



# **Saskatchewan Geological Society**

**2022**

## **ANNUAL REPORT**

**Submitted at the Annual General Meeting**

**February 4, 2023**

# Saskatchewan Geological Society

## 2022 Annual Report

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## 1 President's Report – Brian Brunskill

Last year I proclaimed that the 2021 AGM will be our last *virtual* AGM...a lucky guess, and I also predicted sharing a beer at this AGM with friends and colleagues...a one hundred percent accurate prediction! Although our social activities were muted for the past three years while I was *El Presidente*, our executive managed to keep operations moving along. We adapted quickly to virtual speaker talks which eventually morphed into hybrid virtual/in-person talks thanks to some web-savvy members.

Hats off to **Sam Van De Kerckhove** as our Vice President (and previous Secretary), seller of swag and general preventer-of-stuff-falling-between-the-cracks person and to **Dillon Johnstone** for his meticulous Treasury management. You both made everything you took on proceed smoothly - for your contributions to the operation of our Society we are truly grateful.

Other dedicated volunteers who helped to make operations run smoothly include **Brendan Bishop** and **Dave Thomas** who diligently managed the society Speaker Series with several stimulating presenters, **Jason Cosford** who recorded meeting minutes as Secretary, and **Nadene Joy** as Business Manager who jumped right in to organize our first golf tournament in several years as well as this in-person AGM and social. And our sage Past President **Mike Thomas**, who was just his usual helpful self (unless it involved using a computer).

Members of various committees have been active throughout the year as well. The **Geoscience Calendar Committee**, as usual, put together another amazingly beautiful calendar and the **GeoExplore Saskatchewan Committee** continued to advance the website. The **Education and Outreach Committee** continued developing web-based educational resources for educators and any interested public and many of us enjoyed a spectacular **Field Trip** to Flin Flon (my first time in that part of the province) with John Lake. Please look through their reports for details.

In 2022, the **Willison Basin Symposium** and Geological Survey/SGS **Open House** were once again held in person with both events being well attended.

I've really enjoyed being the President for the past three years and look forward to taking on Mike's old job as **Past President**.

Respectfully submitted by Brian Brunskill – President.

## 2 Vice President's Report – Samantha Van De Kerckhove

Membership for the Saskatchewan Geological Society dipped this year, with a total active membership of 89, the lowest it's been in at least 10 years. Part of the reason for this change is likely due to technical problems with our website registration page at the beginning of the year. Our website provider was eventually able to fix the problem but it is likely that some registrations were missed. While the error was occurring, members who registered through the website would receive a receipt of registration from the website but were never actually charged for the transaction, and thus, not entered into our system. We hope this was a one-time only issue and we will see a rebound in membership in 2023.

Our emailing list contains both active members and those with lapsed memberships, so while active membership was down to 89 people, 327 people remain on the mailing list. Please see the summary below.

|                                | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------------------|------|------|------|------|------|
| Active - Lifetime - Emeritus   | 88   | 109  | 106  | 104  | 79   |
| Corporate                      | 17   | 22   | 20   | 3    | 5    |
| Student                        | 54   | 72   | 62   | 42   | 5    |
| Amateur - Associate - Honorary | 0    | 7    | 9    | 3    | 0    |
| total:                         | 159  | 210  | 197  | 152  | 89   |

Calendar sponsors and corporate members include APEGS, Caprice Resources Ltd., Dave Thomas, Deep Earth Energy Production, Denison Mines, Fleet Energy, Hy-Tech Drilling, IsoEnergy Ltd., J.D. Mollard and Associates, Master Diamond Cutters Ltd.; Osprey Wings Ltd., North American Helium, Petroleum Technology Research Centre, PrintWest, RESPEC, Rio Tinto, SSR Mining Seabee, Summit ESP, Robertson Trading Company, and Saskatchewan Research Council.

Respectfully submitted by Samantha Van De Kerckhove – Vice President.

### 3 Secretary’s Report – Jason Cosford

Overall, 2022 saw the return of many in-person activities for the SGS, including executive meetings, social events like the golf tournament, and the luncheon talks. Postmaster tasks involved responding to inquiries about publications, clothing, and various aspects of membership – all of which were handled with diligence by members of our executive. Throughout the year, the SGS website was updated as needed with new documents concerning public outreach, executive meeting notes, and relevant news for our membership.

### 4 Business Manager’s Report – Nadene Joy

What a busy and productive past year it has been! After a two-year pandemic hiatus, it is great to get back to “normal” this year with the **2022 AGM and Awards Dinner** being held in person on Saturday February 4th, 2021 at the Regina German Club.

With the continued trend and the much-anticipated excitement of in-person events, our **2022 Annual Saskatchewan Geological Society Golf Tournament** was back in full swing at The Green Acres Golf Course in Balgonie, SK and was held on September 10<sup>th</sup>, 2022. The Annual BBQ followed the tournament graciously hosted by Monica Cliveti in Balgonie. The unprecedented amount of support we received from the community was also appreciated as we brought in Corporate, Trophy and Hole Sponsors for this year’s event. We would like to thank our 2022 sponsors for their generous contribution to this year’s event: Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), Gem Oil, Fleet Energy, HYTEC Drilling Ltd., Osprey Wings, Petroleum Technology Research Centre Inc. (PTRC), Prairie Lithium, Saskatchewan Mining Association Inc., Saskatchewan Research Council (SRC), Summit ESP: A Halliburton Service and The University of Regina.

Our much-awaited **Luncheon Series talks** also resumed with much success in person in 2022 and we continue booking Bushwackers and The Lazy Owl at The University of Regina as the preferred venues for the talks. A few **Seminar Lecture Series talks** were given throughout the year and were organized in partnership with the University of Regina, and took place at the U of R.

As for SGS Merchandise and purchases made online, throughout the year we continued to receive many requests for clothing apparel, Geological Highway Maps, Publications, and opportunities for geoscience outreach within our community.

I would like to take a moment to thank all members of the SGS Executive and our geoscience community at large for their unconditional support during this past year and for giving me the opportunity to experience and learn many new things. It has truly been a privilege to work with you all.

Respectfully submitted by Nadene Joy - Business Manager.

## 5 Treasurer's Report – Dillon Johnstone

This is an unaudited financial report for the Saskatchewan Geological Society's (Society) 2022 fiscal year, which began on January 1<sup>st</sup>, 2022 and ended on December 31<sup>st</sup>, 2022. The *2022 Balance Sheet*, *2022 Profit and Loss Statement* and *2023 Budget* are presented at the end of this report. What follows are the highlights of the Society's financial activity during the 2022 fiscal year.

### Summary of Income and Expenses

The table below summarizes the net income/expense of our annual operations.

| <b>Operations</b>            | <b>Income</b>      | <b>Expense</b>     | <b>Net</b>         |
|------------------------------|--------------------|--------------------|--------------------|
| AGM awards                   | -                  | \$850.00           | <b>\$850.00</b>    |
| APEGS grant                  | \$3,900.00         | -                  | <b>\$3,900.00</b>  |
| Curling bonspiel             | -                  | -                  | -                  |
| Field trip                   | \$8,400.00         | \$10,347.08        | <b>\$1,947.08</b>  |
| General Operations           | -                  | \$4,402.04         | <b>\$4,402.04</b>  |
| GeoExplore website           | -                  | \$318.00           | <b>\$318.00</b>    |
| Golf tournament/BBQ          | \$2,329.26         | \$2,239.15         | <b>\$90.11</b>     |
| Luncheon talks               | *\$891.00          | \$2,071.67         | <b>\$1,180.67</b>  |
| Membership                   | \$2,835.00         | -                  | <b>\$2,835.00</b>  |
| Outreach/education           | -                  | -                  | -                  |
| Open House (society related) | \$4,113.76         | \$3,020.92         | <b>\$1,092.84</b>  |
| Promotional material         | \$1,032.87         | -                  | <b>\$1,032.87</b>  |
| Publications                 | \$3,129.00         | \$23.99            | <b>\$3,105.01</b>  |
| Refunds                      | -                  | \$1,260.00         | <b>\$1,260.00</b>  |
| Sask. Geoscience Calendar    | *\$7,501.88        | \$4,929.98         | <b>\$2,571.90</b>  |
| Dr. Don Kent Core Workshop   | \$16,100.00        | \$3,052.71         | <b>\$13,047.29</b> |
| <b>Grand Total</b>           | <b>\$50,232.77</b> | <b>\$32,515.54</b> | <b>\$17,717.23</b> |

\*Some income outstanding.

In 2022, the Society ran an overall net surplus of \$17,717.23, with expenditures \$298.24 more than budgeted and income \$6,482.77 more than budgeted. The surplus is largely due to higher than expected calendar sales income, some of which was outstanding from 2021 calendar sales, promotional clothing sales and the APEGS \$1,100.00 sponsorship to the Dr. Don Kent Core Workshop printing fees. As of Dec 31<sup>st</sup>, 2022, the Society holds a balance of \$57,898.21 in our general operations account.

In 2022, major income (net) contributing to the Society's annual operation balance included:

- 1) the bi-annual Williston Basin Petroleum Conference (WBPC) Dr. Don Kent Core Workshop grant (\$13,047.29);
- 2) APEGS annual grant (\$4,000.00) from which \$100.00 was designated to Geoscience Calendar sponsorship;
- 3) publication and volume sales (\$3,105.01);
- 4) annual membership fees (\$2,835.00);
- 5) the Saskatchewan Geological House honorarium (\$1,092.84); and
- 6) promotional clothing sales (\$1,032.87).

As of Dec 31<sup>st</sup>, 2022, the Saskatchewan Geoscience Calendar had \$7,501.88 in income including \$4,801.88 in sales and \$2,700.00 in sponsorship and incurred \$4,929.98 in expenses for a net surplus of \$2,571.90. In part this large surplus is due to 2021 calendar sales income that was deposited in the early part of 2022. This is typical for the Geoscience Calendar account as the period for sales occurs around the fiscal year end. Please refer to the Geoscience Calendar Committee Report for more information.

Major expenses (net) contributing to the Society's 2022 annual operation balance included:

- 1) general operations expenses (\$4,402.04), such as for website hosting and service, liability insurance, Quickbooks, Stripe, etc.;
- 2) the Society's annual field trip (\$1,947.08);
- 3) luncheon talks and speaker expenses (\$1,180.67); and
- 4) student awards (\$850.00).

A total of \$1,260.00 in refunds were issued by the Society in 2022. Of this total, \$1,200.00 were for cancelled registration for the annual field trip.

#### *Other Society Accounts*

What follows are a few notes on accounts held for specific purposes, outside of the Society's main operating account:

- 1) Laszlo Fuzesy Student Poster Award: In 2019, the Fuzesy family donated \$20,000.00 to the Society. In January 2020, the executive decided that the funds would be used to support the Laszlo Fuzesy Award for years to come. The award is presented annually to the best graduate student poster at the Saskatchewan Geological Open House. In addition, the funds will also support the second and third place prizes in the graduate student poster contest. As of Dec 31<sup>st</sup>, 2022, the balance on the Fuzesy donation account is \$17,005.89.
- 2) GeoExplore Saskatchewan website: In 2019, APEGS provided a \$9,090.00 sponsorship for the development and maintenance of GeoExplore Saskatchewan. Since the donation was made, \$4,681.00 has been used for website development fees and \$1,753.17 has been used for website hosting and licensing and operational fees. As of Dec 31<sup>st</sup>, 2022, the balance in the GeoExplore Saskatchewan account is \$2,655.83.
- 3) Saskatchewan Geological Open House: Each year, the conference is organized so that the event breaks even. The income and expenses for this event are separate from the main operating budget of the Society; any surplus from this event cannot be used toward regular Society business; any loss is not expected to be covered by the Society. Some expenses are still outstanding but the following numbers were calculated based on reasonable estimates of these

expenses: the conference made a profit of \$1,611.18 and the balance in the Open House account should be \$54,284.73 after all remaining bills for the 2022 event have been paid.

### *2022 Budget*

The Society budget is created from the calculated average income and expenses over a three-year period and then adjusted based on what is expected for the coming year. Given the disruption that the COVID-19 pandemic brought to the Society's core functions and related financial activity in 2020 and 2021, the Society's 2022 budget is based on the calculated average of income and expenses in 2018, 2019 and 2022. Because the 2022 Annual General Meeting and curling bonspiel did not run, those events were not factored into the budget calculation. Additionally, as part of the Society's education and outreach operations, the executive agreed to provide \$1,000.00 annually for school lesson plan development in 2022, 2023 and 2024. While no education and outreach funds were used in 2022, the Society will continue to budget the agreed upon amount of \$1,000.00. Also included in the 2023 budget is \$5,000.00 for a review of the 2022 financial statements of the Society. This resolution will be voted on at the Annual General Meeting. Overall, the Society projects a deficit of \$10,865.00 to run our 2023 operations. The overall net surplus of \$17,717.23 in 2022, which is largely due to the bi-annual Dr. Don Kent Core Workshop grant, will be used to offset the projected deficit.

The 2023 Saskatchewan Geological Open House budget was produced separately because the conference is meant to run as a break-even event and therefore it is required that the income and expenses are managed and tracked independently. The Open House account has no bearing on the income and expenses of the general Society finances.

### *Guaranteed investment certificate (GIC)*

The Society renewed its TD one-year cashable GIC in April, 2022. As of December 31<sup>st</sup>, 2022, the GIC has a value of \$33,027.65 and an interest rate of 1.6%. The GIC will renew automatically at the end of each term, unless we decide otherwise.

### *Best Practices*

It is a suggested best practice that a non-profit organization such as the Society should have between three and six months of budgeted expenses as reserves. The projected expenses for 2023, without including the Open House account, are \$46,265.00; thus, the Society needs between \$11,566.25, and \$23,132.50 in reserves. The Society currently has \$57,898.21 in its general account and \$33,027.65 in a GIC, for a total of \$90,925.86, and thus has an acceptable amount of money going forward into 2023.

### *AGM Resolutions*

The Saskatchewan Geological Society's Executive has decided to put forth two resolutions pertaining to the financial statements at the upcoming Annual General Meeting on February 4<sup>th</sup>, 2023. First, under Saskatchewan's Non-profit Corporations Act, 1995, DIVISION XIII, Section 150(1), the Society resolves not to appoint an auditor for the 2022 financial records. If this resolution passes with a 2/3s majority, second, under Saskatchewan's Non-profit Corporations Act, 1995, DIVISION XIII, Section 150(4.1), the Society resolves to appoint a person to conduct a review of the 2022 financial statements of the corporation.

Respectfully submitted by Dillon Johnstone, Treasurer



## 6 Program Report – Brendan Bishop & David Thomas

Due to the ongoing pandemic, the 2022 speaker program continued with online presentations, however as restrictions eased, we were able to transition towards hybrid talks with our first live talk in over two years occurring in April. The ability to host both hybrid (in-person and online) and strictly online talks each have their own benefits, the hybrid talks provided the chance to meet in a social environment while also allowing those not able to attend to tune in virtually, while the strictly online talks allowed us to broaden the range of speakers available to present to the society. This format allowed for presenters from Saskatchewan, Alberta, BC, North Dakota, Oregon, Ontario, and Switzerland. In total, the society hosted 13 talks in 2022: four hybrid and nine online with speakers from academia, industry, and government. Attendance ranged from 20 to 60 participants.

The presentations covered a wide variety of topics including deep time, geo-tourism, economic geology and critical minerals, sedimentology and paleontology, petroleum geology, and structural geology. As in previous years, we were fortunate to host speakers from national and international organizations including the AAPG Distinguished Lecturer Dr Rebecca Dorsey online in March as well as the 2021 GAC Logan Medallist Dr Kurt Konhauser for our final talk of the year in December. With the return to in-person events we look forward to hosting travelling speakers from various societies and organizations in 2023.

The program chairs would like to thank all of our speakers in 2022 for taking the time to impart their knowledge on our members and support the society. We would also like to recognize the support of our members by attending these talks and ensuring it continues to be an important activity for the society and the greater Saskatchewan geology community.

The following list includes the speakers hosted by the society in 2022:

February 17, 2022: Dale Leckie – **Scenic Geology of Alberta** (online)

February 24, 2022: Rebecca Hunter (Geoscience BC) – **Structural controls on unconformity-related uranium mineralization: A revised model using structural and fluid inclusion data from northeast Thelon Basin area, Nunavut** (online)

March 10, 2022: Scott Parsons and Carl Nagy (Alamos Gold) – **Island Gold Mine: Geology, Controls on Mineralization, and Exploration Implications** (online)

March 24, 2022: Rebecca Dorsey (University of Oregon: AAPG Distinguished Lecturer) – **Stratigraphic record of the Late Cenozoic basin development along the Pacific-North America plate boundary in the Gulf of California Salton Trough** (online)

March 31, 2022: Konstantin von Gunten (University of Alberta, TFB) – **Decommissioned Mines: A Geochemist's Playground** (online)

April 7, 2022: Garth Drever (Frontier Lithium) – **Geology of Li-Pegmatites and the PAK Lithium Deposit, Ontario** (online)

April 14, 2022: Dan Alessi (University of Alberta) – **Extraction of Lithium from Brines to Meet Demand for Renewable Clean Energy** (hybrid at the Owl – University of Regina)

May 12, 2022: Meagan Gilbert (Saskatchewan Geological Survey) – **Sedimentology and depositional evolution of the Cypress Hills Formation (Eocene-Miocene) in southwestern Saskatchewan** (online)



May 19, 2022: Jeff Bader (North Dakota Geological Survey) – **Preliminary assessment of arch-top lineaments in Laramide arches, Wyoming-Montana (USA) and Ga-scale tectonic significance** (hybrid at Bushwakker Brewpub)

September 29, 2022: Marc Laflamme (University of Toronto) – **Complexity in the oldest animal ecosystems** (online)

October 13, 2022: John Gordon (Spectrum Geosciences) – **Hyperspectral imaging for heavy oil in the Lloydminster area** (online)

October 27, 2022: Dan Ferguson (University of Regina) – **The Midwest uranium deposit: A “modele reduit” for polymetallic mineralization in the Athabasca Basin** (hybrid at Bushwakker Brewpub)

December 6, 2022: Kurt Konhauser (University of Alberta: 2021 GAC Logan Medallist) – **Tracing the Evolution of Oxygen on the Ancient Earth** (hybrid at Bushwakker Brewpub)

## 7 Committee Reports

### 7.1 Education and Outreach Committee Report

Chair – Kate MacLachlan

Lesson Plan Consultant – Hilary Roemer

In 2022 we focused on trying to maximize our outreach efforts and understanding if our efforts are actually having an impact. Although the school lecture has always been well received and had a positive impact on those that attended, because of the in-person nature of the event, that impact has been limited to the Regina area. Since 2020, COVID forced us to go virtual and thus we have focused on supporting GeoExplore as our flagship outreach resource because it’s accessible from anywhere. We have worked on creating lesson plans that can replace the hands-on activities that used to accompany the school lecture. We currently have the following lesson plans related to GeoExplore (those highlighted in yellow are under development).

| <b>Resources &amp; Lessons related to the GeoExplore Tabs</b>   |
|---|
| <p><b>Map</b></p> <ul style="list-style-type: none"> <li>• 0.1 Geological Highway Map North Half</li> <li>• 0.2 Geological Highway Map South Half</li> <li>• 0.3 Geological Highway Map Scavenger Hunt</li> </ul>   |
| <p><b>Geo 101...</b></p> <p><b>Sask Geology</b></p> <ul style="list-style-type: none"> <li>• 1.1.0 Stratigraphic Correlation Chart</li> <li>• 1.1.1 Stratigraphy Part 1 – Cupcake Layers</li> <li>• 1.1.2 Stratigraphy Part 2 – Strat. Columns</li> </ul> <p><b>Rock Cycle</b></p> <ul style="list-style-type: none"> <li>• 1.2.0 Pet Rock Lesson</li> <li>• 1.2.1 Minerals and Rocks Doodle Notes</li> <li>• 1.2.2 Mineral ID Lesson &amp; Lab</li> <li>• 1.2.2 Mineral ID Presentation</li> <li>• 1.2.3 Mineral Formation Lesson &amp; Lab</li> </ul> |

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|---|
| <ul style="list-style-type: none"> <li>• 1.2.3 Mineral Formation Presentation</li> <li>• 1.2.4 Mineral Uses Lesson &amp; Project</li> <li>• 1.2.5 The Rock Cycle Bill Nye &amp; Lab</li> <li>• 1.2.6 Igneous Lesson, Lab &amp; WebQuest</li> <li>• 1.2.6 Igneous Presentation</li> <li>• 1.2.7 Sedimentary Lesson, Lab &amp; WebQuest</li> <li>• 1.2.7 Sedimentary Presentation</li> <li>• 1.2.8 Metamorphic Lesson, Lab &amp; WebQuest</li> <li>• 1.2.8 Metamorphic Presentation</li> <li>• 1.2.9 Campbell GEOrock Garden Lesson</li> <li>• 1.2.9 Campbell GEOrock Garden Virtual Tour</li> </ul> <p><b>Meteorite Impacts</b></p> <ul style="list-style-type: none"> <li>• 1.4.0 Killer Craters Lesson &amp; Lab</li> </ul>  |
| <p><b>Our Resources</b></p> <p><b>Resource Map</b></p> <ul style="list-style-type: none"> <li>• 2.1.0 Mineral Resources Map</li> <li>• 2.1.1 Renewable or Non-renewable Lesson</li> <li>• 2.1.2 Hockey Puck Resources</li> </ul> <p><b>Minerals &amp; Mines</b></p> <ul style="list-style-type: none"> <li>• 2.2.1 Potash – Growing Halite Crystals</li> </ul> <p><b>Oil, Gas &amp; Coal</b></p> <ul style="list-style-type: none"> <li>• 2.3.1 Saskatchewan Power Sources Lesson</li> <li>• 2.3.1 Saskatchewan Power Presentation</li> </ul> <p><b>Soils</b></p> <ul style="list-style-type: none"> <li>• 2.5.1 Food from the Land (Reading Non-Fiction)</li> </ul> <p><b>Others</b></p> <ul style="list-style-type: none"> <li>• 2.6.1 Geothermal Demo, Lesson &amp; WebQuest</li> <li>• 2.6.2 Porosity and Permeability Lab</li> </ul> |
| <p><b>Fossils</b></p> <p><b>Vertebrates</b></p> <ul style="list-style-type: none"> <li>• 5.1.1 Saskatchewan Mammal Fossils Lesson</li> <li>• 5.1.1 Sask Mammal Fossils Presentation</li> </ul>  |
| <p><b>Ice Age</b></p> <ul style="list-style-type: none"> <li>• 6. Potential Impacts in Canada</li> <li>• 6.0 Big Valleys Panel Lesson (Reading Non-Fiction)</li> <li>• 6.1 Glacial Terminology Lesson</li> <li>• 6.1 Glacial Terminology Presentation</li> <li>• 6.2 Glacial Stations</li> <li>• 6.3 Erratic-al! Lesson</li> <li>• 6.4 Contour Maps Lesson</li> <li>• 6.5 Day After Tomorrow Lesson</li> <li>• 6.5 Day After Tomorrow Maps</li> </ul>   |
| <p><b>Landforms</b></p> <ul style="list-style-type: none"> <li>• 7.1 Badland Basics Panel Lesson (Reading Non-Fiction)</li> <li>• 7.2 Landslides Panel Lesson (Reading Non-Fiction)</li> </ul>  |

|  |
|--|
| <ul style="list-style-type: none"> <li>• 7.3 Hard Rock or Soft Rock? Lesson</li> </ul>   |
| <p><b>Water &amp; Drainage</b></p> <ul style="list-style-type: none"> <li>• 8.1 Water Panel Lesson (Reading Non-Fiction)</li> <li>• 8.2 Water Cycle Lesson &amp; Lab</li> <li>• 8.3 What is a Cloud? Lesson</li> <li>• 8.4 Groundwater Panel Lesson (Reading Non-Fiction)</li> <li>• 8.5 Porosity and Permeability Lab</li> <li>• 8.6 The Flow Below Lesson &amp; Lab</li> </ul> |

In 2022 we wanted to gather some data to see if the lesson plans are actually being used and get some feedback from teachers on how useful they are. We decided to post them on a website called *Teachers-Pay-Teachers* where teachers can share resources either free or for sale. We posted a variety of our lesson plans and related resources for free, starting in March 2022. As of January 17, 2023, we had received 8113 Page Views, 4874 Downloads and a rating of 4.5/5, from 28 votes. This website serves teachers across North America, so we don't know how many of the users are from within Saskatchewan, but it seems there is a market for geoscience teaching resources.

### Looking Forward

In 2023 we plan to complete all the lesson plans that are under development. We're also considering rolling the Education and Outreach Committee into the GeoExplore Committee to make the most of our volunteer resources. We will work on a plan for implementing that in 2023.

Respectfully submitted, Kate MacLachlan, Committee Chair.

## 7.2 Field Trip Committee Report

Chair – John Lake

Saskatchewan Geological Society 2022 Annual Field Trip to Flin Flon, Manitoba.

This year we went to Flin Flon to check out the structure and volcanic stratigraphy of this prolific mining camp (August 26-30, 2022). The Field Trip was led by Michelle De Wolfe (Mount Royal University, Calgary), David Thomas and Neil Richardson (Hudbay Minerals). Eleven SGS members joined up with 16 Mount Royal University students to roam over the excellent exposures of the volcanics, Missi metasediments and later plutonic rocks. Michelle De Wolfe gave us an introductory lecture outlining the volcanic stratigraphy of the area: Extensional tectonics of the Footwall Flin Flon Formation (Blue Lagoon and Mill Rock Members) and the Hangingwall convergent Hidden Formation (1920 Unit, Reservoir and Stockwell Members) and Louis Formation (Tower, Icehouse and Undivided Members). Neil Richardson showed us massive sulphide drillcore from the Triple 7 orebody. His candid lecture outlined the limitations of geophysical techniques for massive sulphide exploration.



Extensive detailed mapping by the field trip leaders has made this one of the best-understood mining camps in the world. The rhyolite at the top of the Flin Flon Footwall succession input sufficient heat to set up a long term geothermal system responsible for the precipitation of the massive lead-zinc deposit. We looked at the evidence for a prospect in the Hangingwall Louis (Tower Member). The Missi sediments in the Annabell Lake Shear Zone were extensively deformed and metamorphosed to amphibolite grade. The Cliff Lake and Annabell Lake Plutons showed multiple deformation histories. Clays in the altered intervals makes it easier to deform. The Sturgeon-Weir, Amisk Lake (Ordovician Red River), karsted caverns and Ordovician Winnipeg sands (Flower Quarry) were visited on the last day of the field trip.



Thanks to Michelle De Wolfe, David Thomas and Neil Richardson for leading an excellent field trip. Thanks also to the Mount Royal University students for allowing us to join their field mapping school. Thanks to the Victoria Inn and Chicken Chef (a legendary Manitoba restaurant franchise) for

accommodations and meals.

Respectfully submitted by John Lake, SGS Field Trip Coordinator.

### 7.3 Geoscience Calendar Committee Report

Chair – Ralf Maxeiner

Regina Members: Ken Ashton (SK Survey; Editor)  
 Monica Cliveti (U of R; Secretary)  
 Jason Cosford (JD Mollard; Design)  
 Svieda Ma (Cameco Corp)  
 Ryan Morelli (SK Survey; resigned from committee in March)

Saskatoon Members: Kevin Ansdell (U of S)  
 Karen Bawden (retired geologist)  
 Dunja Sorenson (NexGen Energy Ltd)



La Ronge Member: Meagan Gilbert (SK Survey; moved to Regina in fall)  
 Copy Editor: Fred Shrimer (SK Survey)  
 Michelle Hanson (SK Survey)



The 2023 Saskatchewan Geoscience Calendar represented the 8<sup>th</sup> edition. This latest edition features Saskatchewan's first Cambrian trilobite, landscape photos, a painting by Gary Thompson, geomorphology and outcrop photos, a thin section photo, and a photo of diamonds from Fort a la Corne, as well as several other images.

We have made a change to the pricing structure of the calendar. As in previous years individual copies are still available for \$10, but the discounted price of \$8 is only given if purchasing 10 or more copies. Any calendars remaining after the AGM will once again be distributed for free to Regina, Saskatoon and La Ronge classrooms. At the time of writing, not all calendar proceeds have been accounted for, but it seems certain that the 2022 calendar, will once again return a profit. The financial year for the calendar AGM. The averaged net income of the calendar since it began in 2016 is \$743 per year, with a total income.

The following sponsors are thanked for their generous contributions towards the 2023 Geoscience Wall Calendar: The Saskatchewan Mining Association has been a major contributor since the inception of the calendar. The remaining sponsors are, in alphabetical order: APEGS, Caprice Resources Ltd., Dave Thomas, Deep Earth Energy Production, Denison Mines, Fleet Energy, Hy-Tech Drilling, IsoEnergy Ltd., J.D. Mollard and Associates, Osprey Wings Ltd., North American Helium, Petroleum Technology

Research Centre, PrintWest, RESPEC, Rio Tinto, SSR Mining Seabee; Robertson Trading Company, and Saskatchewan Research Council.

### Saskatchewan Geoscience Calendar - Expense/Income Summary

|             | 3/1/2016<br>1st ed | 3/1/2017<br>2nd ed | 3/1/2018<br>3rd ed | 3/1/2019<br>4th ed | 3/1/2020<br>5th ed | 3/1/2021<br>6th ed | 3/1/2022<br>7th ed | 1/1/2023<br>8th ed* | Rolling 8 year<br>average |
|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------------|
| NET         | \$ 654.33          | \$ 1,010.36        | \$ 472.20          | \$ 483.18          | \$ 1,118.81        | \$ 1,429.61        | \$ 797.65          | \$ 722.89           | \$ 836.13                 |
| INCOME      | \$ 4,935.21        | \$ 5,402.30        | \$ 4,974.30        | \$ 4,626.15        | \$ 5,282.37        | \$ 5,558.38        | \$ 5,065.11        | \$ 5,652.87         | \$ 5,187.09               |
| Sponsorship | \$ 2,032.10        | \$ 2,346.80        | \$ 2,000.00        | \$ 2,250.00        | \$ 2,200.00        | \$ 2,150.00        | \$ 2,150.00        | \$ 2,700.00         | \$ 2,228.61               |
| Sales       | \$ 2,903.11        | \$ 3,055.50        | \$ 2,974.30        | \$ 2,376.15        | \$ 3,082.37        | \$ 3,408.38        | \$ 2,915.11        | \$ 2,952.87         | \$ 2,958.47               |
| EXPENSES    | \$ 4,280.88        | \$ 4,391.94        | \$ 4,502.10        | \$ 4,142.97        | \$ 4,163.56        | \$ 4,128.77        | \$ 4,267.46        | \$ 4,929.98         | \$ 4,350.96               |
| Printing    | \$ 4,146.80        | \$ 4,338.20        | \$ 4,415.96        | \$ 4,054.50        | \$ 4,111.34        | \$ 4,113.86        | \$ 4,205.02        | \$ 4,799.39         | \$ 4,273.13               |
| Postage     | \$ 134.08          | \$ 53.74           | \$ 86.14           | \$ 88.47           | \$ 52.22           | \$ 14.91           | \$ 62.44           | \$ 130.59           | \$ 77.82                  |

Summary of SGS Calendar Finances as of Jan 1, 2023. Please note that this Expense/Income Summary deviates a bit from the Treasurer's Report because the fiscal year for the calendar runs until March 31, rather than January 31.

\*not all income for the 8<sup>th</sup> edition is recorded in this column (missing Jan 1-March 31)

I would like to thank all the committee members for their involvement and tremendous efforts in helping to make the eighth edition of the Geoscience Calendar a success, but also in helping to make it a fun project to be working on. Without photos there would be no calendar. Therefore, the committee is grateful to all the people who contributed photos to the calendar and in particular the following external photo contributors are acknowledged, in the order in which their photos appear in the calendar: Andrei Ichaso, Neal Handkamer, Terri Young, Dave MacDougall, Charlie Harper, Ezra Meszaros, Gary Thompson.

Respectfully submitted by Ralf Maxeiner, Committee Chair.

#### 7.4 GeoExplore Saskatchewan Committee Report

Co-Chairs: Kate MacLachlan (APEGS) and Ralf Maxeiner (SK Geological Survey)

Regina Members: Janis Dale (U of R)  
Michelle Hanson (SK Geological Survey)  
Thomas Love (SK Geological Survey)  
Sam Narimani (Consultant)  
Eric Nickel (PTRC)  
Norm Sacuta (PTRC)  
Pam Schwann (SMA)  
Lynn Carter (SMA)

Long-distance Members: Kevin Ansdell (U of S)  
Emily Bamforth (Philip J. Currie Dinosaur Museum in Wembley, Alberta)



In 2022 the committee decided to hold bi-annual rather than quarterly meetings to discuss website status, future content and revisions, and promotion.

As reported last year, the conversion of the printed *Geological Highway Map of Saskatchewan* to the digital [GeoExplore Saskatchewan website](#), which began in 2019, is now near-complete. The content we had planned to add at the beginning has now largely been added. In addition to the content from the original map, which was migrated and updated, there are many additions that were not part of the original project. *GeoExplore Saskatchewan* is much more than the original *Geological Highway Map* ever could be and I encourage members to spend a few minutes to visit the site and browse through the pages. We also welcome suggestions for content.

#### *What's New in 2022?*

- The Critical Minerals Map symbology was simplified and updated;
- Many new photos including those from the 2022 Geoscience Calendar have been uploaded to the site;
- Work continued on various landform pages;
- Work is ongoing on a Geological Time Scale page, and
- Work underway on upgrading the content of the Campbell Rock Garden brochure.

The ArcGIS template that is currently in use by the *GeoExplore* site is old and we may need to spend some time and money to migrate the content to a new template in 2023–2024.

Traffic to the site seems to be steady at about 20 visits a day, although it drops off over the summer months.

*Your Contribution:* If SGS members would like to add photos to GeoExplore, we would appreciate the contribution. Please also submit a short caption and latitude-longitude coordinates to [Sask.Geological.Calendar@outlook.com](mailto:Sask.Geological.Calendar@outlook.com).

*Sponsorship:* In addition to the committee of geoscientists under the auspices of the Saskatchewan Geological Society, *GeoExplore Saskatchewan* was made possible by the financial support from APEGS, and personnel support from the Saskatchewan Geological Survey, the Saskatchewan Mining Association (SMA), the Royal Saskatchewan Museum (RSM), Tourism Saskatchewan, and the Petroleum Technology Research Council (PTRC).

*Funding:* There are a few thousand dollars of the original \$9090 APEGS seed money left and this money may have to be used for some development work regarding a change of ArcGIS template that we are using.

Respectfully submitted by Ralf Maxeiner and Kate MacLachlan.

#### **7.5 Geological Open House Committee Report (Jason Berenyi)**

Chair: Jason Berenyi

Society reps: Samantha Van De Kerckhove, Dillon Johnstone.

Survey reps: Ann Davidson, Thomas Love, Amanda Palaniuk, Deirdre O'Donohoe and Aaron Coons.

The 2022 Saskatchewan Geological Open House was held Nov.28-30<sup>th</sup>, 2022 at the Delta Bessborough Hotel in Saskatoon. Once again, the conference was very well attended with over 650 delegates attending, 24 sponsors and 58 exhibitors. There were 30 geoscience posters on display including 13 student submissions (9 graduate and 4 undergraduate).

Four technical sessions were held Nov.29 and 30th featuring 30 geoscience talks by Survey staff, industry and academic researchers covering a range of topics including: mapping projects, exploration project updates and advances in exploration techniques.

Forty-eight delegates attended a short course presented by David Thomas on Uranium Geology 101. We were pleased to once again be able to offer our delegates an affordable geoscience learning opportunity hosted in Saskatchewan.

A break-down of the income and expenditures related to the conference are included in the budget section of this report.

The Saskatchewan Geological Survey and the members of the Open House Organizing committee would like to thank the Society for its continued involvement in, and support of, the Geological Open House. This alliance enables both partners to fulfill their mandates of supporting the mineral exploration industry and promoting geoscience in the province.

Respectfully submitted by Jason Berenyi.

## **7.6 Williston Basin Petroleum Conference Report (Erik Nickel)**

The Williston Basin Petroleum Conference was held from May 24-26, 2022 in Regina. This was the first in-person WBPC held in Canada since the spring of 2019. The conference was regarded as a success with 413 attendees, many great talks, and lots of exhibitors. The focus of the conference was "Energy From the Earth"; highlighting all of the new subsurface energy and minerals such as Helium, Hydrogen, Geothermal, CCS and Lithium in addition to traditional oil and gas.

In keeping with this theme, the SGS once again hosted "The Don Kent Core Workshop" in memory of Dr. Kent, highlighting many of those same new minerals and energy sources. The workshop was also a success with 37 attendees viewing 6 presentations on everything from Precambrian basement evolution to Mannville stratigraphy. As a result of missing the 2021 conference due to the pandemic, the WBPC is once again being held in Regina May 2-4, 2023, and the intention is for the SGS to host a pre-conference workshop once again.

Respectfully submitted by Eric Nickel.

## **8. Saskatchewan Geological Society Awards**

### **8.1 Student Awards Committee Report (Mike Thomas)**

The Society presents four student awards each year to recognize the individual achievements of excellent geology majors from both University of Regina and University of Saskatchewan. The Awards are as follow:



- The **President's Award**, presented for the best undergraduate student poster at the Saskatchewan Geological Survey's Open House normally held in Saskatoon in December.
- The **Dr. Laszlo Fuzesy Award**, presented for the best graduate student poster at the Survey's Open House.
- The **Robert Milner Award**, presented to the top graduating undergraduate geology student at University of Regina.
- The Dr. **Walter Kupsch Award**, presented to the top graduating undergraduate geology student at University of Saskatchewan.

Winners of these awards are normally publicly recognized at the Society's Annual General Meetings. With our last meeting held in February, 2020 for the 2019 year, we have been unable to recognize these winners until this AGM. The winners of the 4 student awards for the 2 missing years, 2020 and 2021, plus this present year, 2022 are recorded below.

**Presidents' Award** (top undergraduate poster)

2020 - not awarded

2021 - Mr. Damian Friesen, U. Sask., poster entitled "*Protolith determination of Taltson Domain basement gneisses, Davidson River uranium project, northwestern Saskatchewan*".

2022 - Ms. Nahanni Young, U. Regina, poster entitled "*Investigation of graphite's potential role as a reducing mechanism in unconformity-related uranium mineralization: Petrographic and Raman spectroscopic study of the Gryphon deposit, Athabasca Basin*".

**Dr. Laszlo Fuzesy Award** (top graduate student poster)

2020 - not awarded

2021 - Ms. Shelby Brandt, U. Regina, poster entitled "*Structural Context of Gold Mineralization in the Santoy Gap Hanging Wall Deposit, Seabee Property Area*".

2022, 1<sup>st</sup> Prize - Mr. Nicholas Montenegro, U. Regina, poster entitled "*Lithostructural Synthesis of the Martin Formation of the Waugh Lake Group, Northeastern Alberta*".

2022, 2<sup>nd</sup> Prize - Mr. Daniel Ferguson, U. Regina, poster entitled "*The Midwest uranium deposit: a "modèle réduit" for polymetallic mineralization in the Athabasca Basin*".

**Robert Milner Award** (top U. Regina Geology Student)

2020 - Ms. Brittany Boyarski

2021 - Ms. Nahanni Young

2022 - Mr. Collin Germann

**Dr. Walter Kupsch Award** (top U. Saskatchewan Geology student).

2020 - Mr. Oliver Horner

2021 - Mr. Jaiden Christopher

2022 - Ms. Emily Harrison

Congratulations to all the winners. Many thanks to the poster session organizers and judges, with a special shout out to the Survey's Ms. Samantha Van De Kerckhove (the "Moosomin Tornado"), as well as the geological faculties of both Universities, especially U. Sask Dr. Colin Sproat and U. Regina Dr. Ian Coulsen.

Respectively submitted by Mike Thomas, presently the Society's past past-President.

## 8.2 Honour Roll Committee

Chair - David MacDougall

The Honour Roll Sub-Committee was established in 2002. Since the death of Dr. Don Kent in June 2022, Dr. Jim Christopher has assumed the role of Emeritus Chairman. Dr. Charlie Harper; David Thomas, Mike Thomas and David MacDougall are the current committee members. The President of the Society is an ex-officio member.

The Honour Roll recognizes those whose contribution to the science of geology has significantly enhanced our understanding of Saskatchewan's geological history, character and mineral or energy resources. It also recognizes geologists who have pioneered new investigative geological methods in the province. There are at present twenty-nine members on the Honour Roll, a full list of whom with their citations is on the Saskatchewan Geological Society website under the heading *Awards*.

The committee canvasses SGS members for the names of those who should be considered and chooses a candidate from a short-list. The honour is traditionally awarded at the AGM & Awards Dinner in early February, in the company of family, friends and colleagues. During the worst two years of the Covid-19 pandemic, when virtual Annual General Meetings replaced live ones there was no Awards Dinner nor any candidates inducted. Work has since begun on citations for a number of candidates and approaches have been made to the Saskatchewan Open House Committee, the Williston Basin Conference Committee and the Saskatchewan Mining Association asking whether there might be suitable events such as banquets hosted by these organizations where candidates could be inducted to the Honour Roll. This has been done in an attempt to catch up on the two-year backlog. No candidates have been cited for the Honour Roll since Dr. Colin Dunn in February 2020.

Respectfully submitted by David MacDougall

## 9. Nominating Committee

The term of the 2022 SGS executive ends with the AGM on February 4, 2023. The following people have agreed to hold the following executive positions for 2023. We warmly welcome Dan Kohlruss and Tyrin Foley. Nadene Joy joined mid last year and will continue for 2023. Dave Thomas has gracefully moved from the program committee to be our new president. We offer a giant **thank you** to all these folks and especially to Dillon Johnstone and Samantha Van De Kerckhove for their amazing contributions and service.

We warmly welcome our new executive for 2023:

|                        |                     |
|------------------------|---------------------|
| <b>President:</b>      | <b>David Thomas</b> |
| <b>Vice-President:</b> | <b>Dan Kohlruss</b> |

|                                 |                        |
|---------------------------------|------------------------|
| <b>Treasurer:</b>               | <b>Tyrin Foley</b>     |
| <b>Secretary:</b>               | <b>Jason Cosford</b>   |
| <b>Business Manager:</b>        | <b>Nadene Joy</b>      |
| <b>Program Chair:</b>           | <b>Brendan Bishop</b>  |
| <b>Assistant Program Chair:</b> |                        |
| <b>Past President:</b>          | <b>Brian Brunskill</b> |

A motion will be made at the AGM to accept the entire slate of candidates for 2023.

# Saskatchewan Geological Society Inc.

## Balance Sheet

As of December 31, 2022

|  | TOTAL               |
|--|---------------------|
| <b>Assets</b>                              |                     |
| Current Assets                             |                     |
| Cash and Cash Equivalent                   |                     |
| 1000 TD Bank - Chequing                    | 57,898.21           |
| 1001 SK Geological Open House              | 59,574.95           |
| 1002 GeoExplore Saskatchewan website       | 2,655.83            |
| 1003 Fusezy Sponsorship account            | 17,005.89           |
| <b>Total 1000 TD Bank - Chequing</b>       | <b>137,134.88</b>   |
| 1050 Petty Cash                            | 300.00              |
| 1210 Undeposited Funds                     | 0.00                |
| <b>Total Cash and Cash Equivalent</b>      | <b>\$137,434.88</b> |
| Accounts Receivable (A/R)                  |                     |
| 1200 Accounts Receivable (A/R)             | 210.00              |
| <b>Total Accounts Receivable (A/R)</b>     | <b>\$210.00</b>     |
| 1600 Prepaid Expenses                      | 1,099.16            |
| <b>Total Current Assets</b>                | <b>\$138,744.04</b> |
| Non-current Assets                         |                     |
| Property, plant and equipment              |                     |
| 1300 Computers                             | 1,062.52            |
| 1301 A/A - Computer                        | -292.19             |
| <b>Total 1300 Computers</b>                | <b>770.33</b>       |
| <b>Total Property, plant and equipment</b> | <b>\$770.33</b>     |
| 1700 TD GIC Investment                     | 33,027.65           |
| <b>Total Non Current Assets</b>            | <b>\$33,797.98</b>  |
| <b>Total Assets</b>                        | <b>\$172,542.02</b> |
| <b>Liabilities and Equity</b>              |                     |
| Liabilities                                |                     |
| Current Liabilities                        |                     |
| Accounts Payable (A/P)                     |                     |
| 2000 Accounts Payable (A/P)                | 0.00                |
| <b>Total Accounts Payable (A/P)</b>        | <b>\$0.00</b>       |
| 2015 Accrual Payables                      | 0.00                |
| 2100 Deferred revenue                      | 0.00                |
| 2200 GST/HST Payable                       | -5,018.62           |
| 2201 GST/HST Filed                         | -2,832.13           |
| 2206 S/A PST and Adjustments               | 0.00                |
| 2207 PST Filed (SK)                        | 90.14               |
| <b>Total Current Liabilities</b>           | <b>\$ -7,760.61</b> |
| <b>Total Liabilities</b>                   | <b>\$ -7,760.61</b> |

# Saskatchewan Geological Society Inc.

## Balance Sheet

As of December 31, 2022

|                                     | TOTAL               |
|-------------------------------------|---------------------|
| Equity                              |                     |
| 3010 Opening Balance Equity         | 0.00                |
| Retained Earnings                   | 157,198.86          |
| Profit for the year                 | 23,103.77           |
| <b>Total Equity</b>                 | <b>\$180,302.63</b> |
| <b>Total Liabilities and Equity</b> | <b>\$172,542.02</b> |

# Saskatchewan Geological Society Inc.

## Profit and Loss

January - December 2022

|  | TOTAL               |
|--|---------------------|
| <b>INCOME</b>  |                     |
| 4050 Annual Field Trip Income                          |                     |
| 4051 Registration Fee - Member                         | 7,800.00            |
| 4052 Registration Fee - Student                        | 600.00              |
| <b>Total 4050 Annual Field Trip Income</b>             | <b>8,400.00</b>     |
| 4100 Sask. Geoscience Calendar                         |                     |
| 4101 Sask. Geoscience Calendar - Sales                 | 4,801.88            |
| 4102 Sask. Geoscience Calendar - Sponsorship           | 2,700.00            |
| <b>Total 4100 Sask. Geoscience Calendar</b>            | <b>7,501.88</b>     |
| 4250 BBQ Tournament Income                             |                     |
| 4251 Registration and Sponsorship Income               | 2,329.26            |
| <b>Total 4250 BBQ Tournament Income</b>                | <b>2,329.26</b>     |
| 4300 Grants/Sponsorships                               |                     |
| 4301 APEGS Grant                                       | 3,900.00            |
| 4303 WBC Grant   | 15,000.00           |
| <b>Total 4300 Grants/Sponsorships</b>                  | <b>18,900.00</b>    |
| 4350 Luncheon Income                                   |                     |
| 4351 Ticket Sales                                      | 891.00              |
| <b>Total 4350 Luncheon Income</b>                      | <b>891.00</b>       |
| 4400 Membership Dues                                   |                     |
| 4401 Active  | 1,840.00            |
| 4403 Corporate   | 600.00              |
| 4404 Lifetime  | 350.00              |
| 4405 Student   | 45.00               |
| <b>Total 4400 Membership Dues</b>                      | <b>2,835.00</b>     |
| 4450 Merchandise Sales                                 |                     |
| 4451 Royalty Fees (Income)                             | 3,129.00            |
| 4453 Promotional Materials                             | 1,032.87            |
| <b>Total 4450 Merchandise Sales</b>                    | <b>4,161.87</b>     |
| 4500 Open House - Society Related                      | 4,113.76            |
| 4550 Williston Basin Petroleum Conference              |                     |
| 4551 Don Kent Core Workshop printing sponsorship       | 1,100.00            |
| <b>Total 4550 Williston Basin Petroleum Conference</b> | <b>1,100.00</b>     |
| 4600 Open House Event                                  |                     |
| 4601 Short Course Registration                         | 16,333.33           |
| 4602 Booth Registration                                | 45,600.00           |
| 4603 Sponsorship                                       | 22,500.00           |
| 4604 Website Testing                                   | 2.95                |
| <b>Total 4600 Open House Event</b>                     | <b>84,436.28</b>    |
| <b>Total Income</b>                                    | <b>\$134,669.05</b> |

# Saskatchewan Geological Society Inc.

## Profit and Loss

January - December 2022

|  | TOTAL            |
|--|------------------|
| <b>COST OF GOODS SOLD</b>                                  |                  |
| 5000 AGM Expenses  |                  |
| 5001 Catering  | 0.00             |
| <b>Total 5000 AGM Expenses</b>                             | <b>0.00</b>      |
| 5050 Annual Field Trip Expenses                            | 10,347.08        |
| 5060 Calendar, SGS publication                             |                  |
| 5061 Mailing   | 130.59           |
| 5062 Printing  | 4,799.39         |
| <b>Total 5060 Calendar, SGS publication</b>                | <b>4,929.98</b>  |
| 5200 Golf Tournament                                       |                  |
| 5201 BBQ Supplies  | 2,239.15         |
| <b>Total 5200 Golf Tournament</b>                          | <b>2,239.15</b>  |
| 5250 Luncheon Expenses                                     |                  |
| 5251 Catering  | 1,829.11         |
| 5252 Speaker Expenses                                      |                  |
| 5254 Meals   | 242.56           |
| <b>Total 5252 Speaker Expenses</b>                         | <b>242.56</b>    |
| <b>Total 5250 Luncheon Expenses</b>                        | <b>2,071.67</b>  |
| 5300 Open House - Soc. Related                             | 3,020.92         |
| 5350 Williston Basin Conference                            |                  |
| 5351 Core Workshop   |                  |
| 5352 Printing  | 1,194.10         |
| 5353 Catering  | 1,858.61         |
| <b>Total 5351 Core Workshop</b>                            | <b>3,052.71</b>  |
| <b>Total 5350 Williston Basin Conference</b>               | <b>3,052.71</b>  |
| 5400 Awards  |                  |
| 5402 Robert Milner Award                                   | 350.00           |
| 5406 Poster contest awards                                 | 500.00           |
| <b>Total 5400 Awards</b>                                   | <b>850.00</b>    |
| 5450 Merchandise/Publications                              |                  |
| 5451 Mailing   | 23.99            |
| <b>Total 5450 Merchandise/Publications</b>                 | <b>23.99</b>     |
| 5500 Open House Event Expenses                             | 75,427.41        |
| 5501 Open House Exhibitor refund                           | 840.00           |
| 5503 Open House Website Testing Refund                     | 2.00             |
| 5505 Open House Website                                    | 318.00           |
| <b>Total 5500 Open House Event Expenses</b>                | <b>76,587.41</b> |
| 5600 GeoExplore Saskatchewan website expenses              |                  |
| 5601 GeoExplore Sask. Hosting Fees (ESRI)                  | 159.00           |
| 5602 GeoExplore Sask. License Fees (ESRI)                  | 159.00           |
| <b>Total 5600 GeoExplore Saskatchewan website expenses</b> | <b>318.00</b>    |
| 5800 Society Operations Customer Refunds                   | 1,260.00         |

# Saskatchewan Geological Society Inc.

## Profit and Loss

January - December 2022

|  | TOTAL               |
|--|---------------------|
| 5900 Misc. Expenses                          |                     |
| 5901 Sympathy gifts                          | 99.84               |
| <b>Total 5900 Misc. Expenses</b>             | <b>99.84</b>        |
| <b>Total Cost of Goods Sold</b>              | <b>\$104,800.75</b> |
| <b>GROSS PROFIT</b>                          | <b>\$29,868.30</b>  |
| EXPENSES                                     |                     |
| 6040 Stripe Fees                             |                     |
| 6041 Stripe - Society Operations             | 502.63              |
| 6042 Stripe - Open House                     | 2,528.25            |
| <b>Total 6040 Stripe Fees</b>                | <b>3,030.88</b>     |
| 6055 Business Licenses and Fees              | 15.00               |
| 6060 Insurance                               | 1,483.60            |
| 6078 Software and Subscriptions              | 1,255.04            |
| 6090 Postage Expenses                        |                     |
| 6091 PO Box Rental                           | 204.00              |
| <b>Total 6090 Postage Expenses</b>           | <b>204.00</b>       |
| 6100 Advertising/Promotional                 |                     |
| 6102 SGS Website                             | 596.25              |
| <b>Total 6100 Advertising/Promotional</b>    | <b>596.25</b>       |
| 6150 Executive meeting expenses              |                     |
| 6151 Food and Beverage                       | 245.68              |
| <b>Total 6150 Executive meeting expenses</b> | <b>245.68</b>       |
| <b>Total Expenses</b>                        | <b>\$6,830.45</b>   |
| OTHER INCOME                                 |                     |
| 4800 GIC Investment Interest earned          | 65.92               |
| <b>Total Other Income</b>                    | <b>\$65.92</b>      |
| <b>PROFIT</b>                                | <b>\$23,103.77</b>  |



SASKATCHEWAN GEOLOGICAL SOCIETY  
Proposed Budget 2023

**General Society**

|                                 | 2018 Actual           |             | 2019 Actual         |              | 2022 Proposed       |              | 2022 Actual         |               | 3-year average      | 2023 Proposed         |     |
|---------------------------------|-----------------------|-------------|---------------------|--------------|---------------------|--------------|---------------------|---------------|---------------------|-----------------------|-----|
|                                 | Main                  | Sub         | Main                | Sub          | Main                | Sub          | Main                | Sub           |                     | Main                  | Sub |
| <b>NET SURPLUS/LOSS</b>         | <b>\$ (14,363.87)</b> |             | <b>\$ 5,349.18</b>  |              | <b>\$ 12,532.70</b> |              | <b>\$ 17,717.23</b> |               | <b>\$ 2,900.85</b>  | <b>\$ (10,865.00)</b> |     |
| <b>INCOME</b>                   | <b>\$ 31,940.07</b>   |             | <b>\$ 54,291.02</b> |              | <b>\$ 44,750.00</b> |              | <b>\$ 50,232.77</b> |               | <b>\$ 45,487.95</b> | <b>\$ 35,400.00</b>   |     |
| Annual General Meeting          | \$ 1,860.00           |             | \$ 1,880.00         |              | \$ -                |              |                     |               | \$ 1,870.00         | \$ 1,000.00           |     |
| APEGS constituent society grant | \$ 4,000.00           |             | \$ 4,000.00         |              | \$ 4,000.00         |              | \$ 3,900.00         |               | \$ 3,966.67         | \$ 3,900.00           |     |
| Calendar                        | \$ 4,626.19           |             | \$ 4,340.38         |              | \$ 4,650.00         |              | \$ 7,501.88         |               | \$ 5,489.48         | \$ 5,500.00           |     |
| Sponsorship                     |                       | \$ 2,350.00 |                     | \$ 2,200.00  |                     | \$ 2,200.00  |                     | \$ 2,700.00   | \$ 2,416.67         | \$ 2,700.00           |     |
| Sales                           |                       | \$ 2,276.19 | *                   | \$ 2,140.38  |                     | \$ 2,450.00  |                     | * \$ 4,801.88 | \$ 3,072.82         | \$ 2,800.00           |     |
| Curling bonspiel                | \$ 465.00             |             | \$ 670.00           |              | \$ -                |              | \$ -                |               | \$ 567.50           | \$ 600.00             |     |
| Education & Outreach            | \$ 2,452.52           |             | \$ 5,063.06         |              | \$ 1,000.00         |              | \$ -                |               | \$ 2,838.53         | \$ 1,000.00           |     |
| Field trip                      | \$ 7,000.00           |             | \$ 8,000.00         |              | \$ 7,500.00         |              | \$ 8,400.00         |               | \$ 7,800.00         | \$ 7,500.00           |     |
| Golf tournament (and BBQ)       | \$ 315.00             |             | \$ 1,310.00         |              | \$ 1,000.00         |              | \$ 2,329.26         |               | \$ 1,318.09         | \$ 2,000.00           |     |
| Luncheon meeting tickets        | \$ 4,842.00           |             | \$ 4,294.50         |              | \$ 2,000.00         |              | \$ 891.00           |               | \$ 3,342.50         | \$ 3,000.00           |     |
| Membership Dues                 | \$ 1,868.52           |             | \$ 3,143.10         |              | \$ 2,500.00         |              | \$ 2,835.00         |               | \$ 2,615.54         | \$ 2,600.00           |     |
| Merchandise/publication sales   | \$ 4,110.84           |             | \$ 3,597.26         |              | \$ 4,100.00         |              | \$ 4,161.87         |               | \$ 3,956.66         | \$ 4,000.00           |     |
| Clothing                        |                       | \$ 333.33   |                     | \$ 190.59    |                     | \$ 350.00    |                     | \$ 1,032.87   | \$ 518.93           | \$ 1,000.00           |     |
| Publications                    |                       | \$ 3,777.51 |                     | \$ 3,406.67  |                     | \$ 3,750.00  |                     | \$ 3,129.00   | \$ 3,437.73         | \$ 3,000.00           |     |
| Society Open House honorarium   |                       |             | \$ 2,492.72         |              | \$ 2,500.00         |              | \$ 4,113.76         |               | \$ 3,303.24         | \$ 4,000.00           |     |
| Corporate sponsorship           | \$ 400.00             |             | \$ 500.00           |              | \$ 500.00           |              | \$ -                |               | \$ 300.00           | \$ 300.00             |     |
| Dr. Don Kent Core Workshop      | \$ -                  |             | \$ 15,000.00        |              | \$ 15,000.00        |              | \$ 16,100.00        |               | \$ 10,366.67        | \$ -                  |     |
| Bi-annual grant                 |                       | \$ -        |                     | \$ 15,000.00 |                     | \$ 15,000.00 |                     | \$ 15,000.00  | \$ 10,000.00        | \$ -                  |     |
| APEGS sponsorship               |                       | \$ -        |                     | \$ -         |                     | \$ -         |                     | \$ 1,100.00   | \$ 366.67           | \$ -                  |     |
| <b>EXPENSE</b>                  | <b>\$ 46,303.94</b>   |             | <b>\$ 48,941.84</b> |              | <b>\$ 32,217.30</b> |              | <b>\$ 32,515.54</b> |               | <b>\$ 42,587.11</b> | <b>\$ 46,265.00</b>   |     |
| Accounting                      | \$ 7,536.14           |             | \$ -                |              | \$ -                |              | \$ -                |               | \$ 2,512.05         | \$ 5,000.00           |     |
| Bookkeeping                     |                       | \$ 6,936.14 |                     | \$ -         |                     | \$ -         |                     | \$ -          | \$ 2,312.05         | \$ -                  |     |
| Income Tax Filing               |                       | \$ 600.00   |                     | \$ -         |                     | \$ -         |                     | \$ -          | \$ 200.00           | \$ -                  |     |
| Review Engagement report        |                       | \$ -        |                     | \$ -         |                     | \$ -         |                     | \$ -          | \$ -                | \$ 5,000.00           |     |
| Annual General Meeting          | \$ 3,453.41           |             | \$ 2,935.84         |              | \$ -                |              | \$ -                |               | \$ 2,129.75         | \$ 4,500.00           |     |
| Awards/Grants                   | \$ 2,406.75           |             | \$ 1,853.44         |              | \$ 1,700.00         |              | \$ 850.00           |               | \$ 1,703.40         | \$ 2,400.00           |     |
| Poster awards                   |                       | \$ -        |                     | \$ 900.00    |                     | \$ 900.00    |                     | \$ 500.00     | \$ 466.67           | \$ 900.00             |     |
| Robert Milner Award             |                       |             |                     | \$ 250.00    |                     | \$ 250.00    |                     | \$ -          | \$ 83.33            | \$ 350.00             |     |
| Walter Kupsch Award             |                       |             |                     | \$ 350.00    |                     | \$ 350.00    |                     | \$ 350.00     | \$ 233.33           | \$ 350.00             |     |
| Travel and accommodation        |                       |             |                     | \$ 152.80    |                     | \$ -         |                     | \$ -          | \$ 50.93            | \$ 600.00             |     |
| Postage and Engraving           |                       | \$ 2,406.75 |                     | \$ 200.64    |                     | \$ 200.00    |                     | \$ -          | \$ 869.13           | \$ 200.00             |     |
| Calendar (printing & mailing)   | \$ 4,281.07           |             | \$ 4,259.58         |              | \$ 4,260.00         |              | \$ 4,929.98         |               | \$ 4,490.21         | \$ 5,000.00           |     |
| Christmas Party                 | \$ -                  |             | \$ -                |              | \$ -                |              | \$ -                |               | \$ -                | \$ -                  |     |
| Clothing                        | \$ -                  |             | \$ -                |              | \$ -                |              | \$ -                |               | \$ -                | \$ -                  |     |
| Curling bonspiel                | \$ 416.77             |             | \$ 516.80           |              | \$ -                |              | \$ -                |               | \$ 466.79           | \$ 600.00             |     |
| Digital Highway Map             |                       |             | \$ 2,608.97         |              | \$ 350.00           |              | \$ 318.00           |               | \$ 975.66           | \$ 325.00             |     |
| Web hosting & software fees     |                       |             |                     | \$ 682.97    |                     | \$ 350.00    |                     | \$ 159.00     | \$ 280.66           | \$ 325.00             |     |
| Development                     |                       |             |                     | \$ 1,926.00  |                     | \$ -         |                     | \$ 159.00     | \$ 695.00           | \$ -                  |     |
| Education & Outreach            | \$ 2,232.39           |             | \$ 4,715.15         |              | \$ 1,000.00         |              | \$ -                |               | \$ 2,315.85         | \$ 1,000.00           |     |
| Open House Public Lecture       |                       | \$ -        |                     | \$ 368.25    |                     | \$ -         |                     | \$ -          | \$ 122.75           | \$ -                  |     |
| School talk bussing             |                       | \$ 1,478.61 |                     | \$ 1,073.83  |                     | \$ -         |                     | \$ -          | \$ 850.81           | \$ -                  |     |
| Lesson plan development         |                       | \$ 753.78   |                     | \$ 1,717.72  |                     | \$ 1,000.00  |                     | \$ -          | \$ 823.83           | \$ 1,000.00           |     |
| Geoscape website                |                       | \$ -        |                     | \$ -         |                     | \$ -         |                     | \$ -          | \$ -                | \$ -                  |     |
| Regina Science Fair             |                       | \$ -        |                     | \$ -         |                     | \$ -         |                     | \$ -          | \$ -                | \$ -                  |     |
| Regina Public Lecture           |                       | \$ -        |                     | \$ 1,309.95  |                     | \$ -         |                     | \$ -          | \$ 436.65           | \$ -                  |     |
| Speaker gifts                   |                       | \$ -        |                     | \$ 245.40    |                     | \$ -         |                     | \$ -          | \$ 81.80            | \$ -                  |     |
| Field Trip                      | \$ 10,545.08          |             | \$ 11,002.48        |              | \$ 10,000.00        |              | \$ 10,347.08        |               | \$ 10,631.55        | \$ 11,000.00          |     |
| Grants and sponsorship          | \$ 250.00             |             | \$ 325.00           |              | \$ 450.00           |              | \$ -                |               | \$ 191.67           | \$ 450.00             |     |
| Open House student subsidy      |                       |             |                     | \$ 75.00     |                     | \$ 200.00    |                     | \$ -          | \$ 25.00            | \$ 200.00             |     |
| Regina Geotechnical Group       |                       | \$ 250.00   |                     | \$ 250.00    |                     | \$ 250.00    |                     | \$ -          | \$ 166.67           | \$ 250.00             |     |
| Golf tournament (and BBQ)       | \$ 399.25             |             | \$ 1,457.55         |              | \$ 1,000.00         |              | \$ 2,239.15         |               | \$ 1,365.32         | \$ 1,000.00           |     |
| Luncheon meeting (catering)     | \$ 7,567.34           |             | \$ 8,277.56         |              | \$ 4,000.00         |              | \$ 1,829.11         |               | \$ 5,891.34         | \$ 4,000.00           |     |
| Speaker Expenses                | \$ 4,282.84           |             | \$ 3,635.00         |              | \$ 2,500.00         |              | \$ 242.56           |               | \$ 2,720.13         | \$ 3,000.00           |     |
| Accommodation                   |                       | \$ 769.77   |                     | \$ 1,205.25  |                     | \$ 500.00    |                     | \$ -          | \$ 658.34           | \$ 500.00             |     |
| Food                            |                       | \$ 1,824.19 |                     | \$ 352.12    |                     | \$ 500.00    |                     | \$ 242.56     | \$ 806.29           | \$ 500.00             |     |
| Travel                          |                       | \$ 319.97   |                     | \$ 1,124.17  |                     | \$ 500.00    |                     | \$ -          | \$ 481.38           | \$ 500.00             |     |
| Speaker gifts                   |                       | \$ 638.91   |                     | \$ 953.46    |                     | \$ 500.00    |                     | \$ -          | \$ 530.79           | \$ 1,000.00           |     |
| Misc. (honorariums, AAPG)       |                       | \$ 730.00   |                     | \$ -         |                     | \$ 500.00    |                     | \$ -          | \$ 243.33           | \$ 500.00             |     |
| Professional & Operational fees | \$ 1,291.78           |             | \$ 2,748.17         |              | \$ 2,631.30         |              | \$ 4,616.11         |               | \$ 2,885.35         | \$ 3,490.00           |     |
| Customer refunds                |                       | \$ -        |                     | \$ 74.15     |                     | \$ -         |                     | \$ 1,260.00   | \$ 444.72           | \$ -                  |     |
| Quickbooks Online               |                       | \$ 156.00   |                     | \$ 686.98    |                     | \$ 850.00    |                     | \$ 1,255.04   | \$ 971.01           | \$ 1,300.00           |     |
| Stripe Fees                     |                       | \$ 363.49   |                     | \$ 345.45    |                     | \$ 400.00    |                     | \$ 502.63     | \$ 403.86           | \$ 525.00             |     |
| Insurance                       |                       | \$ 772.29   |                     | \$ 1,366.30  |                     | \$ 1,366.30  |                     | \$ 1,483.60   | \$ 1,207.40         | \$ 1,550.00           |     |
| Business licenses and fees      |                       | \$ -        |                     | \$ 15.00     |                     | \$ 15.00     |                     | \$ 15.00      | \$ 10.00            | \$ 15.00              |     |
| Sympathy gifts                  |                       | \$ -        |                     | \$ -         |                     | \$ -         |                     | \$ 99.84      | \$ 33.28            | \$ 100.00             |     |
| Bank Fees                       |                       | \$ -        |                     | \$ 260.29    |                     | \$ -         |                     | \$ -          | \$ 86.76            | \$ -                  |     |
| Postage & mail box rental       | \$ 450.00             |             | \$ 265.47           |              | \$ 350.00           |              | \$ 227.99           |               | \$ 314.49           | \$ 300.00             |     |
| Society Open House expense      | \$ -                  |             | \$ 1,430.56         |              | \$ 1,400.00         |              | \$ 3,020.92         |               | \$ 2,225.74         | \$ 3,000.00           |     |
| Publications (printing)         | \$ 100.00             |             | \$ 44.97            |              | \$ 100.00           |              | \$ -                |               | \$ 48.32            | \$ 50.00              |     |
| Website                         | \$ 636.00             |             | \$ 636.00           |              | \$ 636.00           |              | \$ 596.25           |               | \$ 622.75           | \$ 700.00             |     |
| Lunches for executive meetings  | \$ 455.12             |             | \$ 700.24           |              | \$ 300.00           |              | \$ 245.68           |               | \$ 467.01           | \$ 450.00             |     |
| WBPC workshop                   | \$ -                  |             | \$ 1,529.06         |              | \$ 1,540.00         |              | \$ 3,052.71         |               | \$ 1,527.26         | \$ -                  |     |
| Catering                        |                       | \$ -        |                     | \$ 1,251.12  |                     | \$ 1,250.00  |                     | \$ 1,858.61   | \$ 1,036.58         | \$ -                  |     |
| Printing                        |                       | \$ -        |                     | \$ 262.61    |                     | \$ 270.00    |                     | \$ 1,194.10   | \$ 485.57           | \$ -                  |     |
| Shipping                        |                       | \$ -        |                     | \$ 15.33     |                     | \$ 20.00     |                     | \$ -          | \$ 5.11             | \$ -                  |     |



**SASKATCHEWAN GEOLOGICAL SOCIETY**  
Proposed Budget 2023



| <i>Saskatchewan Geological Open House</i> |              |              |              |                |               |
|---|--------------|--------------|--------------|----------------|---------------|
|   | 2018 Actual  | 2019 Actual  | 2022 Actual* | 3-year average | 2023 Proposed |
|   | Main         | Main         | Main         |                | Main          |
| <b>NET SURPLUS/LOSS</b>                   | \$ 4,519.67  | \$ 2,140.57  | \$ 3,070.23  | \$ 3,243.49    | \$ (4,850.00) |
| <b>INCOME</b>                             | \$ 83,090.00 | \$ 84,350.00 | \$ 87,691.00 | \$ 85,043.67   | \$ 85,050.00  |
| Exhibitor booths                          | \$ 42,525.00 | \$ 47,040.00 | \$ 47,040.00 | \$ 45,535.00   | \$ 45,500.00  |
| Short course registration                 | \$ 16,065.00 | \$ 12,810.00 | \$ 17,150.00 | \$ 15,341.67   | \$ 15,350.00  |
| Sponsorship/Grants                        | \$ 24,500.00 | \$ 24,500.00 | \$ 23,500.00 | \$ 24,166.67   | \$ 24,200.00  |
| <b>EXPENSE</b>                            | \$ 78,570.33 | \$ 82,209.43 | \$ 84,620.77 | \$ 81,800.18   | \$ 89,900.00  |
| A/V                                       | \$ 5,700.96  | \$ 6,634.07  | \$ 8,763.45  | \$ 7,032.83    | \$ 8,800.00   |
| Badges, lanyards & totes                  | \$ 610.67    | \$ 3,172.67  | \$ 1,643.87  | \$ 1,809.07    | \$ 2,000.00   |
| Conference venue & catering               | \$ 48,556.75 | \$ 46,624.30 | \$ 50,896.68 | \$ 48,692.58   | \$ 51,000.00  |
| Displays                                  | \$ 10,166.67 | \$ 11,362.00 | \$ 11,282.22 | \$ 10,936.96   | \$ 11,500.00  |
| Program printing                          | \$ 624.75    | \$ 624.75    | \$ 990.04    | \$ 746.51      | \$ 1,000.00   |
| Short course                              | \$ 3,357.59  | \$ 5,950.17  | \$ 956.99    | \$ 3,421.58    | \$ 4,000.00   |
| Signs                                     | \$ 688.39    | \$ 1,204.35  | \$ 1,316.66  | \$ 1,069.80    | \$ 1,300.00   |
| SK Geol. Society honorarium & expenses    | \$ 4,788.71  | \$ 2,492.73  | \$ 4,113.76  | \$ 3,798.40    | \$ 4,000.00   |
| Fees (PayPal/Stripe)                      | \$ 2,331.20  | \$ 2,332.84  | \$ 2,543.39  | \$ 2,402.48    | \$ 2,600.00   |
| Insurance                                 | \$ 697.06    | \$ 684.34    | \$ 864.96    | \$ 748.79      | \$ 900.00     |
| Website                                   | \$ 1,047.58  | \$ 1,127.21  | \$ 1,248.75  | \$ 1,141.18    | \$ 2,800.00   |

*\*Some items are outstanding/estimates at the time of publication*