# **Visualize Your Water Challenge**

# Submission Form

\*Students must have a teacher sponsor their submission. Home school students may have a guardian sponsor their submission

#Not applicable for home school students

**Link to visualization: http://arcg.is/1ozujOp**

**Project description** (no longer than 5 pages, Times New Roman, size 12, single spaced. See Getting Started Guide for further guidance)**:**

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       2/ 29/ 16     Period 6

**Visualize Your Water Challenge Paper**

Mr. Gardiner introduced the Visualize the Water Challenge I was quite excited to learn more about how nutrient pollution affected our bay and what the water quality was like in the bay around us.

The process was fairly easy, first we made the engaging title slide with a visual to support our text. Then we continued by making more slides and added visuals, hyperlinks, engaging pictures, videos and maps. While making the story map to inform others about the problems in the Chesapeake Bay and Potomac River watershed I also learned a lot. For instance how I can take part and help and what the water quality is around the bay and near where I live. I selected the pictures and data by most reliability and clarity. I addressed the issue of Dead Zones, Algae Blooms and Water Quality. I analyzed the data by the legend and comparing it to other sources.

The story I’m telling about nutrient pollution is how it affects the world around us and how we can all take our part and help prevent and solve the problem of nutrient pollution. The visualizations show how widespread the nutrient pollution is in both the Potomac River Watershed and the Chesapeake Bay Watershed, and the impacts of nutrient pollution in the bay.

Nutrient Pollution effects the town of Poolesville, MD (which is located in the Potomac River Watershed) by polluting our water, affecting our water recreation habits and our fishing/hunting habits). The audience I’m trying to break through to is the citizens who want to take part and give back to their environment. I’m hoping to encourage people to help fight nutrient pollution and help the world around them.

Works Cited

“Agricultural Run-Off.” *NIH Tox Town*. N.p., n.d. Web. 1 Mar. 2016. <http://toxtown.nlm.nih.gov/text\_version/locations.php?id=1>. shows how agricultural run-off works and how it effects the environment and watershed around it

“Air Pollution and Water.” *Windows to the Universe*. N.p., n.d. Web. 1 Mar. 2016. <http://www.windows2universe.org/earth/Atmosphere/water\_watersheds.html>. explains how air pollution can lead to effecting watersheds

ChesapeakeBay.net. “https://stat.chesapeakebay.net/?q=node/130.” *ChesapeakeBay.net*. ChesapeakeBay.net, 11 June 2015. Web. 1 Mar. 2016. <https://stat.chesapeakebay.net/?q=node/130>. Data from sources showing Data about water quality in the Chesapeake Bay

*From the Field: Monitoring Water Quality in the Chesapeake Bay*. *Vimeo*. Vimeo, 2013. Web. 1 Mar. 2016. <https://vimeo.com/48983444>. a video explaining the water quality in the bay

“How To’s and Tips.” *Chesapeake Bay Program*. N.p., n.d. Web. 1 Mar. 2016. <http://www.chesapeakebay.net/takeaction/howtotips>. shows how you can take part and help the environment

“Industrial Impacts on Water.” *Our Water World: The Blue Planet*. N.p., n.d. Web. 1 Mar. 2016. <http://www.galileo.org/schools/crowther/science/blueplanet/industry.html>. explains how industrialization effects watersheds

“Pollution from Giant Livestock Farms Threatens Public Health.” *National Resources Defense Council*. N.p., n.d. Web. 1 Mar. 2016. <http://www.nrdc.org/water/pollution/nspills.asp>. shows how animal feed lots affect the environment

Program, Chesapeake Bay. “Chesapeake Bay Program.” *Chesapeake Bay Program*. N.p., 2012. Web. 1 Mar. 2016. <http://www.chesapeakebay.net/track/guides>. Shows the problems caused by Nutrient Pollution indiviually

“Run-off.” *Watershed Association*. N.p., n.d. Web. 1 Mar. 2016. <http://www.quittapahillawatershedassociation.org/images2/nonpointsources.jpg>.

“Wastewater Treatment.” *Pollution Issues*. N.p., n.d. Web. 1 Mar. 2016. <http://www.pollutionissues.com/Ve-Z/Wastewater-Treatment.html>. shows how if water treatment goes wrong hoe it can take a toll on the environment

“What Is Nutrient Pollution?” *National Ocean Service*. N.p., 20 Mar. 2014. Web. 1 Mar. 2016. <http://oceanservice.noaa.gov/facts/nutpollution.html>. explains what nutrient pollution is and how it can affect the environment

<http://arcg.is/1QqlNMj> (my layer)