



AGM REPORTS 2020



April 7th, 2020

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ASSOCIATION OF CANADA LANDS SURVEYORS

COUNCIL MEMBERS AND STAFF

Council Members

POSITION	NAME	HOME
President	Robert Pinkerton	Calgary, Alberta
Past President	Dominique Fecteau	Mont-Tremblant, Québec
Vice President	Jim Christie	Vancouver, British Columbia
3 rd Year Councillor	Philippe J. Breau	Néguac, New Brunswick
2 nd Year Councillor	Bob Halliday	Massey, Ontario
1 st Year Councillor	Max Putnam	Corman Park, Saskatchewan
Appointed by Minister	Geoffrey Connolly	Cornwall, Prince Edward Island
Appointed by Minister	Leona Irons	Curve Lake, Ontario
Surveyor General	Jean Gagnon	Ottawa, Ontario
ACLS Executive Director	Jean-Claude Tétreault	Ottawa, Ontario

Staff Members

- Jean-Claude Tétreault, Executive-Director, Secretary-Treasurer
- Marie Robidoux, Registrar
- Kevin Jones, Assistant to the Executive Director and Board of Examiners Administrator
- Jenny Cooper, Communications and Membership Services Coordinator
- Julia Meldrum Smith, Practice Review Manager
- Marina Yong, Administrative Assistant

ASSOCIATION OF CANADA LANDS SURVEYORS

THIRTY FIFTH ANNUAL GENERAL MEETING

May 2nd, 2019 at the Hotel Halifax in Halifax, NS.

MINUTES

Note: The following is a summary of the various presentations and seminars that took place during the 35th Annual General Meeting. A copy of the audio recording will be available for all ACLS members to access

1. Call to order

Call to order by Dominique Fecteau, ACLS President and appointment of Patrick Ringwood as Parliamentarian.

2. Introductions

Dominique Fecteau introduced the current members of Council:

- Past President – Tania Bigstone, Dartmouth, Nova Scotia
- Vice President – Robert Pinkerton, Calgary, Alberta

Third Year Councillor – Doug Dodge, Williams Lake, British Columbia

- Second Year Councillor – Jim Christie, Vancouver, British Columbia
- First Year Councillor – Philippe Breau, Néguaq, New Brunswick
- Public Councillor – Geoffrey Connolly, Cornwall, Prince Edward Island
- Public Councillor – Leona Irons, Curve Lake, Ontario
- Surveyor General – Jean Gagnon, Ottawa, Ontario
- President – Dominique Fecteau, Mont-Tremblant, Québec

Dominique Fecteau also introduced the current ACLS staff:

- Jean-Claude Tétreault, Executive-Director, Registrar, Secretary-Treasurer
- Kevin Jones, Assistant to the Executive Director and Board of Examiners Administrator
- Jared Broughton, Communications and Membership Services Coordinator
- Julia Meldrum Smith, Practice Review Manager
- Marina Yong, Administrative Assistant

Dominique Fecteau continued to introduce additional guests representing different associations:

- Chris Cryderman, President - Association of British Columbia Land Surveyors
- Steve Yanish, President - Alberta Land Surveyors' Association
- Akbar Karsan, President - Saskatchewan Land Surveyors' Association
- Arno Stoffel, President of the Association of Manitoba Land Surveyors
- Al Jeraj, President - Association of Ontario Land Surveyors
- Jean Tachereau, President – Ordre des arpenteurs-géomètres du Québec
- Jaret Guimond, President – Association of New Brunswick Land Surveyors
- Derek French, Past President – Association of Prince Edward Island Land Surveyors
- Nathan Clark, President - Association of Nova Scotia Land Surveyors

- Aubrey Burt, President – Association of Newfoundland Land Surveyors
- Hal Janes, Chair – Professional Surveyors Canada
- Pedro Ortiz – Former Chair - Asociación Española de Geómetras-Expertos (AEGEX), Spain

We also welcome a few association recent past presidents:

- Roger Galibois, Association of British Columbia Land Surveyors
- Bruce Clarke, Alberta Land Surveyors Association

3. Recognition and tribute to members who have passed away

Members who have passed away were honoured in a special tribute presented during the opening ceremony.

- Philippe Mike Michaud (Commission number 1333) Passed away on July 11, 2018
- George Peter McFarlane (Commission number 1292) passed away on September 12, 2018 and
- John Samuel Pope (Commission Number 1226) passed away on March 31st, 2019.

4. Approval of Agenda

MOTION AGM 19-01: MOVED by A. Sansoucy, SECONDED by J. Johnson, that the Agenda of the 35th Annual General Meeting be approved.....**CARRIED.**

5. Approval of minutes of the 34th Annual General Meeting (2018)

The 2018 AGM Minutes have been distributed. J.C. Tétreault provided a summary.

MOTION AGM 19-02: MOVED by P. Ringwood, SECONDED by A. Karsan, that the minutes of the 34th Annual General Meeting be approved.....**CARRIED.**

6. President’s Annual Report

Presented by D. Fecteau. See Appendix A.

7. Executive Director Report

J.C. Tétreault presents a summary of his report, which was included in the AGM report made available to attendees.

The following key points were highlighted from the executive director report:

- The Pathways to Foreign Credential Recognition (PFCR) of Land Surveyors is now completed:
 - The ACLS received \$185K Funding from ESDC over 3 years
 - Have received approval by all associations
 - Adopted by CBEPS
 - Is now in operation.
- We began work on the Future of Education in Land Surveying initiative:

- The dream is to implement a National distance/blended learning online degree granting program for students wanting to enter the surveying profession
- Existing Initial Universities invited to consider participating are: BCIT, Calgary, York, Laval and UNB
- Each university to provide some of their existing online distance learning / virtual classroom courses to make up the content of the degree
- Existing Universities contacted to see if they want to take the lead as being the degree granting University, based on the development of the courses.
- The ACLS sent a proposal to ESDC for \$256K in funding
- Project has 3 objectives:
 - Update the National Syllabus
 - Modernize the CBEPS university accreditation process
 - On-line degree

The new Strategic Plan requires us to form three new working teams:

- Membership Engagement Task Force: To Improve the recognition of volunteer activities
- Membership Diversity Team
- Membership Recruiting Team

Other committee are searching for volunteers.

8. Registrars Report

M. Robidoux presents a summary of her report, which was included in the AGM report made available to attendees.

9. New ACLS Book

C. Wilkins presented a synopsis and an update on the book.

10. Land Manager Tool Kit

T. Bigstone presented the new tool kit which is in the process of being translated.

11. Surveyor General Report

J. Gagnon presents the Surveyor General's Report. See Appendix B.

12. Treasurer's Annual Report (including Auditor's Report)

J.C. Tétreault presents a summary of the ACLS financial and auditors' report.

- Membership dues continue to go down due to decreasing membership.
- Other revenue :
 - a. Contribution from NRCan : \$50,000 for EEP project. In fact, we received \$100K but \$50K deferred to 2019 because project still continued in 2019.
 - b. Contribution from Employment and Social Development Canada (ESDC) \$145,308.
 - c. TOTAL: \$195308
- Administration:
 - a. Hired Marie Robidoux in November 2017 to manage the PFCR and EEP projects. In July 2018, she was confirmed as the new Registrar.
 - b. We lost Teri in July. She has been accepted into Long-Term disability.

- AGM Costs
Again, an event planner in 2018 but ended up costing more than expected. In 2017 we had a surplus.
- Candidate expenses:
Extra cost due to Exam Enhancement Project (translation, Marie’s time, modification to on-line exam system (\$24k)).
- Council meetings:
Strategic planning so extra day, more travel. Within budget.
\$3,600 more in meeting costs, \$6,000 more in travel.
- Publicity and promotion:
 - a. David Thompson Awards Panel
 - b. Tool Kit
 - c. Some costs for the new Book (mailing of AOLS book to firms \$4,000, \$3,000 more on attending provincial AGMs, new format for annual report \$2,000, other meetings \$2,000)
 - d. \$4,000 below budget (\$5,000 from budget of IRS Committee).
- Result: Surplus of \$51,663.
- This year we are aiming for a balanced budget while being in a healthy situation.

MOTION AGM 19-03: MOVED by R. Schuler, SECONDED by A. Karsan that the 2018 financial report be accepted.....**CARRIED.**

MOTION AGM 19-04: MOVED by D. Urso, SECONDED by P. de Haan to appoint Leslie Macleod Chartered Accountants as auditors for the year 2019.....**CARRIED.**

13. Committee Reports

Representatives of each committee have provided a brief overview of their activities in the AGM booklet and questions will be permitted for each.

- By-Laws and Legislation – R. Pinkerton
- National Surveyors Conference – A. Brebner
- CHCP - J.C. Tétreault confirmed that we have 4 certified Canadian Hydrographers. Promotion has been on-going priority. We have received 2 new candidate applications. A face-to-face meeting will be held in June 2019.
- Standards of Practice – Calvin Bourassa
- Practice Review – Ryan Schuler- He encouraged for people to sign up to join the committee. We need a strong Practice Review program.
- Public Awareness - Cindy Kliaman
- CPD – J.C. Tétreault addressed that the committee is focused on future NSC seminars.
- Indigenous Relations Steering - T. Bigstone mentioned that the committee is looking for volunteers. This committee oversees all the working groups.
- Offshore Issues – J. Christie
- Board of Examiners – Patrick Ringwood

- ACLS Foundation – Patrick Ringwood- Recognized members annual contributions in dues and thanks members. J.C. Tétreault reported that the Silent Auction raised \$1,635 & 50-50 Draw raised= \$377. Total: \$2,012.

14. Regional Group Reports

Representatives of the following Regional Groups have provided a brief overview of their activities in the AGM booklet and questions will be permitted for each.

- North of 60 Regional Group
- Yukon Regional Group –Paul Burbidge- We had 4 meetings this year. Many members involved in several Stakeholder committees in the Yukon government and other areas. Members of our Regional group gave a continuing legal presentation to the Yukon Bar Association.
- Québec- D. Fecteau reported that we met once this year with SGB.

15. Update on the Practice Review Program

J. Meldrum-Smith presents the Practice Review report. She expanded on the process of a review.

16. Report from Professional Surveyors Canada

M. Thompson presented the PSC’s Report and displayed the two promotional videos prepared by PSC. He encouraged ACLS members to sign up as volunteers to get more involved with their initiatives.

17. Nominating Committee Report and Election of Officers

T. Bigstone presented the committee’s report for the 2018-2019 Council. The following names were submitted and elected by acclamation:

For President: Robert Pinkerton, ALS, BCLS, CLS, SLS Calgary, Alberta

For Vice-President: Jim Christie, CLS, BCLS, Vancouver, British Columbia

For 1st and 2nd Year Councilors (2 positions):

Max Putnam, SLS, CLS, Saskatoon, Saskatchewan

Robert Halliday, OLS, CLS, Espanola, Ontario

18. Transfer of Authority to New Council

M. Robidoux swears R. Pinkerton as the new President.

R. Pinkerton appointed Dominique Fecteau as Past President in accordance with the General By-laws of the Association. Presented a gift to Dominique.

R. Pinkerton delivers a presentation to outgoing councillors.

R. Pinkerton expresses his gratitude of our retiring members of council, Past President Tania Bigstone, and Councillor Doug Dodge. I can assure you that Tania and Doug were valuable resources to Council over the past year and we will miss them in the forthcoming one. On behalf

of the membership, I would like to thank Tania and Doug and present them with this certificate in recognition of their years of tireless service to the association.

R. Pinkerton salutes all Past Presidents:

Jim Simpson (1985-1986) , Gord Campbell (1986-1987), Tim Koepke (1987-1988) , Jean-Noël Lechasseur (1988-1990), Bob Allen (1990-1991), Bob Hinchley (1991-1992), Gérard Lachappelle (1992-1993) , Bruce Underhill (1993-1994) , Ivan Pagé (1994-1995) , Ian Edwards (1995-1996), Gordon Webster (1996-1997), Jeff Robertson (1997-1998), Terry Hauff (1998-1999), Jim Statham (1999-2000), Jim Banks (2000-2001), Patrick Ringwood (2001-2002), Wes Jamieson (2002-2003), Carl Friesen (2003-2004), Hal Janes (2004-2005), Ian Lloyd (2005-2006), Daniel Fortin (2006-2007), Marie Robidoux (2007-2008), Varick Ollerhead (2008-2009), George Schlagintweit (2009-2010), Jeff Fee (2010-2011), Rick Beaumont (2011-2012), Ivan Royan (2012-2013), Estelle Moisan (2013-2014), Gord Stark (2014-2015), Anne Cole (2015-2016), Tania Bigstone (2016-2018), Dominique Fecteau (2018-2019).

Introduction of New Councillors by New President:

- Past President – Dominique Fecteau, Mont-Tremblant, Québec
- Vice President – Jim Christie, Vancouver, BC
- Third Year Councillor – Philippe Breau, Néguaac, NB
- Second and first Year Councillors – Max Putnam and Robert Halliday
- Public Councillor – Geoffrey Connolly, Cornwall, Prince Edward Island
- Public Councillor – Leona Irons, Curve Lake, Ontario
- Surveyor General – Jean Gagnon, Ottawa, Ontario
- President – Robert Pinkerton, Calgary, Alberta

President Speech by R. Pinkerton

Fellow surveyors and distinguished delegates, surveyors from across Canada watching via our live stream, I am honoured to stand before you today as the President of the association of Canada Lands Surveyors.

I am a surveyor from Alberta, it is where I grew up. It is also the province in which I first became commissioned as a land surveyor. But it is not where I started. I was born on the West coast, and then spent several years here in the Maritimes. I still remember my father traveling from our home in Moncton to a far away place called Halifax, I am not convinced that I knew Moncton was in New Brunswick and that Halifax was in an entirely different province, but I was only 4 at the time. Truth be told the memory that is strongest in my mind of those years is of 30-foot-tall snowbanks in my front yard, of course I was only three feet tall at the time, so I am pretty sure there was a scale factor issue there.

I joined the ACLS family in 2007, it was the lack of a township plan in the middle of the province of Alberta that made me curious about Canada Lands. The township in question had been originally surveyed as a reserve but was subsequently surrendered. The provincial system did

not have a copy of that plan in the normal location where I would look so I delved deeper and found it in the CLSR. Quickly there after I contacted the ACLS and signed up as a candidate, the rest as they say is history.

I have volunteered on at least one committee of the ACLS ever since I received my commission, I have learned so much from those meetings about how to work in the Canada Lands Survey System, but more importantly how to treat people with respect, to see things from other viewpoints, and to keep an open mind even when I feel strongly about an issue. I would like to thank each and every volunteer - you are the lifeblood of the association and without you we would not function.

I also would like to thank both my wife Carrie and my partners at Universal Geomatics Solutions who have supported me through my time on council and continue to support me in this role. Now let me speak for a moment about the year ahead. You all know that times are changing; government and the public have greater expectations of us than ever before. Open and transparent governance is now a requirement, not an option. We are privileged to practice as Canada Lands Surveyors, and we cannot take this for granted. The Association must be mindful of this in all its actions.

We are also active in implementing our new 3-year plan, which goes hand in hand with our new strategic plan. Council is committed to:

- Foster the relationship between First Nation communities and the surveying profession;
- Communicate the role and value of land surveying to the public;
- Consult with related organizations and collaborate on common issues and goals;
- and
- Engage, motivate and grow a diverse and robust membership;

That should be enough to keep us busy this year!

I am looking forward to this upcoming year and the challenges ahead, to hearing new voices and old voices on council and working together as a team to address the issues that we already see and to solve the problems that have not yet arisen.

Maybe I'm an optimist but I feel like we are making really great progress here. I can say without a shred of doubt that we will succeed in anything that we put our minds to solving.

Thank you.

19. Presentation and Discussion of the Year 2019 Budget

J.C. Tétreault presented the 2019 budget.

The following key points were addressed regarding the budget:

- The budget has been approved by Council at the end of February.
- Seminar & Workshop: A high number because we planned the conference ourselves.

- Conference: Expected- balance budget. We will share 50-50 surplus (deficit) with PSC.
- Survey work-related income: Difficult to predict. We adjusted the budget for 2019. We have already reached 47% our budget.
- Other income:
 - Revenue from CBEPS
 - ACLS Book- Expect to receive \$165,950 in sponsorship this year. At this time, we have gathered \$147,000 commitments.
 - NRCan contribution= \$50,000 for the Exam Enhancement Project (EEP).
 - PFCR Project- expected contribution from ESDC= \$40,559 this year to cover the cost to end the project.
- Expenses
 - The Board of Examiners will meet face-to-face in June 2019.
 - Canadian Hydrographic Certification Panel will also meet this June.
 - Indigenous Relations Steering committee: More tools to prepare, translation, and printing.
 - Candidate: We may have to spend \$25,000 to modify the on-line system to offer it to our non-provincial candidates.
 - Supplies: Purchase of membership cards (\$10,000)
 - Practice Review: Create a new web based Practice Manual in 2019 (\$5,500)
 - ACLS Book: Expecting to pay Charles Wilkins an amount of \$60,000. Note: This will carry into 2020.
- Result: Balanced Budget.

20. New Business

No New business.

21. Date and Place of Next AGM

NSC 2020 in Mont-Tremblant, Quebec on May 20th to 22nd, 2020.

NSC 2021 in Calgary, Alberta on April 13th to 17th, 2021.

22. Final Comments

R. Pinkerton thanks the guests and delegates for their attendance and the Conference Committee for their hard work.

J.C. Tétreault thanks all sponsors and exhibitors for their participation and contributions.

23. Adjournment

MOTION AGM 19-05: MOVED by M. Robidoux and SECONDED by D. Dodge that it be resolved that the 35rd Annual General Meeting of Association of Canada Lands Surveyors is adjourned**CARRIED.**

April 1st, 2020
 Jean-Claude Tétreault
 Secretary Treasurer

Appendix A: President's Report



President's Annual Report for 2018-2019

Dominique Fecteau, a.t.c., a.g.
President, AATC
2 mai, 2019

ACLS Vision

ACLS will be a leader and valued partner in advancing the survey profession in Canada

Our Initiatives

1. Communicate the role and value of land surveying to the governance and socio-economic well-being of the country.
2. Consult with related organizations and collaborate on common issues and goals.
3. Engage, motivate and grow a diverse and robust membership.
4. Foster the relationship between First Nations communities and the surveying profession.




Strategic planning

"As I referred to in 2014, ACLS Council continues to be the best group I have facilitated, by far, in the last 10 years."

"The group is passionate, knowledgeable, committed to the profession and, as evidenced by the output, very hard working. It was, again, a great pleasure to be part of this group."


"Fewer initiatives should not be seen as a less ambitious plan. In fact, just like a laser's power is derived by aiming light, fewer initiatives bodes well for a more focused and powerful 2019 plan."

- Grant Suderman, facilitator



GREAT JOB TEAM

HOW GET BACK TO WORK



Tool kit on cost drivers


The 4 documents prepared were on the main components of a survey project:

- Project Initiation and Preliminary Planning and Research
- Fieldwork
- Plan Preparation and Office Work
- Approvals and Registration of Survey Plans


<https://www.acsl-artc.ca/lor/gm-espr/files/survey-toolkit.pdf>

Coming up:

- The Role of a Land Surveyor: the education, duties and non-duties of a land surveyor
- The Survey Plan Process: an interactive chart of a survey plan from start to finish, including examples of the relevant documents.



Online Examination System



Examination Enhancement Project

- ✓ New exam system in place since last summer
- ✓ One exam divided into 4 modules
- ✓ For Labour Mobility candidates only
- ✓ Must get 70% in total
- ✓ Looking into an on-line solution for other candidates
- ✓ Actively presenting webinars
- ✓ Catching up on French versions

Book on the CLS profession

Acclaimed author: Charlie Wilkins



Charlie started working on the book last January

Estimated cost 188K

Membership commitments of 145K


So far we have collected more than 80% of those commitments

Publication available in summer of 2020

Application to ESDC

- An up-to-date National Syllabus
- A new accreditation process for current and future learning institutions: programs leading to a degree in surveying/geomatics that leads towards a model where CDEPS sets the minimum acceptable standards within which the institutions can measure more freely
- A clear path to a Canadian online degree in surveying/geomatics in collaboration with the 6 degree granting educational institutions
- Steps to implement the online degree
- An increase in the number of land surveyors in Canada with foreign trained candidates
- Budget 256K




All-in model

Hydro certification

- The ACLS has developed a certification model for hydrographers and photogrammetrists recognized in April 2016
- Additionally in 2015, the ACLS signed a Labour Mobility Mutual Recognition Agreement with The Australian Surveying & Spatial Science Institute and The New Zealand Institute of Surveyors who co-manage the other internationally recognized certification program



Frontier and Offshore Regulatory Renewal Initiative (FORRI)

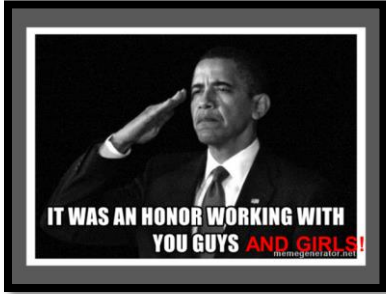
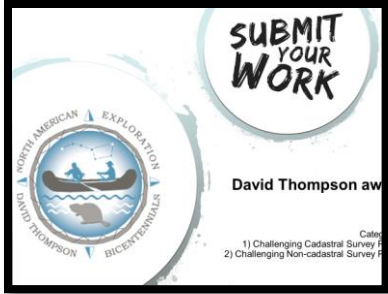


- The ACLS Offshore Committee responded to an invitation from FORRI to comment on revised policy intentions affecting offshore regulations.
- The ACLS letter was well received by FORRI staff.

Canada's Offshore Zone

- ACLS has been promoting the value and need for a marine cadastre in Canada since 1998
- ACLS has been following up on the advancement of the Fisheries and Oceans Canada project to build a Marine Geospatial Data Infrastructure (MGDI)
- Recommendations from the Task Force: Sharing: The CDE should also find early access to offshore infrastructure information in the
- Enactment: The Atlantic provinces and federal government should come to a legal agreement to grant and protect easements for any offshore infrastructure.
- Offshore Operators: Offshore operators should share and provide sufficient and standardized survey and engineering information to allow the MGDI to be populated correctly





Appendix B: Surveyor General's Report

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Annual Review - 2018-2019

Jean Gagnon, Surveyor General - Canada Lands

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Survey Programs

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Indigenous Lands activities

- First Nation Land Management
 - Currently working with 50 First Nations (totaling 281 Reserves) who are in the development stages of FNLM.
 - 57 Land Descriptions recorded in CLSR
 - 66 Draft Land Descriptions sent to ISC
 - 100 Reserve research reports delivered to ISC
 - 37 Survey Contracts issued by LABRC and NALMA

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Lands Capacity Development and Pilots

Key Goals:

- Remove barriers to effective land management and advance the success of the First Nations Lands Management Region.
- Increase First Nations knowledge of land administration systems and spatial data management.
- Enhance surveying knowledge of First Nations land managers, administrators, and decision makers, to be informed consumers of surveying services.
- Promote local inclusion by building skills and capacity for First Nations members to do work within their community, and
- Stimulate an interest in furthering education in Science and Technology, specifically Geomatics.

<https://vimeo.com/317355664>

2018-2019 success:

- Used Program staff to oversee development and delivery of the program;
- Engaged extensively, both externally as well as internally, to support the development of the program structure and training materials;
- Commenced in community training with 2 pilot First Nation communities; and
- Facilitated for two First Nation communities to begin in community training in 2019 - 2020.

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Alternative Dispute Resolution

- The Boundary Dispute Resolution Unit (BDRU) was formed in October 2018
 - Examine dispute resolution practices (Research phase)
 - Engage with Indigenous organizations and communities to determine what boundary issues exist, and identify opportunities to integrate survey knowledge and Indigenous knowledge to develop options in starting to address these issues.
- Engagement strategy
 - 34 face-to-face engagement sessions (16 with First Nations, 9 with Indigenous Organization, 8 with non-Indigenous organizations)
 - 1 workshop (with 16 representatives)
- Lessons learned:
 - Creation of any process must be community driven
 - Resolution must involve the entire community
 - Must provide a range of options
 - Must be free choice.

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Survey Contracts

- Similar value as last year
 - 82 survey contracts issued by SGB with a value of about \$4.0 M
 - 52 survey firms
 - 20 firms with multiple contracts
 - Survey contracts issued by NALMA and LABRC with a value of about \$1.4 M

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Quebec - Atlantic Mapping Program

The program

- Production of large scale (1:1 000 - 1:5 000) Topographic Maps and Orthophotos for each Commonwealth territory
- NAC Funding (Capital and Housing Program) - Contracts issued by CGC
- Modernizing Digital Mapping Standards, Condatation (ISAC)

Quebec

- The program started in 1982;
- 4 - 18 Conventions are renewed each year;
- 3 to 7 year cycle for First Nations Reserves and 2 year cycle for Cree Territories (Gentle Bay Agreement);

Atlantic

- The program is now started in 2016;
- New Brunswick and PE are completed;
- New Scotia is partially completed;
- Newfoundland and Labrador are forecasted for the next two years.

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Quebec - Atlantic History of Reserve Lands

The program

- Historical and geographical parameters and display how the evolution of Indian Reserves lands;
- Parameters include: Date, Location, Land Title Historical and Chronological of Boundary Surveys;

Quebec

- Done practice completed in 2008;
- Available on file: <https://www2.gov.bc.ca/gov/content/land/land-use-history/atlantic-history-of-reserve-lands>

Atlantic

- The project is now started in 2015;
- Narratives completed date:
 - Prince Edward Island 100%
 - New Brunswick 100%
 - Newfoundland and Labrador 100%

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

National Parks Activities

- Work continued on creation of Rouge National Urban Park with ten projects.
- Two projects were undertaken to prepare legal descriptions for an addition to Thousand Islands National Park.
- Retracement survey Kouchibouguac National Park
 - 5 Contracts - 66km of rectilinear boundary.

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Survey Regulation

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Quality Assurance

Number of errors / Reserves by system

Returns received to Resolved in CLSR / Returns (open to be resolved) (open to be resolved)

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

MyCLSS

- Yukon Land Titles Modernization
- MyKey
 - 3-years Licensing agreement in place
- CLEVER launched in August 2018
 - Most frequent critical issues:
 - Topology and structure issues - 27%
 - Layering issues occur - 26%
 - Missing entities such as the GCPs
 - Invalid object types

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Canadian Geodetic Survey

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

PPP Modernization

Date	Update
2003-10-14	CSRS PPP service launched with CIPSPACE software (147 RINEX files processed during 11 months)
2018-08-16	Transitioned processing engine from CIPSPACE to SPARK (49 500+ RINEX files processed during 11 months)
FUTURE 2019-2020	PPP with Ambiguity Resolution to be introduced. Benefits will be: <ol style="list-style-type: none"> 30% improvement in East component Much faster convergence (less s/b occupation time required)

Surveyor General Branch
Beyond Boundaries | sgb.mran.gc.ca

Reference Frames

- NAD83(CRS85) v7: CGS released a new realization of the geometric (3D) reference frame, including a new velocity model.
- NATR2022: stakeholder outreach to describe new US reference frames, and to develop the Canadian response.
- IGLD 2020: the Great Lakes height system is moving to a geoid-based based datum; CGS is coordinating a large IGLD field campaign in 2020 in preparation.
- Continuing to support geosciences such as climate change, natural hazards and groundwater.

GPS POSITIONING CANADIANS TO BE COMPETITIVE IN THE DIGITAL ECONOMY 

A MULTI-BILLION DOLLAR OPPORTUNITY

Canada's infrastructure can deliver a competitive edge for the country's economy and create jobs for Canadians. The Government of Canada is investing in infrastructure to support economic growth and job creation. This includes investing in infrastructure that supports the digital economy, such as broadband and mobile networks.

\$439 BILLION in infrastructure investment over the next 10 years

8 BILLION in infrastructure investment over the next 10 years

\$3+ BILLION in infrastructure investment over the next 10 years

75%+ of infrastructure investment over the next 10 years

OUTCOMES



- Increased productivity and economic growth
- Improved infrastructure for transportation, energy, and water
- Enhanced digital infrastructure for broadband and mobile networks
- Increased resilience and sustainability of infrastructure
- Improved quality of life for Canadians

CURRENT SITUATION

Infrastructure investment has declined significantly since the early 2000s. This has led to a decline in infrastructure quality and a loss of competitiveness for Canada.

FUTURE CAPABILITIES

Investing in infrastructure will create jobs and support economic growth. It will also improve infrastructure quality and resilience, and enhance digital infrastructure for broadband and mobile networks.


Surveyor General Branch  

Positioning, Navigation and Timing (PNT) Infrastructure Strategy

- A collaborative effort led by NRCan's Surveyor General Branch. Key partners are Transport Canada (Navigation), and the Natural Research Council (Timing).
- An opportunity to drive innovation in Canada via advanced positioning, navigation and timing services that meet challenges of the future (available and resilient).
- A positioning needs survey (2018-02/03) had nearly 500 client responses.

Positioning Components Under Consideration:

- Real-Time Wide-Area Positioning Services (RT-PPPP)
- Industry Collaboration for Improved Real-Time Kinematic Services
- Global Geodetic Observing System Core Observatory



Attendees:

Michael Barry
O'Brian Blackwell
Curtis Blackwood
Tania Bigstone
Dan Boyle
Calvin Bourassa
Greg Boggs
Gary Borne
Philippe Breau
Andrew Brebner
Paul Burbidge
Jim Christie
Geoffrey Connolly
Sandy Cooke
Timothy Crowell
Robin Cunningham
Chris de Haan
Peter de Haan
Doug Dodge
Guillaume Dubé
Dominique Fecteau
Derek French
Mike Fretwell
Jean Gagnon
Martin Gingras

Tania Gosselin
Mike Gould
Bob Gray
Dave Gurnsey
Robert Halliday
Martin Harrichhausen
Mark Hatcher
Wayne Hodges
Leona Irons
Joe Johnson
Walter Johnson
Al Karlins
Anita Lemmetty
Matthew Leblanc
Julia Meldrum Smith
Veronica Meister
Michelle Merrick
Duncan Mine
Matthew Moy
Andrew Morse
Katie Munroe
Varick Ollerhead
Jeremy Paquin
Robert Pinkerton

Max Putnam
Danica Pratt
Patrick Ringwood
Abéné Rissikatou
Steve Rose
Anna Ross
Matthew Sakatch
Ryan Schuler
Roldane Senior
Adam Stephen
Jean-Claude Tétreault
Michael Thompson
Mel Truchon
Dave Urso
Jason Wilband
David Wylie
Steve Yanish
David Young

REGISTRARS REPORTS

On December 31st, 2019 the **total number of ACLS members is 546** distributed as follows:

<u>Membership:</u>	2019	2018	2017	2016	2015
Regular:	366	398	414	439	458
Retired:	84	95	79	85	81
Associate:	6	6	5	6	4
Student:	78	78	69	58	59
Honorary Life:	11	10	9	7	6
Honorary:	1	1	1	1	1
<u>New Candidates:</u>	20	27	27	24	29
<u>Candidates:</u>	124	124	117	121	130
<u>Licences and Permits:</u>					
Licences:	285	313	327	346	363
Permits:	145	155	157	167	171
<u>Hydrographic Surveyors</u>					
Certified	4	4	2	0	0
Applicants	3	1	3	0	0

The ACLS had one complaint in 2019 which was dismissed.

EXECUTIVE DIRECTOR'S REPORT

The ACLS Staff

Teri McKay is still on medical leave and at this point we have no idea when she will return. In the meantime, Marina Yong has been doing a great job.

The Finance Committee came to the conclusion that I needed more help at the office from someone with more skills in communications and event planning so it decided to replace Jared Broughton by Jenny Cooper who is acting as Communications and Members' Services Officer since last summer. Unfortunately, her mother is terminally ill so Jenny decided to spend what time is left with her in the Bahamas. She has been a valuable resource for us working remotely from there.

GeoEd Distance Learning Portal

We are continuing to add courses to GeoEd and to help promote its services, the CPD Committee has been sending Newsletters at the beginning of each month highlighting the new courses.

The GeoEd CPD tracking module has been gaining popularity in the surveying community. Both the Saskatchewan Land Surveyors Association and the Association of Ontario Land Surveyors are now using it.

Act Amendments

Proposed amendments to the Canada Lands Surveyors Act and the Regulations were initiated in 2012.

The main topics addressed in the proposed amendments were:

- (a) the complaints and discipline processes of the Association;
- (b) federal labour mobility compliance (the Association is required to accept surveyors with provincial commissions for membership); and
- (c) the practices adopted by the Board of Examiners to bring its practices in line with other surveyor associations in Canada

All through the years 2018 and 2019, the ACLS By-laws and Legislations Committee and some members of the NRCan Surveyor General Branch staff worked on preparing a working document explaining the modifications that the Committee feels are necessary to address the topics listed above.

A summary of the proposed amendments was circulated the ACLS membership in March. The project is now in the hands of the Federal Government for next steps, which will not involve any more discussions with the ACLS.

Canadian Board of Examiners for Professional Surveyors (CBEPS)

The ACLS continues to provide the administration and registrar services for the Canadian Board of Examiners for Professional Surveyors. A report is included with the other AGM reports.

Pathways to Credential Recognition of Foreign Trained Land Surveyors:

The ACLS has successfully completed this project and CBEPS has started receiving applications from Foreign Trained Land Surveyors (FTLS) since last summer under the new regime.

FTLSs now have access to a central point of contact through a new Web site which contains all the information they need to immigrate to Canada and to practice as a land surveyors as well as forms and all the tools required to perform a self-assessment of their own credentials and what is missing and how to fill the gaps to become certified as a professional land surveyors.

The new process to assess the qualifications of FTLS was developed in collaboration with all 11 surveying regulatory bodies and the six universities who have a geomatics degree program and is managed by the Canadian Board of Examiners for Professional Surveyors.

This project was funded by the Government of Canada's (Foreign Credential Recognition Program).



Towards an online degree in surveying/geomatics

To continue to make the surveying profession more responsive, open and welcoming, it has become clear throughout the work on the Pathways to Credential Recognition of Foreign Trained Land Surveyors project mentioned above that the National Syllabus must be updated. Several components are now out of synch with the real world of surveying using the technologies available today.

Updating the national syllabus will then take the surveying profession closer to its avowed goal of setting-up an online degree in surveying/geomatics.

In 2018 all land surveying associations and the 6 surveying/geomatics degree granting educational institutions through CBEPS started a project to examine the future of surveying education. This preliminary work has taken us to this point where we are all in agreement on direction and need funding to move forward.

At the same time develop a new and improved accreditation process for current and future learning institutions programs leading to a degree in surveying/geomatics, where, for example, CBEPS sets minimum acceptable standards for what an accredited degree should contain and thereby leaving room for each institution to be different from each other perhaps in their specialties. The online degree would also be accredited in the same manner.

An online degree in surveying/geomatics is an innovative way to access specialized knowledge that will benefit many groups. For example, mature Canadian students find it nearly impossible

to quit work and move to where a degree is being taught at university – they have many obligations and often times they also have a family. It would also assist foreign trained land surveyors interested in immigrating to Canada as they could undertake to fill in the gaps in their knowledge from their country of origin reducing the time required to attain their goal of being licensed land surveyors in Canada. We also expect that it would increase the number of foreign trained land surveyors coming to Canada.

Innovation is not the only piece of this project, although it is a large part of it. Collaboration between all the Canadian surveying associations, the current educational institutions providing a degree granting program and CBEPS will deepen, providing a more seamless process for all candidates whether foreign or domestic.

A request for funding has been submitted to Employment and Social Development Canada (ESDC) in April 2019. ESDC confirmed in February that our concept was accepted. We sent a detailed submission with proposed budget last April. We are waiting for a response next summer.

ACLS Examination Enhancement Project (EEP)

In January of 2018, the ACLS started a project dedicated to improving the quality and efficiency of its current examination system. There were three objectives in achieving a more efficient examination system through the ACLS Examination Enhancement Project (EEP). These objectives were as follows:

- To provide a mechanism to allow candidates to prepare and succeed in writing the necessary examinations.
- To update study material and fill in the gaps in the French material.
- To eliminate the biannual face-to-face sitting of the examinations for candidates who do not hold a provincial surveying commission and provide greater flexibility to this entire candidate stream.

This project has been completed last March.

Labour Mobility candidates had access to an on-line exam separated into 4 modules since the Spring of 2018 and now those candidates who do not have provincial licence to practice have access to 3 on-line on demand exams eliminating the 2 face-to-face exam sittings.

ACLS Book

In November 2018, the Association of Canada Lands Surveyors Council decided to go ahead with the production of its first book on the CLS profession to be written by acclaimed author, Charlie Wilkins.

Charlie Wilkins's foregoing reputable publications include the Association of Ontario Land Surveyors' book, *Great Lengths: A Celebration of the Surveyors of Ontario*.

The overall objective of this publication is to provide a captivating and varied experience for its readers. Through the delivery of a variety of independent inviting elements that are relevant to the interests of the Association, each reader can expect to immerse themselves into a book that provides a sense of curiosity and indulgence from start to finish.

At this point, Charlie finished his interviews and is focusing on writing the text. He will present a sample of his work at the National Surveyors Conference in Mont-Tremblant.

On the financial side, we have gathered a total amount of \$135,459. We estimate that the cost will be around \$205,100, so more funding is needed.

This new publication will be available at NSC 2021.

Governance

The ACLS Council is concerned about provincial governments questioning the governance practices of licensing bodies in BC and Québec so last November it hired an expert in non-for-profit organisation governance to review all of ACLS practices and policies to be ready for any challenges in the future.

The work plan for the next year and half is the following:

1. Review/enhance Mission and Vision statements and develop Values statement
2. Review current governance policies and develop additional policies if needed, including Executive Limitations
3. Review Council terms of office and enhance Council recruitment process
4. Review ED succession planning policy and plans, specifically emergency succession
5. Strengthen Council orientation process
6. Add Council Education as standing agenda item at Council meetings; develop annual Council calendar to ensure regular review of Mission, Vision, Values, policy and plans
7. Consider/discuss ways for the Council to formally link/communicate with key stakeholder

Work began last December. Council will hold a face-to-face meeting on May 23rd to continue advancing the project.

March 4th, 2020

Jean-Claude Tétreault, CLS, a.-g. (ret.), MBA
Executive Director

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS (CBEPS)

REPORT

Exam Statistics

March 2019 - 90 candidates (8% less than last year) wrote 142 exams (9% less than last year)
October 2019 - 65 candidates (8% less than last year) wrote 102 exams (8% less than last year)
Number of Certificates of Completion issued in 2019 = 53 (9% more than last year)

Candidate Distribution (# exams written in each province, Spring/Fall) 2019

- AB (18/18)
- BC (41/28)
- MB (5/3)
- NB (1/2)
- NL (6/5)
- NS (9/3)
- NWT (2/0)
- ON (2/1)
- PE (0/0)
- YT (1/1)
- SK (5/4)

New CBEPS Registrar

Marie Robidoux is the Registrar and is very active in a number of projects including CBEPS syllabus review.

Learning Institution Exemptions

The following learning institutions obtained exemptions:

College of the North Atlantic: C4 Coordinate Systems and Map Projections, C5 Geospatial Information Systems, C8 Cadastral Studies and C12 Hydrographic Surveying, in addition to C6 – Geodetic Positioning provided last year.

York University: C12 Hydrographic Surveying

Pathways to Foreign Credential Recognition Project & Follow-up Project

The new process has been implemented in the summer of 2019.

CBEPS currently has 20 foreign trained land surveyors in the pipeline in various stages. Four are undergoing assessments and one has completed the process to the level of the learning plan which requires that the candidate write examinations or pass online courses for the following:

- C4 – Coordinate Systems and Map Projections
- C8 – Cadastral Studies
- C9 – Survey Law
- C10 – Land Use Planning and Economics of Land Development
- C11 – Business Practices and the Profession

Once this is completed the candidate will receive CBEPS Certificate of Completion.

A follow-up project was submitted to the federal government for funding. This project named “Towards an online degree in surveying/geomatics” has 3 main components:

- An update to the National Syllabus

- A new accreditation process for current and future learning institutions programs leading to a degree in surveying/geomatics engineering that leans towards a model where CBEPS sets the minimum acceptable standards within which the institutions can maneuver more freely.
- A clear path to a Canadian online degree in surveying/geomatics engineering in collaboration with the 6-degree granting educational institutions.

We have just received confirmation that the proposed project has cleared the first hurdle and that we are invited to submit a detailed proposal with a due date of April 15, 2020.

Once again this proposal is spearheaded by the ACLS for 2 reasons: first CBEPS does not have any employees, and secondly the ACLS has a successful record with the funding entity.

February 21st, 2020

Marie C. Robidoux, CLS

CBEPS Registrar

BY-LAWS AND LEGISLATION COMMITTEE

Members

Alain Jacob, CLS, a.-g., Chair, Ottawa, Ontario
David S. Urso, CLS, OLS, Yellowknife, Northwest Territories
Martin Gingras, CLS, a.-g., (NRCan Liaison), Ottawa, Ontario
Jean-Claude Tétreault, CLS, a.-g.(ret.), MBA, Executive Director, Ottawa, Ontario
James S. Simpson, CLS, OLS (Ret.), retired, Ottawa, Ontario
Marie C. Robidoux, CLS, ACLS Registrar
Robert Pinkerton, CLS, ALS, BCLS, SLS, P. Eng., (Council Liaison), Calgary, Alberta
Stewart E. MacPhee, CLS, NSLS, Antigonish, Nova Scotia

Modification in Committee Members

Marie Robidoux joined the Committee Members since the last Report.

Meetings

In 2019 the Committee met by teleconference on 8 occasions: January 22rd, February 22nd, March 26th, June 28th, September 10th, October 7th and 25th and November 26th.

Activities

There were two major activities of the committee in 2019:

1. Preparation of proposed amendments to the Canada Lands Surveyors Act and Regulations;
2. Amendments to the By-laws (for approval to Council and ACLS Members at the AGM in May 2019).

Preparation of proposed amendments to the Canada Lands Surveyors Act and Regulations

Act

In 2019, the ACLS and the Surveyor General Branch (SGB) continued to have ongoing discussions on proposed amendments to the Act, which conducted to the finalization of the proposed amendments to the Canada Lands Surveyors Act. Key changes are:

- Improving the complaints and discipline processes through greater transparency;
- Transferring administrative responsibilities from the Act and Regulations to By-laws;
- Aligning with Labour mobility provisions with the Canadian Free Trade Agreement and
- Amend incompatibilities between the English and French versions of the Act.

This year, much effort was made by the Committee to finalize ACLS recommendations for modernizing the Act. ACLS Members were recently informed about these ACLS

recommendations. Now, it is up to NRCan to move forward with ACLS proposed amendments and work with Justice Canada until they are submitted to Cabinet and untimely get the Royal Assent.

Regulations

Bylaws and Legislation Committee worked with the Board of Examiners related to the management of candidates and with NRCan to amend the Regulations in accordance with the proposed modernized Canada Lands Surveyors Act. The objective is to transfer a large portion of the Regulations to By-laws to facilitate the ACLS amendment process as required.

By-laws amendments

Four proposed amendments to the By-laws were developed during the course of 2018 and 2019 by the By-Laws and Legislation Committee. These proposals were part of an effort to “clean-up” provisions in the By-laws. By-Laws amendments 2020-1 to 2020-3 will be presented at the 2020 annual general meeting and then approved by the voting Members.

- **By-laws Amendments 2020-1 - Association features – Part 2:**
Regrouping certain sections from Parts 5 and 13 because the subject matter of those sections was more appropriate in Part 2 now titled “*The Association*” and ensuring that all Members use the same prescribed seals adopted by the Council.
- **By-laws Amendments 2020-2 - Association Officers – Part 3:**
Correcting various conflicts and inconsistencies of Part 3, *Officers of the Association*, which cause consequential amendments to Parts 1, 4 and 13 of the By-laws.
- **By-laws Amendments 2020-3 - Financial Matters – Part 5:**
Making grammatical changes and the Association seal is not used in practice by the Association as described in this section 5.9.
- **By-laws Amendments 2020-4 (draft) - Financial Matters – Part 13: Miscellaneous Matters:**
Improving and clarifying the flow when a Regulation amendments is proposed to Council.

Plans for 2020-2021

1. Work with SGB on a working document proposing changes to the Canada Lands Surveyors Regulations and consequently on sections in By-laws affected by these changes;
2. Respond to general requests from Council.

Respectfully submitted,
Alain Jacob, March 26, 2019.
Chair, By-laws & Legislation Committee

NATIONAL CONFERENCE COMMITTEE REPORT 2019

Mandate:

Planning for the annual ACLS National Surveyor's Conference, including decisions on location, venue, seminar topics and themes and related overall budget.

Members:

Andrew Brebner , Co-Chair
Rick Beaumont, Co-Chair
Brandon MacDonald, PSC Liaison
Dominique Fecteau – ACLS Past President/Council Liaison
Cindy Kliaman
Marie Robidoux
J.C. Tétreault, ACLS - Executive Director
Jenny Cooper, Staff Minutes

Activities:

Over the duration of 2019 there were 5 scheduled meetings of the National Conference Committee. Topics discussed by the Committee included Financial Statements and Registration numbers for NSC 2019, the projected Financials, Conference Theme, Guest Speakers, Seminar Topics, Programs, Advertising and Logistics for NSC 2020 in Mont Tremblant.

The Committee also discussed the logistics of having a joint meeting/NSC/AGM in 2021 with Alberta Land Surveyors Association (ALSA) in Calgary. J.C. has been in contact with Brian Munday, Ex. Director of the ALSA and is working out the details for registration issues and location with Brian. There was also some preliminary discussion on the venue and possible joint meeting with the ABCLS and PSC for NSC 2022.

The Committee would like to acknowledge the dedication and hard work of JC, Jenny and the ACLS Staff for their contribution and commitment throughout the year. Also, a thanks goes out to the NC Committee members and the local NSC Committees who continue to strive hard to ensure that the NSC's are interesting and successful.

Respectfully submitted

Rick Beaumont, CLS (retired)
Co-Chair

CANADIAN HYDROGRAPHER CERTIFICATION SCHEME (CHCS)

The Canadian Hydrographer Certification Scheme (CHCS) is sponsored by the Association of Canada Lands Surveyors (ACLS). In the CHCS, the Canadian Hydrographer Certification Panel (CHCP) and Association of Canada Lands Surveyors (ACLS) Registrar are responsible for the review and approval of candidates, and the ACLS Registrar is responsible for the review and updating the CHCP documentation.

The ACLS Offshore Committee (OC) is responsible for all aspect related to the promotion of the CHCS, including (but not limited to) as follows: advertising; attendance at conferences and seminars; CHCS pamphlet creation and distribution; contacting interested companies and soliciting candidates from those companies; and contacting other organizations to promote the CHCS.

The activities of the CHCP during 2019 were as follows:

1. Meetings

1.1 A total of three (3) GoToMeeting conference calls were held on 17 January, 18 April, and 28 October, and one (1) face-to-face meeting in Ottawa on 22 July 2019 to discuss CHCP operations, review candidate information and improve documentation. The next CHCP meeting is scheduled for 24 February 2020 in conjunction with the Canadian Hydrographic Conference to be held in Quebec City, Quebec from 24 to 27 February 2020. CHCP members not able to attend in person will be connected via a GoToMeeting conference call.

2. Documentation

2.1 The Candidate documentation updating had reached a level of maturity where that task could be taken over by the ACLS Registrar with input as needed from the CHCP. As before all of the CHCP documentation related to the CHCS can be found at <https://www.acls-aatc.ca/members-home/forms/>.

3. Promotion

3.1 Between 24 January and 05 March 2019, the OC contacted over 35 Canadian companies by phone and then followed up with an email. The list of companies was taken from as follows:

- the Public Works and Government Services of Canada (PWGSC) website;
- those companies which attended the April 2018 industry briefing event in Halifax sponsored by the Government of Canada on behalf of PWGSC and the Canadian Hydrographic Service (CHS); and
- the Canadian Hydrographic Association (CHA) corporate sponsor list.

The intention was to be able to contact individuals in those companies who would like to obtain the Certified Hydrographer (CH) or Certified Hydrographic Technician (CHTech) designation. In addition, several individuals were contacted who had expressed an interest in becoming certified.

- 3.2 In April 2019, the previously announced intention in March 2018 that the CHS would make it a requirement that for the CH or CHTech designation to be included in the evaluation process of potential CHS contractors was confirmed as seen in the following web links: <http://charts.gc.ca/help-aide/announcements-annonces/index-eng.asp>, <http://charts.gc.ca/help-aide/announcements-annonces/index-fra.asp>, <http://charts.gc.ca/data-gestion/index-eng.asp>, and <http://charts.gc.ca/data-gestion/index-fra.asp>
- 3.3 In April 2019, the ACLS funded the attendance of the then Chairman of the CHPC to attend Ocean Business 2019 (OB19) in Southampton from 08 to 11 April. Over 30 stands of interest were visited (many more than once), over 100 CHCS 2018 pamphlets were handed out, and hundreds of people were engaged. During that time, a presentation was also given at Ocean Survey 2019 (OS19) on the CHCS. There was a lot of interest in the CHCS from individuals and companies. OS19 was a two-day technical conference that focused on the technology, operations and business issues in the global field of offshore surveying.
- 3.4 In the May/June 2019 issue of Hydro International, the ACLS placed an advertisement for the CHCS (page 13) (see end of this report). In addition, in the same issue, the OC placed an article entitled “Next Step in Your Hydrographic and Surveying Career” (pages 30 and 31) regarding the CHCS and the expanding requirements for certified hydrographers for Canadian offshore surveys. Hydro International is the leading worldwide magazine focusing on hydrography.
- 3.5 In July 2019, the Director General of the Canadian Hydrographic Service (CHS) attended the CHCP face-to-face meeting in Ottawa, which was followed up with further meetings in Ottawa with the ACLS Executive Director.
- 3.6 In October 2019, the ACLS started to advertise on social networks including Facebook and LinkedIn with some positive results.
- 3.5 Between 13 November and 06 December 2019, the OC reconnected with the Canadian companies contacted previously. To date, over 20 people have indicated they will be collecting information for their submission to the CHCP in 2020.
- 3.6 In 2020, the CHCS will be promoted at the Canadian Hydrographic Conference 2020; and the OC will continue to reach out to Canadian companies and those identified at OB19.

4. Applications

- 4.1 A total of one (1) application was assessed and approved during 2019. The candidate was educated overseas but is now living in Canada. A second application was received for assessment in December. Consequently, there are now five (5) candidates who have achieved the CH designation, with one (1) candidate with an incomplete application and one (1) applicant pending certification. For 2020, there were four (4) candidates that are seeking re-certification.
- 4.2 Since its inception in 2016, the CHCP has received a total of seven (7) applications.

5. Collaboration with Other Institutions

- 5.1 The OC worked with the Australasian Hydrographic Surveyors Certification Panel (AHSCP) to implement our 2018 Mutual Recognition Agreement (MRA). In late 2018, to work out the details of how the MRA was to function, the then Chairman of the CHCP applied to become a Certified Professional Hydrographic Surveyor Level 1 (CPHS 1) which was achieved on 01 March 2019. Once the necessary CHCP to AHSCP documentation has been approved by both parties, then the OC will create the necessary AHSCP to CHCP documentation.
- 5.2 The CHCP is in communication with the Hydrographic Society of America (THSOA), and the Hydrographic Society of United Kingdom (THS UK) to help these organizations to create separate suitable certification schemes, which would meet the needs of the IBSC.

6. Members

- 6.1 Bruce Calderbank, Hydrographic Survey Consultants, Calgary, AB was the chair until July 2019, and then a member of the CHCP until October 2019. Mr. Calderbank resigned to concentrate on the promotion of the CHCS via the OC. In addition, three (3) other members left the CHCP, and one (1) new member joined.
- 6.2 The current composition of the CHCP has eight (8) members representing government, industry and academia who are as follows:
- Robert Lyall, Lyall Surveys, Victoria, BC (Chairman) (from July 2019)
 - Louis Maltais, Canadian Hydrographic Service, PQ (representing the CHS Director General)
 - Julian Goodyear, ACLS Board of Examiners, St. John's, NL
 - Ian Church, Ocean Mapping Group, University of New Brunswick, Fredericton, NB
 - David Dodd, IIC Technologies, Victoria, BC
 - Dave Matthews, Public Services and Procurement Canada, Moncton, NB
 - Derrick Peyton, IIC Technologies, NS
 - Ben Hocker, Woolpert Canada, Victoria, BC (from October 2019)

CHCP Chair – Robert Lyall

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STANDARDS OF PRACTICE COMMITTEE

Mandate:

To provide clear, effective and up to date standards for the ACLS membership by identifying issues that require general and technical standards of practice, by maintaining and updating the ACLS Practice Manual, by promoting the use of the Practice Manual by the membership, and by liaising with the Surveyor General Branch on matters relating to standards and the General Instructions for the Survey of Canada Lands.

Members:

Calvin Bourassa
Philippe Breau (Council Liaison)
Julia Meldrum Smith (Practice Review)
Carlo Monette
Cameron Twa
Irwin Natt
Jenny Cooper (ACLS Staff/Secretary)

Activities:

Your Standards of Practice Committee met eight times over the past year, utilizing the Go To Meeting software. The Committee's focus this year was on preparing sections for the future Best Practices Webpages. A general layout for the webpages was decided upon and individual topics continue to be researched and discussed by the committee members.

The Committee also worked on the following items throughout the year:

- Provided comments to SGB on Compiled Plans and amendments to the National Standards with regards to Compiled Plans
- Provided comments on an Ontario Regional Chapter on flood easement surveys
- Provided comments on Chapter 1.6, 19b, of the National Standards dealing with the intervals between monuments
- Section on digital signatures was added to the Practice Manual and the version available on the ACLS website was updated.
- Reviewed and commented on changes to the Maintenance Plan for the National Standards. The Maintenance Plan is now available on the MyCLSS website under Standards in the Research tab.
- Provided comments on proposed changes to Appendix E, of the National Standards, that deals with Digital Spatial Files

I would also like to take this time to thank the members of this Committee for their time and commitment this year.

Respectfully submitted,

Calvin Bourassa, Chair

PRACTICE REVIEW COMMITTEE

Members:

Ryan Schuler - Chair
Dominique Fecteau - Council Liaison
Julia Meldrum-Smith - Practice Review Manager
Martha Burchat
Gordon Gamble
Martin Larocque
Joe Johnson
Mel Truchon

Committee Activities:

Meetings

The Practice Review (PR) Committee met five times in 2019. All meetings were held via GoToMeeting / telephone. The PR Manager has provided written reports to the committee prior to each meeting.

Reporting

Julia Meldrum-Smith has provided excellent detail of her activities and status in her reports submitted to the committee.

Committee Activities

In 2019 the PR Committee has spent significant time discussing internal procedures and practices. We have considered a process to “Review the Reviewer” – a review of the PR Manager’s review processes.

The committee has reviewed methods to document and update the PR process and requirements. Specifically, PR Department Manual of Administrative Procedures is under review. As well, we are looking at updating the Committee Terms of Reference.

Committee membership

The PR Committee was pleased to receive two new members in 2019. Joe Johnson (BC) and Mel Truchon (ON) joined the committee and have contributed greatly to discussion.

Respectfully submitted,

Ryan Schuler
Chair

COMPLAINTS COMMITTEE

Members:

Ian Lloyd, Chair
Dominique Fecteau, Liaison
Doug Dodge, Liaison
Bill Edgerton
Rick Beaumont
Leona Irons, Ministerial Appointee
Paul Burbridge
Greg Boggs
Alain Sansoucy

Activity:

The Association received one complaint in 2019.

The complaint was received on January 20th, 2019.

The committee met on March 4th and requested additional information. The requested information was received March 8th. The committee met for a 2nd and final time on March 11th. The committee unanimously agreed that there was no evidence to support a finding of professional misconduct or incompetence. A recommendation was sent to the ACLS Council that the complaint be dismissed.

The committee appreciates the support provided by the Registrar, Marie Robidoux, during the complaint process.

Changes:

Doug Dodge has stepped aside from the committee and Dominique Fecteau has taken on Doug's previous role as Council Liaison. Thank you Doug and welcome Dominique.

Respectfully submitted,

Ian Lloyd, January 2nd, 2020
Chair, Complaints Committee

CONTINUING PROFESSIONAL DEVELOPMENT COMMITTEE

Terms of Reference

The committee, together with the Registrar, shall identify and evaluate professional development opportunities in response to the requirements of the By-laws, Council and members, and with the approval of Council, prepare, have prepared, or acquire professional development training opportunities for members.

Committee Membership at the start of 2019:

- Reid Egger, CLS, Chair, Edmonton AB
- Philippe Breau, CLS, Neguac NB
- Murray LeGris, CLS, Toronto ON
- Gordon Stark, CLS, Winnipeg MB
- Brent Taylor, CLS, Duncan BC
- Elden Pfeiffer, CLS, Whitehorse Yk
- J.C. Tetreault, CLS, ACLS Executive Director, Ottawa ON
- Jared Broughton, ACLS Office Administrative Assistant, Ottawa ON

During this year, our committee said good-bye and happy retirement to long-standing committee member, colleague, and friend Murray LeGris. To try and fill Murray's shoes, we welcomed Saeid Sedaghat, CLS from Carp, On., and Maryna Hanna, CLS from Lindsay, On. We were also pleased to welcome Julia Meldrum-Smith, the ACLS Practice Review Manager as a member to help bring her experience and insights to bridge the gaps between practice review and professional development. Thanks to everyone on the committee past and present for their continued hard work, fresh ideas and dedication to the profession. I would also like to thank Jenny Cooper with the ACLS for her continued administrative support to keep us on track and for doing so much behind the scenes.

Activities:

The committee met 9 times this year and hosted several meetings of the GeoEd Advisory Panel.

This year, we strove to continue to engage the membership in determining what they need from us to provide them with meaningful professional development. We also continued our focus on getting back to basics; to provide those meaningful opportunities on a regular basis, to communicate those opportunities better and to look at the media that we use to provide them.

GeoEd continues to be the one of the pillars of our service. With a geographically diverse membership with a broad scope of practices, this is one of the best ways that our members can achieve their professional development goals. There is a wealth of material on GeoEd and while it continues to grow in quantity, we want to make sure that it grows in quality too. This

year our goal was to provide new, relevant content to GeoEd every month. What with busy schedules all round, we did not achieve that goal this year, I think we were able to start some momentum to reach that goal in 2020. Keep an eye out in the monthly GeoEd emails for upcoming and recently added content.

We also worked with J.C. and the GeoEd Advisory Committee to update their Registered Providers Guide. This guide has not been updated for a number of years and did not reflect how we actually work with content providers. The new edition of this Guide provide clearer requirements and removed some of the unnecessary barriers to becoming a registered provider and being able to provide meaningful content.

We have been working hard with our conference partners, Professional Surveyors Canada (PSC), the Canadian Council on Geomatics (CCOG), the Working Party on Land Administration (WPLA) of the United Nations Economic Commission for Europe (UNECE), and the Canadian Geomatics Engineering Conference (CGEC) to make the professional development opportunities at the National Surveyors' Conference the broadest and deepest that we have seen in years. As well as supporting our partners in planning their programs, we identified a couple of topics that would appeal to practicing Canada Land Surveyors specifically for the Thursday of the conference. With the session theme of *Succession Planning – Turning Backsight into Foresight*, we hope to engage land surveyors at any stage of their career path and help them work within a demographically diverse workplace to reach their career goals and beyond. We also wanted to ensure that we are enabling practicing land surveyors in performing their professional obligations to society by engaging members of the Surveyor General Branch and the ACLS Practice Review Manager with some insights on what they see as challenges that surveyors have in producing quality survey products in the past year.

The CPD Tracking system continues to provide a good way for members to keep track of their CPD time and for the Association to fulfil their obligations under the By-laws to monitor the Mandatory CPD Program. More sister associations are jumping on board with this system. It is becoming more and more important for professional regulatory organizations across the country to demonstrate that they are regulating their profession in the best interest of the public.

Let us know what continuing professional development opportunities that you would like us to deliver in the future. We look forward to your ideas and recommendations.

I would like to take this opportunity, to anyone who managed to read my ramblings to the end, to invite you to NSC 2021 in my hometown of Calgary. I am excited about helping to plan the seminars for it and look forward to seeing many of you there.

Reid Egger, CLS, ALS, BCLS, P Eng
Chair, Professional Development Committee

INDIGENOUS RELATIONS STEERING COMMITTEE (IRSC)

Members

Tania Bigstone, Halifax, NS (LAB - Resource Centre)

Marcel Cadoret, Baie-Comeau, QC (Private Practice)

Joe Iles, Whitehorse, YT (Private Practice) **Chair**

Danica Pratt, Edmonton, AB (NRCan, SGB)

Max Putnam, Saskatoon, SK (Private Practice) **Council Liaison**

The IRSC membership was changed this, in part to revitalize the Committee. We thank departing members, Robert Fligg (Toronto, ON) and Andrew Christian (Duncan, BC) for their contributions. Terms of Reference (TOR) for the Steering Committee are also being revised to better reflect Council's priorities. Although we have a DRAFT of the revised TOR, they have not been submitted to Council for approval... a task scheduled for completion soon after NSC2020. The Steering Committee met six times during the year with the primary activity being reorganization. However, a major activity of this group, as the year ends, is organization and delivery of a full day seminar for our members and guests at the National Surveyors' Conference 2020.

One Strategic Working Groups was active during the year.

Role of the Land Surveyor SWG

Members

Tania Bigstone, Halifax, NS (LAB - Resource Centre) Chair

Tania Gosselin, Whitehorse, YT (NRCan, SGB)

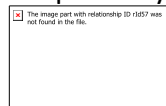
Mel Truchon, Huntsville, ON (Private Industry)

The group prepared a new '*tool*' for use by members. [ROLE OF A CANADA LANDS SURVEYOR/LAND SURVEYOR](#) provides a clear explanation of the role of Professional Lands Surveyors in every aspect of legal surveys.

We hope to revive the Survey Process SWG (preparing a 'smart' flow chart of the survey process on Indigenous lands) and establish a new SWG that will look at Surveying on Land Code communities (a unique, new and increasingly common requirement).

New ideas for specific projects for the Steering Committee are welcomed and can be forwarded to the Committee through the ACLS head office, or by contacting the Chair.

Respectfully submitted,



Joe C. Iles, CLS

Steering Committee Chair

OFFSHORE COMMITTEE

The purpose of the Offshore Committee is to monitor and inform the ACLS membership of issues affecting the practice of surveying on offshore Canada Lands. The Offshore Committee organized a presentation at Offshore Survey 2019 and also attended Offshore Business 2019; various interactions with government, industry and academia; and ongoing initiatives to promote awareness of the ACLS Canadian Hydrographer Certification Scheme (CHCS).

Membership

As of the end of 2019, the Offshore Committee had eight (8) members representing government and industry who were as follows:

- Andrew Leyzack, Committee Chair, Canadian Hydrographic Service, Burlington ON
- Jim Christie, ACLS Council Liaison, McElhanney, Vancouver, BC
- Bruce Calderbank, Hydrographic Survey Consultants Intl. Ltd., Calgary AB
- Tim Janzen, Canadian Hydrographic Service, Burlington ON
- Shelly Leighton, Memorial University, St. John's NL
- Derrick Peyton, IIC Technologies, Halifax NS
- Nancy Kearnan, Indigenous and Northern Affairs Canada, Ottawa, ON
- Andrew Morse, Public Services and Procurement Canada, Halifax, NS
- Jean Claude Tétreault, ACLS Executive Director, Ottawa ON
- Jenny Cooper, ACLS Communications and Membership Services Administrator, Ottawa ON

Andrew Morse joined the committee mid-year and thank you to Jose M'Bala for his service to the Committee.

Nine (9) GoToMeeting conferencing calls were held on 09 January, 25 February, 01 April, 05 July, 07 August, 13 September, 17 October, 25 November and 12 December. The conference calls on 07 August and 13 September were non-quorum meetings. The meeting on 25 November was dedicated to a presentation on Marine Spatial Data Infrastructure (MSDI).

ACLS Report on Offshore Infrastructure Surveys

One of the findings of the 2018 Offshore Infrastructure Survey (OIS) Task Force report was that the ACLS pursue further dialogue with the Canadian Hydrographic Service (CHS) and Natural Resources Canada (NRCAN) on this issue. The intent was to underscore the need to share and include data (spatial and engineering information) on any offshore infrastructure placed on the seabed in Canada Lands so that it be included in the Marine Spatial Data Infrastructure (MSDI).

In September 2019, the ACLS Executive Director, shared the OIS Task Force report with Geneviève Béchar, Director General of the CHS, and Jean Gagnon, Surveyor General, NRCAN. In addition, on 25 November, the Offshore Committee held a special conference call meeting with staff from the CHS on the MSDI initiative, so that the committee members could be briefed on the latest developments.

Both the CHS and Natural Resources Canada are expected to provide responses to the OIS report early in 2020.

ACLS Hydrographic Surveyor Certification Scheme (CHCS)

The Offshore Committee continues to provide support to the Canadian Hydrographer Certification Panel (CHCP), whilst the CHCP focuses on assessing CHCS candidates.

For the benefit of CHCS candidates, avenues for distance learning were sought out. Learning resources were identified at CIDCO (Research and Development Center in Coastal and Ocean Mapping) and the IIC Academy, both FIG/IHO/ICA International Board (IB)- accredited Category B hydrographic training institutes.

Publicity for the CHCS was furthered through an ACLS-sponsored outreach by Bruce Calderbank to present at Ocean Survey and Ocean Business 2019, in Southampton England, April 2019. <https://www.oceanbusiness.com/conferences-meetings/offshore-survey-programme/> Bruce was joined by Derick Peyton and met with many other professionals and hydrographic professional associations to promote hydrographer certification and the CHCS. The CHCS was also promoted through advertisements and articles in “Hydro International” magazine, and “Soundings” the Journal of The Hydrographic Society UK; additionally, through outreach to specific companies pre-qualified within a bathymetric surveys supply arrangement to provide hydrographic services to the Federal Government <https://buyandsell.gc.ca/procurement-data/tender-notice/PW-HAL-305-9538>.

In October 2019, the Offshore Committee proposed to the IB, a ‘Level A’ concept for certifying experienced hydrographic managers to CHCS standards. The Offshore Committee hopes for a positive response to allow certification of such individuals and provide better management of persons with certification.

For further information, see the separate report from the CHCP (see <https://www.acls-aatc.ca/offshore-expertise/canadian-hydrographer-certification-program/> for details).

Chapter 11 Review Task Force

In support of the Offshore Committee’s renewed Terms of Reference (ToR), a Task Force (TF) was struck to consider improvements to the National Standards for the Survey of Canada Lands, Chapter 11 which deals with offshore Canada Lands. Besides offshore oil and gas surveys, the TF will examine the need to incorporate non-legal and offshore infrastructure surveys in Chapter 11.

IBSC 2022 Task Force

Additionally, a TF was struck to prepare a submission to the FIG/IHO/ICA IB for the renewal of their accreditation of the CHCS in April 2022.

Andrew Leyzack, C.L.S.
Offshore Committee Chair

BOARD OF EXAMINERS

Board Composition

The ACLS Board of Examiners is composed of Patrick Ringwood (Chair), Julian Goodyear, Bronwyn Denton, Estelle Moisan and Joe Iles.

Responsibility for Examinations

ACLS Board members set some of the examinations and the remainder are set by Special Examiners. These Special Examiners are recommended by the Board and are appointed by the ACLS Council.

All examinations are reviewed by the Board prior to the examinations being copied for distribution to the invigilators at the various examination writing centres across Canada.

Jean-Claude Tétreault continued his role as Registrar until Marie Robidoux was appointed Registrar part way through the year. Jean-Claude and Marie serve valuable roles in keeping the ACLS Council and the Board apprised of matters of mutual concern.

As the Board of Examiners Administrator, Kevin Jones provides administrative support to the Board and coordinates the bi-annual national examination cycles in March and October. This year (2020), the ACLS examinations for regular candidates will be completed on-line and on demand.

The on-line examination for labour mobility candidates remains in four modules. It is still considered one examination, but each module can be written at different times if the candidate so chooses.

CLS Candidates

The Board has the responsibility to approve the acceptance of those applying as candidates to receive a CLS commission. There are 124 active ACLS candidates registered with the Board.

Professional Examinations Written

The following examinations were written:

P1: 10

P2: 9

P3: 6

On-line: 5 candidates wrote between 1 and 4 modules and received their CLS commissions.

2 candidates wrote 2 modules.

- 1 candidate wrote 1 module.
- 1 candidate wrote 3 modules.
- 1 was issued a password but it expired.
- 1 was issued a password for all four modules but it expired.

Commissions Recommended:

In accordance with the Act and Regulations, the Board informs the Council of those candidates who have completed the requirements for a CLS Commission and recommends the granting of a Commission. The Council then offers the successful candidate a Commission.

In 2019, the following persons were recommended for a Commission:

Wilson	Cathy	Calgary, AB
Merrick	Michelle	St. Albert, AB
Meister	Veronica	Williams Lake, BC
MacMaster	Michael Joseph	Iqaluit NU
Hanna	Maryna	Ottawa ON
Clifford	Gregory	Abbotsford BC
Rees	Jordan	St. John's NL
Marquez	Czarina	Delta BC
Roddick	Courtney	Amherst NS
Tardif	Renée	Ottawa ON
Sedaghat	Saeid	City of Carp, ON
Vandermark	Danu	Nanaimo, BC
Sabo	Olivia	Vancouver BC
Restivo	Benjamin	Peterborough ON
Blackwood	Curtis	Whitehorse YT

Other Board Activities

In addition to meeting its obligations for examining Candidates and recommending successful Candidates for a Commission, the Board monitors the examination syllabus and availability of syllabus study materials.

The Board also reviews applications for licenses, marks any required projects, and makes recommendations to the Registrar with respect to an applicant’s adequate recent or required experience.

Respectfully submitted,

Patrick Ringwood, BCLS, CLS
Chair

ASSOCIATION OF CANADA LANDS SURVEYORS FOUNDATION INC.

The Foundation members are Patrick Ringwood, President, George Schlagintweit, Vice-President and Cindy Kliaman. Jean Claude Tétreault continues in his role as Secretary Treasurer. Jared Broughton and Jenny Cooper have provided administrative support to the Foundation this past year.

In 2019, The Foundation received 17 applications for scholarships. After careful deliberation, four scholarships were awarded in the amount of \$1750.00 each to David Borja (BCIT), Andreas Brown (UofC), Cody DeRoach (NSCC – UNB) and Kara Stanford (UNB).

Although the deadline for submission of applications for 2020 has not passed at the time of writing this report, the Foundation again plans to award four scholarships of \$1750.00 each.

The Foundation would like to thank the members of the ACLS for their kind donations totalling \$1250.94. Your support is appreciated in our on-going efforts to assist geomatics students. In addition, the Silent Auction at NSC 2019 raised \$2130.00.

The annual general meeting of the Foundation's Board members will be held by teleconference on March 25, 2020. A Board of Directors meeting will be held immediately after the annual general meeting.

Respectfully submitted,

Patrick Ringwood, BCLS, CLS
President, ACLS Foundation Inc.

NORTH OF 60 REGIONAL GROUP

In the past year, we didn't have too much going on, but we did hold a meeting and had a presentation on Northwest Territories Land Titles Office Survey Plan Endorsement requirements, as well as reviewed the new Nunavut Mining Regulations and had some discussion on future standards to go along with these regulations when they come into force.

We discussed future presentations and professional development opportunities to share with our participants, so hopefully I will have more to report on in that regard next year!

Ryan Gordon ALS, BCLS, CLS, P.Eng