Tree Canopy and Stormwater

Goshen
THE MAPLE CITY

Census Block Groups

Canopy Percentage
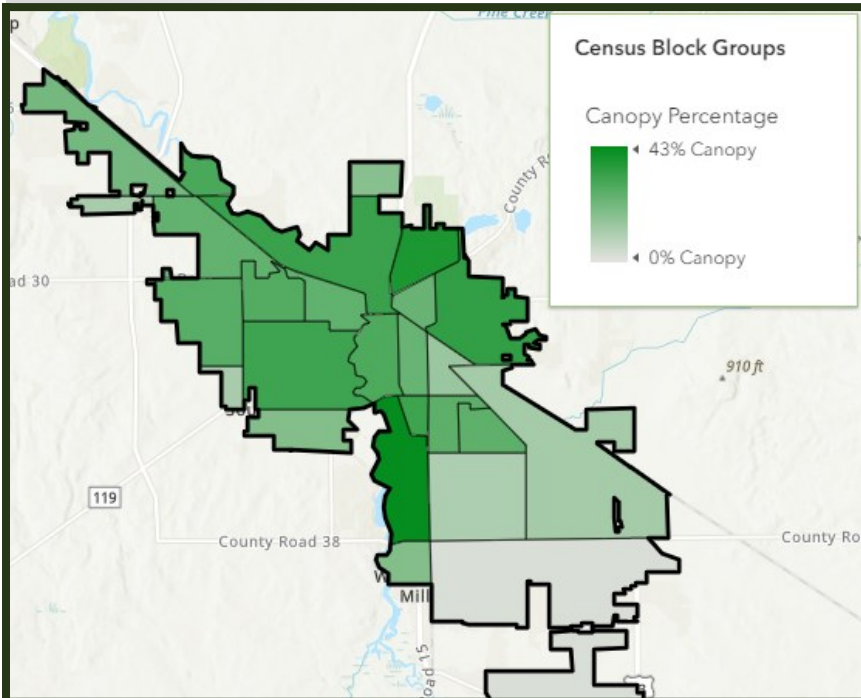
◄ 43% Canopy

◄ 0% Canopy

Goshen canopy data can be found at canopy.treekeepersoftware.com/goshenin

MARK YOUR CALENDARS!
Join the Environmental Resilience Department and Goshen Shade Tree Board downtown the evening of **April 29th** to celebrate trees! This year is the 150th year of Arbor Day celebrations in the United States.

Did you know trees impact the amount and quality of stormwater?

Goshen's tree canopy goals and other urban forestry efforts have important co-benefits for stormwater management. The principles of stormwater management can be summarized as, "slow stormwater down, spread it out, and soak it in." Trees help do all three! Check out how below.

Trees are also important for flood control—so important that Goshen's new Draft Flood Resilience Plan has some specific recommendations for how to expand our tree canopy.

goshenindiana.org/flood-zone
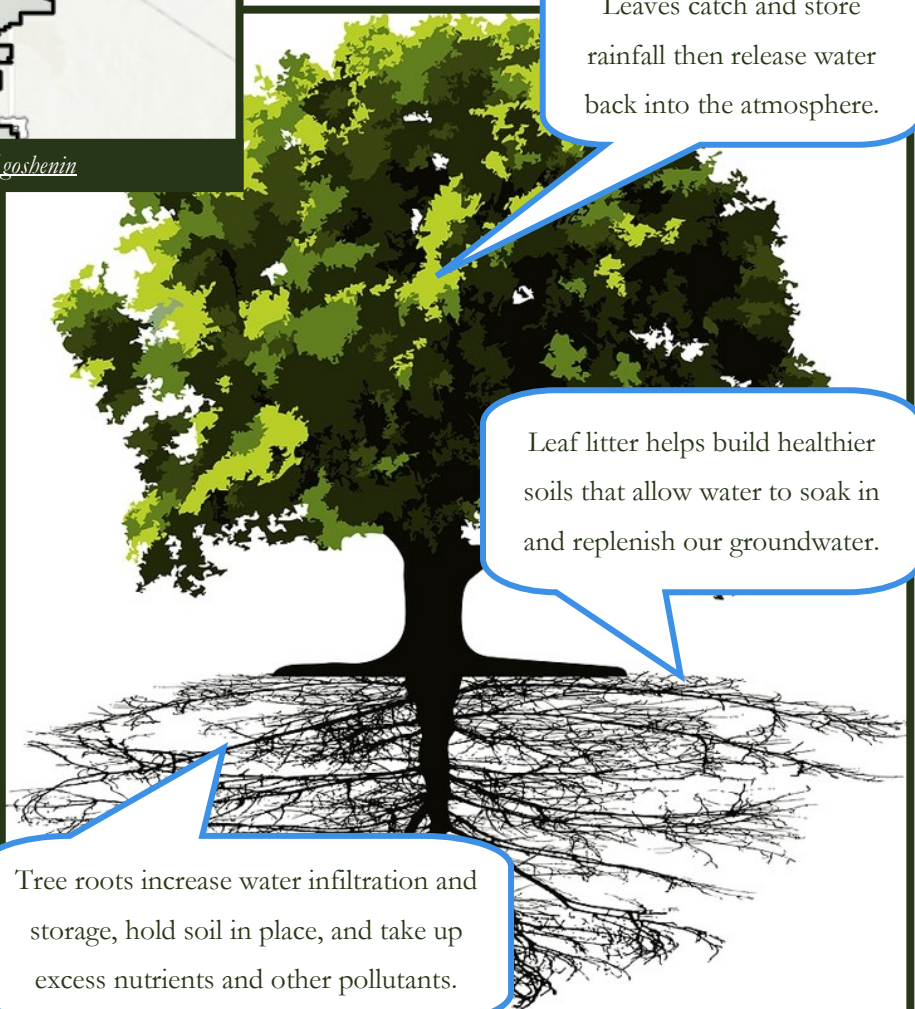
Leaves catch and store rainfall then release water back into the atmosphere.

Leaf litter helps build healthier soils that allow water to soak in and replenish our groundwater.

Tree roots increase water infiltration and storage, hold soil in place, and take up excess nutrients and other pollutants.

Visual, non-recorded version of gauge

Goshen's USGS River Gauge

The United States Department of the Interior first installed a river gauge near the Indiana Avenue Bridge in 1924. Now run by the United States Geological Survey (USGS), the gauge data covers nearly 100 years of stream flow rates and river height crests that help us understand flooding trends here in Goshen. The gauge also plays an important function for us today by helping predict and prepare for our *next* flood event.

Based on the height of the river at the gauge, the USGS has put together inundation maps that show which areas of Goshen along the Elkhart River will flood as the river rises. Areas that are "inundated" are covered over with flood waters. You can explore these maps and learn more about the gauge at https://arcg.is/11zyaj.

Shanklin Park

INDIANA AVE

INDIANA 119   PLYMOUTH AVENUE

River Gauge Height and Anticipated Inundation

- 5 feet
- 6 feet (action stage)
- 7 feet (minor flood stage)
- 8 feet
- 9 feet (moderate flood stage)
- 10 feet
- 11 feet (major flood stage)
- 12 feet
- 13 feet
- Elkhart River Pathway

Report a Pollutant

Stormwater pollutants include anything other than rain that could flow or be washed into a storm drain. If you see a pollutant entering a storm drain, please call 574-534-2201, send an email to stormwater@goshencity.com, or submit a Stormwater Report through the City's "Report an Issue" button on the City of Goshen website, *www.goshenindiana.org.*

Public Works & Utilities
Department of Stormwater
204 E. Jefferson Street
Goshen, Indiana 46528
574-534-2201
bit.ly/goshen-stormwater

Director of Public Works:	Stormwater Coordinator:	Stormwater Specialist
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