

NEW BRUNSWICK
MARINE BIOSCIENCE



WHERE Opportunity AWAITS



Significant research capacity, Two distinct coastal zones

Easy access to foreign markets, Incentives and supportive tax credits

Fish health expertise, Established marine biorefineries



New Brunswick is your
MARINE BIOSCIENCES PARTNER

- Access to talent: a knowledgeable workforce with access to technical, graduate and doctoral marine science training programs
- Access to capital: strong federal and provincial support for research and development projects
- Access to biomass: marine and aquaculture
- Provincial incentives and supportive tax credits
- \$191M in farmed seafood products annually
- \$800M in annual seafood export sales

YOUR R+D SOLUTION

- Green processing and food production technologies
- Bio-processing technologies for fish and shellfish wastes
- Bio-refining of marine and aquaculture co-products to high-value applications
- Fish health expertise and infrastructure
- Significant intellectual property
- Provincial and federal programming support

RESEARCH, DEVELOPMENT AND COMMERCIALIZATION

Over half a dozen academic institutions combined with provincial, federal and private sector marine and aquaculture research facilities provide a fertile ground for innovation.

INFRASTRUCTURE

- Over \$100 Million in investments in infrastructure at federal, provincial and private sector research facilities
- State of the art analytical and diagnostic facilities for marine and aquaculture products and aquatic animal health
- Fresh and salt water aquaculture research facilities

HUMAN RESOURCES

University and College programs offering training in both English and French

KEY STAKEHOLDERS

New Brunswick's marine sciences industry is defined by the collaboration that exists between the key players in industry, government, higher learning, and R&D

- Coastal Zones Research Institute: Shippagan
- New Brunswick's Research and Productivity Council: Fredericton
- The Huntsman Marine Science Centre: St. Andrews
- St. Andrews Biological Station, Fisheries and Oceans Canada: St. Andrews
- BioNB: Fredericton
- Collège Communautaire du Nouveau-Brunswick
- New Brunswick Community College
- Mount Allison University
- Université de Moncton
- University of New Brunswick

New Brunswick:
WHERE OPPORTUNITY AWAITS YOU

New Brunswick's rich history in fisheries and aquaculture has led to the establishment of extensive clusters of research and development in marine biosciences. New Brunswick excels at innovation in these industries by diversifying and diverting biomass and waste streams to higher-value uses and developing aquatic animal health services and expertise to support a sustainable aquaculture industry.

Over **200** years of innovation...
...from concept to commercialization



Start with the **SOURCE**

RESEARCH CAPACITY

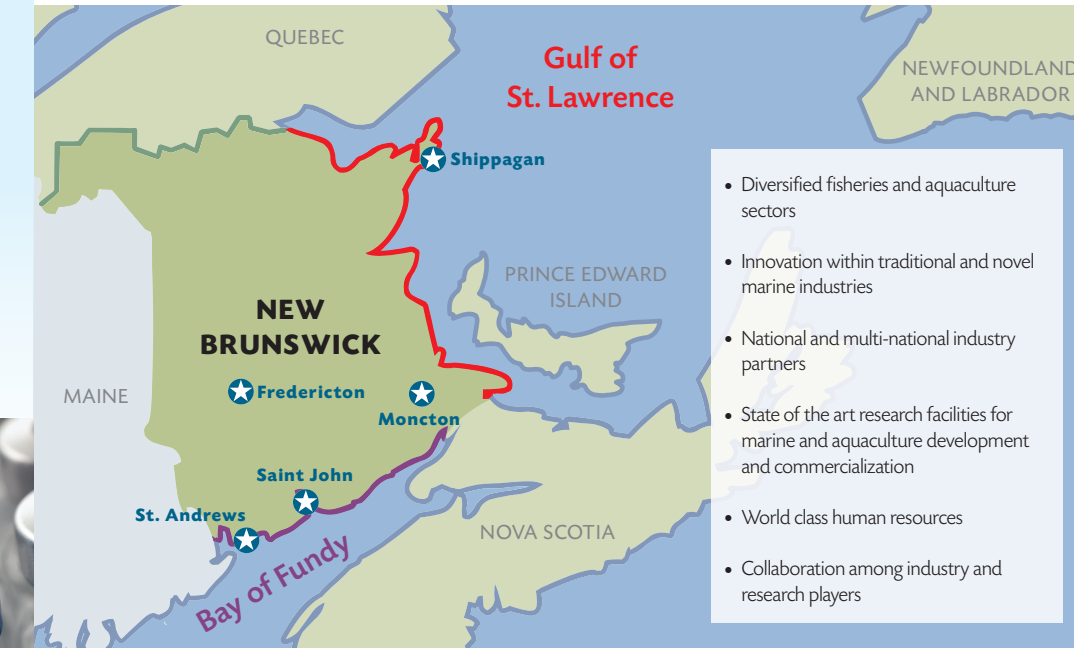
New Brunswick invests significant research dollars on extracting value from our rich marine resources. Marine research is focused on new technologies that allow for the purification, isolation and characterization of bioactive ingredients to create new value-added products for the aquaculture, natural health and food markets. New Brunswick's expertise in aquatic animal health research, infrastructure and its entrepreneurial drive gives rise to a unique aquatic animal health cluster. This dynamic cluster is made up of producers, academic institutions, private institutes, diagnostic facilities and enabling government agencies, all working together to support a sustainable aquaculture industry in the Atlantic region.

PARTNERS IN BUSINESS

New Brunswick's marine sciences sector is defined by the collaboration that exists between key stakeholders including industry, government, academia and our renowned research institutions. These stakeholders are focused on innovation and diversification in the industry. This collaborative environment has spawned countless research ideas and fostered them from concept to development and into commercial deployment. Production of natural seafood flavourings from traditional shellfish and fish processing, fish vaccines and integrated multi-trophic aquaculture (IMTA) are all examples of commercialization success stories.

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Clusters of Capacity + **2** Distinct Coastlines



- Diversified fisheries and aquaculture sectors
- Innovation within traditional and novel marine industries
- National and multi-national industry partners
- State of the art research facilities for marine and aquaculture development and commercialization
- World class human resources
- Collaboration among industry and research players

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Expertise and capacity
Abound

Opportunities to partner from coast to coast – with academia, industry and private sector research facilities.

New Brunswick is your first stop for marine R+D.



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