

**SS15 Assembling Avalon and other peri-Gondwanan terranes**

**Organizers/Organisateurs**

Brendan Murphy, Margaret Thompson,  
Jim Hibbard and Cees van Staal

**Sponsored by** International  
Geological Correlation Program,  
Projects 453 and 497

**Room/Salle** Student Union Building

- SS15-11** Bartsch, C.J. and Barr, S.M.\* Bedrock geology and tectonic implications of the southwestern New River terrane, southern New Brunswick
- SS15-12** Horák, J.M.\* , Evans, J.A., Temperley, S. and Zalasiewicz, J. A New Look at the Monian Supergroup, North Wales, U.K.
- SS15-13** Thompson, M.D.\* , Grunow, A.M., Ault, A.K. and Ramezani, J. Deciphering multiple magnetizations in Avalonian magmatic rocks of southeastern New England
- SS15-14** Keppie, D.\* , Dostal, J., Miller, B., Nance, D., Murphy, B. and Cooper, P. The Xayacatlán type area, Acatlán Complex, southern Mexico: ~440 Ma syntectonic emplacement of a layered continental tholeiitic gabbro during the birth of the Rheic Ocean
- SS15-15** Kristiansen, K., Buchardt, B., Christiansen, J., Harper, D.A.T. and Stouge, S.\* Stable Isotopes from the Neoproterozoic upper Eleonore Bay Supergroup and the Tillite Group, Northeast Greenland
- SS15-16** Cook, L.A.\* , Barr, S.M. and Dehler, S.A. Geophysical interpretation and implications for Appalachian terrane boundaries in the area between eastern Prince Edward Island and western Cape Breton Island, Nova Scotia

**SS1 Rift-related magmatism and associated mineralization**

**Organizers/Organisateurs**

Jaroslav Dostal, Daniel Kontak,  
and John Greenough

**Sponsored by** Volcanology and Igneous  
Petrology Division of GAC, and  
Mineralogical Association of Canada

**Room/Salle** Student Union Building

- SS1-17** Richardson, A., Hollings, P.\* and Creaser, R. Rare Earth and Isotope Geochemistry of the Keweenaw Nipigon Sills
- SS1-18** Hounsell, V.L.\* , Higgins, M.D. and Vander Auwera, J. Sept-Iles intrusive suite, Quebec, Canada: Origin of acidic components
- SS1-19** Conly, A.G.\* , Brennan, J.M., Scott, S.D. and Bellon, H. Role of Adakites in the Petrogenesis of Incipient Rift Volcanism in the Santa Rosalía Region, Baja California Sur, Mexico

**GS2 Structural Geology and Tectonics**

**Room/Salle** Student Union Building

- GS2-20** O'Brien, B.H. A tectonic window of the Ordovician Roberts Arm Group(?) in the Silurian hinterland of central Newfoundland
- GS2-21** Audet, M-A., Goulet, N.\* and Picard, C. The Koniombo Massif, Nouvelle-Calédonie: An overturned ophiolitic sequence

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## SS6 Thermochronology

### Organizers/Organisateurs

Marcos Zentilli, Raymond Donelick,  
James Lee, and Mike Villeneuve

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of GAC

**Room/Salle** Student Union Building

- SS6-22 Khattak, N.U.\* , Akram, M., Ullah, K.,  
Qureshi, A.A. and Qureshi, I.E.  
Recognition of emplacement time of  
Jambil Carbonatite Complex from NW  
Pakistan: Constraints from fission-track  
dating of apatite using age standard  
approach (The  $\zeta$  Method)
- SS6-23 Murakami, M.\* and Tagami, T.  
Pseudotachylyte dating by zircon  
fission-track thermochronology
- SS6-24 Lim, H.S.\* and Lee, Y.I.  
Cooling history of the Upper Cretaceous  
Palgongsan Granite, Gyeongsang Basin,  
SE Korea based on fission track analysis
- SS6-25 Coutand, I.\* , Carrapa, B., Sobel, E.R.  
and Strecker, M.R. Cenozoic uplift  
and lateral growth of the Puna plateau  
(NW Argentina): new insights from  
detrital apatite fission-track  
thermochronology of the Angastaco  
intramontane basin
- SS6-26 Everitt, R.A.\* , Kohn, B.P., Lorencak, M.  
and Osadetz, K. Thermal History of  
Precambrian Shield in Ontario from  
Apatite Fission Track Thermochronology
- SS6-27 Zentilli, M. Thermochronological  
studies in the Chuquicamata porphyry  
copper district, Chile: A review
- SS6-28 Yamada, K.\* , Tagami, T. and  
Farley, K.A. The cooling history  
of the Tanzawa tonalitic complex

## SS22 CSSS — Greenhouse gas emissions and carbon sequestration in managed and natural landscapes

### Organizers/Organisateurs

Dan Pennock

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**Room/Salle** Student Union Building

- SS22-29 Kotzer, T.G.\* , Durocher, K. and Whittaker, S.  
Geochemical characterization of  
subterranean CO<sub>2</sub> storage sites  
and CO<sub>2</sub> sequestration using  
microbeam-based techniques
- SS22-30 Risk, D.\* and Kellman, L. Physically-  
partitioned soil profile carbon dioxide  
production: High resolution records  
from three forest sites
- SS22-31 Michitsch, R.\* , Burton, D., Gordon, R.  
and Ellsworth, S. Demonstration of  
GHG Mitigation from the Atlantic  
Canadian Agri-food Sector
- SS22-32 Hu, Q.\* , van Bochove, E., Lalande, R.,  
Thériault, G., Stevens, R.J., Laughlin, R.J.,  
Jayasundara, S.S. and Wagner-Riddle, C.  
Nitrous oxide produced by fungi and  
bacteria in agricultural soils incubated  
under aerobic conditions
- SS22-33 Prescott, C.E.\* , Grayston, S.J., Basiliko, N.,  
Bull, G.Q., Mohn, W.W., Northway, S., Seely,  
B.A. and Weetman, G.F. Effects of forest  
fertilization on C sequestration and  
GHG emissions
- SS22-34 Mkhabela, M.\* , Gordon, R., Burton, D.  
and Madani, A. Effect of Lime, DCD  
and Soil Water Content on Ammonia  
and Nitrous Oxide Emissions Following  
Application of Liquid Hog Manure
- SS22-35 Burton, D.L.\* , MacLeod, J.A., Thangaraj, B.  
and Zebbarth, B.J. Utilization of animal  
manure in potato production: Reducing  
greenhouse gas emissions through  
improved nitrogen management

**SS22-36** Burton, D.L. \*, Zebarth, B.J. and MacLeod, J.A. Reduced greenhouse gas emissions in Potato Production through improved nitrogen management

**SS22-37** Burton, D.L. \*, Li, X., Grant, C.A. and Johnston, A. Influence of nitrogen source on N<sub>2</sub>O emissions in two Black Chernozemic soils

**SS27 CSSS — Changing forests: Climate, management and forest soils**

**Organizers/Organisateurs**

Lisa Kellman, Martin Moroni  
and Amanda Diochon

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**SS27-38** Kavanaugh, K.M. \*, Kellman, L. and Beltrami, H. Nitrous oxide emissions from forested and harvested ecosystems in north eastern Nova Scotia

**SS27-39** Diochon, A.C. \*, Kellman, L. and Beltrami, H. Preliminary findings on the effects of forest harvesting on stored soil organic carbon and its decomposition potential in a temperate coniferous forest, Nova Scotia, Canada

**SS27-40** Black, M. \*, Kellman, L. and Beltrami, H. An examination of the spatial variability of CO<sub>2</sub> in the profile of managed forest soils

**SS20 CSSS — Metals in the Environment**

**Organizers/Organisateurs**

Graeme Spiers

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**Room/Salle** Student Union Building

**SS20-41** McBride, M.B. \*, Barrett, K.A. and Martinez, C.E. Zinc and Cadmium Behavior in Peats Developed on Metalliferous Silurian Dolomite

**SS20-42** Edinger, E.N. \*, Blackwood, G.M. and Siregar, R.P. Heavy metal contamination of shallow marine sediments from submarine tailings disposal and artisanal gold mining, North Sulawesi, Indonesia

**SS20-43** Glynn, T.A. \*, Edinger, E.N. and Yusuf, Y. Environmental and Health Impacts of a Laterite Nickel and Smelter in Indonesia

**SS20-44** Khozhina, E.I. \* and Sherriff, B.L. Ni in plants and plant litter from the Tailings Area of the Ni-Cu Mine of INCO Ltd. Thompson, Manitoba

**SS20-45** Miller, A.A.L. \*, Parsons, M.B., Kwong, J.Y.T. and Parrott, D.R. Benthic foraminiferal morphological abnormalities observed in metal(oid)-contaminated sediments, coastal areas of Notre Dame Bay, Newfoundland

**SS20-46** Song, Z. \*, Crowe, S.A., O'Neill, A.H., Fryer, B.J. and Fowle, D.A. The Influence of Early Diagenesis on Trace Metal and Phosphorus Cycling in Lake Erie Sediments

**GS7 Soil Science**

**Organizers/Organisateurs**

David Burton and Lisa Kellman

**Room/Salle** Student Union Building

**GS7-47** Wilson, M.L. \* and Adl, S.M. Impact of nematode fungivory on mycorrhizal/seedling (Pinus strobus) microcosms

**GS7-48** Heck, R.J. \* and Elliot, T.R. Distinguishing Among Soil Solid Phases Using Micro-CT Scanning

**GS7-49** Elliot, T.R. \*, Heck, R.J. and Gharabaghi, B. Development of a three-dimensional finite element model of potential fluid flow in micro-CT defined macro-void space of soil

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**SS24 CSSS — Applications of remote sensing and GIS to analysis of surface and subsurface Earth systems**

**Organizers/Organisateurs**

Gary Patterson

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Canadian Society of Soil Science

**Room/Salle** Student Union Building

**SS24-50** Belonogov, A.\* and Goudie, A.S.

Geomorphological analysis of dune forms in Namibia by remote sensing

**SS24-51** Langlois, J.\*, Parent, G., Brin, G., Roy, P. and Tichoux, H. Modelling Ephemeral Gully Erosion using Topographical Thresholds in an Algerian Watershed

## Symposia/Colloques

Wednesday Morning, 18 May / Mercredi matin, le 18 Mai

**SM1E North Atlantic Minerals Symposium (V) — Magmas to Massive Sulfides—Global View**

**Organizers/Organisateurs**

Richard Wardle, Gerry Stanley and Andy Kerr

**Room/Salle** Ondaatje Hall, Marion McCain Arts & Social Sciences Building

**Chairs/Présidents**

Steve McCutcheon and Garth Earls

- 8:00** Allen, R.L.\*, Tornos, F., Peter, J.M. and Çagatay, N. Links Between Volcanism And Massive Sulphide Deposits: A Global Perspective
- 8:40** Stanton, R.L. Magmas to Massive Sulphides: Some Current Thoughts of an Old Campaigner
- 9:00** Large, R.R. Magmas to Massive Sulfides; an Australian Perspective
- 9:20** Scott, S.D.\*, Yang, K. and Xu, Q. Magmatic fluids: A key to forming 'giant' volcanogenic massive sulfide deposits

**9:40** Monecke, T.\*, Hannington, M.D., Petersen, S., Herzig, P.M. and Kleeberg, R. Low-temperature hydrothermal alteration associated with gold-rich mineralization at Conical Seamount, Papua New Guinea

**10:00** Refreshment Break

**10:20** Tornos, F.\*, Conde, C. and Velasco, F. Are magmatic fluids necessary to form the giant massive sulphide deposits of the Iberian Pyrite Belt?

**10:40** Conde, C.\*, Mäthai, S., Geiger, S., Tornos, F. and Herrington, R. Heat and fluid modeling of the shale-hosted massive sulphides in the Iberian Pyrite Belt, Spain

**11:00** Tessalina, S.\*, Yudovskaya, M., Capmas, F., Birck, J.-L., Distler, V., Chaplygin, I. and Allègre, C.-J. Re-Os isotope studies of fumaroles and sulphide sublimates in the Kudriav volcano, Kurile Islands

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**SM5D CSPG: Petroleum systems of the Arctic and Atlantic Margins (IV) — Paleozoic Basins in Eastern Canada-New Concepts for Hydrocarbon Systems**

**Organizers/Organisateurs**

Denis Lavoie

**Sponsored by** Canadian Society of Petroleum Geologists

**Room/Salle** Scotiabank Auditorium, Marion McCain Arts & Social Sciences Building

**Chairs/Présidents** Denis Lavoie

- 8:00 Lavoie, D. The Lower Paleozoic basins in Eastern Canada: Underexplored and underevaluated frontier basins
- 8:20 Burden, E.T.\* and Gillis, E.S. Palynology of an exposed hydrocarbon reservoir, Sluice Brook, western Newfoundland
- 8:40 Thériault, R.D.\*, Brisebois, D. and Rheault, M. Fingerprinting of the Ottawa-Bonnechère and Saguenay grabens under the St. Lawrence Lowlands and Québec Appalachians: Prime targets for hydrocarbon exploration
- 9:00 Roy, S.\*, Bertrand, R., Malo, M., Lavoie, D. and Laliberté, J-Y. Thermal maturation and hydrocarbon potential in Paleozoic successions on the Gaspé Peninsula Central area and Lac Matapédia area, Québec
- 9:20 Pinet, N.\*, Lavoie, D., Brouillette, P., Keating, P., Brisebois, D., Malo, M. and Castonguay, S. Structural style of the Gaspé belt, Québec Appalachians: New insights from high-resolution aeromagnetic data
- 9:40 Rheault, M.\*, Brisebois, D., Thériault, R. and Pinet, N. Space View of the Gaspé Peninsula Structural Framework Incorporating RADARSAT, ENVISAT and Geoscience Data: New insights for Oil and Gas Exploration in Quebec
- 10:00 Refreshment Break

10:20 Mukhopadhyay (Muki), P.K.\* , Harvey, P.J. and Shaw (Jr.), W.G. New Insights on the Petroleum Systems and Prospect Evaluation of the Sydney Basin and Western/Central Subbasins, Cape Breton Island

10:40 Wilson, P.\* and White, J.C. Architecture and microstructure of fault zones in New Brunswick: implications for upper-crustal fault zone rheology and fluid flow

11:00 Cook, A.\* and Keighley, D. Preliminary studies of the alluvial-lacustrine Mabou Group (Mississippian), Sussex area, New Brunswick

**SM6 Early- to Mid-Proterozoic crustal and lithospheric evolution — The Dawn of Modern-day Tectonics (cont.)**

**Organizers/Organisateurs**

David Corrigan, Sally Pehrsson, Rob Rainbird, Chris Beaumont-Smith and Kevin Ansdell

**Sponsored by** Precambrian Division, Geological Association of Canada

**Room/Salle** 302, Student Union Building

**Chairs/Présidents**

David Corrigan and Toby Rivers

8:00 Zwanzig, H.V.\* and Corrigan, D. Extension tectonics in Trans-Hudson Internal Zone: from rifted arcs to syncollisional basins

8:20 Beaumont-Smith, C.J.\* and Bohm, C.O. Tectonic Evolution of the Paleoproterozoic Lynn Lake Greenstone Belt: Structural and Isotopic Analysis Along the Northern Margin of the Trans-Hudson Orogen in Manitoba

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- 8:40** Park, A.F.\* , Lentz, D.R. and Beaumont-Smith, C.R. Deformation, vein emplacement and volcanic environment of mineralization at McLellan mine, Lynn Lake greenstone belt, Manitoba
- 9:00** Chakungal, J.\* , Reynolds, P.H., Jamieson, R.A. and Corrigan, D. Post-orogenic cooling in a deeply eroded orogen: Trans-Hudson Orogen, Reindeer Lake, Saskatchewan
- 9:20** Rayner, N.M.\* , Maxeiner, R.O. and Corrigan, D. Archean and Paleoproterozoic gabbros in the Peter Lake Domain, northern Saskatchewan

- 9:40** Percival, J.A.\* , Whalen, J.B. and Rayner, N. Evidence for early (ca. 1.9 Ga) interaction between the Trans-Hudson orogen and Superior margin in the Pikwitonei–Snow Lake corridor
- 10:00** Refreshment Break
- 10:20** Kuiper, Y.D.\* and Lin, S. Movement on the Assean Lake and Aiken River deformation zones of the Superior Boundary Zone, northern Manitoba; structural geology, geochronology and some regional implications
- 10:40** Downey, M.W.\* , Lin, S. and Böhm, C.O. The structural geology, kinematics, and timing of deformation at the Superior craton margin, Gull Rapids, Manitoba

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# Special Sessions/Séances Spéciales

Wednesday Morning, 18 May / Mercredi matin, le 18 Mai

## SS1 Rift-related magmatism and associated mineralization (cont.)

### Organizers/Organisateurs

Jaroslav Dostal, Daniel Kontak and John Greenough

**Sponsored by** Volcanology and Igneous Petrology Division of GAC, and Mineralogical Association of Canada

**Room/Salle** 206, Life Sciences Centre

### Chairs/Présidents

Jaroslav Dostal and John Greenough

- 8:20** Shellnutt, J.G. \*, Zhou, M-F. and Qi, L. Major, trace and platinum-group elemental geochemistry of the Baima and Taihe magmatic Fe-Ti-V oxide deposits of the Permian (260 Ma) Emeishan large igneous province, SW China
- 8:40** Gagnon, J.E. \*, Williams-Jones, A.E., Samson, I.M. and Fryer, B.J. Hydrothermal HFSE-REE mineralization in the Strange Lake pluton, Quebec-Labrador, Canada—A re-evaluation
- 9:00** Chakhmouradian, A.R. Geochemistry and mineralogy of HFSE in intracratonic carbonatites: Implications for their economic potential (on the example of Kola Alkaline Province)
- 9:20** Piercey, S.J. \* and Gibson, H.L.G. The importance of rifting in the formation of volcanogenic massive sulphide (VMS) deposits
- 9:40** Barresi, T. \*, Anderson, R.G., Nelson, J.L., Alldrick, D.J. and Dostal, J. Anatomy of the Middle Jurassic Eskay Creek graben, northwest British Columbia: Geochemical characteristics and stratigraphic correlations
- 10:00** Refreshment Break

- 10:20** Ernst, R.E. \*, Buchan, K.L., Hart, T.R. and Morgan, J. North-trending diabase dykes west of the Nipigon Embayment: Paleomagnetism, geochemistry and correlation with known magmatic events
- 10:40** Williamson, M-C. \*, Muecke, G.K., Villeneuve, M., Zentilli, M., Lyon, S.A., Ernst, R.E. and Budkewitsch, P. Flood basalts of the Sverdrup Basin Magmatic Province, Canadian Arctic Islands, Nunavut: An Overview
- 11:00** Sandeman, H.A. Petrochemistry of Proterozoic continental tholeiites of the Western Churchill Province and implications for the evolution of the sub-continental lithosphere

## SS3 Outreach experiences across Canada — EdGEO workshops and beyond (cont.)

### Organizers/Organisateurs

Eileen Van der Flier-Keller, Jane Wynne and Jennifer Bates

**Sponsored by** EDGEO

**Room/Salle** 226, Chemistry Building

**Chairs/Présidents** Jennifer Bates and Eileen Van der Flier-Keller

- 8:20** Edwards, W.A. Understanding the geology of Alberta through river rocks, field stones, gravel pits, concrete and roads
- 8:40** Haidl, F.M. \*, Grapes-Yeo, K. and Nimegeers, A.N. Geoscape Southern Saskatchewan: Beyond the poster
- 9:00** Wynne, P.J. Plate Tectonics and Foamies

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- 9:20 Côté, P.\* and Corriveau, L. Promotion of the geological and historical heritage: From field projects to general websites
- 9:40 Edwards, W.A. In touch with the Earth: In the kitchen, on a walk, at the movies
- 10:00 Refreshment Break
- 10:20 Heenan, S.K. The Vocal Minority: Experiences with Earth Science Teachers in Ontario
- 10:40 Turner, R.J.W.\* , Nowlan, G.S., Focht, N. and Turner, M.C.D. Geoscape Guides: Bringing Geoscape to any community
- 11:00 Van Wagoner, N.A. Geoscience as an essential pedagogy for instilling 21st century skills

**SS8 Provenance of sedimentary rocks as inferred from mineralogy, petrology and geochemistry**

**Organizers/Organisateurs**

Georgia Pe-Piper and Philip Fralick

**Sponsored by** Canadian Society of Petroleum Geologists

**Room/Salle** 236, Life Sciences Centre

**Chairs/Présidents**

Georgia Pe-Piper and Philip Fralick

- 8:00 Fralick, P.W.\* , Richardson, A., Hollings, P. and Heaman, L. Relative Merits of Whole Rock Geochemistry, Zircon Geochemistry and Detrital Zircon U-Pb Age Determinations in Ascertaining Provenance: An Example from the 1.5 Ga Sibley Group, Northwestern Ontario
- 8:20 González-Álvarez, I.\* , Kusiak, M.A. and Kerrich, R. Provenance of the Lower Belt-Purcell Supergroup, Western North America: Implications of a Trace Element and Monazite CHIME Dating Study

- 8:40 Sher, Z.B. A South China foreland basin without South China derived detritus: evidence from geochemistry and detrital zircon SHRIMP U-Pb dating
- 9:00 McNicoll, V.J.\* , Evenchick, C.A. and Mustard, P.S. Provenance studies on the depositional histories of the Bowser and Sustut basins, and their implications for tectonic evolution of the northern Canadian Cordillera
- 9:20 Pe-Piper, G.\* and Piper, D.J.W. Detrital petrology, provenance and sediment dispersion in the Lower Cretaceous Missisauga and Logan Canyon formations and correlative onshore rocks, Scotian Basin
- 9:40 Gerring, C.R.\* , Sherlock, S.C., Kelley, S.P., Carter, A. and Strachan, R. Preliminary Results of a Combined  $^{40}\text{Ar}/^{39}\text{Ar}$  UV and IR Laser Microprobe and Fission Track Study of Detrital Minerals from the Paratectonic Caledonides of Northern Britain
- 10:00 Refreshment Break
- 10:20 González-Álvarez, I.\* and Kerrich, R. Mobility of REE and HFSE in Basinal Brines of the Mesoproterozoic Belt-Purcell Supergroup, Western North America
- 10:40 Fralick, P.W.\* and King, D. Stratigraphy, geochemistry and depositional environments of Mesoproterozoic sedimentary units in western Superior Province: Implications for generation of early crust
- 11:00 Corcoran, P.L. Recycling and chemical weathering of multiple sedimentary sources in tectonically controlled Mesozoic-Cenozoic sequences of New Zealand



## **SS10 Remote predictive geologic mapping techniques**

### **Organizers/Organisateurs**

Jeff Harris, Don Desnoyers  
and Paul Budkewitsch

**Sponsored by** Canada Centre for  
Remote Sensing and Geological  
Survey of Canada

**Room/Salle** 125, Chemistry Building

### **Chairs/Présidents**

Jeff Harris and Don Desnoyers

- 8:20 Budkewitsch, P. A. Review of Remote Sensing and the Future of Earth Observation Systems
- 8:40 Wickert, L.M. \*, Morris, W.A. and Budkewitsch, P. Effective Application of ASTER Imagery to Geological Mapping and Mineral Resource Evaluation
- 9:00 Rogge, D.M. \*, Rivard, B. and Zhang, J. Remote predictive geological mapping using airborne hyperspectral data, Baffin Island
- 9:20 Webster, T.L. LIDAR high-resolution elevation mapping for geoscience applications
- 9:40 Sikorsky, R.I. An Assessment of Laser Altimetry (LiDAR) for Structural and other Geologic Studies
- 10:00 Refreshment Break
- 10:20 Paulen, R.C. \*, Mei, S. and Fenton, M.M. Utilizing Remote Sensing Information to Augment the Mapping of Surficial Sediments in the Northern Boreal Plain of Alberta
- 10:40 Parsons, S.M. \*, Nadeau, L., Keating, P. and Chung, C-J. New approaches to geological interpretation of magnetic data: A case example from the Mingan Region, Grenville Province, Quebec

- 11:00 Bohm, C.O. \*, Corrigan, D., Corkery, T.M., Zwanzig, H.V., Lenton, P.G., Coyle, M. and Thomas, M. Re-mapping the northern Superior-Trans-Hudson boundary by using newly acquired high-resolution aeromagnetic data

## **SS11 Sediment instability and mobility from the coast to the slope**

### **Organizers/Organisateurs**

David Mosher, Brian Todd and John Shaw

**Sponsored by** Marine Geosciences  
Division, Geological Association of  
Canada

**Room/Salle** MacMechan Auditorium,  
Killam Library

### **Chairs/Présidents**

David Mosher and Brian Todd

- 8:00 Geertsema, M. and Clague, J.J. \* 1000-year record of landslide dams at Halden Creek, northeastern British Columbia
- 8:20 Solomon, S.M. \*, Forbes, D.L., Manson, G.K. and Blasco, S.M. Erosion and non-deposition on shallow-marine transgressive ravinement surfaces in the Beaufort Sea and southern Gulf of St. Lawrence
- 8:40 Hill, P.R. \*, Iwanowska, K. and Lintern, D.G. Instability and Downslope Transport of Sediment at the Mouth of the Fraser River Delta, British Columbia, Canada
- 9:00 Levesque, C.L. \*, Leroueil, S. and Locat, J. Overview of a submarine mass movement hazard assessment in the Saguenay Fjord
- 9:20 Cauchon-Voyer, G. \*, Locat, J., St-Onge, G., Godin, A. and Sanfacon, R. A. Preliminary Analysis of the Submarine Morpho-sedimentology of the Betsiamites - Rimouski area, St. Lawrence Estuary, Quebec, Canada

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- 9:40 Duffy, G.P.\* , Hughes-Clarke, J.E. and Parrott, R. Bedforms and Associated Sand Transport on a Banner Bank, Saint John, NB
- 10:00 Shaw, J. Sediment transport processes on glaciated coasts of southwest Newfoundland
- 10:20 Li, M.Z.\* and King, E.L. Multi-faceted Investigation of Sediment and Bedform Mobility on Sable Island Bank, Scotian Shelf
- 10:40 Longva, O.\* , Christensen, O., Rise, L., Ottesen, D. and Beylich, A. Sediment mobility on glaciated shelves with examples from Norway
- 11:00 Hesse, R.\* and Khodabaskhsh, S. Heinrich events as main episodes of glaciomarine sediment supply to the deep Labrador Sea: Evidence from lofted sediment derived from fresh-water generated turbidity currents

### **SS13 'Coal age Galapagos': research on the road to World Heritage nomination of Joggins**

#### **Organizers/Organisateurs**

John H. Calder and Michael C. Rygel

**Room/Salle** 238, Life Sciences Centre

#### **Chairs/Présidents**

John H. Calder and Michael C. Rygel

- 8:20 Calder, J.H. 'Coal Age Galapagos': Lions of 19th Century Geology at Joggins
- 8:40 Rygel, M.C.\* and Shipley, B.C. "The detail will surprise you"—A closer look at Logan, Dawson, and Lyell's measurements of the Joggins section
- 9:00 Waldron, J.W.F.\* and Rygel, M.C. Role of evaporite withdrawal in the preservation of a unique coal-bearing succession: Pennsylvanian Joggins Formation, Nova Scotia

- 9:20 Gibling, M.R.\* , Rygel, M.C., Davies, S.J. and Calder, J.H. Sequence stratigraphy of the Pennsylvanian Joggins Formation, Nova Scotia: Architecture of a rapidly subsiding extensional basin
- 9:40 Tibert, N.E.\* and Dewey, C.P. Taxonomic significance of the ostracode species *Carbonita altilis* (Jones and Kirkby 1879) from the Pennsylvanian Joggins Formation, Atlantic Canada
- 10:00 Refreshment Break
- 10:20 Lucas, S.G.\* , Hunt, A.P., Calder, J.H., Reid, D., Hebert, B. and Stimson, M. Tetrapod footprints from Joggins, Nova Scotia: A template for understanding Carboniferous tetrapod footprints
- 10:40 Gardiner, J.L.\* and Gibling, M.R. Pedogenic mud aggregates in the Joggins cliffs, Nova Scotia, Canada: Unusual preservation of dryland floodplain features

### **SS14 Partial melting and its role in the evolution of mountain belts**

#### **Organizers/Organisateurs**

Aphrodite Indares and Toby Rivers

**Room/Salle** 303, Student Union Building

#### **Chairs/Présidents**

Aphrodite Indares and Toby Rivers

- 8:00 Jamieson, R.A.\* , Beaumont, C., Nguyen, M.H., Culshaw, N.G. and Slagstad, T. Melt-weakening and flow modes in large hot orogens: Numerical models with application to the western Grenville orogen
- 8:40 Ji, S.\* , Gu, Q. and Xia, B. Rheology of solid-liquid systems: a phenomenological model applicable over the entire range of concentrations

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- 9:00 McNeill, P.D. \* and Williams, P.F.  
The relationship between partial melt and deformation, and its significance to orogen scale shear zones of the middle to lower crust
- 9:20 Hinchey, A.M. \* and Carr, S.D.  
Paleocene-Eocene high-grade metamorphism, anatexis and deformation in Thor-Odin dome, southeastern British Columbia
- 9:40 Simony, P.S. \* and Carr, S.D.  
Eocene leucogranite in relation to a Paleocene crustal thrust ramp: constraints on a tight schedule of crustal duplexing, heating, melting, decompression and emplacement
- 10:00 Refreshment Break
- 10:20 Gilotti, J.A. \* and McClelland, W.C.  
Leucogranites and the Problem of Inheritance in Dating the Time of Extension in the East Greenland Caledonides
- 10:40 Tettelaar, T.A. \* and Indares, A.D.  
Textural evolution of anatectic metapelites from the Tasiuyak paragneiss, northern Labrador
- 11:00 Nair, R.K. \* and Chacko, T.  
Experimental Constraints on Eclogite Stability in MORB-Type Bulk Compositions Under Fluid-Absent Conditions

## **SS19 General Quaternary Geoscience**

### **Organizers/Organisateurs**

John Gosse, John Shaw and Ralph Stea

**Room/Salle** 307, Student Union Building

### **Chairs/Présidents**

John Gosse and Ralph Stea

- 8:00 Schafer, C.T. \* and Medioli, F.S.  
Fossil Foraminifera Proxy Indicators of an Ancient Hurricane (?) Event in Chezzetcook Inlet (Nova Scotia) Sediments

- 8:20 Mudie, P.J., Rochon, A. and Levac, E. \*  
History of Sea Ice Changes in The Canadian Arctic and The Impact on Humans
- 8:40 Piper, D.J.W. \* and Brunt, R.  
Tills deposited from grounded ice on the upper continental slope offshore southeastern Canada: implications for style and history of glaciation
- 9:00 Gosse, J.C. \*, MacDonald, F., Staiger, J., Yang, G., Bell, T., Gray, J. and Stea, R.  
Tightening the deglacial history and glacial erosion of Atlantic Canada: exposure ages of bedrock and boulders
- 9:20 Staiger, J.W. \*, Gosse, J.C., Little, E.C. and Gray, J.T.  
Arctic and Atlantic Canadian glacial erosion and till dispersion: a new approach using cosmogenic Beryllium-10
- 9:40 Kershaw, G.P.  
Soil and near-surface permafrost temperatures in discontinuous permafrost, Mackenzie Mountains, NWT
- 10:00 Refreshment Break
- 10:20 King, E.L. \* and Cameron, G.D.M.  
Constraints on glacial and sea-level reconstructions from outer shelf stratigraphy, Sable Island Bank, Scotian Shelf, Atlantic Canada
- 10:40 McIntosh, J.J. \* and Plug, L.P.  
Investigating the Dynamics of Thaw Lake Growth
- 11:00 Blasco, S.M., Bennett, R. \*, Hughes-Clarke, J., Bartlett, J. and Shearer, J.M.  
3-D Multibeam Mapping Reveals Geological Processes Associated With Fluted Seabed, Pockmarks, Mud Volcanoes, Deep Water Ice Scours and Slump Feature in the Beaufort Sea-Amundsen Gulf

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**SS23 CSSS — Nutrient cycling and  
nutrient management in managed  
and natural ecosystems**

**Organizers/Organisateurs**

David Burton and Fran Walley

**Sponsored by**

Canadian Society of Soil Science

**Room/Salle** 240, Life Sciences Centre

**Chairs/Présidents**

David Burton and Fran Walley

**8:20** Lynch, D.H. \* and Zebarth, B.J.  
Nitrogen dynamics in organic  
potato production

**8:40** Gallant, T.L. \*, MacLeod, J., Gordon, R.,  
Blanchard, J. and Grimmett, M. Mussel  
processing waste as a soil amendment:  
increasing nutrient availability by  
stabilizing with hydrated lime instead  
of composting

**9:00** Torrie, S.J. \*, Pennock, D.J. and Walley, F.L.  
Assessing potentially available nitrogen  
in Saskatchewan using the Illinois  
amino sugar-N test

**9:20** Cooper, J.M., Burton, D.L. \* and Zebarth, B.J.  
Predominant system properties  
affecting plant-available nitrogen  
(PAN) in Nova Scotia

**9:40** Hao, X. \* and Chang, C.  
Nutrient release from wind  
erodible sediment of a heavily  
manured soil

**10:00** Refreshment Break

**10:20** Feng, Y. \*, Li, X., Goddard, T., Hao, X.,  
Olson, B., Slaski, J., and Zhang, M.  
Predicting transport of soil phosphorus  
in landscape in response to manure

**10:40** Olatuyi, O.S. \* and Akinremi, O.O.  
Chemical Characterization of  
Phosphorus Diffusion in a  
Multi-Ionic Environment

**11:00** Jiao, Y. \*, Whalen, J. and Hendershot, W.  
Agricultural Practices Influence  
Soil Aggregation and Nitrogen  
and Phosphorus Loss in Soils

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# General Sessions/Séances Générales

Wednesday Morning, 18 May / Mercredi matin, le 18 Mai

## GS3 Mineralogy, Crystallography and Crystal Chemistry

Room/Salle 242, Life Sciences Centre

**Chairs/Présidents**

Andy McDonald and Alistair McCready

- 8:00 Benz, D.M.\* , Fryer, B.J., Fipke, C.E. and Greenough, J.D. Preliminary LAM-ICP-MS analysis of diamond indicator silicate minerals in the Panda and New Eland kimberlite pipes
- 8:20 Quirt, D.H.\* , Sitepu, H., Cutler, J., Kotzer, T. and Kopylova, M. Diamond chemical fingerprinting using synchrotron X-ray fluorescence
- 8:40 Liferovich, R.P.\* and Mitchell, R.H. Solid solution of Nb and Ta in synthetic titanite: A reconnaissance study
- 9:00 Sokolova, E. The Crystal Chemistry of Minerals with the Titanium-Silicate (TS) Block
- 9:20 Mitchell, R.H. and Liferovich, R.P.\* Apatite group minerals in lujavrite and related nepheline syenite, Pilansberg peralkaline complex, South Africa
- 9:40 Bryksina, N.A.\* , Halden, N.M., Mejia, S. and Ball, N. Oscillatory zoning in calcite from Rossland area, British Columbia, Canada
- 10:00 Refreshment Break
- 10:20 Murakami, H. and Lalonde, A.E.\* Significance of elevated contents of  $\square\text{Si}_4\text{O}_8$  and  $\text{AlAl}_3\text{SiO}_8$  end-members in black clouded plagioclase from the Lac Saint-Jean anorthosite: Evidence for oxidation-induced postmagmatic exsolution of Fe-Ti oxide inclusions from plagioclase

10:40 Flemming, R.L.\* and Jacques, N. Halite on mars shergottite NWA3171: Identification and textural information from micro-XRD

11:00 Smith, P.K.\* and von Bitter, P. Gem Quality Citrine and Smoky Quartz, Annapolis County, Nova Scotia

## GS4 Igneous Petrology, Volcanology and Metamorphic Petrology

Room/Salle 208, Life Sciences Centre

**Chairs/Présidents** Benjamin Hooks and Tansy O'Connor-Parsons

- 8:00 MacLean, N.J.\* , Coulson, I.M. and Stuart, F.M. Petrological and Isotopic Studies of the 2001 and 2002/3 eruptions of Mt. Etna, southern Italy
- 8:20 Gould, K.\* , Pe-Piper, G. and Piper, D.J.W. Tectonic influences on Quaternary volcanism of Methana, South Aegean arc, Greece
- 8:40 Owen, J.P.\* , Bell, K. and Zanon, V. Mineral chemistry of potassium-rich volcanic rocks from central-southern Italy: implications for crystallization conditions and magma genesis
- 9:00 Mueller, W.\* and Dostal, J. Anatomy of a subaqueous komatiite flow field, Stoughton Roquemaure Group, Canada
- 9:20 Perry, T.L.\* , Leitch, A. and Wilton, D. Investigation of a late Proterozoic mafic sill and its environs - Cape St. Francis, Newfoundland

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- 9:40 Hunt, J.\* , Feely, M., Yates, M. and Leake, B.E. Hornblende barometry and P-T-t studies of the late Caledonian emplacement events (from ~410 to 380Ma) in the Galway Granite batholith, Connemara, Ireland
- 10:00 Refreshment Break
- 10:20 O'Connor-Parsons, T.\* and Stanley, C.R. Downhole Trace and Major Element Chemostratigraphic Patterns Relating to Igneous Fractionation Processes in the Golden Mile Dolerite, Western Australia

- 10:40 Buse, S.\* , Cousens, B., Davis, B. and Ootes, L. Tracing Mesoproterozoic Basement in the Southwestern Slave Province, NT: Evidence from Isotopic Geochemistry and Geochronology in the Wecho River Area
- 11:00 Patry, S.\* , Legault, M. and Lalonde, A.E. Étude pétrologique, géochimique et métallogénique de la syénite de Duparquet, Faille de Porcupine-Destor, Sous-Province de l'Abitibi

## Symposia/Colloques

Wednesday Afternoon, 18 May / Mercredi après midi, le 18 Mai

### SM1F North Atlantic Minerals Symposium (VI) — Magmas to Massive Sulfides

#### Organizers/Organisateurs

Richard Wardle, Gerry Stanley and Andy Kerr

**Room/Salle** Ondaatje Hall, Marion McCain Arts & Social Sciences Building

#### Chairs/Présidents

Dave Lentz and Brian McConnell

- 2:00 Sundblad, K.\* , Andersen, T., Beckholmen, M. and Nilsen, O. Terrane analysis based on ore lead isotope systematics of the Lower Ordovician VMS deposits in the Røros district, Scandinavian Caledonides
- 2:20 Slack, J.F.\* and Grenne, T. Geochemistry of Ordovician Jasper Beds From the Løkken Ophiolite, Norway: Origin of Proximal and Distal Siliceous Exhalites
- 2:40 Jamieson, J.W.\* , Wing, B.A., Hannington, M.D. and Farquhar, J. Multiple Sulfur Isotopes as a Tracer for Sources of Sulfur at the Kidd Creek VMS Deposit, Ontario

- 3:00 Wilton, D.H.C.\* , Winter, L.S. and Tuach, J. The Clementine West prospect—A new base metal occurrence in the Buchans Group, Buchans Camp, Newfoundland
- 3:20 Goodfellow, W.D.\* and Peter, J.M. A synthesis of current understanding of the geology, genesis and exploration of VHMS deposits, Bathurst Mining Camp, northern New Brunswick
- 3:40 Downey, W.S.\* , McCutcheon, S.R. and Lentz, D.R. Preliminary Facies and Basin Analysis of the Nepisiguit Falls Formation, Tetagouche Group, Bathurst Mining Camp, Northern New Brunswick

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**SM6 Early- to Mid-Proterozoic crustal and lithospheric evolution — The Dawn of Modern-day Tectonics (cont.)**

**Organizers/Organisateurs**

David Corrigan, Sally Pehrsson, Rob Rainbird, Chris Beaumont-Smith and Kevin Ansdell

**Sponsored by** Precambrian Division, Geological Association of Canada

**Room/Salle** 302, Student Union Building

**Chairs/Présidents**

Rob Rainbird and Louise Corriveau

- 2:00** Clark, T. Mineral deposits and the evolution of the Labrador Trough
- 2:20** James, D.T.\* and Wardle, R.J. Paleoproterozoic continental growth in northeastern Laurentia: A review of the evidence from western Labrador
- 2:40** Halls, H.C.\* , Davis, D.W. and Stott, G.M. Paleomagnetism and U-Pb dating of Proterozoic dykes: A new radiating swarm and an increase in post-Archean crustal rotation westwards from the Kapuskasing Zone, Ontario

- 3:00** Pehrsson, S.L.\* , Berman, R.G., Rainbird, R., Davis, W., Skulski, T., Sanborn-Barrie, M., van Breeman, O., Corrigan, D. and Tella, S. Interior collisional orogenesis related to supercontinent assembly: The ca. 1.9-1.5 Ga tectonic history of the western Churchill province
- 3:20** Raub, T.M.D.\* , Evans, D.A.D., Rainbird, R.H. and LeCheminant, A.N. Testing Laurentia's place in Nuna: Paleomagnetic investigation of the Dubawnt Supergroup, Baker Lake Basin, Nunavut
- 3:40** Rainbird, R.H.\* , Davis, W.J., Pehrsson, S.J. and Wodicka, N. The Paleoproterozoic cover sequences of the western Churchill province: from the break-up of Kenorland to the assembly of Nuna
- 4:00** Corrigan, D.\* , St-Onge, M. and Pehrsson, S. Paleoproterozoic growth of the continental lithosphere: a perspective from Laurentia in Canada

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# Special Sessions/Séances Spéciales

Wednesday Afternoon, 18 May / Mercredi après midi, le 18 Mai

## **SS2 Rocks, ceramics and glass: recent advances in geoarchaeology**

### **Organizers/Organisateurs**

Victor Owen and Dorothy Godfrey-Smith

**Room/Salle** 206, Life Sciences Centre

**Chairs/Présidents** Victor Owen and Dorothy Godfrey-Smith

**2:00** Mallory-Greenough, L.M.\* and Greenough, J.D. Mineralogical authentication of Predynastic Egyptian basalt artifacts in the Metropolitan Museum of Art, New York

**2:20** Higgins, M.D. Neolithic jadeite and eclogite axes from Greece: A possible material source on the island of Syros, Greece

**2:40** Owen, J.V.\* , Dostal, J., Humphreys, L., Orr, B. and Powell, S. Life before and after Glass St.: Characterization of Humphreys' glass (c. 1890-1920) and its distinction from other Trenton (Nova Scotia) wares

**3:00** Greenough, J.D.\* and Mallory-Greenough, L.M. From Ancient Egypt to Prehistoric America—Adventures in Geochemical Archaeometry

**3:20** Wilson, L.A.\* and Baker, C.J.G. Provenance of Flint in Middle Palaeolithic Stone Tool Industries in the Vaucluse (Southern France)

## **SS3 Outreach experiences across Canada — EdGEO workshops and beyond (cont.)**

### **Organizers/Organisateurs**

Eileen Van der Flier-Keller, Jane Wynne and Jennifer Bates

**Sponsored by** EDGEO

**Room/Salle** 226, Chemistry Building

### **Chairs/Présidents**

Jane Wynne and Jennifer Bates

**2:00** Sheppard, F. Mission to the Mantle

**3:00** Schreiner, D.R. NWT Geoscience Office Community Outreach Program: Gameti NWT

**3:20** Van der Flier-Keller, E.\* , Pyle, L. and Blades, D. Earth Science in the Classroom: A Lab Section for Education Students in an Introductory Earth Systems Course

**3:40** Young, G.A.\* , Filewych, G. and Syms, L. Communicating earth science knowledge in multidisciplinary exhibits: The Parklands/Mixed Woods Gallery at the Manitoba Museum

**4:00** Bates, J.L. Expanding geoscience outreach in Canada: Where to stop?

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**SS9 Applied glacial geology**  
**Organizers/Organisateurs**  
 Bruce Broster and Ralph Stea  
**Sponsored by**  
 Canadian Quaternary Association  
**Room/Salle** 307, Student Union Building  
**Chairs/Présidents**  
 Bruce Broster and Ralph Stea

- 2:00 Stea, R.R. \*, DeMont, G.J. and Lake, C.B.  
 Industrial and environmental uses  
 of massive glaciolacustrine clay in  
 Nova Scotia
- 2:20 Bolduc, A. \*, Paradis, S.J., Stea, R.R.,  
 Pullan, S. and Ross, M. The Annapolis  
 Valley–A complex glacial history that  
 bears on groundwater resources
- 2:40 Huntley, D.H. Applied surficial  
 mapping in mountainous terrain:  
 Coastal British Columbia
- 3:00 Frizzell, R. \*, Usher, S.J. and Palmer, R.S.  
 Small Sand Lenses, Large Impacts–  
 The Effects of Glacial Geology  
 on Sensitive Ecological Features
- 3:20 Ozyer, C.A. \*, Hicock, S.R. and Pazner, M.  
 Using radar altimeter-derived DEMs  
 to identify landforms, paleo ice-flow,  
 and mineral dispersal trains

**SS10 Remote predictive geologic  
 mapping techniques (cont.)**  
**Organizers/Organisateurs**  
 Jeff Harris, Don Desnoyers  
 and Paul Budkewitsch  
**Sponsored by** Canada Centre for  
 Remote Sensing and Geological  
 Survey of Canada  
**Room/Salle** 125, Chemistry Building

- Chairs/Présidents**  
 Jeff Harris and Paul Budkewitsch
- 2:00 Bonham-Carter, G.F. GIS in the  
 Earth Sciences: retrospect and  
 prospect
- 2:40 Lamothe, D. \* and Harris, J.R.  
 Evaluation of the favorability for  
 VMS deposits in the Abitibi area  
 with an empirically-weighted fuzzy  
 logic technique
- 3:00 Viljoen, D.W. \*, Harris, J.R. and de Kemp, E.A.  
 Saturation and value modulation:  
 A new method for integrating colour  
 and grey-scale imagery
- 3:20 Irwin, D.A. \* and Pierce, K.L.  
 NWT Digital Field Data Collection:  
 the Good, the Bad, and the Ugly
- 3:40 Martel, E. \*, Harris, J., Currie, M.,  
 Keating, P., Pilkington, M., Pierce, K.  
 and Irwin, D. Remote Predictive  
 Mapping and regional Bedrock  
 Mapping team up: A new approach

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**SS11 Sediment instability and mobility from the coast to the slope (cont.)**

**Organizers/Organisateurs**

David Mosher, Brian Todd and John Shaw

**Sponsored by** Marine Geosciences  
Division, Geological Association  
of Canada

**Room/Salle** MacMechan Auditorium,  
Killam Library

**Chairs/Présidents**

Brian Todd and John Shaw

- 2:00 Mosher, D.C.\*, Piper, D.J.W., Campbell, D., Shimeld, J., MacKillop, K. and Jenner, K. Mass Failures in Margin Construction: Scotian Slope
- 2:20 Campbell, C.D.\* and Piper, D.J.W. Morphology of submarine canyons and channels on the central Scotian Slope
- 2:40 Wallace, K.D.\*, Waldron, J.W.F. and Arnott, B.R.C. Slide and debris flow deposits of the Isaac Fm, (Neoproterozoic) Windermere Supergroup, east-central BC
- 3:00 Elliott, G.M.\*, Shannon, P.M., Haughton, P.D.W., Praeg, D. and O'Reilly, B. Mid to Late Cenozoic evolution of a sediment starved slope system: the Rockall Trough, west of Ireland
- 3:20 Newton, C.S.\*, Shipp, R.C., Mosher, D.C. and Wach, G.D. Comparison of two large mass transport complexes on the Nile Fan and implications for fan development

**SS14 Partial melting and its role in the evolution of mountain belts (cont.)**

**Organizers/Organisateurs**

Aphrodite Indares and Toby Rivers

**Room/Salle** 303, Student Union Building

**Chairs/Présidents**

Aphrodite Indares and Toby Rivers

- 2:00 Indares, A.\*, Dunning, G., Jordan, S. and Strowbridge, S. Anatectic metapelites from contrasting structural levels (Manicouagan area, eastern Grenville Province)
- 2:40 Rushmer, T. Partial melting of hornblende-bearing assemblages: What does it really take to make an adakite?
- 3:00 Martignole, J.\* and Wang, Z. High-temperature consolidation of leucosomes in UHT migmatites: evidence from feldspar thermometry

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**SS16 Ore and hydrocarbon systems:  
Their similarities and their  
interactions**

**Organizers/Organisateurs**

Nick Wilson

**Sponsored by** Mineral Deposits  
Division, Geological Association of  
Canada

**Room/Salle** 236, Life Sciences Centre

**Chairs/Présidents**

Nick Wilson and Jan Peter

- 2:00 Wilson, N.S.F.\* , Stasiuk, L.D.  
and Fowler, M.G. Role of Pyrobitumen,  
Hydrocarbons, and Graphite in the  
Formation of Athabasca Unconformity-  
type Uranium Deposits in Saskatchewan  
and Alberta
- 2:20 Selby, D.\* and Creaser, R.A.  
Evaluating the utility of hydrocarbons  
for Re-Os geochronology: Establishing  
the timing of processes in petroleum  
and ore systems
- 2:40 Ferri, F.\* , Peter, J.M. and Goodfellow, W.  
Ocean anoxic events and their  
relationship to hydrocarbon  
generation and syngenetic  
massive sulphide mineralization  
(SEDEX and VMS)
- 3:00 Peter, J.M.\* , Scott, S.D. and Stasiuk, L.  
Hydrothermal petroleum in modern  
sediment-hosted seafloor massive  
sulphide deposits at Guaymas Basin  
and Escanaba Trough
- 3:20 Zentilli, M., Wilson, N.S.F., Collins, P.\*  
and Boric, R. On the role of petroleum  
in the genesis of stratabound copper  
deposits in the Cretaceous Basin in  
the southern Central Andes of Chile:  
A review
- 3:40 Farazdaq, H.H. The study of fluid  
inclusions of the Tiouit auriferous  
deposit Saghro Oriental, Anti-Atlant,  
Morocco

**SS18 Organism-sediment interactions:  
New developments and future  
prospects**

**Organizers/Organisateurs**

Robert MacNaughton and Allan Donaldson

**Sponsored by** Palaeontology Division,  
Geological Association of Canada,  
and Canadian Sedimentology  
Research Group

**Room/Salle** 238, Life Sciences Centre

**Chairs/Présidents**

Robert MacNaughton and Allan Donaldson

- 2:00 Mukhopadhyay, P.K.\* , Mossman, D.J.  
and Ehrman, J.M. Carbonaceous  
chondrites and Archean terrestrial  
sediments compared for vestiges of  
early solar system biota
- 2:20 Donaldson, A.\* , Chiarenzelli, J.  
and Aspler, L. Siliciclastic Biofilm  
Structures and Stromatolites:  
Conditions for Preservation
- 2:40 Gingras, M.K.\* , White, C.E. and  
Waldron, J.W.F. Ichnology of the  
High Head member, southwestern  
Nova Scotia: trace fossil evidence for  
an Early Cambrian age for the lower  
Goldenville Formation
- 3:00 MacNaughton, R.B.\* , Lane, L.S.  
and Jensen, S. Does the Early Cambrian  
ichnogenus Oldhamia record deep-  
marine behavioural optimisation?
- 3:20 Conly, A.G.\* , Scott, S.D. and  
Riedel, M. Mineralogy and Stable  
Isotope Compositions of Carbonate  
and Sulphide Minerals of Carbonate  
Crusts Associated with Gas Hydrate-  
Forming Cold Vents from the  
NE Pacific

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**SS23 CSSS — Nutrient cycling and nutrient management in managed and natural ecosystems (cont.)**

**Organizers/Organisateurs**

David Burton and Fran Walley

**Organizers/Organisateurs**

Canadian Society of Soil Science

**Room/Salle** 240, Life Sciences Centre

**Chairs/Présidents**

Fran Walley and David Burton

- 2:00** Stumborg, C. \*, Schoenau, J.J. and Qian, P.  
Nitrogen and Phosphorus Loading and Migration in Manured Saskatchewan Soils
- 2:20** Dupuis, E.M. \* and Whalen, J.K.  
Using pelletized poultry manure for the production of wheat and corn in Québec, Canada
- 2:40** Price, G.W. \* and Voroney, R.P.  
Managing soil fertility on agricultural soils amended with paper biosolids
- 3:00** Lteif, A. \*, Whalen, J.K., Camiré, C. and Bradley, R.L. Paper mill biosolids and pigslurry applications to improve soil fertility in a hybrid poplar plantation

- 3:20** Neilsen, G.H. \*, Hogue, E.J., Forge, T. and Neilsen, D. Environmental and production implications of increased use of organic matter amendments in integrated fruit production
- 3:40** Serran, S.M. \*, Deen, W. and Lauzon, J.D. Nitrogen dynamics and corn growth in manure/cover crop systems
- 4:00** Liu, K. \*, Hammermeister, A.M., Warman, P.R., Entz, M.H. and Martin, R.C. Nitrogen Responses to Amendments and Crop Rotations Varying in Proportions of Forages During the Transition to Organic Production

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# General Sessions/Séances Générales

Wednesday Afternoon, 18 May / Mercredi après midi, le 18 Mai

## GS3 Mineralogy, Crystallography and Crystal Chemistry (cont.)

Room/Salle 242, Life Sciences Centre

### Chairs/Présidents

Dave Quirt and Diana Benz

- 2:00 McDonald, A.M.\* and Cabri, L.J.  
Problems and solutions in the mertieite clan of Platinum-Group Minerals: The important role of single-crystal X-ray diffraction analyses in PGM studies
- 2:20 McCready, A.J.\* , Derome, D., Annesley, I.R., Cuney, M., Cavell, R.G., Rickers, K., Bakker, R.J. and Webb, A.M.  
Paleofluid chemistry from the McArthur River uranium deposit, Athabasca Basin, Canada: Results and implications from Synchrotron X-Ray Fluorescence (SXRF) analysis of fluid inclusions
- 2:40 Lepage, L.D.\* and Pearce, T.H.  
Mineral fluorescence under light-emitting diodes: A spectral study and a view into the future of mineral fluorescence
- 3:00 Ning, G.\* and Flemming, R.L.  
Rietveld Refinement of LaB<sub>6</sub>: Data from micro-XRD
- 3:20 Wu, J.\* and Flemming, R.L.  
Short-range environment in omphacite—studied by <sup>29</sup>Si MAS NMR
- 3:40 Chakhmouradian, A.R.\* and Mitchell, R.H.  
Subsolidus phase relationships in the system Ca<sub>n</sub>(Ti<sub>1-n-x</sub>Nb<sub>x</sub>)O<sub>3n+0.5x</sub>

## GS5 Sedimentology, Stratigraphy and Paleontology

Room/Salle 208, Life Sciences Centre

### Chairs/Présidents

Alexander McCracken and Michael Melchin

- 2:00 Fedak, T.J. New dinosaur diversity in the Earliest Jurassic of North America
- 2:20 Izard, C.F.\* , Evans, D.A.D., Raub, T.D., Wingate, M.T.D., Calver, C.R., Raub, T.M.D. and McCausland, P.J.A. Paleomagnetic and geochronological investigations of the early Ediacaran Period in Australia and Laurentia
- 2:40 Stouge, S.\* , Boyce, W.D., Christiansen, J., Harper, D.A.T. and Knight, I.  
Cambrian–lower Upper Ordovician deposits of Northeast Greenland with comparison to the similar deposits in Scotland and Newfoundland
- 3:00 Hesse, R.\* and Jehangir, S.  
Why does stoichiometric dolomite and not calcite and/or siderite form as primary precipitate in Ordovician organogenic concretions of the Quebec Appalachians?
- 3:20 Mack, B.\* and Chow, N.  
Subaerial exposure surfaces in the Devonian Snipe Lake reef complex, west-central Alberta
- 3:40 Hopkins, J.C. Porosity development and speleogenesis of dolomudstones, Pekisko Formation (Lower Carboniferous) Alberta

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## **GS6 Geophysics**

**Room/Salle** Scotiabank Auditorium,  
Marion McCain Arts &  
Social Sciences Building

### **Chairs/Présidents**

Karl Butler and Richardo White

- 2:00** Barnes, C.R. Concepts, opportunities,  
and latest developments in the  
Installation Phase for Stage 1,  
NEPTUNE Cabled Ocean  
Observatory, North-east Pacific

- 2:20** Shi, R.R.\* and Cioppa, M.T.  
Magnetic studies of surface  
soils in Windsor-Essex County

- 2:40** Yeomans, T., Butler, K.E.\* and  
Coleman, M. Electrical conductivity  
of lime neutralization sludge:  
Implications for monitoring  
remediation efforts at Fire Road mine

- 3:00** White, R.O.\*, Butler, K. and Simpkin, P.  
Pseudo-3D sub-bottom imaging of  
dynamic depositional environments in  
the upper Bay of Fundy

- 3:20** Owaina, F.O., Ammara, A.H. and  
Sellmi, R.M.\* Improving of poor-quality  
seismic data structural interpretation  
using variance cube: El-Feel Field  
case history

## **Poster Sessions/Les Séances D’Affiches**

Student Union Building, Wednesday, 18 May, 4:30 pm–6:00 pm / Mercredi, le 18 Mai, 16h30–18h00

WED  
PM

MAY 18

## **SS10 Remote predictive geologic mapping techniques**

### **Organizers/Organisateurs**

Jeff Harris, Don Desnoyers  
and Paul Budkewitsch

### **Sponsored by**

Canada Centre for Remote Sensing  
and Geological Survey of Canada

**Room/Salle** Student Union Building

- SS10-1** Harris, J.R.\*, Ford, K., Ponomarev, P.,  
Dredge, L. and Carson, J. The application  
of gamma ray spectrometer data for  
mapping Canada's North

- SS10-2** Harris, J.R.\*, Ponomarev, P. and Shang, J.  
A comparison of methods for  
extracting end members from airborne  
hyperspectral data: Application to  
geologic mapping in Canada's Arctic

- SS10-3** Grunsky, E.C., Harris, J.R.\*, McMartin, I.  
and Little, E. The use of optical and  
multi-beam radar satellite imagery for  
surficial mapping in Canada's Arctic

- SS10-4** Todd, B.J.\*, White, C.E., Dehler, S.  
and Hayward, S. Onshore-offshore  
bedrock mapping, southwestern  
Nova Scotia, Canada

- SS10-5** Keating, P.B.\*, Pinet, N., Brouillette, P.,  
Sailhac, P., Dion, D.-J. and Pilkington, M.  
Application of the Continuous  
Wavelet Transform to potential field  
interpretation in the Gaspé Peninsula

- SS10-6** Brown, O.H.\*, Utting, D.J., Little, E.C.,  
Grunsky, E.C., Harris, J. and Peter, P.  
Remote predictive mapping of surficial  
geology in Nunavut using supervised  
classification techniques of Landsat  
and RADARSAT I data

**SS10-7** Campbell, C.D.\* , Piper, D.J.W., Mosher, D.C. and Jenner, K.A. A new Scotian Slope surficial geology map series

**SS10-8** Parsons, S.M.\* , Nadeau, L. and Malo, M. Production of second-generation geological maps through analysis of multi-source data in a GIS environment: An example from the Grenville Province, Quebec

**SS10-9** Budkewitsch, P.\* , Hitchcock, R., McGregor, R., Harris, J., Peshko, M. and Staenz, K. Hyperspectral imaging at high latitudes for geological mapping and exploration applications

**SM5 CSPG: Petroleum systems of the Arctic and Atlantic Margins**

**Organizers/Organisateurs**  
Grant Wach

**Sponsored by** Canadian Society of Petroleum Geologists

**Room/Salle** Student Union Building

**SM5-10** Lavoie, D. Hydrothermal dolomite reservoirs in Eastern Canada: A new exploration target in Paleozoic carbonates

**SM5-11** Dietrich, J.R.\* and Giles, P.S. Petroleum systems in the Carboniferous Magdalen Basin, Gulf of St. Lawrence, Eastern Canada

**SM5-12** Dietrich, J.R.\* , Grant, A.C. and Okulitch, A.V. Offshore Paleozoic bedrock geology in the St. Lawrence River Estuary and northern Gulf of St. Lawrence, Eastern Canada

**SM5-13** Meaux, D.P.\* , Tari, A., Molnar, J. and Tari, G. Pre-breakup reconstruction of the conjugate passive margins of Morocco and Nova Scotia, Canada, based on potential field data

**SM5-14** St-Laurent, C., Adam, E. and Granger, B.\* Integration of potential field and seismic data for hydrocarbon exploration in the Miguasha area, Appalachian Gaspé Belt, Quebec

**SM5-15** Kettanah, Y.\* , Zentilli, M., Wielens, H. and Wach, G. Types and Significance of Fluid Inclusions in Rock Salts from Offshore Grand Banks, Newfoundland and Onshore Nova Scotia

**SS8 Provenance of sedimentary rocks as inferred from mineralogy, petrology and geochemistry**

**Organizers/Organisateurs**  
Georgia Pe-Piper and Philip Fralick

**Sponsored by** Canadian Society of Petroleum Geologists

**Room/Salle** Student Union Building

**SS8-16** Coniglio, M.\* and Armstrong, D.K. Hydrothermal alteration of shallow-water Ordovician carbonates from the Lake Simcoe area of southern Ontario

**SS8-17** Pe-Piper, G.\* and MacKay, R.M. Electron microprobe geochronology of detrital monazite from the Lower Cretaceous of the Scotian Basin and the Chaswood Formation

**SS8-18** Okwese, A.\* , Pe-Piper, G. and Piper, D.J.W. Early Cretaceous volcanic eruptions in southeastern Canada: The record from lignites of the Chaswood Formation of Nova Scotia

**SS8-19** Kettanah, Y.\* , Gibling, M.R. and Sinha, R. Provenance of Quaternary sands from the Ganga River system and its tributaries, Himalayan Foreland Basin, India

**SS8-20** Kettanah, Y.\* and Wach, G. Reservoir Provenance in Venture B-13 and Arcadia J-16 boreholes, Offshore Nova Scotia

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## **GS5 Sedimentology, Stratigraphy and Paleontology**

**Room/Salle** Student Union Building

- GS5-21** Abdel-Rahman, A-F.M.\* and Nader, F.H. The Cenomanian carbonate platform of central Lebanon: Chemical and petrographic traits and implications for depositional environments
- GS5-22** Coniglio, M.\* , Morrow, D.W. and Wilson, N. Middle Devonian dolomites of the Presqu'île barrier revisited: Implications for the paleohydrological model
- GS5-23** Tavakoli, V.\* and Amini, A. Rock type determination in oil bearing reservoirs, using multidimensional grouping of log data, a case study from Marun Field, South Iran
- GS5-24** Pyle, L.J.\* and Jones, A.L. Addressing geoscience knowledge priorities in the Northwest Territories: Basin analysis of Peel Plateau and Plain Region, northern Mackenzie Corridor
- GS5-25** Al-Aasm, I.\* and Abdallah, H. Dolomitization and dedolomitization of the Lower Turonian Gattar carbonates, Southern Tunisia: Paleogeographic, geochemical and sequence stratigraphy controls
- GS5-26** Young, G.A.\* , Dobrzanski, E.P., Robson, S. and Thompson, D.P. Ordovician fossil jellyfish (Scyphozoa) from Manitoba
- GS5-27** Gard, G.I. Calcareous nannofossils from the Alpha Ridge, Canadian Arctic Ocean
- GS5-28** Fiorini, F.\* , Fensome, R.A., Scott, D.B., Thomas, F.C. and Wach, G.D. Cretaceous to Miocene benthic foraminifera from the Scotian Shelf and Slope wells Cohasset A-52 and Shubenacadie H-100
- GS5-29** Bosman, S.A.\* , Nesbitt, H.W. and Young, G.M. Petrogenesis and depositional history of sedimentary rocks of the North Spirit Lake basin, northwestern Ontario
- GS5-30** Adam, J.\* and Al-Aasm, I.S. Petrologic and geochemical attributes of dolomite recrystallization: An example from the Mississippian Pekisko Formation, west-central Alberta
- GS5-31** McCracken, A.D.\* , White, J.M., Davenport, P., Dougherty, B.J., Asselin, E., Dewing, K., Tzeng, P., Lepard, D.W. and Okulitch, A.V. Extending the influence of paleontology at the GSC: Year 2
- GS5-32** Paulen, R.C.\* , Plouffe, A., Smith, I.R., Kowalchuk, C., Ward, B.C., Tarplee, M., Fenton, M.M., Pawlowicz, J.G. and Peterson, R. Surficial geology of the Bistcho Lake map area (NTS 84M)
- GS5-33** Daly, J.F.\* , Hill, R. and Bell, T. Origin of anomalous sand layer in back barrier peat, northeast Newfoundland
- GS5-34** Karasinski, D.R.\* , Last, W.M. and Martiniuk, C.D. Hydrocarbon potential of the Lower Amaranth M Pool, Waskada Field, southwest Manitoba
- GS5-35** Arbour, V.\* , Jones, S., Gard, G., Crux, J., Scott, D., Younger, C. and Wach, G. Nannofossil biostratigraphy as a tool for stratigraphic precision in the Tertiary and Mesozoic offshore Nova Scotia: Preliminary findings

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**SS13 'Coal age Galapagos': Research on the road to World Heritage nomination of Joggins**

**Organizers/Organisateurs**

John H. Calder and Michael C. Rygel

**Room/Salle** Student Union Building

**SS13-36** Utting, J.\* and Wagner, R.H. Megaflora of the Upper Carboniferous Cumberland Group, Joggins area, Nova Scotia and New Brunswick

**SS18 Organism-sediment interactions: New developments and future prospects**

**Organizers/Organisateurs**

Robert MacNaughton and Allan Donaldson

**Sponsored by** Palaeontology Division, Geological Association of Canada, and Canadian Sedimentology Research Group

**Room/Salle** Student Union Building

**SS18-37** Orpin, A.R.\* and Kostylev, V.E. Towards a Statistically Valid Method for Textural Sea Floor Characterization for Benthic Habitat Mapping

**SS19 General Quaternary Geoscience**

**Organizers/Organisateurs**

John Gosse, John Shaw and Ralph Stea

**Room/Salle** Student Union Building

**SS19-38** Lewis, C.M.\* and Miller, A.A.L. Glacial dam failure and oceanic routing of the final Lake Agassiz-Ojibway outburst flood, 7.6-7.7 ka: New evidence from the Northeast Newfoundland Shelf

**SS19-39** Miller, A.A.L.\* , Lewis, C.M., Piper, D.J.W., Sonnichsen, G.V. and Fader, G.B.J. Impact of freshwater influxes from Hudson Strait on bottom-water circulation: Evidence from benthic foraminiferal faunas at sites along the Eastern Canadian Continental Margin

**SS9 Applied glacial geology**

**Organizers/Organisateurs**

Bruce Broster and Ralph Stea

**Sponsored by**

Canadian Quaternary Association

**Room/Salle** Student Union Building

**SS9-40** McCuaig, S.J.\* and Bell, T. Is there a record of past tsunami deposits in Newfoundland? A case study from the Burin Peninsula

**SS9-41** Pronk, T., Allard, S. and Broster, B.\* Surficial mapping data and regional planning

**SS9-42** Cole, J.\* , Coniglio, M. and Gautrey, S. Regional distribution and development of porosity in karstic aquifers in the Guelph area of southern Ontario: Implications for groundwater resources

**SS9-43** Giudice, G.M.\* and Broster, B.E. Implications to glacial history and urban planning in a glaciated estuarine tributary: Fredericton Junction, New Brunswick

**SS9-44** Aspden, S.T.\* and Arnaud, E. Sedimentology and deformation styles of Upper Pleistocene deposits of the Oak Ridges Moraine, southwestern Ontario, Canada

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**SS14 Partial melting and its role in the evolution of mountain belts**

**Organizers/Organisateurs**

Aphrodite Indares and Toby Rivers

**Room/Salle** Student Union Building

**SS14-45** Washburn, M. \*, Johnson, S.E., Koons, P.O. and Upton, P. Numerical modeling of deformation-driven fluid pressure gradients in a mechanically heterogeneous medium

**SS14-46** Hébert, R. \*, Dupuis, C., Guilmette, C., Dubois-Côté, V., Huot, F., Wang, C. and Li, Y. The Yarlung Zangbo Suture Zone ophiolites: Mineralogy, geochemistry, and geodynamic implications

**GS4 Igneous Petrology, Volcanology and Metamorphic Petrology**

**Room/Salle** Student Union Building

**GS4-47** Abdel-Rahman, A-F.M. \* and Lease, N. Petrogenesis of mafic-ultramafic lavas from the Euphrates volcanic field, northeastern Syria

**GS4-48** Arvin, M. \*, Pan, Y. and Dargahi, S. Petrochemistry of the Siah-Kuh granitoid stock, southeast of Kerman, Iran: Implications for initiation of Neothethys subduction

**GS4-49** Nicholls, J. \* and Stout, M. Classifying and naming volcanic rocks

**GS4-50** Dinel, E. \*, Saumur, B.M. and Fowler, A.D. Lobe and breccia facies rhyolite and intermediate volcanic rocks of the Timmins area, Ontario, Abitibi Greenstone Belt: A previously unrecognized facies

**GS4-51** Moulton, B. \* and Pe-Piper, G. Magma evolution in the Pliocene - Pleistocene succession of Kos, South Aegean arc: Petrographic evidence for magma mixing

**SS11 Sediment instability and mobility from the coast to the slope**

**Organizers/Organisateurs**

David Mosher, Brian Todd and John Shaw

**Sponsored by** Marine Geosciences Division, Geological Association of Canada

**Room/Salle** Student Union Building

**SS11-52** Simpson, K.W. \*, Mosher, D.C., Stewart, J.M. and Wach, G.D. Cenozoic sedimentation processes of the central Scotian Slope

**GS6 Geophysics**

**Room/Salle** Student Union Building

**GS6-53** Dekeyser, L-K. \*, Endres, A.L., Coniglio, M., Armstrong, D.K., Brunton, F.R. and Tetreault, D. Resolution of shallow subsurface stratigraphy in Silurian dolostones, Bruce Peninsula, southern Ontario: Insights from ground-penetrating radar

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**SS3 Outreach experiences across  
Canada — EdGEO workshops  
and beyond**

**Organizers/Organisateurs**

Eileen Van der Flier-Keller,  
Jane Wynne and Jennifer Bates

**Sponsored by** EDGEO

**Room/Salle** Student Union Building

**SS3-54** Relf, C. \*, Schreiner, D.R. and Baldwin, D.  
Spreading the Geo-gospel in the north:  
NWT's Geoscience Outreach Activities

**SS3-55** Fenton, M.M. \* and Mei, S.  
Use of satellite imagery for  
outreach/education in a Boreal  
Forest Community

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# List of Exhibitors

The Exhibition Hall is sponsored by Gold Sponsor EnCana

Booth number: 2, 3

## Russian Stone

**Address:** 14 Jaimie Rd, Thornhill, Ontario L4J 6A1

**Tel:** 905-760-2854 **Fax:** 905-760-2854

**Contact:** Elena Petrova

**Description:** The Russian Stone is a store that offers unique rocks, minerals, fossils, meteorites from Russia and other countries. As well as jewellery, souvenirs, laser crystal engraving, boxes, wall pictures, stone carvings made from semi-precious stones.

Booth number: 4

## Elsevier

**Address:** 360 Park Avenue South, New York, 10010 U.S.A.

**Tel:** 212-633-3756 **Fax:** 212-633-3112

**Contact:** Frankie Yona

**Description:** A world leading, multiple-media publisher of scientific, technical and health information products and services, with 7,000 employees in 73 locations around the globe.

Booth number: 5

## Johnston Geoscience Centre

**Address:** 175 Signal Hill Rd,

St. John's, Newfoundland, A1W 4N6

**Tel:** 709-737-7884 **Fax:** 709-737-7885

**Contact:** Michelle Miskell

**Description:** The Johnson GeoCentre is a world-class geological interpretation centre in St. John's that highlights Newfoundland and Labrador as "Earth's Geological Showcase." Known as the "Wonder Underground", the Geocentre offers state-of-the-art, interactive exhibits in a uniquely natural setting, as the walls are exposed to rock.

Booth number: 6

## Organic Agriculture Centre of Canada/NSAC

**Address:** Department of Animal Sciences, Nova Scotia Agricultural College, P.O. Box 550, Truro, Nova Scotia B2N 5E3

**Tel:** 902-593-7621 **Fax:** 902-896-7095

**Contact:** Derek Lynch

**Description:** The centre focuses on providing research and education courses focused on organic agriculture in Canada.

Booth number: 7, 8

## GAC/MAC

**Address:** Geological Association of Canada, Department of Earth Sciences, Room ER4063, Alexander Murray Building, Memorial University of Newfoundland, St. John's, NL A1B 3X5, Mineralogical Association of Canada, Meriline Postal Outlet, 1460 Merivale Road, Ottawa, Ontario K2E 1B1

**Tel:** 709 737-7660, 613 226-4651

**Fax:** 709-737-2532, 613 226-4651

**Contact:** Fran Pinard

**Description:** The Geological Association of Canada facilitates the scientific well-being and professional development of its members, the learned discussion of geoscience in Canada, and the advancement, dissemination and wise use of geoscience in public, professional and academic life. The Mineralogical Association of Canada (MAC) was formed in 1955 as a non-profit scientific organization to promote and advance the knowledge of mineralogy and the allied disciplines of crystallography, petrology, geochemistry and mineral deposits.

Booth number: 9

## GV Instruments

**Address:** 1 Place du Commerce, Suite 325, Brossard, Quebec J4W 2Z7

**Tel:** 450-923-2294 **Fax:** 950-923-4603

**Contact:** Guy Bilodeau

**Description:** Manufacturers of mass spectrometers.

Booth number: 10

## Pearson Education Centre

**Address:** 26 Prince Andrew Place, Don Mills, Ontario M3C 2T8

**Tel:** 416-386-3472 **Fax:** 416-447-7755

**Contact:** Kim Johnston

**Description:** At Pearson Canada, our commitment is to publish fiction, nonfiction and learning resources that speak to the broadest reading public.

Booth number: 11

### **Nikon Canada**

**Address:** 1366 AeroWood Drive

Mississauga, Ontario L4W 1C1

**Tel:** 905-625-9910 **Fax:** 905-625-0103

**Contact:** Robert Silverstein

**Description:** Imaging processing and support company.

Booth number: 12

### **Iso Mass Sciences**

**Address:** 140 5700 1St Street, South West,

Calgary, Alberta T2H 3A9

**Tel:** 413-255-6631

**Fax:** 413-255-6958

**Contact:** Nik Binder

**Description:** Isomass Scientific Inc. is a full service company that has served mass spectrometry users for 22 years. As the Canadian Agent for Thermo Electron (formerly Thermo FinniganMAT) we sell proven, world-class scientific instruments, such as organic and inorganic mass spectrometers and elemental analyzers.

Booth number: 13

### **Memorial University**

**Address:** Postal Address Memorial University of Newfoundland St. John's, Newfoundland A1C 5S7

**Tel:** 709-737-8000

**Fax:** 709-737-4569

**Contact:** Jim Wright

**Description:** Memorial University is committed to excellence in teaching, research and scholarship, and service to the general public.

*Memorial University recognizes a special obligation to educate the citizens of Newfoundland and Labrador, to undertake research on the challenges this province faces and to share its expertise with the community.*

Booth number: 14

### **Rock Ware**

**Address:** 2221 East St, Suite 101,

Golden, Colorado, 80401 U.S.A.

**Tel:** 303-278-3534 **Fax:** 303-278-4099

**Contact:** Jon Trujillo

**Description:** Inexpensive earth science and GIS software and computer consulting services.

Booth number: 15

### **Activation Labs**

**Address:** 1336 Sandhill Drive,

Ancaster, Ontario L9G 4V5

**Tel:** 905-648-9611 **Fax:** 905-648-9613

**Contact:** Stacy Russell

**Description:** Activation Labs is recognized in the mineral exploration industry as one of the most innovative laboratories offering a wide range of analytical technologies. Accredited to ISO 17025 for specific registered tests.

Booth number: 16

### **Association of Professional Geoscientists of NS**

**Address:** P.O. Box 8541,

Halifax, Nova Scotia B3K 5M3

**Tel:** 902-424-0406 **Fax:** 902-424-4671

**Contact:** Andrew Cameron

**Description:** The Association of Professional Geoscientists of Nova Scotia was established to: ensure high standards of practice within the geoscience community promote and advance our profession work with associated organizations across Canada to facilitate the registration of APGNS members in other provinces

Booth number: 17, 18, 19

### **National Resources**

**Address:** Newfoundland Department of Natural Resources, Natural Resources Building, 50 Elizabeth Ave., P.O. Box 8700, St. John's, Newfoundland A1B 4J6;

NS Dept. of Natural Resources, 1701 Hollis Street,

P.O. Box 698 Founders Square Halifax, Nova Scotia B3J 2T9;

NB Dept. of Natural Resources,

Hugh John Flemming Forestry Centre, P.O. Box 6000,

Fredericton, New Brunswick E3B 5H1

**Tel:** 709 729-4715, 902-424-5935, 506-453-2510

**Fax:** 709 729-2076, 902-424-7735, 506-444-5839

**Contact:** Mike MacDonald, Don Carroll, Baxter Kean

**Description:** The Departments of Natural Resources have broad responsibilities relative to the development, management, conservation and protection of forest, mineral, parks and wildlife resources and the administration of Crown land.

Booth number: 20

### **Dalhousie University**

**Address:** Department of Earth Sciences,  
Dalhousie University, Rm LSC 3006, Halifax, Nova Scotia

**Tel:** 902-494-2358 **Fax:** 902-494-6889

**Contact:** Jane Barrett

**Description:** Dalhousie University, one of Canada's leading universities, is widely recognized for outstanding academic quality and teaching, and a broad range of educational and research opportunities.

Booth number: 21

### **University of Toronto**

**Address:** 22 Russell Street, Toronto, Ontario M5S 3B1

**Tel:** 416-978-2060 **Fax:** 416-978-3938

**Contact:** Katheryn Gorra

**Description:** The University of Toronto offers graduate programs in in geology with a variety of research projects in earth and planetary sciences on both land and sea throughout the world along with well equipped analytical and research facilities in the Department of Geology.

Booth number: 22

### **Acadia University**

**Address:** Department of Geology, Huggins Science Hall,  
12 University Avenue, Wolfville, Nova Scotia B4P 2R6

**Tel:** 902-585-1208 **Fax:** 902-585-1876

**Contact:** Jan Spooner

**Description:** Acadia University is a primarily undergraduate institution providing a liberal education based on the highest standards; a scholarly community that aims to ensure a broadening life experience for its students, faculty and staff.

Booth number: 23

### **Agriculture Institute of Canada**

**Address:** 280 Albert Street, Suite 900,  
Ottawa, Ontario K1P 5G8

**Tel:** 613-232-9459 **Fax:** 613-594-5190

**Contact:** Andy Hammermeister

**Description:** The AIC promotes membership opportunities and benefits, scientific journals and upcoming scientific conferences.

Booth number: 24

### **Geoscience Laboratories**

**Address:** 933 Ramsey Lake Rd,  
Sudbury, Ontario P3E 6B5

**Tel:** 705-670-5632 **Fax:** 705-670-3047

**Contact:** Merilla Clement

**Description:**

Booth number: 25

### **Intrepid Geophysics**

**Address:** Unit 2, 1 Male Street,  
Brighton, Victoria 3186 Australia

**Tel:** 61 3 9593 1077 **Fax:** 61 3 9592 4442

**Contact:** Philip McInerney

**Description:** 3D Geomodeller is a radical new tool for building coherent 3D geological models. The model is built directly for your geology data. The company will also be exhibiting Intrepid geophysical processing.

Booth number: 26

### **Theresa Emberly Paintings**

**Address:** 137 Prince Albert Road,  
Dartmouth, Nova Scotia B2Y 1M5

**Tel:** 902-463-2225 **Fax:**

**Contact:** Theresa Emberly

**Description:** Fine art oil paintings on canvas. Works will include cliff paintings from the "Exiting Work" Series as well as newer pieces. To view images and for more information visit [www.theresaemberly.com](http://www.theresaemberly.com)

Booth number: 27

### **Canadian Light Source**

**Address:** Canadian Light Source Inc.,  
University of Saskatchewan, 101 Perimeter Road,  
Saskatoon, Saskatchewan S7N 0X4

**Tel:** 306 657-3500 **Fax:** 306 657-3535

**Contact:** Sandra Riberio

**Description:** Canadian Light Source (CLS) Inc. is Canada's national facility for synchrotron light research. Officially opened in October 2004, the CLS will light the way to a new era of science and innovation in Canada for academe, government and industry.

Booth number: 28

### **Salty Taste Designs**

**Address:** 2635 Connolly Street,  
Halifax, Nova Scotia B3L 3M4

**Tel:** 902-453-1708 **Fax:**

**Contact:** Sharon Jarden

**Description:** Himalayan crystal rock salt lamps  
and tea light holders

Booth number: 30

### **AGS**

**Address:** AGS, Earth Sciences Department,  
Dalhousie University, Halifax, Nova Scotia B3H 3J5

**Tel:** 902-494 2364 **Fax:**

**Contact:** Peter Wallace

**Description:** The Atlantic Geoscience Society (AGS)  
brings together earth scientists from universities, government  
institutions, the mining and petroleum industries, and consultants  
in the Atlantic Provinces. Its membership includes professional  
geologists, students, and interested members of the public.

Booth number: 31

### **NSERC**

**Address:** NSERC, 350 Albert Street,  
Ottawa, Ontario K1A 1H5

**Tel:** 613-996-4148 **Fax:**

**Contact:** Ken Rankine

**Description:** NSERC's role is to make investments in  
people, discovery and innovation for the benefit of all Canadians.  
We invest in people by supporting more than 20,000 university  
students and postdoctoral fellows in their advanced studies.

Booth number: 32

### **EnCana**

**Address:** 1701 Hollis Street, Suite 700,  
Halifax, Nova Scotia B3J 3M8

**Tel:** 902-422-4500 **Fax:** 902-425-2766

**Contact:** Lori MacLean

**Description:** EnCana is one of North America's  
leading independent oil and gas companies. We are  
North America's largest natural gas producer.

# Author Index

## Author

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 Ashton, K.E. .... SM6  
 Aspden, S.T. .... SS9-P  
 Aspler, L. .... SS18  
 Asselin, E. .... GS5-P  
 Atkinson, I. .... SM5C  
 Audet, M-A. .... GS2, GS2-P  
 Aulbach, S. .... SM4  
 Ault, A.K. .... SS15-P  
 Ausma, S. .... SS7  
 Austin, J.L. .... SS28-P  
 Avery, M. .... SM5B  
 Aydin, A. .... SS7  
 Azooz, R. .... SS23-P

### B

Badenhorst, C. .... SM1C  
 Bai, Y. .... SS22  
 Bailey, J. .... GS2  
 Baillargeon, F. .... GS1B  
 Baker, C.J.G. .... SS2  
 Bakker, R.J. .... GS3  
 Baldwin, D. .... SS3-P  
 Ball, N. .... GS3  
 Banas, A. .... SM4, SM4  
 Barchi, M.R. .... SS5  
 Barendregt, R.W. .... SS12  
 Barker, D.S. .... SM3  
 Barnes, C.R. .... GS6  
 Barnett, W.P. .... SM4  
 Barr, S.M. .... SM6, SS4, SS5, SS15-P, SS15-P  
 Barresi, T. .... SS1  
 Barrett, K.A. .... SS20-P  
 Barrett, T. .... SM1-P  
 Bartlett, J. .... SS19  
 Barton, E.S. .... SM4



Bartsch, C.J. .... SS15-P  
 Basciano, L.C. .... SM2-P  
 Basiliko, N. .... SS22-P, SS27  
 Basinger, J.F. .... SS25  
 Bates, J.L. .... SS3  
 Baudemont, D. .... SM4  
 Beach, A. .... SM1C  
 Beaudoin, A.B. .... SS4  
 Beaudoin, G. .... SS1, GS1A, GS1B, GS1C, GS1C  
 Beaumont, C. .... SM5C, SM5C, SS14, GS2  
 Beaumont-Smith, C.J. .... SM6, SM6  
 Bébien, J. .... SM3  
 Beckholmen, M. .... SM1F  
 Bekele, A. .... SS27  
 Belkabir, A. .... SM1F  
 Bell, K. .... GS4  
 Bell, T. .... SS9-P, SS19, GS5-P  
 Bellon, H. .... SS1-P  
 Belonogov, A. .... SS24-P  
 Beltrami, H. .... SS25, SS25, SS25-P, SS27,  
 .... SS27-P, SS27-P, SS27-P  
 Bennett, R. .... SS19  
 Benz, D.M. .... GS3  
 Berch, S.M. .... SS27  
 Berman, R.G. .... SM6  
 Bernard, J. .... GS1A, GS1A  
 Berniolles, F. .... GS2  
 Bertrand, R. .... SM5D  
 Bethune, K.M. .... SM6  
 Beyaert, R.P. .... SS21, SS22  
 Beylich, A. .... SS11  
 Billard, D. .... GS1-P  
 Birck, J.-L. .... SM1E  
 Bitterlich, I. .... GS7  
 Black, M. .... SS21, SS27-P  
 Blackwood, G.M. .... SS20-P  
 Blades, D. .... SS3  
 Blanchard, J. .... SS23  
 Blasco, S.M. .... SS11, SS19, SS24  
 Bleeker, W. .... SS4  
 Blowes, D.W. .... SM2  
 Bock, M.D. .... SS24, GS7  
 Böhm, C.O. .... SM4, SM6, SS10  
 Bojesen-Koefoed, J.A. .... SM5C, SM5C  
 Bolduc, A. .... SS9  
 Boncheva, I.A. .... SS17-P, SS17-P  
 Bone, Y. .... SS25  
 Bonham-Carter, G.F. .... SS10  
 Bonin, B. .... SM3

Bonin, J.L. .... SS28  
 Bonnet, A.-L. .... SM1-P, SM6  
 Bonson, C. .... SM1C, SM1C, SM1C  
 Boric, R. .... SS16  
 Boscov, S. .... SS1  
 Bosman, S.A. .... GS5-P  
 Bouman, O.T. .... SS27, SS27  
 Bourlon, E. .... SS25  
 Bowden, A. .... SM1C, SM1C  
 Bowerman, M.S. .... SM4  
 Bowring, S. .... SS15  
 Boyce, A. .... SM1B, SM1-P  
 Boyce, W.D. .... GS5  
 Bradley, R.L. .... SS23  
 Braidek, J.T. .... SS22  
 Brandt, S. .... SS20  
 Braun, J. .... SS6  
 Braun, M.D. .... SS22  
 Brem, A.G. .... SS6  
 Brenan, J.M. .... SS1-P  
 Brewer, K. .... SS24  
 Brierley, J.A. .... SS22, SS24, SS26, SS26  
 Brin, G. .... SS24-P  
 Brisebois, D. .... SM5D, SM5D, SM5D  
 Brookfield, M.E. .... SS12  
 Broster, B.E. .... SS9-P, SS9-P  
 Brouillette, P. .... SM5D, SS10-P  
 Brown, A.C. .... SM1C  
 Brown, O.H. .... SS10-P  
 Brüning, R. .... SS1  
 Brunt, R. .... SS19  
 Brunton, F.R. .... GS6-P  
 Bryksina, N.A. .... GS3  
 Buchan, K.L. .... SS1, SS1  
 Buchardt, B. .... SS15-P  
 Buckley, K.A. .... SS22  
 Budkewitsch, P. .... SS1, SS10, SS10, SS10-P  
 Bull, G.Q. .... SS22-P  
 Burden, E.T. .... SM5D  
 Burns, P.C. .... SM2  
 Burton, D.L. .... SS22, SS22, SS22, SS22-P, SS22-P,  
 .... SS22-P, SS22-P, SS22-P  
 Busa, M.D. .... GS2  
 Buschmann, B. .... GS1D  
 Buse, S. .... GS4  
 Butler, K.E. .... GS6, GS6

## C

|                           |                        |                       |                                    |
|---------------------------|------------------------|-----------------------|------------------------------------|
| Cabral, A.R. ....         | GS1B                   | Chapman, C. ....      | SM1C                               |
| Cabri, L.J. ....          | GS3                    | Charrier, R. ....     | SS6                                |
| Çagatay, N. ....          | SM1E                   | Chartrand, F. ....    | SM1A                               |
| Cahill, C.L. ....         | SM2-P                  | Chatfield, E.J. ....  | SM2                                |
| Calder, J.H. ....         | SS13, SS13, SS17, SS13 | Cheer, D.A. ....      | GS2                                |
| Callaghan, C.J. ....      | SS26, SS26             | Chen, F. ....         | SS26                               |
| Calon, T.J. ....          | SM5C                   | Chiarenzelli, J. .... | SS18                               |
| Calver, C.R. ....         | GS5                    | Choi, T. ....         | SS6                                |
| Camacho, A. ....          | SS6, SS6               | Choquette, M. ....    | GS1B                               |
| Cambouris, A.A.N. ....    | SS23-P                 | Chow, N. ....         | GS5                                |
| Cameron, B.I. ....        | SS1                    | Christensen, O. ....  | SS11                               |
| Cameron, G.D.M. ....      | SS19                   | Christiansen, J. .... | SS15-P, GS5                        |
| Camiré, C. ....           | SS23                   | Christie, B.S.M. .... | SS23-P                             |
| Campbell, A.J. ....       | SS23-P                 | Chu, G. ....          | SS23-P                             |
| Campbell, D.C. ....       | SS10-P, SS11, SS11     | Chung, C.-J. ....     | SS10                               |
| Campbell, I.H. ....       | SS12                   | Church, A.K. ....     | SS7-P                              |
| Campbell, J.L. ....       | SS20                   | Churchill, A.D. ....  | SS5                                |
| Canuel, R. ....           | SS7                    | Cioppa, M.T. ....     | GS6                                |
| Capmas, F. ....           | SM1E                   | Clague, J.J. ....     | SS4, SS4, SS11, SS25               |
| Carboni, V. ....          | SM1C, SM1C             | Clark, R.G. ....      | SS22                               |
| Card, C. ....             | SM6                    | Clark, T. ....        | SM6                                |
| Carmichael, D.M. ....     | SM2                    | Clarke, D.B. ....     | SM3, SM3, SM3, SM3                 |
| Carr, S.D. ....           | SS14, SS14, GS2        | Clauer, N. ....       | SS6                                |
| Carrapa, B. ....          | SS6-P                  | Clouter, M.J. ....    | SM2-P                              |
| Carruzzo, S. ....         | SM3                    | Clowes, R.M. ....     | SS4                                |
| Carson, J. ....           | SS10-P                 | Coen, G.M. ....       | GS7, SS24                          |
| Carter, A. ....           | SS8                    | Cole, J. ....         | SS9-P                              |
| Carter, M.R. ....         | SS23-P, SS23-P, SS28-P | Coleman, M. ....      | GS6                                |
| Carter, W.M. ....         | GS1B                   | Coller, D. ....       | SM1C                               |
| Casquet, C. ....          | SM1-P                  | Collins, P.G. ....    | SS16, GS1B                         |
| Castonguay, S. ....       | SM5D                   | Colpron, M. ....      | SS1                                |
| Cauchon-Voyer, G. ....    | SS11                   | Colwell, J. ....      | SS1                                |
| Cavell, R.G. ....         | GS3                    | Conde, C. ....        | SM1E, SM1E                         |
| Cembrano, J. ....         | SS6                    | Coniglio, M. ....     | SS8-P, SS9-P, GS5-P, GS6-P         |
| Centeno, J.P. ....        | SS6                    | Conly, A.G. ....      | SS1-P, SS18                        |
| Cern, P. ....             | SM2                    | Conway, L.E. ....     | SM5C                               |
| Cessna, A.J. ....         | SS26                   | Cook, A. ....         | SM5D                               |
| Chacko, T. ....           | SM4, SM6, SS3, SS14    | Cook, F.A. ....       | SM6, SS4                           |
| Chagnon, A. ....          | SM1B                   | Cook, L.A. ....       | SS15-P                             |
| Chakhmouradian, A.R. .... | GS3                    | Cooper, J.M. ....     | SS23                               |
| Chakungal, J. ....        | SM6                    | Cooper, P. ....       | SS15-P                             |
| Chan, R.A. ....           | SS12-P                 | Coote, R. ....        | SS26                               |
| Chanasyk, D. ....         | SS23-P                 | Corcoran, P.L. ....   | SS8                                |
| Chandrasekharam, D. ....  | SS1                    | Corkery, T.M. ....    | SM4, SS10                          |
| Chang, C. ....            | SS23                   | Corrigan, D. ....     | SM6, SM6, SM6, SM6, SM6, SS6, SS10 |
| Chang, S. ....            | SS23-P                 | Corriveau, L. ....    | SM1-P, SM6, SS3                    |
| Channer, D.M.DeR. ....    | SM4                    | Corriveau, M.C. ....  | SS20                               |
| Chaplygin, I. ....        | SM1E                   | Cosca, M.A. ....      | SS6                                |

Côté, P..... SS3  
 Coulson, I.M..... GS4  
 Cousens, B..... SS1, GS4  
 Coutand, I..... SS6-P  
 Cox, R.A..... SM1D, SS1  
 Coyle, M..... SS10  
 Creaser, R.A..... SM1B, SM2-P, SM4, SM6, SS1-P, SS16, GS2  
 Crowe, S.A..... SS20-P  
 Crumbaugh, J.A..... SS23-P  
 Crux, J..... GS5-P  
 Csank, A.Z..... SS25  
 Culshaw, N.G..... SM6, SS14  
 Cuney, M..... GS3  
 Currie, M..... SS10  
 Cutler, J..... SM4-P, GS3

## D

Dadd, K.A..... SS1, SS1  
 Dagesse, D.F..... GS7  
 Daigneault, R..... GS1D  
 Dalhoff, F..... SM5C  
 Dalpé, Y..... SS28-P  
 Daly, J.F..... GS5-P  
 Dalziel, J..... SS7  
 Daneshfar, B..... SS24, SS24, SS26  
 Daniels, C.M..... SS20  
 Daoust, C..... GS1-P  
 Dargahi, S..... GS4-P  
 Davenport, P..... GS5-P  
 Davies, R.M..... SM4-P  
 Davies, S.J..... SS13  
 Davis, D.W..... SM6, SS6, GS2  
 Davis, W.J..... SM6, SM6, SM6, SS6, GS4  
 Davison, I..... SM5C  
 de Grosbois, S..... SS7  
 De Hoog, J.C.M..... SM4, SM4-P  
 De Jong, R..... SS26, SS26, SS26  
 de Kemp, E.A..... SS10  
 De Paola, N..... SS5  
 De Souza, S..... GS1-P  
 De Stefano, A..... SM4  
 de Vernal, A..... SS25  
 De Vito, C..... SM2  
 De Wit, M.J..... SM4, SS15  
 Dechmi, F..... SS26  
 Deen, W..... SS21, SS23, SS23-P, SS28  
 Dehler, S.A..... SM5C, SS4, SS10-P, SS15-P  
 Dekeyser, L-K..... GS6-P  
 Della Ventura, G..... SM2

DeMont, G.J..... SS9  
 DeMulder, J..... SS23-P  
 Denyszyn, S.W..... GS2  
 Derome, D..... GS3  
 Desjardins, R.L..... SS26  
 Dewey, C.P..... SS13  
 Dewing, K..... SS4, GS5-P  
 D'hulst, A..... GS1C  
 Dias, G..... SS7  
 Dietrich, J.R..... SM5-P, SM5-P  
 Diné, E..... GS4-P  
 Diochon, A.C..... SS27-P  
 Dion, D-J..... SS10-P  
 Distler, V..... SM1E  
 Dobrzanski, E.P..... GS5-P  
 Dolby, G..... SS17  
 Donaire, T..... SM1-P  
 Donaldson, J.A..... SS3, SS18  
 Donelick, M.B..... SS6  
 Donelick, R.A..... SS6, SS6  
 Dostal, J..... SS1, SS1, SS1, SS1, SS1, SS2,  
 .....SS15, SS15, SS15-P, GS4  
 Dougherty, B.J..... GS5-P  
 Downer, R.G..... SS27  
 Downey, M.W..... SM6  
 Downey, W.S..... SM1F  
 Dredge, L..... SS10-P  
 Drost, K..... SS15  
 Drury, C.F..... SS22, SS23-P, SS26, SS26, SS26, GS7  
 Dubé, B..... SM1B  
 Dubois-Côté, V..... SS14-P  
 Dudas, F..... SS15  
 Duffy, G.P..... SS11  
 Duk-Rodkin, A..... SS12, SS12, SS12-P  
 Dumond, G..... SM6, SM6, SM6  
 Dunning, G.R..... SM1A, SS14  
 Dupuis, C..... SS14-P  
 Dupuis, E.M..... SS23  
 Durall, D.M..... SS27  
 Durocher, K..... SS22-P  
 Duzgoren-Aydin, N.S..... SS7

## E

Earls, G..... SM1B, SM1-P  
 Eberth, D.A..... SS4  
 Edinger, E.N..... SS20-P, SS20-P  
 Edwards, G.C..... SS7  
 Edwards, W.A.D..... SS3, SS3  
 Egger, K..... SS27

Egorov, K.N. .... SM4  
 Ehrman, J.M. .... SS1, SS18  
 Eilers, R.G. .... SS26  
 Eilers, W.D. .... SS26, SS26  
 El Bilali, L. .... SS7  
 Eliuk, L.S. .... SM5B  
 Elliot, T.R. .... GS7, GS7-P, GS7-P  
 Elliott, G.M. .... SS11  
 Ellis, J.R. .... SS15, SS15  
 Ellsworth, S. .... SS22-P  
 Enachescu, M.E. .... SM5A, SM5B, SM5C, SM5C, SM5C  
 Endres, A.L. .... GS6-P  
 Enkelmann, E. .... SS6  
 Entz, M.H. .... SS23  
 Erb, M.M. .... SS22  
 Ercit, T.S. .... SM2  
 Erdmann, S. .... SM3, SM3  
 Eriksen-Hamel, N.S. .... SS23-P  
 Ernst, R.E. .... SS1, SS1, SS1  
 EARTH 3020, .... SM2-P  
 Escobar, R. .... SS24  
 Essaifi, A.A. .... SM1F  
 Evans, D.A.D. .... SM6, SS15, GS5  
 Evans, J.A. .... SS15, SS15-P  
 Evans-Lamswood, D. .... SM1D, SM1D, SM1D, SM1D  
 Evenchick, C.A. .... SS8, SS6  
 Everitt, R.A. .... SS6-P  
 Ewing, R.C. .... SM2  
 Eyles, N. .... SS4

## F

Fader, G.B.J. .... SS19-P  
 Fagan, P.J. .... SM5B  
 Farazdaq, H.H. .... SS16  
 Farenhorst, A. .... SS26, SS28, SS28, SS28-P, SS28-P  
 Farley, K.A. .... SS6, SS6-P  
 Farquhar, J. .... SM1F  
 Farrell, R.E. .... SS20, SS22, SS22  
 Fedak, T.J. .... GS5  
 Feely, M. .... GS4  
 Feng, Y. .... SS23  
 Fei, Y. .... SM4-P  
 Fensome, R.A. .... SS4, SS4, SS4, GS5-P  
 Fenton, M.M. .... SS3-P, SS10, GS5-P  
 Ferguson, G.A.G. .... SS25  
 Fernández-Suárez, J. .... SS15, SS15  
 Ferri, F. .... SS6, SS16  
 Fielding, C.R. .... SS12  
 Filewych, G. .... SS3

Finn, G.C. .... SS3  
 Fiorini, F. .... GS5-P  
 Fipke, C.E. .... GS3  
 Fisette, T. .... SS24  
 Fleet, M.E. .... SM2  
 Flemming, R.L. .... GS3, GS3, GS3  
 Flowers, R.M. .... SM6  
 Flynn, L. .... SS24  
 Focht, N. .... SS3  
 Forbes, D.L. .... SS11  
 Force, E.R. .... SS5  
 Ford, K. .... SS10-P  
 Forge, T. .... SS23  
 Fortin, D. .... SS7  
 Fowle, D.A. .... SS20-P  
 Fowler, A.D. .... GS4-P  
 Fowler, M.G. .... SM5B, SS4, SS16  
 Fox, C.A. .... SS26  
 Fox, N. .... SM1-P  
 Fralick, P.W. .... SS1, SS8, SS8  
 Francis, D. .... SM2-P  
 Fraser, W.R. .... SS26  
 Frizzell, R. .... SS9  
 Froese, D.G. .... SS12, SS12  
 Fryer, B.J. .... SM2, SS1, SS20-P, GS3  
 Funck, T. .... SM5C, SM5C  
 Furlong, D. .... SM1-P

## G

Gaboury, D. .... GS1D  
 Gagne, S. .... SS6  
 Gagnon, J.E. .... SM2, SS1  
 Galindo, C. .... SM1-P  
 Gall, L. .... SM4-P  
 Gallagher, V. .... SM1-P  
 Gallant, T.L. .... SS23  
 Gameda, S. .... SS26  
 Gana, P. .... SS6  
 Garcia-Sanches, R. .... SS15  
 Gard, G.I. .... GS5-P, GS5-P  
 Gardiner, J.L. .... SS13  
 Gardoll, S. .... GS1D  
 Garnier, V. .... SM1B  
 Gately, J. .... SM1C  
 Gauthier, M. .... SM1A, SM1A, SM1C, GS1B, GS1D, GS1-P  
 Gautrey, S. .... SS9-P  
 Geertsema, M. .... SS11  
 Gehmlich, M. .... SS15  
 Geiger, S. .... SM1E

Gemmer, L. .... SM5C  
 Geraghty, J. .... SM1C  
 Gerlings, J. .... SM5C  
 Gerrard, S.A. .... SS20  
 Gerring, C.R. .... SS8  
 Gharabaghi, B. .... GS7-P  
 Gibling, M.R. .... SS8-P, SS12, SS12, SS13, SS13  
 Gibson, H.D. .... SS6  
 Gibson, H.L. .... SM1F, SS1  
 Giles, P.S. .... SM5-P, SS17, SS17  
 Gillis, E.S. .... SM5D  
 Gilotti, J.A. .... SS14, GS2, GS2  
 Gingras, M.K. .... SM5A, SS18  
 Giudice, G.M. .... SS9-P  
 Gleeson, S.A. .... GS1A  
 Gloaguen, R. .... SS6  
 Glynn, T.A. .... SS20-P  
 Goddard, T.W. .... SS22, SS22, SS23  
 Godin, A. .... SS11  
 Goncalves, P. .... SM6  
 Göncüoğlu, C.M. .... SS17-P  
 González-Álvarez, I. .... SS8: SS8  
 Gonzalez-Roldan, M.J. .... SM1-P, GS1-P  
 Goodarzi, F. .... SS7-P, SS7-P, SS7-P  
 Goodfellow, W.D. .... SM1F, SS4, SS16  
 Goodwin, T.A. .... SS7, SS7  
 Gordon, R. .... SS22-P, SS22-P, SS23  
 Gornova, M.A. .... SM4  
 Gosnold, W.D. .... SS25  
 Gosse, J.C. .... SS6, SS19, SS19  
 Goudie, A.S. .... SS24-P  
 Gould, K. .... GS4  
 Goulding, R.K. .... SM2-P  
 Goulet, N. .... GS2, GS2-P  
 Goussard, N. .... SS26  
 Granger, B.G. .... SM5-P, SS17  
 Grant, A.C. .... SM5-P  
 Grant, B.B. .... SS26  
 Grant, C.A. .... SS20, SS22-P, SS26  
 Grant, M. .... SS26  
 Grant, R.F. .... SS22  
 Grantham, M.E. .... SS3  
 Grapes-Yéo, K. .... SS3  
 Gray, J.T. .... SS19, SS19  
 Gray, N.H. .... GS2  
 Grayston, S.J. .... SS21, SS22-P, SS27  
 Greenough, J.D. .... SS1, SS2, SS2, GS3  
 Gregorich, E.G. .... SS22, SS22  
 Grenne, T. .... SM1F  
 Griffin, W.L. .... SM4

Grimmett, M. .... SS23  
 Grist, A.M. .... SS6, SS6, SS6, SS6  
 Groat, L.A. .... SS1  
 Groenevelt, P.H. .... GS7  
 Groome, W.G. .... GS2  
 Grunow, A.M. .... SS15-P  
 Grunsky, E.C. .... SS10-P, SS10-P  
 Grütter, H.S. .... SM4  
 Gu, Q. .... SS14  
 Guenter, W. .... SS23-P  
 Guilmette, C. .... SS14-P  
 Gurney, J.J. .... SM4  
 Guven, J. .... SM1C, SM1C  
 Gylling, H. .... SM3

## H

Haidl, F.M. .... SS3, SS4  
 Halabicki, P.S. .... SS28, SS28-P  
 Halden, N.M. .... GS3  
 Hall, D.C. .... SM4  
 Hall, G.E.M. .... SS7, SS20  
 Hallett, B.W. .... GS2, GS2  
 Halls, H.C. .... SM6, GS2  
 Ham, L.J. .... SS3  
 Hamblin, K. .... SS12  
 Hamilton, P.B. .... SS7  
 Hammer, P.T.C. .... SS4  
 Hammermeister, A.M. .... SS23  
 Hanmer, S. .... SS4  
 Hannington, M.D. .... SM1E, SM1F  
 Hao, X. .... SS23, SS23  
 Harapiak, J.T. .... SS23-P  
 Hardy, V.E. .... SM5B  
 Hargreaves, J.C. .... SS23-P  
 Harlow, G.E. .... SM4-P  
 Harmes, R.A. .... SS24  
 Harper, C.T. .... SM6  
 Harper, D.A.T. .... SS15-P, GS5  
 Harper, J.D. .... SM5B  
 Harrington, J.P. .... SS26  
 Harris, A.J.L. .... SS24  
 Harris, J.R. .... SS10, SS10, SS10, SS10-P, SS10-P,  
 .... SS10-P, SS10-P, SS10-P  
 Harrison, C. .... SS4  
 Hart, C. .... SM1B  
 Hart, T.R. .... SS1  
 Harte, B. .... SM4  
 Hartlaub, R. .... SM6  
 Harvey, P.J. .... SM5D

Haughton, P.D.W. .... SS11  
 Hawthorne, F.C. .... SM2, SM2-P, SM2-P  
 Hayward, S. .... SS10-P  
 Heaman, L.M. .... SM2-P, SM4, SM4, SM4, SM3,  
 ..... SM6, SS3, SS8  
 Hebert, B. .... SS13  
 Hébert, E. .... SM1A  
 Hébert, R. .... SS1, SS14-P  
 Heck, R.J. .... GS7, GS7-P, GS7-P  
 Heenan, S.K. .... SS3  
 Heidman, A.P. .... SS28  
 Hendershot, W. .... SS23  
 Henderson, G.S. .... SM2  
 Henderson, K. .... SM1C  
 Henrichsen, M. .... SM1-P  
 Hensen, B.J. .... SS6  
 Herrington, R.J. .... SM1E, GS1D  
 Herzig, P.M. .... SM1E  
 Hesse, R. .... SM5B, SS11, GS5  
 Hibbard, J.P. .... SS15  
 Hibti, M. .... GS1-P  
 Hicock, S.R. .... SS9  
 Higgins, M.D. .... SS1, SS1-P, SS2  
 Hill, P.R. .... SS4, SS11  
 Hill, R. .... GS5-P  
 Hillaire-Marcel, C. .... SS25  
 Hinchey, A.M. .... SS14, GS2  
 Hingston, R. .... SS3  
 Hitchcock, R. .... SS10-P  
 Hitzman, M.W. .... SM1F  
 Hochstein, R. .... GS1-P  
 Hodych, J.P. .... SS1  
 Hogg, J.R. .... SM5A  
 Hogue, E.J. .... SS23  
 Holdstock, M. .... SM1C  
 Holdsworth, R.E. .... SS5, GS2  
 Holland, N. .... GS1D  
 Hollings, P. .... SS1, SS1-P, SS8  
 Holston, A. .... GS1-P  
 Hooks, B.P. .... SM3  
 Hopkins, J.C. .... GS5  
 Horák, J.M. .... SS15, SS15-P  
 Horne, R.J. .... SM1B, GS2  
 Horne, R.R. .... SM1A  
 Hothem, R.L. .... SS7, SS7  
 Hounsell, V.L. .... SS1-P  
 Howerter, D.W. .... SS22  
 Hu, Q. .... SS22-P  
 Hudnall, W.H. .... SS27

Huffman, E. .... SS26, SS26, SS26, SS26  
 Huffman, T. .... SS24, SS24  
 Hughes-Clarke, J.E. .... SS11, SS19  
 Huhma, H. .... GS1D  
 Huismans, R.S. .... SM5C  
 Huminicki, M.A.E. .... SM1D  
 Humphreys, L. .... SS2  
 Hunerlach, M.P. .... SS7  
 Hunt, A.P. .... SS13  
 Hunt, J. .... GS4  
 Hunter, R.C. .... SM6  
 Huntley, D.H. .... SS9  
 Huot, F. .... SS14-P  
 Hupé, A. .... GS1A  
 Hutchinson, J.J. .... SS26  
 Hynes, A.J. .... SM4, SS4  
 Hynes, S.E. .... SS24

## I

Iezzi, G. .... SM2  
 Ige, D.V. .... SS23-P  
 Imaña, M. .... SM1-P  
 Indares, A.D. .... SS14  
 Ineson, P. .... SS21  
 Ings, S.J. .... SM5C  
 Irwin, D.A. .... SS10  
 Issler, D.R. .... SS6  
 Ivashchenko, V. .... GS1D  
 Iwanowska, K. .... SS11  
 Izard, C.F. .... GS5

## J

Jackson, H.R. .... SM5C, SM5C, SS4  
 Jacques, N. .... GS3  
 Jain, M. .... SS12  
 Jambor, J.L. .... SM2  
 James, D.T. .... SM6  
 James, N.P. .... SS25  
 Jamieson, H.E. .... SS20, SS20  
 Jamieson, J.W. .... SM1F  
 Jamieson, R.A. .... SM2-P, SM6, SS6, SS14  
 Jarvis, I. .... SS24, SS26  
 Jauer, C.D. .... SM5B  
 Javorek, S.K. .... SS26  
 Jayasundara, S.S. .... SS22-P  
 Jeffries, T.E. .... SS15  
 Jehangir, S. .... GS5  
 Jelsma, H.A. .... SM4

Jenner, K.A. .... SS10-P, SS11  
 Jensen, S. .... SS18  
 Jerabkova, L. .... SS27  
 Jercinovic, M.J. .... SM6  
 Ji, S. .... SS14, GS2  
 Jiang, D. .... SS5  
 Jiao, Y. .... SS23  
 Johnson, S.E. .... SS14-P, GS2  
 Johnston, A.M. .... SS23-P  
 Johnston, A. .... SS22-P  
 Jonckheere, R. .... SS6  
 Jones, A.L. .... GS5-P  
 Jones, P.C. .... GS1B, GS1B  
 Jones, S. .... GS5-P  
 Jordan, S. .... SS14  
 Joschko, M. .... SS26  
 Juma, N.G. .... GS7  
 Junkins, B. .... SS26  
 Jutras, P. .... SS17

## K

Kalra, Y.P. .... SS23-P  
 Kamga, G. .... SS15  
 Karasinski, D.R. .... GS5-P  
 Kavanaugh, K.M. .... SS27-P  
 Kay, B.D. .... SS21, SS22, SS28  
 Kazansky, V.I. .... SM2-P, SM6-P  
 Kearsey, S.J. .... SM5C  
 Keating, P.B. .... SM5D, SS10, SS10-P  
 Keighley, D. .... SM5D  
 Kelley, S.P. .... SS8  
 Kellman, L. .... SS21, SS22-P, SS27, SS27-P  
 Keppie, J.D. .... SS15, SS15-P  
 Kerr, A. .... SM1B, SS3, GS1A  
 Kerrich, R. .... SS8, GS1A  
 Kershaw, G.P. .... SS19  
 Ketcham, R.K. .... SS6  
 Ketchum, J. .... SM6  
 Kettanah, Y. .... SM5-P, SS12  
 Khattak, N.U. .... SS6-P  
 Khodabaskhsh, S. .... SS11  
 Khozhina, E.I. .... SS20-P  
 King, D. .... SS8  
 King, E.L. .... SS11, SS19  
 Kirkley, M. .... SM4  
 Kirkwood, V. .... SS26  
 Kirstein, L. .... SS6  
 Kivi, K. .... SM4  
 Kleeberg, R. .... SM1E

Klingelhöfer, F. .... SM5C  
 Knaack, C. .... SS6  
 Knight, I. .... GS5  
 Knight, J.D. .... SS23-P, SS20  
 Koch, J. .... SS25  
 Kohn, B.P. .... SS6, SS6-P  
 Konstantin, L.V. .... SM2-P  
 Kontak, D.J. .... SM1B, SS1  
 Koons, P.O. .... SS14-P, GS2  
 Kopylova, M.G. .... SM4, SM4-P, GS3  
 Koroteev, V. .... GS1D  
 Kosarev, A.M. .... GS1D  
 Kostrovitsky, S.I. .... SM4  
 Kostylev, V.E. .... SS18-P  
 Kotuby-Amacher, J. .... SS23-P  
 Kotzer, T.G. .... SS22-P, GS3, SM4-P  
 Kousa, J. .... GS1D  
 Kowalchuk, C. .... GS5-P  
 Krabbendam, M. .... GS2  
 Krabbenhoft, D.P. .... SS7  
 Kristiansen, K. .... SS15-P  
 Kroetsch, D. .... SS26  
 Krogh, T.E. .... GS2  
 Kroner, U. .... SS15  
 Kryzanowski, L.K. .... SS22  
 Kuijpers, A. .... SM5C  
 Kuiper, Y.D. .... SM6  
 Kurszlauskis, S. .... SM4, SM4-P  
 Kusiak, M.A. .... SS8  
 Kusmirski, R. T. .... GS1-P  
 Kuwabara, J.S. .... SS7  
 Kwitko-Ribeiro, R. .... GS1B  
 Kwok, Y.Y. .... GS2  
 Kwong, J.Y.T. .... SS20-P  
 Kyser, K. .... SM2, SS25

## L

Labonté, M. .... SS7-P  
 Lafontaine, J. .... SM1B  
 Lafrance, B. .... GS2  
 Lake, C.B. .... SS9  
 Lakova, I.I. .... SS17-P  
 Lalande, R. .... SS22-P  
 Laliberté, J.-Y. .... SM5D  
 Lalonde, A.E. .... GS3, GS4  
 Lalonde, R. .... SS27  
 Lamothe, D. .... SS10  
 Lamoureux, S.F. .... SS28-P  
 Lane, L.S. .... SS18

Langlois, J. .... SS24-P  
 Large, R.R. .... SM1E  
 Lariviere, J-F. .... SM1C  
 Larsen, L.M. .... SM5C  
 Lassen, S. .... SM5C  
 Last, W.M. .... GS5-P  
 Laughlin, R.J. .... SS22-P  
 Lauzon, J.D. .... SS23, SS23-P  
 Lavoie, D. .... SM5D, SM5-P, SS4  
 Layer, P.W. .... SM6  
 Leach, D. .... SS23-P  
 Leake, B.E. .... GS4  
 Lean, D.R.S. .... SS7  
 Lease, N. .... GS4-P  
 LeCheminant, A.N. .... SM6  
 Leclerc, M-L. .... SS26  
 Lee, B. .... GS2  
 Lee, J.K.W. .... SS6, SS6  
 Lee, M.M. .... SM2  
 Lee, Y.I. .... SS6, SS6-P  
 Lefebvre, A. .... SS26  
 Lefebvre, N.S. .... SM4  
 Legault, D. .... GS2  
 Legault, M. .... GS1C, GS4  
 Lehmann, B. .... GS1B  
 Lehtilä, T. .... GS1D  
 Leitch, A.M. .... GS1A, GS4  
 Lemke, R.L. .... SS22  
 Lenton, P.G. .... SS10  
 Lentz, D.R. .... SM1B, SM1F, SM1-P, SM6, GS1-P  
 Lepage, L.D. .... GS3  
 Lepard, D.W. .... GS5-P  
 Leroueil, S. .... SS11  
 Levac, E. .... SS19, SS25  
 Levesque, C.L. .... SS11  
 Lewis, C.F.M. .... SS19-P  
 Leybourne, M. .... SS1  
 Li, C. .... SM1D  
 Li, M.Z. .... SS11  
 Li, X. .... SS22, SS22-P, SS23  
 Li, Y. .... SS14-P  
 Liferovich, R.P. .... GS3  
 Liggins, L. .... SS26  
 Lim, H.S. .... SS6-P  
 Lin, S. .... SM4, SM6, SS5, SS6  
 Lines, G.S. .... SS25  
 Linnemann, U. .... SS15  
 Lintern, D.G. .... SS11  
 Little, E.C. .... SS10-P, SS19

Liu, A. .... SS28-P  
 Liu, K. .... SS23  
 Lobanov, K.V. .... SM6-P  
 Lobb, D.A. .... SS22, SS26  
 Locat, J. .... SS11  
 Lodge, R.W.D. .... SS1  
 London, D. .... SM3  
 Long, B.L. .... SS25  
 Long, D.G.F. .... SS12  
 Longstaffe, F.J. .... SM2  
 Longva, O. .... SS11  
 Lopez de Luchi, M.G. .... SM3  
 Lorencak, M. .... SS6-P  
 Louden, K.E. .... SM5C  
 Lteif, A. .... SS23  
 Lu, J.Y. .... SS7-P  
 Lucas, S.G. .... SS13  
 Lucotte, M.M. .... SS7  
 Lukasik, J.J. .... SS25  
 Luukas, J. .... GS1D  
 Lux, D.R. .... SM3  
 Lynch, D.H. .... SS23, SS23-P  
 Lyon, S.A. .... SS1  
 Lyons, E. .... SM1A

## M

Ma, C. .... SM3  
 MacBride, L. .... SM2-P  
 MacDonald, F. .... SS19  
 MacDonnell, D.A.G. .... SM1-P  
 MacHattie, T.G. .... SM3, SM4  
 MacInnes, E.A. .... SS5  
 Mack, B. .... GS5  
 MacKay, R.A. .... SS6  
 MacKay, R.M. .... SS8-P  
 MacKillop, K. .... SS11  
 MacLean, N.J. .... GS4  
 MacLeod, J.A. .... SS23, SS23-P, SS22-P  
 MacNaughton, R.B. .... SS18  
 MacRae, A. .... SS4, SS5-P  
 Madani, A. .... SS22-P  
 Mader, M.M. .... SM4  
 Madsen, J. .... GS1C  
 Mahan, K.H. .... SM6, SS6  
 Maki, T. .... GS1D  
 Maksaev, V. .... SS6  
 Malhi, S.S. .... SS23-P  
 Mallory-Greenough, L.M. .... SS2



|                            |                                |
|----------------------------|--------------------------------|
| Malo, M.....               | SM1B, SM5D, SS10-P, GS1A, GS1C |
| Manson, G.K. ....          | SS11                           |
| Marcoux, E. ....           | SM1F                           |
| Mariga, J. ....            | SM1D                           |
| Marshall, D.....           | GS1C                           |
| Martel, E.....             | SS10                           |
| Martignole, J. ....        | SS14                           |
| Martin, M.R.....           | SM5C                           |
| Martin, R.H. ....          | SS23                           |
| Martin, R.F. ....          | SM2                            |
| Martin, T.C.....           | SS24                           |
| Martinez, C.E.....         | SS20-P                         |
| Martiniuk, C.D.....        | GS5-P                          |
| Marvin-DiPasquale, M. .... | SS7                            |
| Maslennikov, V.V.....      | GS1D                           |
| Mason, R.A. ....           | SM2-P                          |
| Massonne, H-J. ....        | SS15                           |
| Matsumoto, R. ....         | SS17                           |
| Mātthai, S. ....           | SM1E                           |
| Mattila, J. ....           | GS1D                           |
| Maxeiner, R.O.....         | SM6                            |
| May, J.T.....              | SS7                            |
| Mayer, B. ....             | SS21                           |
| Mazzocca, A.M. ....        | SS27                           |
| McBean, D. ....            | SM4                            |
| McBride, M.B.....          | SS20-P                         |
| McCaffrey, K.J.W.....      | SS5                            |
| McCammon, C.A.....         | SM2-P                          |
| McCausland, P.J.A. ....    | GS5                            |
| McClelland, W.C. ....      | SS14, SS15, GS2                |
| McClenaghan, S.H.....      | GS1-P                          |
| McConkey, B.G. ....        | SS22, SS24                     |
| McCracken, A.D.....        | GS5-P                          |
| McCready, A.J. ....        | GS1-P, GS3                     |
| McCuaig, S.J.....          | SS9-P                          |
| McCutcheon, S.R.....       | SM1F                           |
| McDermott, P. ....         | SM1C                           |
| McDonald, A.M. ....        | GS3                            |
| McDougal, R.L. ....        | SS22                           |
| McGregor, R.....           | SS10-P                         |
| McHone, J.G. ....          | SS1                            |
| McIntosh, J.J.....         | SS19                           |
| McLaren, S.....            | SM6                            |
| McLean, J.J.....           | SS5                            |
| McLean, N.....             | SM6                            |
| McLeod, M. ....            | SS1                            |
| McMartin, I. ....          | SS10-P                         |
| McNeill, P.D.....          | SS14                           |
| McNicoll, V.J.....         | SM1B, SM6, SS6, SS8, SS15      |
| McQueen, K.G.....          | SS12-P                         |
| McQueen, R.....            | SS26                           |
| Meaux, D.P.....            | SM5-P                          |
| Medioli, F.S. ....         | SS19                           |
| Mei, S.....                | SS3-P, SS10                    |
| Mejia, S.....              | GS3                            |
| Melekestseva, I.Y.....     | GS1B                           |
| Mendoza, C.A.....          | SM5A                           |
| Menuge, J.F.....           | SM1C                           |
| Mergler, D.....            | SS7                            |
| Metivier, K.A.....         | SS22                           |
| Miall, A.D. ....           | SS4, SS12                      |
| Michitsch, R.....          | SS22-P                         |
| Middleton, M.....          | SS15                           |
| Miller, A.A.L. ....        | SS19-P, SS20-P                 |
| Miller, B.V. ....          | SS15, SS15-P                   |
| Miller, R.O.....           | SS23-P                         |
| Milner, M.W.....           | SS7                            |
| Mitchell, R.H. ....        | SM2, GS3                       |
| Mkhabela, M. ....          | SS22-P                         |
| Mohn, W.W.....             | SS22-P, SS27                   |
| Mohriak, W.U.....          | SM5A                           |
| Molnar, J. ....            | SM5C, SM5-P                    |
| Monecke, T. ....           | SM1E, SM1-P                    |
| Monette, B.....            | SS26                           |
| Monger, J.W.H.....         | SS4                            |
| Monreal, C.M.....          | SS23-P                         |
| Morgan, J.....             | SS1                            |
| Morgan VI, G.B.....        | SM3                            |
| Morris, P.A.....           | SS17                           |
| Morris, W.A. ....          | SS10                           |
| Morrow, D.W. ....          | GS5-P                          |
| Mortensen, J.K. ....       | SM6                            |
| Moser, D.E. ....           | SM4                            |
| Mosher, D.C.....           | SS10-P, SS11, SS11-P           |
| Mossman, D.J.....          | SS1, SS18                      |
| Mossop, G.D.....           | SS4                            |
| Moulin, A.P.....           | SS22                           |
| Moulton, B.....            | GS4-P                          |
| Mountjoy, K. ....          | SM2                            |
| Moyen, J-F.....            | SM3                            |
| Mudie, P.J.....            | SS19                           |
| Muecke, G.K. ....          | SS1                            |
| Mueller, W.....            | GS1D, GS4                      |
| Mukhopadhyay, P.K. ....    | SM5D, SS18                     |
| Mulcahy, S.R.....          | SS15                           |
| Mulch, A. ....             | SS6                            |
| Munizaga, F. ....          | SS6                            |
| Murage, E.W.....           | SS21, SS22, SS28               |

Murakami, H. .... GS3  
Murakami, M. .... SS6, SS6-P  
Murkin, H.R. .... SS22  
Murphy, J.B. .... SS4, SS15, SS15-P  
Mustard, P.S. .... SS4, SS8  
Myers, J.S. .... SM4  
Myette, A.J. .... SS27

## N

Nadeau, L. .... SS10, SS10-P  
Nadeau, P.A. .... SM2-P  
Nader, F.H. .... GS5-P  
Naeth, M.A. .... SS28  
Nagasawa, J.M. .... SS23-P  
Naipauer, M. .... SS15  
Nair, R.K. .... SS14  
Naldrett, A.J. .... SM1D, SM2  
Nance, R.D. .... SS15, SS15-P  
Naumann, R. .... SM3  
Nielsen, D. .... SS23  
Nielsen, G.H. .... SS23  
Nelson, J.L. .... SS1  
Nesbitt, H.W. .... GS5-P  
Nesbitt, J.E. .... SS26  
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Nguyen, M.H. .... SS14, GS2  
Nicholls, J. .... GS4-P  
Nielsen, T. .... SM5C  
Nikander, J. .... GS1D  
Nilsen, O. .... SM1F  
Nimegeers, A.N. .... SS3  
Nimis, P. .... GS1D  
Ning, G. .... GS3  
Nitoiu, D. .... SS25  
Nøhr-Hansen, H. .... SM5C  
Nolin, M.M.C. .... SS23-P  
Noronha, C. .... SS28-P  
Northway, S. .... SS22-P  
Nowlan, G.S. .... SS3, SS4  
Nwaishi, F.C. .... SS27  
Nyachoti, M.C. .... SS23-P  
Nyborg, M. .... SS23-P

## O

Oakey, G.N. .... SM5B  
Oberti, R. .... SM2  
O'Brien, B.H. .... GS2-P  
O'Brien, S.J. .... SM1A

O'Connor-Parsons, T. .... GS4  
O'Driscoll, J.M. .... GS1C  
O'Keefe, W. .... SM1C  
Okulitch, A.V. .... SM5-P, GS5-P  
Okuyucu, C. .... SS17-P  
Okwese, A. .... SS8-P  
Olatuyi, O.S. .... SS23  
Olson, B. .... SS23  
O'Neill, A.H. .... SS20-P  
Ootes, L. .... GS4  
O'Prey, M. .... SM1-P  
O'Reilly, B. .... SS11  
O'Reilly, S.Y. .... SM4  
Orgeval, J.-J. .... GS1D  
Orozco-Garza, A.J. .... SS1  
Orpin, A.R. .... SS18-P  
Orr, B. .... SS2  
Ortega-Rivera, A. .... SS15  
Osadetz, K.G. .... SS6, SS6-P  
Ostle, N.J. .... SS21  
O'Sullivan, P.B. .... SS6  
Oti, N.N. .... SS27  
Ottesen, D. .... SS11  
Otto, A. .... SS25, SS28-P  
Outridge, P.M. .... SS7  
Owaina, F.O. .... GS6  
Owen, J.V. .... SS2  
Owen, J.P. .... GS4  
Ozyer, C.A. .... SS9

## P

Padbury, G.A. .... SS26  
Palmer, R.S. .... SS9  
Pan, M. .... GS2  
Pan, Y. .... GS4-P  
Panesar, T.S. .... SS27  
Paradis, S. .... SM1C  
Paradis, S.J. .... SS9  
Parent, G. .... SS24-P  
Park, A.F. .... SM6, SS5  
Parks, J. .... SM4  
Parrott, D.R. .... SS20-P  
Parrott, R. .... SS11  
Parsons, I. .... SM2  
Parsons, M.B. .... SS7, SS20, SS7, SS20, SS20-P  
Parsons, S.M. .... SS10, SS10-P  
Pascual, E. .... SM1-P, GS1-P  
Paterson, S.R. .... SM3  
Patry, S. .... GS4

Patterson, J. .... SS25  
 Patterson, W.P. .... SS25  
 Pattey, E. .... SS22  
 Paulen, R.C. .... SS10, GS5-P  
 Pawlowicz, J.G. .... GS5-P  
 Pazner, M. .... SS9  
 Pearce, T.H. .... GS3  
 Pearson, N.J. .... SM4  
 Pehrsson, S.L. .... SM6  
 Pemberton, S.G. .... SM5A  
 Pennanen, J.O. .... SS4  
 Pennock, D.J. .... SS22 SS23  
 Pe-Piper, G. .... SS5-P, SS8, SS8-P, GS4, GS4-P  
 Percival, J.B. .... SS7  
 Percival, J.A. .... SM4, SM6  
 Pereira, D. .... SM3  
 Perl, A. .... SS25  
 Peron, T.M. .... SS7-P  
 Perry, T.L. .... GS4  
 Peshko, M. .... SS10-P  
 Peter, J.M. .... SM1E, SM1F, SS16  
 Peter, P. .... SS10-P  
 Peters, R.D. .... SS23-P  
 Petersen, S. .... SM1E  
 Peterson, A.H. .... SS1  
 Peterson, R.C. .... SM2-P, SM2P  
 Peterson, R. .... GS5-P  
 Philcox, M. .... SM1C  
 Philippov, N. .... GS1D  
 Philpotts, A.R. .... SS1  
 Phipps, K.J. .... SS22  
 Picard, C. .... GS2-P  
 Pierce, K.L. .... SS10  
 Piercey, S.J. .... SS1  
 Pignotta, G.S. .... SM3  
 Pilchin, A. .... SM4-P  
 Pilchin, M. .... SM4-P  
 Pilger, E. .... SS24  
 Pilkington, M. .... SS10, SS10-P  
 Pinet, N. .... SM5D, SS10-P  
 Pinonnault, N. .... SS7  
 Piper, D.J.W. .... SS5-P, SS8, SS8-P, SS10-P,  
 .... SS11, SS19, SS19-P, GS4  
 Plouffe, A. .... GS5-P  
 Plug, L.P. .... SS19  
 Podstawskyj, N. .... GS1C  
 Poitras, S. .... GS2  
 Pollack, H.N. .... SS25  
 Pollock, J.C. .... SS6

Polónia, J.C. .... GS1B  
 Ponomarev, P. .... SS10-P  
 Posamentier, H.W. .... SM5A  
 Potter, P.E. .... SS12  
 Poujol, M.J.A. .... SM4  
 Powell, S. .... SS2  
 Power, S.E. .... GS2  
 Praeg, D. .... SS11  
 Prescott, C.E. .... SS22-P, SS27  
 Prevost, F. .... SS20  
 Price, G.W. .... SS23  
 Price, R.A. .... SS4  
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 Pronk, T. .... SS9-P  
 Pufahl, P.K. .... SS25  
 Pulham, A.J. .... SM5C  
 Pullan, S. .... SS9  
 Purohit, R. .... GS1D  
 Purves, M.C. .... SM2-P  
 Putlitz, B. .... SS6  
 Pyle, L.J. .... SS3, GS5-P  
 Pysklywec, R.N. .... SM4

## Q

Qi, L. .... SS1  
 Qian, P. .... SS23  
 Quirt, D.H. .... SM4-P, GS1A, GS3  
 Qureshi, A.A. .... SS6-P  
 Qureshi, I.E. .... SS6-P

## R

Raeside, R.P. .... SM2-P  
 Rainbird, R.H. .... SM6, SS12  
 Rainey, W.A. .... SS24  
 Ramezani, J. .... SS15-P  
 Rapp, R.P. .... SM4  
 Rasmussen, J.A. .... SM5C  
 Rasmussen, P.E. .... SS4, SS7  
 Ratschbacher, L. .... SS6  
 Raub, T.M.D. .... SM6, GS5  
 Raub, T.D. .... GS5  
 Raudsepp, M. .... SM2  
 Rayner, N.M. .... SM6  
 Reedyk, S. .... SS23-P  
 Reid, C.R. .... SM2-P  
 Reid, D. .... SS13  
 Reid, K. .... SS23-P

|                        |                    |
|------------------------|--------------------|
| Reiners, P.W.          | SS12               |
| Reisberg, L.           | SM3                |
| Relf, C.               | SS3, SS3-P         |
| Renaud, D.C.           | GS7                |
| Reyes, J.              | SS7-P              |
| Reynolds, D.W.         | SS23-P, GS7        |
| Reynolds, P.H.         | SM6, SS1           |
| Rheault, M.            | SM5D               |
| Richard, R.L.          | SM1-P              |
| Richards, J.P.         | GS1A               |
| Richardson, A.         | SS1-P, SS8         |
| Rickers, K.            | GS3                |
| Riedel, M.             | SS18               |
| Riediger, C.L.         | SS4                |
| Rioux, G.              | SM1A               |
| Ripley, E.M.           | SM1D               |
| Rise, L.               | SS11               |
| Risk, D.               | SS21, SS22-P, SS27 |
| Risk, M.J.             | SS21               |
| Rivard, B.             | SS10               |
| Riveros, C.            | SS3                |
| Rivers, T.             | SM6                |
| Robert, J.-L.          | SM2                |
| Roberts, C.            | SS23-P             |
| Robson, S.             | GS5-P              |
| Rochon, A.             | SS19, SS25         |
| Rochon, M.             | SS1                |
| Rodriguez Alonso, M.D. | SM3                |
| Roeske, S.M.           | SS15               |
| Rogers, N.             | SS15               |
| Rogge, D.M.            | SS10               |
| Roggensack, K.         | SS1                |
| Rojas, C.              | SS6                |
| Romer, R.              | SS15               |
| Romo, J.T.             | SS22               |
| Rose, D.               | SS7-P              |
| Roselli, C.            | SS5                |
| Ross, A.               | GS1A, GS1A         |
| Ross, M.               | SS9                |
| Ross, S.W.             | SS21               |
| Rostad, H.W.P.         | SS26               |
| Rou  , A.              | SS7                |
| Rowins, S.M.           | GS1A               |
| Roy, P.                | SS24-P             |
| Roy, S.                | SM5D               |
| Rushmer, T.            | SS14               |
| Rygel, M.C.            | SS13               |
| Rytuba, J.J.           | SS7                |
| Rziki, S.              | SM1F               |

## S

|                    |                               |
|--------------------|-------------------------------|
| Saiki, M.K.        | SS7                           |
| Sailhac, P.        | SS10-P                        |
| Salad Hersi, O.    | SS4                           |
| Salisbury, M.M.H.  | GS2                           |
| Samson, H.R.       | SM3                           |
| Samson, I.M.       | SS1                           |
| Sanborn-Barrie, M. | SM6                           |
| Sandeman, H.A.     | SM6, SS1, GS2                 |
| Sanderson, J.B.    | SS23-P                        |
| Sanei, H.          | SS7-P                         |
| Sanfacon, R.       | SS11                          |
| Sangster, A.L.     | SS7                           |
| Sasseville, C.     | SS6                           |
| Saumur, B.M.       | GS4-P                         |
| Sawyer, E.W.       | SM3                           |
| Schafer, C.T.      | SS19                          |
| Schenk, P.E.       | SS17                          |
| Schmidberger, S.S. | SM2-P                         |
| Schoenau, J.J.     | SS23, SS23-P                  |
| Schreiner, D.R.    | SS3, SS3-P                    |
| Schroeder, W.H.    | SS7                           |
| Schultz, M.E.J.    | SM6                           |
| Schulze, D.J.      | SM4, SM4                      |
| Schwerdtner, W.M.  | GS2                           |
| Scott, D.B.        | GS5-P, GS5-P                  |
| Scott, S.D.        | SM1E, SS1-P, SS16, SS17, SS18 |
| Seaman, S.J.       | SM3                           |
| Searle, M.         | SM6                           |
| Seely, B.A.        | SS22-P                        |
| Selby, D.          | SS16                          |
| Sellmi, R.M.       | GS6                           |
| Semple, L.         | SS1                           |
| Serafini, G.       | GS2                           |
| Seravkin, I.B.     | GS1D                          |
| Serran, S.M.       | SS23                          |
| Sey, B.K.          | SS22                          |
| Shaffer, M.        | SM1D                          |
| Shang, J.          | SS10-P                        |
| Shannon, P.M.      | SS11                          |
| Shaw, J.           | SS11                          |
| Shaw (Jr.), W.G.   | SM5D                          |
| She, Z.            | SM3                           |
| Shearer, J.M.      | SS19                          |
| Shellnutt, J.G.    | SS1                           |
| Shepherd, T.       | SM1-P                         |
| Sheppard, F.       | SS3                           |
| Sheppard, M.I.     | SS26                          |
| Sheppard, S.       | SM2-P                         |

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|---------------------------|--------------------|-----------------------|-----------------|
| Sheppard, S.C. ....       | SS26               | Solomon, S.M. ....    | SS11            |
| Sher, Z.B. ....           | SS8                | Solovjeva, L.V. ....  | SM4             |
| Sherlock, S.C. ....       | SS8                | Song, X. ....         | SS7-P           |
| Sherriff, B.L. ....       | SS20-P             | Song, Z. ....         | SS20-P          |
| Shewfelt, D.A. ....       | SM2-P              | Sonnichsen, G.V. .... | SS19-P          |
| Shi, R.R. ....            | GS6                | Sørensen, A.B. ....   | SM5C            |
| Shimeld, J.W. ....        | SM5C, SS4, SS11    | Sparkes, G.W. ....    | SM1A            |
| Shimizu, N. ....          | SM4                | Spence, J.D. ....     | SS7, SS7-P      |
| Shipley, B.C. ....        | SS13               | Spicuzza, M.J. ....   | SM4             |
| Shipp, R.C. ....          | SS11               | Spiers, G.A. ....     | SS7-P, SS20     |
| Short, H.A. ....          | SS5-P              | Srivastava, D.S. .... | SS27            |
| Shunthirasingham, C. .... | SS25               | St. Peter, C. ....    | SS5             |
| Shymko, J.L. ....         | SS28, SS28-P       | Stachel, T. ....      | SM4, SM4-P      |
| Si, B.C. ....             | SS22, GS7          | Staez, K. ....        | SS10-P          |
| Siegesmund, S. ....       | SM3                | Staiger, J.W. ....    | SS19            |
| Sikorsky, R.I. ....       | SS10               | Stanley, C.R. ....    | SM3, GS4        |
| Simakov, S.K. ....        | SM4                | Stanley, G. ....      | SM1-P           |
| Simard, M. ....           | GS1A, GS1A         | Stanton, R.L. ....    | SM1E            |
| Simard, R.L. ....         | SS1                | Stasiuk, L.D. ....    | SM5B, SS6, SS16 |
| Simon, K.M. ....          | SM5C               | Stea, R.R. ....       | SS9, SS19, GS2  |
| Simonetti, A. ....        | SM2-P, SM3, SM4    | Stead, J.E. ....      | SM5C            |
| Simony, P.S. ....         | SS14               | Steckler, M.K. ....   | SS23-P          |
| Simpkin, P. ....          | GS6                | Steenken, A. ....     | SM3             |
| Simpson, K.W. ....        | SS11-P             | Steffen, A. ....      | SS7             |
| Simpson, M.J. ....        | SS25, SS28, SS28-P | Stern, G.A. ....      | SS7             |
| Sinclair, I.K. ....       | SS5                | Stevens, R.J. ....    | SS22-P          |
| Sinha, R. ....            | SS8-P, SS12        | Stevens, R.K. ....    | SS3             |
| Siregar, R.P. ....        | SS20-P             | Stewart, A.R. ....    | SS7             |
| Sitepu, H. ....           | SM4-P GS3          | Stewart, A. ....      | SS23-P          |
| Skaarup, N. ....          | SM5C               | Stewart, D. ....      | SM1C            |
| Skulski, T. ....          | SM4, SM6           | Stewart, J.M. ....    | SS11-P          |
| Slack, J.F. ....          | SM1F               | Stewart, K. ....      | SS28-P          |
| Slagstad, T. ....         | SS14               | Stimson, M. ....      | SS13            |
| Slaski, J. ....           | SS23               | St-Laurent, C. ....   | SM5-P           |
| Slingsby, A. ....         | SS6                | Stockli, D.F. ....    | SS6             |
| Smith, C.B. ....          | SM4                | Stockmal, G.S. ....   | SS6, GS2        |
| Smith, D.G. ....          | SS12               | St-Onge, G. ....      | SS11, SS25      |
| Smith, I.R. ....          | GS5-P              | St-Onge, M.R. ....    | SM6, SM6        |
| Smith, M.P. ....          | GS1A               | Storey, C. ....       | SS15, SS15      |
| Smith, P.K. ....          | SM1B, SS7, GS3     | Storey, C.D. ....     | GS1A            |
| Smith, S.C. ....          | SS26               | Stott, A.W. ....      | SS21            |
| Smith, S.R. ....          | SS6                | Stott, G.M. ....      | SM6             |
| Smith, W.N. ....          | SS26               | Stouge, S. ....       | SM5C SS15-P GS5 |
| Smithson, D.M. ....       | GS1A               | Stout, M. ....        | GS4-P           |
| Snyder, D.B. ....         | SM4                | Strachan, R. ....     | SS8, GS2        |
| Sobel, E.R. ....          | SS6-P              | Strecker, M.R. ....   | SS6-P           |
| Sokolova, E. ....         | GS3, SM2-P         | Strowbridge, S. ....  | SS14            |
| Solberg, E. ....          | SS23-P             | Stuart, F.M. ....     | GS4             |
| Solgadi, F. ....          | SM3                | Stumborg, C. ....     | SS23            |

Sturz, A.V. .... SS23-P  
 Sulak, K.J. .... SS21  
 Sundblad, K. .... SM1F, GS1D  
 Sylvester, P.J. .... SM1D, SM4  
 Syms, L. .... SS3

## T

Tagami, T. .... SS6, SS6-P  
 Tait, J.C. .... SS26  
 Tait, K.T. .... SM2-P  
 Tan, C.S. .... SS23-P GS7  
 Tandon, S.K. .... SS12  
 Tari, A. .... SM5-P  
 Tari, G.C. .... SM5C, SM5-P  
 Tarplee, M. .... GS5-P  
 Tavakoli, V. .... GS5-P  
 Taylor, H.E. .... SS7  
 Tella, S. .... SM6  
 Telmer, K. .... SS7, SS7-P  
 Temperley, S. .... SS15-P  
 Tessalina, S.G. .... SM1E  
 Tetreault, D. .... GS6-P  
 Tettelaar, T.A. .... SS14  
 Thangaraj, B. .... SS22-P  
 Thériault, G. .... SS22-P, SS26  
 Thériault, R.D. .... SM5D, SM5D  
 Thomas, F.C. .... GS5-P  
 Thomas, M. .... SS10  
 Thompson, D. .... SS26  
 Thompson, D.P. .... GS5-P  
 Thompson, M.D. .... SS15-P  
 Thompson, P. .... SM5C, SM5C  
 Thorkelson, D.J. .... SM6, GS1C  
 Thorleifson, H. .... SS4  
 Thorne, K.G. .... SM1B  
 Tibert, N.E. .... SS13  
 Tichoux, H. .... SS24-P  
 Tobey, N.W. .... SM2-P  
 Todd, B.J. .... SS10-P  
 Tollefson, L.C. .... SS26  
 Tordon, R. .... SS7  
 Tornos, F. .... SM1E, SM1-P  
 Torrie, S.J. .... SS23  
 Torvinen, A. .... GS1D  
 Townley-Smith, L. .... SS23-P, SS26  
 Tremblay, A. .... SS6, GS1-P  
 Treonis, A.M. .... SS21  
 Trépanier, S. .... GS1D

Tuach, J. .... SM1F  
 Tubrett, M.N. .... SM1D  
 Tucker, R.D. .... GS2  
 Turner, M.C.D. .... SS3  
 Turner, R.J.W. .... SS3, SS4  
 Tyrrell, S. .... SM1C  
 Tzeng, P. .... GS5-P

## U

Ullah, K. .... SS6-P  
 Ullrich, T. .... GS1A  
 Unamba, O.H. .... SS27  
 Unruh, D.M. .... SS15  
 Upton, P. .... SS14-P  
 Usher, S.J. .... SS9  
 Utting, D.J. .... SS10-P  
 Utting, J. .... SS13-P, SS17, SS17  
 Uvarova, Y. .... SM2-P

## V

Vaive, J.E. .... SS20  
 Valenzuela, A. .... SM1-P  
 Valley, J.W. .... SM4  
 Valverde-Vaquero, P. .... SS15  
 van Bochove, E. .... SS22-P, SS26  
 van Breemen, O. .... SM1-P, SM6  
 Van der Flier-Keller, E. .... SS3  
 van der Velden, A.J. .... SS4  
 Van Rees, K.C.J. .... SS23-P  
 van Staal, C.R. .... SS4, SS6, SS15  
 van Straaten, P. .... SS23-P  
 Van Wagoner, N.A. .... SS1, SS3  
 VandenBygaart, B.J. .... SS22  
 Vander Auwera, J. .... SS1-P  
 Vanderhaeghe, O. .... SM3  
 Velasco, F. .... SM1E  
 Vergé, X. .... SS26  
 Verhoef, J. .... SS4  
 Vernon, R.H. .... SM3  
 Vetter, S. .... SM1-P  
 Vevel, Y.A. .... SS17  
 Viljoen, D.W. .... SS10  
 Viljoen, K.S. .... SM4, SM4, SM4  
 Villeneuve, M.E. .... SM6, SS1, SS6  
 Vincent, H.L. .... SS12  
 von Bitter, P.H. .... SS17, GS3  
 Voroney, R.P. .... SS21, SS22, SS23, SS23-P, SS28  
 Vujovich, G.I. .... SS15

## W

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Wach, G.D.        | SM5A, SM5-P, SS11, SS11-P,<br>SS8-P, GS5-P, GS5P, SS12 |
| Wagner, R.H.      | SS13-P                                                 |
| Wagner, T.        | SM1-P                                                  |
| Wagner-Riddle, C. | SS22-P, SS23-P                                         |
| Waldron, J.W.F.   | SS5, SS6, SS11, SS13, SS18                             |
| Walker, B.D.      | GS7                                                    |
| Walker, E.C.      | SM4, SM4-P                                             |
| Walker, J.A.      | SM1-P                                                  |
| Walker, N.        | SM1C                                                   |
| Wallace, K.D.     | SS11                                                   |
| Wallbridge Staff  | GS1B                                                   |
| Walley, F.L.      | SS23                                                   |
| Walsh, G.         | SS15                                                   |
| Walsh, J.         | SM1C, SM1C                                             |
| Walshaw, R.D.     | SM1C                                                   |
| Wander, M.M.      | SS22                                                   |
| Wang, Z.H.        | SS23-P, SS23-P, SS23-P                                 |
| Wang, C.          | SS14-P                                                 |
| Wang, Q.          | GS2                                                    |
| Wang, R.          | SS22                                                   |
| Wang, Z.          | SS14                                                   |
| Ward, B.C.        | GS5-P                                                  |
| Wardle, R.J.      | SM6, SM6-P                                             |
| Warman, P.R.      | SS23, SS23-P                                           |
| Warner, J.        | SS23-P                                                 |
| Washburn, M.      | SS14-P                                                 |
| Watkinson, D.H.   | GS1B                                                   |
| Weaver, A.J.      | SS4                                                    |
| Webb, A.M.        | GS3                                                    |
| Webster, T.L.     | SS1, SS10, SS24                                        |
| Weetman, G.F.     | SS22-P                                                 |
| Weins, T.         | SS26                                                   |
| Weir-Murphy, S.   | SS5-P                                                  |
| Weissbrod, T.     | SS6                                                    |
| Welacky, T.       | GS7                                                    |
| Wemmer, K.        | SM3                                                    |
| Westgate, J.A.    | SS12                                                   |
| Whalen, J.K.      | SS22, SS23, SS23-P, SS23, SS23                         |
| Whalen, J.B.      | SM4, SM6                                               |
| Wheeler, R.       | SM1D                                                   |
| Whitbread, M.A.   | SM3                                                    |
| White, C.E.       | SS10-P, SS18                                           |
| White, J.M.       | GS5-P                                                  |
| White, J.C.       | SM5D, SS5                                              |
| White, R.O.       | GS6                                                    |
| Whittaker, S.     | SS22-P                                                 |
| Whitty, S.        | SM1C                                                   |

|                      |                                  |
|----------------------|----------------------------------|
| Wickert, L.M.        | SS10                             |
| Wicks, F.J.          | SM2                              |
| Wiebe, B.H.          | SS26                             |
| Wielens, H.J.B.W.    | SM5B, SM5-P, SS4                 |
| Wilkinson, J.        | SM1B, SM1-P                      |
| Williams, B.         | SS21                             |
| Williams, E.T.       | SS3                              |
| Williams, G.L.       | SM5B, SS4, SS4                   |
| Williams, M.L.       | SM6, SS6, SM6, SS6               |
| Williams, P.F.       | SS14                             |
| Williams-Jones, A.E. | SS1                              |
| Williams-Jones, G.   | SM2-P, SS24                      |
| Williamson, M.C.     | SS1, SS6                         |
| Wilson, L.A.         | SS2                              |
| Wilson, M.L.         | GS7-P                            |
| Wilson, N.S.F.       | SS16, SS16, GS5-P                |
| Wilson, P.           | SM5D, SS5                        |
| Wilton, D.H.C.       | SM1D, SM1F, SS6, GS1C, GS1B, GS4 |
| Winch, S.            | SS7                              |
| Wing, B.A.           | SM1F                             |
| Wingate, M.T.D.      | GS5                              |
| Winter, L.S.         | SM1F                             |
| Wintsch, R.P.        | SS15                             |
| Wodicka, N.          | SM6, SS6                         |
| Wong, M.H.           | SS7                              |
| Wong, C.S.C.         | SS7                              |
| Wood, S.P.           | SS25                             |
| Wopenka, B.          | GS2                              |
| Worth, D.E.          | SS26                             |
| Wright, R.           | SS24                             |
| Wu, J.               | GS3                              |
| Wu, Y.               | SM5C                             |
| Wynne, P.J.          | SS3                              |

## X

|         |           |
|---------|-----------|
| Xia, B. | SS14, GS2 |
| Xu, Q.  | SM1E      |
| Xu, Z.  | GS2       |

## Y

|               |        |
|---------------|--------|
| Yakovenko, A. | GS2    |
| Yamada, K.    | SS6-P  |
| Yanev, S.S.   | SS17-P |
| Yanez, G.     | SS6    |
| Yang, G.      | SS19   |

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|-----------------|-----------------|
| Yang, J.Y.      | SS26            |
| Yang, K.        | SM1E            |
| Yang, X.M.      | SS22, SS26, GS7 |
| Yardley, B.W.D. | GS1C            |
| Yates, M.       | GS4             |
| Yates, T.T.     | SS22            |
| Yeo, G.M.       | SM6             |
| Yeomans, T.     | GS6             |
| Young, G.A.     | SS3, GS5-P      |
| Young, G.M.     | GS5-P           |
| Young, J.L.     | SM5C            |
| Young, M.D.     | GS2             |
| Younger, C.     | GS5-P           |
| Yudovskaya, M.  | SM1E            |
| Yusuf, Y.       | SS20-P          |

## Z

|                        |                                             |
|------------------------|---------------------------------------------|
| Zagorevski, A.         | SS15                                        |
| Zak, J.                | SM3                                         |
| Zalasiewicz, J.        | SS15, SS15-P                                |
| Zanon, V.              | GS4                                         |
| Zarate-del Valle, P.F. | GS1-P                                       |
| Zaykov, V.V.           | GS1B, GS1D                                  |
| Zebarth, B.J.          | SS22-P, SS23                                |
| Zentilli, M.           | SS6, SS6-P, SS16, SS1, SM5-P, SS6, SS6, SS6 |
| Zhang, J.              | SS10                                        |
| Zhang, M.              | SS23                                        |
| Zhang, T.Q.            | SS23-P, GS7                                 |
| Zhang, Z.              | SS23-P                                      |
| Zhao, L.               | SS25-P                                      |
| Zheng, Z.              | SS23-P                                      |
| Zhou, M-F.             | SS1                                         |
| Zhuravlev, A.V.        | SS17                                        |
| Ziadi, N.              | SS23-P                                      |
| Zwanzig, H.V.          | SM6, SS10                                   |