

Climate Resilient Natural Infrastructure Workshop Fieldtrip Agenda

May 4-5, 2019. Nova Scotia & New Brunswick, Canada

Purpose: This is an overnight fieldtrip that explores the dynamics of the Bay of Fundy and various phases of managed dyke realignment. Over two days we will be offering knowledge mobilization and tech-transfer around the site selection, design, and implementation of managed dyke realignment and working within the challenging Bay of Fundy system.

We'll explore three unique managed dyke realignment sites within the Bay of Fundy that are at various stages of implementation: North Onslow/Truro which has not yet been breached; Converse, which was recently breached; and finally, Aulac, which was previously breached.

Each of these three sites offers a unique perspective around the site selection process, lessons learned, challenges, and outcomes.

What to Expect: This will be a busy two days as we explore the Bay of Fundy and our coastal restoration sites. There will be a lot of time on the bus but be prepared to walk as some of the site roads may be inaccessible this time of year. Light snacks and meals will be provided throughout, and stops are planned where you will be able to purchase food and drinks on your own. As this is a field trip, we will be spending time outdoors, rain or shine, so please come prepared with clothes you don't mind getting dirty and that will be appropriate in a variety of weather conditions. Given that we will be visiting sites in the Bay of Fundy, we can expect muddy conditions—rubber boots are the best option for footwear, please let us know ASAP if you do not have any and we will try to accommodate. As one of our sites is still active, we will have safety vests available for all participants which you are expected to wear while on site.

Packing List:

- Rain gear (boots, rain wear)
- Sunscreen/bug spray
- Water bottle (we'll provide the water)
- Hat, sunglasses
- Extra clothes—including field clothes that can get dirty, layers to keep warm, etc.
- Ample favorite snacks
- Beverages for the evening event (there will be a stop along the way, but options could be limited)
- Photos, videos, and your own "stories from the field" to share with the group at the evening reception



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Agenda—Saturday, May 4th 2019

Time	Activity	Special Notes
9:30am	Meet at Saint Mary's University (5932 Inglis St)	Sign waiver form
10:00am	Depart Halifax from Saint Mary's University	
11:45-2:30 pm	Truro: Tidal Bore lunch and North Onslow Site Visit	<i>Phase: Unbreached.</i> Lunch and discussion at Tidal Bore Visitor Centre (Bay of Fundy tides, bores and currents, coastal processes, etc.); visit North Onslow site—overview of dykelands, managed realignment, processes, challenges, and outcomes.
3:00 – 3:30 pm	Stop at Masstown Market	Bathroom break, pick up snacks and beverages
4:30pm	Arrive at Mount Allison	Check-in at the Thornton House and opportunity to change from field clothes
5:15pm	Presentation at Mt. Allison	History of the Chignecto Isthmus, integration of archeology into restoration design (legal, practical, ethical)
6-7pm	Dinner	Provided by Mount Allison
7:30pm	Shared experiences from the field	Mount Allison Lounge (drinks are permitted) – oral stories and PP slides

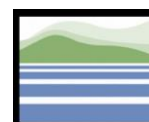
Agenda—Sunday, May 5th 2019

Time	Activity	Special Notes
7:30am	Breakfast	Provided by Mount Allison
8:00am	Leave Mount Allison	
8:30am - 11:00am	Aulac Managed Realignment Site	<i>Phase: Previously breached (2010).</i> Overview of site, restoration process, etc. Field Stations: Sedimentary Processes: Jeff Ollerhead; Blue Carbon: Gail Chmura; Vegetation and other indicators: Greg Norris
11:00am	Depart Aulac	Bathroom break at Big Stop
11:30-12:15	Beaubassin and Fort Lawrence National Historic Site	Lunch and discussion about history and changes to the dykeland landscape, historical and contemporary dykeland practices.
12:30pm - 3:30pm	Converse Managed Realignment site	<i>Phase: Recently breached (Dec 2018).</i> Overview of the history of the site, restoration process, successes, challenges; Site walk – dyke, borrow pit, breach and initial restoration phases. Discussion and demonstration of application of instrumentation including drones, considerations for design and model validation.
6:00pm	Arrive in Halifax	



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