

Access Free National Water Quality Assessment Geological Survey Faces  
Formidable Data Management Challenges Report To The Chairman  
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**National Water Quality Assessment Geological**

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Groundwater provides nearly 50 percent of the Nation's drinking water. To help protect this vital resource, the U.S. Geological Survey (USGS) National Water-Quality Assessment (NAWQA) Project assesses groundwater quality in aquifers that are important sources of drinking water (Burow and Belitz, 2014).

## **National Water-Quality Assessment (NAWQA) - USGS**

The USGS implemented the National Water-Quality Assessment (NAWQA) Program in 1991 to develop long-term consistent and comparable information on streams, rivers, ground water, and aquatic systems in support of national, regional, State, and local information needs and decisions related to water-quality management and policy.

## **USGS NAWQA: About the National Water Quality Assessment ...**

The National Water Quality Program (NWQP) of the Water Mission Area conducts water-quality monitoring, assessment, and research activities that: Assess the current quality of the Nation's freshwater resources and how it is changing over time, Explain how human activities and natural factors (e.g., land use, water use and climate

## **National Water-Quality Assessment Project (NAWQA) - USGS**

In 2001, the U.S. Geological Survey's National Water-Quality Assessment (NAWQA) Program begins its second decade of intensive water-quality assessments. NAWQA scientists will return to 14 major river-basin and aquifer systems that were assessed in the first decade; another two groups of 14 will be studied beginning in 2004 and 2007.

## **The National Water-Quality Assessment Program ... - USGS**

As part of the U.S. Geological Survey National Water-Quality Assessment (NAWQA) Program, a study was conducted from 2001 to 2011 to shed light on factors that affect the vulnerability of

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water from public-supply wells to contamination (referred to hereafter as “public-supply-well vulnerability”).

## **National Water-Quality Assessment (NAWQA): 1991-2012 - USGS**

The National Water-Quality Assessment (NAWQA) Project is a leading source of scientific data and knowledge for development of science-based policies and management strategies to improve and protect our water resources.

## **National Water Quality Program | USGS.gov**

The U.S. Geological Survey's National Water-Quality Assessment program includes extensive data-collection efforts to assess the quality of the Nations's streams. These studies require analyses of stream samples for major ions, nutrients, sediments, and organic contaminants.

## **National Water-Quality Project Sampling Methods - USGS**

National Water-Quality Assessment (NAWQA) - Links to Study Units For more information about a study unit, see the map or table below and find the link to the study unit of interest. Not all study units are on-line right now, but check back because we continue to add them as they become available.

## **USGS NAWQA STUDY UNIT CLICKABLE MAP**

The National Water Quality Program provides an understanding of water-quality conditions; whether conditions are getting better or worse over time; and how natural features and human activities affect those conditions.

## **National Water Quality Program - USGS**

During 2013-2017, the U.S. Geological Survey, National Water-Quality Assessment (NAWQA)

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Project, collected water samples year-round from the National Water Quality Network - Rivers and Streams (NWQN) and reported on 221 pesticides at 72 sites across the US in agricultural, developed, and mixed land use watersheds.

## **Pesticides and Water Quality - USGS**

National Water-Quality Assessment (NAWQA) Biological Sampling, Habitat, and Laboratory Protocols. Methods for sampling fish communities as a part of the National Water-Quality Assessment Program (USGS Open-File Report 93-104)-- [This protocol was in use during the period 1991-2001; it has been superseded by USGS Open-File Report 02-150.] Methods for collecting benthic invertebrate samples as part of the National Water-Quality Assessment Program (USGS Open-File Report 93-406)-- [This ...

## **USGS NAWQA PROTOCOLS**

The National Water-Quality Assessment Program - Progress To-Date and Setting the Stage for the Future (pdf, 6 pages) (October 2008) U.S. Geological Survey (USGS) Investigations of National and Regional Trends in Ground-Water Quality in the United States (September 2008)

## **USGS NAWQA: Headlines, Activities, and Publications**

National Water-Quality Assessment (NAWQA) Program. U.S. Geological Survey Circular 1136 Nutrients in the Nation's Waters--Too Much of a Good Thing? By David K. Mueller and Dennis R. Helsel (798K GIF) Abstract

## **USGS NAWQA CIRC1136 Nutrients in Nation's Waters**

The National Water-Quality Assessment Program assesses the status of and trends in the quality of the Nation's ground- and surface-water resources. The occurrence and distribution assessment component characterizes broad-scale water-quality conditions in relation to major contaminant

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sources and background conditions in each study area.

## **Design of the National Water-Quality Assessment ... - USGS**

The Quality of Our Nation's Waters: Individual river basin and aquifer ("Study Unit") assessments: Mercury in the Nation's Streams--Levels, Trends, and Implications (USGS Circular 1395) (Press Release) (2014) Ecological Health in the Nation's Streams, 1993-2005 (USGS Circular 1391) (Press Release) (2013) Factors Affecting Public-Supply-Well Vulnerability to Contamination—Understanding ...

## **USGS NAWQA: Summary Reports**

Groundwater quality data were collected from 5,000 wells between 1988-2001 (first sampling event) by the U.S. Geological Survey's National Water-Quality Assessment Project. Samples are collected in groups of 20-30 wells with similar characteristics called networks.

## **Decadal Change in Groundwater Quality - USGS**

National Water-Quality Assessment (NAWQA) Project. Go to: NAWQA Home. Pesticide National Synthesis Project. Home Publications National Statistics Data Pesticide Use Water-Quality Benchmarks PNSP Internal. Data. Analytical Strategy. ... Page Contact Information: gs-w\_nawqa\_whq@usgs.gov

## **USGS NAWQA: The Pesticide National Synthesis Project**

Ecological Studies are an integral part of the approach used by NAWQA to assess water quality. Information on biological communities and habitat characteristics contributes to the conceptual model of factors that affect water quality and to improved understanding of the relation among physical, chemical, and biological characteristics of streams.

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**Sacramento River Basin, National Water Quality Assessment ...**

A comprehensive national analysis of nutrients in streams and groundwater from 1992 through 2004 is provided by the National Water-Quality Assessment (NAWQA) Program of the United States Geological Survey (USGS).

**USGS Circular 1350: Nutrients in the Nation's Streams and ...**

Water-Quality Tracking Water-Quality Changes Beginning 2015, the provider of the surveyed pesticide data used to derive the county-level use estimates discontinued making estimates for seed treatment application of pesticides because of complexity and uncertainty.

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