

AIR QUALITY

● **51** Moderate

Highest reading: Benzene at Longmont Union Reservoir (LUR)
Updated 10:04 AM

[Click to view live data →](#)

Bringing high quality air monitoring & research to the Colorado Front Range



CONTACT



AIR MONITORING



RESOURCES

OUR SERVICES

Comprehensive Air Quality Solutions



Air Quality Monitoring
Station



Research



Pod Sampling



Canister Sampling

01

Fixed Monitoring Network

We design and operate permanent air monitoring sites across the Front Range and beyond, offering continuous, 24/7 measurement of a comprehensive suite of atmospheric pollutants and trace gases.

[Learn More →](#)

[Get a Quote](#)



Air Quality
Monitoring Station

EXPERTISE

What We Do

Boulder AIR offers a variety of services tailored to air quality needs.

☰ WHAT WE DO

🏠 RESEARCH INSIGHTS

📊 DATA FROM THE FIELD

EXPERTISE

What We Do

- 01 Atmospheric Monitoring Programs
- 02 Trace Gas & Pollutant Analysis
- 03 Remote Site Monitoring
- 04 Oil & Gas Emissions Tracking
- 05 Data Evaluation & Quality Control
- 06 Custom Research & Reporting
- 07 Advanced Measurement Development
- 08 Real-Time Data Dashboards
- 09 Trend Analysis & Modeling
- 10 Dispersion Modeling

Operating and maintaining 24/7 automated monitoring stations in remote field locations.



REAL-TIME DATA

Current Air Monitoring Programs

Our network of monitoring stations provides continuous atmospheric measurements across Colorado and beyond.



LUR
Longmont Union Reservoir



BSE
Broomfield Soaring Eagle Park



TFS
Toolik Lake, Alaska



LLG
Longmont Lykins Gulch



BNP
Broomfield North Pecos



ECC
Erie Community Center

DATA TOOLS

Online Resources

Access our interactive tools and real-time data visualization platforms.



MAP TOOL

Interactive Sitemap

Explore all monitoring locations on an interactive Google Maps interface with detailed site information.

Open Map

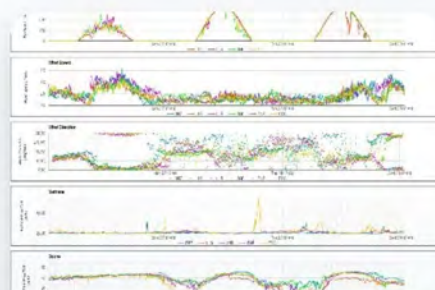


ANALYSIS TOOL

Interactive Data Analysis Tool

IDAT allows you to explore, filter, and visualize our atmospheric monitoring data in real-time.

Launch IDAT



LIVE DATA

Air Live Combined Data

View combined real-time data plots from all our Northern Colorado Front Range monitoring sites.

View Data



Publicly Posted Dataset Products

Finalized datasets which have undergone rigorous quality control, made available for public dissemination on the following archives:

- [View the Arctic Data Center archive](#)
- [View the EPA's AMTIC Ambient Monitoring Archive for HAPs](#)
- [View Norwegian Institute for Air Research \(NILU\) EBAS Database](#)
- [View Boulder AIR's dataset products QC and archive submission status](#)

RESEARCH

Publications

Boulder AIR and team peer-reviewed publications

2026 ^

Caputi, D., Franklin, M., Greenberg, G., Hueber, J., Johnston, J., Potter, K., Schade, G., Stahl, M., Wu, J.Y., Cushing, L., Daly, R., Helmig, D., 2026. Airborne radioactivity in the New Mexico oil and gas development area of the Permian Basin. *Elem. Sci. Anthro.* 14, 00128. <https://doi.org/10.1525/elementa.2025.00128>

Schade, G., Helmig, D., Potter, K.E., Stahl, M., Greenberg, G., Air quality trends in Texas and Colorado associated with unconventional oil and gas development. HEI, 2026. Research Report 242. <https://www.healtheffects.org/publication/long-term-trends-air-quality-unconventional-oil-and-gas-development-regions-united>

Angot, H., Réveillet, M., Dada, L., Jacobi, H.-W., Archer, S.D., Bariteau, L., Barten, J.G.M., Beck, I., Bergner, N., Blomquist, B., Bourgeois, I., Boyer, M., Bucci, S., Creamean, J., Barry, K., Cox, C.J., Dahlke, S., Duetsch, M., Dumont, M., Ganzeveld, L.N., Helmig, D., Heutte, B., Howard, D., Jokinen, T., Laurila, T., Macfarlane, A.R., Pernov, J.B., Persson, P.O.G., Posman, K.M., Quéléver, L., Shupe, M.D., Stohl, A., Schmale, J., 2026. Influence of warm and moist air intrusions on black carbon deposition and snowmelt in the central Arctic. *Elem. Sci. Anth.* 14, 00124. <https://doi.org/10.1525/elementa.2025.00124>

Praplan, A.P., Thomas, S.J., Daly, R.W., Park, J.-H., Wang, W., Liikanen, A., Angot, H., Hueber, J., Bianchi, F., Guenther, A., Helmig, D., 2026. Total ozone reactivity measurements reveal knowledge gap in volatile organic emissions and their reactions. *J. Geophys. Res. Atmos.* 131, e2026JD047054. <https://doi.org/10.1029/2026JD047054>

Franklin, M., Schade, G., Caputi, D., Cushing, L.J., Daly, R.W., Greenberg, G., Helmig, D., Hueber, J., Johnston, J.E., Potter, K.E., Stahli, M., Wu, J.Y., 2026. Source contributions to air pollution in the Permian Basin: evaluating emissions from unconventional oil and gas activities. Environ. Sci. Technol. 3, 1284–1300. <https://doi.org/10.1021/acsestair.5c00429>

2025 ^

PREVIOUS YEARS (2010–2025) v

MEDIA

News

News coverage of Boulder AIR's work

January 6, 2026

Boulder Reporting Lab: "Boulder residents push for independent air monitoring as Xcel prepares to dig up toxic coal ash at Valmont"

Read Por Jaijongkit's reporting on Boulder residents advocating for independent air monitoring as Xcel Energy prepares to excavate toxic coal ash at the Valmont Power Station.

May 29, 2025

AP News: "Oil and gas have boomed in New Mexico. Its schools are contending with pollution's effects"

Explore Ed Williams and Montoya Bryan's reporting on how New Mexico's oil and gas boom is impacting student health and academic performance, as illustrated by air quality studies such as the one conducted by Boulder AIR in the region.

February 3, 2025

9News: "Funding cuts cease Boulder County's air monitoring program"

Read Rachael Krause's article on the abrupt termination of Boulder AIR's monitoring program after eight years and the impact on air pollution science and policy in Boulder County.

January 26, 2025

Boulder Reporting Lab: "'It's such a loss': Boulder monitoring program tracking air and climate pollution is defunded"

Read Por Jaijongkit's article on the termination of the air monitoring program at the Boulder Reservoir and its impacts on air pollution science and the community.

November 11, 2024

Denver7 News: "Air monitoring study finds 'elevated radioactivity' near Suncor oil refinery"

Read and watch Angelika Albaladejo's reporting on a new study finding radioactive emissions downwind of the Suncor oil refinery in Commerce City, Colorado.

[VIEW MORE NEWS](#)



GET IN TOUCH

Contact Us

Have questions about our research or interested in collaboration? We'd love to hear from you.

NAME

Your name



EMAIL

ORGANIZATION (Optional)

Your organization

MESSAGE

Your message

Send Message



BOULDER AIR

Independent atmospheric research and monitoring serving communities across Colorado and beyond. Providing high-quality air quality data since 2015.

EXPLORE

- Monitoring Sites
- Data Tools
- Publications
- Contact

VISITORS

Visitor Counter	
Today	17
Yesterday	24
All	36924
Online	8