

**2008**

**W.E. Lorne Clayton, RPBio.**  
**Curriculum vitae**

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Mr. Clayton, a marine biologist by training (RPBio.), graduated from the University of Alberta in 1975. After 10 years of employment as an extension biologist with Fisheries and Aquaculture Ministries in British Columbia, he left government to launch, what is now, ***IEC COLLABORATIVE MARINE RESEARCH AND DEVELOPMENT LTD. (IEC INTERNATIONAL)***

Mr. W. E. Lorne Clayton is Co-owner and Director of ***IEC INTERNATIONAL*** a private aquatic research and development company with offices located in Victoria, and Comox, British Columbia CANADA. ***IEC...*** is proud of its record of over 520 successfully completed projects in 15 countries over the last 20 years. The company has successfully completed projects in Brazil, Mexico, Singapore, Japan, Hong Kong, China, Taiwan, Chile, Ecuador, USA (including Hawaii), Australia, Belgium, and Canada.

Mr. Clayton has, over the past few years; specialized in the areas of development, research, management, facilitation: and conflict resolution in the fisheries and aquaculture sectors. A sampling of these activities include:

- **Exec. Director- Canadian Highly Migratory Species Foundation;**
- **Exec. Director – Pacific Coast Shrimpers’ Cooperative Association;**
- **Exec. Director – Live Marine Fish Research Society;**
- **Government Advisory and Liaison – Federal, First Nation, Provincial, Regional,**
- **International Government Advisory – Federal, State (Brazil, Mexico)**

- **Industry/Science Reviewer- Invited External Reviewer PSARC (Pacific Scientific Advisory Review Committee, and CSR Document US Congress Committees; Tuna Advisory Board, NEPTUNE-Advisory Committee;**
- **Management & Project Development- Geoduck, Oysters, Clams, Cockles, Scallops, Sea Urchin, Sea Cucumber, etc.;**
- **Conflict Resolution—Fishery/Public Gear Conflict Resolution;**
- **Facilitation -- First Nations Eulachon Resource Conflict;**
- **Strategic Development – S/D Plan Northern BC- Shellfish Aquaculture;**
- **Facilitation -- Live Marine Fish Research Society- Executive Director**

Mr. Clayton, also specializes in the field of new aquaculture species development and his company and associates have been instrumental in introducing, and developing technologies related to Geoduck, Manila clam, Sea Urchin, Sea Cucumber, Cockle, Belon and Pacific Oysters, and Scallop Culture in British Columbia.

Mr. Clayton has an excellent background in value added product development, and business development. A sampling of these activities include:

- **Seafood Product Development, Quality, and Safety:**
  - **BC Albacore Tuna- - Belgium, United States, & Canada**
  - **Shellfish Products - - Brazil, Mexico**
  - **Value Added Shellfish-Nevada, Southern California, British Columbia.**
  - **Specialty Oyster Products-Taiwan, Hong Kong, Singapore.**
  - **Specialty Value Added Seafoods- Canada, USA, Brazil.**
  - **Frozen Clams- Hawaii.**
- **Development of product packaging and labels and POS Materials: *Marishell Products Ltd.; Gigas Growth Systems Ltd; Canadian Highly Migratory Species Foundation; Pacific Coast Shrimpers Cooperative Association; Raven's Own Natural Fertilizers; Gold River Seafoods, Suncoast Shellfish, Steamer Brand Shellfish.***
- **Business Plan Development: Technical Reports for Public Offerings; Private Business Plans (USA, CANADA, MEXICO, BRAZIL).**
- **Editor:- PCSCA Newsletter (1997- Current).**
- **Editor:- Canadian Highly Migratory Species Foundation Newsletter (2002- Current).**
- **Editor:- Live Marine Fish Research Society Newsletter (2001-2004).**
- **Development of Corporate Identify (Logo/Ad and Promotional Material) – Gigas Growth Systems Inc. - - Legacy Fish Products Ltd. - - Pacific Coast Shrimper's Cooperative Association - - Live Marine Fish Research Society. ....**
- **Development – IEC Corporate Web Site (1999), PCSCA Web Site (2001)**
- **Editor:- PC Mackerel Cooperative Association Newsletter (1998-2000);**

- **Key Note Speaker-Project/Paper Presentation:** Australia, Brazil; Mexico; Los Angeles; Virginia; Las Vegas; Hawaii; La Jolla, Reno, Taiwan; Singapore; Hong Kong; Washington State; Oregon; Halifax; Dartmouth; St. John's, Reno, all parts of coastal and interior British Columbia.

**Mr. Clayton, and business partners Thomas Broadley, Ian Sutherland work closely with First Nations in British Columbia in areas of strategic corporate development, training, mentoring, and business planning. We have been pleased to have worked directly with the: Comox Indian Band; Nuu-chah-nulth Tribal Council; Klahoose First Nation; Kwakwaka'wakw First Nation, Oweekeno First Nation, Penelakut Tribe, T'sooke First Nation, Chemainus and Cowichan Tribes, Sliammon Band, Lax Kw'alaams, and many others.**

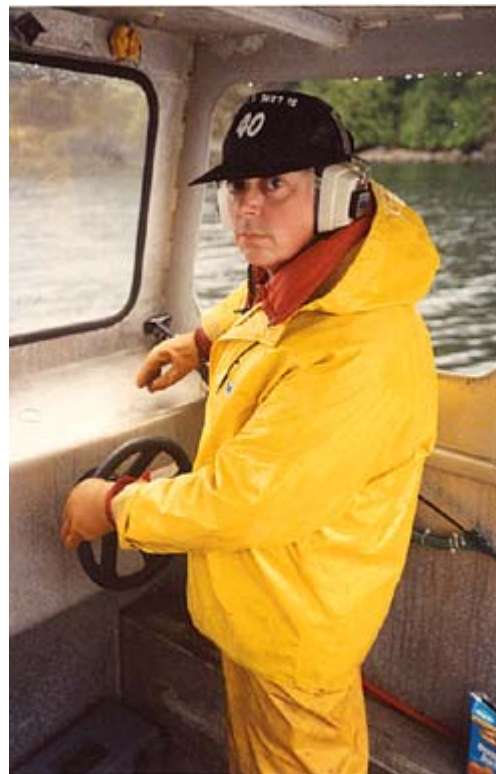


**In addition to his work in IEC... Mr. Clayton has served on the Board of Directors of two Public, and numerous private, companies specializing in aquaculture development and seafood processing and marketing. Mr. Clayton is a certified SCUBA –Dive Master, makes voluntary contribution of time to numerous committees, and has been instrumental in the introduction, development and implementation of various aquaculture and fisheries technologies, and is HACCP Trained.**

Mr. Clayton has, over his career, also been involved in the following activities:

- **Executive Director:-Canadian Highly Migratory Species Foundation (2002- )**;
- **Executive Director: - Pacific Coast Shrimpers Cooperative Assoc. (1997- )**

- **Executive Director:- Live Marine Fish Research Society (2001 -2006);**
- **APB Registered Professional Biologist (1983- ).**
- **C.I.D.A.- Brazil Mariculture Linkage Program.**
- **First Nations Shellfish Aquaculture Training (FNSAT) Strategy Advisory Committee**
- **Canadian Foundation for Innovation- Reviewer**
- **BC Tuna Advisory Board**
- **Member:- Southern Gulf of Georgia Water Quality Round Table (2001-2003);**
- **Expert Peer Review Committee-CRS document to US Congress Committee on Seafood Trade Policy. (External Contributor) 2000 and Offshore Aquaculture (External Contributor) 2004.**
- **Geoduck Enhancement and Research (GEAR) program- Exec Dir. (1998-2000)**
- **Chair:- T'Sou-Ke Mariculture Initiative Committee (2001- 2002);**
- **Director - BC Aquaculture Research and Development Council (1990-1992).**
- **Steering Committee- The Coastal Inshore Fisheries Management Conference.**
- **G.R.E.A.T. Awards Committee Member- BC Science Council (1998-2003).**
- **British Columbia Shellfish Growers Association -Director**
- **Research Reviewer- N.S.E.R.C. & BC Science Council**
- **Aquaculture Association of British Columbia-Vice President (1986-1990)  
President (1990-1992)**
- **Clam Farmers Association of British Columbia-Director/Founder (1990-1992)**
- **Regional Planning Com. for the Development of Aquaculture in Northern BC**
- **International Committee for Infectious Shellfish Disease.**



Mr. Clayton has developed and taught courses in aquaculture at the University of Santa Catarina in Florianopolis, Brazil, the Bamfield Marine Station (BC), Malaspina University College (BC), and North Island College (BC), NVIATS, and has been an invited lecturer at meetings, conferences, and workshops in many countries.

He has authored and co-authored over 130 reports, presentations and published articles on local, national and international aquaculture development and fisheries issues, policies and strategies, and has made numerous presentations at regional, national and international meetings. In addition he has consulted to national governments in Brazil, Mexico, USA, as well as all levels of government (Federal – Provincial - Regional District - Village) in Canada, including First Nations.

Over the past 30 years, additional experience has been gained the other specialized areas including:

- **Environmental Evaluation**
- **Aquaculture Development**
- **Biological Assessment**
- **Site Development**
- **Corporate and Project Management**
- **Troubleshooting**
- **Technology Transfer**
- **3<sup>rd</sup> Party Business Plan Analysis**
- **Business Planning**
- **Research**
- **Technical Development**
- **Consultation and Teaching.**
- **Planning & Hosting Conferences**

Additional information may be found on the IEC International... Corporate Brochure or Website at <http://www.ieccorporate.com>.

**W.E. Lorne Clayton**  
**SELECTED --ARTICLES/PUBLICATIONS/PRESENTATIONS**

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