



Water Quality Data

The Pittsburgh District Water Quality Team collects both **grab** (water sample collected at a specific time and place) and **continuous** (automated) water quality samples.

Grab Data

Visitors can request grab data by contacting the Water Quality Team and specifying what lake(s), what year(s), and what type of data you are interested in. To contact the Pittsburgh District Water Quality Team, use the following:

Email LRP-WaterQuality@usace.army.mil - Telephone: (412) 395-7300.



Continuous Data

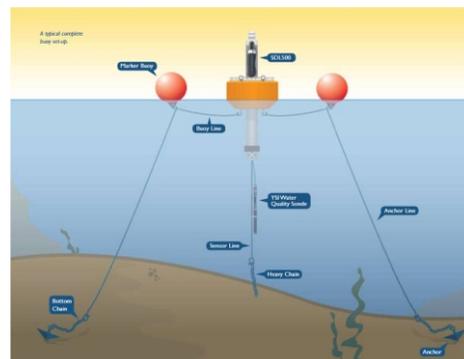
Visitors can view real time continuous data for the 12 water temperature buoys at Pittsburgh District reservoirs (when in operation from the spring through fall) and the 35 USGS water quality stations that are funded in part by the US Army Corps of Engineers below.

Water Temperature Buoys - <https://www.wqdatalive.com/public/15>

The Pittsburgh District utilizes a network of water temperature buoys to measure lake temperature at 12 reservoirs and other water quality parameters, primarily pH, specific conductivity, dissolved oxygen and turbidity, at 4 reservoirs. Data are recorded hourly every day from spring to fall each year. Water temperature and quality readings are taken on the lake, near the dam, by an automated buoy that has a temperature string, and in some cases a water quality sonde.

Fondriest Environmental is the company contracted by the Pittsburgh District to provide services for the water temperature buoy network. For more details on the platform, see the following document.

http://www.fondriest.com/pdf/fondriest_wq_guide.pdf



USGS Water Quality Monitoring Stations - http://waterdata.usgs.gov/nwis/current/?type=quality&group_key=NONE

The United States Geological Survey (USGS) is funded by the U.S. Army Corps of Engineers (USACE) to build, operate and store data for water quality monitoring stations throughout the Pittsburgh District. Diagrams of these monitoring stations can be seen below and more information can be found at: <http://pubs.usgs.gov/tm/2006/tm1D3/>

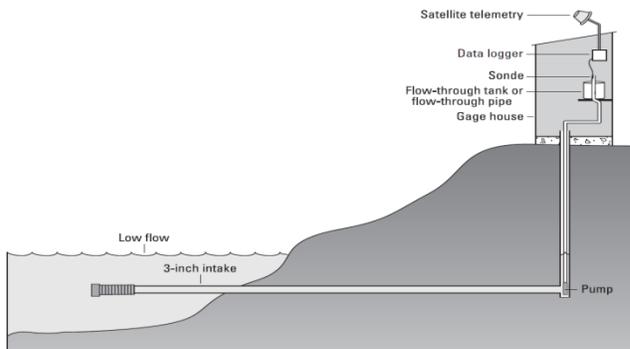


Figure 2. Ramapo River at Pompton Lakes, New Jersey, and schematic of flow-through water-quality monitoring station.

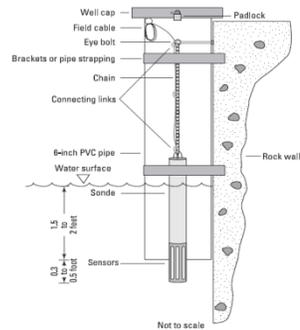


Figure 3. Delaware River and Araitan Canal feeder at Raven Rock, New Jersey, and schematic of internal-logging water-quality monitoring sensor and recording system.

Disclaimer

NOTICE: All data contained herein is preliminary in nature and therefore subject to change. The data is for general information purposes ONLY and SHALL NOT be used in technical applications such as, but not limited to, studies or designs. All critical data should be obtained from and verified by the United States Army Corps of Engineers, Pittsburgh District, Water Quality Team, 1000 Liberty Avenue, Pittsburgh, PA 15222. The United States of America assumes no liability for the completeness or accuracy of the data contained herein and any use of such data inconsistent with this disclaimer shall be solely at the risk of the user.

Photo Captions Illustrations and Credits (From Top to Bottom)

April Richards collects water samples with a Kemmerer bottle at Tygart Lake – April Richards, Natural Resources Specialist
Water Temperature Buoy Illustration from “Water Quality Buoy Profiling” – http://www.fondriest.com/pdf/Profiling_Buoy.pdf -
Fondriest Environmental

USGS Continuous Water Quality Monitoring Station Illustrations – From “Guidelines and Standard Procedures for Continuous Water-Quality Monitors: Station Operation, Record Computation, and Data Reporting” - By Richard J. Wagner, Robert W. Boulger, Jr., Carolyn J. Oblinger, and Brett A. Smith – Publication can be found at <http://pubs.usgs.gov/tm/2006/tm1D3/>