          | 1998                 |
| Catawissa Creek               | 5-E                     | AMD                       | 2003                 |
| Sugarloaf Creek               | 5-E                     | AMD                       | 2003                 |
| Tomhicken Creek               | 5-E                     | AMD                       | 2003                 |
| Carbon Run                    | 6-B                     | AMD                       | 2003                 |
| Coal Run                      | 6-B                     | AMD                       | 2003                 |
| Locust Creek                  | 6-B                     | AMD                       | 2003                 |
| North Branch Shamokin Creek   | 6-B                     | AMD                       | 2003                 |
| Quaker Run                    | 6-B                     | AMD                       | 2003                 |
| Shamokin Creek                | 6-B                     | AMD                       | 2003                 |
| Bear Creek                    | 6-C                     | AMD                       | 2001                 |
| East Branch Rausch Creek      | 6-C                     | AMD                       | 2001                 |
| Hans Yost Creek               | 6-C                     | AMD                       | 2001                 |
| North Branch Mahantango Creek | 6-C                     | Agriculture               | 2001                 |
| Rausch Creek                  | 6-C                     | AMD                       | 2001                 |
| West Branch Rausch Creek      | 6-C                     | AMD                       | 2001                 |
| Clippeingers Run              | 7-B                     | Agriculture               | 2001                 |
| Green Spring Creek            | 7-B                     | Agriculture               | 2001                 |
| Middle Spring Creek           | 7-B                     | Agriculture               | 2001                 |
| Mount Rock Spring Creek       | 7-B                     | Agriculture               | 2001                 |
| Bachman Run                   | 7-D                     | Agriculture               | 2003                 |
| Beck Creek                    | 7-D                     | Agriculture               | 2001                 |
| Bow Creek UNT.                | 7-D                     | Other Non-Point Sources   | 2003                 |
| Coal Run                      | 7-D                     | AMD                       | 2001                 |
| Deep Run                      | 7-D                     | Agriculture               | 2001                 |
| Earlkill Run                  | 7-D                     | Agriculture               | 2001                 |
| Good Spring Creek             | 7-D                     | AMD                       | 2001                 |
| KillingerR Creek              | 7-D                     | Agriculture               | 2001                 |
| Lorberry Creek                | 7-D                     | AMD                       | 2001                 |
| Lower Rausch Creek            | 7-D                     | AMD                       | 2001                 |
| Middle Creek                  | 7-D                     | AMD                       | 2001                 |
| Panther Creek                 | 7-D                     | AMD                       | 2003                 |
| Snitz Creek                   | 7-D                     | Agriculture               | 2001                 |
| Stumps Run                    | 7-D                     | AMD                       | 2001                 |
| Swatara Creek                 | 7-D                     | AMD                       | 2001                 |
| Swatara Creek (UNT)           | 7-D                     | Agriculture               | 2003                 |
| Pinchot Lake                  | 7-F                     | Agriculture               | 2003                 |
| Chickies Creek                | 7-G                     | Agriculture               | 2001                 |
| Conewago Creek                | 7-E                     | Agriculture               | 2001                 |
| Donegal Creek                 | 7-G                     | Agriculture               | 1998                 |
| Conewago Creek                | 7-G                     | Point Sources             | 2001                 |
| Oil Creek                     | 7-H                     | Urban Runoff/Storm Sewers | 2003                 |
| South Branch Codorus Creek    | 7-H                     | Agriculture               | 2003                 |
| Muddy Run                     | 7-J                     | Agriculture               | 2001                 |
| Pequea Creek, UNT.            | 7-J                     | Agriculture               | 2001                 |
| Mill Creek (UNT)              | 7-J                     | Industrial Point Sources  | 1998                 |
| Pequea Creek                  | 7-K                     | Agriculture               | 2001                 |

**Table 6. EPA Approved TMDLs in Pennsylvania**

| <b>Waterbody Name</b>      | <b>State Water Plan</b> | <b>Source</b>            | <b>Approval Year</b> |
|----------------------------|-------------------------|--------------------------|----------------------|
| Tweed Creek                | 7-K                     | Agriculture              | 1998                 |
| Trout Run (UNT)            | 8-A                     | AMD                      | 1998                 |
| Montgomery Creek           | 8-B                     | AMD                      | 2003                 |
| Montgomery Creek (UNT)     | 8-B                     | AMD                      | 2003                 |
| Little Muddy Run           | 8-C                     | AMD                      | 2001                 |
| Cold Stream                | 8-D                     | AMD                      | 2003                 |
| Camp Run                   | 9-B                     | AMD                      | 2003                 |
| Cooks Run                  | 9-B                     | AMD                      | 2003                 |
| Cooks Run (Basin)          | 9-B                     | AMD                      | 2003                 |
| Crowley Hollow             | 9-B                     | AMD                      | 2003                 |
| Drury Run                  | 9-B                     | AMD                      | 2003                 |
| Middle Branch Two Mile Run | 9-B                     | AMD                      | 2003                 |
| Sandy Run                  | 9-B                     | AMD                      | 2003                 |
| Stony Run                  | 9-B                     | AMD                      | 2003                 |
| Tangascootack Creek        | 9-B                     | AMD                      | 2003                 |
| Two Mile Run               | 9-B                     | AMD                      | 2003                 |
| Woodley Draft Run          | 9-B                     | AMD                      | 2003                 |
| Bear Loop Run              | 11-A                    | AMD                      | 2003                 |
| Kittanning Run             | 11-A                    | AMD                      | 2003                 |
| Bald Eagle Creek           | 11-A                    | Industrial Point Sources | 1998                 |
| Hartman Run                | 11-D                    | AMD                      | 2001                 |
| Longs Run                  | 11-D                    | AMD                      | 2003                 |
| Miller Run                 | 11-D                    | AMD                      | 2001                 |
| Sandy Run                  | 11-D                    | AMD                      | 2003                 |
| Shoup Run                  | 11-D                    | AMD                      | 2001                 |
| Six Mile Run               | 11-D                    | AMD                      | 2001                 |
| Conneaut Lake              | 16-D                    | Agriculture              | 2001                 |
| Lockard Run                | 16-G                    | AMD                      | 2003                 |
| Parks Run                  | 17-B                    | AMD                      | 2003                 |
| Fowler Run                 | 17-C                    | AMD                      | 2001                 |
| Allegheny River            | 18-A                    | Fish Consumption         | 2001                 |
| Thorn Run                  | 18-B                    | AMD                      | 2003                 |
| UNT Thorn Run              | 18-B                    | AMD                      | 2003                 |
| Thompson Run               | 19-A                    | AMD                      | 2003                 |
| Monongahela River          | 19-A                    | Fish Consumption         | 2001                 |
| Virgin Run Lake            | 19-D                    | Agriculture              | 2001                 |
| Laurel Run                 | 19-E                    | AMD                      | 2003                 |
| Cheat River                | 19-F                    | Fish Consumption         | 2001                 |
| Cats Run                   | 19-G                    | AMD                      | 2003                 |
| Shenango River             | 20-A                    | Fish Consumption         | 2001                 |
| Beaver River               | 20-B                    | Fish Consumption         | 2001                 |
| Brush Creek                | 20-C                    | Municipal Point Sources  | 1998                 |
| Potato Garden Run          | 20-D                    | AMD                      | 2003                 |
| UNT Potato Garden Run      | 20-D                    | AMD                      | 2003                 |
| Dutch Fork Lake            | 20-E                    | Agriculture              | 2003                 |
| Chartiers Creek            | 20-F                    | Fish Consumption         | 2001                 |
| Little Chartiers Creek     | 20-F                    | Fish Consumption         | 2001                 |
| Ohio River                 | 20-E                    | Fish Consumption         | 2001                 |

**Table 6. EPA Approved TMDLs in Pennsylvania**

| <b>Waterbody Name</b>      | <b>State Water Plan</b> | <b>Source</b>             | <b>Approval Year</b> |
|----------------------------|-------------------------|---------------------------|----------------------|
| Campbells Run              | 20-F                    | AMD                       | 2003                 |
| Half Crown Run             | 20-F                    | AMD                       | 2003                 |
| Millers Run                | 20-F                    | AMD                       | 2003                 |
| N. Br. Robinsons Run (UNT) | 20-F                    | AMD                       | 2003                 |
| North Branch Robinson Run  | 20-F                    | AMD                       | 2003                 |
| Plum Run                   | 20-F                    | Agriculture               | 2003                 |
| UNT Campbells Run          | 20-F                    | AMD                       | 2003                 |
| Brush Run                  | 20-F                    | Urban Runoff/Storm Sewers | 2003                 |
| Brush Run (UNT)            | 20-F                    | Urban Runoff/Storm Sewers | 2003                 |
| Glanraffan Creek           | 3-F                     | Other Non-Point Sources   | 2003                 |
| Milligan Run               | 9-B                     | AMD                       | 2004                 |

Table 7 lists the segments for which EPA has approved the removal of the segment from the list of impaired waters. TMDLs are not necessary on delisted segments.

**Table 7. EPA Approved Delistings in Pennsylvania**

| <b>Waterbody Name</b>           | <b>State Water Plan</b> | <b>Source</b>           |
|---------------------------------|-------------------------|-------------------------|
| South Branch Saucon Creek (Unt) | 2-C                     | Other Non-Point Sources |
| Panther Creek                   | 3-A                     | AMD                     |
| Mill Creek                      | 3-C                     | Agriculture             |
| Unt Mill Creek                  | 3-C                     | Other Non-Point Sources |
| Northkill Creek                 | 3-C                     | Atmospheric Deposition  |
| French Creek                    | 3-D                     | Agriculture             |
| Unt Chester Creek               | 3-G                     | Municipal Point Sources |
| Buck Run(Unt)(Little Buck Run)  | 3-H                     | Municipal Point Sources |
| Culbertson Run                  | 3-H                     | Other Point Sources     |
| Tioga River                     | 4-A                     | AMD                     |
| Doc Smith Run                   | 6-C                     | AMD                     |
| Rattling Creek                  | 6-C                     | AMD                     |
| Stone Cabin Run                 | 6-C                     | AMD                     |
| West Branch Rattling Creek      | 6-C                     | AMD                     |
| Shale Run                       | 6-C                     | AMD                     |
| East Branch Rattling Creek      | 6-C                     | AMD                     |
| Nine O'Clock Run                | 6-C                     | AMD                     |
| Gebhard Run                     | 7-D                     | AMD                     |
| Poplar Creek                    | 7-D                     | AMD                     |
| West Branch Fishing Creek       | 7-D                     | AMD                     |
| Baird Run                       | 7-D                     | AMD                     |
| Falling Branch Deer Creek       | 7-I                     | Agriculture             |
| Deer Creek                      | 7-I                     | Agriculture             |
| Spring Run                      | 8-A                     | AMD                     |
| Sinnemahoning Creek             | 8-A                     | AMD                     |
| West Creek                      | 8-A                     | AMD                     |

**Table 7. EPA Approved Delistings in Pennsylvania**

| <b>Waterbody Name</b>               | <b>State Water Plan</b> | <b>Source</b>           |
|-------------------------------------|-------------------------|-------------------------|
| Wilson Run                          | 8-B                     | AMD                     |
| Tinker Run (Unt)                    | 8-B                     | AMD                     |
| Montgomery Creek (Unt)              | 8-B                     | AMD                     |
| Wilson Run (Unt)                    | 8-B                     | AMD                     |
| North Branch Montgomery Creek (Unt) | 8-B                     | AMD                     |
| Lick Run                            | 8-C                     | AMD                     |
| Trout Run                           | 8-C                     | AMD                     |
| Kibler Run                          | 8-C                     | Other Non-Point Sources |
| Taylor Springs Run                  | 8-C                     | AMD                     |
| Fork Run                            | 8-C                     | AMD                     |
| Pine Run                            | 8-C                     | AMD                     |
| Black Moshannon Creek               | 8-D                     | AMD                     |
| Left Fork Otter Run                 | 9-A                     | AMD                     |
| Pine Creek                          | 9-A                     | AMD                     |
| Lick Run                            | 9-B                     | AMD                     |
| East Branch Big Run                 | 9-C                     | AMD                     |
| Slab Cabin Run                      | 9-C                     | Agriculture             |
| Red Run                             | 10-A                    | AMD                     |
| Loyalsock Creek                     | 10-B                    | AMD                     |
| Buffalo Creek                       | 10-C                    | Agriculture             |
| Tules Run                           | 10-D                    | Other Non-Point Sources |
| Gladdens Run                        | 13-A                    | AMD                     |
| Trout Run                           | 16-A                    | Agriculture             |
| Kinzua Creek (Unt)                  | 16-B                    | AMD                     |
| East Branch Tunungwant Creek        | 16-C                    | AMD                     |
| East Branch Tunungwant Creek (Unt)  | 16-C                    | AMD                     |
| Cole Creek                          | 16-C                    | AMD                     |
| West Branch Blue Jay Creek          | 16-E                    | AMD                     |
| Pithole Creek                       | 16-E                    | AMD                     |
| Curry Run                           | 17-A                    | AMD                     |
| Turkey Run                          | 17-B                    | AMD                     |
| Kyle Run                            | 17-C                    | AMD                     |
| Little Sandy Creek                  | 17-C                    | AMD                     |
| Pine Creek                          | 17-C                    | AMD                     |
| Long Run                            | 17-C                    | AMD                     |
| Leisure Run                         | 17-C                    | AMD                     |
| Leatherwood Creek                   | 17-C                    | AMD                     |
| Redbank Creek                       | 17-C                    | AMD                     |
| Kyle Run (Unt)                      | 17-C                    | AMD                     |
| Narrows Creek                       | 17-C                    | AMD                     |
| Beaverdam Run                       | 17-C                    | AMD                     |
| Laborde Branch                      | 17-C                    | AMD                     |
| South Branch South Fork Pine Creek  | 17-E                    | AMD                     |
| South Branch Plum Creek             | 17-E                    | AMD                     |
| North Branch Cherry Run             | 17-E                    | AMD                     |
| Nine Mile Run                       | 18-C                    | Municipal Point Sources |

**Table 7. EPA Approved Delistings in Pennsylvania**

| <b>Waterbody Name</b>     | <b>State Water Plan</b> | <b>Source</b> |
|---------------------------|-------------------------|---------------|
| Indian Camp Run           | 18-C                    | AMD           |
| Beaverdam Run             | 18-E                    | AMD           |
| Unt Paint Creek           | 18-E                    | AMD           |
| Shade Creek               | 18-E                    | AMD           |
| Fallen Timber Run         | 18-E                    | AMD           |
| Tenmile Creek             | 19-B                    | AMD           |
| Rush Run                  | 19-B                    | AMD           |
| Pumpkin Run               | 19-B                    | AMD           |
| Rush Run                  | 19-C                    | AMD           |
| Dunlap Creek              | 19-C                    | AMD           |
| North Branch Pigeon Creek | 19-C                    | AMD           |
| Meadow Run                | 19-E                    | AMD           |
| Rasler Run                | 19-E                    | AMD           |
| Indian Creek              | 19-E                    | AMD           |
| Buck Run                  | 19-E                    | AMD           |
| Dunkard Creek             | 19-G                    | AMD           |
| Long Run                  | 20-C                    | AMD           |
| East Branch Wolf Creek    | 20-C                    | AMD           |
| Ohio River                | 20-E                    | AMD           |

Table 8 contains the TMDLs that Pennsylvania has submitted, but EPA has not yet taken any formal action.

**Table 8. TMDLS Submitted to EPA with no Formal Action from EPA**

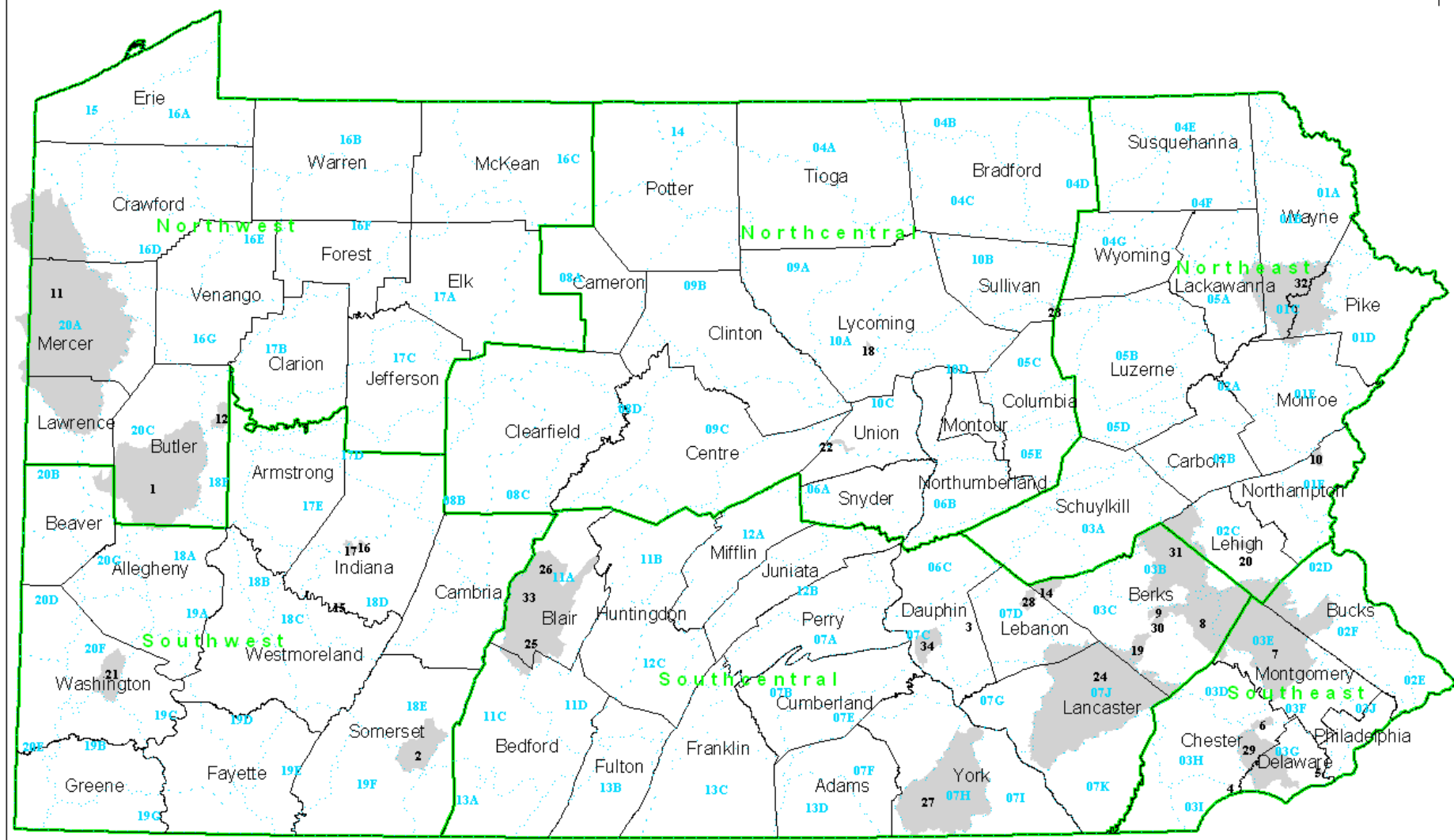
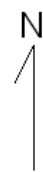
| <b>Waterbody Name</b>  | <b>State Water Plan</b> | <b>Source</b> |
|------------------------|-------------------------|---------------|
| Mahanoy Creek          | 6-B                     | AMD           |
| Zerbe Run              | 6-B                     | AMD           |
| Crab Run               | 6-B                     | AMD           |
| Shenandoah Creek       | 6-B                     | AMD           |
| Anderson Creek         | 8-B                     | AMD           |
| Kratzer Run            | 8-B                     | AMD           |
| Irvin Branch           | 8-B                     | AMD           |
| Little Anderson Creek  | 8-B                     | AMD           |
| Brubaker Run           | 8-D                     | AMD           |
| Babb Creek             | 9-A                     | AMD           |
| Wison Creek            | 9-A                     | AMD           |
| Rock Run               | 9-B                     | AMD           |
| North Fork Beech Creek | 9-C                     | AMD           |
| Mcgourvey Run          | 17-B                    | AMD           |
| Huskins Run            | 17-E                    | AMD           |
| Limestone Run          | 17-E                    | AMD           |
| Oven Run               | 18-E                    | AMD           |
| Newmyer Run            | 19-E                    | AMD           |

## **Appendix A**

**Map of Pennsylvania Watersheds Proposed for Non-AMD-TMDL Development For 2005**

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# Pennsylvania Watersheds Proposed for Non-AMD-TMDL Development For 2005



\*Map is to be used for graphic representation only.

\*\*Watersheds are approximate representations of modeled area.

- Regional Office Boundary
- State Water Plan Watershed
- Non-AMD TMDL Watershed

The data and all supporting documentation used to develop the TMDLs are available from the Department.  
 The TMDLs and information on the TMDL program can be viewed on the Department's website ([www.dep.state.pa.us](http://www.dep.state.pa.us)) DEP Keyword "TMDL"



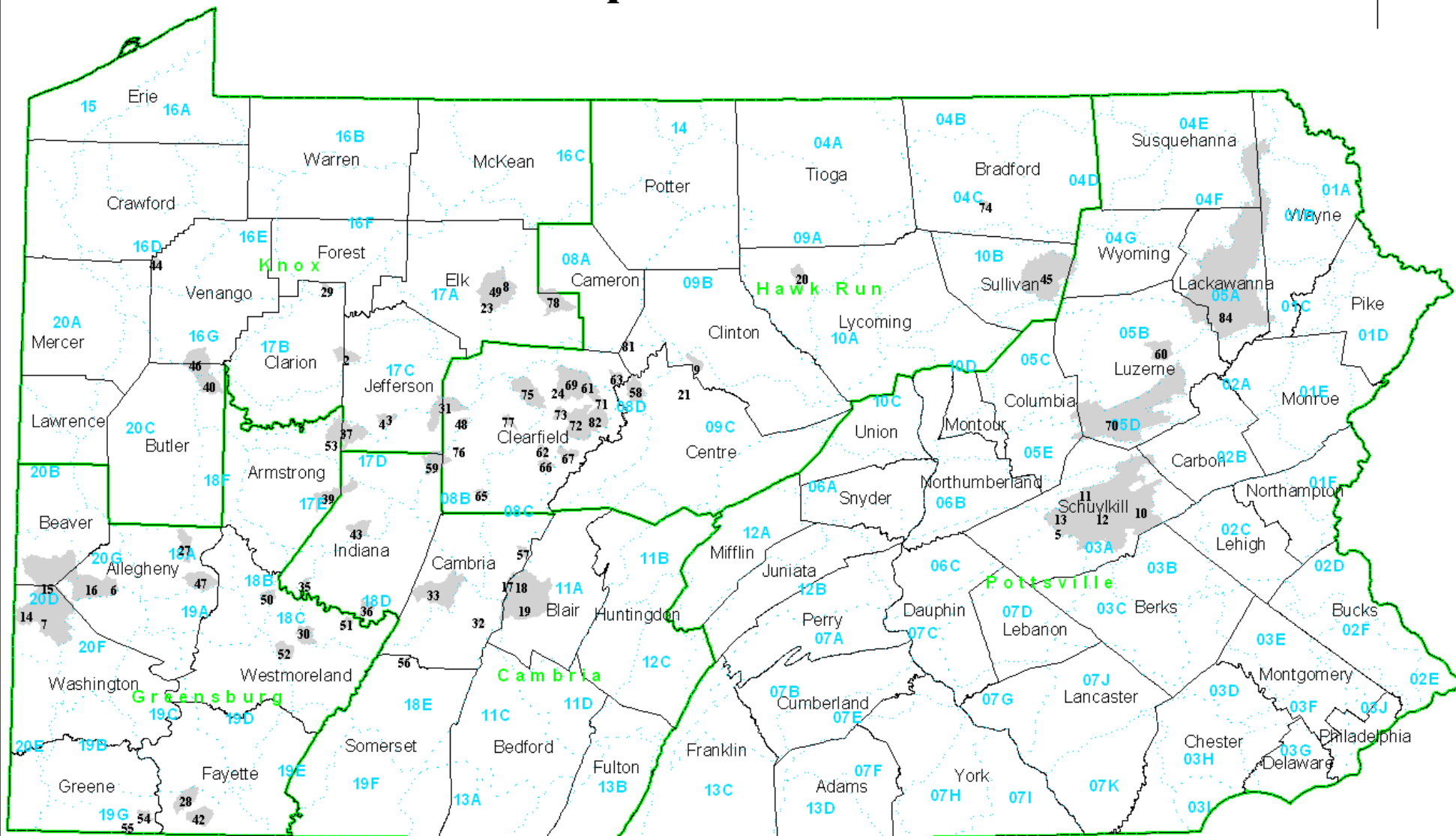
## Pennsylvania Watersheds Proposed for Non-AMD-TMDL Development For 2005

| <b>TMDL Name</b>                | <b>Map #</b> |
|---------------------------------|--------------|
| Connoquenessing Creek           | 1            |
| Stony Creek                     | 2            |
| Bow Creek                       | 3            |
| UNT Brandywine Creek            | 4            |
| Hermesprota Creek               | 5            |
| Little Valley Creek             | 6            |
| Perkiomen Creek                 | 7            |
| Manatawny Creek                 | 8            |
| Laurel Run                      | 9            |
| Waltz Creek                     | 10           |
| Shenango River                  | 11           |
| South Branch Bear Creek         | 12           |
| Crosskill Creek                 | 14           |
| UNT Conemaugh River             | 15           |
| Marsh Run                       | 16           |
| Mccarthy Run                    | 17           |
| Fox Hollow                      | 18           |
| Wyomissing Creek                | 19           |
| Little Cedar Creek              | 20           |
| Cannonsburg Lake                | 21           |
| Buffalo Creek                   | 22           |
| Lake Jean                       | 23           |
| Conestoga River                 | 24           |
| Frankstown Branch Juniata River | 25           |
| Little Juniata River            | 26           |
| Codus Creek                     | 27           |
| Elizabeth Run                   | 28           |
| Chester Creek                   | 29           |
| Bernhart Creek                  | 30           |
| Lake Ontelaunee                 | 31           |
| Lake Wallenpaupack              | 32           |
| Beaverdam Run                   | 33           |
| Paxton Creek                    | 34           |

**Appendix B**  
**Map of Pennsylvania Watersheds Proposed for AMD-TMDL Development For 2005**

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# Pennsylvania Watersheds Proposed for AMD-TMDL Development For 2005



\*Map is to be used for graphic representation only.  
 \*\*Watersheds are approximate representations of modeled area.

- District Mining Office Boundary
- State Water Plan Watershed
- AMD TMDL Watershed

The data and all supporting documentation used to develop the TMDLs are available from the Department.  
 The TMDLs and information on the TMDL program can be viewed on the Department's website ([www.dep.state.pa.us](http://www.dep.state.pa.us)) DEP Keyword "TMDL"



Pennsylvania Watersheds Proposed for AMD- TMDL Development for 2005

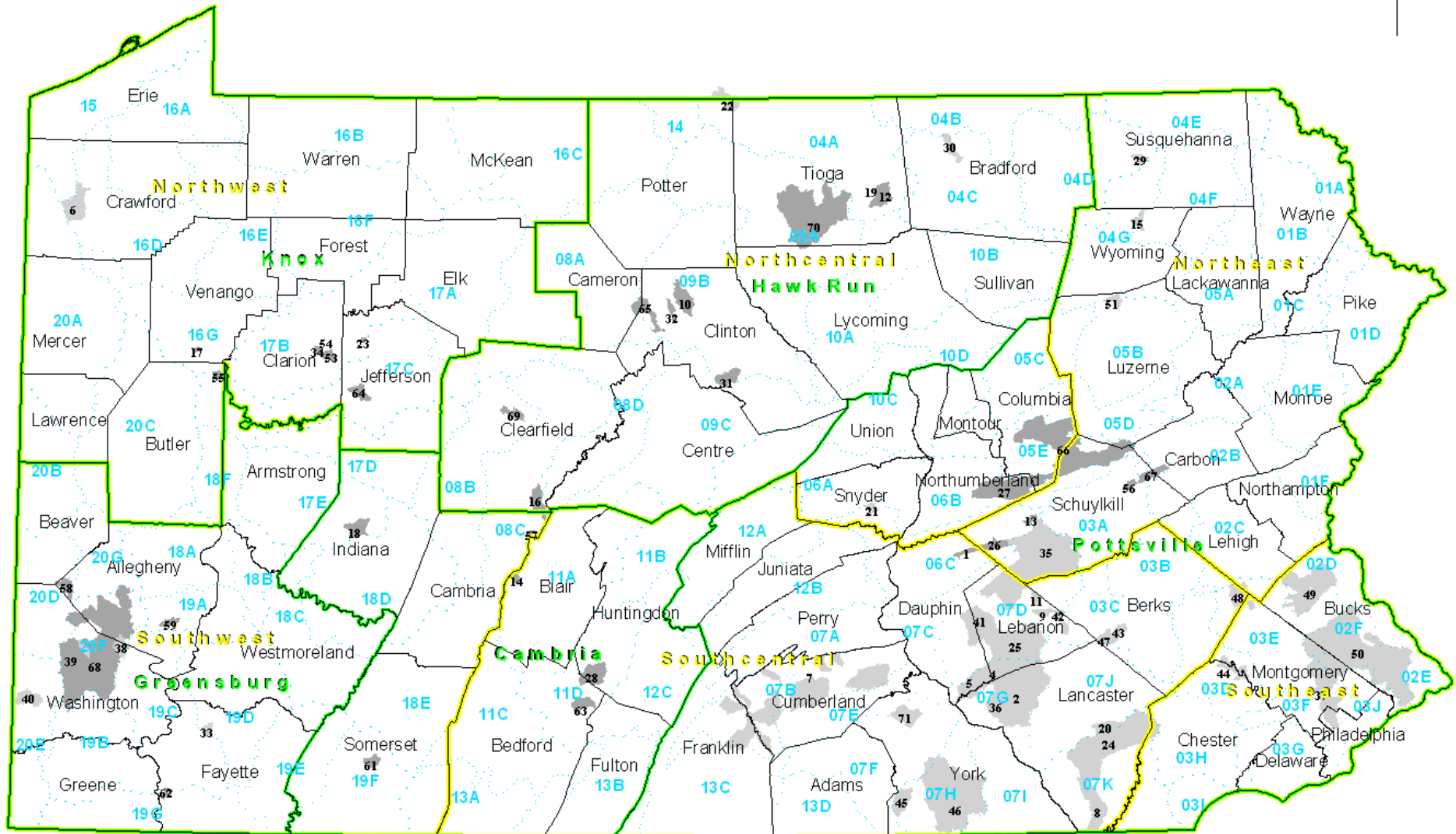
| <b>TMDL Name</b>             | <b>Map #</b> |
|------------------------------|--------------|
| RIGHT FORK OTTER RUN         | 1            |
| LITTLE MILL CREEK            | 2            |
| CLUTCH RUN                   | 3            |
| HADDEN RUN                   | 4            |
| MUDDY BRANCH                 | 5            |
| MOON RUN                     | 6            |
| BURGETTS FORK                | 7            |
| ELK CREEK                    | 8            |
| MIDDLE BRANCH BIG RUN        | 9            |
| LITTLE SCHUYLKILL RIVER      | 10           |
| MILL CREEK                   | 11           |
| SCHUYLKILL RIVER             | 12           |
| WEST BRANCH SKUYLKILL RIVER  | 13           |
| HARMON CREEK                 | 14           |
| RACCOON CREEK                | 15           |
| MONTOUR RUN                  | 16           |
| GLENWHITE RUN                | 17           |
| BURGOON RUN                  | 18           |
| BEAVERDAM BRANCH             | 19           |
| OTTER RUN                    | 20           |
| LOGWAY RUN                   | 21           |
| SUGAR RUN                    | 22           |
| DAGUSCAHONDA RUN             | 23           |
| SURVEYOR RUN                 | 24           |
| LITTLE SURVEYOR RUN          | 25           |
| TROUT RUN                    | 26           |
| LITTLE DEER CREEK            | 27           |
| YORK RUN                     | 28           |
| WALLEY RUN                   | 29           |
| UNION RUN                    | 30           |
| STUMP CREEK                  | 31           |
| Spring RUN                   | 32           |
| SOUTH BRANCH BLACKLICK CREEK | 33           |
| SAXMAN RUN                   | 34           |
| ROARING RUN                  | 35           |
| RICHARDS RUN                 | 36           |
| MUDLICK CREEK PINE RUN       | 37           |
| NYE BRANCH                   | 38           |
| North BRANCH PLUM CREEK      | 39           |
| North BRANCH BEAR CREEK      | 40           |
| FOURMILE RUN                 | 41           |
| MOUNTAIN CREEK               | 42           |
| MCKEE RUN                    | 43           |
| MCCUNE RUN                   | 44           |
| PIGEON CREEK                 | 45           |

| <b>TMDL Name</b>              | <b>Map #</b> |
|-------------------------------|--------------|
| LITTLE SCRUBGRASS CREEK       | 46           |
| PLUM CREEK                    | 47           |
| LAUREL BRANCH RUN             | 48           |
| ELK CREEK                     | 49           |
| GETTY RUN                     | 50           |
| FREEMAN RUN                   | 51           |
| FOURMILE RUN                  | 52           |
| FOUNDRY RUN                   | 53           |
| DUNKARD CREEK                 | 54           |
| DOOLEY RUN                    | 55           |
| BENS CREEK                    | 56           |
| BRUBAKER RUN                  | 57           |
| STERLING RUN                  | 58           |
| SOUTH BRANCH BEAR RUN         | 59           |
| SOLOMONS CREEK                | 60           |
| SANDY CREEK                   | 61           |
| SANBOURN RUN                  | 62           |
| SALT LICK RUN                 | 63           |
| ROLLING STONE RUN             | 64           |
| North CAMP RUN                | 65           |
| North BRANCH UPPER MORGAN RUN | 66           |
| LITTLE LAUREL RUN             | 67           |
| BIG RUN                       | 68           |
| DEER CREEK                    | 69           |
| NESCOPECK CREEK               | 70           |
| MOWRY RUN                     | 71           |
| MORAVIAN RUN                  | 72           |
| MILLSTONE RUN                 | 73           |
| LONG VALLEY RUN               | 74           |
| LICK RUN                      | 75           |
| LAUREL RUN                    | 76           |
| HARTSHORN RUN                 | 77           |
| DENTS RUN                     | 78           |
| BEAR RUN                      | 79           |
| BALD HILL RUN                 | 80           |
| AMOS BRANCH                   | 81           |
| ALDER RUN                     | 82           |
| ALBERT RUN                    | 83           |
| LACKAWANNA RIVER              | 84           |

**Appendix C**  
**Map of Pennsylvania Watersheds With a TMDL Completed Through 2003**








# Pennsylvania Watersheds With a TMDL Completed Through 2003



\*Map is to be used for graphic representation only.

\*\*Watersheds are approximate representations of modeled area.

\*\*\* Fish Tissue and 1998 Approved point source TMDLS not reported on this map.

-  State Water Plan Watershed
-  Regional Office Boundary
-  Non-AMD TMDL Watershed
-  District Mining Office Boundary
-  AMD TMDL Watershed

The data and all supporting documentation used to develop the TMDLs are available from the Department.

The TMDLs and information on the TMDL program can be viewed on the Department's website ([www.dep.state.pa.us](http://www.dep.state.pa.us)) DEP Keyword "TMDL"



## Pennsylvania Watersheds With a TMDL Completed Through 2003

| Map # | TMDL Watershed                | Type         |
|-------|-------------------------------|--------------|
| 1     | BEAR CREEK                    | AMD 2001     |
| 2     | CHICKIES CREEK BASIN          | Non-AMD 2001 |
| 3     | COLD STREAM                   | AMD 2001     |
| 4     | CONEWAGO A                    | Non-AMD 2001 |
| 5     | CONEWAGO B                    | Non-AMD 2001 |
| 6     | CONNEAUT                      | Lake 2001    |
| 7     | CONODOGUINET CREEK            | Non-AMD 2001 |
| 8     | CONOWINGO CREEK               | Non-AMD 2001 |
| 9     | DEEP RUN                      | Non-AMD 2001 |
| 10    | DRURY RUN                     | AMD 2001     |
| 11    | EARLAKILL RUN                 | Non-AMD 2001 |
| 12    | FALL BROOK                    | AMD 2001     |
| 13    | HANS YOST CREEK               | AMD 2001     |
| 14    | KITTANNING RUN                | AMD 2001     |
| 15    | LAKE CAREY                    | Lake 2001    |
| 16    | LITTLE MUDDY RUN              | AMD 2001     |
| 17    | LOCKARD RUN                   | AMD 2001     |
| 18    | MCKEE RUN                     | AMD 2001     |
| 19    | MORRIS RUN                    | AMD 2001     |
| 20    | MUDDY RUN                     | Non-AMD 2001 |
| 21    | NORTH BRANCH MAHANTANGO CREEK | Non-AMD 2001 |
| 22    | NORTH FORK COWANESQUE         | Non-AMD 2001 |
| 23    | PARKS RUN                     | AMD 2001     |
| 24    | PEQUEA CREEK                  | Non-AMD 2001 |
| 25    | QUITTAPAHILLA BASIN           | Non-AMD 2001 |
| 26    | RAUSCH CREEK                  | AMD 2001     |
| 27    | SHAMOKIN CREEK                | AMD 2001     |
| 28    | SHOUP RUN                     | AMD 2001     |
| 29    | SOUTH BRANCH WYALUSING CREEK  | Non-AMD 2001 |
| 30    | STEPHEN FOSTER LAKE           | Lake 2001    |
| 31    | TANGASCOOTACK CREEK           | AMD 2001     |
| 32    | TWOMILE RUN                   | AMD 2001     |
| 33    | VIRGIN RUN                    | Lake 2001    |
| 34    | WHITES RUN                    | AMD 2001     |
| 35    | SWATATRA CREEK                | Non-AMD 2001 |
| 36    | DONEGAL CREEK                 | Non-AMD 2001 |

| Map # | TMDL Watershed             | Type         |
|-------|----------------------------|--------------|
| 37    | * WISSAHICKON CREEK        | Non-AMD 2003 |
| 38    | * BRUSH RUN                | Non-AMD 2003 |
| 39    | PLUM RUN                   | Non-AMD 2003 |
| 40    | DUTCH FORK                 | Lake 2003    |
| 41    | UNT SWATARA CREEK          | Non-AMD 2003 |
| 42    | OWL CREEK                  | Non-AMD 2003 |
| 43    | LITTLE CACOOSING CREEK     | Non-AMD 2003 |
| 44    | UNT SCHUYLKILL RIVER       | Non-AMD 2003 |
| 45    | OIL CREEK                  | Non-AMD 2003 |
| 46    | SOUTH BRANCH CODORUS CREEK | Non-AMD 2003 |
| 47    | HOSPITAL CREEK             | Non-AMD 2003 |
| 48    | * GREENLANE RESERVOIR      | Lake 2003    |
| 49    | LAKE NOCKAMIXON            | Lake 2003    |
| 50    | * NESHAMINY CREEK          | Non-AMD 2003 |
| 51    | HARVEYS LAKE               | Lake 2003    |
| 52    | UNT TULPEHOCKEN CREEK      | Non-AMD 2003 |
| 53    | DOUGLASS RUN               | AMD 2003     |
| 54    | JONES RUN                  | AMD 2003     |
| 55    | FOWLER UN                  | AMD 2003     |
| 56    | WABASH CREEK               | AMD 2003     |
| 57    | BEAR LOOP RUN              | AMD 2003     |
| 58    | POTATO GARDEN RUN          | AMD 2003     |
| 59    | THOMPSON RUN               | AMD 2003     |
| 60    | LONGS RUN                  | AMD 2003     |
| 61    | LAUREL RUN                 | AMD 2003     |
| 62    | CATS RUN                   | AMD 2003     |
| 63    | SANDY RUN                  | AMD 2003     |
| 64    | BEAVER RUN                 | AMD 2003     |
| 65    | COOKS RUN                  | AMD 2003     |
| 66    | CATAWISSA CREEK            | AMD 2003     |
| 67    | PANTHER CREEK              | AMD 2003     |
| 68    | CHARTIERS CREEK            | AMD 2003     |
| 69    | MONTGOMERY CREEK           | AMD 2003     |
| 70    | BABB CREEK                 | AMD 2003     |
| 71    | PINCHOT LAKE               | Lake 2003    |

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\* TMDL completed pending formal EPA Approval.