



# Discover Our National Parks

A Biome Research Project  
Using Google Earth



[Google Earth Link](#)



**INSTRUCTION:** Choose 3 locations (next Slide), cut/paste the coordinates into [Google Earth](#), add information to the following slides.

- Slide 1: Park Name, Location and Screenshots
- Slide 2: Google Earth Screenshots of Park
- Slide 3: How to locate the park's information.
- Slide 4: Park History and Culture
- Slide 5: Biome & Climate Description
- Slide 6: Park Plants
- Slide 7: Park Wildlife
- Slide 8: Park Concerns (Human Impact or Natural)



[Google Earth Link](#)



## Google Earth Coordinates:

Mountain (Alpine):	40°20'35"N 105°41'01"W
Tundra:	63°16'58"N 150°47'20"W
Taiga:	44°35'54"N 110°33'40"W
Grassland:	46°57'04"N 103°27'46"W
Deciduous:	41°16'52"N 81°34'03"W
Chaparral:	34°05'34"N 118°44'04"W
Desert:	32°11'00"N 110°36'45"W
Savannah:	41°39'13"N 87°03'08"W
Rainforest:	20°43'15"N 156°09'18"W



[Google Earth Link](#)

[Link to Park 1: Slide 1](#)

[Link to Park 2: Slide 1](#)

[Link to Park 3: Slide 1](#)

[Link to Extra Credit Park: Slide 1](#)



Example park: Slides 5-12

Park 1: Slides 13-20

Park 2: Slides 21-28

Park 3: Slides 29-36

Only when finished with the first 3  
required parks:

Extra Credit Park: Slides 37-44

[Google Earth Link](#)





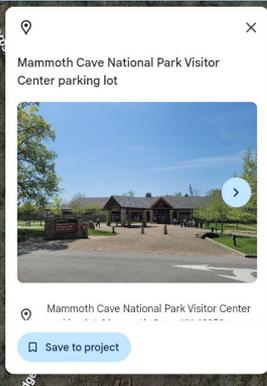
Park Coordinates: 37°11'17"N 86°06'02"W

Biome/Ecosystem Type: Cave

Found on ["Biome Coordinate Page"](#)

Park Name: Mammoth Cave

Location: Mammoth Cave, KY





## Mammoth Cave National Park - Google Earth Screenshots: Cool Pics

Explore Park!

Click the 'Person' in the lower right corner (Streetview). Choose any of the blue dots to explore! If you are having trouble finding the dots, zoom out a few clicks!

Screenshot 4-5 pics from the park and post them on this page!

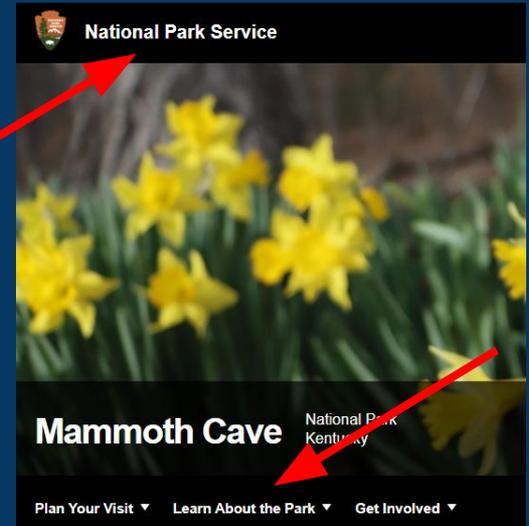




# Mammoth Cave Park Information Location

Deselect street view (the person) and head back to the original location coordinates (go to the coordinates bar, coordinates already entered, and click enter). Click on the green park name that is shown (you may have to zoom-in to get it to pop-up).

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# Mammoth Cave Park History and Culture

Found under "Learn About the Park"

Tell me three facts about the history and culture of the park.

Fact 1: Native American start exploring the caves anywhere from 5,000 - 2,000 B.C.E. The first official tour of the cave was experienced in 1816.

Fact 2: The park still consults seven tribal national that are still affiliated with the the park, including the Cherokee, Shawnee and Chickasaw tribes (and several smaller branches of each tribe mentioned).

Fact 3: In late January of 1925, William Floyd Collins entered the Sand Cave in an attempt to explore the cave as a potential tourist attraction. At some point along his journey back to the entrance, a boulder fell on his ankle and trapped Floyd in the cave. Rescue efforts went on for over two weeks and were unsuccessful.



# Mammoth Cave: Park Nature: Climate and Ecosystem

Found under "Learn About the Park"

Tell me three facts about the park climate and ecosystem.

Fact 1: The area above Mammoth Cave is considered a deciduous forest ecosystem filled with trees lose their leaves in the fall.

Fact 2: Mammoth cave formed when water infiltrated the soil, becoming a weak acid. The weak acid dissolved the limestone, creating passages for river water to flow and erode the caves even more.

Fact 3: Mammoth Cave has several endangered species within it, including Kentucky cave shrimp, bats and freshwater mussels. Conservation efforts are ongoing at Mammoth Cave to help each species.



# Mammoth Cave: Park Nature: Plantlife (Flora)

Found under "Learn About the Park"

Screenshot pics of four different common plants found in the park (please include the name of the plant).

Plant 1:  
Moss



Plant 2:  
Goldenrod



Plant 3:  
Tulip  
Poplar



Plant 4:  
Lichens





# Mammoth Cave - Park Nature: Animal-life (Fauna)

Found under "Learn About the Park"

Screenshot pics of four different common animals found in the park (please include the name of the plant).

Animal 1:  
Bats



Animal 2:  
Kentucky  
Cave  
Shrimp



Animal 3:  
Kentucky  
Cave  
Cricket



Animal 4:  
Eastern  
Grey  
Squirrel





# Mammoth Cave - Park Nature: Concerns or Issues Affecting the Park

Found under "Learn About the Park"

Tell me three concerns for the park (natural causes or human impact).

Fact 1: The park has not had an extreme wildfire in recent memory, and the park uses controlled burns to maintain a safe level of "fuel" along the forest floor.

Fact 2: Convection and the movement of air at the entrance of the cave can change the flow of air from summer to winter. During the summer cool air rushes into the cave, and in the winter, warm air rushes out.

Fact 3: Lint has become an issue due to hundreds of thousands of tourists visiting each year. The Mammoth Cave Restoration camp and the National Speleological Society (NSS) spend time each year collecting the debris from the tourists.

Park Logo Image  
Found on Park Website

Screenshot this Google  
Earth location.

Park Coordinates: \_\_\_\_\_

Biome/Ecosystem Type: \_\_\_\_\_

Found on ["Biome Coordinate Page"](#)

Park Name: \_\_\_\_\_

Location: \_\_\_\_\_

(add park name)

## Google Earth Screenshots - Cool Pics

Screenshot from park

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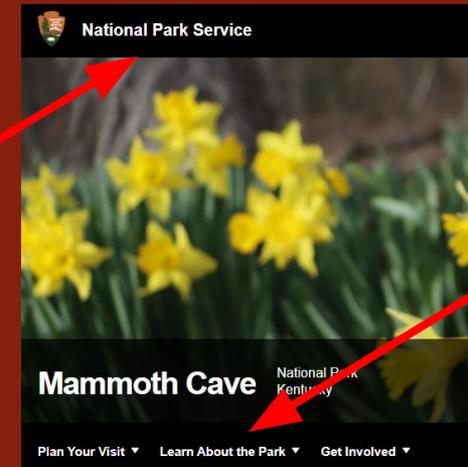
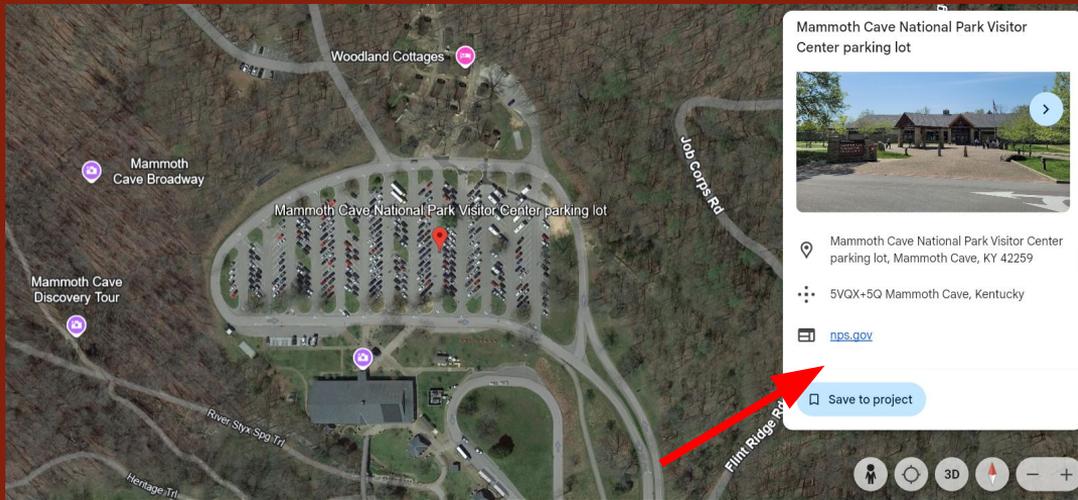
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**Park History and Culture**

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Tell me three facts about the history and culture of the park.

Fact 1: (History)

Fact 2: (The Past People)

Fact 3: (Place/Landmark)



(add park name)

# Park Nature: Climate and Ecosystem

Found under "Learn About the Park"

Tell me three facts about the park climate and ecosystem.

Fact 1:

Fact 2:

Fact 3:



(add park name)

# Park Nature: Plantlife (Flora)

Found under "Learn About the Park"

Screenshot pics of four different common plants found in the park (please include the name of the plant).

Plant 1:

Plant 2:

Plant 3:

Plant 4:



(add park name)

# Park Nature: Animal-life (Fauna)

Found under "Learn About the Park"

Screenshot pics of four different common animals found in the park (please include the name of the plant).

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Animal 2:

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Animal 4:



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Park Coordinates: \_\_\_\_\_

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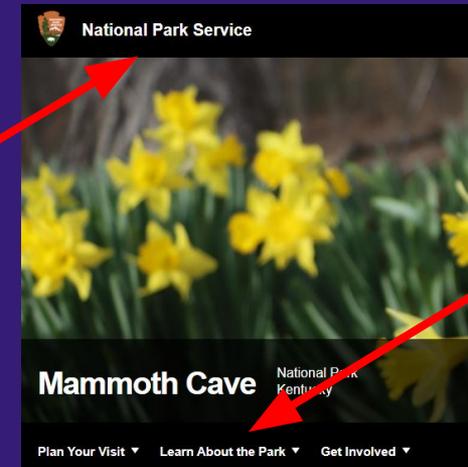
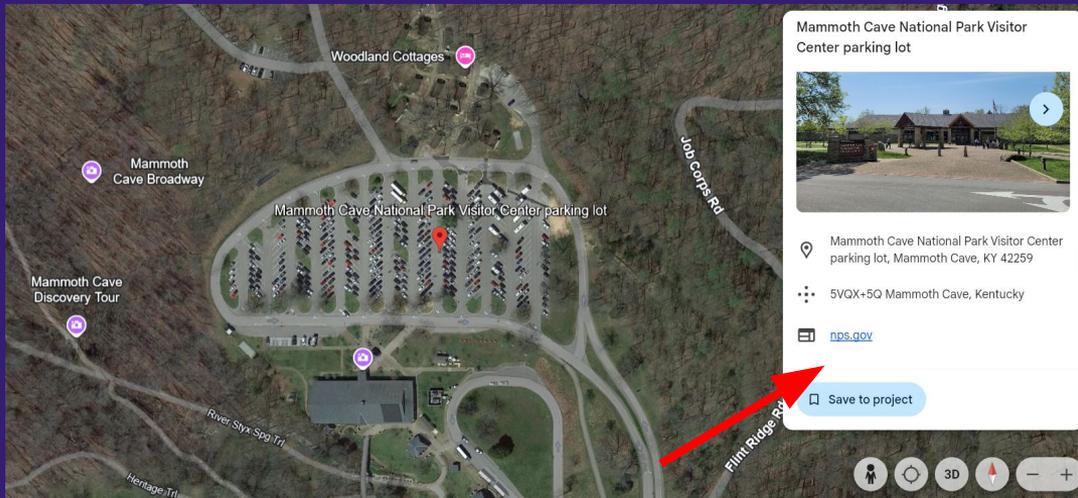
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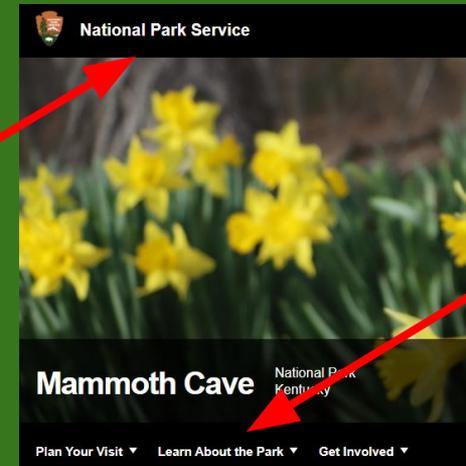
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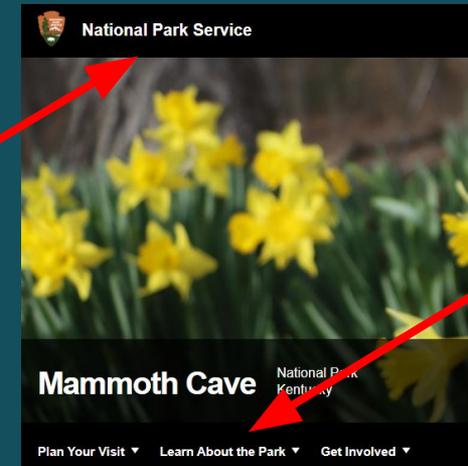
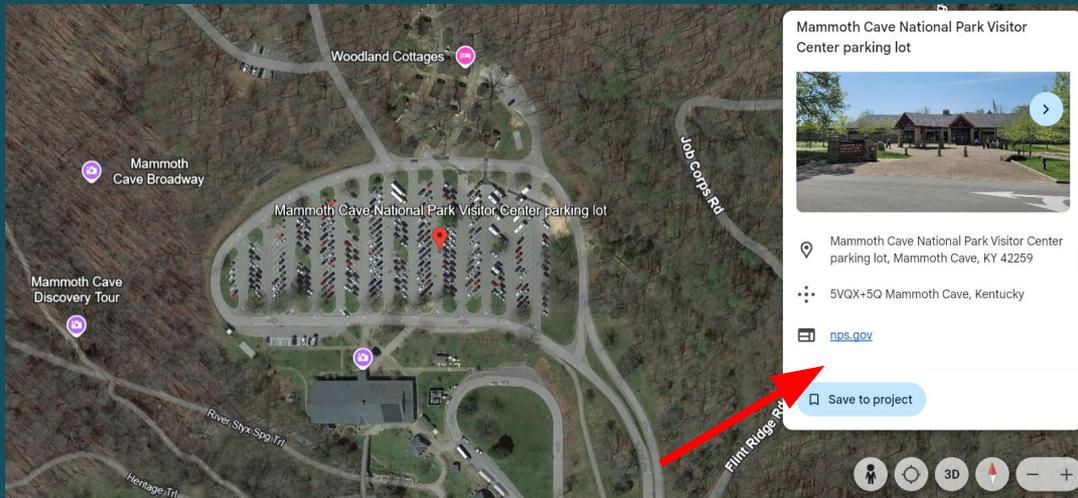
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