

Discovering the Geology of the Bay of Fundy Region with Ken Adams
Fridays, 9:00 am on April 16, 12:30pm on April 23 & 9:00am on April 30
3 classes starting on April 16, 2010

damskd@gov.ns.ca

Meeting Place: Fundy Geological Museum entrance, Parrsboro, NS
Maximum 25

Storm Policy: No classes when schools are closed in Sackville

Participants must provide their own transportation. Wear sturdy footwear, layered clothing, a hat, sun screen, and bring along a cool drink and a snack. All trips depart from the Fundy Geological Museum and depending on the site visited, last between three and five hours

Although not required, participants may wish to acquire copies of the Nova Scotia Geological Highway Map and "The Last Billion Years- A Geological History of the maritime Provinces of Canada". These references are available for sale at Museum.

This series of interpretive walks is intended to help participants discover the area's rich geological past and natural heritage. The region's rocks tell a story of five hundred million years of natural processes, including the formation and break up of Pangea, and how our glacial past and the formation of the Bay of Fundy has helped to shape the landscape around us.

The course is made up of three Curatorial Walks which are conducted to a variety of locations with good road and beach access, low/moderate to higher cliff sections, sand to cobble foreshore, and recognizable tide related hazards. While the primary focus of the walks is geological they are also intended to help visitors and residents learn about the area's rich geological past and natural heritage. Participants are invited to discover how five hundred million years of natural processes such as folding, faulting, fossilization, and glaciation, the formation and break up of Pangaea, a diversity of rocks minerals and fossils, the distribution of natural resources, and our glacial past have all helped to shape the landscape around us, including the formation of the Bay of Fundy. They can observe a variety of modern day flora and fauna, both marine and terrestrial, and the region has an exceptional number of interesting features such as, wetlands, tidal marshes, Acadian dykes, glacial deposits and use of stone in local buildings.

April 16 (Friday) Low tide 08:03 ADT (rising tide) High Tide 14:15 ADT

Wasson Bluff Special Place (#1): Meet at Fundy Geological Museum, **departure 9:00 ADT** (approximately 15 minute drive to Two Islands beach access).

Wasson Bluff offers Jurassic-age red sediments, lava flows, river channels, lake deposits and windblown sand dunes. Bones from some of Canada's oldest dinosaurs have been discovered in the tide washed cliffs. The local rocks tell a story of ancient seas and coal swamps, collision of crustal plates to form the super-continent of Pangea, and the development of a rift valley which contains the foot prints and bones of animals from the Dawn of the Dinosaurs.

April 23 (Friday) High Tide 08:37 ADT (Falling tide) Low Tide 14:54 ADT

Clark Head (#1): Meet at Fundy Geological Museum, **departure 12:30 ADT**

(approximately 15 minute drive to Glooscap Camp Ground parking lot). The rocks of Clark Head present a cross section through Parrsboro's geologic past. They tell of the warm tropical seas, shallow lakes and coal swamps that existed during the formation of Pangea, and the desert sands and volcanic flows deposited during the beginning of the age of dinosaurs.

April 30 (Friday) Low Tide 08:37 ADT (Rising tide) High Tide 14.47 ADT

Five Islands Provincial Park (#1): Meet at Fundy Geological Museum entrance, **departure 09:00 ADT** (approximately 45 minute drive to Five Islands Provincial Park beach access parking lot).

The cliffs at Five Islands Provincial Park tell a story of Triassic sand dunes, Jurassic lava flows and lake deposits from the age of dinosaurs. The spectacular faults and rocks exposed along the shore, near the *Old Wife*, are dramatic evidence for the break up of the super continent Pangea.

Some people are very sensitive to perfumes and other scents. Please respect a scent free environment by not using scented products. Thank you.

A note to seniors about class attendance and absenteeism....

As you know, our instructors are all volunteers, who work very hard at putting courses together. Your cooperation is appreciated in letting them know if you are unable to attend any of the classes as most instructors plan weekly classes that are appropriate to the number of registered students in the course.

If circumstances change between registration and the first class, or if you decide to withdraw after the first or second class, please email tsccordinator@nbnet.nb.ca or call 364-2780. Many courses have a wait list and this could allow someone else to take your place.

Sometimes, seniors have travel plans or medical appointments made in advance. It would help instructors to know this at registration, if possible, so that class material may be adjusted accordingly. Illness, as well as other unanticipated and unavoidable conflicts can occur. If you are able, please let your instructor know as soon as possible if you will miss a class.

Thank you!