

PRESENTATIONS FROM THE WORKSHOP ON ROLE OF GEOCHEMICAL DATA IN ENVIRONMENTAL AND HUMAN HEALTH RISK ASSESSMENT; MARCH 17-18 2010, HALIFAX, NOVA SCOTIA

Note: Some titles of presentations listed below may differ from those listed in the Workshop agenda in the file entitled " 01_1_Introduction_Agenda_Other" on account of late-stage changes.

Directory	File Name	Author(s)	Title or Explanation
01_Introduction			Background Information on the Workshop
01_Introduction	01_1_Introduction_Agenda_Other	Inez M. Kettles and Andrew N. Rencz, Natural Resources Canada - Geological Survey of Canada	Booklet from Workshop with agenda, participant list, abstracts and background information on soils and surficial materials
01_Introduction	01_2_Introduction_Notes	Gerry McCormick, Environment Canada	Notes from Workshop discussions
01_Introduction	01_3_Introduction_Content		List of contributions in Open File 6645
02_Recommendations			Recommendations for Methodology for Acquiring and Analyzing Soil Geochemical Data
02_Recommendations	02_1_Recommendations	Andrew N. Rencz, Robert. G. Garrett, Eric C. Grunsky, R.A. Klassen, Rick J. McNeil, and I.M. Kettles, Natural Resources Canada - Geological Survey of Canada	Summary of recommendations for acquiring and analyzing soil geochemical data for estimating the range of background concentrations for risk assessments
03_Perspectives			Partner Perspectives on the Role of Geochemical Data
03_Perspectives	03_1_Mroz_Perspective	Rita Mroz, Environment Canada	Federal Contaminated Sites Action Plan (FCSAP) - Ecological risk assessment and background soils data
03_Perspectives	03_2_Longpre_Perspective	Darcy Longpre, Health Canada	Health Canada perspective: The role of geochemical data in CCME soil quality guidelines and human health risk assessment
03_Perspectives	03_3_Bonvalot_Perspective	Yvette Bonvalot, Health Canada	CCME Soil Quality Guidelines and Health Canada perspectives - Estimated Daily Intakes (EDIs)

03_Perspectives	03_4_Rae_Perspective	David A. Rae, Amec	Role of geochemical data in ecological and health risk assessment - A consultant's perspective
04_Geochemical Landscapes			Information on Geological Setting and Spatial Variation in Soil Geochemistry
04_Geochemical Landscapes	04_1_Klassen_Landscapes	Rodney A. Klassen, Natural Resources Canada - Geological Survey of Canada	Geoscience in ecological and human health risk assessment
04_Geochemical Landscapes	04_2_Goodwin_Landscapes	Terry A. Goodwin, Nova Scotia Department of Natural Resources	Geology of the Maritime Provinces
04_Geochemical Landscapes	04_3_Grunsky_Landscapes	Eric C. Grunsky and Rick J. McNeil, Natural Resources Canada - Geological Survey of	Spatial variation - Horizontal and vertical
05_Biogeochemical Variation			Background Information on Biogeochemical Variation in the Landscape
05_Biogeochemical Variation	05_1_Rencz_Biogeochemical	Andrew N. Rencz, Natural Resources Canada - Geological Survey of Canada	Biogeochemical Variation
05_Biogeochemical Variation	05_2_Kettles_Biogeochemical	Inez M. Kettles, Natural Resources Canada - Geological Survey of Canada	Note on eco-classification systems for Canada
06_Soil Sampling			Methodology for Site Selection and Field Sampling of Soils
06_Soil Sampling	06_1_McNeil_Sampling	Rick J. McNeil, Natural Resources Canada - Geological Survey of Canada	Field sampling protocols
07_Soil Sample Analysis			Methodology for the Preparation and Chemical Analysis of Soil Samples
07_Soil Sample Analysis	07_1_McNeil_Analysis	Rick J. McNeil and Robert G. Garrett, Natural Resources Canada - Geological Survey of Canada	Soil sample preparation, analytical techniques and QA/QC
07_Soil Sample Analysis	07_2_Parsons_Analysis	Michael B. Parsons, Natural Resources Canada - Geological Survey of Canada	Analytical methods used to characterize the solid phase speciation of metal(loid)s

08_Geochemical Background			Methodology for Estimating Geochemical Background
08_Geochemical Background	08_1_Garrett_Background	Robert G. Garrett and Grunsky, E.C., Natural Resources Canada - Geological Survey of Canada	Geochemical background - What it is and how it varies
09_Data Availability			Sources of Geochemical Data for Soil and Other Surficial Materials
09_Data Availability	09_1_Kettles_Data	Inez M. Kettles, Wendy A. Spirito, and Andrew N. Rencz, Natural Resources Canada - Geological Survey of Canada	Availability of geochemical data via the Geoscience Data Repository
10_Case Studies			Examples of Case Studies Involving Soil data and Estimation of Geochemical Background
10_Case Studies	10_1_Woodruff_Case	Laurel G. Woodruff, United States Geological Survey	North American Geochemical Landscapes - 2010 USGS Perspective
10_Case Studies	10_2_Goodwin_Case	Terry A. Goodwin, Nova Scotia Department of Natural Resources	Arsenic in Nova Scotia
10_Case Studies	10_3_Parsons_Case	Michael B. Parsons and Megan E. Little, Geological Survey of Canada; Heather E. Jamieson and Stephen R. Walker, Queen's University; and Terry A. Goodwin Nova Scotia Department of Natural Resources	Assessing and reducing risks at the Montague and Goldenville gold districts in Nova Scotia
10_Case Studies	10_4_Garrett_Case	Robert G. Garrett, Natural Resources Canada - Geological Survey of Canada	The Tri-National (2007) Maritimes data: Some important and interesting observations
10_Case Studies	10_5_Dodd_Case	Matt Dodd, Royal Roads University	Metal bioaccessibility in Tri-National Survey soil samples
10_Case Studies	10_6_Grunsky_Case	Eric C. Grunsky, Natural Resources Canada - Geological Survey of Canada	Geochemical variability in surficial materials based on Canada-wide and New Brunswick datasets