Brian Mosley, MA, GISP

GIS Analyst

Knowledge Management KFL&A Public Health

613-549-1232×1671
1-800-267-7875

brian.mosley@kflaph.ca

brian-mosley-gisp-00a0a915

www.kflaphi.ca

220 Portsmouth Avenue
Kingston ON K7M 1V5

EXPERTISE

- GIS applications for public health

TECHNICAL SKILLS

- AutoCad
- MS Office Suite
- Minnesota Map Server, Map Guide)
- ArcGIS for Server
- ArcGIS Flex, Javascript, Silverlight
- Arc objects VBA, Python, HTML

Brian brings unique capacity to KM with GIS applications and spatial analytics. Brian works with agency staff to produce novel and specialized GIS products that enable public health program evaluation at a geographic level, leading to decision-making based on the specific needs of populations. Brian works with KM's application developers to maintain and improve the Public Health Information Management System (phims.ca). He manages provincially funded projects and contributes regularly to research with external and internal partners. Away from the office, Brian plays on several community sports teams and enjoys relaxing at his family cottage in Georgian Bay.

EDUCATION and CERTIFICATION

2017 **Geographic Information Systems Professional (GISP)**
GIS Certification Institute, Park Ridge IL

2012 **Master of Arts, Geography**
University of Ottawa, Ottawa ON

2009 **Bachelor of Arts, Geography**
University of Ottawa, Ottawa ON

PROFESSIONAL EXPERIENCE

2011-2012 **Lead GIS Analyst**
Andrews Infrastructure, Ottawa ON

Brian implemented web mapping applications to improve communication of geo-spatial information between clients, engineers, and field crews, using ESRI mapping platform. Brian updated, analyzed, and maintained large geo-databases containing sanitary sewer and wastewater infrastructure data for projects in the City of Toronto, the Region of Peel, and York Region. He created map atlases for municipal clients which displayed sewer inspection structural grades, field observations, and recommended courses of action.

2010-2012 **Researcher**
Institute for Public Health Research, University of Ottawa, Ottawa ON

Brian conducted community consultations and a participatory mapping exercise within the City of Ottawa with the goal to define neighbourhood boundaries for geographic health research. He applied GIS techniques to analyze neighbourhood physical and social characteristics and used GIS software to perform dasymetric mapping and spatial micro-simulation to investigate effects of socioeconomic status and other demographic variables within small neighbourhood units.

2009

Environmental GIS Analyst

City of Ottawa, Department of Planning Transit and the Environment, Ottawa ON

Brian applied index overlay methodology to identify sensitive habitats to be considered in the City of Ottawa's development plan. He compiled and integrated sub watershed and stream data as required for program studies and projects. Brian created, updated, and ensured the quality of geospatial datasets to be included in City's land information system

2008-2010

Geomatics Researcher (Contract)

Natural Recourses Canada–Atlas of Canada, Ottawa ON

Brian researched, compiled, and visualized the nature, characteristics, and appropriate mode of representing multi-sourced data for the publication of thematic maps online using GIS software (ArcView and ArcMap). He authored maps on the Atlas Web map server and Minnesota Mapping Server. Brian undertook a number of geospatial information projects to identify Canadian data for inclusion in the Atlas of Canada. He developed map specifications and cartographic elements along with compiling map files for Map Server and designed paper-based map products. He recorded dissemination level metadata for the Atlas of Canada products that is compliant with the International Standards Organizations (ISO) 19115:2003 Geographic Information. Brian performed quality management services to ensure the accuracy of geospatial data.

Key ONLINE APPLICATIONS

phims.ca PHIMS enhances real-time situational awareness—it PHIMS enables visualization and spatial analysis of environmental data with underlying population-based indicators. Displaying real-time data from multiple partners through PHIMS, public health events can be identified earlier to better prevent, prepare for, and respond to emergencies. Brian designed, help implement, and manages the PHIMS application.

communityhubsontario.ca An initiative of Government of Ontario, this is a networking tool meant to enable social services to use local data and mapping tools for effective community planning and informed decision-making. Brian manages the project with external projects and helped design and implement the community mapper.

Selected PUBLICATIONS and REPORTS

VanStone N, van Dijk A, Chisamore T, Mosley B, Hall G, Belanger P, Moore K. Characterizing the Effects of Extreme Cold Using Real-time Syndromic Surveillance, Ontario, Canada, 2010-2016. Public Health Reports. 2017;132(1_suppl):48S–52S. 10.1177/0033354917708354

Belanger P, Hall G, Liu L, Moore K, Mosley B, VanStone N. Mapping Urban Heat Islands in Ontario: Final Report. KFL&A Public Health: Kingston ON: December 2016.

Biro S, Williamson T, Leggett JA, Barber D, Morkem R, Moore K, Belanger P, Mosley B, Janssen I. Utility of linking primary care electronic medical records with Canadian census data to study the determinants of chronic disease: an example based on socioeconomic status and obesity. BMC Medical Informatics and Decision Making. 2016;16(1). 10.1186/s12911-016-0272-9

Selected CONFERENCE or WORKSHOP PRESENTATIONS

Mosley B, van Dijk A. Practical Uses of ACES and PHIMS during a Public Health Threat or Disaster. Emergency Preparedness in Healthcare Conference 2018; Montreal QC: 7-8 December 2018.

Moore K, van Dijk A, **Mosley B**, Zbar A, Badiani T. Acute Care Enhanced Surveillance (ACES) and Public Health Information Management System (PHIMS): A Practical Scenario-Based, Skill-Building Workshop. Pre-Conference Workshop, TOPHC 2015; Toronto ON: 25 March 2015.