The first article I selected is called Greater Yellowstone Area Air Quality Assessment Update. This article gives a rundown of a few factors that contribute to the overall air quality at Yellowstone. The areas of research are Urban and Industrial emissions, Oil and Gas development, Prescribed and wildfire smoke, and Snowmobile emissions. I think this is a beneficial article for a story map because it provides charts and an explanation of the data, plus it describes the research process used. It also compares the data to EPA baseline data, which is helpful for a story map, because you can specifically talk about any environmental effects and differences. There are several air quality layers that exist on Living Atlas. For the story map, I think I would use the air quality map to pinpoint select locations. For example, if I was focusing on fire smoke, I could choose the data in the article for smoke emissions from Yellowstone. Then, I would use the Atlas layer to zoom into the air quality of Yellowstone. From here, I could make references between the data and the layer in the text. I think I could apply this tactic to all the categories of this article if need be.

The second article I found is called Air Toxic Emissions from Snowmobiles in Yellowstone National Park. This article focuses on the emissions created from snowmobiles in Yellowstone. Based on the data collected, we can see that winter emissions in the park are largely due to snowmobiles. There is also a chart showing the vehicle entries into Yellowstone, with the majority being snowmobiles. I believe that this article ties in nicely to both air quality and recreation. One reason is that it shows the impact that these recreational vehicles have on air quality. This article is a great source in a research aspect, because it breaks down to a very scientific and mathematic level at some parts. Whilst I might not understand, I know it would be beneficial to geographers who do focus on this type research. Again, I feel that I could use the tactic I explained before. This article provides maps of the different data collection locations, as well as the different toxins that were measured. The layers would come into play here because they would provide an easy comparison to the data provided, and backup the information I put into the story map.

Overall, I think that I could implement some good data from these articles. However, it depends on how technical I intend to get with it. The second article I mentioned provides more of the scholarly data. However, I think the images in it provide a good insight, because in the case of a story map, the images are good for those looking for a quick read. I think it would also be good to pull some data points from a location from each category of the first article. What I would do here is try to make some historical references. That is, I would like to compare modern air quality vs. air quality before development of these areas started (if available). In all, I believe that these articles make significant contributions to a story map.

Links :

<https://pubs.acs.org/doi/abs/10.1021/es9018578>

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.503.9265&rep=rep1&type=pdf>