

Michael

Water Resources Engineer



Michael is a Water Resources Engineer with a wide variety of experience in hydroelectric and mining projects. His project work includes water management planning, hydrologic analysis, water balance and water quality modelling under a wide range of climatic and geographic conditions, and project management and coordination.

Q & A

How did you get started in your profession?

I studied Civil Engineering at McGill University, specializing in water resources. During this time I interned with a British Columbia based firm working with First Nation communities and on an economic development project for the European Union, before starting my career in the Mining Environmental Group of KCB's Vancouver office.

I consider water to be a critical foundation for a healthy society and environment, and the most important water-user is the resource industry. I felt that by becoming a consultant in the Mining Environmental Group at KCB I could make a positive impact on economies, societies and environments.

What have been the highlights of your work with KCB?

I have worked on a variety of challenging and high profile projects all over the world, and have had the pleasure of seeing direct results of my work resulting in positive impacts for my clients, local economies, communities and the environment.

How has KCB supported your career growth?

I've been fortunate to have had the opportunity to work out of KCB offices in very diverse locations – from Vancouver to Lima to London. In this environment I have had the opportunity to expand upon my international experience, learning to conduct business and to cooperate on technical issues in different languages and cultures. It has also given me a more well-rounded view of the impact of the work we do in a global context.

What do you like most about your job?

I like the technical challenges associated with large, potentially high-impact projects and knowing that my work will make a lasting difference in the world and in people's lives.

What has been your biggest achievement?

My biggest technical achievement was the Oyu Tolgoi tailings storage facility's water reclaim system that effectively recycles processed water as predicted. On the day-to-day level, I take pleasure in the creative problem solving process.

Education

B.Eng. in Civil Engineering
McGill University, 2008

Professional Affiliations

Registered Professional Engineer with the Association of Professional Engineers and Geoscientists of British Columbia

Member of the Institute of Materials, Minerals and Mining (UK)

Member of the British Dam Society

Member of the Canadian Water Resources Association

Professional History

Klohn Crippen Berger Ltd.
Manager, London, Mining Environmental Group
2013 - present
Water Resources Engineer
2008 - 2013

Egnatia Odos, S.A.
International Civil Engineering Internship
Summer of 2007

David Nairne and Associates Ltd.
Civil Engineering Internship
Summer of 2005 & 2006

You need to truly care about what you do and be able to derive personal satisfaction from it. That, and always be open to new challenges – particularly those that intimidate you.

