

Natalie Lippa, B.Sc. (Hons.), M.Sc. (In Progress)

Experience: 8 years

Length of Time with Firm: 4.5 years

Environmental Scientist, Project Hydrogeologist

Permanent Residence: St. John's, Newfoundland, Canada

EXPERIENCE AND ACCOMPLISHMENTS

Ms. Lippa is currently employed as an Environmental Scientist/Junior Hydrogeologist with Fracflow Consultants Inc. Since graduating in 2000 from her B.Sc.(Hons.) she has been employed in the Oil and Gas sector and the Environmental Consulting sector. She has gained experience in fields which include geology, hydrogeology, geochemistry, geophysics, geotechnical, phased environmental site assessments, and remediation.

EDUCATION/QUALIFICATION

- Memorial University of Newfoundland, St. John's, Newfoundland.
MSc. Candidate: Studying the flux contribution from fractured bedrock to an overlying semi-confined river valley aquifer. Incorporates various aspects of hydrogeology, geochemistry and numerical modeling.
- Memorial University of Newfoundland, St. John's, Newfoundland.
Bachelor of Science (Honours): Major in Earth Sciences.

RELEVANT WORK EXPERIENCE

- 2009-2008 **Environmental Scientist/Junior Hydrogeologist**, Fracflow Consultants Incorporated, St. John's, NL. Supervise geotechnical work in Atlantic Canada, provide field support to water supply studies and remediation projects.
- 2007-2006 **Environmental Scientist**, EBA Engineering Ltd., Edmonton, AB. Responsible for assessing soil and groundwater impacts and remedial options for urban, upstream oil and gas and remote northern sites.
- 2005-2001 **Project Geologist**, Fracflow Consultants Incorporated, St. John's, NL. Supervised geotechnical work (barge locations) throughout Newfoundland. Acted as site co-ordinator for an international hydrocarbon remediation project in Bermuda. Completed various database compilation for analysis.
- 2001 **Drilling Services Engineer Trainee**, Schlumberger, Louisiana, USA. Working in Gulf of Mexico utilizing downhole surveying tools including MWD (measurements while drilling) and LWD (logging while drilling).
- 2000 **Research Assistant**, Memorial University of Newfoundland, St. John's. Preparing rock samples for aperture analysis for M.Sc. student.

1998 **Junior Assistant to Geochemist**, Department of Mines And Energy; NL. Conducting lake and stream water and sediment sampling in Labrador.

SELECTED PROJECT EXPERIENCE

2008 Marine Geotechnical Investigation, Havre Boucher, Antigonish County, NS. **Role:** Field Technician. **Client:** Public Works and Government Services Canada.

2008 Marine Geotechnical Investigation, Murphy's Pond, Inverness County, NS. **Role:** Field Technician. **Client:** Public Works and Government Services Canada.

2006 **Depressurization Hydrogeological Drilling and Testing Program, NWT.** Planned and supervised a depressurization drilling and groundwater testing program at an open pit mine site.

2006 **Hydrogeological Study, NWT.** Remedial recommendations following site investigation which included soil sampling, well installations, groundwater sampling and hydrogeological testing at a former remote military base.

2006 **Site Remediation, NWT.** Supervised the excavation and biopile soil remediation system construction and testing of an oil impacted remote site.

2006 **Phase I and Phase II ESA's, Alberta.** Responsible for assessing soil and groundwater impacts and remedial options for urban and upstream oil and gas sites.

2005-2003 **Geotechnical Projects, Newfoundland.**
Supervised numerous marine geotechnical investigations throughout coastal Newfoundland. Core logging, RQD analysis and sieve analysis required.

2003-2001 **Oil Recovery and Site Remediation Project, Bermuda.**
Worked as Site Manager for oil recovery and site remediation project. Installed and monitored oil recovery systems and associated components, biopile soil remediation system, hot water and cold water injection systems and fluid heating, separating and transferring systems. Completed scheduled sampling events for oil, water and soil geochemical analysis, water content analysis on recovered fluid, surveying, assisted with drilling of boreholes, responsible for maintenance of all equipment operations. Reported to client, provided on-site support for seasonal staff, co-ordinated contract work, carried out administrative duties and organizing. Involved in site-closure activities, various reporting and data compilations and analysis and providing support for maintenance operations.

PRESENTATIONS

- 2004 **CWN Annual Conference, New Brunswick**
Poster presentation title: “Assessing Groundwater Flux from the Fractured Bedrock to the Overburden Aquifer System”
- 2004 **CWN Annual Project Meeting, New Brunswick.**
Presented up-to-date summary of thesis work at the annual CWN Project Meeting.
- /2004 **Dynamics of Fluids in Fractured Rock Symposium, San Francisco.**
Attendee
- 2003 **CWN Annual Symposium, New Brunswick**
Poster presentation title: “Tentative Bedrock Hydrogeological Field / Simulation Program to Assess the Flux Contribution from the Fractured Bedrock to the Overburden Aquifer System.”