



Saskatchewan Geological Society

2019

ANNUAL REPORT

Submitted at Annual General Meeting

February 15, 2020

Saskatchewan Geological Society

2019 Annual Report

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1. President's Report, 2019

2019 is the 69th year of activities for our Regina-based Saskatchewan Geological Society. As the following Executive and Committee reports show, this year the Society has remained active with regards to its operations, both social and technical. I urge you to read these reports at your leisure. I will briefly mention them here while noting that, in truth, I had very little to do with the various initiatives other than to enjoy them. So many of our dedicated volunteers take care of these things, largely untroubled by a changing executive branch.

Historically, Society activities have comprised our **technical lecture series and field trip program**. These are the life-blood of our Society, serving the membership with both informative technical and networking opportunities. Friendships are made at these lectures and on these field trips. With 14 well-attended lecture sessions and a fully subscribed field trip to neighboring Manitoba, the year again cruised along as we have come to expect. We have been spoiled by this I believe.

The Society engages both the mining and oil and gas industries active in the Province with involvement and co-sponsorship of two multi-day events; the **Williston Basin Petroleum Conference** held in Regina every second year (this year coordinated by the Petroleum Technology Research Centre), and the **Saskatchewan Geological Survey's Annual Open House** held in late fall in Saskatoon and showcasing Survey and mining activities. At the Williston Basin event, our Society traditionally runs an Oil & Gas Core Conference that generates significant income to our coffers. At the Saskatoon Open House, we sponsor and run a technical poster session at which geology students from both University of Saskatchewan in Saskatoon and University of Regina "show & tell" their honours or graduate projects. We also, when possible, take further advantage of this Saskatoon Open House opportunity to offer a free admission, general public geological lecture as part of the Society's Education and Outreach initiative (in this year's case, a talk on 'armored dinosaurs' by Dr. Caleb Brown from the Tyrrell Museum in Drumheller). The Society remains very appreciative of both opportunities to promote geoscience to both industry and the public.

The **Education and Outreach** effort is active in Regina as well, with its spring school program bringing elementary school kids in for a two-day primer on things geological, as well as a free public lecture (this year on a geothermal energy theme by consultant, Dr. Kathy Hickson). Other "Outreach-type" initiatives aimed at a public audience include an **annual geological calendar**, this year being the 5th printing, and a new project this year, the **Digital Geological Highway Map**, which updates and modernizes the 2002 paper Geological Highway Map into a digital format. Technical production is being provided mainly by Society and Survey geologists, with mainly financial support from APEGS, Sask. Mining Association, and Sask Tourism. Stay tuned for this new product.

And finally, the Society runs three social events for its mainly Regina-based membership; namely a March **Curling Bonspeil**, an early September **Golf Tournament**, and this event, the **Annual General Meeting**. The first two provide opportunities for willing members to gather and make fools of themselves either on the golf course or on the curling rink. The AGM is our yearly opportunity to review the past year, consider the upcoming year, and conduct both our Student Awards (Open House Poster Session winners and Outstanding Geology Student Awards from both UofS and Uof R) and Membership awards (Honour Roll Inductees).

As the following "Treasurer's report" shows, the finances gained from membership fees, corporate sponsorships, APEGS and SMA support, and core conference income have been remarkably stable for a number of years now and allow us to continue the activities described in this Annual Report. And that is not counting the astonishing & very generous \$20,000 honorarium donated to the Society last year by Ms. Anne Fuzesy and family for the furtherance of the annual Student Poster Session Awards and particularly the Dr. Lazlo Fuzesy Award (best

Graduate Student Poster at the Saskatoon Open House). Again, a heartfelt thank you to the Fuzesy Family for this remarkable donation. Money matters seem to be well in hand.

The other necessary driver for the continuation of the Society's programs is our volunteer power. With an active membership of about 100 or so, many not living in Regina, this volunteer base is limited and always has been. As President this past year, I have had a front row seat to see the considerable volunteer effort required to pull all these things off, whether it be in Executive positions or the various Committees. Over the years, we have expanded our activities far beyond the original lecture series / field trip events to include all the other things summarized in this Annual Report, with a concomitant increase in volunteer power. And it appears to me that if there is a risk in our Society faltering, as so many other similar organizations have in the past decade or so, it lies in us outstripping this volunteer power. We should keep this in mind as our Society moves forward, to make sure that volunteering is, at the very least fulfilling, hopefully a joy, and never a chore or duty. The Executive Treasurer position is on the vanguard concerning this fear.

We have to admit our Society is aging, as is our active membership, as is our potential volunteer base. The executive this year has endeavored to sustain both by trying to particularly engage our younger professionals and students. We continue to offer student discounts to our activities, this year we renewed a program to offer travel support to students from both LaRonge and Regina to attend the Saskatoon Open House, we are hoping to include U of S Ore Gangue Geology Club members in our talk and field trip notices as "guest members", we have tried to advertise to our membership the geological lecture series run by the U of R geology department and to more closely engage with the University with co-sponsored lectures. We have a long way to go with these initiatives; I'm hopeful that we will win more battles this coming year. The vitality of our Society most depends on its membership, on their enthusiasm, their active engagement in and passion for our science. By keeping the membership vital and engaged, I'm hoping we can look forward to another exciting 69 years of operations. Time to get started.

Finally, a heartfelt thanks to my amazing Executive this year, and to all the others, past and present, who have selflessly donated their invaluable time to our Society in order to get us here.

It was an honour and pleasure to be el Presidente this year.

Cheers.

Mike Thomas

2. Vice-President's Report, 2019

The Saskatchewan Geological Society's membership for 2019 came to a total of 188 registered memberships plus 22 corporate members. The table below shows a summary of the memberships since 2011.

MEMBERSHIP TYPE / YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019
ACTIVE – LIFETIME – EMERITUS	107	66	87	106	103	108	95	88	109
STUDENT	117	58	67	80	65	89	75	54	72
CORPORATE	6	3	2	14	20	17	3	17	22
AMATEUR - INFO - HONORARY	4	3	4	7	9	2	0	0	7
TOTAL	234	130	160	207	197	216	171	159	210

2019 brought in more memberships compared to the past few years. Active members grew from 51 active memberships in 2018 compared to 73 active memberships in 2019. We also have more student memberships due to the ongoing strength of the D.M. Kent Club. There was also an increase in honorary memberships along with an amateur member. As in past years, corporate memberships for 2019 were driven mainly by sponsorship in the 2020 edition of the Saskatchewan Geology Calendar.

The corporate members help support the Society and the Society graciously thanks them for this support. The 2019 corporate and calendar sponsors are listed below.

Aima Petra Geological Consulting Ltd

Association of Professional Engineers and Geoscientists of Saskatchewan

Caprice Resources Ltd

Dave Thomas

Dennison Mines

Fire Sky Energy Inc.

Foran Mining Corporation

Hy-Tech Drilling

IsoEnergy Ltd

J.D. Mollard and Associates

J.P Baker

Lonestar Directional Inc.

North American Helium Inc.

Petroleum Technology Research Centre

PrintWest Osprey Wings Ltd

Rio Tinto Canada

Robertson Trading Company

RESPEC

SSR Mining Seabee

Saskatchewan Mining Association

Saskatchewan Research Council

This society has excellent members who contribute and help ensure the growth of our society. I want to thank everyone who, by attending all the events, trips, and lunch talks of 2019 made the Society flourish. 2019 was a fantastic year for the society, and I know 2020 will be another one to remember. All the best in 2020!

Regards,

Taylor Forsyth

3. Business Manager's Report 2019:

The 2018 AGM was held on February 2, 2019 at the Travelodge Hotel. The event organizer at this venue was (and is) very helpful and efficient. The business meeting was a success, as was the following banquet. There were 65 guests registered for the event and all but a few showed up. Our speakers that night, Dave MacDougal, Dave Thomas and Monica Cliveti did a fantastic job. A big thanks goes to them, and to Murray Rodgers for organizing all the student awards. The Society was pleased to host Anne Fuzesy, Tom Fuzesy and his son Nicholas, as they generously donated \$20 000.00 to the Society on behalf of the late Lazlo Fuzesy; the donation will be used to fund student poster awards.

Following the AGM in February, the Society hosted the Annual Curling Bonspiel on March 9, 2019. The event was co-hosted with the D. M. Kent Club and held at the Caledonian Curling Club. There were 5 teams of regular SGS members, 4 teams from the University of Regina, and one team that travelled all the way from the University of Saskatchewan in Saskatoon. In all, there were 42 curlers. Best costume award went to Dillon Johnstone, Kayla Johnstone, Celine Chow, Amber Sprague, and Ryan Haddow, who dressed in the time-honoured Canadian Tuxedo. Not surprisingly, our President Mike Thomas, was sporting the same classic look. The final came down to Jeff Coolican, Ryan Morelli, Samantha Van De Kerckhove and Brendin Sand versus the Ore Gangue team (U of S) composed of Matt Fellwock, Lyndsay Hauber, Curtis Overholt, Mark Weir and Mikhail Chutskoff. The game was tied up after three ends forcing the players into a fourth and final end. The game finished with a stone of each colour in the house, sitting nearly equidistance from the button. The measuring tool had the final say, declaring Jeff, Ryan, Sam and Brendin the winners by only 2 millimeters. Thanks to everyone who came out and made this such a fun event! Curling is booked again for this upcoming year on March 21st, so mark your calendars.

After a one-year hiatus, the annual golf tournament was revived this fall, thanks to the enthusiasm of Monica Cliveti. It took place on September 6, with 36 golfers including students, U of R faculty, Survey Geologists and members from the private sector. First place was claimed by an all-student team: Jack Easton, Nicole Kerbs, Evan Noll, and Jimmy Smith, with Jimmy Smith also claiming the longest drive prize in the Men Category. The team that had most to improve was a mixed team student-faculty from U of R: Monica Cliveti, Daniel Ferguson, Maria Velez and and Jeremy Zver. The longest drive in the Female Category was awarded to Kathryn Bethune. The day ended up with a BBQ at Kim & Deb Kreis's residence. The BBQ was well attended with fifty-one people participating. There was a little bit of everything for everyone: lawn games, prizes for the golfers and a bonfire to end the night. Big thanks to all the golfers and BBQ attendees, and an even bigger thanks to Monica, Kim and Deb for organizing and hosting!

Respectfully Submitted,

Ms. Samantha Van De Kerckhove

Business Manager

4. TREASURER'S REPORT

This is an unaudited financial report for the 2019 fiscal year, which began on January 1st, 2019 and ended on December 31st, 2019. The *2019 Balance Sheet*, *2019 Profit and Loss Statement* and *2020 Budget* are presented at the end of this report. What follows are the highlights of the Society's financial activity during the 2019 fiscal year.

The table below summarizes the net income/expense of our annual operations, bi-annual income, and one-time donations/sponsorship in 2019.

Summary of Income and Expense for 2019

One-time income	Income		Expense		Net
DGHM	\$	9,090.00	\$	2,608.97	\$6,481.03
Fuzesy donation	\$	20,000.00	\$	-	\$20,000.00
Total	\$	29,090.00	\$	2,608.97	\$26,481.03

Bi-annual income	Income		Expense		Net
WB Core Workshop	\$	15,000.00	\$	1,529.06	\$13,470.94
Total	\$	15,000.00	\$	1,529.06	\$13,470.94

Annual operations	Income		Expense		Net
AGM/Awards Dinner	\$	1,880.00	\$	2,935.84	-\$1,055.84
AGM awards	\$	-	\$	1,853.44	-\$1,853.44
Annual APEGS Grant	\$	4,000.00	\$	-	\$4,000.00
Corp. sponsorship	\$	500.00	\$	-	\$500.00
Curling bonspiel	\$	670.00	\$	516.80	\$153.20
Field trip	\$	8,000.00	\$	11,002.48	-\$3,002.48
Geological calendar	\$	4,340.38	\$	4,259.58	*\$80.80
General operations	\$	-	\$	4,349.88	-\$4,349.88
Golf tournament/BBQ	\$	1,310.00	\$	1,457.55	-\$147.55
Luncheon talks	\$	4,294.50	\$	11,912.56	-\$7,618.06
Membership	\$	3,143.10	\$	-	\$3,143.10
Outgoing sponsorship	\$	-	\$	325.00	-\$325.00
Outreach/education	\$	5,063.06	\$	4,715.15	\$347.91
Open House honorarium	\$	2,492.72	\$	1,430.56	\$1,062.16
Publications/merchandise	\$	3,597.26	\$	44.97	\$3,552.29
	\$	39,291.02	\$	44,803.81	-\$5,512.79

Grand Total	\$	83,381.02	\$	48,941.84	\$34,439.18
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* Some income outstanding.

In 2019, without considering the operating budget for the Saskatchewan Geological Open House, the Society ran an overall net surplus of \$34,439.18, with expenditures \$8,313.69 lower than budgeted and income \$29,888.30 more than budgeted. The decrease in expenditures is primarily due to savings of \$5,100.00 in budgeted accounting costs that the Society decided to forgo in 2019. Going forward, the Society will not use professional accounting services and will continue to vote annually on whether to have a Review Engagement conducted. The increase from the budgeted income is primarily due to a \$20,000.00 donation from the Fuzesy family to support the Laszlo Fuzesy Graduate Student Poster Award and a \$9090.00 sponsorship from APEGS for the development and maintenance of the Digital Geoscience Highway Map (DGHM). These funds, which total \$29,090.00, are held in separate accounts from the Society's main operating account for the purpose of managing and using them for their specific intent.

In 2019, major income (net) contributing to the Society's annual operation balance included:

- 1) the bi-annual Williston Basin Core Workshop Grant (\$15,000.00); and
- 2) the annual APEGS Constituent Members Grant (\$4,000.00); and
- 3) publications and merchandise sales (\$3,597.26), the majority of which is via online sales of digital publications through the AAPG Datapages website; and
- 4) annual membership fees (\$3,143.10).

Major expenses (net) contributing to the Society's 2019 annual operation balance included:

- 1) luncheon talks and speaker expenses (-\$7,618.06); and
- 2) general operations expenses (-\$4,349.88), such as website hosting, liability insurance, Quickbooks online, Stripe, catering for executive meetings, etc.; and
- 3) the annual field trip (-\$3,002.48); and
- 4) the annual AGM dinner (-\$1,055.84) and Awards (-\$1,853.44).

All other Society operations and events netted a modest deficit or profit. Of note is our Education and Outreach account, which received \$2563.06 from the Canadian Geological Foundation and \$2500 from APEGS, for a total of \$5,063.06 in sponsorship for 2019. This was sufficient to cover the cost of the School Lecture, Regina Public Lecture and Open House Public Lecture.

The Society reports a surplus of \$7,958.15 for our 2019 operations (excludes one-time donations and sponsorships) and as of Dec 31st, 2019, the Society held a positive balance of \$33,928.24 in our general operations account. It should be noted that the surplus is largely due to the bi-annual Williston Basin Core Workshop \$15,000.00 grant, which without, the Society's annual operations for 2019 netted a deficit of \$5,512.79. Going forward, the 2019 surplus will be used to offset the projected deficit for 2020 (see 2020 Budget below).

What follows are a few notes on funds in the Society bank account that can only be used for specific purposes:

- 1) Laszlo Fuzesy Student Poster Award: Mr. Tom Fuzesy, on behalf of his mother, Ms. Anne Fuzesy and sister Mary, announced a \$20,000 endowment to the Society for the upkeep of the Laszlo Fuzesy Award which is presented annually to the best Graduate Student Poster at the Saskatchewan Geological Open House. The Society will use the funds to support the award for years to come.
- 2) Digital Geoscience Highway Map: APEGS provided a \$9090.00 sponsorship for the development and maintenance of the DGHM.
- 3) Saskatchewan Geological Open House: The conference is meant to be run each year 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. The conference made a profit of \$2140.57, and will have a balance of \$55,530.71 in their "account" after all the bills for the 2019 event have been paid.

The Society renewed its TD one-year cashable GIC in April, 2019. As of December 31st, 2019, the GIC had a value of \$32,119.36 and an interest rate of 1.5%. The GIC will renew automatically at the end of each term, unless we decide otherwise.

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 2019, without including Open House, are \$48,977.30; thus, the Society needs between \$12,250 and \$24,500 in reserves. The Society currently has \$33,928.24 in its general account and \$32,119.36 in a GIC, for a total of \$66,047.60, and thus has an acceptable amount of money going forward into 2020.

For the 2020 Budget, the Saskatchewan Geological Open House budget was produced separately because the conference is meant to run as a break-even event and the income and expenses are kept separately and thus have no bearing on the

income and expenses of the general Society finances. The Society is projected to run a deficit of \$12,527.30 in 2020. A portion of this deficit will be offset by the bi-annual Williston Basin Core Workshop Grant the Society received in 2019.

Respectfully submitted,
Dillon Johnstone, Treasurer

5. PROGRAM CHAIR'S REPORT 2019

The SGS Speaker Program hosted a total of 14 speakers in 2019. These technical talks included a wide variety of topics. As in other years, our society has been very fortunate to have the support of a diverse community of geological expertise. The list of speakers this year came from the University of Regina, University of Saskatchewan, the Saskatchewan Geological Survey, Industry, the CIM, the Society of Economic Geologists, the Howard Street Robinson Lecture Tour, the AAPG and the Royal Tyrell Museum. On behalf of the Saskatchewan Geological Society we thank all of the speakers and their organizations for their generous support of our Speaker Program. We also want to recognize the support of our Speaker Program by our membership through attendance of these talks and field trips, and their suggestions of potential speakers to our program. Your participation is crucial to the success of this program and is very much appreciated!

The following is a list of the talks hosted by the SGS in chronological order in 2019:

January 24/19, Dr. Alan J. Wilson (Society of Economic Geologists International Exchange Lecture 2018), Porphyry Copper Deposits: Field Criteria for Exploration and Resource Potential Evaluation.

January 30/19, Dr. Arnfinn Prugger (CIM Distinguished Lecturer), Scissors Creek: The First Potash Shaft Successfully Completed in Saskatchewan Since 1979.

February 13/19, John Lake (Lake Geological), Great Salt Lake Microbialites Past and Present.

February 27/19 Alec Pollard (Saskatchewan Geological Survey), The depositional environment of Miocene aged carbonates from the Central Range, Trinidad: Facies of an underexplored reservoir.

March 15/19, Dr. Derek Thorkelson (Howard Street Robinson Lecture Tour on Behalf of the Geological Association of Canada), The Precambrian Secrets of Yukon.

April 4/19, Dr. Luis A. Buatios (University of Saskatchewan), Animals at work: The trace-fossil record of substrate modification in space and time.

April 17/19, Daniel Soeder, Understanding the Environmental Impacts of Tight Oil and Shale Gas Development

May 9/19, David MacDougall, (Retired-Saskatchewan Geological Survey), A Geological Tour of Connemara, Joyces Country and South Mayo, Ireland.

September 25/19, Dan Kohlruss (Saskatchewan Petroleum Geology Branch of the Saskatchewan Geological Survey), Spelunking in the Madison Group and Success Formation of West-Central Saskatchewan.

October 23/19, Dr. Brad J. Hayes, (AAPG Visiting Petroleum Geoscientist), Unconventional Oil and Gas Plays in Canada and Around the World.

November 6/19, JoAnne Nelson, (Emeritus Scientist with the British Columbia Geological Survey), British Columbia's "Golden Triangle": Arc-axial Porphyry Belt, or Mineralized Deep-crustal corridor?

November 7/19, Dr. Jurgen Kraus, (Consultant), The Geology and Culture of Beer Tasting.

November 20/19, Dave Thomas, (Consultant), The Main Karoo Basin, South Africa: Tectonic Setting, Stratigraphic Framework and Uranium Endowment.

December 2/19, Dr. Caleb Brown (Royal Tyrell Museum), Public Lecture at the Delta Bessborough Hotel in Saskatoon, Saskatchewan., “The Sleeping Dragon” the World’s Best-preserved Armoured Dinosaur.

Field Trip, August 22nd – 25th, Manitoba, Scott Anderson (Industry geologist) lead us around the Bissett area while Michelle Nicolas and Kathryn Lapenskie of the Manitoba Geological Survey lead us around to outcrops of Cretaceous and Devonian rocks.

Planning for the SGS 2019 Speaker Program is underway, with Alec Pollard from the Subsurface Geological Laboratory leading off our program with a technical talk entitled, “Widespread Pedogenesis of Early Mississippian Carbonate Sand Bodies, Williston Basin, Saskatchewan, Canada”

Thanks to all,

Kim Kreis and Alec Pollard, Program Co-Chairs

6. COMMITTEE REPORTS

Education and Outreach Committee (EOC) Report

Members: Kate MacLachlan (chair) and Fran Haidl

As chair of the committee I would like to thank all the committee members and volunteers who have helped to undertake our various activities. I look forward to serving as chair again in 2020.

Geoscape Southern Saskatchewan

The lesson plans have been updated with a new format and current curriculum links and have been posted to the Geoscape tab of the SGS website <https://sgshome.ca/outreach/geoscape-saskatchewan>. Work is progressing on completing additional lesson plans as well as adding links in the already complete lesson plans, which reference the new digital geological highway map website. This work will be ongoing in 2020.

School Lecture

In 2019 the school lectures were held at Miller High School on April 30th and May 1st. This year attendance was limited to about 160 students per session (650 total) to facilitate the inclusion of hands-on activities. The topic was Geothermal Energy, presented by Dr. Catherine Hickson, President of *Geothermal Canada*. Once again this year we offered funding for bussing, which contributed to the excellent turnout. We received \$1500 sponsorship from APEGS, towards the cost of the event. The bussing cost was covered by the 2018 CGF grant.

I would like to acknowledge all the help and support from school board consultants who are an essential part of the planning committee for this event. I particularly want to thank all the volunteers that helped out with the hand-on activities. Every year we hear from teachers how valuable that part of the event is. We could not undertake the activities without you. Thank you very much and stay tuned for the call for volunteers in 2019.

Public Lectures

We were thrilled that Dr. Hickson agreed to give a public lecture in addition to the school lectures. It was held on Monday April 29th at the Royal Saskatchewan Museum. The talk was well attended and there were lots of great questions. If anyone have ideas for high quality speakers for public lectures in 2020, please contact any of the 2020 SGS executive.

We also held a public lecture in conjunction with the Geological Open House in Saskatoon; *The unlikely story of the sleeping dragon, the world's best preserved armored dinosaur*. Given by Caleb Brown, Curator of Dinosaur Systematics and Evolution at the Royal Tyrell Museum. Thanks to Ralf Maxeiner for arranging the speaker and to Meagan Gilbert for hosting and introducing the speaker. As usual the dinosaur theme brought a great turnout, estimated at of about 150-200 people, 80% of which were general public and kids. We would like to thank APEGS and SMA for co-sponsoring this public lecture.

Respectfully submitted,
Kate MacLachlan
EOC Chair

Field Trip Committee Report, 2019

This year we ventured to Manitoba for our Annual Field Trip (August 22-26, 2019). 19 Members and no students participated. The Alberta and Manitoba participants caught up with us at the Winnipeg Airport: North Dakota participants in Bisett. Dr. Scott Anderson (Havilah Mining Co.) showed us the regional Geology of the Archean Rice Lake Greenstone Belt surrounding the Gold Mine at Bisett. The outcrops were exposed by a recent forest fire. The gold was concentrated in tension fractures and the gold has been mined to the 5000' level. We visited the original gold discovery outcrop on the shores of Rice Lake that was discovered before the First World War. An impressive quarry of Ultramylonite had a pebble stretch ratio of 100:1 and made the pebbles look like bedding laminations. We stayed at Northern Wings Bed and Breakfast upon arriving in Bisett. The friendly atmosphere and excellent food set the mood for the rest of the Field Trip.

We checked out the Middle Devonian Winnipegosis Reefs on day two. Michelle Nicolas and Kathryn Lapenski (Manitoba Science, Technology, Energy and Mines/ Manitoba Geological Survey) did an excellent job of showing us the variations of basin centre to margin Reef development through time. We saw Winnipegosis, Elm Point and Dawson Bay Formation outcrops from the Narrows to Dauphin. The stromatoporoid reef as well as collapse breccias associated with salt dissolution were especially impressive.

On day three Michelle Nicolas showed us the Cretaceous section from Riding Mountain to Morden (Favel-Second White Specks and Boine and Gammon Ferruginous Members) in beautiful outcrops of shales. We encountered heavy rains at the Pleisiosaur Museum in Morden. The basement contains a hidden treasure of Cretaceous Vertebrate skeletons.

We thank the Scott, Michelle and Kathryn for sharing their Geological expertise in a beautiful part of Canada. The schedule was ambitious and everyone enjoyed the enthusiasm of learning Earth History.

John Lake, SGS Field Trip Coordinator.

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) Michelle Hanson (SK Survey; Treasurer, Editor) Svieda Ma (SK Survey) Ryan Morelli (SK Survey)
Saskatoon Member:	Kevin Ansdell (U of S) Karen Bawden (retired geologist)
La Ronge Member:	Meagan Gilbert (SK Survey)
Final Editor:	Heather Brown (SK Survey)

This will be the fifth calendar that the SGS's geoscience calendar committee has put together. As in previous editions the committee was striving for balance in its selection of images, showing off the geoscientific diversity our province has to offer. Although the committee has the general public in mind when creating the calendar, the general sentiment is that it should equally appeal to the professional geoscientists.

For those who have not yet purchased a calendar there will still be a few available for purchase at the AGM; the price is \$10 for individual 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 is certain that the



Summary of 2020 SGS Calendar Finances

NET	\$ 52.19
INCOME	\$ 4,407.40
Sponsorship	\$ 2,100.00
Sales	\$ 2,307.40
EXPENSES	\$ 4,355.21
Printing	\$ 4,305.39
Postage	\$ 49.82

2020 calendar, like its predecessors, will once again return a profit. In my estimation, as long as the calendar breaks even or returns a small profit, it can be considered a success and worthwhile effort. Proceeds from calendar sales, although modest, help the Society to do future outreach projects, provide an incentive for a 6th edition and/or possibly might facilitate an additional luncheon talk!

The following sponsors are thanked for their generous contributions towards the 2020 Geological Wall Calendar: The Saskatchewan Mining Association has been a major contributor since the inception of the calendar. The remaining sponsors are, in alphabetical order: Aima Petra

Geological Consulting Inc., APEGS, Caprice Resources Ltd., Dave Thomas, Dennison Mines, Foran Mining

Corporation, Hy-Tech Drilling, IsoEnergy Ltd., J.D. Mollard and Associates, Osprey Wings Ltd., Petroleum Technology Research Centre, PrintWest, RESPEC, Rio Tinto Canada, SSR Mining Seabee; Robertson Trading Company, and Saskatchewan Research Council.

I would like to thank all the committee members for their involvement and tremendous efforts in helping to make the fifth edition of the Geoscience Calendar a reality, but also in helping to make it a fun project to be working on. The committee would also like to thank all of the people who contributed photos to the calendar and in particular would like to acknowledge the following external photo contributors: Emily Bamford, Janis Dale, Greg Dumond, Rob Holben, Jenya Kistanov, Dave MacDougall, Justin Rodko, Samantha Van De Kerckhove, Niko Wicharuk,

Respectfully submitted by

Ralf Maxeiner,
Committee Chair

“Digital Geoscience Highway Map (DGHM) of Saskatchewan” Committee Report

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

Regina Members: Janis Dale (U of R)
Michelle Hanson (SK Survey)
Kim Kreis (independent consultant)
Thomas Love (SK Survey)
Sam Narimani (Graduate student)
Pam Schwann (SMA)
Bill Slimmon (Retired from Survey)

Long Distance Member: Kevin Ansdell (U of S)
Emily Bamforth (Royal Saskatchewan Museum)

In 2002 the Society and its partners released the first geological highway map of Saskatchewan, which was only the second or third of its kind in the country. Originally, 20 000 maps were printed, with another 5000 added in a second printing. This makes the highway map one of the Society’s most distributed publications: some 100–200 maps are sold each year!

Saskatchewan Geoscience Highway Map

Home | Log in | About Us | The Resource | Canada's World | Inventory Maps | Roads | The Age | Landforms | Water & Energy | About us

How to use the Saskatchewan Geoscience Highway Story Map

Use your mouse and find out where to explore for oil and gas. Below are some key points to guide you along the way.

Tabs: The information on this site is organized into several tabs visible on the top ribbon. Click on a tab to expose more information about that specific theme; some of these tabs have additional sub-tabs.

Stories: A featured tab or sub-tab, you'll see that the screen is split into two. On the left-hand side, you'll see a story with text and pictures; on the right-hand side, you'll see a featured image of an interactive map. By scrolling down on the left to read more about that topic, the map on the right will point to the area about which you are reading.

Navigating the map: When a map is present, use your mouse pointer or your finger to move around the map; click and hold your mouse to move around. To click on features on the map, use your mouse scroll wheel or the touch pad in the upper left-hand corner of the map. To get more information about an item, such as a numbered point or a map outline, click on that item. Text on this map on the right: each numbered point on the map has an image with captions, as well as a link

It is now time to release a second edition of this successful product and to that end, a committee was formed in August of 2019 to make that a reality. With the generous support of APEGS (to the tune of \$9100), this new product will get a facelift and be *digital!* By transforming the map into an interactive digital format, it will be more accessible and can be used by teachers, tourists and anyone else interested in learning Saskatchewan's geoscience diversity.

We are using ESRI's [StoryMap online tool](#) to create a website centered around an interactive map. Points on a map are linked to "story boards" that provide photos and information about the geology at those points. A future, second stage of the project might include ESRI's mobile app (ArcGIS Explorer) allowing the map to be even more interactive.

Current partners in the project are the Saskatchewan Geological Society, the Saskatchewan Geological Survey (Survey), the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), the Saskatchewan Mining Association (SMA), and SaskToursim. Other partners may still be engaged as the project evolves further.

The project is quite advanced, although a bit behind schedule, as the original plan was to have the basic framework built and populated with content from the original geological highway map by early January 2020. As it stands, the basic framework is built, but we are still in the process of updating photos and text, and the committee anticipates that the content of the old Highway Map can be updated and uploaded by the end of February. The ESRI story map tool allows easy modifications and updates as long as the license is maintained. The plan is that the Society will continue to license the product from ESRI for five years, gradually adding content over time. After the initial five years, the project will be re-evaluated. If the decision is made to continue it, additional funding will be sought at that time.

Respectfully submitted by

Ralf Maxeiner,
Committee Co- Chair

Geological Survey Open House Committee Report, 2019

Open House Committee Members

Chair: Jason Berenyi

Society reps:

Samantha Van De Kerckhove

Murray Rogers

Ralf Maxeiner

Survey reps:

Ann Davidson

Thomas Love

Amanda Palaniuk

Deirdre O'Donohoe

Aaron Coons

The 50th Annual Open House was held Dec.2-4th, 2019 at the Delta Bessborough Hotel in Saskatoon. Once again, the conference was very well attended with over 720 delegates attending and 60 exhibitors. There were 30 geoscience posters on display including 20 student submissions (?? graduate and ?? undergraduate).

Four technical sessions were held Dec. 3rd and 4th featuring 33 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.

Twenty-seven delegates attended a short course presented by Ronacher Mackenzie Geoscience and affiliates on geophysics for geologists, while an additional 15 delegates attended a course on geoscience writing skills, presented by Dave Thomas.

We were pleased to once again be able to offer our delegates 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,
Jason Berenyi; Open House Committee Chair

Williston Basin Petroleum Conference, 2019

On May 28th, as part of the Williston Basin Petroleum Conference, the SGS once again hosted a core workshop at the [Subsurface Geological Laboratory](#). Over 70 people attended one of either of the am or pm sessions, with a catered lunch. The SGS has been hosting core workshops in this configuration at the lab for many years with great success, and this year's was no different. The proceeds from registration in the workshop, as well as recognition for bringing people to the larger Williston Basin Petroleum Conference, earned the society a \$15,000 honorarium from the conference organizers. [The Core Workshop Committee](#) was chaired by Andrew Morley, and comprised of several SGS members; [all of which](#) took part in organizing [the day's events](#). [The Committee](#) ensured the program was up to its usual standard, which it certainly was. The program was as follows:

Brian Brunskill – Geothermal Energy Potential of the Northern Williston Basin.

John Lake and Arden Marsh – Migration of Hydrocarbons and Spill Point Concept at the Tilston/Alida Beds Unconformity

Arden Marsh – Paleotopography on the Sub-Mesozoic Unconformity and Reservoirs of the Mississippian Midale Beds in the Pinto Pool of Southeast Saskatchewan

Celine Chow – Sedimentology and Diagenesis with respect to the Reservoir Development of the Mississippian Midale Beds in the Pinto-Roche Percee area, southeastern Saskatchewan

Peter Hill – The Impact of Salt Dissolution on Hydrocarbon Distribution within the Mannville Group in West-Central Saskatchewan

Meagan Gilbert – The Dinosaur Park – Bearpaw Formation Transition in the Cypress Hills Region, Southwestern Saskatchewan, Canada.

The Society, along with the organizers of the 2021 Williston Basin Petroleum Conference will certainly be hosting this event again. Be sure to volunteer [in the future](#) in some capacity, or better yet, [take the opportunity to show off your work on Saskatchewan core!](#)

Erik H. Nickel *M.Sc., P.Geo.*

Director of Operations
Petroleum Technology Research Centre

8. SASKATCHEWAN GEOLOGICAL SOCIETY AWARDS

Honour Roll Committee Report

The Honour Roll Sub-Committee was established in 2002. It currently comprises Dr. Don Kent (Chairman); Dr. Jim Christopher; Dr. Charlie Harper; Kim Kreis and David MacDougall. The committee considers nominations received from SGS members via the SGS Executive, and chooses a candidate who receives the honour at the AGM & Awards Dinner in early February. The recipient's name is inscribed on a plaque that hangs in the Saskatchewan Energy and Resources Subsurface Laboratory on Dewdney Avenue. The full list and citations of recipients is on the Saskatchewan Geological Society website under the heading *Awards*. 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-eight members on the Honour Roll. **The candidate for 2018, inducted at the Annual General Meeting in February 2019 was Dave Thomas**, a former Saskatchewan Geological Survey geologist who went on to complete a distinguished career in Cameco, Saskatchewan's major uranium mining and exploration company.

A SYNOPSIS OF DAVE THOMAS' CITATION

Dave Thomas joined the Saskatchewan Geological Survey in 1980 and from 1981 to 1984 was Resident Geologist in Uranium City with responsibility for the Athabasca Mining District. During this time he published reports for the Survey's Annual Summary of Investigations on mining activity in the district during the year. He also led field trips for Survey staff and visiting mining company geologists.

In 1984 he was moved back to head office in Regina and became a Project Geologist in the Precambrian Division of the Survey working on structural and metallogenic studies with a focus on gold and base metals in the La Ronge Gold Belt, the Glennie Domain and the Flin Flon-Creighton district.

Together with Charlie Harper, he mapped the La Ronge Gold Belt which was during the 1980s the focus of renewed gold exploration that had commenced in the late 1940s with the operation of the Decade Mine. A series of compact, high grade deposits was developed and mined in the 1980s during the Survey's mapping program: the Star Lake Mine, the Jolu Mine, the Komis, and Fork Lakes Mine.

Dave was Program Chairman of the Saskatchewan Geological Society in 1984 and served as its Vice President in 1985. In 1991 he became Provincial Co-ordinator of the NATMAP Federal-Provincial program, an initiative to investigate in detail the exposed and sub-Phanerozoic areas of the Precambrian Shield. The work involved co-ordinating the results of exploration by mining companies, and field mapping and research by university researchers, and geologists from the Geological Survey of Canada, Manitoba Geological Survey and Saskatchewan Geological Survey.

During his time with the Survey he published:

- 33 Sole Authored Reports with 23 accompanying maps (mostly 1:20,000 uncoloured map sheets)
- 32 Joint Authored Reports – for Saskatchewan Geological Survey, Geological Survey of Canada, Geological Society of Australia, and Geological Association of Canada/Mineralogical Association of Canada
- 7 Co-Authored Reports – mainly field trip guides and conference presentations
- 6 Joint-Authored Journal Papers for *Economic Geology*, *Canadian Mineralogist*, *Geological Society of America Bulletin*, *Mineralogical Magazine* and *Mineralium Deposita*

A CAREER WITH CAMECO

From 1994 onwards Dave worked for Cameco in various capacities as Director of Geoscience, Director of Exploration New Business and finally in 1999 as Chief Geologist. His work on gold, base metal and uranium exploration properties took him all over the world from various parts of Canada and the United States to Mexico, Chile, Argentina, Australia, South Africa, Botswana, Namibia, Niger, Tanzania, Kyrgyzstan, Russia, Finland, Sweden, Mongolia, and South Korea. His particular interests were in the McArthur River uranium deposit (Zone 2) and the Kumtor gold deposit in Kyrgyzstan.

He represented Cameco on various research organizations such as CAMIRO (Canadian Mining Industry Research Organization) and AMIRA (AMIRA International Ltd is a member-based organisation of minerals companies and suppliers which develops, brokers and facilitates collaborative research projects).

He visited and assessed over 38 prospects, deposits or mines in seventeen countries while with Cameco, each the subject of internal reports and presentations probably more numerous than his published work at the Survey.

He retired from Cameco's Exploration Department in 2018.

Awards Committee Report – 2019 Student Awards

The Society presents four awards each year in recognition of up and coming geoscience students. In addition to the award each student recipient will receive a cheque for \$250, a framed certificate, and expenses to the Awards Dinner for them and a guest.

The **President's Award** is presented to the best undergraduate student poster at the Saskatchewan Geological Open House. This year the award is presented to **Daniel Ferguson** of the University of Regina for his poster titled "*Petrographic and Paragenetic Study of Uranium Mineralization along the Midwest Trend, Northeastern Athabasca Basin*".

The **Lazlo Fuzesy Award** is presented to the best graduate student poster at the Saskatchewan Geological Open House. This year it is presented to **Arin Kitchen** of the University of Regina for his poster titled "*Deformation Bands and Their Relationship to Post-Depositional Faults Associated with Unconformity-related Uranium Deposits; A Case Study and Comparison of the C1 and Phoenix Fault Zones in the Eastern Athabasca Basin*". Second place in this category went to **Courtney Onstad** of the University of Saskatchewan, for her poster titled "*Characterization of Host Rocks and Auriferous Quartz Vein Alteration Halos, Fisher Property, Seabee Gold Operation, Saskatchewan*". Courtney received a cheque for \$150 and a framed certificate. Third place in this category went to **Kelsey McKee** of the University of Regina for her poster titled "*Factors Controlling the Formation and Localization of Reverse-Offset Unconformity-related Uranium Deposits along the Midwest Trend, Athabasca Basin, Northern Saskatchewan*". Kelsey received a cheque for \$100 and a framed certificate. There were 17 posters in this category.

The judges for the 2019 poster competition were **Dr. Bill Patterson** (University of Saskatchewan), **Dr. Jeanette Roelofsen** (University of Regina), **Mr. Dillon Johnstone** (Saskatchewan Geological Survey) and **Mr. Murray Rogers** (Saskatchewan Geological Survey). The judges are thanked for their valued contributions to these student poster awards.

The **Robert Milner Award** is presented to the top graduating undergraduate geology student at the University of Regina. Robert Milner was a prominent Saskatchewan geologist who made significant contributions to the understanding of the sedimentology and stratigraphy of the Jurassic System in Saskatchewan, particularly units such as the Watrous, Gravelbourg, Shaunavon, and Vanguard formations. This year the award is presented to **Anastasiya Konchakovsky**.

The **Walter Kupsch Award** is presented to the top graduating undergraduate geoscience student at the University of Saskatchewan. Walter Kupsch was a geology professor at the U. of S. who made important contributions through his work in Quaternary geology, terrain analysis, and northern non-renewable resource development. This year the award is presented to **Iliajah Pidskalny**.

Respectfully submitted,
Murray Rogers
Awards Committee Chair

8. Nominating Committee

The term of the 2019 SGS executive ends with the AGM on February 15, 2020. The 2019 Executive puts forward the following Candidates for the 2020 Executive.

President:	Brian Brunskill
Vice-President:	Taylor Forsyth
Treasurer:	Dillon Johnstone
Secretary:	Samantha Van De Kerckhove
Business Manager:	Andrew Morley
Program Chairs:	Alec Pollard & Dave Thomas
Past President:	Mike Thomas

A motion will be made at the AGM to accept the entire slate of candidates for 2020.

Saskatchewan Geological Society Inc.

BALANCE SHEET

As of December 31, 2019

	TOTAL
Assets	
Current Assets	
Cash and Cash Equivalent	
1000 TD Bank - Chequing	33,928.24
1001 SK Geological Open House	60,033.08
1002 Saskatchewan Geological Highway Map	6,456.17
1003 Fusezy Sponsorship account	19,750.00
Total 1000 TD Bank - Chequing	120,167.49
1050 Petty Cash	300.00
1210 Undeposited Funds	-120.00
Total Cash and Cash Equivalent	\$120,347.49
Accounts Receivable (A/R)	
1200 Accounts Receivable (A/R)	774.40
Total Accounts Receivable (A/R)	\$774.40
1600 Prepaid Expenses	555.63
Total Current Assets	\$121,677.52
Non-current Assets	
Property, plant and equipment	
1300 Computers	1,062.52
1301 A/A - Computer	-292.19
Total 1300 Computers	770.33
Total Property, plant and equipment	\$770.33
1700 TD GIC Investment	32,081.84
Total Non Current Assets	\$32,852.17
Total Assets	\$154,529.69
Liabilities and Equity	
Liabilities	
Current Liabilities	
Accounts Payable (A/P)	
2000 Accounts Payable (A/P)	32.86
Total Accounts Payable (A/P)	\$32.86
2015 Accrual Payables	2.50
2100 Deferred revenue	1,277.66
2200 GST/HST Payable	-4,741.08
2201 GST/HST Filed	-2,832.13
2206 S/A PST and Adjustments	0.00
2207 PST Filed (SK)	90.14
Total Current Liabilities	\$ -6,170.05
Total Liabilities	\$ -6,170.05
Equity	
3010 Opening Balance Equity	0.00
Retained Earnings	116,130.31
Profit for the year	44,569.43
Total Equity	\$160,699.74
Total Liabilities and Equity	\$154,529.69

Saskatchewan Geological Society Inc.

PROFIT AND LOSS

January - December 2019

	TOTAL
INCOME	
4000 AGM Income	
4001 Ticket Sales	1,880.00
Total 4000 AGM Income	1,880.00
4050 Annual Field Trip Income	
4051 Registration Fees	8,000.00
Total 4050 Annual Field Trip Income	8,000.00
4100 Calendar	
4101 Sales	2,140.38
4102 Sponsorships	2,200.00
Total 4100 Calendar	4,340.38
4150 Curling Funspiel Income	
4151 Tickets	670.00
Total 4150 Curling Funspiel Income	670.00
4200 Education and Outreach Income	
4201 School Lecture Grants	3,063.06
4202 Regina Public Lecture Sponsorship	1,000.00
4203 Open House Public Lecture Sponsorship	1,000.00
Total 4200 Education and Outreach Income	5,063.06
4250 BBQ Tournament Income	
4251 Registration Fees	1,310.00
Total 4250 BBQ Tournament Income	1,310.00
4300 Grants/Sponsorships	
4301 A.P.E.G.S Grant	4,000.00
4302 Corporate Sponsorships	500.00
4303 WBC Grant	15,000.00
4304 Fusezy Scholarship Income	20,000.00
Total 4300 Grants/Sponsorships	39,500.00
4350 Luncheon Income	
4351 Ticket Sales	4,294.50
Total 4350 Luncheon Income	4,294.50
4400 Membership Dues	
4401 Active	2,062.15
4402 Amateur	20.00
4403 Corporate	430.95
4404 Lifetime	350.00
4405 Student	280.00
Total 4400 Membership Dues	3,143.10
4450 Merchandise Sales	
4451 Royalty Fees (Income)	3,258.61
4453 Promotional Materials	190.59
4454 Volume Sales	148.06
Total 4450 Merchandise Sales	3,597.26
4500 Open House - Society Related	2,492.73
4600 Open House Event	
4601 Short Course Registration	12,200.00

	TOTAL
4602 Booth Registration	42,700.00
4603 Sponsorship	33,250.00
4604 Website Testing	3.80
Total 4600 Open House Event	88,153.80
4700 Saskatchewan Geological Highway Map	
4701 Highway Map Sponsorship	9,090.00
Total 4700 Saskatchewan Geological Highway Map	9,090.00
Total Income	\$171,534.83
COST OF GOODS SOLD	
5000 AGM Expenses	
5001 Catering	2,925.20
5002 Misc.	10.64
Total 5000 AGM Expenses	2,935.84
5050 Annual Field Trip Expenses	11,002.48
5060 Calendar, SGS publication	
5061 Mailing	48.24
5062 Printing	4,111.34
5063 Reimbursement	100.00
Total 5060 Calendar, SGS publication	4,259.58
5100 Curling Funspiel	
5102 Ice Rental	516.80
Total 5100 Curling Funspiel	516.80
5150 Education	
5151 Regina Public Lecture	1,309.95
5152 School Lecture	
5153 Bussing	1,073.83
5154 Helper expenses	940.00
5156 Speaker Gift	245.40
5157 Supplies	236.50
5158 Lunch for volunteers	541.22
Total 5152 School Lecture	3,036.95
5159 Open House public lecture	368.25
Total 5150 Education	4,715.15
5200 Golf Tournament	
5201 BBQ Supplies	1,457.55
Total 5200 Golf Tournament	1,457.55
5250 Luncheon Expenses	
5251 Catering	8,132.53
5252 Speaker Expenses	
5253 Accomodation	1,205.25
5254 Meals	497.15
5255 Travel	1,124.17
Total 5252 Speaker Expenses	2,826.57
5260 Speaker gifts	953.46
Total 5250 Luncheon Expenses	11,912.56
5300 Open House - Soc. Related	1,430.56
5350 Williston Basin Conference	
5351 Core Workshop	
5352 Printing	262.61
5353 Catering	1,251.12
5354 Misc.	15.33

	TOTAL
Total 5351 Core Workshop	1,529.06
Total 5350 Williston Basin Conference	1,529.06
5400 Awards	
5401 Postage	64.57
5402 Robert Milner Award	250.00
5403 Travel and accommodation	152.80
5404 Walter Kupsch Award	350.00
5405 Plaque Engraving	76.07
5406 Poster contest awards	900.00
5407 Awards Other Expenses	60.00
Total 5400 Awards	1,853.44
5450 Merchandise/Publications	
5451 Mailing	44.97
Total 5450 Merchandise/Publications	44.97
5500 Open House Event Expenses	74,335.69
5501 Open House vendor refund	1,400.00
Total 5500 Open House Event Expenses	75,735.69
5600 Saskatchewan Geological Highway Map Expenses	
5601 Highway Map Hosting Fee's (ESRI)	159.00
5602 Highway Map ESRI License Fee	368.09
5603 Highway Map Dropbox Expenses	155.88
5604 Highway Map Development Fee's	1,926.00
Total 5600 Saskatchewan Geological Highway Map Expenses	2,608.97
5700 Sponsorship and Grants	
5701 SGS student travel sponsorship	75.00
5702 Sponsorship	250.00
Total 5700 Sponsorship and Grants	325.00
5800 Customer Refunds	74.15
Total Cost of Goods Sold	\$120,401.80
GROSS PROFIT	\$51,133.03
EXPENSES	
6000 Professional Fees	
6002 Bookkeeping Fees	0.00
Total 6000 Professional Fees	0.00
6040 Stripe Fees	2,678.29
6050 Bank charges	260.29
6055 Business Licenses and Fees	15.00
6060 Insurance	1,366.30
6078 Software and Subscriptions	686.98
6090 Postage Expenses	
6091 PO Box Rental	195.00
6092 Volume Canada Post	25.50
Total 6090 Postage Expenses	220.50
6100 Advertising/Promotional	
6102 SGS Website	636.00
Total 6100 Advertising/Promotional	636.00
6150 Executive meeting expenses	
6151 Food and Beverage	700.24
Total 6150 Executive meeting expenses	700.24
Total Expenses	\$6,563.60
PROFIT	\$44,569.43



SASKATCHEWAN GEOLOGICAL SOCIETY
Proposed Budget 2020



General Society	2017 Actual		2018 Actual		2019 Proposed		2019 Actual		3-year average	2020 Proposed	
	Main	Sub	Main	Sub	Main	Sub	Main	Sub		Main	Sub
NET SURPLUS/LOSS	\$ 4,463.17		\$ (14,463.87)		\$ (4,780.00)		\$ 34,439.18		\$ 8,146.16	\$ (12,527.30)	
INCOME	\$ 46,783.88		\$ 31,940.07		\$ 51,000.00		\$ 83,381.02		\$ 54,034.99	\$ 36,450.00	
Annual General Meeting	\$ 2,601.24		\$ 1,860.00		\$ 3,500.00		\$ 1,880.00		\$ 2,113.75	\$ 2,000.00	
APEGS constituent society grant	\$ 4,000.00		\$ 4,000.00		\$ 4,000.00		\$ 4,000.00		\$ 4,000.00	\$ 4,000.00	
Calendar	\$ 3,451.34		\$ 4,626.19		\$ 4,600.00		\$ 4,340.38		\$ 4,139.30	\$ 4,650.00	
Sponsorship		\$ 1,700.00		\$ 2,350.00		\$ 2,100.00		\$ 2,200.00	\$ 2,083.33		\$ 2,200.00
Sales		\$ 1,751.34		\$ 2,276.19		\$ 2,500.00		* \$ 2,140.38	\$ 2,055.97		\$ 2,450.00
Curling bonspiel	\$ 572.04		\$ 465.00		\$ 750.00		\$ 670.00		\$ 569.01	\$ 600.00	
Digital Highway Map							\$ 9,090.00		NA		
Education & Outreach	\$ 1,500.00		\$ 2,452.52		\$ 3,450.00		\$ 5,063.06		\$ 3,005.19	\$ 2,950.00	
Sponsorship				\$ 950.00		\$ 500.00		\$ 1,500.00	\$ -		\$ 500.00
Open House Public Lecture		\$ 250.00		\$ -		\$ 500.00		\$ 1,000.00	\$ -		\$ 500.00
Regina Public Lecture		\$ -		\$ -		\$ 450.00		\$ 1,000.00	\$ -		\$ 450.00
School talk bussing		\$ 1,500.00		\$ 1,502.52		\$ 2,000.00		\$ 1,563.06	\$ -		\$ 1,500.00
Field trip	\$ 7,631.30		\$ 7,000.00		\$ 7,000.00		\$ 8,000.00		\$ 7,543.77	\$ 7,500.00	
Fusezy Award Grant							\$ 20,000.00		NA		
Golf tournament (and BBQ)	\$ 1,057.29		\$ 315.00		\$ 1,200.00		\$ 1,310.00		\$ 894.10	\$ 1,000.00	
Luncheon meeting tickets	\$ 4,070.00		\$ 4,842.00		\$ 4,500.00		\$ 4,294.50		\$ 4,402.17	\$ 4,500.00	
Membership Dues	\$ 2,606.17		\$ 1,868.52		\$ 2,500.00		\$ 3,143.10		\$ 2,539.26	\$ 2,500.00	
Merchandise/publication sales	\$ 4,637.34		\$ 4,110.84		\$ 4,000.00		\$ 3,597.26		\$ 4,115.15	\$ 3,750.00	
Clothing		\$ 557.14		\$ 333.33		\$ -		\$ 190.59	\$ -		\$ -
Publications		\$ 4,080.20		\$ 3,777.51		\$ 4,000.00		\$ 3,406.67	\$ 3,754.79		\$ 3,750.00
Society Open House honorarium							\$ 2,492.72		\$ 830.91	\$ 2,500.00	
Sponsorships	\$ -		\$ 400.00		\$ 500.00		\$ 500.00		\$ 300.00	\$ 500.00	
Corporate		\$ -		\$ 400.00		\$ 500.00		\$ 500.00	\$ -		\$ 500.00
WBPC workshop	\$ 15,000.00		\$ -		\$ 15,000.00		\$ 15,000.00		\$ 10,000.00	\$ -	
EXPENSE	\$ 42,320.71		\$ 46,403.94		\$ 55,780.00		\$ 48,941.84		\$ 45,888.83	\$ 48,977.30	
Accounting	\$ -		\$ 7,536.14		\$ 5,100.00		\$ -		\$ 2,512.05	\$ -	
Bookkeeping				\$ 6,936.14		\$ 4,500.00		\$ -	\$ -		\$ -
Income Tax Filing				\$ 600.00		\$ 600.00		\$ -	\$ -		\$ -
Review Engagement report		\$ -		\$ -		\$ -		\$ -	\$ -		\$ -
Administrative	\$ -		\$ 100.00		\$ 100.00						
Annual General Meeting	\$ 4,234.82		\$ 3,453.41		\$ 4,000.00		\$ 2,935.84		\$ 3,541.36	\$ 3,500.00	
Awards/Grants	\$ 1,021.87		\$ 2,406.75		\$ 2,500.00		\$ 1,853.44		\$ 1,760.69	\$ 2,300.00	
Poster awards				\$ -		\$ -		\$ 900.00	\$ -		\$ 900.00
Robert Milner Award								\$ 250.00			\$ 250.00
Walter Kupsch Award								\$ 350.00			\$ 350.00
Travel and accommodation								\$ 152.80			\$ 600.00
Postage and Engraving		\$ 1,021.87		\$ 2,406.75		\$ -		\$ 200.64	\$ -		\$ 200.00
Calendar (printing & mailing)	\$ 4,109.11		\$ 4,281.07		\$ 4,250.00		\$ 4,259.58		\$ 4,216.59	\$ 4,260.00	
Christmas Party	\$ -		\$ -		\$ 200.00		\$ -		\$ -	\$ -	
Clothing	\$ 665.84		\$ -		\$ -		\$ -		\$ 221.95	\$ -	
Curling bonspiel	\$ 747.05		\$ 416.77		\$ 850.00		\$ 516.80		\$ 560.21	\$ 600.00	
Digital Highway Map							\$ 2,608.97		NA	\$ 3,700.00	
Web hosting & software licensing fees									NA		
Development							\$ 682.97		NA	\$ 700.00	
Development							\$ 1,926.00		NA	\$ 3,000.00	
Education & Outreach	\$ 2,526.95		\$ 2,232.39		\$ 7,000.00		\$ 4,715.15		\$ 3,158.16	\$ 4,750.00	
Open House Public Lecture		\$ 335.89		\$ -		\$ 2,000.00		\$ 368.25	\$ -		\$ 1,000.00
School talk bussing		\$ 1,624.06		\$ 1,478.61		\$ 2,000.00		\$ 1,073.83	\$ 1,392.17		\$ 1,500.00
School talk misc.		\$ 567.00		\$ 753.78		\$ 1,000.00		\$ 1,717.72	\$ 1,012.83		\$ 1,000.00
Geoscape website		\$ -		\$ -		\$ 1,000.00		\$ -	\$ -		\$ -
Regina Science Fair		\$ -		\$ -		\$ -		\$ -	\$ -		\$ -
Regina Public Lecture		\$ -		\$ -		\$ 1,000.00		\$ 1,309.95	\$ -		\$ 1,000.00
Speaker gifts		\$ -		\$ -		\$ -		\$ 245.40	\$ -		\$ 250.00
Field Trip	\$ 9,366.18		\$ 10,545.08		\$ 11,300.00		\$ 11,002.48		\$ 10,304.58	\$ 10,000.00	
Grants and sponsorship			\$ 250.00		\$ 300.00		\$ 325.00			\$ 450.00	
Open House student travel subsidy					\$ 300.00		\$ 75.00			\$ 200.00	
Regina Geotechnical Group			\$ 250.00				\$ 250.00			\$ 250.00	
Golf tournament (and BBQ)	\$ 1,202.25		\$ 399.25		\$ 1,700.00		\$ 1,457.55		\$ 1,019.68	\$ 1,300.00	
Luncheon meeting (catering)	\$ 4,663.86		\$ 7,567.34		\$ 8,000.00		\$ 8,277.56		\$ 6,836.25	\$ 8,000.00	
Speaker Expenses	\$ 5,409.68		\$ 4,282.84		\$ 5,000.00		\$ 3,635.00		\$ 4,442.51	\$ 4,500.00	
Accommodation		\$ 1,357.04		\$ 769.77		\$ 1,000.00		\$ 1,205.25	\$ 1,110.69		\$ 1,000.00
Food		\$ 881.44		\$ 1,824.19		\$ 1,500.00		\$ 352.12	\$ 1,019.25		\$ 1,000.00
Travel		\$ 1,377.03		\$ 319.97		\$ 1,000.00		\$ 1,124.17	\$ 940.39		\$ 1,000.00
Speaker gifts		\$ 1,064.17		\$ 638.91		\$ 500.00		\$ 953.46	\$ 885.51		\$ 500.00
Misc. (honorariums, AAPG fees)		\$ 730.00		\$ 730.00		\$ 1,000.00		\$ -	\$ -		\$ 1,000.00
Professional & Operational Fees	\$ 1,367.66		\$ 1,291.78		\$ 1,930.00		\$ 2,748.17		\$ 1,802.54	\$ 2,631.30	
Customer refunds								\$ 74.15			
Quickbooks Online		\$ 148.66		\$ 156.00		\$ 300.00		\$ 686.98	\$ -		\$ 850.00
Stripe Fees				\$ 363.49		\$ 400.00		\$ 345.45	\$ -		\$ 400.00
Insurance		\$ 1,219.00		\$ 772.29		\$ 1,230.00		\$ 1,366.30	\$ -		\$ 1,366.30
Business licenses and fees								\$ 15.00	\$ -		\$ 15.00
Bank Fees (purchase of cheques, etc.)								\$ 260.29	\$ -		\$ -
Canada Post (postage & post box rental)	\$ 362.05		\$ 450.00		\$ 450.00		\$ 265.47		\$ 359.17	\$ 350.00	
Society Open House expense							\$ 1,430.56			\$ 1,400.00	
Publications (printing)	\$ 557.56		\$ 100.00		\$ 100.00		\$ 44.97		\$ 234.18	\$ 100.00	
Website	\$ 2,944.39		\$ 636.00		\$ 2,500.00		\$ 636.00		\$ 1,405.46	\$ 636.00	
Lunches for executive meetings	\$ 443.66		\$ 455.12		\$ 500.00		\$ 700.24		\$ 533.01	\$ 500.00	
Williston Basin Conference Workshop	\$ 1,582.48		\$ -		\$ -		\$ 1,529.06		NA	\$ -	
Catering				\$ -		\$ -		\$ 1,251.12	\$ -		\$ -
Printing								\$ 262.61	\$ -		\$ -
Shipping		\$ -		\$ -		\$ -		\$ 15.33	\$ -		\$ -