



Atlantic Canada Aquaculture Industry Research & Development Network

ACAIRDN

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IN THIS ISSUE

Sea Lice Treatment

Canadian Mission to Spain

Associations' Discussion

IPSFAD in Italy

PEIAA develops Oyster
Aquaculture

MUN Dean Meets NAIA

Enhancing Mussel Production

NBSGA Sea Lice Treatments



Over the past year the NBSGA has worked in the development of an integrated pest management approach for sea lice. The initiative includes testing well boat technology for sea lice bath treatments. This project evaluates the effectiveness of reduced quantities of treatment products and their killing efficiency. The NBSGA is also conducting multi-stakeholder meetings to ensure that knowledge is properly transferred. On November 30th

Hello Everyone and Welcome to our e-Bulletin.

We hope you find the information in here relevant and interesting. This bulletin together with our Facebook group will be the main communication via of our activities, news, updates, etc.

Enjoy it!

Aquaculture Associations discuss industry priorities and ongoing projects

On the 19th of August ACAIRDN hosted a conference call with R&D Coordinators from PEI, New Brunswick, Nova Scotia, Newfoundland, Ontario and the national freshwater group IPSFAD. Each participant had an opportunity to present their current project work, issues and industry focus. Some striking commonalities emerged, crossing provincial and species lines. **Certification** was definitely one hot button topic that came up time and again.

If you are a representative of an Aquaculture Industry Association and interested in joining in on the next call please let us know. We usually meet via Skype (it's free!), so please send us your profile, or you can reach us on facebook (www.facebook.com/group.php?gid=124893257529646) or simply reply to this e-mail. Not a Canadian Association? Not a problem! We have "associate members" in the US as well and are interested in hearing from anyone involved in Industry led research and development.

the NBSGA will dedicate a full day to enable researchers and other project collaborators to provide comprehensive reports to those interested. This session will be part of the NBSGA Annual Workshops and Meeting. [Read more](#)

CANADIAN MISSION TO SPAIN



The trip is scheduled from September 29-October 8, 2010. We will visit farms in Andalucia and Galicia as well as having business encounters and meetings in the CONXEMAR tradeshow and Aquaculture Europe conference. Stay tuned for news and results of the mission in our next issue.

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IPSFAD in Verona, Italy for WWF Dialogues

Certification and Standard development is perhaps one of the hottest topics in aquaculture these days.

The World Wildlife Fund (WWF) sponsored the Freshwater Trout Aquaculture Dialogue (FTAD) to produce a draft on trout standards. The content of the document will be discussed at the next FTAD meeting, to be held in September in Verona, Italy. The **Interprovincial Partnership for Sustainable Freshwater Aquaculture Development (IPSFAD)**, in collaboration with the Northern Ontario Aquaculture Association and DFO (AIMAP program) will be sending a group of stakeholders from the Canadian freshwater trout aquaculture industry at this event. Their mandate is to present a unified position on issues related to environmentally and socially responsible freshwater trout aquaculture in Canada and to communicate and defend the Canadian position at the FTAD.

For more on the trout dialogue go [here](#). For more on IPSFAD initiatives visit [our website](#) or contact R&D Coordinator [Eric Boucher](#)

PEI Aquaculture Alliance developing an Aquaculture Management Plan for prime Oyster Aquaculture area.

The continued development and expansion of oyster aquaculture on PEI is dependent upon, amongst other things, growers being able to access good quality water column leases. Currently growers with a bottom lease can apply to have them converted to off-bottom (water column) leases. This is a lengthy process as there a number of factors which must be assessed and considered, and a number of different agencies that are involved. When the PEI Lease Management Board (LMB) recently began accepting applications for oyster lease conversions a hold was put on four water bodies, to assess their potential for expansion and possible navigation issues. The LMB stated that applications from these areas would not be considered until an Aquaculture Management Plan (AMP) was developed for each area.

With funding provided by the PEI Atlantic Shrimp Corp., Fisheries and Oceans Canada and PEI Department of Fisheries, Aquaculture & Rural Development the PEIAA contracted Carpe Diem Consulting to produce a plan for the Foxley/Trout River water system. Over the spring and early summer consultations have been held with leaseholders, local watershed groups, First Nation groups, other resource user associations and legislative agencies about their vision for oyster aquaculture in the rivers and concerns regarding continued development.

The report produced has a series of recommendations for continued sustainable development of oyster aquaculture in the watershed with an inclusive approach to stakeholder representation, allowing all concerned to have continued input into the process. Currently a draft of this report has been presented and discussed with all lease and license holders and stakeholder groups who were consulted in its development. Once

finalized it will be presented to the LMB for further discussion. We believe that the process behind the creation of this AMP for Foxley/Trout will act as a model for plans in other aquaculture areas, for both oysters and mussels

Memorial University Dean of Science Meets with the Finfish Aquaculture Sector



With a history of stimulating aquaculture industry involvement in R&D, the Newfoundland Aquaculture Industry Association (NAIA) provides a vital role in fostering collaborations between industry and research institutions. Recently Darrell Green, the NAIA R&D Coordinator, arranged for Dr. Mark Abrahams, Dean of Science of Memorial University, to meet with NAIA's Finfish Aquaculture Technical Committee to discuss long-term collaborations between Dr. Abrahams' research program and the aquaculture industry. Dr. Abrahams gave an overview of his research interests and Livia Goodbrand, one of Dr. Abrahams' graduate students, gave a presentation detailing some of the specific collaborations that could be pursued. The ensuing discussion led to a planned collaboration between Dr. Abrahams' lab and an one of our salmon farming companies. More details on this in future posts!

The get-together also gave Dr. Abrahams and Ms. Goodbrand a chance to get an up-close view of salmon farming in Newfoundland, as Jennifer Caines and Harvey Jensen of Northern Harvest Sea Farms offered a tour of cage sites near Harbour Breton. During the tour Jennifer and Harvey explained how the sites operate and the concept behind some of the specific practices farms in NL employ to ensure they are farming in an environmentally sustainable fashion.

This meeting was made possible by funding from the Interaction Grants Program of the Natural Sciences and Engineering Research Council of Canada. For more information on this program visit: <http://www.nserc-crsng.gc.ca>

Enhancing Mussel Production - Mussel Seed Project

While the blue mussel aquaculture industry in Newfoundland has had market challenges this past year, a renewed commitment towards effective marketing and an abundance of room for future farm expansion keeps us optimistic about the potential for expansion within the sector. With expansion in mind, one of the long term priorities identified by our mussel growers has been to guarantee that a consistent supply of good quality mussel seed is readily available to the industry.

This year the NAIA initiative "Enhancing Sustainable Mussel Industry Production and Growth through Assessment and Removal of Constraints in Seed Supply" (also known as the Mussel Seed Project) is wrapping up 4 successful years of investigation of potential and existing

mussel seed sources. To date analysis of amount of seed collected at each site, morphometric analysis and genetic species composition analysis has been performed for numerous sites in Placentia Bay, Bonavista Bay and Notre Dame Bay.

This year we will be evaluating the growth and survival of seed collected in 2008 and 2009 in Bonavista Bay and Green Bay. The final report on this project is planned for March 2011.

Thanks for reading our e-Bulletin!

Remember that if you want more information about a certain topic you can contact any RDC and we will be happy to help.

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Betty House, [NBSGA](#); Peter Warris, [PEIAA](#);

Darrell Green, [NAIA](#); Fernando Salazar, [AANS](#)

Did you know?

To search reports of research done by the Atlantic Canadian Aquaculture Associations visit [us here](#)



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