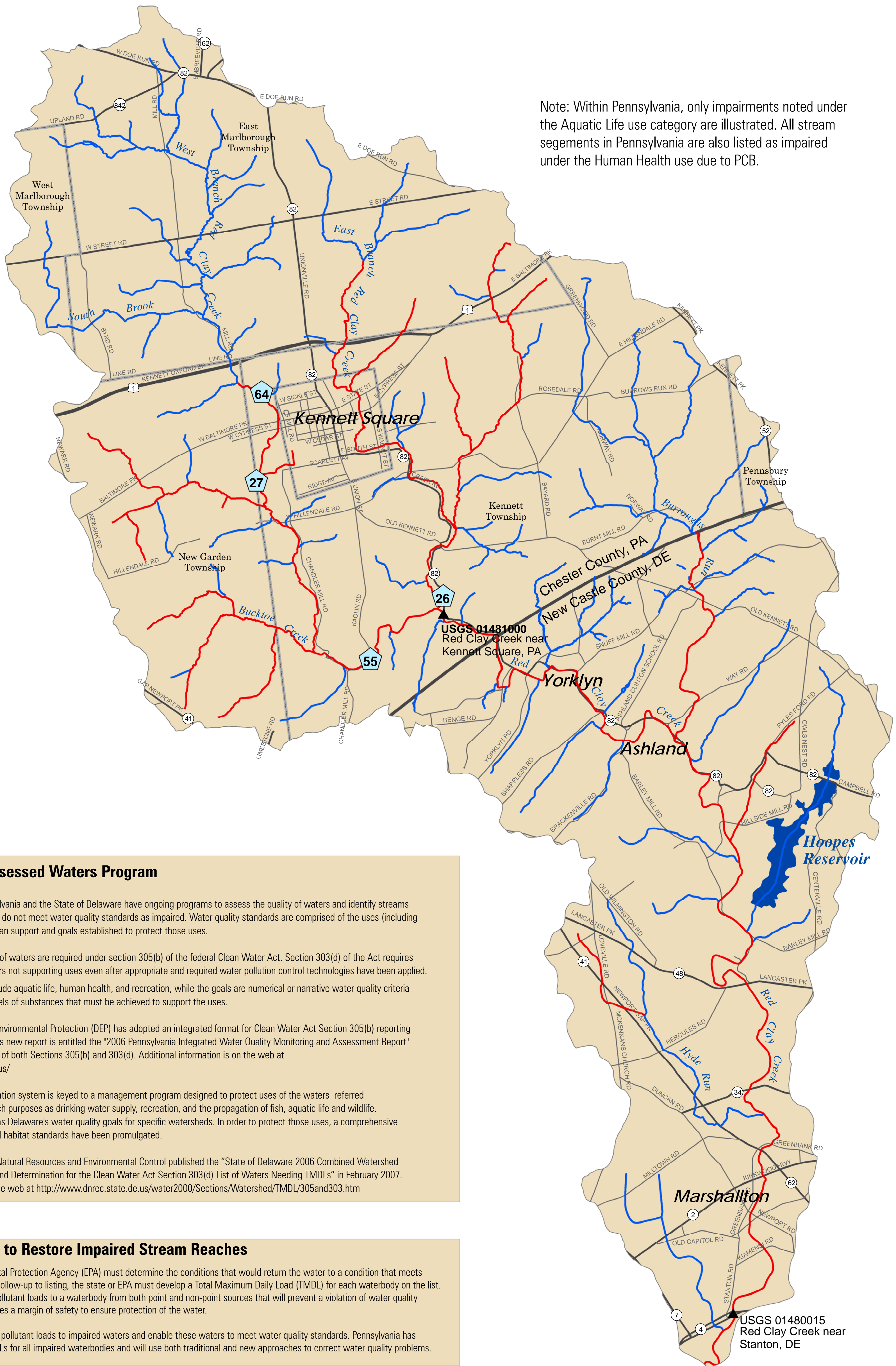


2006 Assessed Waters for Red Clay Creek Watershed



Note: Within Pennsylvania, only impairments noted under the Aquatic Life use category are illustrated. All stream segments in Pennsylvania are also listed as impaired under the Human Health use due to PCB.

Background of Assessed Waters Program

The Commonwealth of Pennsylvania and the State of Delaware have ongoing programs to assess the quality of waters and identify streams and other bodies of water that do not meet water quality standards as impaired. Water quality standards are comprised of the uses (including antidegradation) that waters can support and goals established to protect those uses.

Periodic reports on the quality of waters are required under section 305(b) of the federal Clean Water Act. Section 303(d) of the Act requires states to list all impaired waters not supporting uses even after appropriate and required water pollution control technologies have been applied.

Within Pennsylvania, uses include aquatic life, human health, and recreation, while the goals are numerical or narrative water quality criteria that express the in-stream levels of substances that must be achieved to support the uses.

For 2006, the Department of Environmental Protection (DEP) has adopted an integrated format for Clean Water Act Section 305(b) reporting and Section 303(d) listing. This new report is entitled the "2006 Pennsylvania Integrated Water Quality Monitoring and Assessment Report" and satisfies the requirements of both Sections 305(b) and 303(d). Additional information is on the web at <http://www.depweb.state.pa.us/>

Within Delaware, the classification system is keyed to a management program designed to protect uses of the waters referred to as "designated uses" for such purposes as drinking water supply, recreation, and the propagation of fish, aquatic life and wildlife. These designated uses serve as Delaware's water quality goals for specific watersheds. In order to protect those uses, a comprehensive set of chemical, biological, and habitat standards have been promulgated.

The Delaware Department of Natural Resources and Environmental Control published the "State of Delaware 2006 Combined Watershed Assessment Report (305(b)) and Determination for the Clean Water Act Section 303(d) List of Waters Needing TMDLs" in February 2007. Information can be found on the web at <http://www.dnrec.state.de.us/water2000/Sections/Watershed/TMDL/305and303.htm>

Regulatory Efforts to Restore Impaired Stream Reaches

States or the U.S. Environmental Protection Agency (EPA) must determine the conditions that would return the water to a condition that meets water quality standards. As a follow-up to listing, the state or EPA must develop a Total Maximum Daily Load (TMDL) for each waterbody on the list. A TMDL identifies allowable pollutant loads to a waterbody from both point and non-point sources that will prevent a violation of water quality standards. A TMDL also includes a margin of safety to ensure protection of the water.

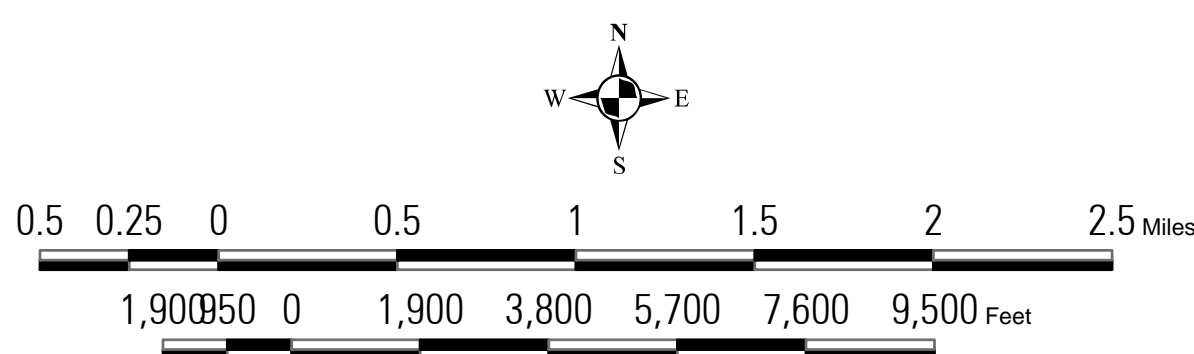
A TMDL is designed to reduce pollutant loads to impaired waters and enable these waters to meet water quality standards. Pennsylvania has committed to developing TMDLs for all impaired waterbodies and will use both traditional and new approaches to correct water quality problems.



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Assessed Waters in the Red Clay Creek watershed

- Not Meeting Water Quality Standards
- Attaining Standards
- USGS Stream Gage Stations
- USGS Biological Monitoring Locations (number is local ID)
- Red Clay Creek watershed
- Municipal Boundaries



October 26, 2007

Sources
 Pennsylvania Department of Environmental Protection, Office of Water Management, 2007; Pennsylvania Department of Environmental Protection - 2006 Integrated List of All Waters, <http://www.dep.state.pa.us/>
 Delaware Department of Natural Resources and Environmental Control, Division of Water Resources, <http://www.dnrec.state.de.us/water2000/>
 Red Clay Valley Association, 2007.

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