

Overview of Activities Undertaken as Part of the Coastal Geology Program

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Under the Coastal Geology Program, common activities include assessment of geohazards as they relate to public health and safety; historical, present and future erosion typically occurring in coastal environments; and assessments of present and future infrastructure sustainability. The studies include identifying causative factors, frequency and magnitude of events, hazard levels, and recommendations for preventative measures to reduce or ameliorate hazards and other issues, such as sustainability and costs identified during site visits.

During 2015 new field-based studies were undertaken at Blomidon Provincial Park, Kings County; Battery Point Provincial Park, Richmond County; Five Islands Provincial Park, Colchester County; and Conrads Beach Provincial Park, Halifax County. Minor field work was also undertaken along the Northumberland Shore of Cumberland County. The work was undertaken as part of the planning process for a project to investigate methods for characterizing large areas of coastline in conjunction with establishing multi-decade-long methods of measuring rates and styles of coastal erosion.

The following open file reports were released in 2015:

- A Geological and Coastal Vulnerability Analysis of Point Michaud Provincial Park, Richmond County, Nova Scotia
- An Examination of Coastal Erosion and its Impact on the Point Hood Station Provincial Park and Beach, Inverness County, Nova Scotia

The following open file reports, based on field work undertaken during fiscal 2014/15, were completed during 2015 and are scheduled for release by June 2016:

- An Analysis of Coastal Erosion and the Impacts of Potential Mitigation Measures at the United Church Cemetery, Ingonish, Victoria County, Nova Scotia
- Geological Evaluation of Coastal Armouring Between Judique and Long Point, Southern Inverness County, Nova Scotia

Three additional reports, which were not previously publicly released, were edited and are scheduled to be released by June 2016:

- A Review of the Geology, Mining, Production and Market Opportunities for Quartz, Kaolin and Mica with Reference to the White Rock Mine, Yarmouth County, Nova Scotia
- Geotechnical Aspects of Shoreface Erosion and Causeway Deterioration at Graves Island Provincial Park, Nova Scotia
- Geological and Geotechnical Observations Relating to Beach Stability and Sustainability of the Beach Access Stairways, Rissers Beach Provincial Park, Nova Scotia