



**Interprovincial Partnership for Sustainable  
Freshwater Aquaculture Development**  
**Partenariat interprovincial pour le développement durable  
de l'aquaculture en eau douce**



Québec, 09/03/2007

Larry Albright  
President  
Freshwater Aquaculture Association of British Columbia  
3104 Cardinal Drive, Burnaby, BC V5A 2T6

**Object: Invitation to the first annual General Meeting of the Interprovincial Partnership  
for Sustainable Freshwater Aquaculture Development**

Dear Mr Albright,

The following letter is to inform you of the activities undertaken by the new ***Interprovincial Partnership for Sustainable Freshwater Aquaculture Development*** formerly known as the *Interprovincial Initiative for Sustainable Freshwater Aquaculture Development*.

The Interprovincial Partnership for Sustainable Freshwater Aquaculture Development presents an innovative approach by establishing RDC (research, development and commercialisation/pilot scale) partnerships between experts and the industry in order to generate specific projects designed to solve problems expressed by industry stakeholders.

To accomplish this and to insure that we continue responding to problems and challenges that are facing the industry, the ***Interprovincial Partnership for Sustainable Freshwater Aquaculture Development*** was recently incorporated as a non-for profit organisation. This new organisation invites aquaculture associations to join and to actively participate in the decision making that will influence direction that this high potential sector takes.

Please find attached, the mission statement and the detailed objectives for the Partnership, its most significant past accomplishments, and a summary of the *Industry Action Plan for Sustainable Freshwater Aquaculture Development in Canada* produced in 2004.

We will hold the **first annual general meeting for the Partnership members** on February 7<sup>th</sup>, 2007 at room Beau Rivage of the Château Cartier located in Gatineau, QC. Following this meeting, a Symposium has been planned to present new developments for the Canadian freshwater aquaculture, with emphasis on those supported by the partnership. Moreover, the draft of the Partnership's *Action Plan 2007-2009*, produced from results obtained during the five regional workshops (Vancouver, Edmonton, Sudbury, St-Hyacinthe and Moncton) will be presented and discussed in a plenary session. The ultimate goal for this session is to renew the Industry Action Plan mentioned previously. You will find attached to this letter, the detailed agendas for the February 7<sup>th</sup> Annual General Meeting and for the February 8<sup>th</sup> Symposium.

We also wish to officially invite your association to become an active member of the ***Interprovincial Partnership for Sustainable Freshwater Aquaculture Development*** and to appoint an official representative that would sit on the Administrative Committee. You will find attached a draft of the general rules and regulations of the organisation which will determine its operating mode, show the detailed composition of the Administrative

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Committee and establish the annual fee of \$100. This draft of rules and regulations will be discussed and ratified during the February 7<sup>th</sup> meeting.

To explain all the details presented in this proposal and to give you all the information necessary for a well informed process of decision-making, we will coordinate a conference call early January for all the association representatives targeted to sit on the Administrative Committee.

Your involvement to this initiative is essential to insure the success of the pursued objectives. This meeting represents an occasion for the stakeholders of the Canadian freshwater aquaculture industry to have a voice regarding the orientation and financing of research, development and commercialisation intended to promote the growth of the sector within the framework of a well-structured organisation.

Thank you for your support.

Yours sincerely,

Eric Boucher  
On behalf of the *Transition Committee*

Attached:

- Mission Statement and Objectives of the Partnership
- Most significant accomplishments of the Partnership
- Summary of the 2004-2006 Industry Action Plan
- Agenda for the Annual General Meeting on February 7<sup>th</sup> 2007
- Agenda for the Symposium on February 8<sup>th</sup> 2007
- Draft of rules and regulations of the Partnership



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**MISSION STATEMENT AND OBJECTIVES**

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**Mission:**

The mission of the Interprovincial Partnership for Sustainable Freshwater Aquaculture Development is to promote sustainable development of freshwater aquaculture in Canada.

**Objectives:**

1. Create consensus regarding Research, Development and Commercialization (scale-up) priorities identified by industry.
  2. Promote Research, Development and Commercialization projects and assemble the required research and/or technology transfer expertise for execution.
  3. Foster the establishment of necessary synergies among various players while avoiding duplication of work and making optimal use of resources.
  4. Seek funding for projects that result directly from priorities identified by industry.
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**MOST SIGNIFICANT ACCOMPLISHMENTS FROM THE INTERPROVINCIAL  
PARTNERSHIP FOR SUSTAINABLE FRESHWATER AQUACULTURE DEVELOPMENT**

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- Formation of the *Interprovincial Initiative for Sustainable Freshwater Aquaculture Development*.
- January 2002: first Scientific Action Plan for the *Initiative (2001-2003)*.
- The Initiative sponsored numerous projects that were financed, in part, by the Fisheries & Oceans Canada's Aquaculture Collaborative Research and Development Program (ACRDP)
  - Axis 1- Nutritional Strategies
    - Factorial requirements in phosphorus
    - Compensatory growth of the Arctic charr
    - Phase feeding for the rainbow trout
    - Solubilisation of the phosphorus using microorganisms
    - Encapsulation of phytase in salmonid feed
    - Immune response from rainbow trout fed with phosphorus deficient feed
- 2003-2004 Two missions in Denmark to evaluate technologies used for trout farming (model farm and new formulation for feed)
- January 2004 : 2<sup>nd</sup> Action Plan for the *Initiative (2004-2006)*
  - Axis 1- Nutritional Strategies
  - Axis 2-Effluent/waste Treatment and Management
  - Axis 3-Farm Management
  - Axis 4-Environment Carrying or Assimilative Capacity
- 2005 : "Feed Trials in Canada" in trout farm using landbased tank - Utilisation of high performance feed to improve fish performances and reduce environmental impact of the freshwater aquaculture industry.
- 2006 : "Feed Trials in Canada" in trout farm using cage and recirculation system - Utilisation of high performance feed to improve fish performances and reduce environmental impact of the freshwater aquaculture industry.
- 2006/07 Development of high performance feed specifically for brook trout



## **AN INDUSTRY ACTION PLAN FOR SUSTAINABLE FRESHWATER**

### **AQUACULTURE DEVELOPMENT IN CANADA 2004/2006**

#### **EXECUTIVE SUMMARY**

Despite the enormous potential to become a major force in the Agri-food sector within the interior of Canada, the freshwater aquaculture sector has lived under an unofficial moratorium of industry expansion over the last five years. The challenges that the industry faces are considerable and under the current climate, the outlook is bleak if appropriate action is not taken.

The freshwater aquaculture industry varies considerably between regions regarding the species raised, major markets, and culture techniques. The key constraints to industry expansion however share much common ground. The lack of a clear, industry-wide consensus and prioritisation of the major industry bottlenecks is severely impeding our ability to overcome them. Furthermore, the regionalisation of efforts to tackle the problems, real or perceived leads to disjointed and inefficient use of over-taxed and under-funded research, development and technology transfer entities.

The vision of the Inter-Provincial Collaborative R&D Initiative is to change this dynamic. The creation of a unified list of immediate priorities will assist this sector to rapidly and effectively adopt approaches to solve critical bottlenecks. The uniting of expertise across regions will create synergistic linkages between industry, academic and governmental groups, permitting a cohesive and rational approach to problem solving. Overcoming current challenges will permit the industry seize new opportunities for commercial growth, strengthen the industry's ability to compete in global markets and aid the Canadian freshwater aquaculture sector in translating its significant advantages into sustainable, long-term industry development.

Therefore, and based on a consensus broadly developed, the ensuing Action Plan addressing the issues, focuses on four fronts of R&D and Technology Transfer:

- Nutrition
- Waste Management
- Farm Management
- Environment Carrying or Assimilative Capacity



## *First Annual General Meeting*

**Wednesday, February 7<sup>th</sup> 2007**

**Château Cartier**

**1170, chemin Aylmer, Gatineau, Québec J9H 5H1**

**[http://www.quebecweb.com/chateaucartier/xcarte\\_en.html](http://www.quebecweb.com/chateaucartier/xcarte_en.html)**

**Room Beau Rivage B**

### Agenda

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|---------------|--|
| 13h30 - 13h45 | <b>Meeting opening and words of welcome</b>  |
| 13h45 – 13h55 | <b>Nomination of meeting president and secretary (Roll call)<br/>Reading and approval of convocation notice<br/>Reading and approval of agenda</b>   |
| 13h55 – 14h30 | <b>Presentation of the organization, its goal, its objectives and its action plan</b><br>Mr. Éric Gilbert, DFO-Aquaculture Management Directorate  |
| 14h30 – 14h45 | <b>Afternoon break</b>   |
| 14h45 – 15h30 | <b>Presentation of the general rules and regulations</b>   |
| 15h30 – 15h45 | <b>Approval/amendment of rules and regulations</b>   |
| 15h45 – 16h30 | <b>Election administrative committee</b><br><br>Administrative committee agenda <ul style="list-style-type: none"><li>• Election of officers</li><li>• Financing</li><li>• Projects underway</li><li>• Approval of action plan</li></ul> |
| 16h30 – 16h45 | <b>Miscellaneous</b>   |
| 16h45         | <b>End session</b>   |



*Symposium: Developments in Freshwater Aquaculture in Canada*

**Thursday, February 8<sup>th</sup> 2007**

**Château Cartier**

1170, chemin Aylmer, Gatineau, Québec J9H 5H1

[http://www.quebecweb.com/chateaucartier/xcarte\\_en.html](http://www.quebecweb.com/chateaucartier/xcarte_en.html)

**Room "Champions"**

Agenda

- 8h45 - 9h00      **Word of welcome**  
Newly elected president
- 9h00 – 9h20      **DFO's vision for aquaculture development in Canada**  
Mr. Yves Bastien, executive director, DFO-Aquaculture Management Directorate
- 9h20 – 10h35      **Situation of freshwater aquaculture in various Canadian regions  
British Columbia, Prairies, Ontario, Québec, Maritimes**  
Regional representative (15 minutes per region)
- 10h35 – 10h50      **Morning break**
- 10h50-11h05      **What is the Interprovincial Partnership for Sustainable Freshwater  
Aquaculture Development?**  
Mr. Éric Gilbert, DFO-Aquaculture Management Directorate



(continuation)

**Presentation of 2001- 2006 Realisations of the Partnership**

- 11h05 – 11h50      **Phase feeding using phosphorus deficient and replete diets to reduce total P output.  
Encapsulation of microbial phytase to improve phosphorus digestibility.  
Microbial-mediated increase in phosphorus availability from animal protein-based ingredients.  
Compensatory growth in brook trout.**  
Mr. Grant Vandenberg, Université Laval
- 11h50 – 12h20      **Phosphorus metabolism and physiology.  
Novel feed formulation.**  
To be announced, University of Guelph
- 12h20 – 13h30      **Lunch**
- 13h30 – 14h15      **Feed trials in Canada – Part 1 (Québec, Ontario).  
Feed trials in Canada – Part 2 (Alberta, Saskatchewan, Ontario).  
Study on the commercial, environmental and physiological performance of brook trout fed new low-phosphorus, high-energy feed.**  
Mr. Éric Boucher, coordinator, Interprovincial Partnership
- 14h15 – 15h15      **Presentation of the 2007-2009 Action Plan of the IPSFAD / PIDDAED and retrospective of the regional workshops.**  
Mr. Éric Gilbert, DFO-Aquaculture Management Directorate / Dan Stechey, Aquaculture consultant
- 15h15 – 15h35      **Afternoon break**
- 15h35 – 16h35      **Discussion on the 2007-2009 Action Plan**  
Mr. Éric Gilbert, DFO-Aquaculture Management Directorate
- 16h35 – 16h45      **Closing word from the Partnership's new president**
- 16h45                **Cocktail**