

## Curriculum Vitae

**Robin M. Brown**



### **Education:**

1976                      Graduated from the University of British Columbia with a Bachelor of Science (Marine Biology) degree.

### **Employment:**

**January, 2002 to present:**

**Division Head of the Ocean Science and Productivity Division (renamed Ocean Sciences Division in 2005) at the the Institute of Ocean Sciences (Department of Fisheries and Oceans).**

In this position, I am presently responsible for the development, planning and leadership of research programs in ocean science, with a staff of more than sixty persons (research scientists, professionals, technicians and administrative support staff).

**August 1999 to January, 2002:**

**Employed as the Acting Division Head of the Ocean Science and Productivity Division at the the Institute of Ocean Sciences (Department of Fisheries and Oceans).**

In this position, I am presently responsible for the development, planning and leadership of research programs in ocean science, with a staff of more than sixty persons (research scientists, professionals, technicians and administrative support staff).

I am also serving as Chairman of the PICES Technical Committee on Data Exchange (TCODE).

**February 1992 to August, 1999 :**

**Employed as the Oceanographic Data Manager at the Institute of Ocean Sciences (Department of Fisheries and Oceans).**

My responsibilities include:

- planning, organizing and managing a program to ensure proper archival, security and distribution of oceanographic data
- developing and implementing standard data formats and processing software
- coordinate processing and analysis of oceanographic data
- development of web-based inventories of DFO oceanographic data holdings
- assisting and advising internal and external clients in the use of DFO oceanographic data holdings.

Additional duties include:

- Chairman of the PICES Technical Committee on Data Exchange 1995 to present.
- member of the DFO Science National Data Management Working Group

**June 1985 to Jan. 31, 1991: Employed as a Multidisciplinary Oceanographer with Ocean Ecology Group at the Institute of Ocean Sciences (Department of Fisheries and Oceans).**

Ocean Ecology group (now Ocean Environment and Fisheries) conducts multidisciplinary research into factors controlling the distribution and abundance of plant and animal plankton in coastal and oceanic waters.

My responsibilities included:

- development of real-time data acquisition, display and processing systems for oceanographic instrumentation
- carrying out routine and specialized processing of oceanographic data
- providing advice and assistance in all computer-based operations for the group
- carrying out oceanographic sampling missions

**May 1979-June 1985: Employed as an Oceanographer with Seakem Oceanography Ltd., Sidney, B.C. (now AXYS Environmental Consulting Ltd.)**

During my employment with Seakem Oceanography Ltd., I was involved primarily in the development of remote sensing techniques for mapping plankton distributions and their application to fisheries oceanography and conducting physical oceanographic studies in support of research or engineering applications.

**1976-1979**

**Employed as a Research Assistant - University of British Columbia**

My duties included conducting field operations, oceanographic sampling and laboratory analysis at the Controlled Ecosystem Populations Experiment (C.E.P.E.X.) facilities at Patricia Bay.

### **Publications and Reports**

Lucas, B.G., Verrin, S., and **Brown, R.** (Editors). 2007. Ecosystem overview: Pacific North Coast Integrated Management Area (PNCIMA). Can. Tech. Rep. Fish. Aquat. Sci. 2667: xii + 105 p

Gargett, A. E., M. Li, and **R. Brown.** 2001. Testing the mechanistic explanations of observed correlations between environmental factors and marine fisheries. Can. J. Fish. Aquat. Sci. 58:208-219

Gargett, A. E., M. Li, and **R. Brown.** 1998. Testing the Concept of an Optimal Stability 'Window'. in Holloway, G., P. Muller and Diane Henderson (ed.) 'Aha Huliko'a: Biotic Impacts of Extratropical Climate Variability in the Pacific. SOEST Special Publication-1998

Mackas, D.L., R. Keiser, M. Saunders, D. R. Yelland, **R.M. Brown** and D.F. Moore. 1997. Aggregation of euphausiids and Pacific hake (*Meluccius productus*) along the outer continental shelf off Vancouver Island. Can. J. Fish. Aquat. Sci. 54:2080-2096.

**R.M. Brown**, K.L. Denman, G.A. Borstad, and J.R. Parks. 1993. The use of satellite imagery to direct research ship sampling operations. Fish. Oceanogr. 2:3/4 pp 184 -190.

Forbes, J.R., **R.M. Brown**, D.L. Mackas and S. Cerniuk. 1990. Zooplankton distribution and associated biological, physical and chemical data: Barkley Sound, Vancouver Island, May and June 1989 (MASS Program). Can Data Rep. Hydrogr. Ocean Sci. 77: 109p.

Forbes, J.R., D.L. Mackas, **R.M. Brown**, K.L. Denman and E.A. MacIsaac. 1990. Zooplankton distribution and associated biological, physical and chemical data: Barkley Sound, Vancouver Island, April 1987 and May 1988 (MASS Program). Can. Data Rep. Hydrogr. Ocean Sci. 76: 139 p.

Forbes, J.R., K.L. Denman, D.L. Mackas, and **R.M. Brown.** 1988. Ocean Ecology data report: Subarctic Pacific Ocean, May 1984 (PROJECT SUPER). Can. Data Rep. Hydrogr. Ocean Sci. 64: 147 p.

Juszko, B., **R.M. Brown**, B.R. de Lange Boom and D.R. Green (1985). A Wave Climate Study of the Northern British Columbia Coast. Unpublished report submitted by Seakem Oceanography Ltd. to the Marine Environmental Data Service, Department of Fisheries and Oceans, Contract No. 51SS.FP802-2-2034.

**Brown, R.M.**, W. Heath and B.R. de Lange Boom. 1985. Oceanographic Study of Proposed Outfall Routes at Skidegate, B.C. Unpublished report by Seakem Oceanography Ltd. to Dayton and Knight Engineering Ltd.

**Brown, R.M.** and B.R. de Lange Boom. 1984. Testing of the vessel-based Waverider information processing system at Tofino, B.C. Unpublished report by Seakem Oceanography Ltd. to the Marine Environmental Data Service, Department of Fisheries and Oceans, Contract No. 52SS.FB802-4-2035.

**R.M. Brown** and G.A. Borstad, 1982. Chlorophyll a determinations from solar stimulated in vivo fluorescence. Unpublished report by Seakem Oceanography Ltd. to Dept. Fisheries and Oceans, Contract No. 0SB81-00211.

G.A. Borstad and **R.M. Brown**, 1982. A study of the relationship between salmon abundance and oceanographic conditions off the British Columbia coast. Unpublished report by Seakem Oceanography Ltd. to Dept. of Fisheries and Oceans, Contract No. 1SB81-00108.

G.A. Borstad, **R.M. Brown**, D. Truax, T.R. Mulligan and J.F.R. Gower, 1981. Remote sensing techniques for fisheries oceanography - some examples from British Columbia. North Atlantic Fisheries Organization Sci. Doc. Series 4:69-76.

G.A. Borstad, **R.M. Brown**, D. Truax, T.R. Mulligan and J.F.R. Gower, 1981. Application of remote sensing techniques in oceanographic studies of the British Columbia salmon fishery. Proc. 7th Can Symposium on Remote Sensing, 269-277.

G.A. Borstad and **R.M. Brown**, 1981. Airborne remote sensing of sea surface chlorophyll and temperature along the B.C. coast. Unpublished report by Seakem Oceanography Ltd. to Dept. Fisheries and Oceans, Contract No. 1SB79-00097.

**R.M. Brown** and G.A. Borstad, 1981. Canada-France Ocean Optics Experiment. Sea truth data for stations in British Columbia waters. Unpublished report by Seakem Oceanography Ltd. to Dept. Fisheries and Oceans, Contract No. 1SB79-00097.

## **Other Training and Education**

Camosun College	Math 174, Refresher Course for Technologists Introductory Electronics (Course Number unknown) ELEL 503, Digital Techniques for Technologists - 1 (Dec 1985) ELEL 504, Digital Techniques for Technologists - 2 (Apr 1986)
University of Victoria	Computer Programming in FORTRAN
Digital Equipment Corp.	Introduction to VMS (May, 1986) VMS Utilities and Commands (May , 1986)
Computer Associates	DISSPLA Introductory Course (June, 1986)
W.H.M.I.S. (Workplace Hazardous Material Information System) training	
P.A.D.I. Advanced Scuba Certification	
Oracle Database	Introduction to SQL*FORMS Version 3 (Mar 1991) Introduction to SQL*PLUS Version 6 (Mar 1991) Database Administration Version 7 (Dec, 1992)
Geographic Information Systems:	
	Introduction to QUIKMAP (Jan, 1992) Advanced QUIKMAP and Digitizing (Jan ,1992) Introduction to ArcView (June, 1998)
Stargate Consultants Ltd.	Effective Motivation and Leadership of Technical and Scientific Staff (October, 1999)
Fisheries and Oceans Canada	Windows and Office XP (May, 2003)
Det Norske Veritas	Loss Control Management (January, 2000)
Fisheries and Oceans Canada	Management Development II (May, 2000)
Fisheries and Oceans Canada	Management Development III (Nov/Dec, 2000)
Fisheries and Oceans Canada	Hand's On Approach to Staffing (April, 2007)
Public Service Alliance of Canada/ – Treasury Board Secretariat	Union-Management Consultation June 14-15, 2007

**Awards and Recognition:**

1993 – Deputy Minister's Commendation for contributions to the Fisheries Management Information Study Team

2001 – Assistant Deputy Minister's Certificate of Appreciation for contributions to the Organization of the First National Science Workshop

2009 – DFO Prix d'Excellence for contributions to the team that worked to get Bowie Seamount designated as a Marine Protected Area

2009 – Immediate award from the Assistant Deputy Minister for contribution to the proposal to refit the CCGS Nahidik

2010 – Assistant Deputy Minister's Distinction Award for contributions to the visit of the Emperor of Japan to the Institute of Ocean Sciences.