

Episode #6900 - March 17, 2024 - Humboldt County, California (partial Snapshot). PM2.5 and level in micrograms per-cubic-meter over 3-days using PurpleAir Data. 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-neighborhoods and stick to them, at levels above Environmental Protection Agency (EPA) National Ambient Air Quality Standards (NAAQS) which in 2024 are 9 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 is 35 at Willow Creek. The lowest average readings is 5 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> as the County Snapshot tab. All 3-days of 30-minute individual PurpleAir PM2.5 readings for all monitors are hidden on the Excel sheet but can be unhidden and viewed.

Date Time	Big Lagoon - Outside-Air	Rainbow Lane - Air	NC#102_McKinleyville - Air	NC#159_Fieldbrook_Fieldbrook ES - Air	RCM - Outside-Air	Eagle - outside - Air
Average PM2.5	15	5	10	25	35	24
% 9-µg/m3	61%	14%	39%	65%	82%	87%
% 15-µg/m3	40%	9%	16%	58%	63%	63%
% 25-µg/m3	21%	6%	8%	51%	42%	48%
% 35-µg/m3	7%	3%	2%	34%	30%	16%
% 45-µg/m3	2%	0%	0%	19%	19%	7%
% 55-µg/m3	0%	0%	0%	4%	6%	3%
% 65-µg/m3	0%	0%	0%	1%	1%	1%
# of monitors	1	2	3	4	5	6

Date Time	NC#128_Loleta_Wiyot Tribe - Air	Ferndale, CA - Air	SAFE-OrleansElementary - Outdoor - Air	Hoopa HS - Air	Willow-Creek, California - Air	Jack Shaw Road - Air
Average PM2.5	15	12	12	19	35	8
% 9-µg/m3	62%	47%	39%	57%	64%	16%
% 15-µg/m3	33%	19%	24%	45%	57%	13%
% 25-µg/m3	16%	9%	14%	33%	51%	8%
% 35-µg/m3	8%	5%	8%	19%	46%	5%
% 45-µg/m3	3%	2%	3%	11%	37%	3%
% 55-µg/m3	1%	1%	1%	5%	30%	3%
% 65-µg/m3	0%	1%	1%	1%	24%	2%
% 75-µg/m3	0%	0%	0%	0%	17%	2%
# of monitors	7	8	9	10	11	12

Click & drag to zoom. Shift + click & drag to pan. How to use the graph.

