

Volcanism of the Mono Basin



Panum Crater on a stormy day in July

Sandra Noll

August 31, 2019 • Nora Livingston

\$140 per person / \$130 for Mono Lake Committee members
enrollment limited to 9 participants

Mono Lake sits in a bowl made from ancient volcanic sediments and recent volcanic eruptions. Plug-dome volcanoes, underwater eruptions, and hot springs are a few of the exciting geologic features this region holds. On this one-day seminar we will visit several of the volcanic formations around the lake while learning about the bigger picture of volcanism in the Mono Basin and its role in building the landscape we see today. We will also keep our eyes and ears open for birds and other wildlife. This seminar will involve easy to moderate hiking at elevations around 6,500 feet above sea level. We will hike 2–3 miles over the course of the day, mostly on level terrain, though we will likely hike into Panum Crater, which is short and steep.

Nora Livingston is the Mono Lake Committee's Lead Naturalist Guide. She has been learning about the volcanism of the Mono Basin since she was 16 years old and continues to discover new things every year. She may not be Greg Stock (Yosemite National Park's geologist), but she's a quick study!

ITINERARY

Friday, August 31 at 8:00am: Meet at the Mono Lake Committee Information Center & Bookstore in Lee Vining. After brief introductions, we will spend the day traveling to several locations to

observe different volcanic geologic features. Possible locations include Mono Craters, Panum Crater, Black Point, and the Aeolian Buttes. This class will end around 3:00pm.

Altitude and Dehydration Cautions: Remember to bring (and drink!) lots of water because your body loses more water at the higher altitudes of the Mono Basin. Experts recommend that you begin drinking extra water as you drive to higher elevation in order to prevent dehydration and headaches. Also, the sun is rather fierce at high elevations, capable of burning even on cool and cloudy days, so be sure to protect yourself thoroughly using sunscreen, sunglasses, and hat.

MEALS

Please bring a bag/picnic lunch, snacks for the day, and plenty of drinking water.

TO BRING

- hand lens
- notebook and pen/pencil
- camera
- binoculars (optional)
- hiking poles (optional)
- appropriate field clothing: hat, sunglasses, warm layers, rain gear
- day pack including plenty of water, sunscreen, insect repellent, etc.
- packed lunch and snacks

RECOMMENDED BOOKS

- Tierney, Timothy, *Geology of the Mono Basin*, Mono Lake Committee Field Guide Series, Kutsavi Press, 1995.



Mono Lake Committee Field Seminars

P.O. Box 29 • Lee Vining, CA 93541 • (760) 647-6595 • monolake.org/seminars