

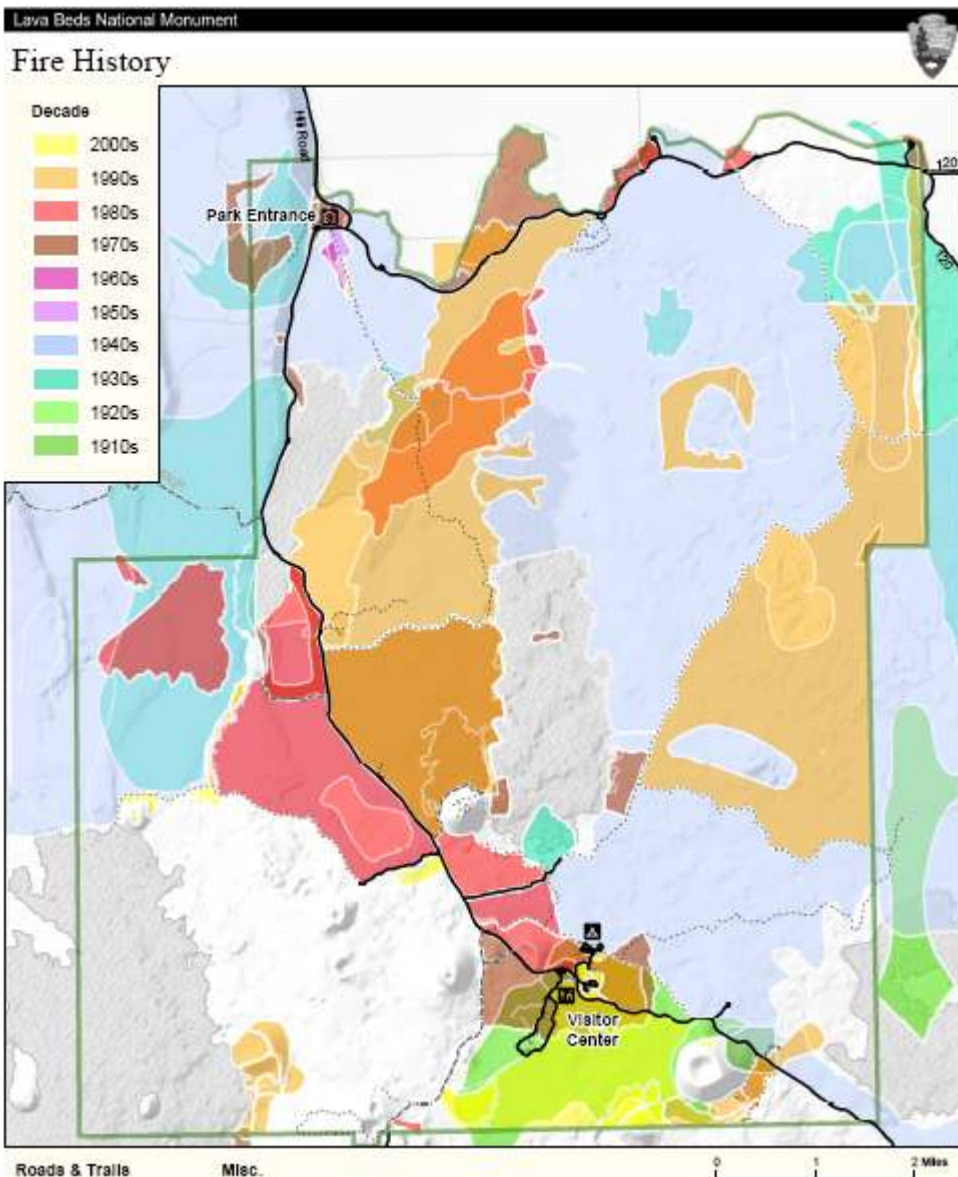
Name: _____

Date: _____

Student Journal: Fire at Lava Beds NM

✓Fledglings

Below is a map of the fire history at Lava Beds National Monument. Each color represents a decade and the area burned during that decade. How has the fire history changed? During what decade was the most land affected by fire?



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Answer the following questions based on your class's discussion and experiment on wildfires.

1. Draw the fire triangle in the space below. How would a build up of plant material impact the fire triangle?

2. Write a prediction on which fire scenario will have the most intense wildfire.

3. In the space below record what happens in each of the different fire scenarios.

Scenario 1:

Scenario 2:

Scenario 3:

Scenario 4:

4. How is the encroachment of western juniper impacting the fire regimes at Lava Beds National Monument?

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Lava Beds Site I (Burned):

Using your observation skills, walk through the habitat and search for these habitat components. Place a tally mark next to each component each time you observe it. If there is anything interesting you come across, write a description of your findings. You will discuss the habitat results at the end.

Habitat Components	Tally	Description of Interesting Observations
Western Juniper		
Large area of sagebrush and other shrubs		
Large area of native grasses and herbs (soft stemmed plants)		
Was fire implemented here? When?		
Wildlife seen or heard		

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Lava Beds Site II (Unburned):

Using your observation skills, walk through the habitat and search for these habitat components. Place a tally mark next to each component each time you observe it. If there is anything interesting you come across, write a description of your findings. You will discuss the habitat results at the end.

Habitat Components	Tally	Description of Interesting Observations
Western Juniper		
Large area of sagebrush and other shrubs		
Large area of native grasses and herbs (soft stemmed plants)		
Was fire implemented here? When?		
Wildlife seen or heard		

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Use the information on the previous pages to answer the following questions.

1. About how many Western Juniper did you see at Site 1? Site 2?
2. What was the approximate percent of juniper, grass and sagebrush coverage across the habitat for Site 1 and 2?
3. Which site had the most open area? Why do you think it had the least amount of juniper trees?
4. Do you think that the use of fire as a management tool is effective overall? What evidence brings you to this conclusion?