

Note from the President



Ladies and Gentlemen,

It is with great honours today that I accept the presidency of the ACLS. It seems that yesterday I was entering my first year on the council, time sure flies!

It's always a challenge to be involved in the CLS association and committees and, at the same time, running a busy surveying practice but regardless I do encourage all members to take the time to get involved and enjoy the ride, there is a great deal to learn. I still enjoy the challenge.

Talking about challenges, every year Council and the committees deal with a large number of issues. As a Quebec and a Canada Lands Surveyor and

also a partner in a surveying company, I can tell you that all issues brought up in those committees are important to address and discuss because even if those committees deal mainly with the ACLS, most subjects affect all the surveyors in Canada, regardless of their accreditation, one way or another.

It looks like next year will be another busy year for all the committees with many challenges such as the revitalization of the manual of instruction for the survey of Canada lands, digital signature, Bylaws amendments, Act amendments for the Complaints and Discipline Process, Hydrographer Certification Program, and GeoEd, to name only a few. I can assure you that I, Council, and all members of the various committees and task forces will bring all their efforts together to move forward on those topics.

In conclusion, I would like to thank all the council members who continue to volunteer their time this year to make things happen, Ivan Royan, Gord Stark, J. Anne Cole, Joe C. Iles, Tania L. Bigstone, Peter Sullivan, Jean-Claude Tétreault and the Lay Councillors, Zakary Hargrove and Geoffrey Connolly. I would like also to thank those who leave the council, the Past President Rick Beaumont and councillor Bruce Hewlko.

Estelle Moisan, CLS, a.-g.

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Summary of Council Meetings

March 26, 2013: Go to Meeting

- Further discussions on the proposed changes to the Complaints and Discipline process.
- Discussion on possible amendments to the bylaws regarding regional groups.
- Council discussed potential changes to the membership categories to accommodate any certification processes that the ACLS puts into place.
- Council received the financial report for February 28th, 2013.
- Terms of reference of the following committees were approved:
 - Practice Review
 - Public Awareness
 - Aboriginal Liaison Committee

April 23, 2013: Go to Meeting

- Further discussions on possible amendments to the bylaws regarding regional groups.
- Jean Gagnon presented the proposed schedule for the modernisation of CLSR process, including proposed changes to the Manual of Instructions.
- Further discussions on the proposed changes to the Complaints and Discipline process.
- Discussions on possible Act and Regulation amendments with respect to Labour Mobility.
- Discussed proposed letter to the Minister of Immigration regarding making surveying a preferred profession for immigrants.

May 21, 2013: Go to Meeting

- Decision not to propose amendments to the bylaws regarding regional groups. A task force will be set up to draft a policy document for regional groups.
- Finalized the proposed budget for 2014 and discussed options for funding of PSC.
- Council received the financial report for end of March, 2013 and for year 2012.
- Approved offering the following a CLS commission:
 - Adam Stephen, North Bay, ON
 - Eric Pellegrino, Calgary, Alberta
 - Arthur Cooke, Whitehorse, YT
 - Douglas Bruce, Regina, SK

June 18 21, 2013: Face to Face

- Reviewed items relating to the upcoming National Surveyors' Conference.

June 22 21, 2013: Face to Face

- Welcomed new Councillors Tania Bigstone and Joe Iles.
- Debriefing of recent National Surveyors Conference.
- Reviewed committee composition and appointed Council liaisons.
- Review of financial matters.

July 16, 2013: Go to Meeting

- Discussions on potential bylaws to collect membership dues for PSC.
- Discussions on potential bylaws to allow Council to set membership dues and adopt budgets.
- Discussions on potential changes to the David Thompson National Geomatics Awards.
- Council received the financial report for end of May, 2013.
- Decision to change dates of next year's National Surveyors Conference to May 12th to 14th.
- Direction given to the Bylaws and Legislation Committee to draft bylaw amendments to:
 - to allow ACLS to collect membership dues from members to help fund PSC
 - to allow ACLS Council to set and adopt the annual budget and membership dues.
- Decision to change the fee structure in the GeoEd Registered Providers Guide.

August 7, 2013: Go to Meeting

- Approved offering a CLS commission to Kent Campbell of Toronto, Ontario.
- Decision to conduct a membership survey to gauge its opinion on a proposal to collect PSC dues.
- Motion to re-appoint Patrick Ringwood as members of the Board of Examiners for the next 5 years.
- Motion to approve new CBEPS Bylaws.

Executive Director's Notes

New CLSs

Congratulations to the following people who were awarded a CLS Commission since the last issue of Communique:

- Peter Nicolas Goodier, Nelson, BC
- Arthur Cooke, Whitehorse, YT
- Douglas Bruce, Regina, SK
- Adam Stephen, North Bay, ON,
- Eric Pellegrino, Calgary, AB and
- Kenton Hugh Campbell, Toronto, ON

Mandatory Continuing Professional Development (MCPD)

The deadline for accumulating your 45 hours (or less for those who obtained their license after January 1st, 2011) of CPD is fast approaching. There are many options for those who are late in accumulating their hours. Please consider

the Expert Witness course which is now available on the Four Point Learning Web site at: <http://4pointlearning.ca/>
Other courses are available on [GeoEd](#).

The MCPD requirement applies to ACLS license holders. We are glad to see that many non-licensed members are using the ACLS MCPD Tracking system.

In July, we sent letters to those who seem to be falling behind on the MCPD requirement. In August I sent e-mails to members who seemed to have made errors in their data entry. Here are the most common mistakes that we found:

- Selection of wrong category: many members who attend AGMs or Regional Group meetings entered those activities under the "Participation" category which gives only half of claimed credit hours. These activities should be entered in the "Courses and Seminars" category.
- A few members have entered self-study activities such as reading survey association magazines, or the Professional Surveyor magazine for example. We had a category for this type of activity in the previous voluntary program but it was removed in the present mandatory program.
- And finally, some have been including travel time to and from an activity or social activities during an AGM. Those times are not acceptable.

A difficulty we sometimes run in too is that some members put either very brief or not really appropriate information in the title field of the questionnaire; same for the sponsor of the events. That forces ACLS staff to open the activity form in question which is time consuming. The main tool that we use for monitoring is a summary report that the system provides to the Web site administrator. Here is an example of what should be entered from NSC 2013 (being a "Courses or Seminars" category):

- Title: Getting it Right Module 3
- Sponsor: ACLS
- Venue: NSC 2013 or ACLS AGM

If the activity is participation in a committee, the category is "Participation", and then the information would be for example:

- Title: Standards of Practice Committee
- Sponsor: ACLS

Making deletions and corrections are very easy to do except for changing categories. So members have to reenter info in correct category and then delete the activity that was entered in wrong category. The reason for this is that the list of questions from one form to another is not exactly the same.

The good news is that again this year we obtained full compliance with the providing the CPD report for the year 2012 from all license holders.

Modernization of the Manual of Instructions

The SGB is presently working on major changes to the Manual of Instructions for the Survey of Canada Lands. Presentations were made at the following Regional Group meetings last winter and spring:

- Ontario
- Alberta
- Saskatchewan
- Yukon and
- Northwest Territories

A PDF file containing a first draft of the Manual is available on the ACLS Web site at: http://www.acls-aatc.ca/files/Draft_Manual_Aug16.pdf

Notices went out to the membership in our bi-weekly e-blasts encouraging members to provide their feedback to the SGB and also a Forum that was set up for this discussion on GeoEd. Finally we did set up a Survey Monkey list of questions to further encourage a conversation to happen.

Six members selected from the private practice will attend a focused workshop in Edmonton on September 24th and 25th, 2013. All comments from members will be reviewed at that meeting.

SGB will provide other opportunities for the membership to get involved this fall.

Summer 2013 Bylaws Amendment Vote

The following proposed amendments were presented at the last business meeting and put up for the membership electronic vote this summer:

- Amendments to sections 12.1(f) to change the fee for an appeal to the Board of Examiners from \$75 to \$100
- Amendments to sections 12.1(n) to change "fee for purchase of a seal \$60.00" to "fee for purchase of a digital seal \$20.00"

The result of the vote:

- A total of 54 members voted
- 53 members expressed that they are in favor of both amendments
- 1 was against both amendments.

The amendments have been approved by the membership according to section 13.4 (3) of the ACLS General Bylaws. They are now in force.

Jean-Claude Tétreault, CLS, a.-g., P. Eng., MBA
Executive Director

David Thompson National Geomatics Awards



Celebrating excellence in the field of geomatics in Canada, the David Thompson National Geomatics Awards was introduced in the winter of 2006-2007. The program was developed in cooperation with Professional Surveyors Canada (then Canadian Council of Land Surveyors).

The ninth David Thompson Awards were presented to winners during the Gala Dinner at the National Surveyors Conference in Niagara Falls, Ontario on June 21, 2013 for the following categories:

- Innovation in Geomatics
- Contribution to Society
- Unusual Applications in Geomatics

In the category Innovation in Geomatics, the winner was David Tulloch from Tulloch Engineering Inc. (pictured left receiving his award from ACLS president Estelle Moisan) for the project entitled "Terrestrial LiDAR Scanning for Mining Applications". Finalists for this award were Tim Blak from Tulloch Mapping Solutions Inc. and Travis Hartwick from Stantec Geomatics Inc. for "Ottawa Macdonald-Cartier International Airport Mobile LiDAR Survey for Boeing Bump Index"; and Daniel Lachance from Altus Geomatics Limited Partnership for "Job safety analysis using online task hazard library".



In the category Contribution to Society, the winner was Jim Christie (pictured left receiving his award from ACLS president Estelle Moisan) from McElhanney Associates for the project entitled "LiDAR Reveals Hidden Angkor Ruins". The finalist in this category was David Tulloch from Tulloch Engineering Inc. for the project entitled "Terrestrial LiDAR Scanning for Mining Applications".



In the category Unusual Applications in Geomatics, the winners were Tim Blak from Tulloch Mapping Solutions Inc. and Travis Hartwick from Stantec Geomatics Inc. (pictured below receiving their awards from ACLS president Estelle Moisan) for the project entitled "Ottawa Macdonald-



Cartier International Airport Mobile LiDAR Survey for Boeing Bump Index". The finalists in this category were Jim Christie from McElhanney Associates for "LiDAR Reveals Hidden Angkor Ruins"; and Andrew Leyzack from Canadian Hydrographic Services for the Franklin Expedition project.

The Association of Canada Lands Surveyors (ACLS) introduced the David Thompson National Geomatics Awards Program in cooperation with all professional surveying associations across Canada through the Canadian Council of Land Surveyors (CCLS) (Now Professional Surveyors Canada (PSC)).

The David Thompson National Geomatics Awards Program is open to all commissioned surveyors who are members of a Canadian surveying association, submitting projects that have been completed within the last three

years. The deadline for submissions is Monday March 31, 2014.

For more information about the David Thompson Awards, and the application process, please see [here](#).

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National Surveyors' Conference 2013



The fabulous ninth National Surveyor's Conference was held from June 18th to 21st, 2013 in Niagara Falls, Ontario in collaboration with Professional Surveyors Canada!

This excellent Conference included an inspiring keynote speech by Summer Mortimer, Para-Olympian, great discussion during the workshop "Recruiting and Retaining the Best and Brightest", the last module of "Getting it Right" and incredibly informative sessions on Lidar and HDS mobile scanning, marine surveys, and surveying on Parks Canada!

The ACLS Council welcomed Estelle Moisan as the new President and Gord Stark as the new Vice President, as well as Tania Bigstone and Joe Iles who were elected as Councillors by electronic membership vote.

During the Gala dinner on June 21, new CLS commissions were presented to the following people: Douglas Bruce, Arthur Cooke, Manjit Singh Sangha, and Adam Stephen. ACLS also recognized the extraordinary accomplishments of Tim Koepke by presenting him with the first Tim Koepke Award of Merit. This award will be presented annually to a candidate who has contributed to the Association in an extraordinary manner.

During the Business Meeting, members put the following motions on the floor:

- That the Council of ACLS consider future funding of Professional Surveyors Canada similar to the Association of Saskatchewan Land Surveyors model and investigate the means by which this can be achieved
- That ACLS recognize the service and contribution of its Past Presidents by providing a page on the ACLS website showing their names and pictures
- That ACLS recognize Past Presidents as a potential resource by considering an informal Past Presidents forum for the purpose of providing informed comments to Council
- That Council consider a bylaw change to empower Council to set and adopt the budget
- That Council consider a bylaw change to empower Council to set and adopt membership dues
- That Council utilize electronic voting at all future Annual General Meetings

Tim Koepke Award of Merit 2013

Introduction:

At the 2012 annual face to face meeting of your ACLS Council, it was decided that we would create an ACLS "Award of Merit" to recognize an individual or individuals who have made extraordinary contribution and give outstanding service to the ACLS.

The criteria for this award are as follows:

- Must be an ACLS member in good standing,
- Must have served on one or more ACLS committees for at least 10 years, serving as chairperson for part of that time,
- Must demonstrate leadership skills both within the profession of surveying and in the community,
- Candidates for this award must be recommended by and supported by two (2) ACLS members in good standing,
- Submissions for this award must be supported by a backgrounder document with respect to the candidate and his or her ACLS and Community service of merit,
- This award will be given out annually, provided there are suitable candidates,
- The submitted requests for this award will be reviewed and approved by the ACLS Council,
- Submissions for this award must be submitted to the ACLS Executive Director no later than March 1 of each year.

To set a bench mark for this Award of Merit, your ACLS Council thought that it would only be fitting to present this award to the individual that the criteria were modelled after – Mr. Tim Koepke (shown on next page).

Backgrounder:

Tim Koepke received his commission as a Dominion Lands Surveyor on May 27, 1972. From that point forward, he never stopped volunteering and promoting the profession he loves so dearly.

Tim was President of the ACLS in 1987-1988 and is a founding member of the ACLS Yukon Regional Group. In 2005 Tim was awarded an Honorary Life Member by the ACLS.

Tim was appointed to and was a pivotal member of the ACLS Board of Examiners from September 1978 to December 2011 – a span of more than 33 years. Throughout his career, Tim has been a corner stone for the CLS community and a major leader of the surveying profession, continuously demonstrating professionalism and high standards for all to follow.



Although Tim stepped down from the ACLS Board of Examiners, he is still very active on ACLS committees and other volunteer roles.

Tim also has a commission as a British Columbia Land Surveyor and a Civil Engineer for which he is a member of the Association of Professional Engineers of the Yukon (APEY). Serving as President of the APEY and being active on many APEY committees.

In 2011, Tim was awarded Life Membership by the Association of British Columbia Land Surveyors.

Not too long ago Tim was presented with a “Fellowship” by Engineers Canada for his contributions and in the Association of Professional Engineers of the Yukon.

In the early 1970’s Tim obtained his Commission as an Alaska Land Surveyor working under contract to Indian and Northern Affairs Canada, Tim has been instrumental in helping to negotiate a number of Aboriginal land claims. His integrity, knowledge and sense of justice for all parties was key in completing and signing off these land claims.

Until just recently Tim held the position of Yukon Territories Ombudsman and Information and Privacy Commissioner. I am sure that if we had time, I could go on for a while listing many more of Tim’s Professional and Committee accomplishments. But I will not.

Tim Koepke being the first recipient of this Award, your ACLS Council has decided that the Award should be named “The Tim Koepke Award of Merit”.

National Surveyors’ Conference 2014



The next National Surveyors’ Conference will be held May 12-14, 2014 at the Algonquin Resort in picturesque St. Andrews By-the-Sea, New Brunswick.

GeoEd

Something new on GeoEd that we're very excited about is the Expert Witness course!



"Having participated as an expert witness a few times, I know that it can be a very intimidating experience. But this is a way to showcase the role of the surveyor in society. Surveyors should not run away from such opportunities but should be well prepared and this is the way to obtain valuable information to not be caught off guard by savvy lawyers."

Jean-Claude Tétreault, Executive Director, ACLS

Knowing that there was a great need for this course with our membership and members from our sister associations, the ACLS committed a significant amount of financial resources to put this course together. So please take advantage of this opportunity. This will add a significant number of hours to your MCPD file.

Developed in collaboration with [GeoEd](#), Four Point Learning is offering a self-paced course which covers all aspects of the professional land surveyor serving as an expert witness. This new course will be of particular interest to land surveyors who want to be better prepared in their role of assisting the decision maker in a legal proceeding.

More information on the course can be found [here](#).

Please note that you must register on [Four Point Learning](#)'s website to access the course.

ACLS Scholarship Foundation

Every year ACLS awards three scholarships of \$1,500 each year to students enrolled in a postsecondary institution in the field of Geomatics. This year the committee chose the following recipients from many promising applications. Congratulations to the winners and thanks to all applicants!

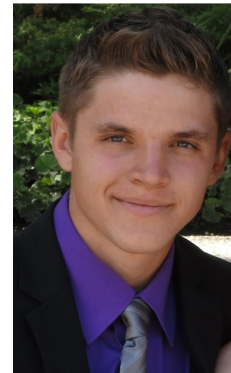
Winners of this year's ACLS scholarship:



Taylor Allison (*University of New Brunswick*)



David Bowater (*British Columbia Institute of Technology*)



Scott Sinclair (*Northern Alberta Institute of Technology*)

Visit our website at <http://www.acls-aatc.ca/en/node/66> for additional information about the Geomatics Scholarship Program and eligibility requirements.

Tribute to our volunteers

Our volunteers do the bulk of the work for the ACLS and do not get the recognition they deserve. In this issue, we want to highlight the contribution of both the Bylaws and Legislation and CPD committees.

Bylaws and Legislation Committee

The Bylaws and Legislation Committee considers changes to the by-laws of the Association and offers recommendations to Council as well as considering changes to the Regulations and the Act as directed by Council.

The Bylaws Committee is composed of the following members:

- Alec McLeod, OLS (Ret.), CLS, Chair since April 2013, is retired from a career with the Surveyor General Branch
- Jean-Claude Tétreault, Council Liaison
- Harold Jones, CLS, is retired from a career with the Surveyor General Branch, ACLS Honorary Life Member. Was Chair of this Committee from the beginning (1999) until last April.
- Lorne McNeice, CLS, ALS (Ret.) is retired from a career with the Surveyor general Branch, past Deputy Surveyor General
- Stewart McPhee, CLS, NSLS with Sub-Artic Surveys Ltd. in Yellowknife, NT.
- Jim Simpson, CLS, OLS (Ret.), Past ACLS Executive Director and Registrar, now retired. ACLS Honorary Life Member.
- Dave Urso, CLS, OLS, Surveyor General Branch in Yellowknife, NT.

This committee has been very busy in the last 6 years working on proposed Act and Regulation amendments to revamp the ACLS Complaints and Discipline process which after 14 years have shown some deficiencies and a need for updating to current best practices in the professional association world. This is being done through consultation with both the Complaints and Discipline committees. The Committee is also tackling amendments to deal with Labour Mobility legislation and recently it has been directed by Council to draft Bylaw amendments in consequence to some motions approved by the members at the June 21st, 2013 business meeting.

Continuing Professional Development Committee

The purpose of the CPD Committee is to promote CPD amongst the membership and receive input from the membership in order to maintain and improve a program that will meet the ACLS needs. The CPD Committee is the driving force behind initiatives such as GeoEd and continually works to create new courses and gather interest of potential course providers and the implementation of the MCPD Tracking system which is now a standard in our industry.

The CPD Committee is composed of the following members:

- Murray LeGris, CLS, OLS, Chair, Surveyor General Branch in Toronto, ON
- Gord Stark, CLS, MLS, Council Liaison, Manitoba Hydro
- Dave Dediluke, CLS, ABCLS, Dediluke Land Surveying Inc. in Nanaimo, BC. Past Chair of this committee.
- Reid Egger, CLS, ALS, BCLS, P. Eng., Universal Geomatics Solutions Corp. in Edmonton, AB
- Mike Fretwell, CLS, ALS, Mission Geospatial Ltd. in Calgary, AB. Past Chair of this committee
- Bruce Gudim, CLS, ALS, Maltais Geomatics Inc. in Calgary, AB. Past Chair of this committee
- Nathan Sikkes, CLS, ALS, SLS, McElhanney Land Surveys Ltd. in Calgary, AB
- Bob Lafrenière, CLS, Ollerhead & Associates Ltd.

Thank you to all our hard working volunteers!

Update on MyCLSS

2012-2013 Enhancements:

Last spring we implemented a series of very significant enhancements to MyCLSS. The following list is a summary of the tools that the ACLS staff now has access to in order to administer the electronic checklist part of the system:

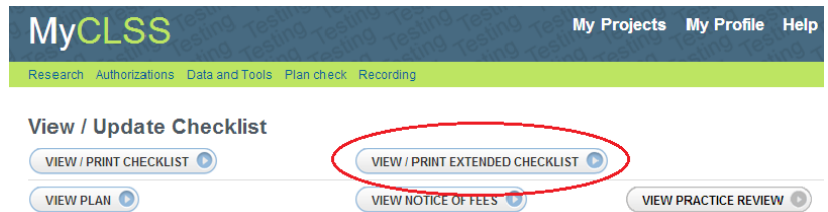
- The ACLS staff now can add, deactivate and update license holder and permit holder information.
- Change the pdf plan copies associated with checklists.
- We can add, deactivate or update checklist questions including the mouse over data.

- Add new checklists and deactivate existing ones (we are looking at adding one for chapter D8 surveys). Up until April of this year, PARC Systems, the developer of the ACLS electronic checklist system, had to do all that for us at a cost in the past.

Another administrative system is now accessible to our Practice Review Manager to help him gather the data and communicate with members with respect to the monitoring of checklists.

The enhancements done to improve the members experience on MyCLSS are the following:

- When printing a checklist on paper, members can also print the mouse over information (sections of the Practice Manual, General Instructions). *Shown on right.*
- We eliminated an annoying pop ups and improved navigation.
- System will stay open longer before timing out.
- Members can upload pdf copies of plans up to 25MGs instead of only 10 MGs.



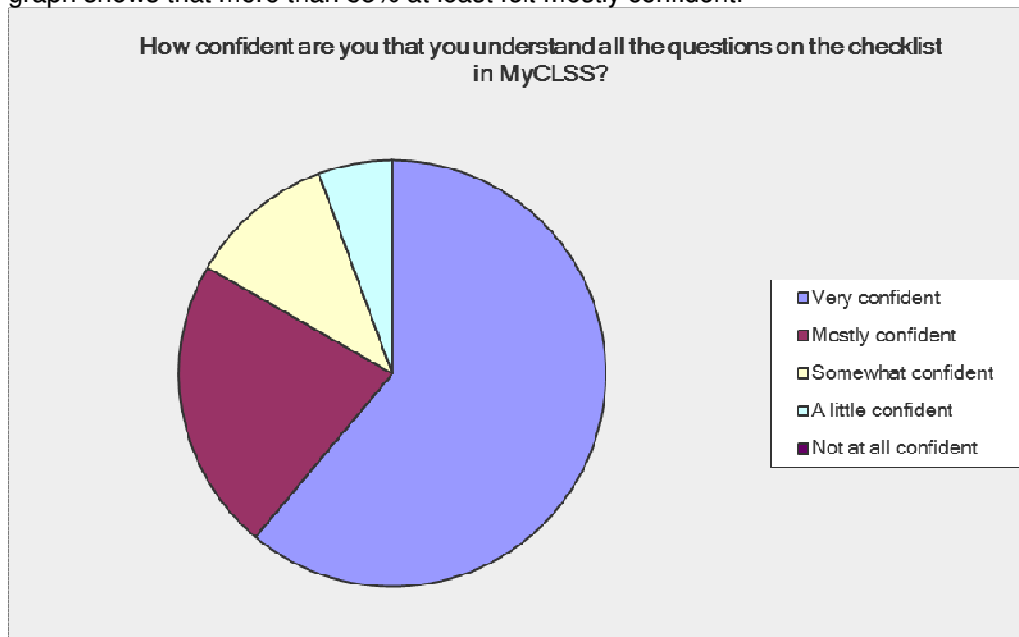
Having control over the system's data is major step forward for the ACLS. This will save the membership money in the long term.

We still have many items on our to-do list. Please feel free to send us suggestions to improve the system.

2013 Membership Survey

This year's participation was very low but we still received very valuable feedback on how it's going with MyCLSS. Only 21 members took the time to fill out the Survey Monkey questionnaire.

Question 1: How confident are you that you understand all the questions on the checklist in MyCLSS? The following graph shows that more than 83% at least felt mostly confident.



Question 2: Did you experience any difficulties using the plan checklist?

Over 76% of respondents have met no or very little difficulties in using the electronic checklist. But there were a few very good comments:

- "I find the method for generating a second checklist to be confusing". If referring to amending a checklist following the discovery of a critical issue, we would like to point out that a specific PowerPoint deck of slides

was prepared to deal with critical issues and creating amended checklists. It available in the Help section of MyCLSS. It also dealt with in the series of Webinars which can be accessed through the Help section.

- “Navigation not smooth, ok if you remember from one time to the next”. We are aware of that and understand that someone who does not use MyCLSS very often can find the system daunting. The Help PowerPoint decks are good quick reference guides to keep handy when using the system.

Question 3: Are you aware that there is a link (“Contact ACLS”) on each checklist page that connects you to the ACLS office for more information? 58% said no.

At the bottom of each page of the MyCLSS portal, members can find the following:

[Contact ACLS](#) | [Contact SGB](#) | [Terms of Use](#) | [Privacy](#)



Members having problems with the electronic checklist portion of MyCLSS should click on “Contact ACLS” and if having problems with the project management (My Projects) side, should click on Contact SGB.

Questions 4: Have you watched the introductory webinar on MyCLSS (found under the Help menu)? Over 52% said no. We strongly encourage members to view the Webinars. It’s free and will save a lot of time.

Question 5: Do you have any suggestions for improvement to the plan checklist, or the MyCLSS site in general? Eleven respondents provided ideas and most are going to be considered by the Practice Review Committee. At this time, we would like to respond to some of them:

- A member suggested that the system be modified so that a pdf plan copy be sent to SGB for review before the members send the final Mylar. This would be going back to the previous process of submitting preliminary returns to SGB. One of the objectives of MyCLSS was to eliminate preliminary returns and have CLSs take full ownership of the quality of their products. So we will not go back and in the near future we will have e-filing of final survey returns.
- Provide sample of completed MyCLSS for reference. Members can do that at any time when in MyCLSS. Just click on “View/Print Checklist” at top left of page:

View / Update Checklist

VIEW / PRINT CHECKLIST		VIEW PLAN	VIEW INVOICE
PROJECT:	201014099 - SURVEY OF PROPERTY OF JOHN SMITH		
TYPE OF SURVEY:	CLS Act (Sec 29) - Official Survey		
SURVEY DOCUMENT:	Survey Plan John Smith - Full survey (Plan and Field Notes of Survey of)		
SURVEYOR:	ACLS3, Support	PERMIT HOLDER:	

We want to thank the members who participated in this survey.

Jean-Claude Tétreault, CLS, a.-g., P. Eng., MBA
Executive Director

10 Common errors when using GPS

- 1) **Believing everything the salesperson says.**
- 2) **Leaving the total station in the truck when staking out small lots.** Try a simple test. Stake out a series of points in a straight line using GPS and check it with the total station. GPS is superior in maintaining accuracy over long distances but the total station is better at establishing relative precision between points that are close together.

- 3) **Adding extensions to prism poles to reach above the tree canopy.** The plumbing error increases with the height above the ground. The shorter the pole the better.
- 4) **Only taking one shot with the prism pole.** To minimize parallax when viewing a fish-eye bubble, the observer should rotate 180 degrees and take a second shot.
- 5) **"As long as you have lock, you're good to go".** This is not always the case because conditions may vary between the base and the rover and the longer the distance from the base, the bigger the risk of error.
- 6) **One shot is all it takes.** You need to take multiple observations (at least two of them) at different times of the day with a different constellation of satellites to confirm the coordinates.
- 7) **A coordinate is a coordinate.** A coordinate obtained when the equipment is showing a good GDOP/HDOP will generally be more accurate than one showing a poor GDOP/HDOP. Even with a poor GDOP/HDOP you can still get a fix (or observe statically), but the error ellipse will be larger.
- 8) **Applying scale factor.** The grid distance in the controller is not the same as the ground distance. Different coordinate systems have different scale factors to get you from the geoid to the ground. On long lines the point scale factor on each end should be averaged together before calculating a ground distance.
- 9) **No more field notes.** Failing to maintain an adequate daily record of the observations and assuming the digital data collected will appear obvious to the person in the office who is processing the data.
- 10) **Checking out the gear before flying off to Nunavut.**

Motorcycle Ride for Dad



Former ACLS President, Rick Beaumont took part in this year's Edmonton ride with about 1028 motorcycle riders that raised over \$255,000.00 to support the fight against Prostate Cancer. The ride went without any incidents and for most parts the weather cooperated. The first leg of the ride was from the Edmonton Garrison to Bon Accord (about 23 kms). All 1028 bikes were in formation for this first leg - what a great sight to see. With the assistance of the local law enforcement agencies, all roads were controlled so all you saw for many kms were motorcycles, 2 by 2.

Generous donations allowed him to raise \$3325!