



Association for Women Geoscientists

AWG Field Trip to Maine, New Brunswick, & Nova Scotia

September 5-15, 2016

Join us for a beautiful and fascinating geologic tour of Maine, New Brunswick, and Nova Scotia! We'll be visiting:

- Mount Desert Island in Acadia National Park, Maine, where we will see evidence of the accretion of a micro-continent, the Avalon terrane, which occurred during the Acadian orogeny. This Devonian collision closed the southern part of the Iapetus Ocean and resulted in the formation of a high mountain range. Weathering and erosion exposed the granite core. We will also examine evidence of the action of the Pleistocene ice sheets in carving the topography of the region.
- Stonehammer Geopark in New Brunswick, Canada, for a fast tour of a billion years of Earth's history. Some of the fossil highlights of the Geopark include Precambrian stromatolites, Cambrian trilobites, Silurian fish, and Carboniferous club moss forests. The tectonic story continues here with the opening of the modern Atlantic Ocean. The Bay of Fundy, famous for its large tidal changes, fills a failed arm associated with the opening of the Atlantic Ocean.
- Joggins Fossil Cliffs in Nova Scotia, Canada, famous for Carboniferous fossils and coal. About 315 million years ago, this region was astride the equator and covered in tropical rainforests. We will see fossils of some of the plants that made up the forests of the day, as well as the animal life of the time.
- Hopewell Rocks, known for the "Flowerpot Rocks", unusually-shaped blocks of conglomerate and sandstone best explored on foot on the sea floor itself at low tide. The large rocks change each season through the actions of rain, ice, and the Bay of Fundy tides.

Please email Sue Finstick at suefinstick01@gmail.com if you would like to join this exciting adventure. The member price will be \$1750* with minimum 10 and maximum 16 participants, so don't delay! Registration forms and additional trip information and itinerary will be available online April 1 at www.awg.org/fieldtrips. A \$500 deposit is due May 2, 2016 and full payment is due July 1, 2016. You may register by mail or via the AWG online store.



Mount Desert Island, Acadia National Park. Photos by Duane Braun.

* Price includes 10 nights double-occupancy lodging; single rooms will be available for an additional \$500. Price includes breakfasts, lunches, and some dinners; it does **not** include airfare to Bangor, Maine. A limited number of student member discounts are available.