Using Outdoor Air Quality Sensors

bulkley valley - lakes district airshed management society

1 Click the Link

2 Check the filters

This is a measure of density for a particle that is smaller than this (.)
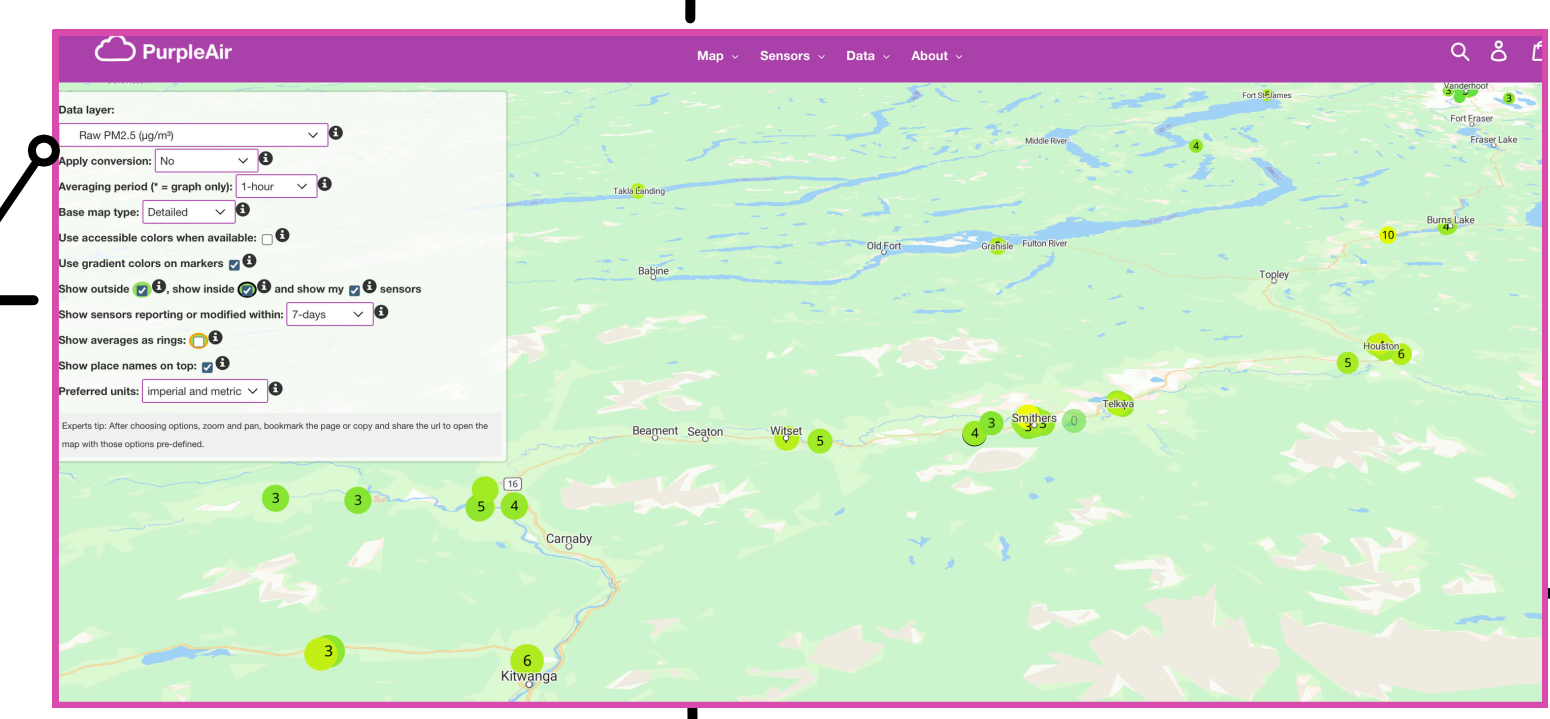
In the BVLD Airshed, PM2.5 is the particle size that is most harmful, PM10 includes 2.5, its bigger like road dust

Start with these, then go with 10 minute or 24 hour averages to get real time data in your neighbourhood. Temperature is cool too.

3 Zoom in and out

Establish where you are and where you are going. What do you see?

On October 13th, 2024, 2:15:16 PM PDT
1-day Average
Raw PM2.5
(μg/m³) is now **18**

12-35μg/m³: Air quality is acceptable. However, there may be a risk for some people with 24 hours of exposure, particularly those who are unusually sensitive to air pollution.

Now	10 Min	30 Min	1 hr	6 hr	1 Day	Week
1	4	6	11	18	18	12

Sensor: Cleanairplan.ca-blpl
↘ A B √100% PA-II 7.02
Get This Widget

Become a community scientist.
Get your own outdoor sensor just like this one.

18 Burns Lake

PurpleAir   Map   Sensors   Data   About
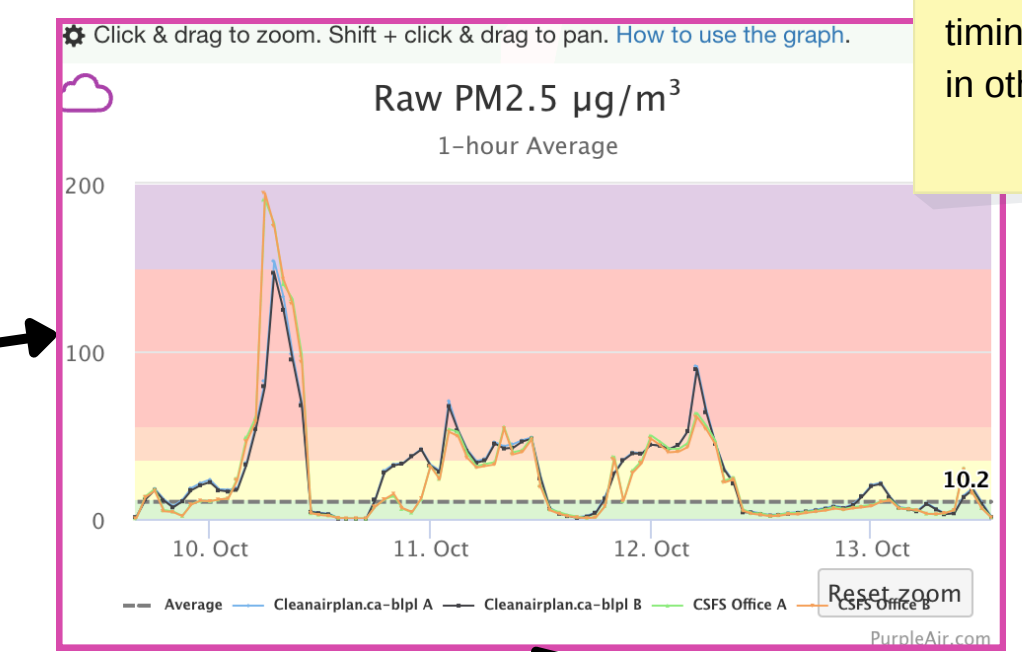
Grey dots are sensors offline; contact us.

The Spot is a sensor, the 18 is the reading, there is the name of the sensor and a quality check - are sensors in the sensor agreed?

High PM
a measure of 50 would mean many particles in our air

Low PM
a measure of 0 would mean none

What is the trend?

Click & drag to zoom. Shift + click & drag to pan. How to use the graph.
Raw PM2.5 μg/m³
1-hour Average

Use your mouse to zoom in and out and check out timing. You can also add in other sensors.

Early mornings terrible, very high while you sleep, midday is the best time of day, what is going on at night?

How did you sleep? Do you have a cold or cough, itchy/watery eyes? Other symptoms of poor air quality?

4 Key Messages

What are the levels?
How do you feel?
What do you see?
What is the weather and wind direction?

React.

Take Action: close window, turn on the indoor air filter, don't light a pile or even a wood fire if you can avoid it. Go somewhere else.

What are the health notices or advisories?

There is a message on that Spot, BC Env't also puts out messaging as does the BC CDC. Take heed, what resonates with you and how you feel?

http://www.bccdc.ca/health-info/prevention-public-health/wildfire-smoke

The colour of the Spot is also an indicator of risk of negative health effects.

5 Share the link, try another

Using these sensors, UNBC aqmap: this map shows wildfires and wind direction
windy.com: this map has air quality modelling

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