

DIANA BENZ, PHD

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SUMMARY

Innovative and self-motivated individual that thrives in diverse and remote settings displaying a unique combination of high performance skills including a detail-oriented mindset, a driven personality, analytical skills and a proven ability to meet tight deadlines while working in a fast-paced environment leading to the completion of successful projects and the discovery of novel mineral exploration targets within British Columbia and the Yukon.

SKILL SUMMARY

▪ Data Management	▪ Director Experience	▪ Stakeholder & Executive Communication	▪ Geochemistry & Geostatistics
▪ Data Science	▪ Business Owner	▪ Social and Environmental Risk Assessments	▪ Permitting
▪ Target Generation	▪ Project Management		▪ NI 43-101 Support

HISTORY OF EMPLOYMENT

Takom Exploration Ltd.

October 2011 to Present

President & Business Owner

- Responsible for day-to-day operations, research and development, accounting, health and safety, compliance and permitting, data science and management as well as stakeholder relations
- Managing data organization, data security, and technical support for client's, employees, contractors, executives as well as due diligence checks
- Solo-author of 15 BC mineral assessment reports, co-author of three YT mineral assessment reports and assistant to four NI 43-101 reports
- Publishing open access scripts related to geochemical exploratory data analysis and statistics in R and Python on GitHub as d-benz

Discovery Consultants

August to September 2011

Associate Geologist

- Responsible for 10-person remote field camp and crew prospecting for Carlin gold on three projects in the YT
- Managed camp and personnel logistics, sample and data collection as well as shipping and daily safety meetings
- Co-author of three YT mineral assessment reports

EDUCATION

- Doctor of Philosophy (PhD), Natural Resources and Environmental Studies, University of Northern British Columbia; 2017
- Master of Science (MSc), Earth Sciences, University of Windsor; 2006
- Bachelor of Science (BSc), General Biology, University of British Columbia; 1997

MEMBERSHIP AND ASSOCIATIONS

- Elected Director – AME BC; January 2020 to Present
- Elected Director – Women Geoscientists of Canada; 2018-Present

ASSETS

- Proposal, Grant and Report Writing
- Oral and Poster Presentations
- Statistical pattern recognition methods for the integration of multiple types of data
- Navigation using maps, compass, and GPS
- Eleven seasons summer/winter field camp tours of duty in BC, ON, YT, NWT and Greenland; both above and within the tree line
- 4x4 Truck-, ATV-, and motorbike-capable driver with basic snowcat and snowmobile operation experience
- Helicopter safety (500, B2, A-Star and 201)
- ATV/Motorcycle Safety
- Valid Class 5/6 driver's licenses and passport

MITACS & Richfield Ventures **June 2010 to January 2011**

Intern

- Responsible for project proposal, development and implementation
- Managed expenses and industry-academia communication
- Created a mineral potential index map for the Blackwater Gold Project regional area

Allnorth Consultants Ltd. **March 2008 to February 2009**

Staff Geologist

- Responsible for project development and permitting – Notice of Work and Mines Act
- Managed small field crews in field and town locations
- Created proprietary core logging database program, numerous proposals and budgets as well as internal environmental and best management procedures

Peregrine Diamonds Ltd. **January 2007 to May 2007**

Rig Geologist

- Responsible for monitoring large diameter drill hole rig functions and collecting chip samples
- Managed the databases as well as teams and provided training
- Created a consistent and high quality sample database

University of Windsor **September 2004 to December 2006**

Teaching & Research Assistant

- Responsible for student mineralogy and earth science labs
- Managed, organized and catalogued mineral specimens
- Created and marked lab exams

CF Mineral Research **August 1996 to June 2005**

& Kel-Ex Development

& Metalex Ventures

Geology Lab Assistant & Till Sampler

- Responsible for heavy mineral sample collection and processing
- Managed small field crew and supported other crews with maps and GPS coordinates
- Created mineral specimen epoxy plugs, ran scanning electron microscope analyses, as well as assisted with the research and development of proprietary diamond indicator mineral classification program

TRAINING

- NRESi Colloquium, UNBC Lecture Series, 2008-2017
- Exploration Footprints of Hydrothermal Ore Deposits, MDRU; AME BC Roundup Short Course 2013
- Understanding and Running Effective QA/QC Program, Tetra Tech; AME BC Roundup Short Course 2012
- Mineral Exploration Industry Bootcamp for Newcomers, AME BC Roundup Short Course 2012
- Management of Invasive Plants: An Ecological Approach, CMIAE, May 2009
- GIS Certificate, UNBC, April 2009
- Understanding Mineralization Controls: Applied Structural Geology to Exploration and Mining, SRK Consulting; AME BC Roundup Short Course 2009
- ATV Safety Training Course, Allnorth Consultants, 2008
- Bear/Cougar Aware training, Allnorth Consultants, 2008
- Kimberlites – Geological Principles relevant to Evaluation, Resource Classification and Mining, Mineral Services; AME BC Roundup Short Course 2008

COMPUTER PROGRAMS

- Jupyter Notebook
- Anaconda
- R Studio & Statistics
- Microsoft Office Suite 2010
- ESRI ArcGIS 8.2 – 10
- Quantum GIS 2.18
- MapSource/DNR Garmin