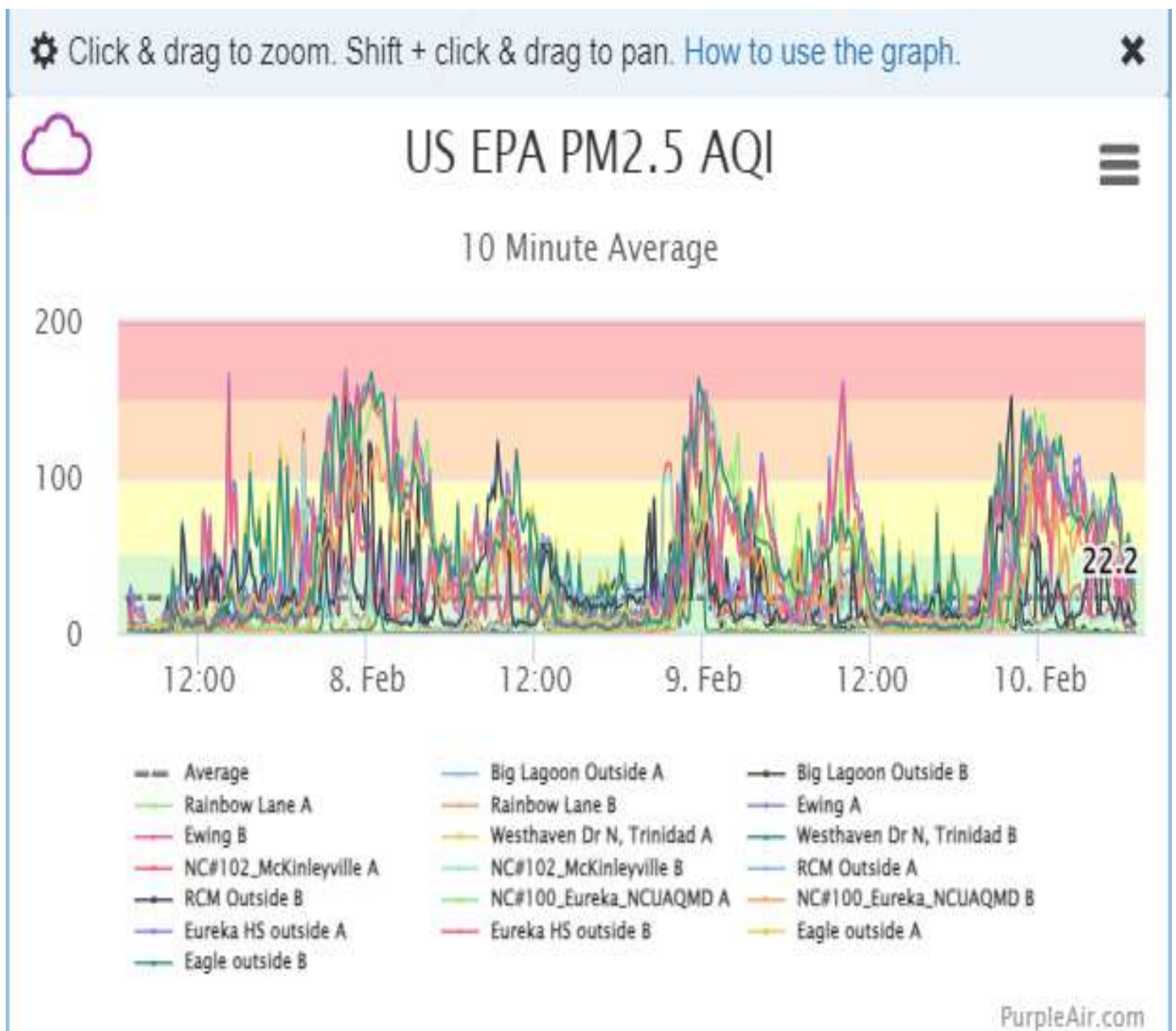


Episode 56Q P2 February 10, 2024. County Snapshot (Humboldt County, CA, partial). PM2.5 % and level in micrograms per cubic meter over 3 days using PurpleAir Data.

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 28 at both Eagle and Eureka HS. The lowest average readings is 8 micrograms per cubic meter at Rainbow Lane. 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.



DateTime	Big Lagoon Outside A	Rainbow Lane A	Ewing A	Westhaven Dr N, Trinidad A	NC#102_McKinleyville A
Average PM2.5	13	8	19	9	9
%>= 9 ug/m3	50%	21%	74%	27%	26%
%>= 15 ug/m3	29%	17%	47%	19%	15%
%>= 25 ug/m3	16%	13%	26%	10%	7%
%>= 35 ug/m3	7%	9%	14%	5%	4%
%>= 45 ug/m3	3%	3%	8%	2%	1%
%>= 55 ug/m3	1%	1%	2%	1%	1%
%>= 65 ug/m3	1%	0%	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

1 2 3 4 5

DateTime	NC#100_Eureka_NCUAQMD RCM Outside A	A	Eureka HS outside A	Eagle outside A
Average PM2.5	16		23	28
%>= 9 ug/m3	70%		54%	71%
%>= 15 ug/m3	36%		51%	58%
%>= 25 ug/m3	17%		40%	47%
%>= 35 ug/m3	7%		32%	35%
%>= 45 ug/m3	4%		20%	23%
%>= 55 ug/m3	2%		14%	14%
%>= 65 ug/m3	1%		7%	7%
%>= 75 ug/m3	0%		2%	3%

NC#100_Eureka_NCUAQMD RCM Outside A, CA, Humboldt County
 A, CA Humboldt County
 Eureka HS outside A, CA Humboldt County
 Eagle outside A, CA Humboldt County

6 7 8 9