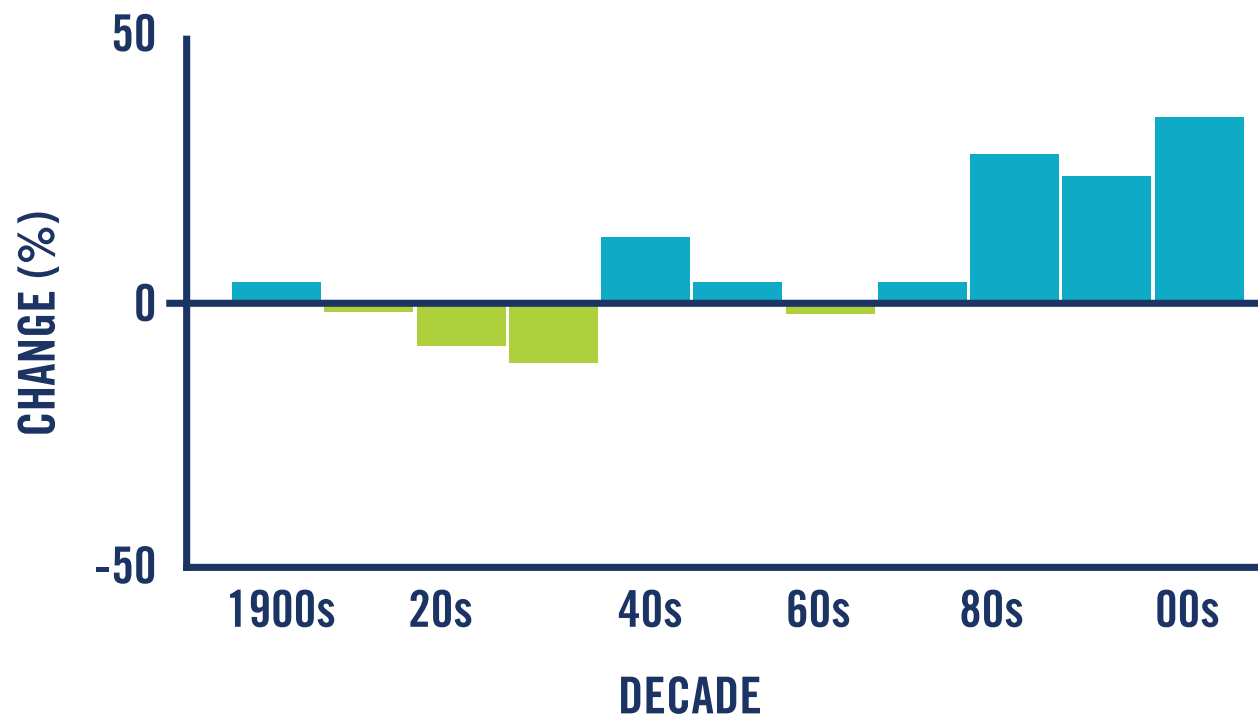


WATER ISSUES FACING OHIO AND THE WORLD



Water Fact #1

Heavy rainfall events in the Midwest, including Ohio, have increased by 37% since 1990. (National Climate Assessment Report, 2014)



Water Fact #2

One half million people had to find other sources for basic water needs when the 2014 algal bloom impacted Toledo's water supply. The impact of a large urban area being deprived of clean water is devastating even for a short time. (Alliance for the Great Lakes blog July, 2018)



Water Fact #3

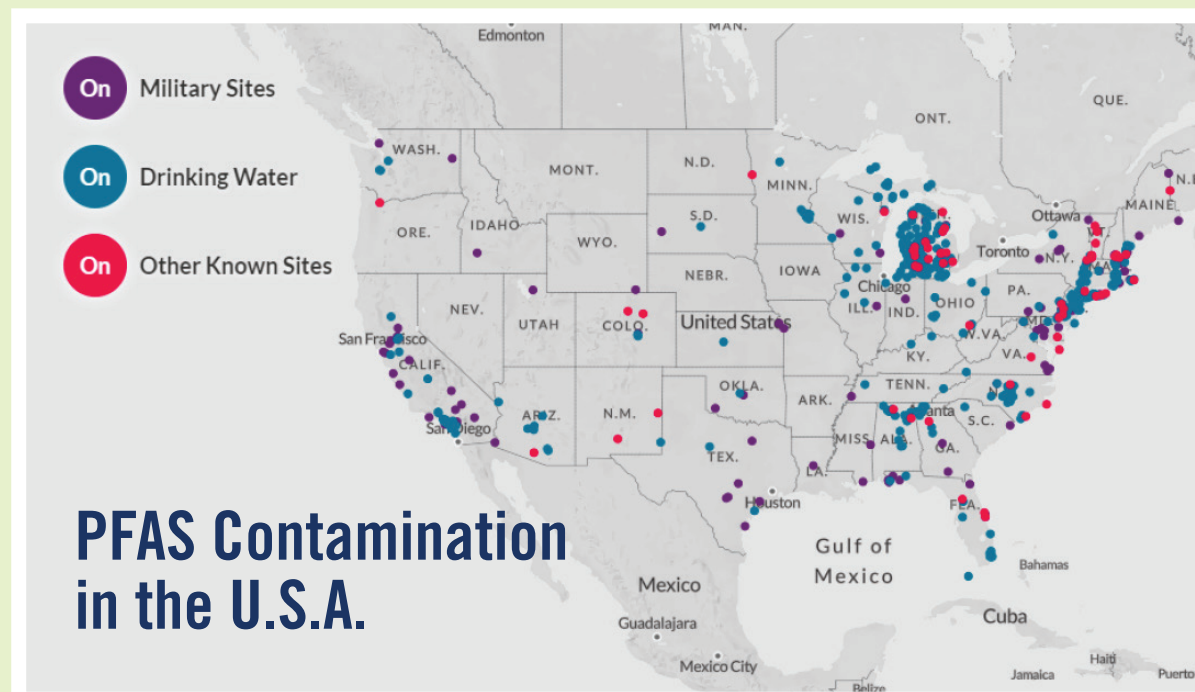
Nearly one in four Americans—77 million people in the U.S.—are drinking water that comes from untested or contaminated systems. Ohio ranks as one of the worst states for such offenses. (Dayton Daily News, May 2, 2017)

Water Fact #4

Positive News! "Taking out the entire nutrient issue, the lake (Lake Erie) is healthier than even across all sectors." Reports Brenda Culler, ODNR public information officer. (The News-Herald, July 15, 2017 Port Clinton)

Water Fact #5

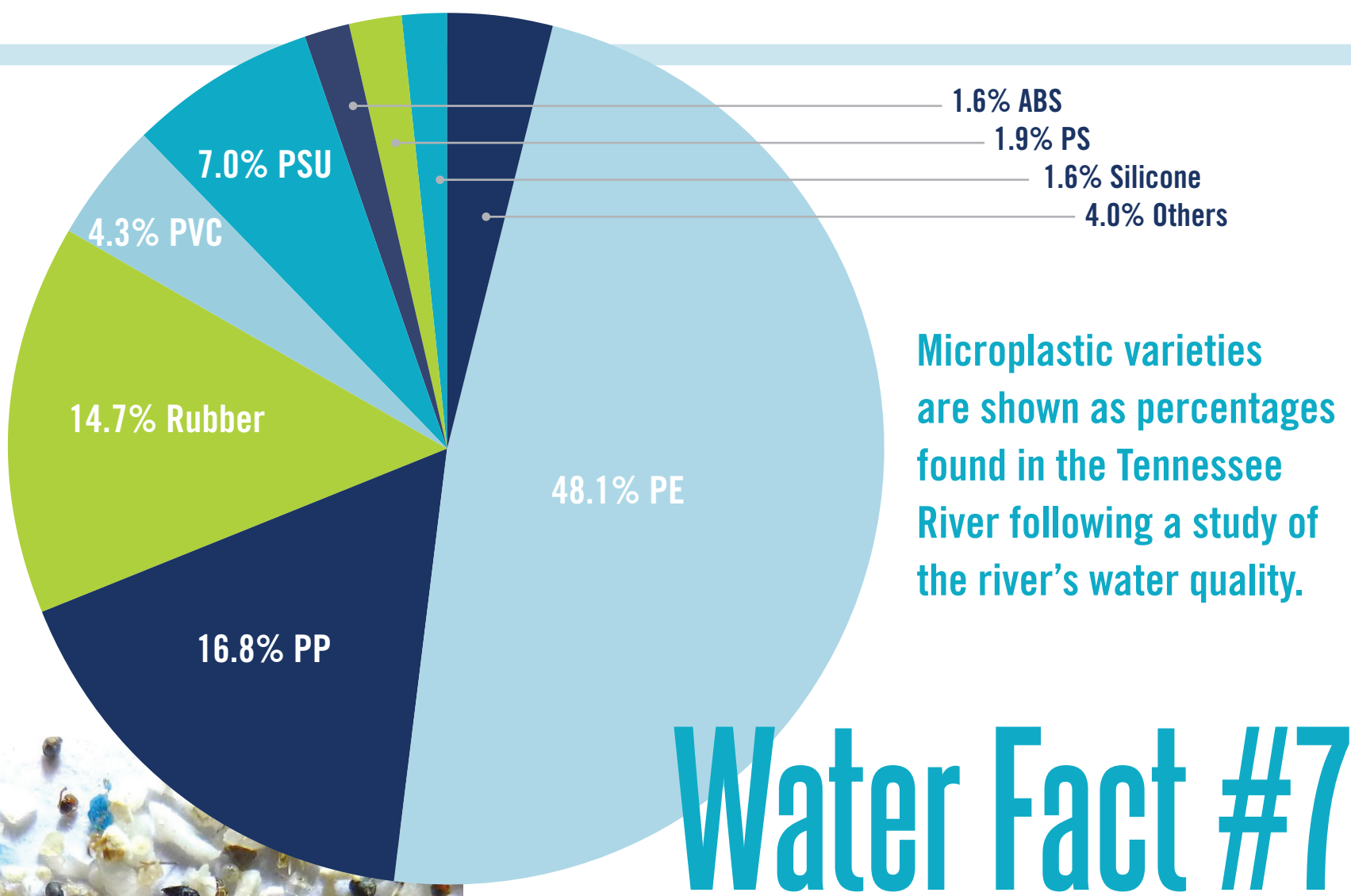
Unsafe drinking water, not climate change, poses the greatest and most immediate global threat to the environment, suggested Andrew Wheeler, EPA administrator, in a CBS News interview, March 20, 2019.



Water Fact #6

Polyfluoroalkyl (PFAS) - related health warnings set to limit summer fun on 18 Michigan waterways. (LeBlanc, Beth. The Detroit News, May 23, 2019)

- Studies show associations between PFAS exposure and health risks such as thyroid disease, increased cholesterol levels, and kidney and testicular cancers.
- PFA's are a class of chemicals used in firefighting foam, tanneries, metal platers, Scotchgard & Teflon.



Water Fact #7

Microplastics hit home: Tennessee River among the most plastic polluted in the world. (Capps, Andrew. Knoxville News Sentinel, Feb. 8, 2019)

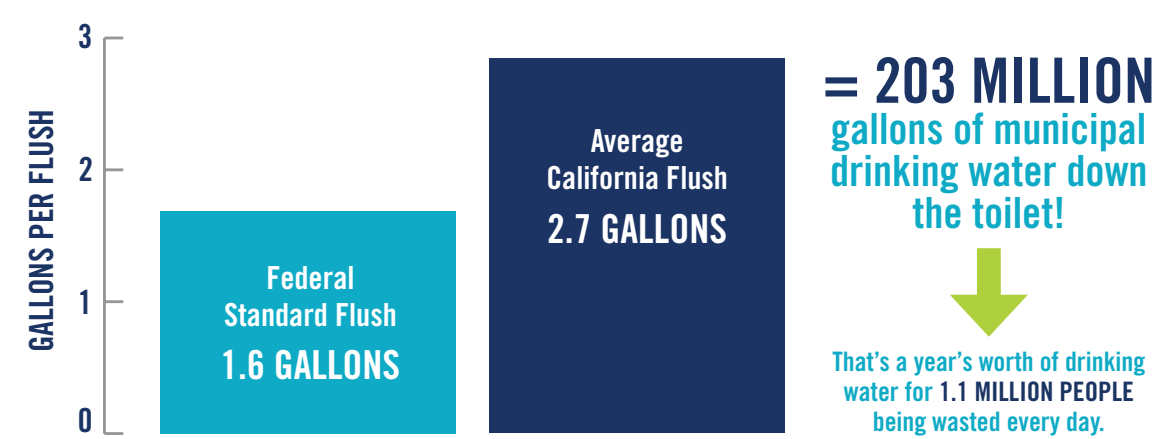
- Microplastic levels in the Tennessee River were 18,000 particles per cubic meter of water compared to just 200 particles per cubic meter in the Rhine River, meaning levels in the Tennessee River were some 80 times higher.
- Surprisingly, only 5 million people live in the Tennessee River watershed while over 56 million people live in the Rhine's watershed. (working report Dr. Andrew Fath - Dr. Martin Knoll)

Water Fact #8

In U.S. homes, flushing toilets uses more water than any other activity—2 gallons per flush. (<http://www.poweringanaon.org/water/#everydrop>)

- More than 1 billion people live on less than 1.5 gallons a day.
- Think about it... that's less water per person than in a single flush.

The average flush in California wastes 203 MILLION gallons daily!



Older toilets can use four times more H₂O to flush! WaterSense toilets use 1.28 gallons per flush and are guaranteed to work.



Water Fact #9

During the time that you took to read this:

- Four children have died because they didn't have clean water.
- Almost 2,000 gallons of waste have been dumped in our waters.
- The United States has consumed 4 million gallons of water.

(<http://www.poweringanaon.org/water/#everydrop>)

> FOR MORE INFORMATION VISIT BLANCHARDRIVER.ORG

