



BELOW GROUND

What is a Stalagmite?

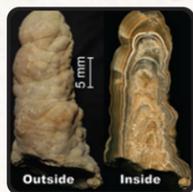
Stalagmites form from water. Rainwater seeps through the ground and into the cave. Along the way, it picks up carbon dioxide gas from the soil, which creates carbonic acid. This dissolves the surrounding rock (limestone) as the water percolates through the ground, and when it reaches the cave, it releases CO₂ (much like when a soda can is opened). After the CO₂ is released, the remaining calcite in the water (from the dissolved limestone) is precipitated as part of a stalagmite.



As rainwater drips into the cave, calcite growth "rings" form inside stalactites:



How do we know when calcite is growing?



Rain water naturally contains tiny trace amounts of the element "Uranium" (U) that's in the atmosphere, which decays to the element "Thorium" (Th) through time. The ratio of U-to-Th can be measured in calcite growth rings to determine the age of a stalagmite.

Fun Fact

The age of the stalagmite (pictured above) is roughly 257,000 years and the oldest recorded age of stalagmite growth in the Midwestern United States!

The U-Th work was done for the completion of a Masters thesis (2016-2018) by graduate student Cameron J. Batchelor, under the co-advisory support of Dr. Shaun A. Marcott and Dr. Ian J. Orland. The oxygen isotope analysis is done for the completion of a Ph.D. (2018-present) by graduate student Cameron J. Batchelor, under the co-advisory support of Dr. Shaun A. Marcott and Dr. Ian J. Orland.



3 different colors can primarily be seen in our cave due to the presence of different minerals. The mineral calcite is white; iron oxide gives us red, orange, and brown; and manganese gives us hues of black, blue, purple and gray.



Dream River extends back 250 feet and was opened in 1957.



Surprise Cave was a surprise to find while excavating a tunnel.



The Meanders is one of the deepest areas of our cave at 70 feet below the surface.

DISCOVERED IN 1939

Cave of the Mounds was accidentally discovered on August 4, 1939. Workers, who were removing limestone from a quarry on the Brigham Farm, blasted into the cave. The blast tore the face off the quarry and revealed a great underground cavern. All quarrying stopped and never resumed. The dynamite blast revealed a limestone cave more than twenty feet high opening into other rooms and galleries, all containing numerous mineral formations. The excitement of the discovery brought so many curiosity seekers that the cave had to be closed in order to preserve it. The Brighams entrusted two local men to develop and open the Cave while preserving it as much as possible in its natural state.

Carl P. Brechler and Fred H. Hanneman opened the Cave of the Mounds in May 1940.

For your safety and to protect our fragile cave:

-  Please leave strollers and framed backpack carriers in your vehicle.
-  Please do not touch the walls or formations in the cave.
-  Please do not eat, drink, chew tobacco, smoke, or vape in the cave.
-  Please leave large bags and backpacks in your vehicle.
-  Cameras allowed - please leave tri-pods, mono-pods and selfie-sticks in your vehicle.

Thank You!

To Do at the Cave

- Discover Treasure at the Gem Mine
- Crack a Geode
- Get certified as an Adventure Ranger
- Hike Nature Trails
- Walk along the Geologic Timeline
- Search for Fossils in the Foundation Fossil Find
- Explore Rock & Fossil Gift Shops



ABOVE GROUND

Cave of the Mounds was discovered on August 4th, 1939 on the site of the historic Brigham Farm (est 1828). Since then, millions of visitors have come to see the fragile underground treasures that you will see today.

In 1988 the National Park Service and the United States Department of the Interior designated Cave of the Mounds as a National Natural Landmark, stating that "this site possesses exceptional value as an illustration of the nation's natural heritage and contributes to a better understanding of our environment."

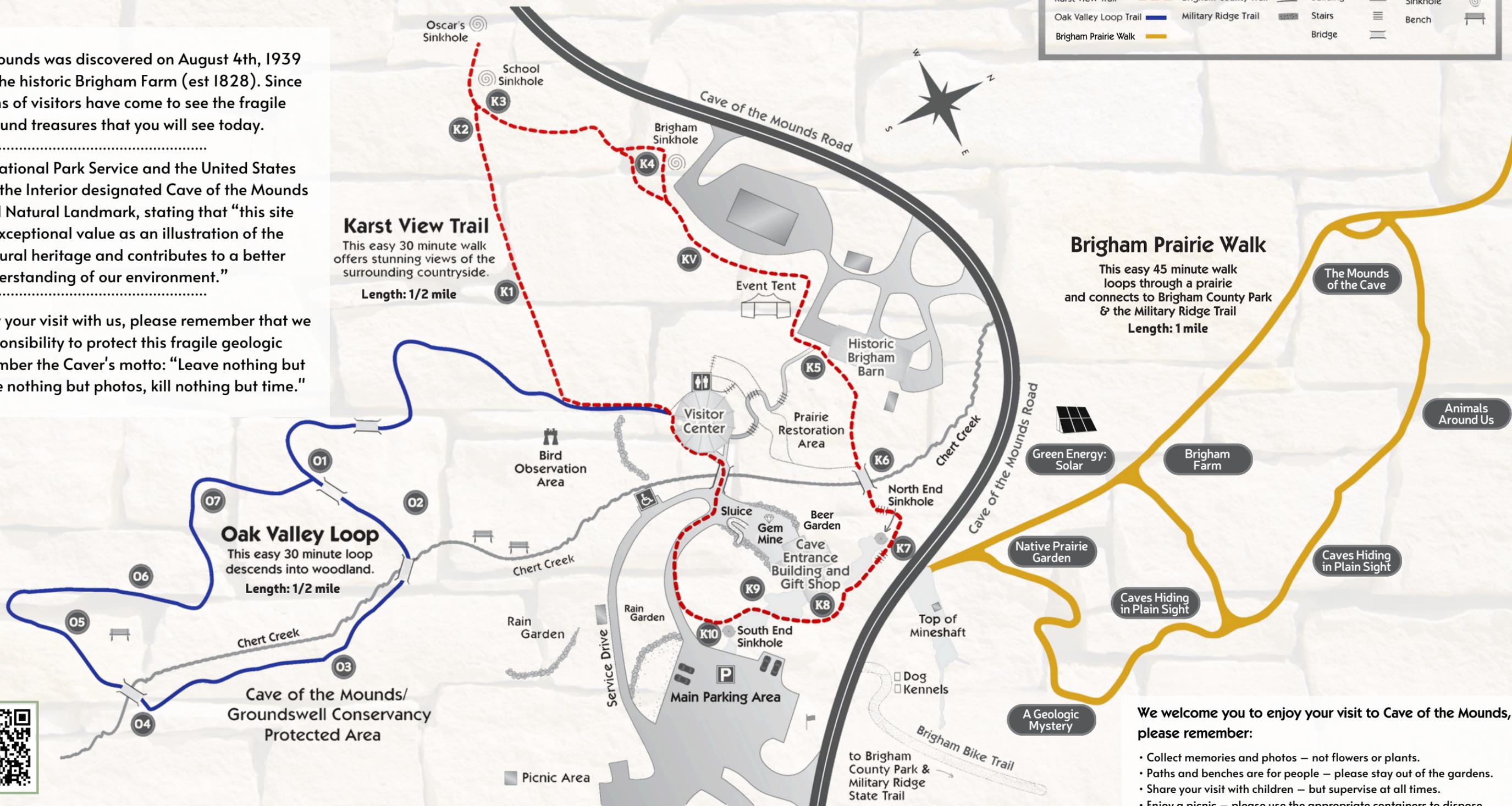
While you enjoy your visit with us, please remember that we have a responsibility to protect this fragile geologic wonder. Remember the Caver's motto: "Leave nothing but footprints, take nothing but photos, kill nothing but time."

Guides & Signage



Park Map

Prairie Terrace Trail	Brigham Prairie Walk	Paved Area	Creek or Stream
Karst View Trail	Brigham County Trail	Building	Sinkhole
Oak Valley Loop Trail	Military Ridge Trail	Stairs	Bench
Brigham Prairie Walk		Bridge	



Karst View Trail

This easy 30 minute walk offers stunning views of the surrounding countryside.

Length: 1/2 mile

Oak Valley Loop

This easy 30 minute loop descends into woodland.

Length: 1/2 mile

Brigham Prairie Walk

This easy 45 minute walk loops through a prairie and connects to Brigham County Park & the Military Ridge Trail

Length: 1 mile

We welcome you to enjoy your visit to Cave of the Mounds, please remember:

- Collect memories and photos – not flowers or plants.
- Paths and benches are for people – please stay out of the gardens.
- Share your visit with children – but supervise at all times.
- Enjoy a picnic – please use the appropriate containers to dispose of trash, recyclables & cigarette butts.
- No pets please.