

Episode 56QT2 February 13, 2024. County Snapshot (Humboldt County, CA, partial). PM2.5 % and level in micrograms per cubic meter over 3 days using PurpleAir Data.

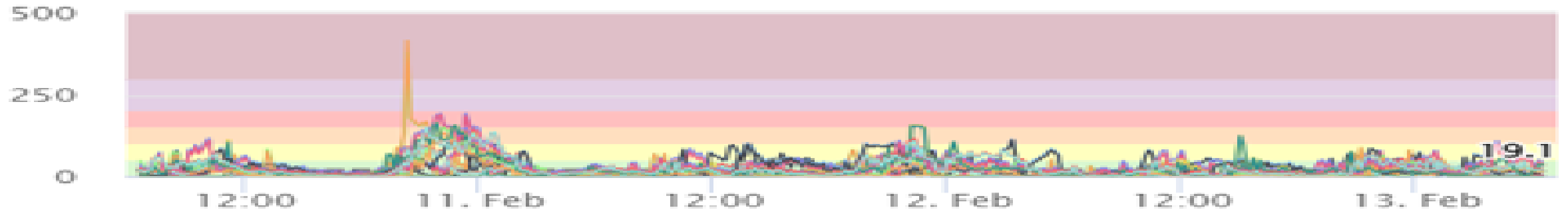
County Snapshot of **Humboldt County**, California. The total of **9** municipality monitors in **Humboldt County**, (**only a partial sampling of PurpleAir monitors in Humboldt County**) 1)from **Eureka**, 2)from **Trinidad** and 3)from **Big Lagoon**. All are on or near the **Pacific Ocean Coast**. 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 CO2 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 **19** at **Eureka HS**. The lowest average readings is **7** micrograms per cubic meter at **Westhaven**. 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 **9** monitors are hidden on the Excel sheet but can be unhidden and viewed.

Click & drag to zoom. Shift + click & drag to pan. [How to use the graph.](#)



US EPA PM2.5 AQI

10 Minute Average



- | | | |
|--------------------------|------------------------------|------------------------------|
| — Average | — Big Lagoon Outside A | — Big Lagoon Outside B |
| — Rainbow Lane A | — Rainbow Lane B | — Ewing A |
| — Ewing B | — Westhaven Dr N, Trinidad A | — Westhaven Dr N, Trinidad B |
| — NC#102_McKinleyville A | — NC#102_McKinleyville B | — RCM Outside A |
| — RCM Outside B | — NC#100_Eureka_NCUAQMD A | — NC#100_Eureka_NCUAQMD B |
| — Eureka HS outside A | — Eureka HS outside B | — Carson & S A |
| — Carson & S B | — Eagle outside A | — Eagle outside B |

Episode 56QT2 February 13, 2024. County Snapshot (Humboldt County, CA, partial). PM2.5 % and level in micrograms per cubic meter over 3 days using PurpleAir Data.

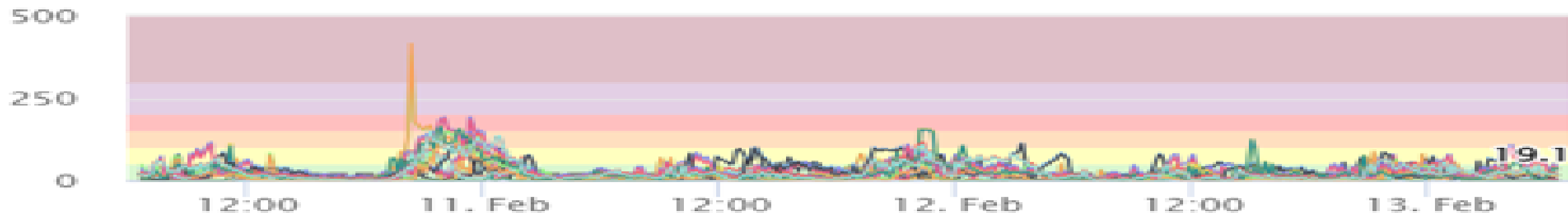
County Snapshot of **Humboldt County**, California. The total of **9** municipality monitors in **Humboldt County**, (only a partial sampling of PurpleAir monitors in Humboldt County) 1)from Eureka, 2)from Trinidad and 3)from Big Lagoon. All are on or near the Pacific Ocean Coast. PurpleAir PM2.5 monitor 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 CO2 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 **19** at **Eureka HS**. The lowest average readings is **7** micrograms per cubic meter at **Westhaven**. 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 **9** monitors are hidden on the Excel sheet but can be unhidden and viewed.

Click & drag to zoom. Shift + click & drag to pan. [How to use the graph.](#)



US EPA PM2.5 AQI

10 Minute Average



- | | | |
|--------------------------|------------------------------|------------------------------|
| — Average | — Big Lagoon Outside A | — Big Lagoon Outside B |
| — Rainbow Lane A | — Rainbow Lane B | — Ewing A |
| — Ewing B | — Westhaven Dr N, Trinidad A | — Westhaven Dr N, Trinidad B |
| — NC#102_McKinleyville A | — NC#102_McKinleyville B | — RCM Outside A |
| — RCM Outside B | — NC#100_Eureka_NCUAQMD A | — NC#100_Eureka_NCUAQMD B |
| — Eureka HS outside A | — Eureka HS outside B | — Carson & S A |
| — Carson & S B | — Eagle outside A | — Eagle outside B |

Date/Time	Big Lagoon Outside A	Rainbow Lane A	Ewing A	Westhaven Dr N, Trinidad A	NC#102_McKinleyville A
Average PM2.5	11	9	18	7	10
%>= 9 ug/m3	40%	23%	72%	19%	37%
%>= 15 ug/m3	25%	17%	48%	8%	18%
%>= 25 ug/m3	12%	10%	22%	4%	9%
%>= 35 ug/m3	3%	6%	8%	3%	4%
%>= 45 ug/m3	1%	3%	3%	2%	2%
%>= 55 ug/m3	0%	3%	1%	1%	1%
%>= 65 ug/m3	0%	2%	1%	1%	0%
%>= 75 ug/m3	0%	2%	1%	1%	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
# of monitor	1	2	3	4	5

Date/Time	RCM Outside A	NC#100_Eureka_NCUAQMD A	Eureka HS outside A	Carson & 5th S A
Average PM2.5	18	12	19	15
%>= 9 ug/m3	70%	45%	71%	57%
%>= 15 ug/m3	47%	25%	41%	31%
%>= 25 ug/m3	26%	10%	20%	16%
%>= 35 ug/m3	12%	5%	11%	8%
%>= 45 ug/m3	6%	3%	8%	5%
%>= 55 ug/m3	1%	2%	6%	4%
%>= 65 ug/m3	0%	1%	4%	2%
%>= 75 ug/m3	0%	0%	2%	1%
	RCM Outside A CA, Humboldt County	NC#100_Eureka_NCUAQMD A CA, Humboldt County	Eureka HS outside A CA, Humboldt County	Carson & 5th S A CA, Humboldt County
# of monitor	6	7	8	9