



Issue: 2016-3

Fall 2016



**FISHERMEN & SCIENTISTS  
RESEARCH SOCIETY**

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## **A Message from your Director of Operations**

Welcome to the latest edition of the Fishermen and Scientists Research Society newsletter.

We have had an exceptional summer here in Nova Scotia but all things must progress and now we are getting ready for the Autumn season. Here at the FSRS we are continuing with our work on data collection related to juvenile lobsters, groundfish monitoring along the Scotian Shelf and preparing for our 24th Annual conference in the winter.

You can learn more details from Elizabeth about the FSRS's projects in the **Science Update**.

As mentioned at the general meeting last February, we are working on our Strategic Plan and we are looking for your suggestions on how to increase membership and keep the FSRS moving forward! A short survey was sent out and we would appreciate your participation to help us develop and grow. [PARTICIPATE IN SURVEY HERE](#).

If you know anyone who is interested in receiving more information about the FSRS, please direct them toward signing up for our newsletter: <http://fsrs.ns.ca/newsletter.php>



**We are looking for volunteers to help out on our Communication Committee!!** This [committee](#) meets 4 times a year via conference call or in person and thinks about ways to make the FSRS work better for its members, plan the annual conference and any other outreach events for the coming year.

Let us know how we can make the Fishermen and Scientists Research Society better for our members and our supporters. Please feel free to send your thoughts to [info@fsrs.ns.ca](mailto:info@fsrs.ns.ca).

Wishing you all the best,

A handwritten signature in blue ink that reads "Simon Scott Tibbets". The signature is written in a cursive style and is positioned on a light blue background.

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## ANNUAL CONFERENCE UPDATE

Please plan to join us next February for our 24th Annual Conference.

**February 23, 2017 Best Western Plus Dartmouth Hotel & Suites**



Same great location, same fun time!



Keep on the look out for updates on the conference regarding registration and agenda on [Facebook](#), [Twitter](#) and the FSRS [website](#) .

We will be looking for more [sponsors](#) for this great event. If you are interested in sponsoring the conference contact us at [fsrs.conference@gmail.com](mailto:fsrs.conference@gmail.com) .

**Lobster Settler Sponsorship** (\$100 - \$249 cash or \$150 - \$399 in kind)

**Juvenile Lobster Sponsorship** (\$250 - \$499 cash or \$400 - \$749 in kind)

**Adult Lobster Sponsorship** (\$500+ cash or \$750+ in kind)

Thank you to our current list of sponsors:

Vernon d'Eon Fishing Supplies Ltd. (Adult Lobster)

Atlantic Catch Data (Adult Lobster)

Navigator Magazine (Juvenile Lobster)

DSS Marine Incorporated (Juvenile Lobster)

Sambro Fisheries (Juvenile Lobster)

PAFFA (Juvenile Lobster)

Caldwell Roach Insurance (Juvenile Lobster)

Fisheries Safety Association of Nova Scotia (Settler Lobster)

Hines Marine Service Ltd. (Settler Lobster)

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# Our new logo could be made by YOU!

Show us your creativity for a chance to be the designer of the new FSRS logo!

**\$200 cash  
prize and  
more!**

Visit [www.fsrs.ns.ca](http://www.fsrs.ns.ca) for contest details

[Logo Contest Information](#)

[Logo Contest Guidelines](#)

## SCIENCE UPDATE

*Elizabeth Baker – Acting Science Projects Manager*



The **4VsW Sentinel Program** was just wrapped up by Randy Boutilier, who has now been completing the survey for over 7 years. Eighteen randomly selected stations were sampled to monitor inshore groundfish to ensure data is available to research scientists with DFO. This can then be used in assessment and management of groundfish resources.

Upon closure of the final lobster seasons this summer, we have been busy collecting **Lobster Recruitment Project** logbooks and entering data in order to analyze temperature and catch results. We continue to ask for participants to get their logbooks into us as quickly as possible, so we can get the results communicated back to you! Once analysis has been completed, results will be presented to participants at meetings this fall in LFAs 33 and 34, in addition to meetings for LFAs 27, 29, 30, 31A, 31B, and 32 in the spring of 2017.

[Read More](#)

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The Honourable Scott Brison, President of the Treasury Board, announced on September 6, 2016 that the federal government would be committing \$93.7 million through its [Canada First Research Excellence Fund](#) (CFREF) to support the Ocean Frontier Institute.

The [Ocean Frontier Institute](#) (OFI) is a powerful new partnership linking ocean experts from Dalhousie University, Memorial University and the University of Prince Edward Island with world-leading national and international collaborators in research, government and industry.

We hope to hear more about this initiative and how we at the FSRS can lend our own brand of expertise to this partnership.

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# Best Practices for Lobster Transport

Part of the Nova Scotia Fisheries Sector Council's mandate is to promote competitiveness and higher quality standards for seafood products. This is a *draft code of best practices* designed for lobster transportation, and as such it addresses directly this mandate by enhancing the ability of landed lobsters to maintain maximum quality throughout transport component of the chain-of-custody.

## Check List

- Pride in your work.** Remember that lobsters are animals and must be handled with **care and respect**. That's our job to do so and that's what our customers are demanding from us.
- Preloading temperature.** The temperature inside the truck should be at **~2-5°C (35-40°F)** before lobsters are loaded. Chill or heat it up depending on the time of the year.
- Maintaining constant temperature.** Keep the door closed or use plastic curtains to **maintain the temperature at ~2-5°C (35-40°F)**.
- Using a tarp.** Place a plastic tarp **over the upper crates** in the truck to protect lobsters from the 'dry wind' created by the reefer blower, and protect them from the dripping water from the melting ice.
- Handling lobster crates like egg crates.** When crates are thrown or dropped from a just a couple of feet, lobsters can shift inside the crate, increasing the chances of injuries. **Treat like eggs.** Really.
- One hand – one Lobster.** By using one hand per lobsters, one lobster per hand, you'll **never drop** a lobster again. No more broken noses!
- Protecting lobsters from rain/sun/wind.** Throw a **tarp over the crates** at wharves until they are loaded in the truck to protect them from rain, wind, snow or sun.
- Proper crates.** Crates should be self-draining with holes at the bottom and packed at **90-100lbs/crate**.
- Saltwater ice.** Saltwater ice instead of freshwater ice. Having **ice on top of the tarp** over the upper crates will keep the humidity high in the truck and maintain a cool & moist environment.



Nova Scotia  
Fisheries Sector Council



*photo credit: Elizabeth Baker*

*Article Reprinted from The Lobster Bulletin (Summer 2016)*

### **What Gives Some Lobsters Such Unique Colors?**

Dr. Diane Cowan of the Lobster Conservancy ([www.lobsters.org](http://www.lobsters.org)) gives a very succinct description of why some American lobsters have rare coloring. From her “Ask the Lobster Doc” feature, Dr. Cowan tells us, “Most lobsters are colored a mottled dark greenish brown. In rare cases, a lobster of a different color (colormorph) appears. Exotic lobsters in shades of blue, white, yellow, black, and red have been reported from time to time since the earliest lobster harvests. Perhaps the most unusual colormorphs are the “calico” lobsters appearing as marbled black and orange/yellow; or “half-and-half” lobsters with a line straight down their backs where two colors meet. Calicos and half-and-halves are hatched that way and they stay that way (until cooked!) because the basic color pattern in lobster shells is inherited just like the color of hair in humans and other mammals.

[Read More](#)

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**UPCOMING EVENTS**



[Sustainable Oceans 2016 "Into the Blue: The Body Connecting Us All"](#), 30 September– 1 October 2016: Halifax, Nova Scotia

COINAtlantic/ ACZISC Meeting #78, 4–5 October 2016, St. John's, Newfoundland: [COINAtlantic CLIMATE FORUM](#)

9th Annual Ransom A. Myers Lecture on Science & Society, "[Plastics in our oceans: can we come together to solve this problem?](#)". October 6 2016 Halifax, Nova Scotia, Canada

[Oceana Canada's Science Symposium](#) October 26, 2016 Ottawa, ON

[Gulf Aquarium and Marine Station's Fishermen's Forum](#) Nov 21–22, 2016 Antigonish, NS

[Canadian Conference for Fisheries Research](#). Jan 5–8, 2017 Montreal, QC

Nova Scotia Institute of Science (NSIS) lecture series. "[Listening in on the deep: the story that whale sounds can tell](#)" by Hilary Moors-Murphy. January 9 2017, Dartmouth, Nova Scotia, Canada.

[See Change: Tides of Environmental Learning](#) May 18–21, 2017 Wolfville, NS

[11th International Conference and Workshop on Lobster Biology and](#)

Management Portland, Maine, USA, 4–9 June 2017.

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If you have comments about the articles or are interested in becoming a [Member of the FSRS](#), please contact Shannon at [Shannon.tibbetts@fsrs.ns.ca](mailto:Shannon.tibbetts@fsrs.ns.ca) or download the application form on the [website](#).

Remember, we are on [Facebook](#) and [Twitter](#) now! Please like and follow us for continuous updates on current projects and news.



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