

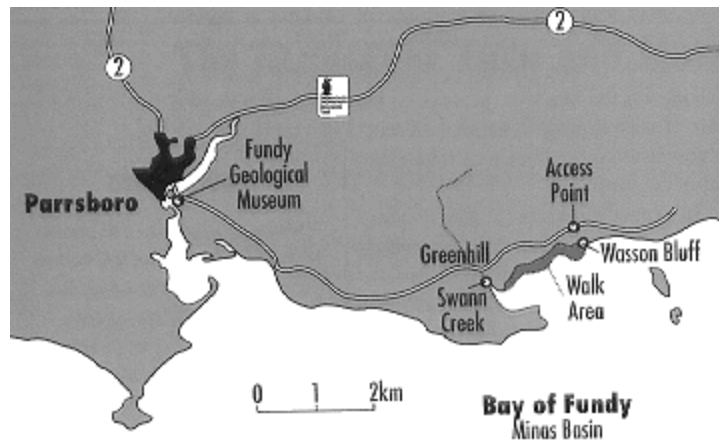
Tantramar Seniors' College Course:

“Escorted Geological Nature Walks”

(Spring 2011 Session)

Ken Adams, Director/Curator of the Fundy Geological Museum will offer a series of interpretive tours as part of the Spring 2011 Tantramar Seniors College Curriculum. While the primary focus of the walks is geological they are also intended to help participants learn about the area's rich geological past and natural heritage.

Tours depart from the Museum, last between two and three hours depending on length of drive to the site visited, and are planned in accordance with the tide schedule. The walks 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.



Participants must provide their own transportation. Bring sturdy footwear, layered clothing, a hat, sun screen, and a cool drink and a snack. Some tours may have to be cancelled due to weather conditions. Participants should call the Museum at 1-866-856-DINO.



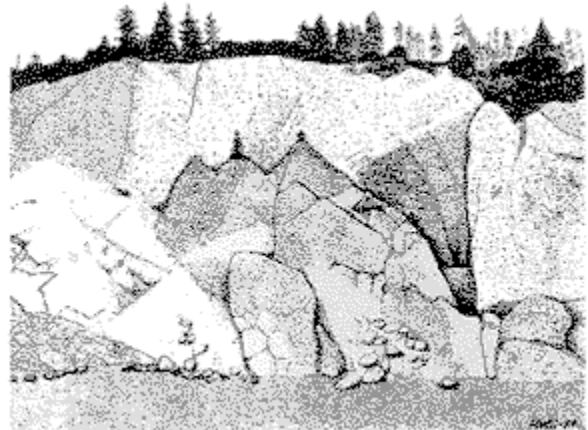
Five hundred million years of geological history are recorded in the rocks, minerals and fossils around us. The formation and break up of Pangea and our glacial past have shaped the landscape, including the formation of the Bay of Fundy. The region has an exceptional number of interesting natural and cultural heritage features such as, wetlands, tidal marshes, Acadian dykes, glacial deposits and use of stone in local buildings.

1. **April 21** **Wasson Bluff Special Place**
2. **April 28** **Wards Beach-Brookville Rock**
3. **May 5** **Partridge Island-East Bay**
4. **May 12** **Five Islands Provincial Park**
5. **May 19** **Red Rocks-McGahey Brook, Cape Chignecto Provincial Park**
6. **May 26** **Ram's Head-West Bay**
7. **June 3** **Clark Head**
8. **June 10** **Spicers Cove, Cape Chignecto Provincial Park**
9. **June 17** **Partridge Island-East Bay**

April 21 (Thursday) Low Tide 09:44 ADT (rising tide) High Tide 15:56 ADT

Wasson Bluff Special Place: Meet at Fundy Geological Museum, departure 9:30 am (approximately 15 minute drive to the Two Islands beach access).

Wasson Bluff offers Jurassic-age red sediments, lava flows, river channels, lake deposits and wind blown 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 28 (Thursday) High Tide 9:56 ADT (falling tide) Low tide 16:14 ADT

Wards Beach-Brookville Rock: Depart FGM at 9.30 am (approximately 25 minute drive to Port Greville).

This walk provides an opportunity to explore the internal “anatomy” of a fault zone. View where continents collided, crushing and mixing Coal Age sediments and older rocks together during the formation of Pangea. Bring along a camera as there are spectacular views of Cape Split and Brookville Rock.

May 5 (Thursday) Low Tide 08:46 ADT (rising tide) High Tide 14:58 ADT

Partridge Island-East Bay: Meet at Fundy Geological Museum, departure 9:30 am, (approximately 15 minute drive to Partridge Island beach access).

The rocks of East Bay-Partridge Island 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.

May 12 (Thursday) High Tide 08:41 ADT (falling tide) Low tide 14:58 ADT

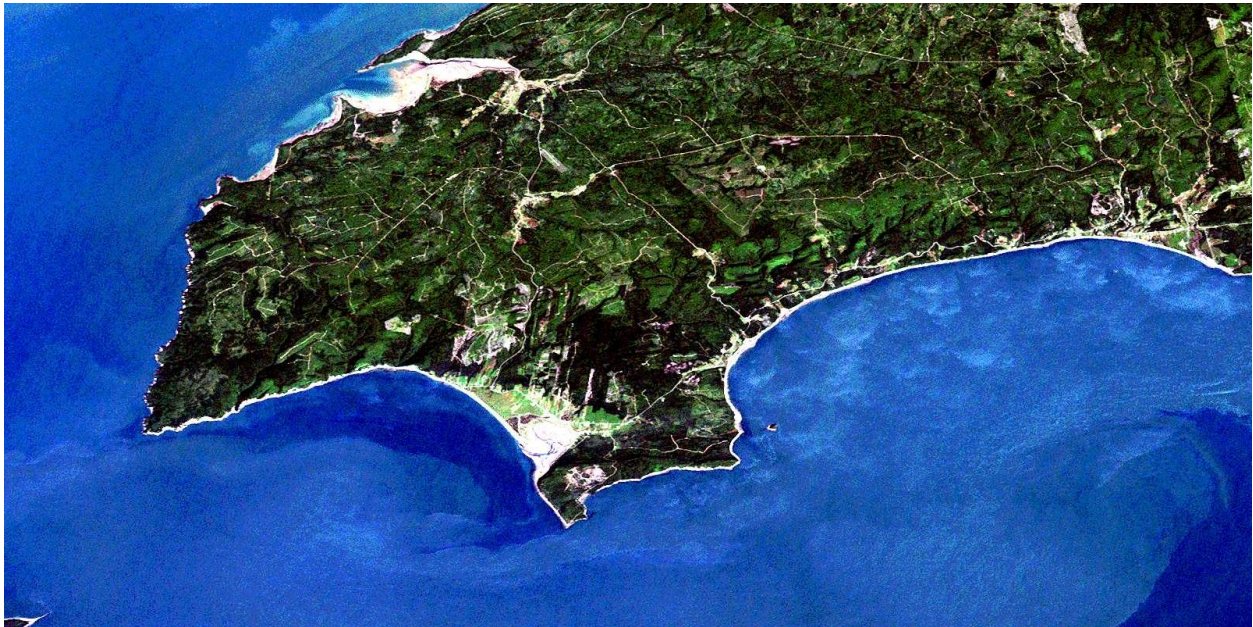
Five Islands Provincial Park: Meet at Fundy Geological Museum, departure 10:30 am (approximately 45 minute drive to Five Islands Provincial Park beach access parking lot).

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.

May 19 (Thursday) Low Tide 07:52 ADT (rising tide) High Tide 14:04 ADT

Red Rocks-McGahey Brook, Cape Chignecto Provincial Park: Depart FGM at 9.30 am approx 45 minute drive to Park entrance at Red Rocks, West Advocate.

The Cobeguid-Chedabuctou fault zone which extends across Nova Scotia from Chedabuctou Bay to Advocate Harbour marks the collision of ancient North America with an ancient African continent 400 million years ago. The spectacular folds and faults exposed along the shore, between Red Rock and McGahey Brook, are mute evidence of the birth of the super continent of Pangea.



Cape Chignecto

May 26 (Thursday) High Tide 08:11 ADT (falling tide) Low tide 14:22 ADT

Ram's Head-West Bay: Depart FGM at 11:30 am (It is an additional 30 minute drive to Diligent River from this point. Bring change of foot gear, snack and sunscreen).

The rocks of Ram's Head-West Bay area present a cross section through Parrsboro's geologic past. They tell of the warm tropical coal swamps, rivers and shallow lakes that existed during the formation of Pangea before the beginning of the age of dinosaurs. This area has some of the most spectacular exposures of amphibian track ways to be found in the Parrsboro area.

June 3 (Friday) Low Tide 08:23 ADT (rising tide) High Tide 14:35 ADT

Clark Head: Meet at Fundy Geological Museum, departure 9:30 pm (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.

June 10 (Friday) High Tide 08:08 ADT (falling tide) Low tide 14:20 ADT

Spicers Cove, Cape Chignecto Provincial Park: Depart FGM at 9.30 am (It is an additional hour drive to Spicers Cove from this point, break at Red Rocks, West Advocate). At Spicers Cove, walk through a Coal Age fossil forest, see volcanic flows, spectacular faults, igneous dykes, raised beaches, sea stacks, seals and sea ducks.

June 17 (Friday) Low Tide 08:23 ADT (rising tide) High Tide 14:32 ADT

Partridge Island-East Bay: Meet at Fundy Geological Museum, departure 9:30 am, (approximately 15 minute drive to Partridge Island beach access).

The rocks of East Bay-Partridge Island 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.

March 3/11 Revisions

Storm Policy: No classes when schools are closed in Amherst

Scent-Free: Some people are very sensitive to perfume and other scents. Please respect a scent-free environment by not using scented products. Thank you.

Attendance/Absenteeism: Our instructors are volunteers who work very hard putting courses together. Your cooperation is appreciated in letting them know by email or phone if you are unable to attend classes as most instructors plan for the number of students registered 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 e-mail the coordinator at tsccordinator@nbnet.nb.ca or call her at 506-364-2780. Many courses have a wait list and this could allow someone else to take your place.