

## **DOUG CORRIN, M.Sc. in GIS, RPF**

### **BIOGRAPHICAL SKETCH**

Doug earned a BSF (UBC) in 1985. He then worked as a silviculturist for several years for a consulting firm in coastal BC. In 1990 he joined the Forestry Department at Malaspina University-College (now Vancouver Island University). He has taught courses in GIS, spatial data, forest mensuration, forest pathology, forest entomology, and ecosystem mapping. He also designed an expert system (the Tree Doctor) for diagnosing forest health problems. Doug completed the UniGIS Postgraduate Certificate in GIS from Simon Fraser University and a Master of Science in GIS degree from Manchester Metropolitan University. Administrative contributions to VIU include: Interim Dean of Science and Technology (2007), Senator for Science and Technology, and Area Chair for Science & Technology. He is currently the Forestry Department Chair.

Doug is active in the forest industry; in the summer months he works as a consulting forester. His work is generally located in the mid-coast and Haida Gwaii with a focus on managing silviculture operations as well as forest policy and planning.

### **EDUCATION**

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| 1985 | <b>Bachelor of Science in Forestry</b><br>University of British Columbia - Resource Management |
| 2002 | <b>Postgraduate Certificate in Theoretical and Applied GIS</b><br>Simon Fraser University      |
| 2003 | <b>Master of Science in GIS</b><br>Manchester Metropolitan University                          |

### **PROFESSIONAL ACCREDITATION/ MEMBERSHIPS**

- Association of B.C. Professional Foresters - Registered Professional Forester (RPF) 1987
- Canadian Institute of Forestry (CIF) , Vancouver Island Section – member
- Coastal Silviculture Committee – Director
- Forest Measurements Board - Director
- Forest Service - Silviculture Survey Certification 1987
- Forest Service - Residue & Waste Survey Certification 1992
- ASTTBC - Accredited Timber Cruiser 1996

## WORK EXPERIENCE

- 1990 – present      University-College Professor  
Vancouver Island University (Malaspina University-College)
- Courses taught include: Forest Pathology, Forest Entomology, Spatial Data, GIS, Ecosystem Mapping, Forest Biometrics, Integrated Resource Management, Computer Applications, and Statistics
- 2007 - 2008      Associate Dean and Interim Dean of Science & Technology  
Vancouver Island University (Malaspina University-College)
- 1990 – present      Proprietor  
Corrin Forestry Consulting
- Advise on silviculture operations, forest policy and forest management planning
  - Prepare Site Plans, audit planting and survey contracts
  - Train forest industry personnel in ecosystem identification & mapping
  - Test new inventory procedures and provide feedback (RIC – Forest Vegetation Inventory)
  - Acquired FSC certification for a Forest License in the mid-coast
- 1987 – 1990      Silviculture Forester / Silviculture Director  
Coast Forest Management
- planned and coordinated the silviculture programs for four forest licenses and a timber license
  - coordinated seed and planting stock inventories
  - directed development of forestry software applications
  - Program Manager for the South Moresby Forestry Replacement Account (SMFRA) implementation contract
  - negotiated and prepared silviculture and nursery contracts
- 1986      Field Forester - Microsite Forestry Consulting
- 1986      Research Associate - Western Ecological Services
- 1985      Research Technician - Pacific Forestry Centre

## PROFESSIONAL & SCHOLARLY ACTIVITY

**Tutorial: Introductory GIS using Terrasoft ver.10.** 1991. Funded by the Centre for Curriculum and Professional Development (Ministry of Advanced Education).

**Project: Established Malaspina University-College as the Coastal Delivery Centre for the Forestry Continuing Studies Network.** 1992.

**Tutorial: Use of Residue & Waste Handheld Software.** 1992. Funded by the Centre for Curriculum and Professional Development (Ministry of Advanced Education). Conducted by D. Corrin and B. Ostrand; designed for forestry students.

**Workshop: Introduction to Forestry & GIS for the Nuu-Cha-Nulth Tribal Council (NTC).** 1992. A custom workshop designed and delivered to First Nations (NTC) students.

**Collation of Forest Pathology Images on Laser Disk.** 1993. Funded by the Centre for Curriculum and Professional Development (Ministry of Advanced Education). Utilizing analogue laser disk technology to provide random access to a large collection of slide images – designed for Forest Health Instructors in BC

**Forest Pathology Image Viewer (“Conk CD”).** 1994. Funded by the Centre for Curriculum and Professional Development. Digital capture of images from laser disc and development of a multimedia interface to provide easy random access of the images – designed for student use.

**Workshops: Utilizing Multimedia in the Post-Secondary Classroom.** 1994 & 1995. A series of workshops were presented by L. Hammond-Kaarremaa and D. Corrin to faculty at Malaspina and UBC.

**Workshop: Introduction to GIS.** 1994. Funded by the Ministry of Advanced Education. A one-week workshop for instructors from colleges around the province designed and delivered by B. Slobodian and D. Corrin. At this time Malaspina was the only college to teach GIS in BC.

**Workshop: How to Teach GIS.** 1995. Funded by the Ministry of Advanced Education. A follow-up one-week workshop for instructors from colleges around the province, with a focus on implementation issues designed, based on feedback from BC College Instructors, and delivered by B. Slobodian and D. Corrin

**Tree Doctor.** 1995-2009. Funded primarily by the Ministry of Forest, with assistance from Malaspina and the Centre for Curriculum and Professional Development (Ministry of Advanced Education). Designed by D. Corrin and programming implementation by A. Speed. Functionality includes:

- ⇒ expert system to diagnose unknown pests,
- ⇒ tool to estimate hazard & risk, and
- ⇒ multimedia and web reference

**Effective Implementation of GIS Instruction at a Community College.** 1996. Panelist presentation at the Association of American Geographers 1996 Annual Meeting - Charlotte, North Carolina.

**Program Proposal: One-Year Advanced Diploma in GIS.** 1997. A one-year program proposal submitted to and approved by the Ministry of Advanced Education (unfortunately the program did not receive funding, it would be several years before VIU would launch the ADGIS program).

**Big BAF: A Very Efficient Sampling Method for Cruising Timber.** 1998. The results of a class project that implemented an innovative sampling approach was published in the *John Bell & Associates Cruising & Inventory Newsletter*, and the results were presented at the Annual BC Coastal Cruiser's Seminar.

**Workshop: Introduction to GIS - Belize.** 1998. As part of a CIDA/ACCC grant for Malaspina University-College and Belize University-College of Belize (UCB) Water Quality Project, a customized two-week workshop was delivered in Belize for Instructors at UCB.

**Project: Acquisition of FSC (Forest Stewardship Council) Certification for Timfor Contractors Ltd.** 1998-2000. This was a significant accomplishment as the certification was only the second FSC certification in BC and the first for a forest company.

**FSC Certification of Timfor.** 2001. Panelist presentation on *Certification Perspectives* at the Association of BC Professional Foresters 53<sup>rd</sup> Annual General Meeting – Kamloops, B.C.

**UNIGIS Postgraduate Certificate** 2000-2002. Simon Fraser University. Two-year online GIS program.

**MSc in GIS** 2003. Manchester Metropolitan University. Obtained a one year PD Assisted Leave to obtain a Master's degree.

**Instruction Website** 2003 - present. An early adopter of website use for instruction. Admittedly the first version was rather primitive; presently I utilize both VIULearn (D2L) and my own website to present and host instruction materials.

**Administrative Duties – Science & Technology Office of the Dean** 2007-2014. Fulfilled various roles, including Associate Dean, Interim Dean and Faculty Chair. Primary duties focused on budgets and workloads (a challenging task during the years of significant budget reductions).

**Adoption of Wikispaces for Student Collaborative Writing** 2012 – present. Wikispaces provides a web platform for students to collaboratively write, edit and post articles. Two key aspects are students editing each other's work and having all work posted on the web for all classmates to view.

**Forestry Goes Paperless** 2014 - present. A joint effort by B. Beese and D. Corrin to incorporate iPads into the curriculum of the Forestry Diploma Program.

**Lightboard Video Videos** 2016 (ongoing). Exploring the use of short videos to supplement material delivered in class.

## **COMMITTEE & VOLUNTEER ACTIVITY**

1990 – 1992	MUC President’s Advisory Committee
1993 – 1997	MOF Forest Health Committee
1997 – 2002	Leader – Beavers & Cubs (Scouts Canada)
1999 – 2005	Soccer Coach – for youth boys
2005 – 2007	Soccer Coach – for youth girls
2003 – 2008	VIU Assisted Leave Committee (Chair: 2005-2008)
2010 – 2012	VIU Senator – Science & Technology Representative
2010 – 2012	VIU Planning & Priorities Standing Committee