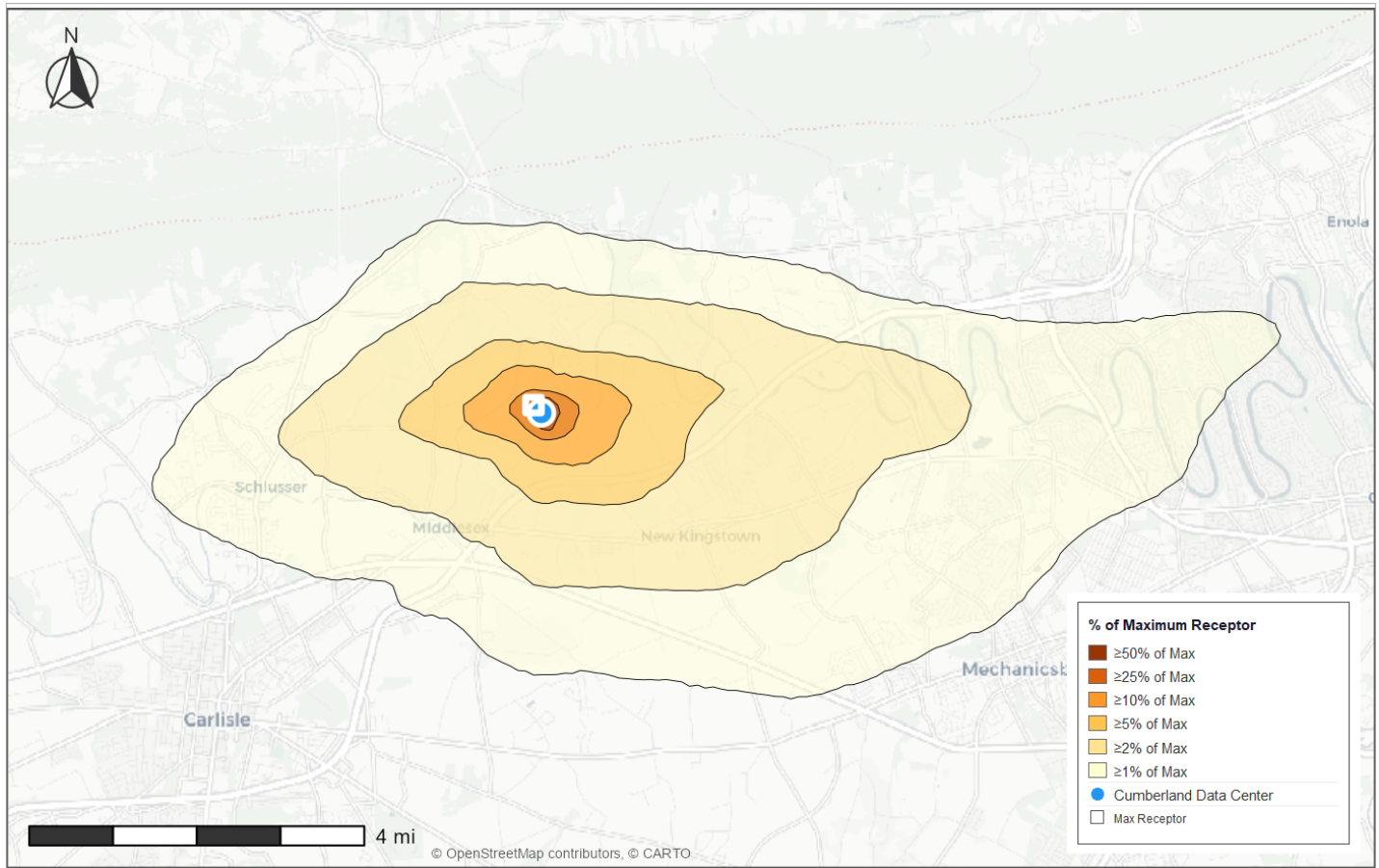




This map shows the modeled relative average annual concentration of primary air pollutants from the Cumberland Data Center in Cumberland County, PA. These models use meteorological data from 5/1/2024 to 4/30/2025 to produce these results.

Modeling was conducted assuming constant emissions uniformly distributed across 20–40m above ground level at the geographic coordinates 40.254384, -77.115718.

This map provides an understanding of the geographical distribution of primary pollutants on a relative scale. The area in the white box will experience the maximum impact, or the highest average increase to ground-level emissions over the course of a year. Each shaded area will experience a percentage of the maximum impact. Because this map only shows relative impacts over time, it does not provide specific levels of pollutants expected at any location, nor identify the pollutants that will be emitted. Secondary pollution formation, or new pollution formed when facility pollution chemically transforms in the atmosphere, has not been modeled.

The average annual model shows where pollution will likely end up over the long term. This model shows that emissions' impacts are different based on direction from the facility. These models show the greatest long-term average impact to the west and east.