



Welcome to Lehigh Valley Breathes November update! Now that we've all enjoyed the Thanksgiving holiday, let's look at where we stand with the Lehigh Valley Breathes project.

There are currently 17 monitors installed, but only 15 are visible on the Shiny App, which you can find [here](#). Why, you may ask, can we only see 15? That's one of the questions we'll answer in this update.

Types of Monitoring

You may recall when we announced the project and encouraged people to offer sites for monitor location that, we were looking for two requirements. One was an electrical outlet; the other was access to a WiFi network. Wherever that's possible, that's the preferred set-up, and the 15 monitors you see on the Shiny App are all connected to a WiFi network, which feeds the data to the Shiny App 24/7.

However, it's often not possible to find a WiFi network in a prime location, especially one that serves as a rural source of baseline data. Those monitors have to collect their data on SD memory cards inside the monitor. That data then needs to be downloaded on a regular schedule by someone visiting the site and transferring the data to the database that we are maintaining for research.

Currently, we have two monitors that are collecting data via SD cards. One is located in Lower Mt. Bethel Township in northeastern Northampton County, and the other is at Leaser Lake in northwestern Lehigh County.

Based on the project design, there may be additional sites that will require us to use SD cards for data collection. For that reason, when the counties purchased the monitors they purchased ones that can either work via WiFi or SD card, making them usable in the future in whatever type of site is available.

Remaining Monitor Installations

We are planning a monitor installation blitz at the beginning of January to get the remaining monitors installed based upon the project design. We'll begin contacting the owners of site locations in early December to set up a convenient time for installation after the holidays are over.

The project personnel who may be contacting you either by email or phone are Hannah Perrelli, Breena Holland, or Andrea Wittchen. If, for any reason, you have changed your mind about having a monitor installed, please let them know when they contact you.

Any Findings Yet?

A project like this one is composed of a variety of hypotheses that are tested over the course of data collection throughout the year. Some hypotheses are easily proven or disproven with a limited data set; others may require significant data collection and much more extensive analysis. We're as eager as you to see what we're discovering. While it will be more than a year before we have a final report, we expect to

have some interim findings that may be of interest. We've already identified one interesting finding and may have another by the end of December. If we feel reasonably confident in their validity, we'll share them at that time.

See You Next Month

That's it for this month. We'll be back again in December with more updated info. These updates will be posted on this webpage the last week of each month.

If you would prefer to receive the updates by email, you can request to be added to the email list at lvbreathes@gmail.com

Breathe easy! And have a very happy holiday season!