

2009 GSA ANNUAL MEETING AND EXPOSITION

Lavatubes of the Mt. St. Helen's Region: Geology, Biology, and More!

CO-SPONSORED BY: National Cave & Karst Research Institute

FIELD TRIP #421

COST: US\$135

DATE OF FIELD TRIP: 10/17/2009

MAX # OF PARTICIPANTS: 20

MIN # OF PARTICIPANTS: 8

LEADER: Dr. Penelope Boston, Cave & Karst Research Program, New Mexico Tech
801 Leroy Place, Socorro, NM 87801, 505-835-5657 pboston@nmt.edu

CO-LEADER: Gus Frederick, 401 Silver, Silverton, OR 97381
imaging@norwebster.com

DEPARTURE: Oregon Convention Center, Field Trip Check-In Desk, Holladay Lobby,
Holladay Street Entrance.

TIME/DAY/DATE: Saturday, October 17, 2009. It is suggested that attendees check in one-half hour prior to departure to receive guidebook and other registration materials. Trip departs promptly at 8:00 am

ITINERARY DAY/DATE: The trip to the South side of Mt. St. Helens will take a little more than an hour. There is a possible "Pit Stop" for munchies or drinks in the town of Cougar. Our first stop will be at Ape cave, the largest of the St. Helens tubes. This will take us about two hours. We will next visit the Lava Cast forest, where we will have our lunch, and see the tree casts left from the flow. After lunch, we will explore Lake Cave, adjacent to the Lava Cast area. From there, we will proceed around the flow and stop at Kalama Springs, where the Kalama River emerges from an ancient lavatube. We will then head back to Portland and dinner at one of our uniquely Portland Brew Pubs. We should be back in town by 6:00 p.m.

COST INCLUDES: Cost includes transportation to and from the Mt. St. Helens Cave area, a specially produced trip book and box lunch.

SPECIAL INSTRUCTIONS: The temperature of the Mt. St. Helens caves stays pretty constant, in the mid-40s (f) so do wear warm clothing. Bringing sturdy hiking boots, knee pads and gloves might also be a good idea, as the cave basalt can be pretty rough. Cave helmets and headlamps will be provided, but please bring your own flashlight. For photography, bring a flash-equipped camera and tripod if desired for open-flash images.

CANCELLATION: Must be made in writing and received by the Field Trip Coordinator, GSA Headquarters, PO Box 9140, Boulder, CO 80301-9140, (303) 357-1060, by **21 September 2009** to qualify for refund. NO refunds for cancellation notices received after this date. Refunds will be processed as soon as possible after the meeting.