

# Volcano Suspects: Description

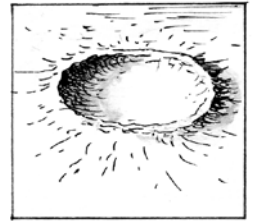
## Mount St. Helens

**Location:** Washington  
**Volcano Type:** Stratovolcano  
**Summit Height:** 2,549 m  
**Crater/Caldera Size:** 2 x 3.5 km  
**Last Known Eruption:** 2006  
**Largest Eruptive Volume:** 1 km<sup>3</sup>



## Crater Lake

**Location:** Oregon  
**Volcano Type:** Caldera  
**Summit Height:** 2,487 m  
**Crater/Caldera Size:** 8 x 10 km  
**Last Known Eruption:** ~2500 BC  
**Largest Eruptive Volume:** 35 km<sup>3</sup>



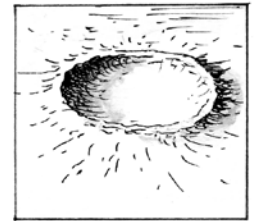
## Lassen Peak

**Location:** California  
**Volcano Type:** Stratovolcano/Dome  
**Summit Height:** 3,187 m  
**Crater/Caldera Size:** 213 x 122 m  
**Last Known Eruption:** 1921  
**Largest Eruptive Volume:** 50 km<sup>3</sup>



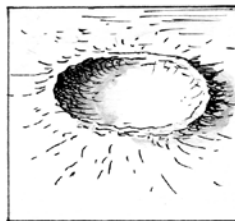
## Long Valley

**Location:** California  
**Volcano Type:** Caldera  
**Summit Height:** 3,390 m  
**Crater/Caldera Size:** 17 x 32 km  
**Last Known Eruption:** Pleistocene Era  
**Largest Eruptive Volume:** 600 km<sup>3</sup>



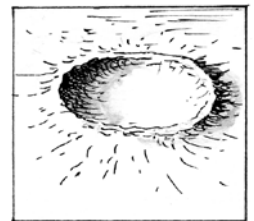
## Valles Caldera

**Location:** New Mexico  
**Volcano Type:** Caldera  
**Summit Height:** 3,430 m  
**Crater/Caldera Size:** 20 x 22 km  
**Last Known Eruption:** Pleistocene Era  
**Largest Eruptive Volume:** 600 km<sup>3</sup>



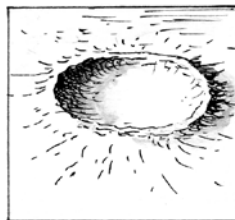
## Bruneau-Jarbridge

**Location:** Idaho  
**Volcano Type:** Caldera  
**Summit Height:** Not Applicable  
**Crater/Caldera Size:** ~80 km  
**Last Known Eruption:** Miocene Era  
**Largest Eruptive Volume:** >1000 km<sup>3</sup>



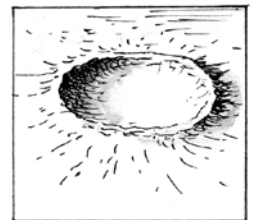
## Yellowstone Caldera

**Location:** Wyoming  
**Volcano Type:** Caldera  
**Summit Height:** 2,805 m  
**Crater/Caldera Size:** 45 x 85 km  
**Last Known Eruption:**  
 Late Pleistocene Era  
**Largest Eruptive Volume:** >2000 km<sup>3</sup>



## La Garita

**Location:** Colorado  
**Volcano Type:** Caldera  
**Summit Height:** Not Applicable  
**Crater/Caldera Size:** 35 x 75 km  
**Last Known Eruption:** Oligocene Era  
**Largest Eruptive Volume:** 5000 km<sup>3</sup>



## Questions

- 1 The eruptive volume corresponds to the explosiveness of a volcano. Which volcano had the most explosive eruption? Which volcano had the least explosive eruption?
- 2 Does there seem to be a relationship between the size of a volcano's crater/caldera and an eruption's explosiveness? Why or why not?

After you answer these questions, mark the "Volcano Suspects Table" on your "CSI: Ashfall Fossil Beds" handout with the volcano or volcanoes you feel is or are the *least* likely suspect(s) based on the data, and rate your confidence level in your answer.