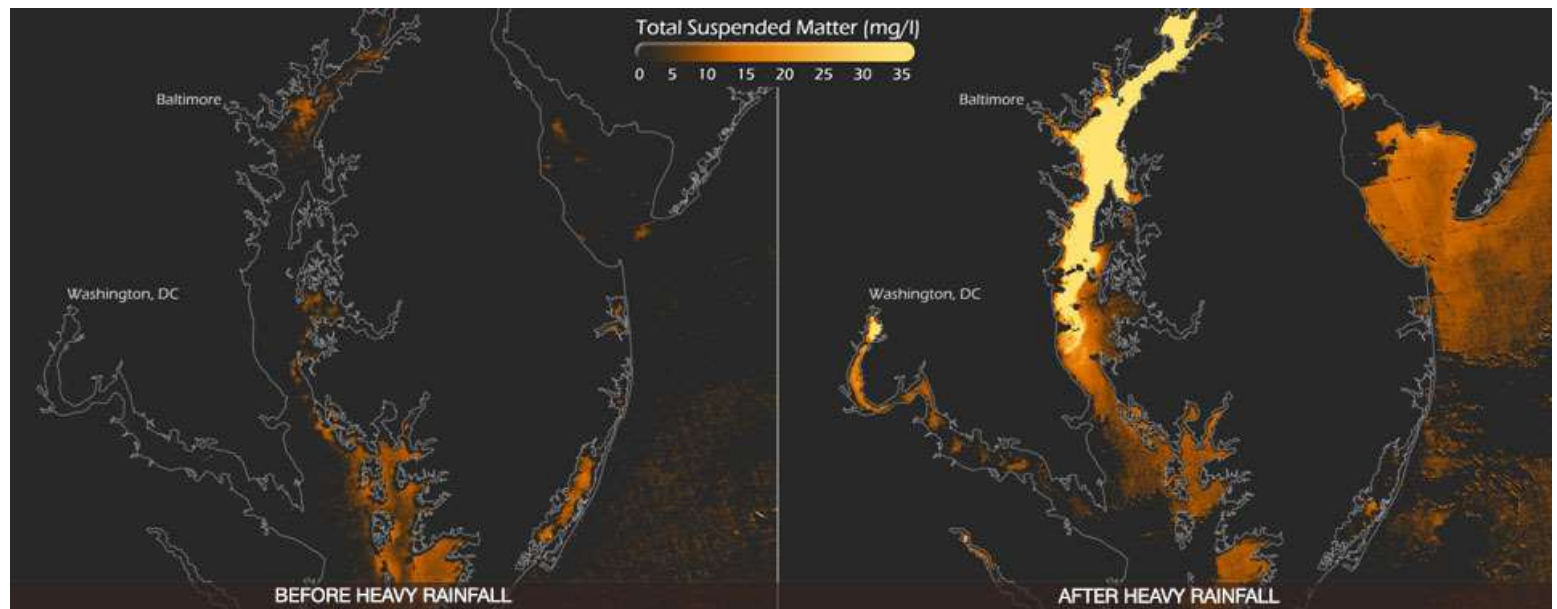


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What is nutrient pollution?

Nutrient pollution is the process where too many nutrients, mainly **nitrogen and phosphorus**, are added to bodies of water and can act like fertilizer, causing **excessive growth of algae**.



*Nutrients can run off of land in urban areas where lawn and garden fertilizers are used. Pet and wildlife wastes are also sources of nutrients. To see how this happens, consider this visualization of the Chesapeake Bay, part of the largest watershed in the Northeast. This illustration shows the amount of suspended matter (e.g., silt, mud, debris) in waterways **before** (left) and **after** (right) areas in this region received exceptionally heavy rainfall in 2011 (<https://www.nesdis.noaa.gov/?MediaID=836&MediaTypeID=1>). All of this rain and runoff eventually made its way into the Chesapeake Bay.*

This process is also known as eutrophication. Excessive amounts of nutrients can lead to more serious problems such as low levels of oxygen dissolved in the water. Severe algal growth blocks light that is needed for plants, such as seagrasses, to grow. When the algae and seagrass die, they decay. In the process of decay, the oxygen in the water is