

Episode 56QF2 February 4, 2024. County Snapshot (Humboldt County, CA, partial). PM2.5 % and level in micrograms per cubic meter over 3 days using PurpleAir Data.

County Snapshot of Humboldt County, California. The total of 14 municipality monitors in Humboldt County, (only a partial sampling of PurpleAir monitors in Humboldt County) 1)from Arcata to Eureka, 2)from Trinidad and 3)from Big Lagoon. All are on or near the Pacific Ocean Coast. PurpleAir PM2.5 monitor readings are averages over 3 days of particulate matter of 2.5 micrometer size, the perfect size to infiltrate the human lung, setting off a cascade of human health problems and early deaths. Wood burning emissions are 90% PM2.5, and wood burning emits 2.8 times the PM2.5 and C O 2 as the fossil fuel coal burning. Wood burning emits 450 times the PM2.5 as the fossil fuel natural gas burning. Many residents buy PurpleAir PM2.5 monitors to prove that as near neighbors of indoor residential wood burners, the wood burning emissions enter the near neighbors yards and sicken them, at levels above Environmental Protection Agency (EPA) National Ambient Air Quality Standards (NAAQS) which in 2023 were 12 micrograms per cubic meter annually and 35 micrograms per cubic meter in a 24 hour period. The highest average readings for Humboldt County, California PurpleAir monitors are 20 at Fieldbrook. The lowest average readings is 4 micrograms per cubic meter at the University Library in Humboldt County. An Excel sheet of all 10 minute readings in a 72 hour period can be downloaded from <https://rawsepresidents.com> at the County Snapshot tab. All 3 days of 10 minute individual PurpleAir PM2.5 readings for all 22 monitors are hidden on the Excel sheet but can be unhidden and viewed.

DateTime	Big Lagoon Outside A	Rainbow Lane A	Ewing A	Westhaven Dr N, Trinidad A	NC#102_McKinleyville A
Average PM2.5	11	8	16	7	6
%>= 12 ug/m3	32%	20%	55%	15%	13%
%>= 25 ug/m3	14%	8%	16%	8%	5%
%>= 35 ug/m3	4%	4%	5%	4%	1%
%>= 45 ug/m3	1%	2%	3%	2%	1%
%>= 55 ug/m3	0%	2%	0%	0%	0%
%>= 65 ug/m3	0%	1%	0%	0%	0%
%>= 75 ug/m3	0%	0%	0%	0%	0%
	Big Lagoon Outside A CA, Humboldt County	Rainbow Lane A CA, Humboldt County	Ewing A CA, Humboldt County	Westhaven Dr N, Trinidad A CA, Humboldt County	NC#102_McKinleyville A CA, Humboldt County

NC#159\_Fieldbrook\_Fieldbrook

DateTime	Rock Pit Rd A	ES A	RydersAir A	AzaliaHills A	Kokatat A
Average PM2.5	20	20	7	7	5
%>= 12 ug/m3	49%	47%	15%	13%	9%
%>= 25 ug/m3	32%	36%	9%	6%	0%
%>= 35 ug/m3	22%	21%	5%	3%	0%
%>= 45 ug/m3	14%	16%	3%	1%	0%
%>= 55 ug/m3	7%	7%	1%	1%	0%
%>= 65 ug/m3	3%	2%	0%	0%	0%
%>= 75 ug/m3	1%	0%	0%	0%	0%

NC#159\_Fieldbrook\_Fieldbrook

Rock Pit Rd A ES A RydersAir A AzaliaHills A Kokatat A  
 CA, Humboldt County CA, Humboldt County CA, Humboldt County CA, Humboldt County

DateTime	Terrace Avenue - Arcata CA (outdoor) A	585 California Ave A	University Library Outdoor A	Dragon House A
Average PM2.5	6	5	4	7
%>= 12 ug/m3	12%	8%	6%	18%
%>= 25 ug/m3	3%	3%	2%	6%
%>= 35 ug/m3	0%	0%	0%	1%
%>= 45 ug/m3	0%	0%	0%	0%
%>= 55 ug/m3	0%	0%	0%	0%
%>= 65 ug/m3	0%	0%	0%	0%
%>= 75 ug/m3	0%	0%	0%	0%

Terrace Avenue - Arcata CA (outdoor) A 585 California Ave A University Library Outdoor A Dragon House A  
 CA, Humboldt County CA, Humboldt County CA, Humboldt County CA, Humboldt County