

# The U.S. Geological Survey National Atmospheric Deposition Network

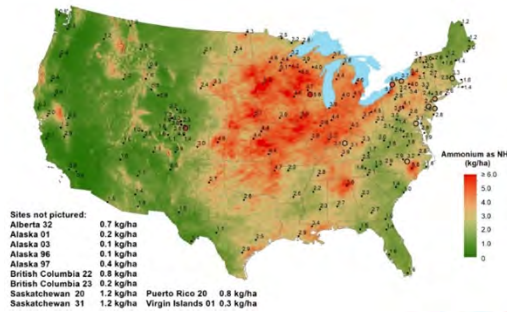
2023

The U.S. Geological Survey (USGS) has been a National Atmospheric Deposition Program (NADP) partner agency since 1981. NADP is comprised of five atmospheric monitoring networks that verify Clean Air Act effectiveness and provide essential data to protect human health and preserve ecosystems for current and future generations. Stakeholders include land management agencies overseeing sensitive habitats (National Park Service, Bureau of Land Management, U.S. Forest Service, and First Nations), Federal and State regulatory agencies, and the public.



NTN site at KY35 Clark State Fish Hatchery, Rowan County, Kentucky (USGS station 380706083324900). This and all other images and figures in this product are from the USGS NADP.

The USGS participates in three NADP monitoring networks: the National Trends Network (NTN), the Mercury Deposition Network, and the Mercury Litterfall Network. The USGS provides resources and scientific and technical support for 82 of the 263 NTN sites, making it one of the largest scientific contributors among the network partner agencies. Weekly precipitation samples are collected at NTN sites, then shipped and analyzed for chemical constituents at a central laboratory. The data are then used for producing atmospheric deposition maps used to assess the effectiveness of the Clean Air Act.



\*Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

NADP sites and United States 2021 ammonium deposition in kilograms per hectare.



NTN N-CON Systems Company, Inc., systems collector.\*



OH71 yearly sulfate (SO4) deposition in kilograms per hectare (kg/ha), recorded at Wooster Exp Sta Weather Station at Wooster OH (USGS station 404700081550000).

2,861

Valid NTN samples collected in 2022

31

NTN sites funded by U.S. Geological Survey

9

Atmospheric chemical constituents analyzed for each sample

For more information about the U.S. Geological Survey Water Monitoring Networks:

Visit <https://www.usgs.gov/mission-areas/water-resources/science/national-atmospheric-deposition-program-nadp>

Contact the [National Atmospheric Deposition Program Coordinator](#)