NCUAQMD
2026 Annual Network Plan for Ambient Air Monitoring

July 1, 2026

North Coast Unified
Air Quality Management District
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Contents

Definition of Terms

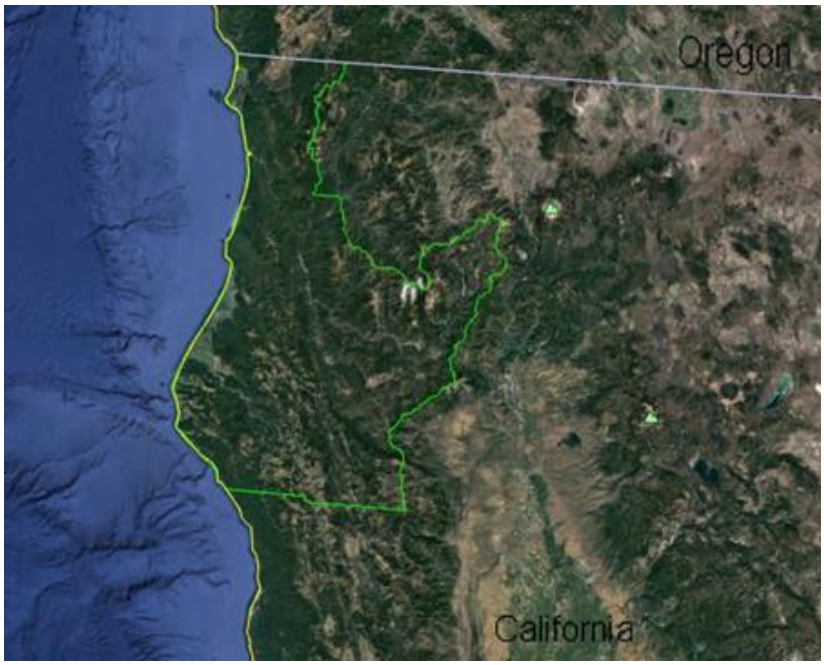
AAC	Atmospheric Analysis and Consulting
AADT	Annual Average Daily Traffic
AAQS	Ambient Air Quality Standard
AQI	Air Quality Index
AQMIS	Air Quality and Meteorological Information System
AQS	Air Quality System
BAAQMD	Bay Area Air Quality Management District
CA	California
CARB	California Air Resources Board
E-BAM	Environment (proof) Beta-Attenuation Monitor
FEM	Federal Equivalency Method
FRM	Federal Reference Method
IMPROVE	Interagency Monitoring of Protected Visual Environments
IRA	Inflation Reduction Act (2022 Grant under sections 103/105 of the Clean Air Act)
MSA	Micropolitan Statistical Area
NAAQS	National Ambient Air Quality Standards
NOAA	National Oceanographic and Atmospheric Administration
NCUAQMD	North Coast Unified Air Quality Management District
NPAP	National Performance Audit Program
NSN	National Sovereign Nation
POC	Parameter Occurrence Code
PQAO	Primary Quality Assurance Organization
SIP	State Implementation Plan
SLAMS	State and Local Air Monitoring Station
SOP	Standard Operating Procedure
SPM	Special Purpose Monitor
TRS	Total Reduced Sulfur
USFS	United States Forest Service

Executive Summary

One of the keys to managing successful emissions reduction strategies is a reliable monitoring network which informs decisions. The North Coast Unified Air Quality Management District ("NCUAQMD") works to optimize its monitoring network to best inform planning decisions. Annual review of governmental air monitoring networks is required by Title 40 of the Code of Federal Regulations Part 58.10 (40 CFR 58.10). The NCUAQMD's *2026 Annual Network Plan for Ambient Air Monitoring* is an examination of the District's air monitoring network. The Plan meets the requirements as defined in 40 CFR 58.10.

The NCUAQMD is located within the North Coast Air Basin in California. Responsibility for air monitoring in the North Coast Air Basin is divided among three air districts: Mendocino County Air Quality Management District, Northern Sonoma County Air Pollution Control District, and North Coast Unified Air Quality Management District. These air districts belong to the California Air Resources Board (CARB) Primary Quality Assurance Agency (PQAO). Further information about Northern Sonoma APCD and Mendocino County AQMD monitoring can be found in the CARB Annual Network Plan.

NCUAQMD is in the northwestern portion of the North Coast Air Basin, covering a territory of 7,753 square miles. It has jurisdiction over the three counties: Humboldt, Del Norte, and Trinity. The NCUAQMD is bordered on the west by the Pacific Ocean and extends from the Oregon border south approximately 140 miles to the Mendocino County line. This area includes widely varied terrain, from coastal wetlands to rugged mountains. Diurnal offshore wind patterns are common. During summer months, north to northwest winds dominate, whereas in the winter winds tend to come from the south. Inversions are a regular occurrence due to the complex topography of the area coupled with its' coastal location. These inversions occur year-round, but most frequently during the cooler months from late fall to early spring. The NCUAQMD office is located in Eureka, the county seat of Humboldt County. Eureka is 284 miles north of San Francisco and 466 miles south of Portland, Oregon.



The pollutant of greatest concern within the jurisdiction is Particulate Matter (PM). Del Norte and Trinity Counties are classified as being in attainment for PM_{10} for the California State 24-hour PM_{10} standard under the Ambient Air Quality Standard (AAQS), while Humboldt County is classified as Nonattainment for that standard. Based on studies and emission inventories, PM emissions within the jurisdiction appear to be primarily from transportation, woodstoves, open burning, permitted sources, and wildfire events. The NCUAQMD continues to strive toward reaching the California AAQS for PM_{10}. When Exceptional Events are excluded, Humboldt County has met attainment requirements for the most recent years of 2023-2025.

There are two major (Title V) stationary sources of emissions in the jurisdiction, which are both located in Humboldt County near Eureka: Humboldt Sawmill Company (Scotia) and the PG&E Humboldt Bay Generating Station (Eureka). The NCUAQMD operates three stationary air monitoring stations, one in each county within the jurisdiction. NCUAQMD also deploys portable particulate matter monitors (E-BAM) to monitor both prescribed fires and wildfires.

The 2026 Annual Network Plan for Ambient Air Monitoring was made available for a 30-day public comment period. All comments received were forwarded to the United States Environmental Protection Agency (EPA) concurrent with submittal of the plan. Written comments were submitted to the North Coast Unified Air Quality Management District, Attn: Comments on Annual Network Monitoring Plan, 707 L Street, Eureka, California, 95501. Changes suggested in the comments may be addressed in subsequent plan updates. This report may be viewed on the NCUAQMD website (www.ncuaqmd.org), and hard copies are available for review at the NCUAQMD office. Written comments were submitted to the North Coast Unified Air Quality Management District, Attn: Comments on Annual Network Monitoring Plan, 707 L Street, Eureka, California, 95501.

Network Design

The NCUAQMD operated three monitoring sites in 2025. The maps on the following pages show the locations of the monitoring sites. The tables below list the pollutants measured at each site.

Table 1. List of State and Local Air Monitoring Stations (Instruments)

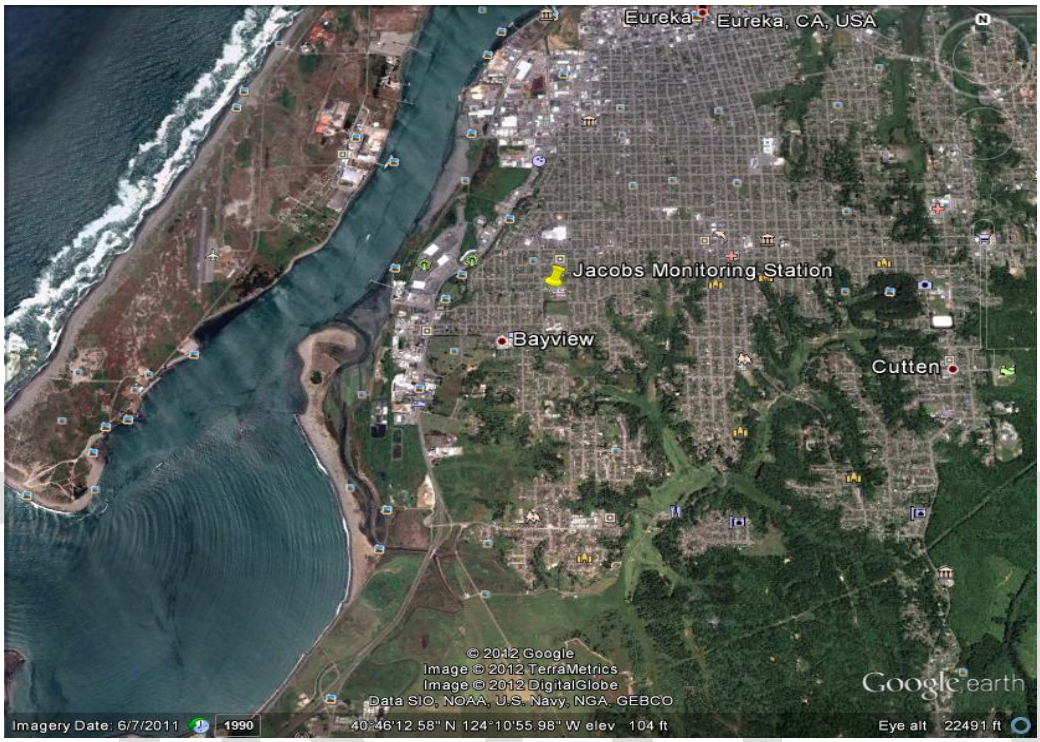
Site Name	AQS Site #	Pollutants Monitored
Jacobs	060231004	PM_{10}, $PM_{2.5}$, Ozone

Table 2. List of Other Monitors (Instruments)

Site Name	AQS Site #	Pollutants Monitored
Crescent City	060150007	$PM_{2.5}$
Weaverville	061050002	$PM_{2.5}$

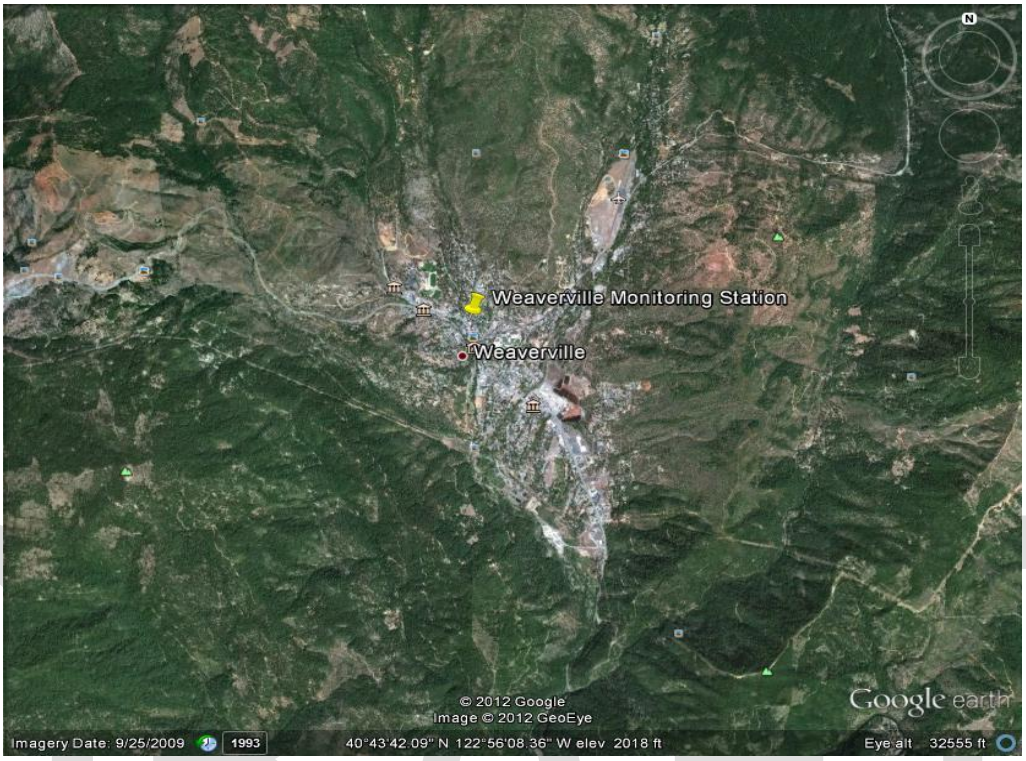
Monitoring Station Locations

Jacobs Monitoring Station (717 South Ave, Eureka, Humboldt County)



Crescent City Monitoring Station (994 G Street, Crescent City, Del Norte County)

Weaverville Monitoring Station (11 Court Street, Weaverville, Trinity County)



Minimum Monitoring Requirements

This network meets the minimum monitoring requirements for all criteria pollutants.

Ozone

Table 3. Minimum Monitoring Requirements for Ozone Sites

Micropolitan Statistical Area (MSA)	County	Pop. In Year 2020	4th highest 8-hour max. (ppb) (2023-2025)	2025 3-year design value (ppb)	SLAMS Ozone Sites Required	Active SLAMS Ozone Sites	Active Ozone SPM	Sites Needed
Eureka, Arcata, Fortuna	Humboldt	136,463	Jacobs 0.047	Jacobs 0.047	0	1	0	0
Crescent City	Del Norte	27,743	-	-	0	0	0	0
none	Trinity	16,112	-	-	0	0	0	0

The NCUAQMD is not required to have Ozone monitors by either a State Implementation Plan (SIP) or Criteria Pollutant Maintenance Plan. The NCUAQMD monitors Ozone as an estimation of population exposure levels.

$PM_{2.5}$

Table 4. Minimum Monitoring Requirements for SLAMS $PM_{2.5}$. Sites

Micropolitan Statistical Area	County	Pop. In Year 2020	Annual Design Value ($\mu g/m^3$) (2023-2025)	Daily Design Value ($\mu g/m^3$) (2023-2025)	FRM Sites Required	SLAMS Sites Active	SPM Sites Active	Sites Needed
Eureka, Arcata, Fortuna	Humboldt	136,463	Jacobs 6.8	Jacobs 17	0	1	0	0
Crescent City	Del Norte	27,743	-	-	0	0	1	0
none	Trinity	16,112	-	-	0	0	1	0

Table 5. Minimum Monitoring Requirements for Continuous $PM_{2.5}$ Sites

Micropolitan Statistical Area	County	Pop. In Year 2020	SLAMS FEM Sites required	SLAMS Sites Active	SPM Sites Active
Eureka, Arcata, Fortuna	Humboldt	136,463	0	0	0
Crescent City	Del Norte	27,743	0	0	1
none	Trinity	16,112	0	0	1

Table 6. Collocation of continuous $PM_{2.5}$ monitors

Method Code	# Primary Monitors	POC designations	Required NCUAQMD operated collocated monitors	Active NCUAQMD operated collocated FRM monitors	Active Collocated FEM Monitors
143	1	1,2	0	1	0

The NCUAQMD is not required to have $PM_{2.5}$ monitors as they are not required by either a State Implementation Plan (SIP) nor a Criteria Pollutant Maintenance Plan. Thus, it is not required to identify the maximum concentration $PM_{2.5}$ site. Collocation of instrumentation is the responsibility of the CARB Primary Quality Assurance Organization (PQAO). The NCUAQMD monitors $PM_{2.5}$ to estimate population exposure and prioritizes providing AQI information to the EPA AirNow website (EPA AirNow Fire & Smoke Map) during wildfire events.

PM_{10}

Table 7. Minimum Monitoring Requirements for PM10 Sites

Micropolitan Statistical Area	County	Population in Year 2020	Max Concentration (2023-2025) ($\mu g/m^3$)	SLAMS Sites Required	SLAMS Sites Active	SPM Sites Active	Sites Needed
Eureka, Arcata, Fortuna	Humboldt	136,463	Jacobs 76	1	1	0	0
Crescent City	Del Norte	27,743	-	0	0	0	0
none	Trinity	16,112	-	0	0	0	0

The NCUAQMD is classified as Nonattainment for PM_{10} for the California State 24-hour PM_{10} standard under the AAQS for Humboldt County. PM_{10} is monitored continuously at Jacobs Station in Eureka. This frequency meets the requirements of 40 CFR 58.12. Jacobs is the only, and thus the maximum, PM_{10} site in the District. The NCUAQMD is not required to have additional PM_{10} monitors as they are not required by either a SIP or a Maintenance Plan.

NO_2

Table 8. Minimum Monitoring Requirements for NO_2 Monitors

Micropolitan Statistical Area	County	Population in Year 2020	Annual Design Value (ppb)	SLAMS Monitors Required	Active SLAMS Monitors	Active SPM Monitors	Monitors Needed
Eureka-Arcata, Fortuna	Humboldt	136,463	-	0	0	0	0
Crescent City	Del Norte	27,743	-	0	0	0	0
none	Trinity	16,112	-	0	0	0	0

The NCUAQMD is not required to monitor Nitrogen Dioxide (NO_2). Monitors are not required by either a SIP or Maintenance Plan.

SO_2

Table 9. Minimum Monitoring Requirements for SO_2 Monitors

Micro-politan Statistical Area	County	Pop. in Year 2020	Annual Design Value (ppb)	Max 24 hour (ppb)	Max 1 hour (ppb)	SLAMS Monitors Required	Active SLAMS Monitors	Active SPM Monitors	Monitors Needed
Eureka, Arcata, Fortuna	Humboldt	136,463	-	-	-	0	0	0	0
Crescent City	Del Norte	27,743	-	-	-	0	0	0	0
none	Trinity	16,112	-	-	-	0	0	0	0

The NCUAQMD is not required to monitor Sulfur Dioxide (SO2). SO2 monitors are not required by either a SIP or Maintenance Plan.

CO

Table 10. Minimum Monitoring Requirements for CO Monitors

Micro-politan Statistical Area	County	Pop. in Year 2020	8-hour Design Value (ppm)	1 hour. Design Value (ppm)	SLAMS Monitors Required	Col-located Monitors Required	Active SLAMS Monitors	Active SPM Monitors	Monitors Needed
Eureka, Arcata, Fortuna	Humboldt	136,463	-	-	0	0	0	0	0
Crescent City	Del Norte	27,743	-	-	0	0	0	0	0
none	Trinity	16,112	-	-	0	0	0	0	0

The NCUAQMD is not required to monitor Carbon Monoxide (CO). CO monitors are not required by either a SIP or Maintenance Plan.

Lead (Pb)

Table 11. Minimum Monitoring Requirements for Pb

Micropolitan Statistical Area	County	Pop. In Year 2020	Annual Design Value	Monitors Required	Active Monitors	Monitors Needed
Eureka, Arcata, Fortuna	Humboldt	136,463	-	0	0	0
Crescent City	Del Norte	27,743	-	0	0	0
none	Trinity	16,112	-	0	0	0

The NCUAQMD is not required to monitor Lead (Pb). Lead monitors are not required by either a SIP or Maintenance Plan.

Quality Control

The NCUAQMD is a member of the CARB Primary Quality Assurance Organization (PQAO). All ambient air monitoring meets CARB Quality Control and Quality Assurance requirements. Audit records and site information for the NCUAQMD can be found on the CARB website or obtained by contacting the NCUAQMD.

The NCUAQMD's $PM_{2.5}$ FRM filters are analyzed by the Bay Area Air Quality Management District (BAAQMD). The BAAQMD Laboratory meets federal requirements for Quality Control and Quality Assurance. Information regarding the laboratory can be found on the BAAQMD website.

Automated zero, precision, and span audits of the NCUAQMD ozone analyzer were carried out with a CARB certified Thermo 146i Multigas Calibrator. Precision and zero audits were carried out every third day, and spans were run once per week. Onsite comparisons of the NCUAQMD zero air generator were performed by the CARB on a biannual basis. The Zero Air audit was performed in accordance with the CARB Zero Air Source Audit Program. Detailed information is available on the Air Resources Board website.

The ozone instrument was calibrated biannually by CARB calibration staff with an independent standard. CARB audit staff perform audits yearly with a separate independent instrument. In April of 2026 the NCUAQMD transitioned to self-calibration of the ozone instrument using a CARB certified Thermo 49iQPS. A request has been made for CARB to continue calibrating Jacobs Station on a yearly basis from this point forward, to minimize the potential data loss from operating without an independent calibration instrument. Without this continued support, over a year of data could be lost anytime a CARB audit fails. Information regarding CARB calibration, audit and certification methods is available on the California Air Resources Board website.

Particulate instruments are flow audited at least monthly by NCUAQMD staff, and independently audited by CARB staff every six months. Particulate instruments undergo flow calibrations yearly. Information regarding CARB methods are available on the California Air Resources Board website.

Collocation

The NCUAQMD is a member of the CARB Primary Quality Assurance Organization (PQAO) and relies on the PQAO network to satisfy all collocation requirements (CFR 58 App A 3.2.5). The NCUAQMD operated a $PM_{2.5}$ FRM Thermo 2000i to Thermo 2000i collocation in 2025. This collocation supports the CARB PQAO Network.

Recent or Proposed Modifications to Network

Humboldt County PM_{10} is classified as non-attainment for the California State Standard. All other pollutants within the NCUAQMD are classified as being in attainment, unclassified, or unclassified/attainment. The NCUAQMD's recent decision to remove the NO2, CO, and SO2 criteria gas monitoring in 2024 was based on 40CFR Part 58.14 (1) as the trend for the data collected for almost twenty years has always been extremely low in comparison to the NAAQS, where data collected indicated a less than a 10% chance that these gases would exceed 80% of the NAAQS over the next three (3) years.

Table 12. Attainment Status

Ambient Air Quality Standards State-Federal

	Humboldt	Del Norte	Trinity
Ozone	A-U/A	A-U/A	A-U/A
PM_{10}	N-U	A-U	A-U
$PM_{2.5}$	A-U/A	A-U/A	A-U/A

A attainment
N non-attainment
U unclassfied
U/A unclassified/attainment

The NCUAQMD received funding from the Inflation Reduction Act Section 60105, to establish a Particulate Matter only station at the NCUAQMD's office in Eureka. This station will use real-time instruments to monitor for PM_{10} and $PM_{2.5}$, thus providing faster dissemination of public health information to the people of Eureka. This station is anticipated to be established by 2030.

Humboldt County topography is distinctive, with mountain ranges encircling a Bay which creates an air basin unique to the Humboldt Bay area. The Humboldt Bay Air Basin has meteorological conditions which are dissimilar to the rest of Humboldt County. The NCUAQMD is investigating PM impacts within the geographical boundaries of this area. When areas within an air basin or county display distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB will designate a smaller area for attainment decisions. For example, in 2013, two Counties (Del Norte and Trinity) within the North Coast Air Basin were identified as separate areas for PM_{10} attainment designation purposes. Further, in 2024, a small area inside of Mendocino County AQMD (Willits area) was split off for a $PM_{2.5}$ attainment designation. Because the Humboldt Bay Area has distinct meteorological and pollution sources from Humboldt County at large, the NCUAQMD looks forward to working with CARB to delineate the Humboldt Bay Air Basin as a unique attainment designation area.

Southern Humboldt could benefit from a $PM_{2.5}$ monitor as PM typically affects the region because of the prevalent use of woodstoves, prescribed fire activity, and frequent wildfire events. A continuous PM2.5 device is also necessary to provide AQI information for this affected region during wildfire events, and for the EPA AirNow website (e.g. the Fire & Smoke Map). The NCUAQMD continues to seek funding for a particulate-only monitoring station (similar to the Crescent City and Weaverville stations) for this area in the southern part of the jurisdiction.

In April of 2025, CARB enacted a change to the function of the PQAO. Previously, a major mission of the CARB PQAO included, "common calibration facilities and standards". In the memo, "*U.S. EPA 2023 Ozone Technical Assistance Document Implementation for CARB's Air Quality Surveillance Branch and Changes to District Calibration Services*" dated February 28, 2025, CARB suggested that common calibration instruments need no longer be used, but instead, each District should calibrate their own instruments with their own equipment. This is a foundational change to the purpose of a PQAO and transfers a substantial monetary cost from CARB to local air districts. The NCUAQMD requests EPA guidance on the technical and financial ramifications of this change.

Review of Changes to $PM_{2.5}$ Monitoring Network

Should a required $PM_{2.5}$ monitor need to be moved, the annual network plan inspection and comment processes would be used to review that change. Any change to the NCUAQMD's $PM_{2.5}$ network is reviewed by EPA Region 9.

The NCUAQMD recently received funding from the Inflation Reduction Act Section 60105, to establish a Particulate Matter only station at the NCUAQMD's office in Eureka. This station will use real-time instruments to monitor for PM_{10} and $PM_{2.5}$ to provide faster dissemination of public health information to the people of Eureka.

Data Submission Requirements

Data and Precision/Accuracy reports are to be submitted to CARB no later than 60 days after the quarter of record. The CARB uploads NCUAQMD data to the National Air Quality System (AQS) no later than 90 days after the quarter of record. CARB typically submits the annual data certification no later than May 1st of each year.

Data Availability

NCUAQMD's air quality data is available in the AQS database and the Air Quality and Meteorological Information System (AQMIS) database. It can also be obtained directly from the NCUAQMD. The NCUAQMD should be contacted directly to request data if access through the public databases is problematic.

Detailed Site Information

Site Name: Jacobs

The Jacobs site was established in December of 2006 and is located on the west side of the City of Eureka.

Jacobs	
AQS ID	060231004
Latitude / Longitude (degrees)	40.776608 N 124.179494 W
Location	Alice Birney Elementary School
Address	717 South Ave, Eureka
County	Humboldt
Dist. to road (meters)	50
Traffic count (AADT)	2,299 (June 2023, Utah Street between Gibson Ave. and Highland Ave.)
Representative statistical area name	Eureka, Arcata, Fortuna
Groundcover	grass
PEP audit?	Information maintained by EPA
NPAP audit?	Information maintained by EPA
PM10 Flow audits	Performed every 2 weeks by NCUAQMD, Performed biannually by CARB
PM2.5 Flow audits	Performed monthly by NCUAQMD, Performed biannually by CARB
Gaseous audits	Following the requirement in QA Volume II, performance audits are performed annually by CARB
Date of 2025 CARB annual performance evaluation for ozone instruments	May 6, 2025
Dates of two semi-annual PM10 flow CARB audits occurring in 2025	May 6,2025 November 17, 2025
Dates of two semi-annual CARB PM2.5 flow audits, occurring in 2025	May 6, 2025 November 17, 2025
Gaseous One-point control checks	Performed a minimum of once 14 days
Gaseous instrument calibrations	Performed bi-annually
Representative Area	Humboldt County Micropolitan Statistical Area, Eureka-Arcata-Fortuna, suburban

Pollutant	O3	PM2.5	PM2.5	PM10
Primary / QA Collocated/Other	N/A	Primary	Collocated	Primary
Parameter Code	44201	88101	88101	81102
POC	1	1	2	1
Basic Monitoring Objective	NAAQS comparison	NAAQS comparison	Research Support	NAAQS comparison
Site Type	Population exposure	Population exposure	Population Exposure	Population exposure
Monitor Type	SPM	SLAMS	SLAMS	SLAMS
Network affiliations	N/A	N/A	N/A	N/A
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Sampling method	Photometric EQOA-0880-047	Low Volume RFPS-0498-143	Low-Volume RFPS-0498-143	EQPM-0798-122
Instrument manufacturer and model	Thermo 49i	Thermo 2000i	Thermo 2000i	Met One BAM-1020
FRM/FEM/ ARM	FEM	FRM	FRM	FEM
Collecting Agency	NCUAQMD	NCUAQMD	NCUAQMD	NCUAQMD
Analytical Lab	N/A	BAAQMD	BAAQMD	N/A
Reporting Agency	CARB	CARB	CARB	CARB
Start date	Dec 15, 2006	Dec 25, 2006	Dec 2, 2023	Jan 1, 2014
Required Sampling Frequency	N/A	1:6	1:12	1:6
Current Sampling Frequency	continuous	1:3	1:12	continuous
Sampling season	Year round	Year round	Year Round	Year round
Probe height (meters)	4.5	4.3	4.3	5
Distance of low-volume PM instrument from other PM instruments are >1 meter?	N/A	yes	yes	N/A
Distance from supporting structure (meters)	2	1.8	1.8	2.4

Pollutant	O3	PM2.5	PM2.5	PM10
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Height of obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	29	28	28	31
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees)	360	360	360	360
Probe material	Teflon	N/A	N/A	N/A
Residence time (seconds)	8.3	N/A	N/A	N/A
Operation meets requirements of appendices B, C, D and E where applicable	yes	yes	yes	yes
Will there be changes within the next 18 months?	yes	no	no	no
With regard only to CFR 58.30, is data suitable for comparison against the annual $PM_{2.5}$ NAAQS?	N/A	yes	yes	N/A
Does instrument meet EPA Min. Data Assess. Requirements for $PM_{2.5}$ instruments (CFR 40, part 58, Appendix A) or an alternative?	N/A	yes	yes	N/A

Site Name: Weaverville

The Weaverville site was established in 1995. It is located in downtown Weaverville near HWY 299.

Weaverville Site	
AQS ID	061050002
Latitude / Longitude (degrees)	40.734767 N 122.941172 W
Location	Trinity County Courthouse
Address	11 Court Street, Weaverville
County	Trinity
Dist. to road	28 meters to highway 299
Traffic count	9,600 AADT for HWY 299 at Washington Street (2022)
Groundcover	Paved
PEP audit	Information maintained by EPA
NPAP audit	Information maintained by EPA
$PM_{2.5}$ Flow audits	Performed biweekly by NCUAQMD, Performed biannually by CARB
Date of annual performance evaluation (2025 CARB flow audit)	May 5,2025
2025 semi-annual $PM_{2.5}$ flow audits by CARB	May 5, 2025 Nov 17,2025
Representative Area	Rural, no MSA in Trinity County
Pollutant	**$PM_{2.5}$**
Primary/QA Collocated/ Other	Primary
Parameter Code	88502
POC	1
Basic monitor objective	Air Pollution Data
Site Type	Population exposure
Monitor Type	Other
Spatial scale	Neighborhood
Network Affiliation	N/A
Sampling method	EQPM-0798-122
Instrument manufacturer and model	Met One BAM-1020
FRM/FEM/ARM	Non-FEM
Collecting Agency	NCUAQMD
Analytical Lab	N/A
Reporting Agency	CARB
Start date	March 2015

Pollutant	$PM_{2.5}$
Required Sampling Frequency	N/A
Current Sampling Frequency	continuous
Sampling season	Year round
Probe height (meters)	8
Distance from supporting structure (meters)	2.4
Distance from obstructions on roof (meters)	N/A
Distance from obstructions not on roof	N/A
Distance from trees (meters)	15
Distance to furnace or incinerator flue	N/A
Distance between collocated monitors	N/A
Unrestricted airflow (degrees)	360
Probe material	N/A
Residence time	N/A
Operation meets requirements of appendices B, C, D, and E, where applicable	yes
Will there be changes within the next 18 months?	no
I With regard only to CFR 58.30. is data suitable for comparison against the annual $PM_{2.5}$ NAAQS?	no
Does instrument meet EPA Minimum Data Assessment Requirements for $PM_{2.5}$ instruments (CFR 40, part 58, Appendix A) or an approved alternative?	yes

Site Name: Crescent City

The Crescent City site was established in 1998. It is currently located at Crescent Elk Middle School.

Crescent City	
AQS ID	060150007
Latitude / Longitude (degrees)	41.755925 N 124.203614 W
Location	Crescent Elk Middle School
Address	994 G Street
County	Del Norte
Dist. to road	64 meters to 9th Street
Traffic count	9,500 AADT ON L STREET AT 9TH STREET (2022)
Groundcover	Paved/grass
PEP audit	Information maintained by EPA
NPAP audit	Information maintained by EPA
Flow audit	bimonthly by NCUAQMD
Date of 2025 annual performance evaluation (CARB audit)	none
Date of semi-annual flow audit occurring in 2025 (CARB flow audit)	none
Representative Area	Del Norte County, Micropolitan Statistical Area, Crescent City Urban
Pollutant	**$PM_{2.5}$**
Primary/QA Collocated/Other	Other
Parameter Code	88502
POC	1
Basic Monitoring Objectives	Air Pollution Data
Site Type	Population exposure
Monitor Type	Other
Network Affiliation	N/A
Spatial scale	Neighborhood
Sampling method	EQPM-0798-122
Instrument manufacturer and model	Met One BAM-1020

Pollutant	$PM_{2.5}$
FRM/FEM/ARM	Non-FEM
Collecting Agency	NCUAQMD
Analytical Lab	N/A
Reporting Agency	CARB
Start date	May 2019
Current Sampling Frequency	Continuous
Required Sampling Frequency	N/A
Sampling season	Year round
Probe height	7
Distance from supporting structure	2
Distance from obstructions on roof	N/A
Distance from obstructions not on roof	N/A
Height of obstruction not on roof (meters)	N/A
Distance from trees	93 meters
Distance to furnace or incinerator flue	49 meters
Height of stack	4 meters
Fuel burned	Diesel, intermittent, as determined by building needs
Distance between collocated monitors	N/A
Unrestricted airflow(degrees)	360
Probe material	N/A
Residence time	N/A
Operation meets requirements of appendices B, C, D, and E, where applicable	yes
Will there be changes within the next 18 months?	no
With regard only to CFR 58.30. is data suitable for comparison against the annual $PM_{2.5}$ NAAQS?	no
Does instrument meet EPA Minimum Data Assessment Requirements for $PM_{2.5}$ instruments (CFR 40, part 58, Appendix A) or an approved alternative?	no