

Aaron Licker

BA, ADP GIS

GIS Programmer/Analyst



EDUCATION

2006

Advanced Diploma in Geographic Information Systems (GIS), British Columbia Institute of Technology

2003

Bachelor of Arts specializing in Urban Studies and GIS, University of British Columbia, Department of Geography

AWARDS

2003

Most Proficient Geographer, UBC

2002

Geography Undergraduate Scholarship

PROFESSIONAL EXPERIENCE

2011 – PresentGIS Programmer/Analyst,
HB Lanarc-Golder
Vancouver, BC**2008 – 2011**GIS Specialist,
HB Lanarc Consultants Ltd.
Vancouver, BC**2006 – 2007**Site and Data Coordinator,
TD Great Canadian Shoreline Cleanup,
Vancouver Aquarium**2006**GIS Analyst – Yukon Watershed
Mapping Study, ESSA Technologies

Biography

Aaron holds an advanced diploma in Geographic Information Systems (GIS) from BCIT. As a GIS Programmer/Analyst Aaron's responsibilities lie mainly with spatial data modeling, custom application development and interfacing between HB Lanarc Golder team members and spatial data. Aaron currently leads the development of the spatial modeling component of CEEMAP, a greenhouse gas emissions forecasting and modeling tool. His current specialties include: Municipal and Regional population and employment growth forecasting, transportation modeling, spatial regression analysis, wildlife habitat suitability analysis, ecosystem modeling and analysis, database application development, climate impact forecasting and analysis, 3D modeling and buildout analysis, data management and data QA/QC. In the past Aaron has used his GIS skills in a diverse array of settings including, conservation, transportation planning and habitat modeling. Aaron's ability to balance a detail-oriented focus with a diverse array of team members allows him to serve as an exceptional member of any project team.

Select Project Experience

COMMUNITY + NEIGHBOURHOOD PLANNING

- Core Neighbourhood Plan, City of Regina
- Downtown Plan, City of Edmonton
- OCP Update, Town of Smithers
- OCP Update, City of Dawson Creek
- Joint OCP Update, Cities of Colwood and Langford
- Agricultural Profile and Inventory, Township of Langley
- ICSP and OCP review, City of Prince George
- SOCP, City of Campbell River
- Graham Island OCP, Skeena Queen Charlotte Regional District

ECOLOGICAL SYSTEMS ANALYSIS / ECOLOGICAL MANAGEMENT AREAS

- Ecological Systems Analysis, City of Surrey
- Sensitive Ecological Areas Update, City of Richmond
- Sensitive Ecosystem Inventory and Analysis, Otter Point - Capital Regional District

ENERGY PLANNING + GREENHOUSE GAS EMISSIONS MODELING

- Community Climate Action Plan, City of Surrey
- Climate Change Action Framework, District of North Vancouver

2005 – 2006

Student - Industry Directed Project/
Practicum, Greater Vancouver
Transportation Authority,
Department of Planning

2005

Road Builders Safety Construction
Network, Database Administrator

2002 – 2004

Research Assistant Collaborator
Dr. Lesley Andres, UBC Department
of Educational Studies

2003 – 2004

Research Assistant Collaborator
Youth Criminal Justice Act
Monitoring Study, Federal
Department of Justice

- Climate and Energy OCP discussion Paper, City of Victoria
- Downtown Plan GHG Analysis, City of Edmonton
- City-Wide GHG Analysis, City of Edmonton
- GHG Reduction Strategy, City of Coquitlam
- Climate and Energy Plan, City of North Vancouver
- Community Energy and Emissions Plan, City of Nelson
- Community Energy and Emissions Plan, City of Campbell River
- City-Wide GHG Analysis, Town of Markham
- Regional Energy and Emissions Plan, City of Ottawa

HABITAT MAPPING + ASSESSMENT

- Highway 91 Properties - MK Delta Lands, MKDL
- Albion Flats Environmental Baseline, City of Maple Ridge
- Colony Farms Charrette Habitat Assessment, Metro Vancouver
- Barnston Island Ecological Unit Analysis, Metro Vancouver
- Shell Groundbirch Predictive Wildlife Analysis, Shell Canada

MISCELLANEOUS SPATIAL ANALYSIS

- Housing Capacity Analysis, City of Prince George
- Housing Capacity Analysis, District of Mackenzie
- Boulevard Mapping and Assessment, City of Victoria
- Forest Land Cover and Carbon Analysis, North Denman Island
- Sustainability Baseline Analysis, Town of Markham
- Sea-Level Rise Analysis, Surrey Bend Regional Park
- Impervious Area Analysis, UBC
- Transportation-Related GHG Emissions Study, NRCAN
- 3D Massing and Density Analysis, City of Edmonton
- Development Constraints Mapping, New Monaco Developments
- MOT Highway Maintenance Areas Contract Pricing spatial regression analysis

PUBLIC ENGAGEMENT

- Website - OCP Phase One, City of West Kelowna
- Website - OCP, City of Kelowna
- Website - Development Plan, Squamish Oceanfront
- Website - Sustainability Plan, Comox Valley Regional District
- Presentation - Walkshed Analysis, Walk 21 Conference
- Presentation - GIS and its application to urban planning, City of Coquitlam

SUSTAINABLE CERTIFICATION

- LEED ND Certification for South East False Creek, City of Vancouver