



ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

ANNUAL REPORT 2017



COVER PHOTO BY: GARY DESCHUTTER, P.GEO.



APGO COUNCIL 2017

FRONT ROW (L-R) Francoise Campbell, P.Geo., Renee-Luce Simard, P.Geo., Shelly Cuddy, P.Geo.

BACK ROW (L-R) Christine Vaillancourt, P.Geo., Tafa Gomwe, P.Geo., David Leng, P.Geo., Tony Lotimer, P.Geo., K. Zen Keizars, P.Geo., John McBride, P.Geo., Mark Priddle, P.Geo.

President

Christine Vaillancourt, P.Geo.

Vice President

K. Zen Keizars, P.Geo.

Past President

Tony Lotimer, P.Geo.

Regional Councillors

Central Ontario

Francoise Campbell, P.Geo.

North Western Ontario

John McBride, P.Geo.

North Eastern Ontario

Renee-Luce Simard, P.Geo.

South Western Ontario

David Leng, P.Geo.

South Eastern Ontario

Paul Hubley, P.Geo.

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Bronwyn Azar, P.Geo.
Wayne Caston, P.Geo.

Lieutenant Governor-in-Council Appointees

Brad Leonard, P.Geo.

Nicole Januszczak, P.Geo.
Paul Connor

Public (Non-Member) Appointees

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Susan Carlyle, LL.B.
Marco Simone, CPA, CA

Treasurer

Shelly Cuddy, P.Geo.

Council of University Departments of Geoscience of Ontario (CUDGO)

Dr. David Good, Ph.D., P.Geo.



A person wearing a high-visibility yellow and orange jacket with a reflective triangle on the back stands on a vast, flat, frozen lake at night. The person is looking up at a vibrant green aurora borealis that fills the sky. The sky is also filled with stars. The person's shadow is cast on the ice, and there are tracks in the snow leading away from them.

MISSION

To protect the public by regulating geoscientists in Ontario and advancing professional practice.

VISION

To be acknowledged as a trusted and respected geoscience authority that engages fully qualified geoscience professionals for the benefit of geoscience and society.

**PROTECTING THE PUBLIC INTEREST
EARNING THE PUBLIC'S TRUST**

PHOTO BY: MAURICIO NERI, P.GEO.

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The Honourable Minister Michael Gravelle
Minister of Northern Development and Mines
159 Cedar Street
Sudbury, Ontario P3E 6A5

Dear Minister Michael Gravelle:

On behalf of the Council of the Association of Professional Geoscientists of Ontario (APGO), staff and volunteers, it is with honour and a strong sense of accomplishment that I am presenting to you the Annual Report 2017 for the APGO. This report integrates the audited financial report for 2017 with summaries of the Association's achievements and activities, including our varied tasked committee's endeavours, and substantiating our continued commitment to the governance of the geoscience profession in Ontario.

As I trust you will see, we are constantly striving to improve our fulfilment of the primary mission of the Association, which is to protect the public by regulating geoscientists in Ontario and advancing professional practice.

Our membership continues to grow steadily with nearly 3,400 members, including over 2,600 fully practicing or limited geoscientists and geoscientists-in-training, and 640 student members. These increasing numbers reflect the success of the Association at promoting the importance of the regulation of geoscientists and also at enforcing compliance of geoscientists in all spheres of practise, such as mining and mineral exploration and environmental geoscience, which notably includes the safeguard of people's health and the natural environment. APGO is also proud to provide special assistance to internationally-trained applicants in fulfilling the necessary requirements to become professional geoscientists in Ontario. It is an honour to stand as the largest geoscientist-only regulator in Canada and also to represent the province with the second largest population of professional geoscientists in the country.

We value your support and that of your staff at the Ministry of Northern Development and Mines (MNDM), which is essential in order to fulfill our mission. We provide you with this report in hope that its content will help you assess APGO's accomplishments and establish how our contribution towards the Ministry's success in achieving its goals and objectives can continue to grow.

CHRISTINE VAILLANCOURT, P.GEO.
APGO PRESIDENT



PRESIDENT'S MESSAGE



During the 2017 year, under the direction of our new CEO Louis Kan, APGO has seen an unprecedented rate of growth with numerous positive shifts of direction that aimed at becoming a better, more trusted regulator, as well as pushing forward with ongoing and new initiatives to continuously increase our outreach and enhance the engagement of our members.

January 2017 saw the birth of a new strategic plan by which the Association will focus on the protection of the public by regulating geoscientists in Ontario and advancing professional practice. In order to achieve this mission, the Association continues to improve its policies, its practices, its accountability and its transparency, ultimately reaffirming and strengthening its role as a regulator.

The strategic focus for 2017-2020 will more specifically ensure that:

- APGO is known, recognized and valued by all stakeholders as a relevant, accessible and professional regulatory body.
- APGO's legal authority to enforce compliance with the Professional Geoscientist Act, 2000 that governs geoscience practice in Ontario is strengthened to ensure that Members are competent, professional and ethical.
- Each of APGO's activities and programs are current, relevant and add value.

APGO has seen a particularly sharp increase in our membership in 2017, especially noticeable at the G.I.T. level and also in the amount of student registration. The mineral exploration sector's ongoing recovery from the difficult downturn of the past few years has probably had a role to play but this increase also validates the effectiveness of the Association's steady increase of outreach through a variety of events across the province.

"... the Association continues to improve its policies, its practices, its accountability and its transparency, ultimately reaffirming and strengthening its role as a regulator."

Also in 2017, APGO continued working relentlessly on its proposal for amendments to the Professional Geoscientists Act, 2000, which aim at clarifying the scope and the definition of the practice of geoscience, at comprehensively protecting the titles that relate to the practice of geoscience and at providing means to more effectively enforce the provisions of the Act through injunctive power.

I wish to acknowledge the time, dedication and outstanding work by our many volunteers on APGO's Council and on our various Committees, which allow the Association to carry out its mandate with great efficacy and professionalism.

My mandate as President of APGO has certainly been filled with both expected and unexpected learning experiences in a wide variety of areas. I now invite everyone to join me in welcoming this year's incoming President, Zen Keizars, P. Geo., and wish him and the Association continuing success.

**CHRISTINE VAILLANCOURT, P.GEO.
PRESIDENT**



CEO'S MESSAGE



- Communicated with other Canadian geoscience jurisdiction and other self-regulating professions for information sharing on best practices.

Going forward, we will continue to seek and implement best practices to align APGO's activities with the evolving regulatory landscape that is changing the oversight system for self-regulated professionals.

Lastly, I would like to thank our council, our staff and our members for their contributions to a very successful 2017 by all measures.

**LOUIS KAN CPA, CA, CFE,
CHIEF EXECUTIVE OFFICER**

It is my pleasure to offer my Report for 2017 with both a look back at the achievements of the past year and a look forward to the challenges and opportunities in the years ahead.

In my message last year, I undertook to improve our core services and deliver on the three areas of strategic focus in Council's Strategic Plan 2017 – 2020 including increasing our footprint in the halls of government, exploring mutually beneficial relationships with our provincial and federal counterparts and leveraging technology to increase operational efficiencies. I am pleased to report that we have made significant progress on all fronts. We have successfully:

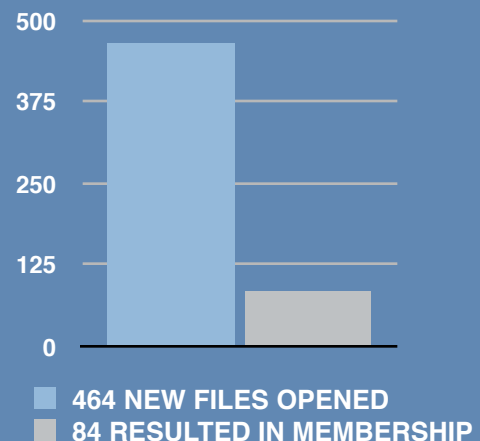
- Obtained buy-in from government and other stakeholders on the board objectives of our Act modernization push;
- Improved financial controls and the external financial audit process;
- Refreshed and updated internal operational policies to be fully compliant with legislative requirements;
- Implemented online registration;
- Initiated paperless office project;
- Introduced high-quality, structured and effective professional development courses geared toward members' needs;
- Reached out to stakeholders such as the Ontario Securities Commissions, Industry and government leaders in a substantive manner to address regulatory issues; and



DID YOU KNOW?

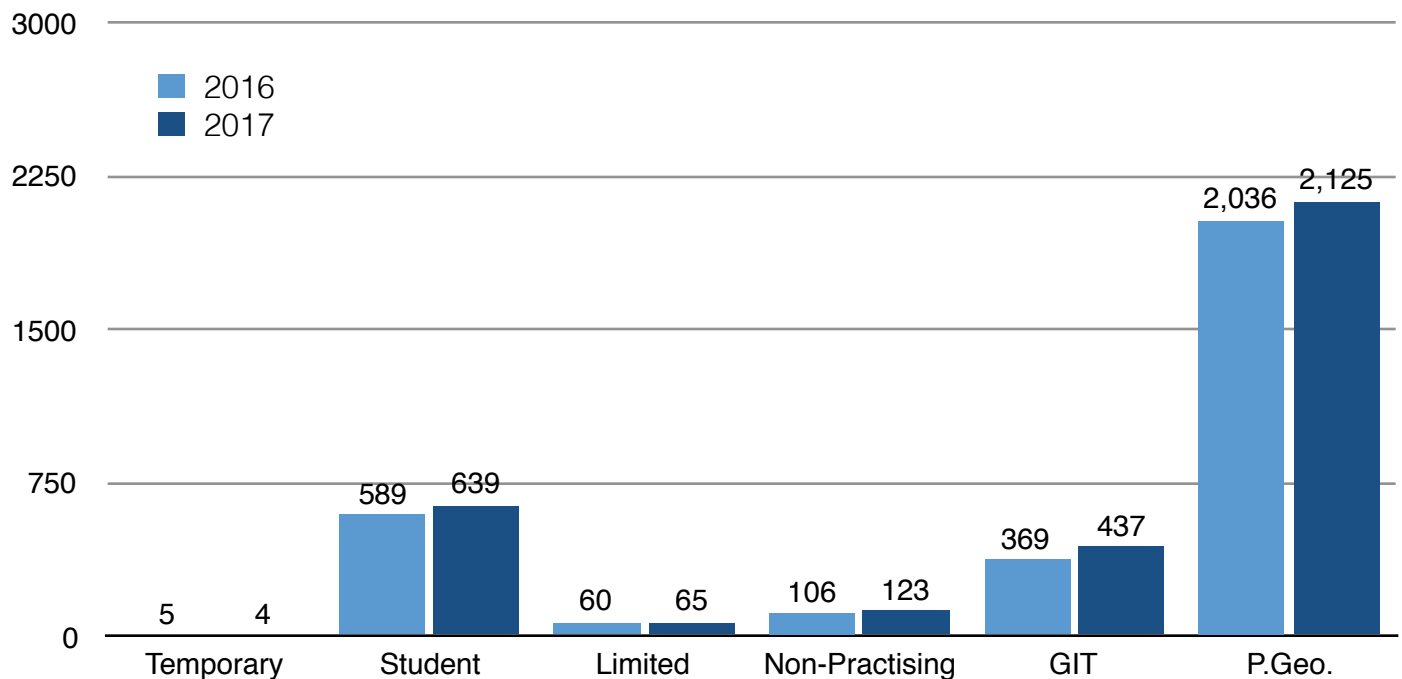
2017 ENFORCEMENT & COMPLIANCE

Reporting individuals that are practising geoscience in Ontario without holding a license, is an important facet of the APGO, as it helps safeguard the welfare of the public and the natural environment, while advancing the professional geoscience practise. With the help of our APGO members and the APGO Registrar, 464 new E & C files were opened in 2017, 15% of which, became active APGO members

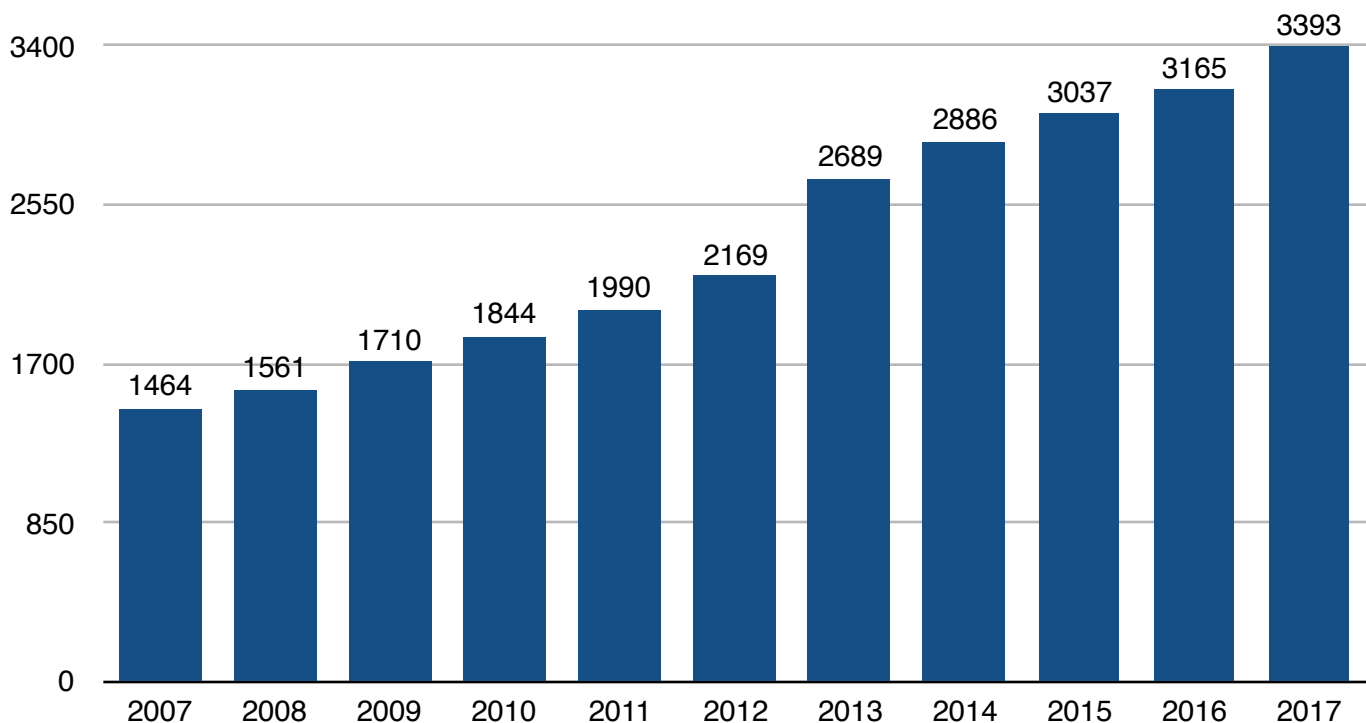


REGISTRATION AND STATS

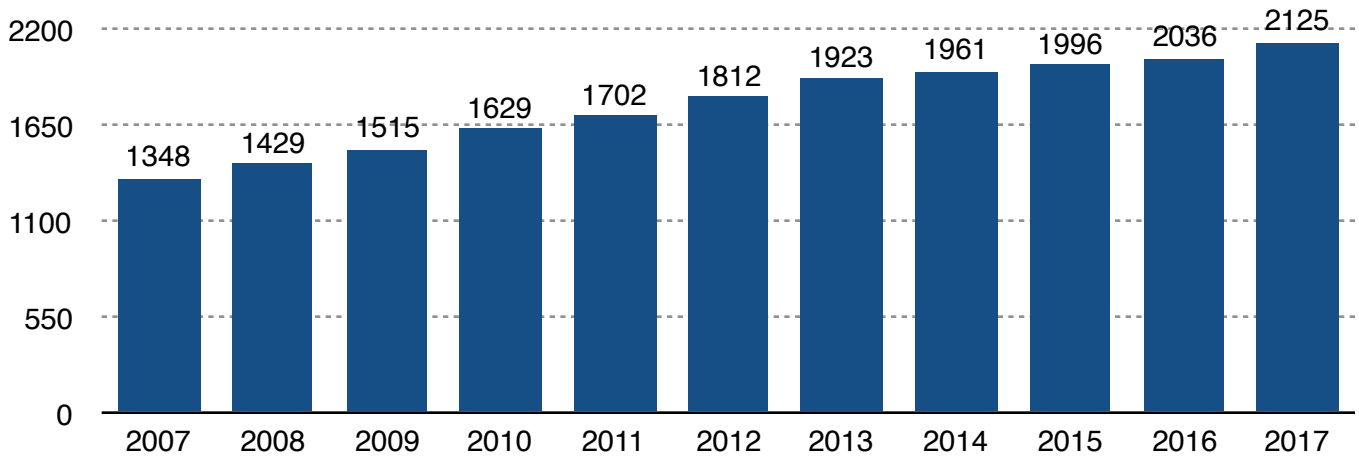
MEMBERSHIP BY TYPE



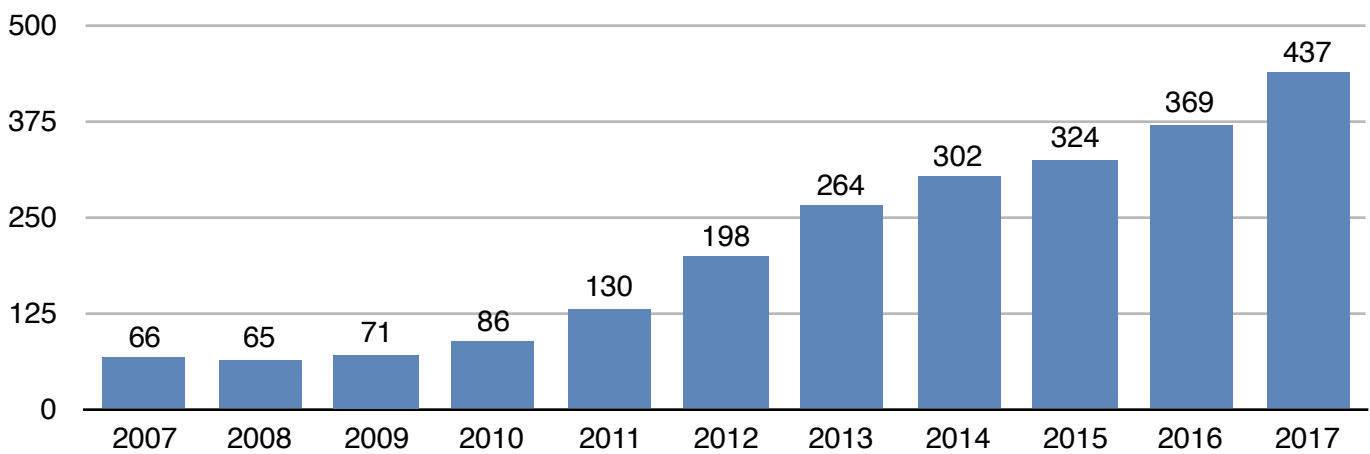
TOTAL MEMBERS



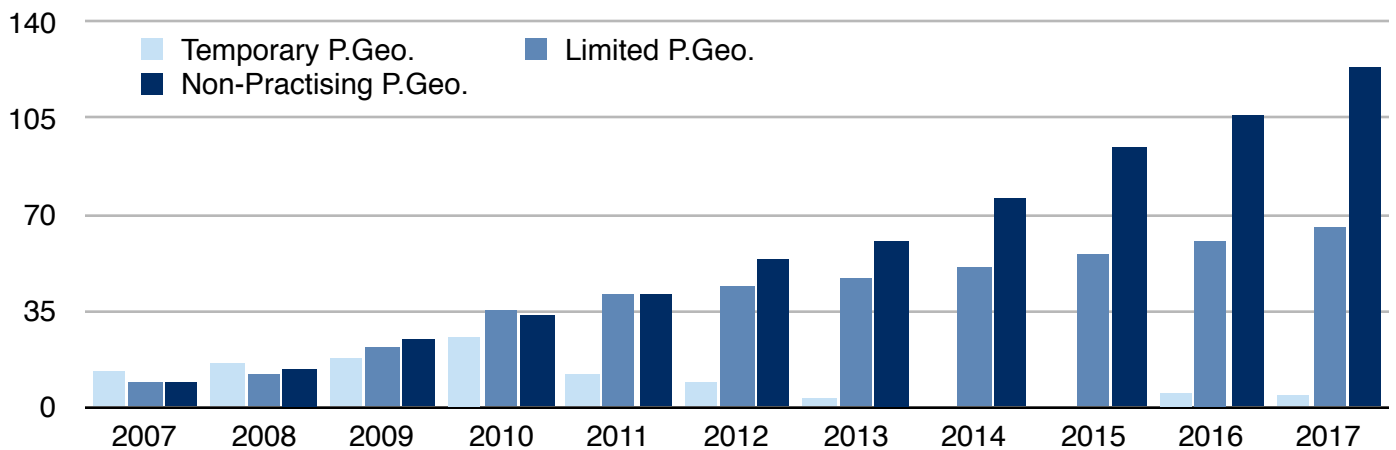
FULL P.GEO.



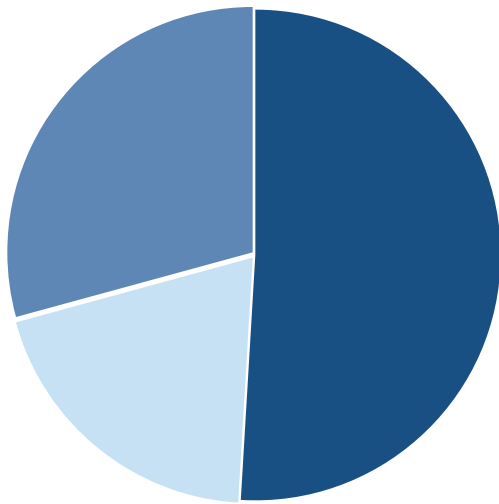
GEOSCIENTIST-IN-TRAINING



OTHERS

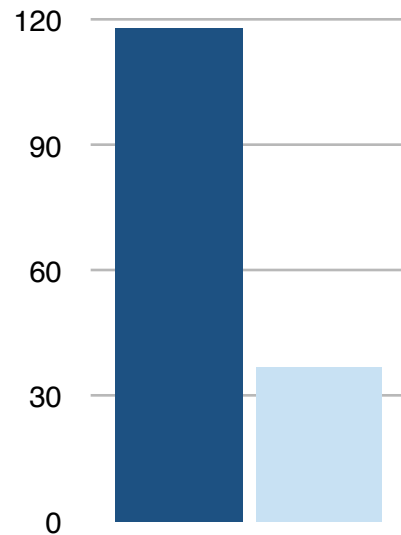


CERTIFICATE OF AUTHORIZATION CLASS OF PRACTITIONERS IN 2017



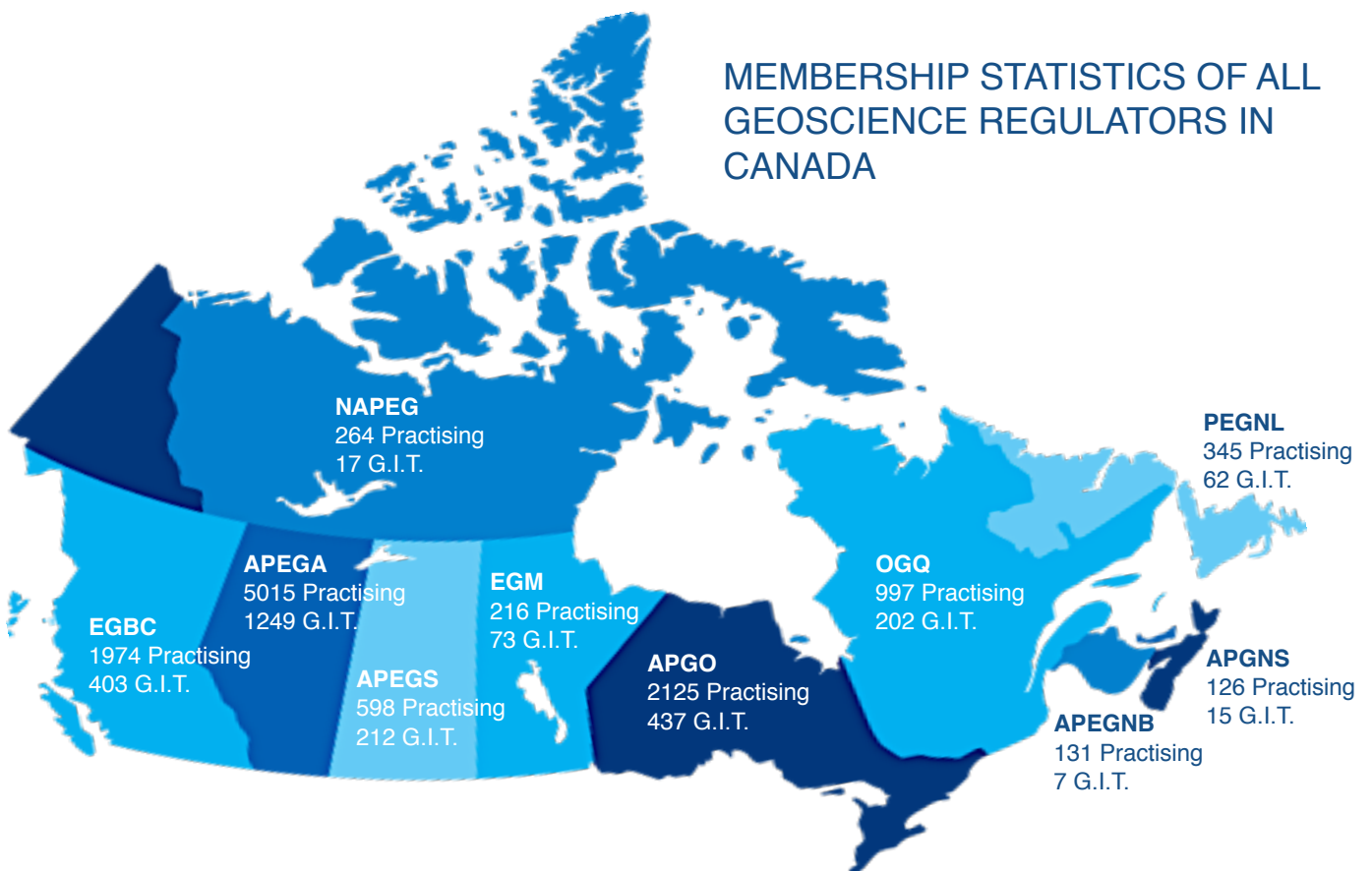
- One Practitioner
- Two Practitioners
- Three or More Practitioners

TOTAL P.GEO. APPLICATIONS RECEIVED & A.I.T.



- 118 P.Geo. Applications Received
- 37 Registered Elsewhere in Canada (A.I.T.)

MEMBERSHIP STATISTICS OF ALL GEOSCIENCE REGULATORS IN CANADA





PROFESSIONAL DEVELOPMENT

Growing professional development initiative through a collaborative framework: 2017 saw APGO enhancing its efforts to plan and build a more structured Professional Development (PD) events for its members going forward. While we continue to host networking events for members to promote meaningful connections and facilitate knowledge exchange, we also plan to grow our PD program to create more value to our members. This initiative uses a collaborative framework that taps on the expertise of our members while leveraging APGO's partnerships with other stakeholders in the geoscience field.

In the Fall of 2017, APGO in collaboration with the Ministry of Environment and Climate Change (MOECC), hosted an information session on the ABCs of Conceptual Site Models. The event was part of APGO's initiative to provide a forum for the MOECC and APGO members to come together to bring clarification on expectations around Record Site Condition (RSC) and Risk Assessment (RA) submission. It was also a forum to bring to light the challenges that QPs have around submissions, which in turn also informed the Ministry where to focus their efforts in developing guidance to support QPs. This partnership opened up opportunities for more collaborations, a number of which were implemented in the first half of 2018.

APGO prides itself for having dedicated and committed volunteers who serve on various committees to support our statutory mandate. In partnership with APGO staff, our volunteers take on active roles in our professional development and networking events, outreach to universities across Ontario and in our mentoring program.



PROFESSIONAL DEVELOPMENT

APGO wishes to thank its 2017 roster of speakers and presenters who collectively provided 19 learning opportunities to approximately 800 participants. These events were made possible through the great efforts of APGO's Regional Councillors and Councillors-at-Large and supported by the APGO staff.

Jean M. Richardson, C.Chem.	A Wildlife Photography Expedition to the Canadian High Arctic: A Geologist's Perspective
Bill Mercer, P.Geo. (Presented in Peterborough, Ottawa and Thunder Bay)	Mineral Exploration Health and Safety - Implications of the PDAC Health and Safety Knowledge Base for the Professional Geoscientists and Engineers
Dr. Peter Lightfoot, Ph.D., P.Geo.	Nickel Sulfide Ore Deposits and Impact Melts: Origin of the Sudbury Igneous Complex
Dr. Richard J. Ford, Ph.D.	SNOLAB Underground Laboratory: An Introduction to the Facility, Science and Experiments
Judith Wright M.Ed. CTD	Write Like a Pro! Top 6 Essentials of Effective Technical Writing
Dr. Colby Steelman, Ph.D., P.Geo.	Hydrogeophysics: Understanding Contaminant Transport and Fate to Source Water Management and Protection
Dr. Oliver Warr, Ph.D.	Using geochemical footprints to explore the ancient hydrosphere of the crystalline basement
Laura Olmsted, P.Geo.	A Novel Approach to Solving Water Challenges in Africa
Rosemary Ash, P.Geo.	The ABCs of Preparing Conceptual Site Models (under O.Reg. 153/04)
Bill Leedham P. Geo., CESA, QPESA David Wade, P. Geo., CRM, FRM, QPESA, QPRA	RSC: Getting it Right - From Aerials to Zoning
Dr. David Good, Ph. D., P.Geo.	Resource Development from a Multi-Disciplinary Perspective
Dr. David Good, Ph.D., P.Geo. Dr. David Lentz, Ph. D., P.Geo. Dr. Jim Miller, Ph.D.	Fundamentals of Exploration Geochemistry for Precious Metal Systems
Dr. Pablo Sobron, Ph.D.	Advanced Planetary Sensing - Technology Opportunities for Mine and Mineral Industries
Dr. Jennifer McKelvie, Ph.D., P.Geo.	The Role of Geoscientists in Evidence-Based Decision Making
Patrick McAndless, P.Geo.	Your Career Your Brand
Christine Petch, P.Geo.	Enterprise Risk Management in Mining and Mineral Exploration
Craig Waldie, P.Geo. and James Whyte, P.Geo.	Overview of NI 43-101 and Mining Disclosure Basics NI 43-101 Technical Reports: Basics and Pitfalls





APGO would also like to acknowledge all P.Geo.'s who generously volunteered as mentors in our Mentoring Program. In 2017, 22 mentoring matches were made. When asked about what the most valuable element of the Mentoring Program was, a mentor had this to say: "The mutual partnership between mentor and mentee and seeing my mentees and myself grow as a result."

This list includes names of mentors who joined the program from its pilot phase in 2015 to December 31, 2017:

Delwar Ahmed

Leon McGarry

Joy Rutherford

Christopher Hawley

Nataliya Tkach

Paul Hubley

David Leng

Sonja Strynatka

Hernan Uglade

Nicole Januszcak

Neil McCallum

Paul Teneire

Rhonneke Van Riezen

Quotes from Mentors and Mentees

"I gained confidence of being in a field that was not well known to me and I felt like I was taking a stab at something in the dark. J--- opened up the doors and showed me different opportunities and how I can apply myself. She also gave me confidence as a woman to work in this male dominated field." - Mentee

"My mentor was very knowledgeable and he knew the problems I was encountering and how to manage them." – Mentee

"I have built a friendship with my first mentee and am so excited to see where she will go with her career. I feel that our meetings were helpful to her and help with confidence and direction." – Mentor

"I think it is a great program that exposes areas and avenues of the industry that are not well known or taught in university. I think that the mentees gain a better understanding of the various fields and what they entail and I think as a mentor, it is very gratifying to be able to answer questions and give advise based on personal experiences." - Mentor



COMMITTEE REPORTS



EXECUTIVE COMMITTEE

CHRISTINE VAILLANCOURT, P.GEO., CHAIR

The Executive Committee is responsible for implementing policy decisions of Council and providing management of the Association on behalf of Council. This committee may take interim action in the event of an emergency where time does not permit the meeting of Council. The Committee is responsible for initiating proposals for submission to Council and reviewing budgets and expenditures. It also undertakes the annual or periodic review of the CEO, Registrar and/or senior management while handling administrative related matters that may arise from time to time.

In 2017, the Committee met mostly for emergency issues and to initiate proposals for Council discussion and review. Minutes from Committee meetings were presented to Council for review at the following Council meeting.

COMPLAINTS COMMITTEE

DOUGLAS CATER, P.GEO., CHAIR

The Complaints Committee was very active during 2017, with a total of nine complaints (C-122, C-123, C-124, C-125, C-126, C-127, C-128, C-129 and C-130) reviewed. As of yearend, a total of two complaints C-127 and C-130 were carried over into 2018 that remain outstanding, and are currently in the review process. The complaints, while confidential, were quite diverse in nature and were reviewed by committee members.

On behalf of the Complaints Committee, I want to extend thanks to all of our panelists who volunteered their time to participate in the complaint review process and seeing these complaints through to a timely conclusion. Special thanks go to Martin Taylor and David Kerr for their continued support to the committee and to APGO.





REGISTRATION COMMITTEE

JOHN RYDER, P.GEO., CHAIR

AFTAB KHAN, P.GEO., REGISTRAR

The role of the Registration Committee is to review all applications for registration and determine their acceptability for membership. This Committee also has responsibility for establishing academic standards for admission and the administration of the Professional Practice and Ethics Exam. In recent years the Registrar and regional councillors have been active in reaching out to educational institutions to ensure that they are aware of the academic requirements for licensure for professional geoscience in Ontario. The success of these endeavours is reflected in:

- a twenty three (23) fold increase in student membership from 28 in 2008 to 639 in 2017;
- a forty nine percent (49%) over year (2016 to 2017) increase in student membership;
- a seven (7) fold increase in Geoscientist-in-Training (G.I.T.'s) membership from 63 in 2008 to 437 in 2017;
- a twenty nine percent (29%) over year (2016 to 2017) in Geoscientist-in-Training (G.I.T.'s)

The Committee met eight times in 2017 and reviewed a total of 330 applications. The Committee also reviewed change of designation applications (such as from G.I.T. to practising) and the re-review of deferred applications where additional information was provided.

A total of 262 applications were accepted including 129 practising, 125 G.I.T.s, 6 Limited and 2 Temporary members which in conjunction with new 312 student members resulted in a total of 574 new members in

2017. At the end of 2017 APGO membership stood at 3,393 members. APGO's membership breakdown by class is presented earlier in this annual report.

The 2017 numbers represent a total increase in membership of 228 from 2016. The APGO also issued 12 new Certificates of Authorization in 2017. The current list of members in good standing and Certificates of Authorization can be searched on the APGO website at <http://www.apgo.net>.

A total of 262 applications were accepted including 129 practising, 125 G.I.T.s, 6 Limited and 2 Temporary members which in conjunction with new 312 student members resulted in a total of 574 new members in 2017.

The makeup of the current APGO membership by gender clearly shows a large gender gap in P.Geo membership reflective of the history of the profession.

That large gap, based on the current G.I.T. and student female membership, 39% and 49% respectively, is being closed as G.I.T and student membership nears parity (45% female v's 55% male).

The continuing year over year increase in membership is indicative of a healthy organization and is reflective of the dedicated work done by volunteers and staff of the Registrar's office.

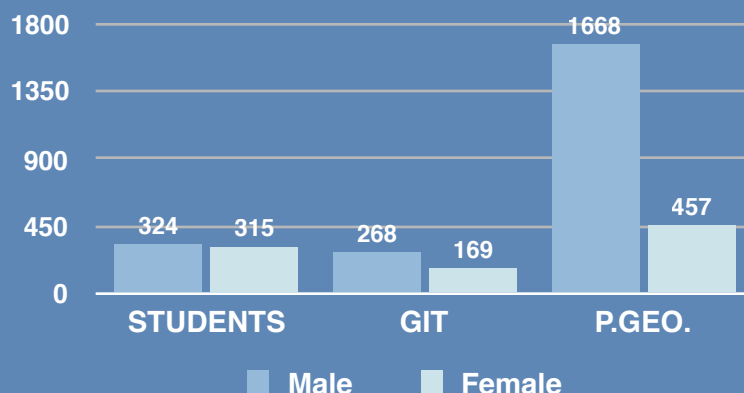
The APGO wishes to express gratitude to the volunteer members of the Registration Committee for their ongoing dedication in assessing applications. The staff continues to be amazing and is the backbone of the Committee.





DID YOU KNOW?

2017 MEMBERSHIP BY GENDER



GOVERNANCE COMMITTEE
DAVID M. LENG, P.GEO., CHAIR

The Governance Committee is a Standing Committee of Council which is responsible for monitoring the overall function of Council and the Association. It develops and presents a governance model for APGO for adoption by Council and ratification by the membership.

The committee monitors the overall function of Council and the Association to ensure compliance with the *Professional Geoscientist Act (2000)*, Regulations and By-laws and that it adheres to all other pertinent standards and practices expected of a self-regulating professional associations.

The committee receives nominations for elections to Council per By-law 8. It also recruits and recommends non-member appointments to Council.



FINANCE COMMITTEE
SHELLY CUDDY, P.GEO., CHAIR

The Finance Committee is a Standing Committee of Council responsible for general oversight of the finances for the Association. This includes ensuring that financial policies and procedures of the Association are followed, overseeing the development and approval of the annual budget, monitoring the financial performance of the Association on an ongoing basis and providing periodic reports and recommendations to Council as required.

In 2017, The Finance Committee oversaw the development of Investment and Reserve Fund Policies to better define how the Association's reserve funds are managed in conjunction with supporting the goals and strategies contained in other APGO policies and operational plans.



Membership and enrolment in the Association continued to remain strong in 2017. The Association realized a net surplus in 2017 and remained in a healthy financial position at the end of the year.

AUDIT COMMITTEE

DENNIS WADDINGTON, P.GEO., CHAIR

The Audit Committee is a Standing Committee of the APGO, appointed by and reporting to Council to assist Council in fulfilling its fiduciary responsibilities regarding APGO's financial affairs. The committee is presently comprised of four members, a mixture of APGO members and non-members. It is not involved in the daily accounting functions of APGO, but instead oversees the independent audit process and finalization of financial statements for approval by Council as its primary function. It also:

- assesses performance of the external independent auditors and recommends annually to Council the appointment of auditors for the ensuing year, for approval at the annual general meeting of members held in June;
- is available to meet independently with the external auditors to discuss any concerns they may raise during their audit or otherwise;
- on behalf of Council oversees the establishment and implementation of appropriate accounting policies and internal financial controls to ensure integrity and compliance of the accounting and reporting processes of APGO; and
- oversees and assesses financial risks of APGO.

The Audit Committee meets two to four times per year mainly in the first few months while the audit is being planned and executed and audited financial statements are prepared for approval by Council. In the past year it held meetings internally and met with the auditors and with management as it oversaw the process and procedures of the annual audit of the 2016 financial statements of the Association. The committee establishes and follows a schedule of procedures to help ensure a timely audit. Bateman MacKay LLP, headquartered in Burlington with

offices in Mississauga, is our auditor. At the time of the writing, the audit of 2017 is getting underway and is expected to be completed for presentation to Council at its meeting on March 8, 2018.



PROFESSIONAL PRACTICE COMMITTEE

PAUL HUBLEY, P.GEO., CHAIR

The Professional Practice Committee (PPC) has a mandate to develop guidelines for practising Geoscientists, contributing to professional development activities, maintaining standards of ethics, and overseeing the four member subcommittees (Geology, Geophysics, Environmental and Geomorphology).

In the past year the PPC, with significant contributions from members of all four subcommittees, developed a draft peer review guideline that will be brought forward to Council in 2018. The PPC also provided support to the formation of the Geomorphology Subcommittee, new to APGO this year. The PPC worked with the Executive Committee to develop additional responsibilities in the review of Continuing Professional Development (CPD) requirements.

The PPC also reviewed the present state of professional practice guidelines in order to develop priorities for new guidelines and/or revisions to existing guidelines, to ensure that APGO continues to provide high quality and relevant information to members and the public.





DISCIPLINE COMMITTEE BRAD LEONARD, P.GEO., CHAIR

The Discipline Committee is responsible for hearing and making determinations on cases of professional misconduct, malpractice, negligence or incompetence brought against a Member or Certificate holder by a complainant.

The Committee convened no hearings in 2017 and one case was sent to Discipline from the Complaints Committee late September 2017. A Panel has been convened and the hearing will take place in 2018.

Regular meetings of the Discipline Committee continued to be held by teleconference on a quarterly basis.

For the purpose of administration, the Committee Chair and Vice Chair hold two-year positions with the Vice Chair (Mike Jones, M.Sc., P.Geo) moving to the Chair position on completion of the current Chair's mandate in June 2017.

From its 17 members currently, the Committee maintains two Standing Hearing Panels, composed of experienced professional and public members, and an alternate Panel, for immediate deployment if the need arises.

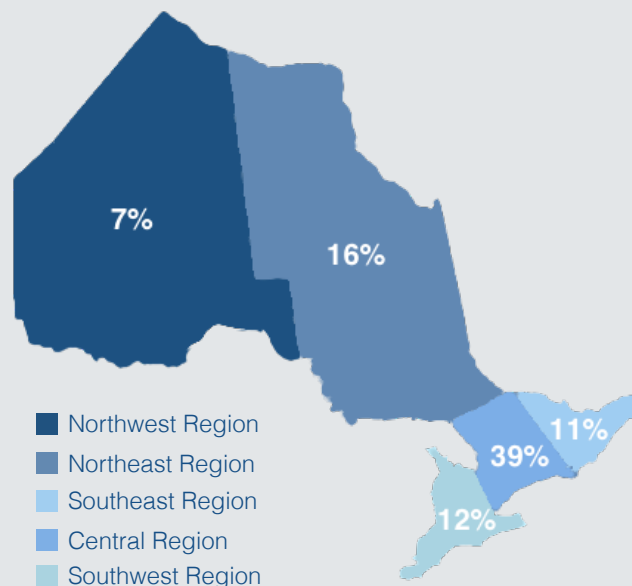
During 2017, two Councillor non-members resigned from the committee, Visha Sukdeo and Rusty Juma.

Both have been part of Disciplinary panels and their contributions will be missed.



DID YOU KNOW?

APGO members in Ontario by region



GEOPHYSICS SUBCOMMITTEE MILAN SITUM, P.GEO., CHAIR

The Geophysics Subcommittee is a subcommittee of the Professional Practice Committee, a Standing Committee of Council. The mandate of the Geophysics Subcommittee is to support the Professional Practice Committee in fulfilling its mandate, with respect to the practice of Geophysics, including developing standards and guidelines for the practice of professional geophysics and undertaking other professional practice matters as they may arise from time to time.





GEOLOGY SUBCOMMITTEE

BEN BERGER, P.GEO., CHAIR

The Geology Subcommittee's mandate is to address issues pertaining to professional geoscience, as they arise; to develop the standards of practice that govern how members should conduct their professional activities and to support the Professional Practice Committee in fulfilling its mandate with respect to the practice of geology.

During the past year a draft report of guidelines for peer reviewed documents was prepared in consultation and input from all subcommittee leaders and submitted to the chair of the Professional Practice Committee. The Geology Subcommittee awaits the next step in preparation of the document.

undertaking other professional practice matters as they may arise.

Central to this mandate is liaison work with the Ontario Ministry of the Environment and Climate Change (MOECC) to monitor regulatory changes that affect the practice of environmental geoscience. In 2017, the subcommittee and its members continued to interact with the MOECC on various regulatory changes and policy initiatives.

Highlights of the subcommittee's activities over the past year include:

- Formal commenting on the MOECC proposed Excess Soil Regulation posted on the Provincial EBR Registry.
- Meetings with senior MOECC staff to reinforce the role of Qualified Professionals (QPs) and compliance with O.Reg.153/04 (Records of Site Condition) of the Environmental Protection Act.
- Ongoing participation in the development of technical guidelines for the management of excess fill, including attendance at working group meetings for chemical standards and sampling.
- Attendance and participation at meetings hosted by the MOECC Modernization of Approvals Branch (now known as Environmental Assessment and Permissions Division).
- Representation at the MOECC Water Quantity Protection External Working Group.
- Outreach to post-secondary institutions including the University of Toronto, University of Waterloo and Conestoga College.
- Collaboration with the MOECC and its consultants on the Water Well Record Improvement Program.

The subcommittee communicates via electronic mail and meets as-required through teleconferencing.



ENVIRONMENTAL SUBCOMMITTEE

RON ORMSON, P.GEO., CHAIR

The Environmental Geoscience Subcommittee reports to the Professional Practice Committee. The mandate of the subcommittee is to support the work of the Professional Practice Committee including developing standards and guidelines for the practice of professional environmental geoscience and





GEOMORPHOLOGY SUBCOMMITTEE

ROGER T.J. PHILLIPS, P.GEO., CHAIR

The Geomorphology Subcommittee reports to the Professional Practice Committee (PPC). In 2017 the subcommittee met twice via teleconference, and initiated working groups to develop a position statement on the professional practice of Geomorphology in Ontario. A draft position statement has been submitted to APGO Council as a basis for outreach and consultation with industry stakeholders moving forward in 2018.

The position statement presents a comprehensive definition of applied geomorphology with its foundations in geoscience. It outlines criteria to distinguish Geomorphology in interdisciplinary work and recommends standard knowledge and expectations for Qualified Geomorphologists, with special consideration of geoscience practices in fluvial geomorphology.

Outreach plans in 2018 include a number of industry conferences relevant to applied Geomorphology in Ontario, including TRIECA in Brampton (March 2018) and Natural Channel Systems in Guelph (May 2018).

The Geomorphology Subcommittee's work in 2017 has also included regular contributions to the Registration Committee and consultations on a number of other APGO initiatives.

Specifically, the subcommittee has provided support for APGO's proposed updates to the Professional Geoscientists Act and for the PPC's initial work to develop peer review guidelines for geoscientists.



APGO REPRESENTATION ON NATIONAL COMMITTEES, GEOSCIENTISTS CANADA

MARK PRIDDLE, P.GEO., CHAIR

Geoscientists Canada (GC) exists to serve the profession of geoscience in Canada. The organization works on behalf of its members – the nine regulatory bodies that register geoscientists and regulate their practice in Canada's provinces and territories, including Ontario. Internationally, Geoscientists Canada liaises with other national organizations for the profession of geoscience in other countries and APGO has been active in the building of these relationships.

GC also facilitates and coordinates national projects designed to enhance protection of the public and safeguard public interests as related to geoscience practice.

Some of Geoscientists Canada's work includes improving standards of geoscience practice, fostering consistent admissions decisions and setting competency requirements, and enhancing national and international mobility for Canada's professional geoscientists. GC received funding for Phase 2 of the admission support tools (AST) project for the profession from Employment and Social Development Canada and has initiated this work.

GC began a review of the General Knowledge and Experience requirements in 2017 as part of a five-year review. In addition, in the latter half of 2017, GC embarked on a search for a new CEO with the impending retirement of the present CEO. It is noted that the new CEO is Andrea Waldie, P.Geo. (Former CEO of APGO) who was appointed in February 2018.





DID YOU KNOW?

Each year, APGO holds a photo contest and all members are asked to participate. With permission, the photos are later used in APGO publications to enhance the public's appreciation for geoscience. The membership is also asked to vote for their favourite photo. The winner of the 2017 Photo Contest was **Gary DeSchutter, P.Geo.** whose photo is featured above and on the cover of the Annual Report.

IN MEMORIAM

APGO would like to acknowledge the passing of:

Mr. Carmen Christopher Storey P.Geo.

Mr. Robert Forest Calhoun, P.Geo.

Mr. Joseph Michael Housam, G.I.T.

Mr. John Parish, P.Geo.

Mr. Robert William Hodder, P.Geo.



FINANCIAL STATEMENTS

YEAR END DECEMBER 31, 2017

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Audited Financial Statements

Year Ended December 31, 2017

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

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Year Ended December 31, 2017

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INDEPENDENT AUDITOR'S REPORT

To the Members of Association of Professional Geoscientists of Ontario

We have audited the accompanying audited financial statements of Association of Professional Geoscientists of Ontario, which comprise the audited statement of financial position as at December 31, 2017 and the audited statements of revenues and expenditures, changes in net assets and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Audited Financial Statements

Management is responsible for the preparation and fair presentation of these audited financial statements in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of audited financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these audited financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the audited financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the audited financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the audited financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the audited financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the audited financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

(continues)

Independent Auditor's Report to the Members of Association of Professional Geoscientists of Ontario *(continued)*

Opinion

In our opinion, the audited financial statements present fairly, in all material respects, the financial position of Association of Professional Geoscientists of Ontario as at December 31, 2017 and the results of its operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

Bateman Mackay LLP

Mississauga, Ontario
April 2, 2018

CHARTERED PROFESSIONAL ACCOUNTANTS
Licensed Public Accountants

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

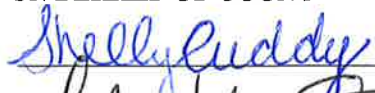
Audited Statement of Financial Position

December 31, 2017

	2017	2016
ASSETS		
CURRENT		
Cash	\$ 944,549	\$ 828,892
Short term investments (Note 2)	1,162,489	1,153,646
Membership fees receivable (Note 3)	266,864	228,928
Prepaid expenses	21,990	17,573
	<u>2,395,892</u>	<u>2,229,039</u>
PROPERTY, PLANT AND EQUIPMENT (Note 4)	<u>28,839</u>	<u>19,474</u>
	<u>\$ 2,424,731</u>	<u>\$ 2,248,513</u>
LIABILITIES AND NET ASSETS		
CURRENT		
Accounts payable and accrued liabilities	\$ 42,411	\$ 50,281
Dues received before acceptance for membership	5,474	5,535
HST and payroll taxes payable	140,033	133,912
Deferred revenues (Note 5)	1,080,176	1,016,284
	<u>1,268,094</u>	<u>1,206,012</u>
NET ASSETS		
Operating Fund (unrestricted) (Note 6)	114,136	-
Contingency Reserve Fund (internally restricted) (Note 6)	878,940	878,940
Strategic Initiatives Fund (internally restricted) (Note 6)	163,561	163,561
	<u>1,156,637</u>	<u>1,042,501</u>
	<u>\$ 2,424,731</u>	<u>\$ 2,248,513</u>

LEASE COMMITMENTS (Note 7)

ON BEHALF OF COUNCIL

 Councilor

 Councilor

The accompanying notes are an integral part of these financial statements.

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Audited Statement of Revenues and Expenditures

Year Ended December 31, 2017

	2017	2016
REVENUES		
Membership dues	\$ 1,050,913	\$ 1,007,595
Registration fees	70,450	62,410
Professional development revenue	18,743	-
Exam fees	9,600	36,803
Advertising and sponsorship	9,442	11,680
Interest earned	8,843	9,509
Stamps and seals	7,375	5,736
Function fees	3,636	2,521
Administration fees	491	6,660
	<u>1,179,493</u>	<u>1,142,914</u>
EXPENDITURES		
Administrative wages and benefits	507,842	452,958
Occupancy costs	98,366	98,559
Legal, professional and government relations	81,709	87,756
CCPG (Geoscientists Canada) membership	81,196	78,800
Travel and accommodation	36,137	25,905
Office and general	34,343	37,954
Accounting and audit	33,680	19,657
Interest, credit card and bank charges	30,670	30,035
Website	29,750	20,829
Member meetings	28,026	21,318
Communication	24,757	20,494
Professional development course expenses	19,728	-
Liability insurance	16,439	17,629
Foundation support (Note 8)	14,198	22,500
Examination services	8,641	30,017
Stamps, seals, cards and certificates	7,312	3,867
Amortization	6,867	5,852
Advertising and promotion	5,596	1,852
Donations	100	-
Bad debts	-	164
	<u>1,065,357</u>	<u>976,146</u>
EXCESS OF REVENUES OVER EXPENDITURES	<u>\$ 114,136</u>	<u>\$ 166,768</u>

The accompanying notes are an integral part of these financial statements.

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Audited Statement of Changes in Net Assets

Year Ended December 31, 2017

	Operating Fund (unrestricted)	Contingency Reserve Fund (Internally Restricted)	Strategic Initiatives Fund (Internally Restricted)	2017	2016
NET ASSETS - BEGINNING OF YEAR	\$ -	\$ 878,940	\$ 163,561	\$ 1,042,501	\$ 875,733
EXCESS OF REVENUES OVER EXPENDITURES TRANSFERS	114,136	-	-	114,136	166,768
	-	-	-	-	-
NET ASSETS - END OF YEAR	\$ 114,136	\$ 878,940	\$ 163,561	\$ 1,156,637	\$ 1,042,501

The accompanying notes are an integral part of these financial statements.

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Statement of Cash Flows Year Ended December 31, 2017

	2017	2016
OPERATING ACTIVITIES		
Excess of revenues over expenditures	\$ 114,136	\$ 166,768
Item not affecting cash:		
Amortization of property, plant and equipment	6,867	5,852
	<u>121,003</u>	<u>172,620</u>
Changes in non-cash working capital:		
Membership fees receivable	(37,936)	106,611
Prepaid expenses	(4,417)	(391)
Accounts payable and accrued liabilities	(7,870)	19,506
Dues received before acceptance for membership	(61)	(1,805)
HST and payroll taxes payable	6,121	5,124
Deferred revenues	63,892	(3,457)
	<u>19,729</u>	<u>125,588</u>
Cash flows from operating activities	<u>140,732</u>	<u>298,208</u>
INVESTING ACTIVITIES		
Purchases of equipment and leasehold improvements	(16,232)	(2,590)
Short term investments	(8,843)	165,491
Cash flows from (used by) investing activities	<u>(25,075)</u>	<u>162,901</u>
INCREASE IN CASH FLOW	115,657	461,109
Cash - beginning of year	<u>828,892</u>	<u>367,783</u>
CASH - END OF YEAR	<u>\$ 944,549</u>	<u>\$ 828,892</u>

The accompanying notes are an integral part of these financial statements.

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Notes to Audited Financial Statements

Year Ended December 31, 2017

STATUS AND PURPOSE OF THE ORGANIZATION

The Association of Professional Geoscientists of Ontario is incorporated under the laws of the Province of Ontario.

The purpose of the Association of Professional Geoscientists of Ontario is:

- to regulate the practice of professional geoscience.
- to establish and operate a professional association for geoscientists;
- to develop, establish and maintain standards of knowledge and skill, professional qualification, practice and ethics among members of the profession; and
- to share information, promote public awareness of the role of geoscientists and interact on matters relating to professional practice of the geoscientists with registration, licensing or regulatory bodies.

The Association of Professional Geoscientists of Ontario is a tax-exempt, not-for-profit organization.

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of presentation

The Audited financial statements were prepared in accordance with Canadian accounting standards for not-for-profit organizations (ASNFPO). Canadian accounting standards for not-for-profit organizations are part of Canadian GAAP.

Revenue recognition

The Association follows the deferral method of accounting for revenues. Membership and registration fees are recognized as revenue in the year to which they relate. Exam fees are recognized when the respective exams are written. Revenues from sales of products or services is recognized when title passes to the customer, which generally coincides with the delivery and acceptance of goods. Interest revenue is recognized when earned based on the terms of the investment agreement

Financial instruments policy

The Association initially measures its financial assets and liabilities at fair value. It subsequently measures all its financial assets and financial liabilities at amortized cost, except for investments in equity instruments that are quoted in an active market, which are measured at fair value

Financial assets subsequently measured at amortized cost include cash, short term investments and membership fees receivable.

Financial liabilities measured at amortized cost include accounts payable and accrued liabilities.

(continues)

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Notes to Audited Financial Statements

Year Ended December 31, 2017

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES *(continued)*

Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated amortization. Property, plant and equipment are amortized over their estimated useful life at the following rates and methods:

Furniture and fixtures	20%	declining balance method
Telephone system	20%	declining balance method
Computer equipment	55%	declining balance method
Leasehold improvements	60 months, (term of lease)	straight-line method

The Association regularly reviews its property, plant and equipment to eliminate obsolete items.

Property, plant and equipment acquired during the year but not placed into use are not amortized until they are placed into use.

Leases

Operating leases and rental payments are expensed as incurred.

Use of estimates

The preparation of financial statements in conformity with Canadian accounting standards for not-for-profit organizations requires management to make certain estimates and assumptions. These estimates and assumptions affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reported periods. Actual results may differ from estimates.

Financial statement items subject to significant management judgment include revenue recognition, the valuation and estimated useful lives of equipment and leasehold improvements, and the completeness of accounts payable and accrued liabilities.

2. SHORT TERM INVESTMENTS

	2017	2016
Money market mutual funds	\$ 1,162,489	\$ 1,153,646

3. MEMBERSHIP FEES RECEIVABLE

Both newly accepted members and continuing members are expected to pay membership fees by January 1, 2018 for the upcoming fiscal 2018 year. As APGO accepts members prior to the upcoming year, unpaid fees are recorded as member fee receivable as at December 31, 2017 until payment is received in January 2018. On December 31, 2017, the number of fee paying members was 2,754 (2016 - 2,562), and the number of applications for memberships that were in process of approval was 303 (2016 - 273). Out of the \$266,864 total membership fees receivable at the end of the year, \$259,464 reflect members that have not paid the 2018 fees as at December 31, 2017.

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Notes to Audited Financial Statements

Year Ended December 31, 2017

4. PROPERTY, PLANT AND EQUIPMENT

	Cost	Accumulated amortization	2017 Net book value
Computer equipment	\$ 59,825	\$ 50,938	\$ 8,887
Telephone system	7,833	5,523	2,310
Furniture and fixtures	46,219	28,577	17,642
Leasehold improvements	52,707	52,707	-
	<u>\$ 166,584</u>	<u>\$ 137,745</u>	<u>\$ 28,839</u>

	Cost	Accumulated amortization	2016 Net book value
Computer equipment	\$ 48,648	\$ 46,907	\$ 1,741
Telephone system	7,833	4,946	2,887
Furniture and fixtures	41,165	26,516	14,649
Leasehold improvements	52,707	52,510	197
	<u>\$ 150,353</u>	<u>\$ 130,879</u>	<u>\$ 19,474</u>

5. DEFERRED REVENUES

The balances in the deferred revenue accounts are comprised of membership fees billed in October of the current calendar year (2017) for memberships for the following calendar year (2018). The full amount of memberships billed at the end of the year is deferred and will be included as income in the following year.

6. NET ASSETS

The net assets of the Association are allocated as follows, for the purposes described.

Operating Fund

The purpose of the operating fund is to record the day-to-day operations of APGO.

Contingency Reserve Fund

The APGO Contingency Reserve Fund (CRF) is intended to ensure the Association has the financial resources to fund its operation in the event of unexpected interruption in the revenue flow or significant expenses including legal challenges. The CRF is maintained in the amount equivalent to at least six (6) months of operating requirements of the Association. Council is to annually review the amount of the CRF, the amount of six (6) months of operating requirements of the Association, and ensure that the annual budget will achieve an appropriate operating surplus to allow the CRF to be appropriately maintained.

Strategic Initiatives Fund

The Strategic Initiatives Fund is intended to fund the initiatives stemming from implementation of the Strategic Plan.

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Notes to Audited Financial Statements

Year Ended December 31, 2017

7. LEASE COMMITMENTS

The Association entered into a new long term lease on December 20, 2016 that expires on November 30, 2022. Under the lease, the Association is required to pay a base annual rent for the five-year term. In addition to the base rent, the Association must pay for its proportionate share of utilities, property taxes, maintenance and other related costs for the leased premises. Combined base and additional rent for 2018 is \$9,796.49 per month or \$117,557.88 for the year.

Future minimum base lease payments as at year end are as follows:

2018	\$	51,810
2019		53,825
2020		56,440
2021		58,838
2022		53,934
	\$	<u>274,847</u>

8. FOUNDATION SUPPORT

The Association has a service agreement with the APGO Education Foundation in which the APGO Education Foundation is charged based on actual usage of services provided. Under the agreement the Association provides services including bookkeeping, issuance of charitable receipts, maintenance of website and social media accounts and management of communications. These services were provided at a value of \$14,198 during the fiscal year broken down as follows:

Consulting	\$	7,947
Website services provided		4,500
Bookkeeping		1,591
Salaries and wages		<u>160</u>
	\$	<u>14,198</u>

9. FINANCIAL INSTRUMENTS

The Association is exposed to various risks through its financial instruments and has a comprehensive risk management framework to monitor, evaluate and manage these risks. The following analysis provides information about the Association's risk exposure and concentration as of December 31, 2017.

Credit risk

Credit risk arises from the potential that a counter party will fail to perform its obligations. The Association is exposed to credit risk from members. Collection is reasonably assured since members need the membership to practice, and there is no history of default. There has been no change to the risk exposures from 2016.

The allowance for doubtful accounts at 2017 is \$nil (2016 - \$nil).

(continues)

ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO

Notes to Audited Financial Statements

Year Ended December 31, 2017

9. FINANCIAL INSTRUMENTS *(continued)*

Liquidity risk

Liquidity risk is the risk that an entity will encounter difficulty in meeting obligations associated with financial liabilities. The Association is exposed to this risk mainly in respect of its accounts payable and accrued liabilities. The Association monitors its operations and cash flows to ensure current and future obligations are met. The Association believes its current sources of liquidity are sufficient to cover its short and long term obligations. There has been no change to the risk exposures from 2016.

Market risk

Market risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices. Market risk comprises three types of risk: currency rate risk, interest rate risk and other price risk. The Association is mainly exposed to interest rate risk. There has been no change to the risk exposures from 2016.

Interest rate risk

Interest rate risk is the risk that the value of a financial instrument might be adversely affected by a change in the interest rates. The Association is not exposed to significant interest rate risk on its cash and guaranteed investment certificates, due to the short-term nature of these investments. There has been no change to the risk exposures from 2016.

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