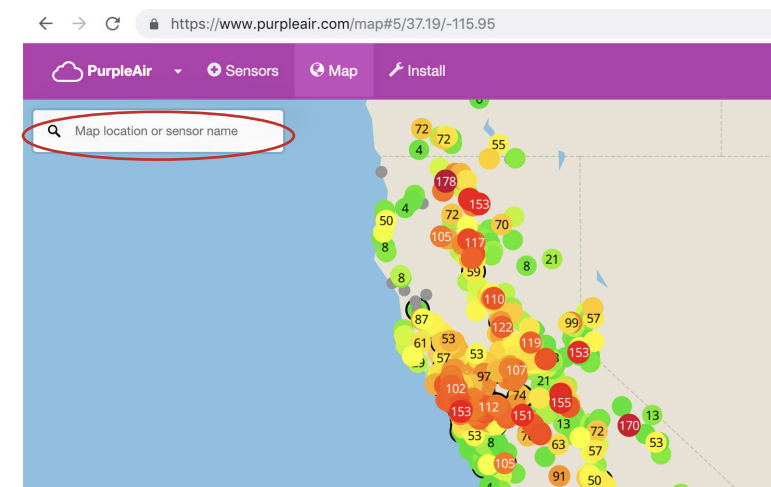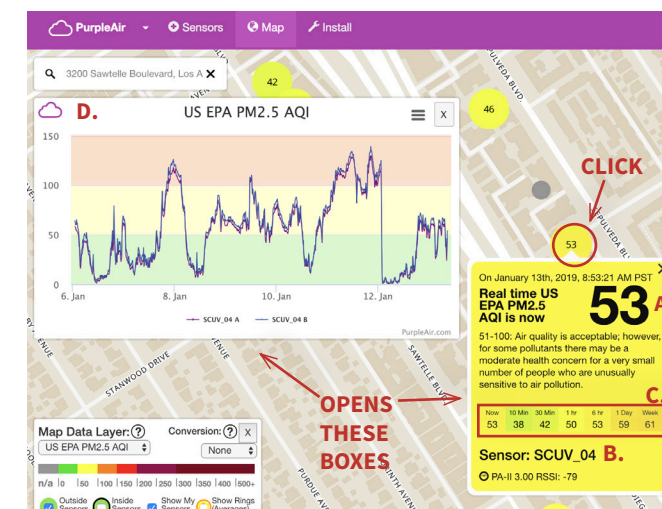# supplement

Interested in viewing the data?

To view the data from the air sensors located throughout your apartment complex, take the following steps:
1. Go to www.purpleair.com/map
2. Type in your address in the search bar in the upper left corner of the map as circled below:

3. Click on the dot for the sensor you are interested in viewing (dots without a black outline indicatee outdoor sensors, dots with a black outline are indoor sensors):

4. Description of information in boxes:
      A. Near the top of the yellow box, you will see a number (in this case "51") that indicates the real-time AQI. The AQI is measurement based on the EPA's national outdoor air quality standards. The AQI will give you information about how clean the air is and whether certain susceptible people (e.g. people with asthma, cardiovascular disease, or other respiratory issues) should avoid being outside at a given moment.
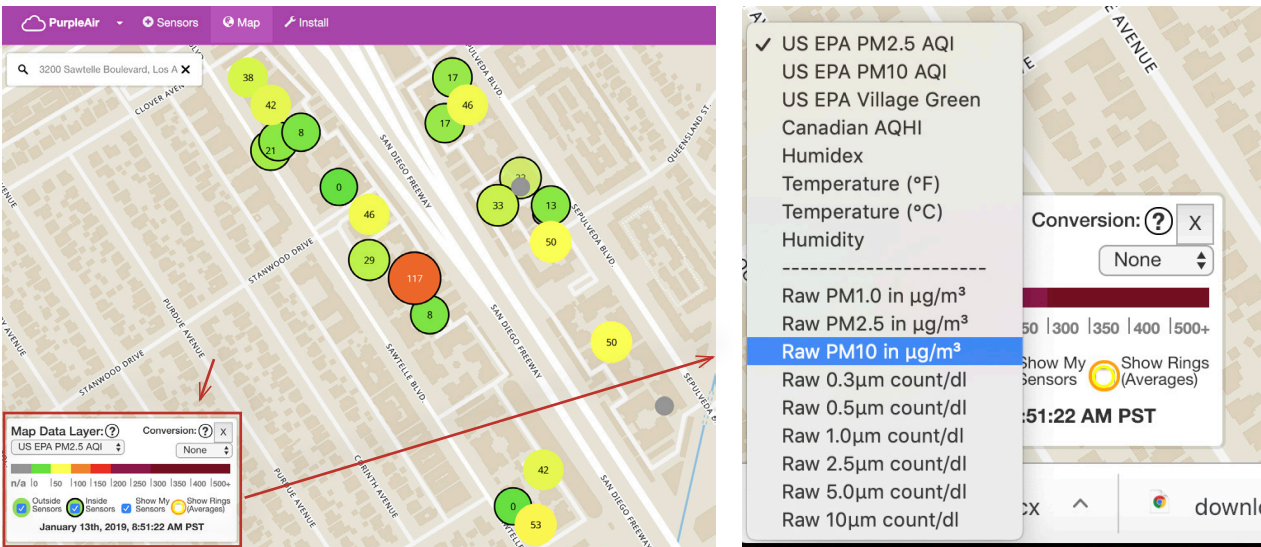
Data viewing

Continued from pg. 15:

    B. SCUV_04 is the name/label of the sensor
    C. The numbers labeled above as "C" show the real time, 10-minute, 30-minute, 1-hour, 6-hour, 24-hour, and 1-week average $PM_{2.5}$ AQIs
    D. The graph shows one week of the $PM_{2.5}$ AQIs as a time series

6. In the box at the bottom-left of the page, you can switch the map setting to view PM_{10}, $PM_{1.0}$, temperature, humidity, and more. You can also set your map to show only outdoor or only indoor sensors:

If you would like to download the sensor data to see longer-term information, you can do the following:

1. Go to https://www.purpleair.com/sensorlist.
2. At the top, choose your date range for the data you would like.
3. Then find the sensor you want information from (use ctrl F or command F on a mac to search) and select the sensor by checking the box next to it.
    a. Sensors are titled "SCUV_##". The exact number depends on which sensor you are interested in.
    b. Note: You will see an "a" and "b" option for your sensor. This is because each sensor contains two identical laser particle counters, each reporting similar, but potentially slightly different values. For more information about the sensor specifications visit https://www.purpleair.com/sensors
4. Click Download Selected at the top right of the page. Download will start CSV file download.

Selecting an air purifier

As our preliminary results have shown, using an air purifier in your home can drastically help to improve the indoor air quality. In the infographic below, we provide low, moderate, and higher cost options for air purifiers that can be purchased online (prices as of September 2018). All of the air purifiers shown below have been tested and certified by the California Air Resources Board (CARB) and are effective for use in rooms that are the typical size of the open floor plan living room and kitchen found in the University Village apartments. If you plan to place an air purifier in your bedroom, visit http://www.ahamdir.com/aham_cm/site/pages/search_airCleaners.html and search for options that are effective in a room greater than or equal to the square footage of the room in question.

AIR PURIFIERS
California Certified Air Cleaning Devices available online

$
- Honeywell 50250-S True HEPA Air Purifier: $130.99
- Winix 5300-2: $139.99
- Winix 5500-2: $150.99
- 50250-S True HEPA Air Purifier: $195.91
- Honeywell HPA300 True HEPA Allergen Remover: $199.99

$$
- Whirlpool WP1000: $239.69
- Whirlpool WP500: $239.96
- Blue Pure 211+: $249.35
- Electrolux ELA P40D8PW PureOxygen Allergy HEPA: $289.63
- Blueair 403 HepaSilent Air-Purification System: $399.99

$$$
- Sharp KC-860U: $421.99
- Blueair Classic 405 HepaSilent: $549.95
- Cuckoo CAH-4011FW: $600.00
- Philips Air AC5659/40 5000i: $699.99
- Atmosphere 10176: $888.88
- Oransi EJ120: $899.00