

DANIEL BRYCE

1105 - 5885 Cunard Street Halifax, Nova Scotia, B3K 1E3

P: 902-293-2251 E: dbryce@gmail.com

Highlights

- Master of Planning from Dalhousie University (Dal), Post-Graduate Certificate in Geographic Information Systems (GIS) from the University of the Fraser Valley (UFV), and a Bachelor Degree (geography major) focusing on coastal processes and land use planning.
- Extensive interactions with various levels of management and provision of expert advice on Spatial Planning and GIS applications to committees working within the Government of Nova Scotia.
- Proficient in researching, analyzing and reporting on policy documents working with the Government of Nova Scotia and through assistantships with CBCL, UFV, and Upland Planning & Design Studio
- Practical experience in ArcGIS with Province of Nova Scotia, Upland, CBCL, and Urban Perspectives Landscape Architecture & Planning.
- Exemplary presentation skills, ability to facilitate stakeholder engagement and project planning, tracking and reporting developed through work in various consulting positions.
- Practical experience in environmental analysis & project implementation gained through positions with Atangard Community Project Society, Maple Leaf Environmental & Cherie Enns Consulting.
- International experience with environmental issues conducting research and providing GIS support with Ardh University in Tanzania and Goal4 in Kenya.
- In-depth understanding of issues in Nova Scotia working on projects through the Province of Nova Scotia, the Atlantic Climate Adaptation Solutions Association, CBCL and Dalhousie.
- Skilled with Esri ArcGIS, Apple and Microsoft Office programs, Google Sketch-up and Adobe Creative Suite, applied in various consultant & research assistant positions.

Recent Work Experience

Dalhousie University Earth Science – Instructor (NS)

Sept 2015 – Dec 2015

Develop and deliver lectures, tutorials and tests for the course Introduction of Physical Geography.

Government of Nova Scotia – Coastal GIS Coordinator (NS)

Feb 2015 – Nov 2015

Working within the Marine and Coastal Advisory Service Division of the Department of Fisheries and Aquaculture (NSDFA) and the Land Protection Branch of the Department of Agriculture (NSDA), duties include: coordinating the development and implementation of a GIS integration and open data strategy for all provincial dykeland, coastal and marine geospatial data and advise on related policy around data acquisition, development and use.

CBCL Limited Consulting Engineers – Planning Assistant (NS)

Nov 2013 – Feb 2015

Duties include: project and policy research, site analysis, consulting stakeholders, facilitating public engagement, GIS mapping and report writing and formatting. Most recent project involved researching and compiling coastal planning and engineering adaption options for Atlantic Canada.

Dalhousie University Planning – Research Assistant & GIS Tech (NS)

Feb 2014 – April 2015

Responsible for building GIS models and organizing data for a study of Nova Scotia populations vulnerable to climate change and sea-level rise. Other duties included researching land use regulations, leading project meetings and writing GIS technical reports.

Previous Work Experience

Upland Planning & Design Studio – Planning & GIS Tech (NS)

Sept 2014 – Dec 2014

Duties include: project research, site & policy analysis, facilitating public engagement, GIS mapping, managing the GIS Database and report writing and formatting.

Urban Perspectives Landscape Architecture & Planning – GIS Tech (NS)

Aug 2014 – Dec 2014

Project consultant creating maps of land ownership for public consultation. Incorporating public feedback into map layers for online representation.

Cherie Enns Consulting – Planning & Community Development (BC)

April 2012 – Aug 2013

Part of an inter-disciplinary team that works with municipalities, community groups, and for-profit and non-profit associations providing services ranging from research to project implementation.

Abbotsford Community Foundation – Research Consultant (BC)

Aug 2013 – Sept 2013

Responsible for data collection for Abbotsford Vital Signs Community Survey. Topics include political engagement, poverty, affordable housing, immigrant services, municipal service delivery, etc.

Ardhi University (ARU)/AUCC – Planning Intern & GIS Tech (Tanzania)

May 2013 – Aug 2013

I was funded by the Canadian International Development Agency to work on climate change projects. Including, research on the impact of flooding on informal coastal settlements and resettlement of vulnerable populations. Assisted Faculty and PhD Candidates in the Institute of Human Settlement Studies with GIS mapping and data preparation for various research publications.

Making Africa Work – Research & Development Consultant (Tanzania)

May 2013 – Aug 2013

Worked on RFPs, MOUs, ToR's and Corporate Social Responsibility documents for various projects, including a youth engagement contract with Save the Children and a partnership between UN-Habitat (Kenya) and UFV to create a mobile education system.

Athabasca U / University of the Fraser Valley – Research Assistant (BC)

Jan 2013 – Jun 2013

Worked with faculty from three Universities (UFV, Athabasca and Concordia, AB) researching policy documents pertaining to changes to Canadian post-secondary school degree granting status and how the change of designation translates into internal administrative and academic transformation.

Chilliwack Social Research and Planning Council – Research Assistant (BC)

Jan 2013 – Jun 2013

Assisted in designing an engagement-focused survey for all middle and high schools in Chilliwack, BC to analyze root causes of low high school completion rates. Collected data and coded surveys.

The Representative for Children and Youth BC – Research Assistant (BC)

April 2012 – June 2012

Assisted in design of online assessment tool to measure child & youth perspectives of youth services in British Columbia. Facilitated 10 confidential participatory workshops with children & youth.

Maple Leaf Environmental & Safety – EH&S Advisor (Alberta)

Jan 2012 – March 2012

Environmental, Health and Safety Advisor on Cenovus Energy geophysical exploration sites. Ran safety meetings and site orientations for 30+ employees, advised on emergency response plan and ensured contractors were abiding by environmental policy. Worked with GIS technician to identify and map potential safety hazards and risks.

Goal4 – GIS/GPS Technician (Kenya)

Aug 2011 – Oct 2011

Surveyed and mapped homes, schools, medical facilities and sanitation points in the village of Sega, Kenya. Supported the initial stages of development for a health survey, electronic records and GIS interface to improve healthcare delivery through information and communication technology.

Atangard Community Project Society – Founding Director/Administrator (BC)

July 2007 – Aug 2012

Developed and managed communal housing for students and young professionals; organized Jam in Jubilee, a community summer concert series, in 2010, 2011 & 2012; created a community garden and networked with other community gardens; initiated Abbotsford's first co-op auto-share program.

Major Projects

Policy Development and Analysis

- Developing an agreement through RCCOM on Federal and Atlantic Provincial Departments marine spatial (GIS) data sharing, Halifax, 2015. (NSDFA)
- Developing a Mandate for the Provincial Ocean Network, Halifax, 2015. (NSDFA)
- Peer Reviewer for Offshore Energy Research Association, Halifax, 2015. (NSDFA)
- Coastal Data Management Policy Development, Halifax, 2015. (NSDFA)
- Planning and Engineering Options for Adaptation to Climate Change in Atlantic Canada, Halifax, 2014-2015. (CBCL)
- City of St. John's Urban Development Guidelines and Land Use Bylaws, St. John's, NL, 2014. (CBCL)
- Review of Policy Impacts on British Columbia University Administration, BC, 2013. (UFV)
- Development of Policy Recommendations for Rehabilitation of Vulnerable Resettled Youth, Dar Es Salaam, Tanzania, 2013. (ARU/AUCC)

Mapping and Site Analysis

- Potential Dyke Realignment and Property Acquisition, NS, 2015. (NSDA)
- Potential Impact of Sea-level Rise and Storm Events on Fisheries Infrastructure, NS, 2015. (NSDFA)
- Inventory assessment & integration of interdepartmental coastal GIS data, NS, 2015. (NSFA)
- Land Suitability Analysis for Suzie Lake Development, Halifax, NS, 2014. (UPLAND)
- Open Space Mapping, Municipality of the District of Digby, NS, 2014. (UPLAUP)
- Vulnerable Populations and Future Extreme High Water in Nova Scotia, NS, 2014. (DAL)
- Mapping Flooding of Informal Settlements, Dar Es Salaam, Tanzania, 2013. (ARU/AUCC)
- Mapping Site Hazards and Emergency Planning, Wabasca-Desmarais, AB, 2012. (Maple Leaf)
- Health Surveys and Rural Infrastructure Mapping, Segar, Kenya, 2011 (Goal4)
- Blue Heron Nature Reserve Interpretive Centre Expansion Feasibility Study, Chilliwack, BC, 2005. (CEC)

Master Plans/Action Plans/Amendments

- Victoria Park Master Plan, Truro, NS, 2014. (CBCL)
- Blomidon Terrace, Wolfville Plan Amendment, NS, 2014. (UPLAND)
- Annapolis Royal Municipal Climate Change Action Plan, NS, 2014. (CBCL)
- Lunenburg Municipal Climate Change Action Plan, Lunenburg, NS, 2014. (CBCL)
- Atangard Community Housing Development, Abbotsford, BC, 2007-2008. (ACP)

Stakeholder & Public Engagement

- Victoria Park Master Plan Public Engagement, Truro, 2013 (CBCL)
- Development of a Youth Engagement Strategy for Save The Children, Nairobi, Kenya, 2013. (MAW)
- Design, Distribution & Coding Youth Engagement Surveys, Chilliwack, BC, 2013 (CSRPC)
- Youth Participatory Workshop Facilitation, Greater Vancouver Area, BC, 2012. (RCY-BC)
- Stakeholder Engagement for the Atangard Community Project Society, Abbotsford, BC, 2009. (ACP)

Transportation Planning

- Avon Region Active Transportation Plan, West Hants, NS, 2014. (UPLAND)
- Subdivision Concepts for the Moncton Regional Sustainable Transportation Master Plan, Moncton, NB, 2014. (CBCL)
- Victoria County Active Transportation Plan, Victoria County, NS, 2014. (CBCL)

Research Presentations and Publications

Manuel, P; Rapaport, E; Bryce, D; Kang, BJ. The First 10 Metres: Coastal Flooding and the Social Vulnerability of Populations in Nova Scotia. Presentation and Poster.

- ESRI Canada User Conference (Halifax, NS, October 27th, 2015) - Poster and Presentation
- International Symposium on Digital Earth (Halifax, NS, October 8th, 2015) - Poster and Presentation
- Atlantic Flood Management Conference (Truro, NS, March 5th, 2015) - Poster

Fenech, A. et al. Providing Guidance to Coastal Communities on Climate Change. Poster.

- Atlantic Flood Management Conference (Truro, NS, March 5th, 2015) - Poster

Bryce, D. The Atangard Community Project Society: Community Through Resilience. Presentation.

- Shift: Resilience, Dalhousie School of Planning Conference (Halifax, NS, March 6th, 2014) - Presentation

Education

Dalhousie University, Halifax, Nova Scotia

Master of Planning (2015)

University of the Fraser Valley, Abbotsford, British Columbia

Certificate in GIS (2013)

Certificate of Extended Studies (2006)

Bachelor of Arts (2005)

Associate of Arts (2002)

Geographic Information Systems

History Major (Political History)

Geography Major

(Geomorphology and Community Planning)

Visual Arts Extended Minor

(Interdisciplinary Art & Design)

Scholarships and Awards

Dalhousie School of Planning Award (2015)

Dalhousie Honour Roll (2015)

ESRI Canada Higher Education GIS Scholarship (2014)

Atlantic Planners Institute Student Award (2014)

Bruce and Dorothy Rosetti Scholarship (2014)

Dean's List University of the Fraser Valley (2013)

Canadian Wind Energy Association Scholarship (2013)

Memberships and Associations

Geomatics Association of Nova Scotia

Jun 2015 – Present

Atlantic Planners Institute, Candidate Member

Oct 2013 – Present

Canadian Institute of Planners, Candidate Member

Oct 2013 – Present

Licensed Professional Planning Association of Nova Scotia

Oct 2013 – Present

Professional Development Committee

FUSION Halifax Mentorship Program

Jun 2014 – Jun 2015

Dalhousie Graduate Planning Society, VP

Jan 2014 – Dec 2014

Professional References

Bill Whitman
Manager, Nova Scotia Coastal Secretariat
Phone: 902-532-8449
Email: william.whitman@novascotia.ca

Gordon Smith, LPP, MCIP, CSLA
Provincial Director of Planning,
Government of Nova Scotia
Phone: 902.424.7918
Email: gordon.smith@novascotia.ca

Andy Fillmore, LPP, MCIP, AICP
VP Planning & Development,
Waterfront Development Corp.
Phone: 902.422.5115 x105
Email: fillmore@wdcl.ca

Dr. Patricia Manuel, LPP, MCIP, PhD
Director, School of Planning, Dalhousie University
Phone: 902-494-6597
Email: patricia.manuel@dal.ca

Eric Rapaport, LPP, MCIP, PhD
Associate Professor, Dalhousie University
Phone: 902.237.9756
Email: eric.rapaport@dal.ca

Cheryl Foreman, LPP, MCIP
President, Cherie Enns Consulting, Inc.
Professor, University of the Fraser Valley
Co-chair, Making Africa Work, Inc.
Phone: 604.504.7441 x4716
Email: cherie.enns@ufv.ca