

August 2019

## What's New.....



Professor Grant Wach

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### Compass Minerals & Dalhousie University



Phil Sedore, Darragh O'Connor, Max Angel, Vittorio Masselli and Maya Soukup recently accompanied Prof. Grant Wach on a tour of the Compass Minerals solution salt mine near Amherst. We would like to thank Fasih Hattak for his hospitality and a great tour of the facility!

### Congratulations!

Congratulations to Trevor B. Kelly from the Basin & Reservoir team. His manuscript has been accepted by the Canadian Journal of Earth



Sciences. Kelly, T.B. and Wach, G.D. 2019. Analysis of Factors Influencing the Interpretation of a Digitally Examined Fluvial Meanderbelt System: Joggins Formation, Nova Scotia. Canadian Journal of Earth Sciences, V#: #-#. DOI: 10.1139/cjes-2018-0263

### Thank-you for the Support!

Professor Grant Wach and his research team in the Basin and Reservoir Lab at Dalhousie University would like to thank Petroleum Experts for their in-



**Petroleum Experts**

kind donation of the MOVE Suite structural modelling and analysis software. MOVE provides a full digital environment for best practice structural modelling to reduce risk and uncertainty in geological models. The MOVE suite provides a platform for integrating and interpreting data, cross-section construction, 3D model building, kinematic restoration and validation, geomechanical modelling, fracture modelling, fault response modelling, and fault and stress analysis. The total amount of this donation is £1,334,160.00. We are grateful for their support!



## ECO Kayaking Geology Trip

Team members from the Basin and Reservoir Lab, joined Grant Wach for a two-hour kayaking tour in Lower Prospect, Nova Scotia at East Coast Outfitters. Dr. Wach gave an introduction to some of the beautiful geology we can see along the spectacular shoreline of Nova Scotia which included the Devonian granite formations and boulders that were caused by magma crystallization and shaped by glaciers.



Examining Glacially shaped granites at Lower Prospect



## Minas Basin Field Trip

In mid July, a field trip to Cambridge Cove and Rainy Cove, was headed by Grant Wach and members of the team. The trip was designed to familiarize Dr. Vittorio Masselli, with the stratigraphy class Field trip areas. Dr. Masselli will be filling in for Dr. Wach's Strat3303 course in the fall. Using Vittorio's drone, the team took new out crop panoramas.



Drone image



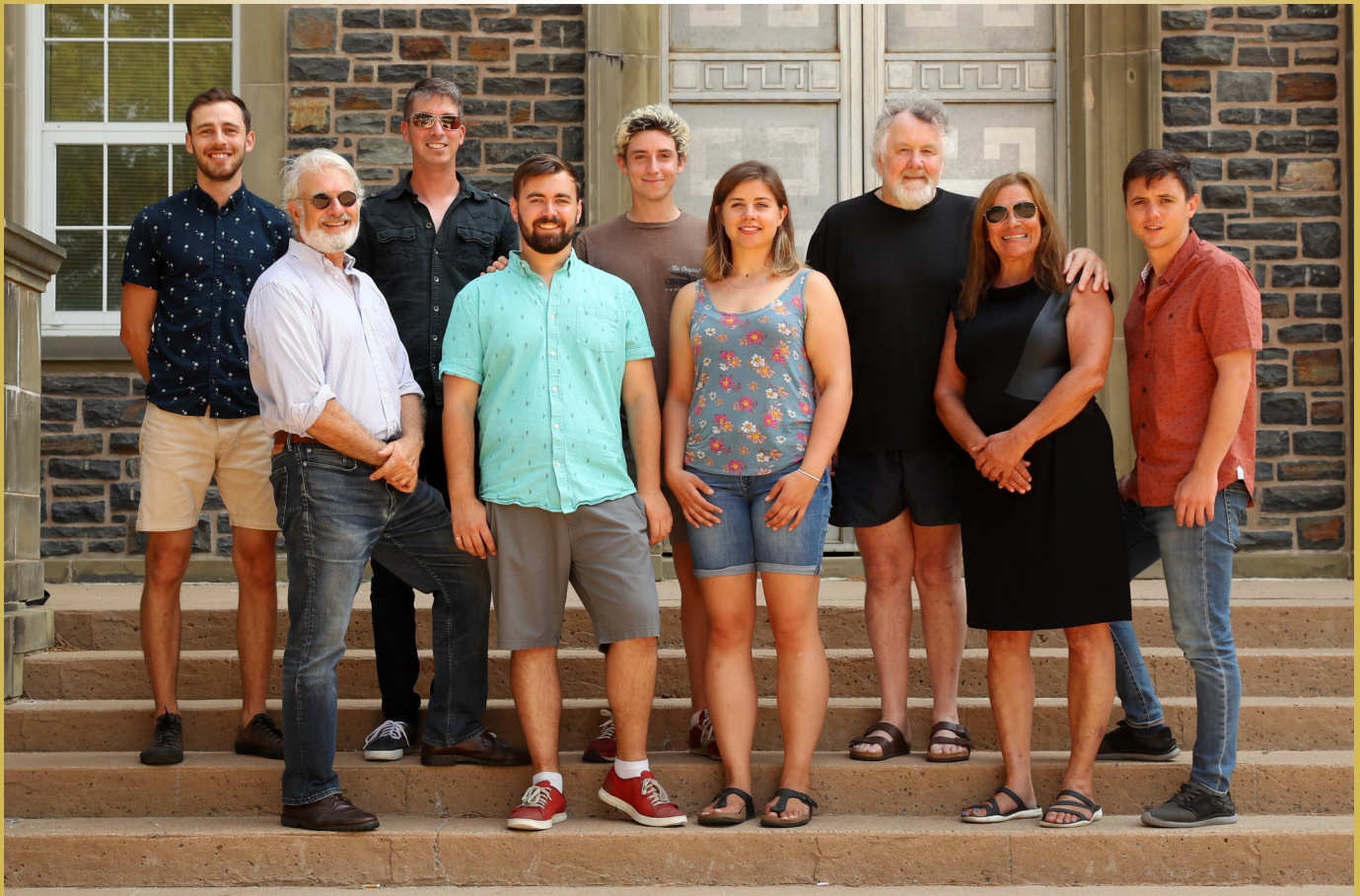
Team in the field



## In the Field



At the end of July, Grant Wach, Darragh O'Connor, Trevor Kelly, Max Angel, Ryan Taylor & Phil Sedore were in the field in Lakeland, Nova Scotia. Using the lab's GPR (Ground Penetrating Radar) equipment, the Team was assisting Lakeland Anglican Church, near Mt. Uniacke, with water drainage issues in their cemetery. The church was founded in 1845.



**From the Basin & Reservoir Team; Thank-you For Your Continued Support!**