



ACCESS-BoFEP 2022

Atlantic Canada Coastal and Estuarine Science Society

Bay of Fundy Ecosystem Partnership

**Cox Institute of Agricultural Technology
Dalhousie University
50 Pictou Road, Truro, NS**

May 17-21, 2022

Program

Sponsored by:



Canada 
Environment and
Climate Change Canada
Fisheries and Oceans
Canada

Program at a Glance

	Tuesday, May 17	Wednesday, May 18	Thursday, May 19	Friday, May 20	Saturday, May 21
8:00		Registration		Registration	Optional self-guided field trip
8:15			Registration	Registration	
8:30		Welcoming remarks			
8:45					
9:00		Plenary 1 <i>Ocean and Climate Literacy - Strengthening the Linkage Between Ocean Education and Climate Change Action in Our Coastal Waters</i> Dr. Wendy Watson-Wright	Plenary 2 <i>The World is Our Oyster: Presence, Partnerships, and Patience</i> Dr. Rod Beresford and Anita Basque	Session 6 <i>Nature-Based Solutions</i>	
9:15					
9:30					
9:45					
10:00		Morning break	Morning break	Morning break	
10:15					
10:30				Session 7 <i>Parasites</i>	
10:45					
11:00		Session 1 <i>Research in the Bay of Fundy - Then and Now</i>	Session 3 <i>Terrestrial Land Use and Aquaculture</i>	Session 8 <i>Isotopic Advances in Marine Ecology</i>	
11:15					
11:30					
11:45					
12:00		ACCESS AGM / Lunch break	Lunch break	Lunch break	
12:15					
12:30					
12:45					
13:00	Pre-conference workshop <i>Introduction to systematic reviews and meta-analyses</i> Dr. Jeff Clements	Session 2 <i>Ecology of the Bay of Fundy</i>	Session 4 <i>Natural and Anthropogenic Stressors</i>	Session 9 <i>Physical Processes</i>	
13:15					
13:30					
13:45					
14:00					Afternoon break
14:15					
14:30			Afternoon break	Afternoon break	
14:45				Session 10 <i>Ocean Literacy, Natural History, and Ecology</i>	
15:00		Session 2 (continued) <i>Ecology of the Bay of Fundy</i>	Session 5 <i>It's in the Genes</i>		
15:15					
15:30					
15:45				Awards and Closing	
16:00		Panel Discussion 1 <i>Ocean and Climate Literacy - Strengthening the Linkage Between Ocean Education and Climate Change</i>	Panel Discussion 2 <i>ResNet: Understanding Ecosystem Service Delivery to Inform Dykeland Decision-making</i>		
16:15					
16:30					
16:45					
17:00		Poster Session 1	Poster Session 2		
17:15					
17:30					
17:45					
18:00					
18:15					
18:30					
18:45					
19:00	Welcoming Social <i>Cash bar available</i>		Public Town Hall <i>Implications of Sea Level Rise and the Isthmus of Chignecto</i>		
19:15					
19:30					
19:45					
20:00					
20:15					
20:30					
20:45					



ACCESS-BoFEP 2022 PLENARIES



Wednesday, May 18th

Ocean and Climate Literacy - Strengthening the Linkage Between Ocean Education and Climate Change Action in Our Coastal Waters

Dr. Wendy Watson-Wright
Founder and CEO, 7 Mile Bay
Vice Chair, United Nations GESAMP



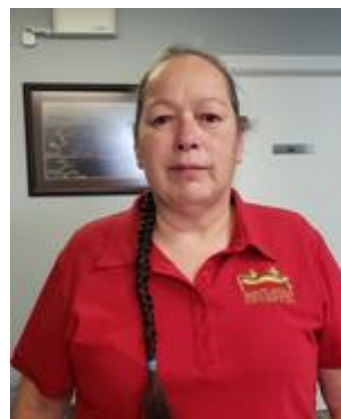
Thursday, May 19th

The World is Our Oyster: Presence, Partnerships, and Patience

Dr. Rod Beresford
Assistant Professor
Cape Breton University



Anita Basque
Band Councilor
Potlotek First Nation





ACCESS – BoFEP 2022 Conference Public Panel

Implications of Sea Level Rise on Flooding in Colchester County

 Thursday May 19th at 7:00-8:30pm

 50 Pictou Road, Cox Institute of Technology (Dalhousie Agricultural Campus) Room 383

Our Panelists



Jason Fox
Director of Planning and Development Services for the town of Truro



Dr. Tim Webster
Applied Geomatics Researcher, NSCC



Satya Ramen
Senior Policy Analyst with the NS Department of Environment and Climate Change



Dr. Stephen Ellis
MP Colchester-Cumberland

Our Moderator



Dr. Sarah Stewart-Clark
Associate Professor, Dalhousie University

ACCESS-BoFEP Program

Tuesday May 17, 2022

- 12:00 13:00** **Registration**
Cox Institute, outside Room 383
Poster presenters are encouraged to put up posters in Room 354
- 13:00- 16:00** **Workshop: Introduction to Systematic Reviews and Meta-Analyses**
Cox Institute, Room 383
Conference registration required for admission
Workshop leader: Dr. Jeff Clements, DFO
- 19:00 – 21:00** **OPENING SOCIAL – cash bar**
Cummings Hall, CA Douglas Board Room and Mezzanine outside of it in (*Cummings Hall is close to the dorms*)
Registration

Wednesday, May 18, 2022

- 8:00** **Registration**
Cox Institute, outside Room 383
- 8:30** **Opening remarks, intro to meeting and Sessions**
(Cox Institute, Room 383, location of all sessions and plenaries and panels)
- 9:00** **Plenary 1 (Room 383)**
OCEAN AND CLIMATE LITERACY - STRENGTHENING THE LINKAGE BETWEEN OCEAN EDUCATION AND CLIMATE CHANGE ACTION IN OUR COASTAL WATERS
Dr. Wendy Watson-Wright
- 10:00** **Break (catered, Room 360) and**
Poster Viewing (Rooms 354 & 356)
*For posters and all sessions: *Presenter if not first author; (G) Candidate for graduate student presentation prize; (U) Candidate for undergraduate student presentation prize*
- Session 1: *Research in the Bay of Fundy - Then and Now* (Room 383)**
Chair: Gail Chmura
- 10:30** **Peter Wells**
CELEBRATING BOFEP'S 25TH ANNIVERSARY - REFLECTIONS AND FUTURE STEPS TO ENHANCE OCEAN AND CLIMATE LITERACY
- 10:45** **Sondra Eger (virtual presentation)**
AN OVERVIEW OF INTERESTS, RESEARCH AND ACTIVITIES IN THE MINAS BASIN AND INNER BAY OF FUNDY OVER THE PAST 30 YEARS
- 11:00** **Tim Webster**
QUANTIFYING INTERTIDAL MUDFLATS AND SALT MARSHES IN THE INNER BAY OF FUNDY PRE AND POST DYKES
- 11:15** **(G) Swarna Naojee (virtual presentation)**
SALTMARSH VEGETATION MAPPING USING SENTINEL-2 IMAGERY IN ATLANTIC CANADA)
- 11:30** **Christopher Ross**
OPEN THE FLOODGATES: UNDERSTANDING EFFECTS FROM THE MANIPULATION OF A TIDAL WATER CONTROL STRUCTURE
- 11:45** **(G) Paige Levangie**
FILLING THE GAP: MARINE SPATIAL PLANNING FOR MINAS BASIN EBSA
- 12:00** **Lunch (catered, Room 360)**
ACCESS AGM (Room 383)
Poster Viewing (Rooms 354 & 356)

Session 2: *Ecology of the Bay of Fundy* (Room 383)

Chair: Jeff Clements

- 13:00** (G) **Alexandra Dickey**
AN INTER-CONNECTED BENTHIC TO PELAGIC BASELINE OF THE BAY OF
FUNDY MARINE FOOD WEB
- 13:15** **Jeremy Ludholm**
POTENTIAL ROLE OF ICE BLOCKS AND WRACK ON SEDIMENT AND PLANT
TRANSPORT IN TIDAL MARSHES
- 13:30** (G) **Megan Elliot**
THE CONNECTIONS BETWEEN TEMPORAL VARIATION OF MANAGED
REALIGNMENT INLET CONDITIONS AND DEPOSITION VARIATION ACROSS A
RESTORED MARSH SURFACE
- 13:45** (G) **Gregory Norris**
COMPARISON OF EARLY VEGETATION DYNAMICS IN SALT MARSH
RESTORATIONS WITH DIFFERENT INITIAL CONDITIONS
- 14:00** (G) **Allie Hjort**
MOVEMENT AND HABITAT USE OF LATE SEASON MIGRANT SHOREBIRDS IN
MARITIME CANADA
- 14:15** **Diana Hamilton**
BREEDING ORIGIN OF SEMIPALMATED SANDPIPERS STAGING IN THE BAY OF
FUNDY AND NORTHUMBERLAND STRAIT DURING SOUTHBOUND MIGRATION
- 14:30** **Break (catered, Room 360) and
Poster Viewing, Rooms 354 & 356**

Session 2 (continued): *Ecology of the Bay of Fundy* (Room 383)

Chair: Jeff Clements

- 15:00** (G) **Kiana Endresz (virtual presentation)**
FISH USE OF SALT MARSHES IN A MEGATIDAL AND MICROTIDAL
ENVIRONMENT
- 15:15** (G) **Lindsay Carroll**
USING TELEMETRY TO DEEPEN KNOWLEDGE OF FROSTFISH (*MICROGADUS
TOMCOD*, PUNAMU) AND THEIR SPAWNING MIGRATIONS IN BAY OF FUNDY
TIDAL RIVERS
- 15:30** **Andrew Guerin (virtual presentation)**
ESTABLISHING A BASELINE FOR BENTHIC INVERTEBRATE COMMUNITY
MONITORING IN SAINT JOHN HARBOUR, NEW BRUNSWICK
- 15:45** (G) **Samantha McGarrigle**
INFAUNAL INVERTEBRATE COMMUNITY RESPONSE TO ALTERED SEDIMENT
CARBONATE CHEMISTRY IN THE BAY OF FUNDY
- 16:00** **Panel Discussion 1-** (Room 383)
*Ocean and Climate Literacy - Strengthening the Linkage Between Ocean
Education and Climate Change*
Moderator: Mike Butler, Director of the International Ocean Institute – Canada,
Dalhousie University
Panelists: Kerri McPherson, Laura Barrett, Sondra Eger, Phillip J. Prosper
- 17:00-18:00** **Poster Session- Rooms 354 & 356**

Thursday May 19, 2022

8:00 **Registration**
Cox Institute, outside Room 383

9:00 **Plenary 2** (Room 383)
THE WORLD IS OUR OYSTER: PRESENCE, PARTNERSHIPS, AND PATIENCE
Dr. Rod Beresford
Anita Basque

10:00 **Break (catered, Room 360) and**
Poster Viewing, Rooms 354 & 356

Session 3: *Terrestrial Land Use and Aquaculture* (Room 383)

Chair: TBD

10:30 **Robert France**
MODELING REFORESTATION'S ROLE IN CLIMATE-PROOFING WATERSHEDS IN NOVA SCOTIA FROM FLOODING AND SOIL EROSION

10:45 **Robert France**
CLIMATE CHANGE PREDICTIONS OF INCREASED WATERSHED FLOW IN ATLANTIC CANADA: IMPLICATIONS FOR SURFACE WATER VULNERABILITY AND AMELIORATIVE LAND USE MANAGEMENT

11:00 **(G) Stormy Vandeplass**
EFFECTS OF AN AQUACULTURE FISH FARM TO THE SEDIMENT GEOCHEMISTRY OF A NATURALLY ANOXIC BASIN

11:15 **Victoria Cluney**
GROWTH AND SURVIVAL OF BLUE MUSSELS CAGED IN SAINT JOHN HARBOUR, NEW BRUNSWICK

11:30 **(G) Marianna Rampaul**
DIFFERENTIAL GENE EXPRESSION IN SHRIMP (*PANDALUS BOREALIS*) AND CRAYFISH (*FAXONIUS PROPINQUUS*) TREATED WITH DSRNA AND NANOPARTICLE ANTIVIRAL PROPHYLACTICS

11:45 **Benjamin de Jourdan**
ACUTE TOXICITY OF A TIRE RUBBER-DERIVED CHEMICAL, 6PPD-QUINONE TO ATLANTIC SALMON (*SALMO SALAR*)

12:00 **Lunch (catered, Room 360)**
Poster Viewing, Rooms 354 & 356

Session 4: *Natural and Anthropogenic Stressors* (Room 383)

Chair: Peter Wells

13:00 **(G) Krista Beardy**
MICROPLASTIC CONTAMINATION IN COASTAL REGIONS OF THE SOUTHERN GULF OF SAINT LAWRENCE

- 13:15 **Ashok Deshpande (virtual presentation)**
MARINE MICROPLASTICS QUEST WITH A NOVEL METHOD OF PYROLYSIS GAS CHROMATOGRAPHY-MASS SPECTROMETRY
- 13:30 **(G) Stephanie Hall**
THE EFFECTS OF ACUTE HYPOXIA STRESS ON TRANSCRIPTOMIC RESPONSE OF BLUE MUSSEL (*MYTILUS EDULIS*)
- 13:45 **Danielle Philibert**
DETERMINING THE IMPACT OF POLYCYCLIC AROMATIC COMPOUND EXPOSURE ON *FUCUS VESICULOSIS* USING A GERMINATION ASSAY
- 14:00 **Jeff Clements**
MUSSELS IN HOT WATER: THE BEHAVIOURAL ECOLOGY OF TEMPERATE MUSSELS UNDER OCEAN WARMING AND ACIDIFICATION
- 14:15 **Jim Fourqurean**
TWENTY-FIVE YEARS OF SEAGRASS MONITORING IN SOUTH FLORIDA: WATER QUALITY, HURRICANE DISTURBANCE AND STOCHASTICITY
- 14:30 **Break (catered, Room 360) and
Poster Viewing, Rooms 354 & 356**

Session 5: *It's in the Genes* (Room 383)

Chair: Sarah Stewart-Clark

- 15:00 **(G) Mark Saunders (virtual presentation)**
VALIDATING THE USE OF ENVIRONMENTAL DNA TO CHARACTERIZE FISH COMMUNITIES IN EUTROPHIC TEMPERATE ESTUARIES
- 15:15 **(G) Eke Kalu (virtual presentation)**
EFFECTS OF NUTRIENT ENRICHMENT AND FORAGING BY INVERTEBRATES AND SHOREBIRDS ON MICROBIAL COMMUNITIES IN A HYPERTIDAL MUDFLAT
- 15:30 **(G) Matthew Penney**
POPULATION GENOMIC ANALYSIS OF THE ATLANTIC SEA CUCUMBER (*CUCUMARIA FRONDOSA*) FROM ATLANTIC CANADA TO ICELAND
- 16:00 **Panel Discussion 2- Room 383**
ResNet: Understanding Ecosystem Service Delivery to Inform Dykeland Decision-making
Moderator: Jeff Ollerhead
Panelists: Kate Sherren, Jeremy Lundholm, Danika van Proosdij, Lara Cornejo, CBWES
- 17:00-18:00 **Poster Session, Rooms 354 & 356**
- 19:00- 20:30 **Public Town Hall (Cox Institute, Room 383)**
Implications of Sea Level Rise and the Isthmus of Chignecto
Moderator: Sarah Stewart-Clark
Panelists: Tim Webster, MP Stephen Ellis, Satya Ramen, Jason Fox

Friday May 20, 2022

8:00 **Registration**
Cox Institute, outside Room 383

Session 6: *Nature-Based Solutions* (Room 383)

Chair: Fraser Clark

- 9:00** **(G) Kendra Sampson (virtual presentation)**
ASSESSING SPOROBOLUS ARBUSCULAR MYCORRHIZAL COLONIZATION AND RHIZOSPHERE CARBON STOCKS ACROSS A SALT MARSH CHRONOSEQUENCE IN THE BAY OF FUNDY, NOVA SCOTIA
- 9:15** **Holly Abbandonato**
CARBON STOCKS AND LOSS ON IGNITION (LOI): ARE WE MISESTIMATING BLUE CARBON IN SALT MARSHES?
- 9:30** **(G) Arunabha Dey**
FATE OF CALCIUM CARBONATE IN DRAINED SALT MARSH SOILS
- 9:45** **Danika van Proosdij**
THE TIDES THEY CAME A CRASHING: TIDAL FLOW RETURNS TO ONSLOW-NORTH RIVER DYKELAND
- 10:00** **Break (catered, Room 360) and**
Poster Viewing, Rooms 354 & 356

Session 7: *Parasites* (Room 383)

Chair: Fraser Clark

- 10:30** **(G) Samantha Stevens (virtual presentation)**
EFFECTS OF HELMINTH INFECTION ON EUROPEAN GREEN CRAB (*CARCINUS MAENAS*) AND ATLANTIC ROCK CRAB (*CANCER IRRORATUS*) BEHAVIOUR
- 10:45** **(G) Stephanie Scott**
AUTOFLUORESCENCE APPLICATION FOR INTEGRATIVE DIAGNOSTICS AND ELUCIDATING DEVELOPMENTAL PROCESS OF THE SWIMBLADDER NEMATODE *ANGUILLICOLA CRASSUS* IN AMERICAN EELS (*ANGUILLA ROSTRATA*)

Session 8: *Isotopic Advances in Marine Ecology* (Room 383)

Chair: TBD

- 11:00** **(G) Emma Bowser**
INTERSPECIFIC AND INTRASPECIFIC RESOURCE USE AND PARTITIONING AMONG FISH IN FRESHWATER TIDAL ZONES
- 11:15** **(G) Emily Weigum**
LINKING DECLINING ATLANTIC SALMON (*SALMO SALAR*) POPULATIONS WITH MULTIDECADAL CHANGES IN THEIR MARINE FORAGING ECOLOGY
- 11:30** **Rachel Forbes**
STABLE ISOTOPE ANALYSIS OF BALEEN FROM NORTH ATLANTIC RIGHT WHALE (*EUBALAENA GLACIALIS*) REFLECTS DISTRIBUTION SHIFT TO THE GULF OF ST. LAWRENCE
- 11:45** **Discussion**

12:00 **Lunch (catered, Room 360)**
Poster viewing, Rooms 354 & 356
Judges deliberate for student awards

Session 9: *Physical Processes* (Room 383)

Chair: TBD

13:00 **Alain Patoine**
 HYDROLOGICAL SHIFTS IN THE MAIN NUTRIENT LIMITING PHYTOPLANKTON
 BIOMASS ALONG OLIGOTROPHIC ESTUARIES OF NORTHEASTERN NEW
 BRUNSWICK

13:15 **Tim Webster**
 TOPO-BATHYMETRIC LIDAR FOR RIVER MAPPING: FISH PASSAGE/HABITAT

Session 10: *Ocean Literacy, Natural History, and Ecology* (Room 383)

Chair: TBD

13:30 **Shen Molloy**
 CANADIAN INTEGRATED OCEAN OBSERVING SYSTEM ATLANTIC: SHARING,
 DISCOVERING, AND ACCESSING OCEAN DATA

13:45 **Bertrum MacDonald**
 COMMUNICATION OF SCIENTIFIC INFORMATION: ASSESSING INFORMAL
 COMMUNICATION PRACTICES OF THE GULF OF MAINE COUNCIL ON THE
 MARINE ENVIRONMENT

14:00 **Break (catered, Room 360) and**
Poster viewing, Rooms 354 & 356

Session 10 (continued): *Ocean Literacy, Natural History, and Ecology* (Room 383)

Chair: Peter Wells

14:30 **Paul Manning**
 USING DIGITAL "BYCATCH" TO ADVANCE NATURAL HISTORY IN ALL TYPES OF
 ECOSYSTEMS

14:45 **Guy Melville**
 THE FUNDY ORCA AND HIS HISTORY - NATURALLY

15:00 **David Garbary**
 THE RISE OF *FUCUS SERRATUS*: A EUROPEAN INVADER REPLACES KELP AND
 IRISH MOSS AS A CANOPY SPECIES ON SOME NOVA SCOTIAN SHORES

15:15 **Bruce Hatcher**
 INDICATORS OF ECOSYSTEM ADAPTATION FOR THE BRAS D'OR LAKE
 BIOSPHERE RESERVE

15:30 **Awards and Closing**
 Room 383

Saturday, May 21, 2022

Self-Guided Field Trip: See printed guide after list of poster presentations

POSTER PRESENTATIONS

(G) Emily Baker (Saint Mary's University), van Proosdij, D., Lundholm, J. (Saint Mary's University); Frail-Gauthier, J. (Dalhousie University)
ASSESSING THE ECOLOGICAL INTEGRITY AND ECOMORPHODYNAMICS OF COASTAL HABITATS CREATED USING NATURE-BASED TECHNIQUES (SAND ENGINES AND LIVING SHORELINES) IN A CANADIAN CONTEXT

Molly Bradford (Acadia University), Mallory, M., O'Driscoll, N. (Acadia University)
METHYLMERCURY BIOACCUMULATION IN COASTAL INVERTEBRATES IN THE MINAS BASIN, BAY OF FUNDY

Molly Bradford (Acadia University), Mallory, M., O'Driscoll, N. (Acadia University)
THE INFLUENCE OF SEDIMENT GEOCHEMISTRY ON METHYLMERCURY BIOACCUMULATION IN COASTAL INVERTEBRATES IN THE MINAS BASIN, BAY OF FUNDY

Monica DeVidi (Dalhousie University); Manuel, P., MacDonald, B. H. (Dalhousie University)
IMPLEMENTATION OF MARINE SPATIAL PLANNING IN ATLANTIC CANADA: CONSIDERING A ROLE FOR MUNICIPAL GOVERNMENTS

(U) Amanda Fenech (University of New Brunswick Saint John); Beardy, K., Hunt, H. (University of New Brunswick, Saint John)
CONCENTRATION OF POTENTIAL MICROPLASTICS IN SOFT-SHELL CLAMS (*MYA ARENARIA*) IS SIZE DEPENDENT

(G) Mia Francis (University of New Brunswick Saint John); McGarrigle, S.A., Hunt, H.L. (University of New Brunswick Saint John)
BENTHIC NUTRIENTS, pH, AND INFAUNAL COMMUNITIES IN INTERTIDAL SOFT SEDIMENTS

(G) Johnathan Linihan (University of New Brunswick, Fredericton); Barbeau, M.A. (University of New Brunswick, Fredericton); Ollerhead, J. (Mount Allison University)
COMPARISON OF SALT MARSH HYDROPERIODS BETWEEN THE MICROTIDAL AND MEGATIDAL RANGES OF NEW BRUNSWICK, CANADA.

Lisa Long (EIUI); Mongeon, P. (Dalhousie University, School of Information Management); MacDonald, B.H. (Dalhousie University, School of Information Management, EIUI)
SITUATING ATLANTIC CANADA IN THE GLOBAL RESEARCH ON THE SCIENCE-POLICY INTERFACE AND THE OCEANS

(G) Daniel Martinez Calderon (Dalhousie University)
TOWARDS COMPREHENSIVE COASTAL-MARINE POLICY: COMPARISON OF INTEGRATED COASTAL ZONE MANAGEMENT AND MARINE SPATIAL PLANNING.

(G) Makadunyiswe Ngulube (Saint Mary's University); Van Proosdij, D. (Saint Mary's University)
COMPARING THE PROVISION OF PROTECTIVE (WAVE ENERGY DISSIPATION, EROSION PREVENTION) AND ECOSYSTEM SERVICES (HABITAT, PRIMARY PRODUCTIVITY, BLUE CARBON) OF NEWLY CONSTRUCTED MARSH SILL TO A NATURAL MARSH.

(G) Simon-Luc Noel (Dalhousie University); Beazley, K.F., MacDonald, B.H. (Dalhousie University)
PERSPECTIVES ON ASSESSING RECOVERY FEASIBILITY OF INNER BAY OF FUNDY ATLANTIC SALMON *SALMO SALAR* 20 YEARS ON

Nelson J. O'Driscoll (Acadia University); *Doncaster, M., Bowes, B., Klapstein, SJ, Hillier, N.K. (Acadia University)

EXAMINING EXPORT AND BIOACCUMULATION OF METHYL MERCURY IN A BOG HABITAT IMPACTED BY HERRING GULL GUANO AND WATER TABLE RESTORATION ON BRIER ISLAND, DIGBY COUNTY, NOVA SCOTIA

(G) Brittney Roughan (Saint Mary's University); Van Proosdij, D. (Saint Mary's University); Kellman, L. (St. Francis Xavier University)

ASSESSING THE ROLE OF ALLOCHTHONOUS INPUTS IN RESTORING AND PROTECTING BLUE CARBON IN BAY OF FUNDY SALT MARSHES

Alexa M.E. Stack Mills (University of New Brunswick); Norris, G.S., *Barbeau, M.A. (University of New Brunswick)

DYNAMICS OF *SPARTINA PATENS* PATCHES IN A RESTORING SALT MARSH IN AULAC, NB

Clare Sully-Stendahl (Saint Mary's University); Bowron, T., Graham, J. (CBWES Inc); Pett, B. (NS Department of Public Works); Bekkers, K., Ross, C. (NS Department of Agriculture); van Proosdij, D., Purcell, J. (Saint Mary's University); Mulligan, R. (Queens University); Fisher, C. (Saint Mary's University)

ON SLOW-NORTH RIVER MANAGED DYKE REALIGNMENT AND TIDAL WETLAND RESTORATION PROJECT

(U) Meryem Upson (McGill University); van Ardenne, L.B., Chmura, G.L. (McGill University)

CONTROLS ON WATER TABLE FLUCTUATIONS IN TWO SALT MARSHES ON NEW BRUNSWICK'S BAIE DES CHALEURS

(G) Nima Vaez-zadeh Asadi (Brock University); Brand, U. (Brock University)

FUNDY BRACHIOPODS: MONITORS OF OCEANOGRAPHIC CONDITIONS IMPORTANT TO THE FISHERIES INDUSTRY

Lyle Vicaire (University of New Brunswick); Stack Mills, A.E.M., *Barbeau, M.A. (University of New Brunswick)

EFFECT OF POPULATION OF ORIGIN ON GERMINATION SUCCESS OF *SPARTINA ALTERNIFLORA* COLLECTED FROM THE BAY OF FUNDY AND NORTHUMBERLAND STRAIT

Jenna Watson (University of New Brunswick); Stack-Mills, A.M.E., *Barbeau, M.A. (University of New Brunswick)

EFFECT OF THE SNAIL *MELAMPUS BIDENTATUS* ON THE DECOMPOSITION OF SALT MARSH GRASSES

Peter Wells (Dalhousie University); Butler, M.J.A. (International Ocean Institute - Canada, Dalhousie University); Lowther, L. (Dalhousie University); MacPherson, K. (Halifax Public Schools)

ENHANCING OCEAN LITERACY IN THE FUNDY COMMUNITY - CONTINUED ACTIVITIES OF BOFEP'S OL WORKING GROUP

(G) Kayla Williams (Saint Mary's University, CBWES Inc); van Proosdij, D (Saint Mary's University)
UNDERSTANDING PARAMETERS FOR SITE CHARACTERIZATION AND THEIR INFLUENCE ON RESTORATION TRAJECTORY IN TIDAL MARSHES IN NOVA SCOTIA, CANADA

*Presenting Author (if different from first author)

Self-guided Tour - Truro to Apple River

Spend Saturday May 21st, travelling down the Northern Shore of the Bay of Fundy. Grab your new conference friend* and head out for an adventure of your making!

Low tide in Five Islands is at 11:58 am
 Dory Rip – Cape D’Or – between 2 pm and 4 pm
 Tidal Bore at Fundy Discovery Site – 5:40 pm

The tide can cut off access to the shore very quickly – keep this in mind if planning activities near the water.

Cliffs of Fundy GeoPark Interactive map available at <https://fundygeopark.ca/interactive-map/>

Please leave nothing but footprints and take nothing but memories (and photos).

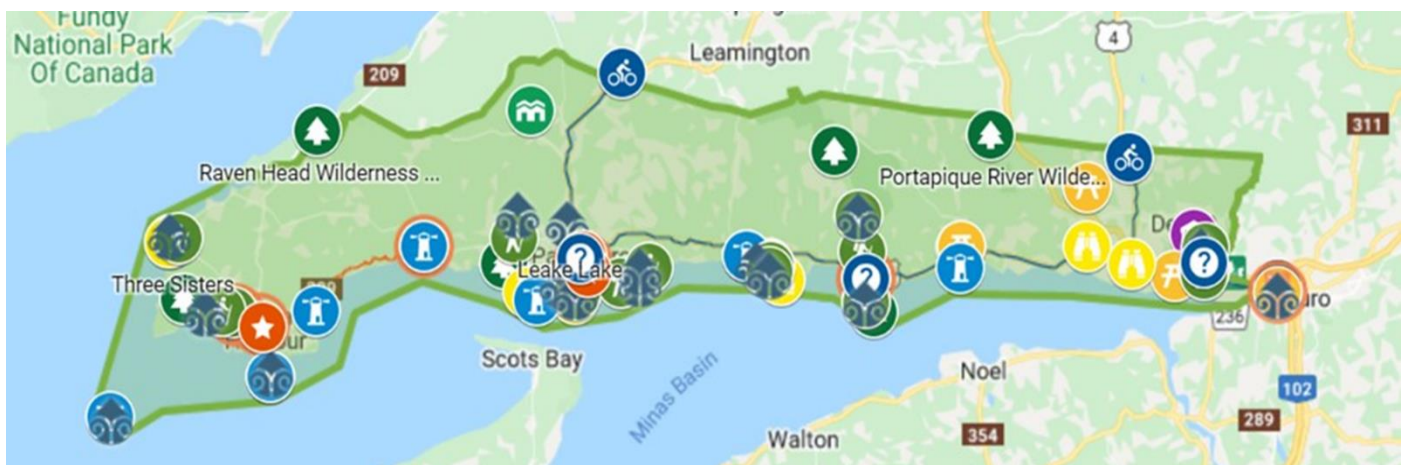


Image from Cliffs of Fundy GeoPark made with Google My Maps

*We encourage people to connect with fellow attendees and ride share.
 A sign-up sheet will be available at the registration desk.

Self-guided Tour - Truro to Apple River

Local Stops and Sites

Fundy Discovery Site - <https://fundydiscovery.ca/>

Mi'kmawey Debert Interpretive Trail -

<https://www.mikmaweydebert.ca/>

Cliffs of Fundy GeoPark - <https://fundygeopark.ca/>

Bass River - <http://www.bassrivermuseum.ca/>

Thomas' Cove -

<https://www.novascotia.com/see-do/trails/thomas-cove-coastal-reserve-trails/6161>

The Lighthouse at Five Islands

<https://www.novascotia.com/see-do/outdoor-activities/five-islands-lighthouse-park/2146>

The Ship's Company Theater -

<https://www.shipscompanytheatre.com/buy-tickets/>

Fundy Geological Museum -

<https://fundygeological.novascotia.ca/what-see-do>

Fundy Ocean Research Centre for Energy - <https://fundyforce.ca/>

Cape d'Or - <http://www.capedor.ca/index2.html>

Advocate Country Store -

<https://www.facebook.com/AdvocateCountryStore>

Apple River - https://en.wikipedia.org/wiki/Apple_River,_Nova_Scotia

Self-guided Tour - Truro to Apple River

Where to Eat?

Pats' Boardwok - Economy

That Dutchman's Cheese Farm – Economy

Diane's Restaurant - Five Islands

Briny Bay - Five Islands

Black Rock Bistro - Parrsboro

The Harbourview Restaurant - Parrsboro

Glooscap Tavern - Parrsboro

Pizza L'Amour - Parrsboro

Two Island Brewery - Parrsboro

The Age of Sail Cafe - Port Greville

The Wild Caraway (Reservations required) - Advocate Harbour

Advocate Country Store - Advocate Harbour

Hanna's Pizza - Advocate Harbour

The Hook and Anchor - Advocate Harbour

Self-guided Tour - Truro to Apple River

Where to Sleep?

Four Season's Retreat – Economy

Silver House Bed and Breakfast - Five Islands

Five Islands Ocean Resort and RV park - Five Islands

Riverview Cottages – Parrsboro

Mad Hatter Hostel - Parrsboro

Pleasant St. Inn - Parrsboro

The Maple Inn - Parrsboro

Evangeline's Tower B&B - Parrsboro

Gillespie House Inn - Parrsboro

The Sunshine Inn - Parrsboro

Parrsboro Mansion Inn and Cottages – Parrsboro

Glooscap Campground & RV - Parrsboro

Million Dollarview Cottages - West Bay

Fox Point Inn - Fox River

ADDA Fundy Tides Campground - Advocate Harbour

Reid's Tourist Home and Cottage - Advocate Harbour

Driftwood Park and Retreat - Advocate Harbour

Adventure Time!

A sample of activities in the area, ACCESS/BOFEP assumes people participating have the skills, and knowledge to participate.

Thomas Cove Coastal Reserve - <https://www.novascotia.com/see-do/trails/thomas-cove-coastal-reserve-trails/6161>

Five Island Provincial Park - <https://parks.novascotia.ca/park/five-islands>

Partridge Island Eco Tour - <https://www.novascotia.com/see-do/trails/partridge-island-lookoff-and-hiking-trail/6150>

Ward's Falls Hiking - <https://www.novascotia.com/see-do/trails/wards-falls-hiking-trail/6162>

Local Guys Adventure - <https://www.localguyadventures.com/>

Spirit Reins Ranch - <https://spiritreinsranch.com/>

Cape Chignecto Provincial Park - <https://parks.novascotia.ca/park/cape-chignecto>