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SOCIETY OF ECONOMIC GEOLOGISTS, INC.

7811 Shaffer Parkway • Littleton, CO 80127-3732 USA • Tel: +1.720.981.7882 • Fax: +1.720.981.7874 • E-mail: seg@segweb.org

# Student Chapter Annual Report Cover Page

**Submission Deadline: September 30th** **Submit to: studentprograms@segweb.org**

Month/Year Reported: From 09-2021 (mm/yyyy) – To 09-2022 (mm/yyyy)

STUDENT CHAPTER: Check if update needed at segweb.org

Name: Saint Mary's University SEG Student Chapter ☐

University Affiliation: Saint Mary's University ☐

Mailing Address: SEG-SMU Student Chapter, Department of Geology, Saint Mary's University, 923 Robie Street, Halifax, NS, B3H 3C3 ☐

Dedicated E-mail: smu.segsc@gmail.com ☐

Website: ☐

Logo: ☐

Facebook: SEG-SMU Student Chapter ☐

Twitter: smugeology ☐

Instagram: smugeology ☐

LinkedIn: ☐

YouTube: ☐

Chapter Executive Committee *(in office during the time frame captured on this report) (type "Vacant" if position not filled)*: The new committee is reported on the Student Chapter Membership Information form (SCMIF).

| | Name | E-mail |
|---|---|---|
| President: | Priyal Daya | Priyal.daya@smu.ca |
| VicePresident: | Andree Roy-Garand/Gabriel Gomez-Garcia | Gabriel.gomez.garcia@smu.ca |
| Secretary: | Anna Terekhova | Anna.terekhova@smu.ca |
| Treasurer: | Naomi Welt | Naomi.welt@smu.ca |

Chapter Academic Sponsor: ☐ *Check if SEG Fellowship in good standing*

Name: Jacob Hanley E-mail: jacob.hanley@smu.ca Phone: (902) 491-6334

Address: Ore fluids laboratory, Department of Geology, Saint Mary's University, 923 Robie Street, Halifax, NS, B3H 3C3 Fax:

Chapter Industry Sponsor (*not affiliated with the student chapter's institution*): ☐ *Check if SEG Fellowship in good standing*

Name: Fred Bonner E-mail: fred@eduterra.ca Phone: 902-233-4261

Address: Fax:

Sponsoring Institution or Company(name): potential for 2023 Mercator Geological Services (M Power)

VS082020

# Saint Mary's University SEG Student Chapter
# Annual Report 2021-2022

**Activities report during September 2021-September 2022**

**Student Chapter Name:** Saint Mary's University SEG Student Chapter
**Mailing Address:** SMU-SEG Student Chapter
Department of Geology, Saint Mary's University
923 Robie Street
Halifax, NS, Canada
B3H 3C3

**Student Chapter Executive Committee**
President: Priyal Daya
Vice President: Andree Roy-Garand / Gabriel Gomez-Garcia
Treasurer: Naomi Welt
Secretary: Anna Terekhova
Industry Liaison: Adam Nissen

**Student Chapter Academic Sponsor**
Dr. Jacob Hanley
Department of Geology
Saint Mary's University
923 Robie Street
Halifax, NS, Canada
B3H 3C3
(p): 902-491-6334
(e): jacob.hanley@smu.ca

**Student Chapter Industry Sponsor**
Fred Bonner
EduTerra Consulting
(p) 902-233-4261
(e) fred@eduterra

**Advisor**
Michael Power
Mercator Geological Services
Nova Scotia, Canada
(p): 9024631440
(e): mikep@mercatorgeo.com

**List of Student Members for 2021-2022**

Andrée Roy-Garand
Jacob Fleck
John Dooma
Logan Cormier
Olivia King
Josh Jackman
Aidan Buyers
Gabriel Gomez-Garcia
Nikita Lakhanpal
Ryan Parsons
Priyal Daya
Anna Terekhova
Adam Nissen
Jenna Campbell
Dylan McKeen
Timo Sanders
Elish Redshaw
Max Kessler
Delaney Carter
Kenneth Kananura
Elizabeth Ruppert
Leila Rashid

**General Member Meetings:**

**1) September 2021** – *Election and appointment of executive committee for 2022-2023*
A general meeting was called to elect a new executive committee for the 2022-2023 year; to discuss the benefits of joining the SEG; sign new memberships and renew existing memberships; and to discuss upcoming events. This meeting was open to all geology students, both undergraduate and graduate. The following committee was elected:

President: Priyal Daya
Vice President: Gabriel Gomez-Garcia
Treasurer: Naomi Welt
Secretary: Anna Terekhova
Industry Liaison: Adam Nissen

**Lectures/Presentations**:
**October 6 2021**—Dr. Mostafa Fayek (University of Manitoba) presented a seminar talk entitled "Uranium Deposits as Proxies for Global tectonic Events"

**October 7 2021**—Dr. Ryan Sharpe (University of Manitoba) presented a seminar talk entitled "Secondary Ion Mass Spectrometry (SIMS): A Versatile Technique for the Study of Geologic Materials"

**October 15, 2021** – Dr. Paul LaFleche (APGNS student committee member) presented to undergraduate students on steps to obtain their Professional Geoscience Accreditation in Nova Scotia.

**October 19, 2021 –**Dr. Jana Kotkova (Czech Geological Survey and Masaryk University) presented a seminar talk entitled "Are metamorphic microdiamonds from Bohemia forever?"

**Fall 2021** – Teck Resources – Campus Coffee Talks

**October 21-December 9, 2021**—GPS (Geology Potable Seminars) Bi-weekly student presentations on previous and current research as well as field work and experience as a geoscientist. This lecture series is very accessible to geology students of all levels and is intended to educate students on the different fields and aspects of geology.

**Conferences/Workshops Attended:**
**September 13-17 2021** – *SEG 100 Conference*. Graduate student Naomi Welt presented her MSc research on Characterization of polymetallic vein-type occurrences in the Meguma Terrane: a new gold deposit type for Nova Scotia?

**October 5-6 2021** – SEG Short Course outlining the Science of Mineral Exploration focusing on mineral resources in modern society, the processes by which mineral deposits are formed and resource exploration and evaluation methods. Attended by graduate student, Kerstin Landry.

**October 24-31, 2021** – *Virtual Short Course on the Geochemistry of Hydrothermal Ore Deposits, University of Ottawa.* Graduate students Adam Nissen, Gabriel Gomez-Garcia and Andree Roy-Garand will be attending the virtual short course to gain knowledge systems that are suspected to be involved in their research.

**November 2021** –*Atlantic Universities Geoscience Conference (AUGC)*. Hosted by SMU, numerous undergraduate students who study economic geology focused fields presented their research at the conference and lead a field trip to the Windsor mine**?? Presenters and award winners from SMU

**November 2021—***Yellowknife Geoscience Forum (YGF)*. Graduate students Kerstin Landry, Andree Roy-Garand, Anna Terekhova and Gabriel Gomez-Garcia presented their M.Sc. research on a variety of economic geology focused projects around the Northwest Territories.

**March 2022** – *Prospectors and Developers Association of Canada (PDAC) annual convention.* Several undergraduate and graduate students attended the virtual convention.

**Field Trips:**

**October 16, 2021**—Blomidon Provincial Park and Noggins Corn Maze. Graduate and Undergraduate students from the Geology Department visited Blomidon Provincial Park, lead by Dr. Jacob Hanley and Dr. Andrew McRae.

**Community-Building and Fundraising Events:**

September 10, 2021–Ice Breaker Event at the Gorsebrook Pub for SMU Geology students to introduce them to the SEG-SMU Student Chapter and meet fellow peers.

**Future Plans**

Field Trips

- Joggins fossil centre
- Fundy Geological Museum
- Cape Breton Highlands: Avalonian rocks and associated VMS and porphyry mineralization
- Arisaig: flow-banded rhyolites and fossiliferous siliciclastic rocks
- Antigonish Highlands: Epithermal gold mineralization
- NS Gem and Mineral Show

Lectures

- Michael Power (Mercator Geological Services): APGNS registration
- Dave White (Aurora Geosciences): Getting into exploration geology
- Clarence Picket (Vale, Sudbury operations): Career talk/exploration-mining cycle
- Dr. Steve Piercey (Memorial University): Exploration for VMS deposits
- Ian Bliss (Northern Shield Resources): Update on the Shot Rock Au project, NS
- Dr. Patrick Mericer-Langevin (Geological Survey of Canada): Formation of Au-rich VMS deposits
- Dr. David Lowe (St. Barbara Gold): Geology of Meguma gold deposits

Fundraisers

- Geology Rocks the Gorsebrook Pub Night
- Rock sample raffle tickets

**Acknowledgements**

We also thank the following entities for their donations for various events:

- *Society of Economic Geology,* for monetary support for field trips
- *Prospectors and Developers Association of Canada,* for monetary support for field trips
- *Mineralogical Association of Canada,* for monetary support for field trips
- *Saint Mary's University Department of Geology,* for providing snacks, beverages and pizza for several of our guest lectures and for monetary support for field trips