

Welcome to SCB!

Wednesday, January 27th, 2016

Today's Meeting Outline

- **Creature Feature**
- **Issue of the Week**
- **Committee Updates**
- **Membership Fee Collection**
- **Committee Meetings**
- **External Initiatives**

Creature Feature!

- Lake Sturgeon, *Acipenser fulvescens*
- Canada's largest freshwater fish
- "Living fossils" – little change in body form since the Devonian
- Sturgeon, like salmon, return to spawn in the stream they were born each spring (can travel up to 400km)
- Bottom feeder with a cartilaginous skeleton
 - Lack of teeth, so it swallows prey whole
 - Barbels help the sturgeon locate bottom-dwelling prey
- Elongated, "torpedo-like" body that can grow over 2.2m (7.25ft) and up to 108kg (240lbs)
- Long-lived (up to 55 years)

Creature Feature!

- Vulnerable in the Great Lakes
 - Occurs in the Great Lakes and the St. Lawrence River, but also across most of north America
 - Habitat fragmentation and regulated water flow from dams are the greatest threats; other threats include invasive species, pollution, and poaching
- Previously killed as a nuisance by-catch because they damaged fishing gear; commercial fishery for meat and eggs brought in an average of 1800 tonnes per year between 1879-1900
- Conservation efforts have increased understanding of Lake Sturgeon (radiotelemetry); strict regulations on harvest, water quality improvement, and the role of hatcheries have allowed the species to bounce back in the Great Lakes

Do Tags Exceeding 2% of Total Body Weight Impair Lake Sturgeon Movement?

Zachary Snobi, Ryan Koenigs, Ronald Bruch, & Fredrick Binkowski

Published Sept. 2015 in *North American Journal of Fisheries Management* 35(5)

- Previously accepted that telemetry tags shouldn't exceed 2% of the body weight, but there has been little field research justifying Winter's (1983) tag-weight guidance
- Studied the dispersal of 48 hatchery-raised fish in Wisconsin (Fox River and Wold River) with tags either 2% or 4% of their body weight
- Found that fish can handle larger tags (which may allow scientists to gather more detailed data or install more batteries so signals last longer)

Issue of the Week – The Energy East Pipeline

TRANSCANADA ENERGY EAST PIPELINE



The Energy East Pipeline – What is it?

- 3,000 km of existing natural gas pipeline to crude oil service and will include the construction of 1,600 km of new pipeline
- 1.1 million barrels a day
- The EEP plans to run between Hardisty, Alta., to Saint John, N.B.

About 944,000 results (0.50 seconds)



[Energy East pipeline: What you need to know](#)

[CBC.ca](#) - 18 hours ago

Energy East is a proposed 4,600-kilometre pipeline by Calgary-based energy corporation TransCanada. It would stretch from Alberta to an ...

[Looking for consensus on the Energy East pipeline project](#)

[CTV News](#) - 15 hours ago

[Editorial: Let's tone down the rhetoric over Energy East pipeline](#)

[Montreal Gazette](#) - 18 hours ago

[Trudeau and Coderre meet, discuss Energy East pipeline](#)

[Globalnews.ca](#) - Jan 26, 2016

[Trudeau: Never mind Coderre, what matters is what Trudeau ...](#)

[Opinion - Calgary Herald](#) - Jan 26, 2016

[Trudeau, Coderre and Energy East: It's not the only contentious ...](#)

[-Depth - The Globe and Mail](#) - Jan 26, 2016



[CTV News](#)



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[National Post](#)

[Economists say Energy East pipeline vital to New Brunswick...](#)

[MetroNews Canada](#) - 1 hour ago

FREDERICTON — The growing national divide over the Energy East pipeline couldn't come at a worse time for New Brunswick, which is ...

The Energy East Pipeline – General Information

The Council of Canadians

<https://www.youtube.com/watch?v=QT25AJm0Pi8>

Rick Mercer

<https://www.youtube.com/watch?v=ZfCWITBLDJE&feature=youtu.be>

14,000+ jobs annually*

\$55 billion added to the economy

24/7/365 safety monitoring

A large concrete pipe segment is being lowered by a yellow lattice-boom crane. A blue metal walkway is attached to the pipe. The background shows a clear blue sky with some clouds.

Join the Energy East Action Network today

*During development & construction

Energy East Pipeline

The Energy East project is a 4,600 km pipeline that will transport, safely, about 1.1 million barrels of oil per day from Alberta and Saskatchewan to the refineries of Eastern Canada and a marine terminal in New Brunswick.



PETITION TO THE GOVERNMENT OF CANADA

We, the undersigned residents of Canada, draw the attention of the Government of Canada to the following:

THAT TransCanada Corp. is applying to convert and extend a pipeline to transport tar sands crude from Empress, Alberta to Saint John, New Brunswick. The "Energy East" pipeline is expected to carry up to 1.1 million barrels of crude per day, including diluted bitumen, through Canadian communities and sensitive ecosystems and waterways. As shown by tar sands pipeline ruptures in Mayflower, Arkansas and in the Kalamazoo River in Michigan, a pipeline spill would have devastating impacts on land and water and endanger people's health. This pipeline would also encourage expansion in the tar sands, Canada's fastest growing source of greenhouse gas emissions, and the crude would be available to the highest bidders including larger, international markets.

Energy & climate justice

- ▼ Energy East
 - Energy East 101
 - Will your community be affected by the Energy East Pipeline?
 - Stop the Energy East Pipeline!
 - Waterways and crossings
- B. C. Pipelines
- Liquefied natural gas (LNG)
- Climate Justice
- System Change Not Climate Change

[Sign up for our newsletter](#)

[DONATE NOW](#)

S/I Update – Climate Change Bake Sale

- Taking place on February 3rd
- Doodle poll has been created so people can sign up for shifts or to bake
- Climate Change themed baked goods?
 - <http://communitytable.parade.com/386725/jillmills/17-of-the-best-earth-day-fun-food-recipe-ideas-for-kids/>
- Flyers from Advertising?

S/I Update – “This Changes Everything” Screening

- **Everything is booked!**
- **Needs PROMOTION! (Invite your friends)**
- **Have an introductory slide about SCB
→ Advertising?**
- **Could put up a final slide about action
→ S/I?**
- **Baked goods for the screening? Tea?
Bake sale leftovers?**

S/I Update – “This Changes Everything” Screening

<https://www.youtube.com/watch?v=YQhfIH4alO0>

Photo Contest Update – Prize Collection

- Went to a bunch of stores on campus last week and were able to collect some prizes
- Will be collecting more prizes on Friday morning at 10:30am
- All are welcome to attend!
- We will be passing around a sign-up sheet if you want to go

Committee Updates

- Do we have any updates from...
 - Advertising/Social?
 - Saturday social
 - Sign-up sheet for bringing food and drinks
 - Education?
 - Science Rendezvous worksheet
 - Schoolyard Naturalization Activities
 - Additional updates from S/I or Photo Contest?

Membership Fee Collection

- **We will be passing around a cash box and member list**
- **If you wish to be an official member of SCB, place \$5 in the box and sign your name**
- **If you aren't able to give \$5, just sign your name**

External Initiatives

- EEB Seminar: “Better to be young, early, or big? Disentangling the causes of selection on flowering time” on January 28th (Tomorrow!)
 - <https://eebseminar.wordpress.com/>
- Cross-Country Skiing Race at Little Cat on January 31st
 - <http://www.queensevents.ca/event/little-cat-classic-ski-race/>
- Container Drive run by ASUS Good Times Diner on January 29th
 - <http://www.queensevents.ca/event/asus-good-times-diner-container-drive/>