

## Exploration 07 Workshop 2

### Exploration Geochemistry-Basic Principles & Concepts

#### Speaker Biographies

##### **Bill Coker - BHP Billiton World Exploration Inc.**

Bill Coker graduated from Carleton University in 1971 with an Honours B.Sc. in geology and chemistry, and then completed a Ph.D., specializing in geochemistry, at Queen's University in 1974. Bill has over 40 years of experience: in the mineral exploration industry - in base metal, precious metal, uranium, tin, tungsten, diamond and more recently Fe ore and Mn exploration around the world; as well as, in government research with the GSC. For the past 12 years, Bill has worked for BHP Billiton World Exploration Inc. Bill is a long standing member of the Association of Exploration Geochemists (since 1970), a past President, with several stints as a Councillor and is currently on the Editorial Board of GEEA. Bill has published over 100 scientific articles and given some 150 presentations on various aspects of applied exploration and environmental geochemistry.

##### **Gwendy Hall – Geological Survey of Canada**

Gwendy is approaching 35 years at the Geological Survey of Canada, where her lab has been very active in creating new methodologies in exploration and environmental geochemistry. She is looking forward to continuing work in this area, but in the consulting arena. She has >200 publications, is Editor-in-Chief of GEEA, has given several distinguished lecturer series and is a recipient of the AAG Gold Medal for lifetime achievement in exploration geochemistry.

##### **Barry Smee – Smee and Associates Consulting Ltd.**

Barry Smee is a consulting geochemist based in Vancouver British Columbia. He obtained a B.Sc. in chemistry and geology from the University of Alberta, and a Ph.D. in geochemistry from the University of New Brunswick. He has designed and managed commercial analytical laboratories and worked in academia, government and industry for over 40 years. Barry formed Smee and Associates Consulting Ltd. in 1990 through which he has actively promoted the use of Quality Control protocols in mineral exploration and exploitation, comprehensive due diligence procedures, and the intelligent use of modern geochemical methods.

##### **Eric Grunsky – Geological Survey of Canada**

Eric Grunsky is currently employed at the Geological Survey of Canada. He is a geologist with experience in detailed regional geological mapping and the collection and evaluation of litho-geochemical data from rocks, soils, tills as well as stream and lake sediments. He has also worked in lateritic terrains. He has worked in and evaluated geochemical data from South America, Mexico, Canada, the United States and Australia for both the exploration industry and government geological surveys. He is currently Editor-in-Chief for Computers & Geosciences.

##### **Ray Lett – British Columbia Geological Survey**

Ray Lett graduated with a Ph.D in applied geochemistry from UBC in 1979. He then went to work as a geochemist for Barringer Research in Rexdale Ontario. In 1990, Ray

joined the Geological Survey, Ministry of Energy Mines & Petroleum Resources in BC as a geochemist where he has worked for the past 17 years.

### **Beth McClenaghan – Geological Survey of Canada**

Beth McClenaghan is a graduate of the University of Waterloo and Queen's University and has been a research scientist at the Geological Survey of Canada for the past 15 years. Her research has focused on developing till geochemical and indicator mineral methods in mineral exploration in glaciated terrain, with particular emphasis on gold, diamonds and, most recently, base metal deposits. Beth is currently Editor of AAG's newsletter, EXPLORE.

### **Dave Lawie – ioGeochemical**

Dave Lawie is currently the Managing Director of ioGlobal. Prior to joining ioGlobal, Dave was Global Coordinator of Geochemistry for Anglo American based in Vancouver, and in the years before that was Chief Geochemist with Pasminco Exploration. Having built ioGlobal's geochemical business into a world leading consultancy, Dave is currently responsible for the strategic development and daily operations of ioGlobal as a whole. Dave consults widely in both exploration and mining, in areas including innovative targeting of exploration programs, best sampling practice, QAQC and ore characterization. Dave leads the development of ioGAS, the industry's benchmark software for interrogating geochemical data.

### **Simon Bolster – Newmont Mining Corporation**

Simon Bolster graduated from Swansea University, Wales with First class honours after studying Geomorphology and Geology. He commenced work in the mineral exploration industry the following year, initially in Western Australia working on gold exploration projects. After joining Normandy Exploration in 1991 he started to develop regolith-landform mapping techniques to assist operational aspects of exploration geochemistry. Later with Anglo American based in West Africa this scheme was further developed and refined to assist with tackling and solving commonly encountered geochemical exploration problems in varied environments throughout the African Continent. Simon operated his own Consultancy Company, Regolex Pty Ltd, for 6 years mostly undertaking work in Africa and Australia for Gold and Copper exploration companies. Simon joined Newmont three years ago as a Consulting Geochemist; he is based in Perth. With Newmont he has the task of providing regolith mapping and related geochemical support from the Tundra to the Tropics as part of Newmont's Geochemistry Section support team.

### **Colin Dunn – Consulting Geochemist**

Colin Dunn completed his PhD at the University of London, UK. He was a research geologist/geochemist with the Saskatchewan Geological Survey (1972-1985) and then joined the GSC (1985-1998). From 1998 to the present - Consulting geochemist (and GSC emeritus) based on Vancouver Island. Over the last 28 years, Colin's focus has been on developing biogeochemical methods applied to mineral exploration. He has lectured and been involved in projects worldwide, and has published about 200 papers and a book just released entitled 'Biogeochemistry in Mineral Exploration'.

### **Matt Leybourne - GNS Science**

Matt Leybourne is a Research Scientist at GNS Science, primarily investigating hydrothermal vent fluid and plume geochemistry. Research here and in terrestrial waters is focused on better understanding water-rock interaction, mobility and transport of metals and metalloids. Research involves fieldwork (and sea-work), laboratory

analyses, including major and trace elements, and stable and radiogenic isotopes, and geochemical modeling.