WATER QUALITY IN THE USGS WATER MISSION AREA

NAWQA ➔ NWQP/NAWQA ➔ WRAP
Tracking Water Quality of the Nation's Rivers and Streams

The USGS National Water-Quality Assessment (NAWQA) Project is characterizing the status and trends of the Nation's surface-water quality through a National Water Quality Network. This website provides data on national ambient water-quality conditions. The data are reported systematically and updated annually. Learn more...

Rivers and Streams Across the United States
Water Quality Summaries

Mississippi River Basin
Relative Nutrient Loading from Tributaries

Coastal Rivers
Nitrate Loads and Yields
SPARROW modeling: Estimating nutrient, sediment, and dissolved solids transport

NEW RELEASE: Point Source Load Estimation Tool

Access software for annual wastewater nutrient data preparation and load estimation using the Point Source Load Estimation Tool (PSLoadEst) and the accompanying report.

SPARROW (SPAtially Referenced Regressions On Watershed attributes) models estimate the amount of a contaminant transported from inland watersheds to larger water bodies by linking monitoring data with information on watershed characteristics and contaminant sources. Explore relations between human activities, natural processes, and contaminant transport using Interactive Mappers.
Estimated Annual Agricultural Pesticide Use

Pesticide Use Maps - Atrazine

Select another pesticide

Estimated Agricultural Use for Atrazine, 2016 (Preliminary)

EPEst-High

EPEst-Low

Estimated use on agricultural land, in pounds per square mile

- < 3.14
- 3.14 - 18.11
- 18.12 - 64.23
- > 64.23
- No estimated use

CAUTION: State-based and other restrictions on pesticide use were not incorporated into EPEst-high or EPEst-low estimates. EPEst-low estimates usually reflect these restrictions because they are based primarily on surveyed data. EPEst-high estimates include more extensive estimates of pesticide use not recorded in surveys, which sometimes include States or areas where use restrictions have been imposed. Users should consult with State and local agencies for specific use restrictions.
New WMA Priorities

Integrated Water Availability Assessments
IWAAs evaluate water availability in terms of the spatial and temporal distribution of water quantity and quality in both surface and groundwater, as related to human and ecosystem needs and as affected by human and natural influences.

Water Prediction Work Program (2WP)
2WP model predictions will support daily to decadal forecast-based management of water supplies and infrastructure at a regional and National extent through improvement of existing tools and development of new capacity supported by our observational data and data collected by other monitoring organizations.

NexGen Water Observing System (NGWOS)
The next generation observing systems (NGWOS) is an integrated set of fixed and mobile assets -- in the water, on the ground and in the air-- that will measure, collect and deliver data that can help address water resource challenges and decision-making needs of the future.

NWIS Modernization
NWIS data systems that house water information will be modernized to the newest technology. NWIS modernization will maximize data integrity, reliability, and accessibility while simplifying data delivery to the general public.