



2010 ANNUAL REPORT

RESTORING BC'S NATURAL VALUE



CSAP

Society of Contaminated
Sites Approved Professionals
of British Columbia

CSAP Society is as a leader and catalyst for innovative, value-driven approaches to improving land and water quality for the beneficial use of all.

Overview

The Contaminated Sites Approved Professionals (CSAP) Society ensures best practices in investigation and remediation work under Protocol 6 of the British Columbia Environmental Management Act. The society strives to represent the best interests of all stakeholders in the contaminated site remediation process, including government, industry and BC citizens.

The society credentials professional engineers, geoscientists, agrologists, chemists and biologists to become

Approved Professionals and recommends their appointment to the ministry roster. Approved Professionals review and recommend submissions for environmental certification to the Ministry of Environment. As experts in the field, members often provide commentary on and input to new regulations governing air, soil and water quality in BC.

MESSAGE FROM THE MINISTRY OF ENVIRONMENT

The remediation of contaminated land in BC is an important, ongoing goal for the Ministry of Environment. The Land Remediation Section is pleased to work with the Contaminated Sites Approved Professional Society to ensure best practices across the province when applying the Environmental Management Act to contaminated site remediation.

The CSAP Society was incorporated in 2007 as a self-regulating professional association focused on moderate and low-risk site assessment and remediation reviews. Four years later, the CSAP Society continues to fulfill their mandate, honing professional development programs, and participating in technical innovation in remediation as they develop systems in support of consistently high quality reviews and contribute to the education of all professionals in the industry.

As a source of economic activity, remediated lands contribute significantly to both local and provincial economies. Site remediation at remote mines and forestry operations benefits future generations.

British Columbia continues to make good progress on the investigation and remediation of contaminated sites. Remediation and redevelopment of lands in the urban landscape continues to be a driver and is expected to continue as local governments target brownfield sites for redevelopment due to skyrocketing land prices throughout BC and the desire for densification and avoidance of sprawl. Nowhere is this truer than in the Lower Mainland, where land that may have associated environmental risk has elevated in prices such that remediation now makes fiscal sense. Many highly desirable development sites require remediation to unlock their natural and financial value.

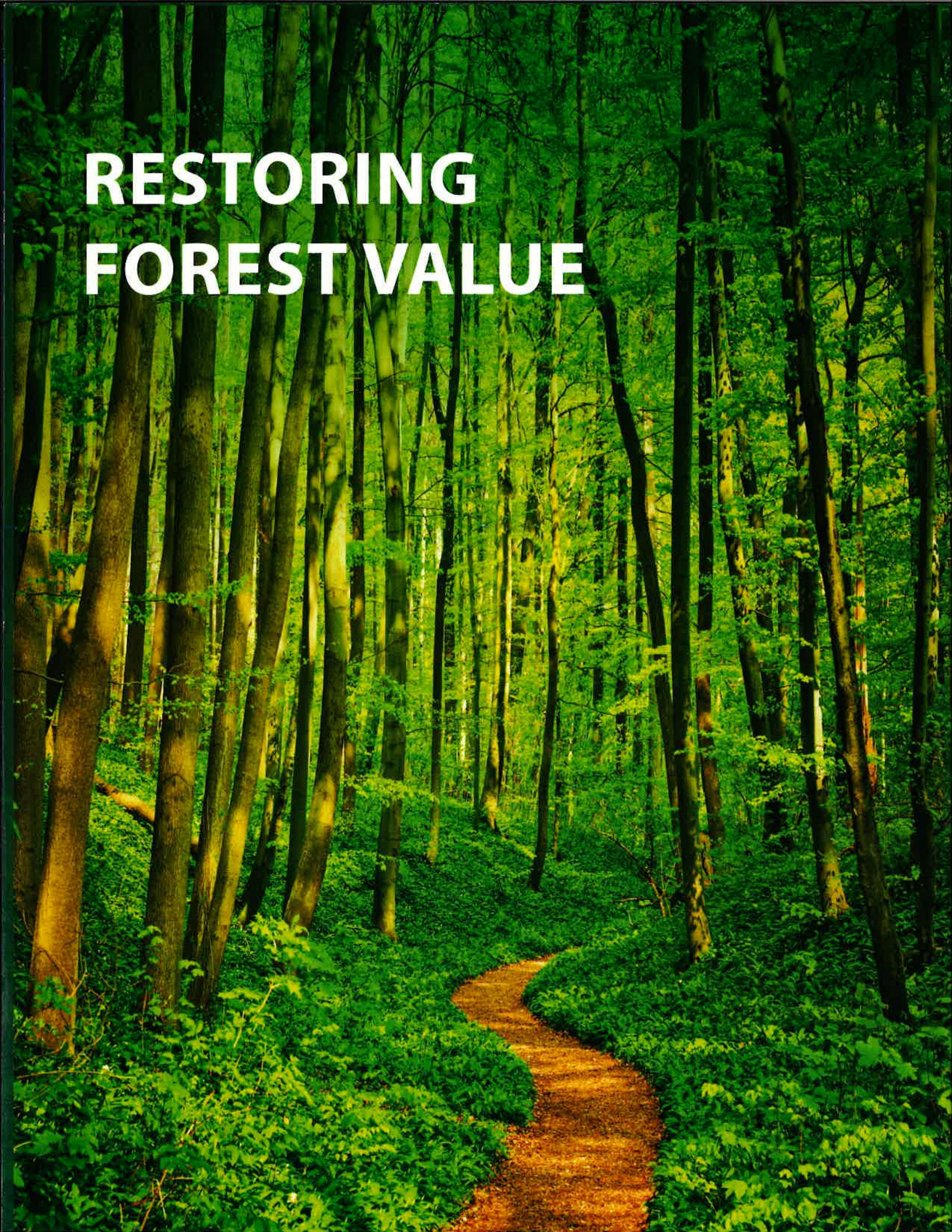
The CSAP Society continues to play an integral role in ensuring compliance with environmental regulation and at the same time enabling remediation to proceed in a timely fashion. I wish to acknowledge the contributions of the CSAP Society and its members for their dedication, and to give recognition to the accomplishments they achieved in 2010.

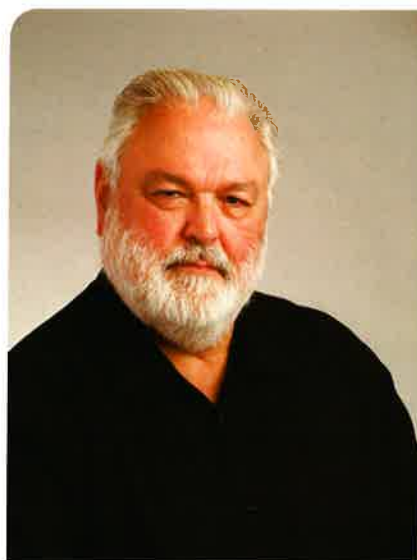


MIKE MACFARLANE

Senior Manager, Land Remediation Section,
Environmental Protection Division,
Ministry of Environment

RESTORING FOREST VALUE





MESSAGE FROM THE PRESIDENT

J.G. Malick, Ph.D., R.P.Bio., P.Ag.

During 2010/2011, the CSAP Society has continued to fulfill our mandate by fostering additional membership, providing professional development, continuously improving our performance assessment process and forming and maintaining linkages with our "parent" professional organizations, the ministry and industry stakeholders. Our members have also provided valuable technical input to government policy with the goal to improve our reputation as a leader and catalyst for positive change in the contaminated sites regulatory regime in BC.

On the board front, I am pleased to relay that we have a new member Paul Cassidy—one of the preeminent legal experts on environmental topics in BC. His participation expands our reach and depth of expertise beyond the scientific and technical community. Paul's contributions to furthering environmental law are well documented and it is with great pleasure that I welcome him to our team. Paul is replacing Patricia Houlihan, also a very capable lawyer and board member, who

served the CSAP Society board and the Roster Steering Committee.

Moving forward into 2011/2012, our objectives include strengthening our governance model, reaching out to universities to assist graduate students with scholarships and in that way develop curriculum related to remediation. We are moving toward a mentoring program to foster continuity of governance within CSAP. To improve our reach and utility, we continuously identify and evaluate potential new service offerings and have had preliminary discussions on areas outside but related to contaminated sites. We also work on improving industry and public understanding of the CSAP Society's purpose and how it helps British Columbia retain its spectacular natural value.

I would like to commend the work of our executive director, Catherine Schachtel for her vision, financial acumen and her ability to establish the infrastructure and processes needed to ensure the CSAP Society's efficiency. I'd also like

to thank staff members Bal Behshid Javez, Siobhan Anderson and Aurora Marin. We also are fortunate to have a dedicated board and committees as well as many volunteers who work to make CSAP an unparalleled organization. Their day-to-day diligence allows us to continue to offer the programs and services that define excellence and promote mastery in our continuing quest to ensure professional competence of our membership.

A handwritten signature in dark ink, reading "J.G. Malick". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

J.G. Malick, Ph.D., R.P.Bio., P.Ag.

President



OPERATIONAL EXCELLENCE

MESSAGE FROM THE EXECUTIVE DIRECTOR

Catherine Schächtel, B. Ed.

Restoring BC's natural value speaks to the important role Accredited Professionals play in communities across the province. The 2010/2011 year saw the CSAP Society focus on improving processes and communication, engaging and equipping members through professional development, and taking steps to build the next generation through the new CSAP Society scholarship program for graduate students focusing on contaminated sites research.

Working Together

The CSAP Society and the Ministry of the Environment remained committed to enhancing communications and leveraging respective strengths by meeting on a bi-monthly basis. These meetings give us a clearer understanding of what's on the horizon so we can plan and prepare our members for any major regulatory changes. They also allow the ministry to tap our expertise for technical reviews and feedback based on an industry perspective. We recognize the mutual benefits of a good working relationship and greatly appreciate the ongoing professional camaraderie with Mike McFarlane and his team.

'We revised the online submission manager to help Approved Professionals to make timely and accurate submissions. This year saw a 20% overall increase in submissions over the previous year.'

Submission Reviews

We revised the online submission manager to help Approved Professionals to make timely and accurate submissions. This year saw a 20% overall increase in submissions over the previous year. Because the new water quality remediation regulations took effect in February 2011, the large surge in submissions in January is related to organizations preferring to submit in advance of the enforcement date. In subsequent months, submission numbers have returned to normal. The anomalous month demonstrates the impact of new regulation on industry and on review requests.

SUBMISSIONS REVIEWED THREE-YEAR CHART

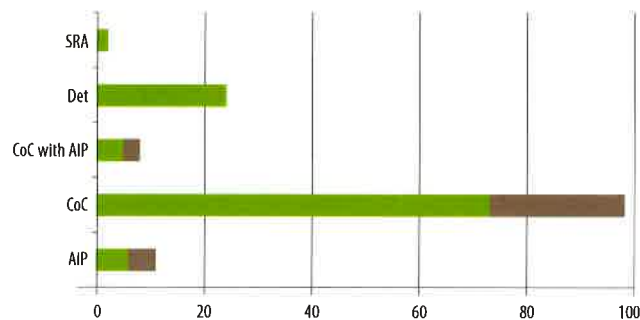


	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
CSAP 2008 - 2009				7	5	9	12	10	20	3	9	10
CSAP 2009 - 2010	20	8	13	3	9	10	7	9	11	2	10	17
CSAP 2010 - 2011	7	8	7	2	7	4	9	10	15	69	0	5

SCREENING TIMELINE (AVERAGE DAYS)

Total Submissions Screened	<5 days	5 - 10 days	In progress
143	60%	30%	10%
Note: Ministry of Environment time to release instruments not included			

SUBMISSIONS BY INSTRUMENT



	AIP	CoC	CoC with AIP	Det	SRA
Standard	6	73	5	24	2
Risk	5	25	3	0	0

AIP: Approval in Principle.

CoC: Certificate of Compliance.

Det: Determination.

SRA: Soil Relocation Agreement

PERCENTAGE OF RISK-BASED SUBMISSIONS VS. STANDARDS SUBMISSIONS



Continuity and the Next Generation

Our board recognizes the ongoing need to engage and build the next generation of Approved Professionals. This year there was a lot of discussions around outreach and education targeting potential Approved Professionals, including the need to provide mentorship. As a start, the CSAP Society launched a scholarship program directed at science and engineering graduate students whose research is relevant to the assessment and remediation of contaminated sites. We will offer up to three \$5,000 scholarships to students currently enrolled in a recognized post secondary institution in BC.

Focus on Governance

At the end of this year, we formed a Governance Committee to ensure a high-performing board. The Governance Committee takes a strategic view and will recommend rules to ensure the board has the right skills and expertise, set board performance guidelines, and address succession. It will also outline how new board members should be trained and equipped to meet their responsibilities. This is a big job and while still in early stages, I am confident the results will produce a strong, efficient board.

This year we continued to make solid progress strategically and operationally to build and strength the CSAP Society. I appreciate the continued guidance and contributions of members, the board and staff.

Catherine Schachtel, B. Ed.
Executive Director

OUR VALUES

RESPECT | WISE STEWARDSHIP ETHICS | LEARNING | INNOVATION

GOVERNANCE



CSAP Board of Directors (left to right): **Back row** - Bob Symington, Guy Patrick, Paul Cassidy, Phil de Leuw, Vince Hanemayer, John Lambert
Front row - Cindy Ott, John Balfour, Jim Malick, Bill Donald, **Absent**: Alan Walker, Dipak Dattani

The CSAP Board of Directors comprises members from four parent organizations; the Association of Professional Engineers and Geoscientists of BC, the College of Applied Biologists, the BC Institute of Agrologists and the Association of the Chemical Profession of BC. It also includes members from industry, local governments, the Ministry of Environment, at large members and a lay representative.

CSAP BOARD MEMBERS

Jim Malick, Ph.D., R.P.Bio., P.Ag.

President

Alan Walker, P.Eng.

Vice President

John Balfour, P.Eng.

Secretary Treasurer

Bill Donald, P.Eng.

Chair, Membership Committee

Bob Symington, P.Geo.

Chair, Performance Assessment Committee

Guy Patrick, P.Eng.

Chair, Discipline Committee

John Lambert, P.Geo.

Member at large

Cindy Ott, P.Ag.

Member at large

Dipak Dattani

Representing Municipal Government

Phil de Leeuw

Representing Industry

Paul Cassidy, LLB

Lay Representative

Vince Hanemayer, P.Eng.

Representing Ministry of Environment

CSAP Society Organization Chart

Executive Committee





MEMBERSHIP

Committee Chair

- Bill Donald, P.Eng.

Members

- Reg North, P.Eng., P.Geo.
- Sam Reimer, P.Ag.
- Tony Gillett, P.Eng.

Report

The membership committee administers the membership application and examination process, evaluates applications as well as examination results and makes recommendations to the CSAP Society board regarding new member appointments.

The committee also considers membership matters, including membership renewal requirements given extra-ordinary circumstances, and considering member concerns regarding the application and examination. Our objectives are to ensure that both existing members and new applicants are treated fairly and that they meet the requirements for qualification.

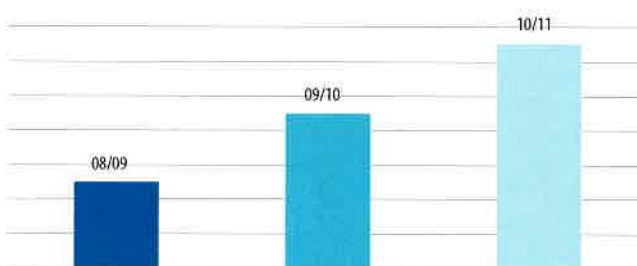
During 2010/ 2011, we discussed significant modifications to the membership application form to make it easier to understand and to streamline the process. In an effort to reduce confusion on both sides of the process, the application documents were modified to increase clarity regarding application requirements to assist both applicants and reviewers.

I am stepping down as Chair of this committee at the end of 2010/2011 and would like to thank fellow members and staff for their ideas, support and hard work over the past four years. I participated in the creation of the CSAP Society and was on the initial roster steering committee, which precipitated its formation. Since then the CSAP Society has worked diligently to create a thorough and rigorous system for membership

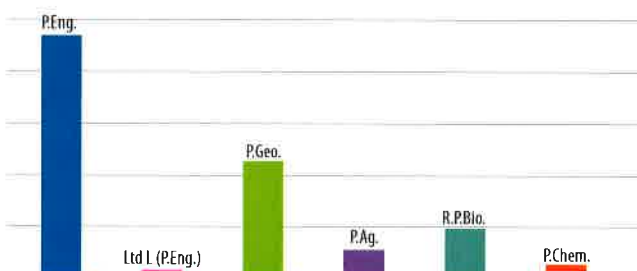
application, review and examination. I am proud to see our work in action and our membership continues to reflect the high standards we set.

Bill Donald, Chair

MEMBERSHIP GROWTH 3-YEAR CHART



MEMBERSHIP COMPOSITION BY PROFESSIONAL DESIGNATION



Powered by Members

The CSAP Society is in an enviable position with a team of highly active and engaged members. Over one-third of members participated in various tasks. During 2010, volunteers dedicated their time to streamlining membership, developing governance and succession plan, developing examinations, planning professional development activities, conducting experience reviews for new members and perform technical reviews of submissions for performance assessment purposes.

MEMBER PARTICIPATION 2010 / 2011

Members Participating	48
Average hours given	46
Highest number of hours	128
Total participation hours	2,471

Member Participants 2010 / 2011

Mark Adamson	Leslie Hardy	Beth Power
Patrick Allard	Ian Hers	Peter Reid
James Armstrong	Art Hildebrand	Sam Reimer
Harbey Bains	Martin Jarman	Tara Siemens Kennedy
John Balfour	Chuck Jochems	Michael Sloan
Alex Bath	Robin Jones	Jackie Smith
Robert Beck	Vijay Kallur	Yu-Ben Soo
Marc Bowles	David Kettlewell	Andrew Sorensen
Donald Bryant	Blair King	Scott Steer
Patty Carmichael	Laura Koch	Gregory Sutherland
Trevor Crozier	Richard Kwan	Bob Symington
Gregory Danyluk	John Lambert	Chad Taylor
John DeCesare	Ingolf Lambrecht	John Taylor
Robert Dickin	Lori Larsen	Christine Thomas
Bill Donald	Philip Lowery	Kristi Thornhill
Brant Dorman	Duncan Macdonald	Alex Timmis
Terry Duffy	Bruce MacEachern	David Tiplady
Colin Dunwoody	Jim Malick	Ajay Tumber
Clifford Eng	Ian Marsh	Michelle Uyeda
Ken Evans	Mike McLeay	Gabriel Viehweger
Dawn Flotten	Robert McLenehan	Alan Walker
Thomas Franz	Trish Miller	Dan Watterson
Tom Frkovich	David Mitchell	Paul Webb
Michael Geraghty	Ian Mitchell	Richard Wells
Eva Gerencher	Simone Mol	James West
Tony Gillett	Allan Morrison	Douglas Whiticar
Steve Graham	Jerry Naus	John Wiens
Raminder Grewal	Dave Newton	Dave Williams
Mike Guthrie	Reg North	Don Williams
Gary Hamilton	Cindy Ott	Ross Wilson
Vince Hanemayer	Guy Patrick	



PROFESSIONAL DEVELOPMENT

Sub Committee Chair

• Ken Evans, P. Eng.

Committee

- Colin Dunwoody, P. Eng.
- Michael Geraghty, P. Geo.

Report

Maintaining high professional standards in a fast moving field requires continuous learning and continuous improvement. The Professional Development Committee leads the society in our efforts to ensure Approved Professionals remain at the leading edge of their professions. CSAP Workshops actively promote continuous learning and help bring together members and the committee to discuss potential future topics for educational programming.

This year we planned and held a very successful workshop in October. The workshop attracted over 120 member professionals in the contaminated sites industry, Members in addition to Ministry of Environment, participants almost unanimously (96%) rated the workshop as "excellent."

In addition, the committee generated new tools to streamline the online submission process. Because the CSAP Society tracks professional development efforts, we also advised on the development of an online method for members to submit their professional development hours, which staff worked to implement.

Our priorities for the coming year and beyond include identifying new ways to engage the membership in education. In 2011 we will run two workshops, one in May and the other in October. We also intend to initiate a member newsletter for people to learn about what is new and interesting in the

field, including changes to procedure, as well as guest articles from members. The purpose of the newsletter is to promote education, kindle community and distribute expertise across the membership. As our numbers grow, we are considering holding some networking events that would allow colleagues to share their experiences in a less formal setting.

I would like to thank my fellow committee members and staff for their efforts to making this past year a success and look forward to working with them next year.

Ken Evans, Sub Committee Chair





TECHNICAL REVIEWS

Sub Committee Chair

- Alan Walker, M. Sc & P. Eng.

Committee

- Reg North, P. Geo, P. Eng.
- Michael Geraghty, M. Sc, P. Geo.
- Eva Gerencher, P. Ag.
- Colin Dunwoody, P. Eng.
- Greg Sutherland, Ph. D, R.P. Bio.

Report

New for 2010/2011, the Technical Review Committee debuted at the October 2010 CSAP Society professional development workshop. The group accepts requests for technical review or comments from internal or external sources. We evaluate the request and provide a reviewer or review panel that will bring the best expertise to bear to prepare a review or comment on a given topic.

Reviews and Commentary Provided in 2010-11

- Review of Protocol 6: Eligibility of Applications for Review by Approved Professionals
- Review of Requirements for Notification of Independent Remediation and Offsite Migration
- Review of Draft Tech Guidance 7: Supplemental Guidance for Risk Assessment
- CSAP Technical Guidance for Risk Assessment Screening for contaminant of potential concern, development.
- Review of Procedure 12: Procedures for preparing and issuing contaminated sites legal instruments
- Technical Review of Protocol 6 Pre-approval Applications
- Technical Review of Procedure 10: Resubmission, withdrawals and amendments
- Technical Review of Revisions to Protocol 6: Eligibility of Application for Review by Approved Professionals and Protocol 12: Site Risk Classification
- Preliminary comments on possible ways to streamline the Environmental Management Act, Part 4, Contaminated Sites Remediation
- Review of Certificate of Compliance Schedule B clauses
- Review of Communication requirements for offsite migration





PERFORMANCE ASSESSMENT

Committee Chair

• Bob Symington, P. Geo.

Members

- Alex Bath, P. Geo.
- Dave Newton, P. Geo.
- Kristi Thornhill, P. Eng.
- Relday Zapf-Gilje, P. Eng.
- Cindy Ott, P. Ag.

Report

The Performance Assessment Committee administers a system of audits, known as performance assessments to ensure the quality of submissions made by Approved Professionals. The committee appoints a roster of Panel Members from among members who conduct performance assessments under the direction of a delegated member of the Performance Assessment Committee. We continuously review the process to insure that the system is fair, equitable and transparent and to insure that Approved Professionals fully understand their obligations and rights under the process. The committee meets monthly to discuss issues, to update the Performance Assessment Guidelines and to generate "Lessons Learned" from each assessment. "Lessons Learned" assist Accredited Professionals with their submissions and ensure that information pertaining to regulatory and technical interpretations is available.

In 2010/2011 the committee continued to refine the performance assessment process to make it more readily understood and efficient. We conducted a webinar for Panel Members to train them in the process and have conducted seminars as part of the CSAP Society's Professional Development Workshops.

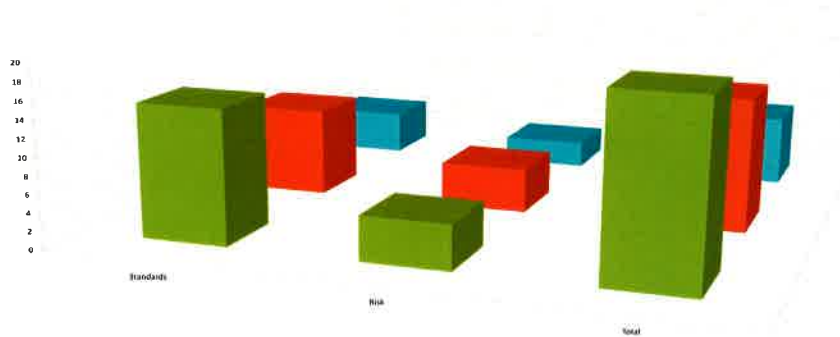
By streamlining and reviewing the process, we have reduced timelines and improved feedback to Accredited Professionals undergoing assessment. The Performance Assessment

Committee was instrumental in developing and implementing the "six-month rule" for re-submission, which results in reduced timelines for Approved Professionals and lower costs to submitting stakeholders. In conjunction with the Governance Committee, we are working to establish a transparent succession plan for committee membership which will be implemented in 2011/2012.

The CSAP Society has been in operation for almost three years, during which time the Performance Assessment Committee has contributed to an overall improvement in the quality of AP submissions through timely distribution of information. Committee members have worked tirelessly on behalf of members and have contributed many hours over and above regular meetings. I would like to thank my fellow committee members for their commitment and professionalism without which we could not have made the significant progress we have over the past years.

Bob Symington, Chair

PERFORMANCE ASSESSMENTS OVER THREE YEARS BY TYPE



Period	Standards	Risk	Total
2010 - 2011	15	5	20
2009 - 2010	10	5	15
2008 - 2009	5	3	8

PERFORMANCE ASSESSMENT TIMELINE (AVERAGE DAYS)

Selected for PA	Completed < 1 month Days	Completed > 2 months	In progress
18	20%	50%	65%

Note: Ministry of Environment time to release Instruments not included





RESTORING LAND VALUE



DISCIPLINE

Committee Chair

- Guy Patrick, P. Eng.

Members

- Jerry Naus, P. Eng.
- Patricia Houlihan, LLB

Report

The CSAP Society disciplinary process has been developed in cases where member's work has not been competent, a member is guilty of professional misconduct, or has breached our code of ethics in some way.

Fortunately, we have had no need to invoke the discipline process to date, and do not foresee a pressing need to do so in the near future. We anticipate that should issues arise, they are most likely to be addressed at a technical level through the Performance Assessment process. However, an important part of good governance is developing and maintaining a discipline process.

During 2010/2011, we overhauled the discipline process. First, in order to evaluate the adequacy and rigor of our current process, as described by our by-laws and rules, we developed a flowchart to document and clarify our existing process. Then, we examined the processes used by other associations and societies to identify similarities and differences. We then initiated discussions with the discipline leader for the Association of Professional Engineers and Geoscientists of BC, who provided valuable information on what works well and not so well for their organization, and how they intend to improve their process.

These discussions allowed us to re-think our practice and re-draft the flow chart to create a more rigorous and potentially



more effective method. We then engaged a lawyer to provide a legal opinion on the initial and proposed processes, as depicted on the flow charts, with a view to identifying changes to existing by-laws and rules, should we choose to revise our current discipline process.

Currently, we are considering the valuable feedback that the lawyer has provided, and intend to clarify the CSAP Society Discipline process over the next few months. This past year has been rewarding and I thank fellow committee members for their help and support.

Guy Patrick, Chair



"I am excited to join the CSAP Board, to work with a fine group of scientists committed to ensuring the CSAP mandate to serve the public interest is fulfilled in a highly professional and thorough manner."

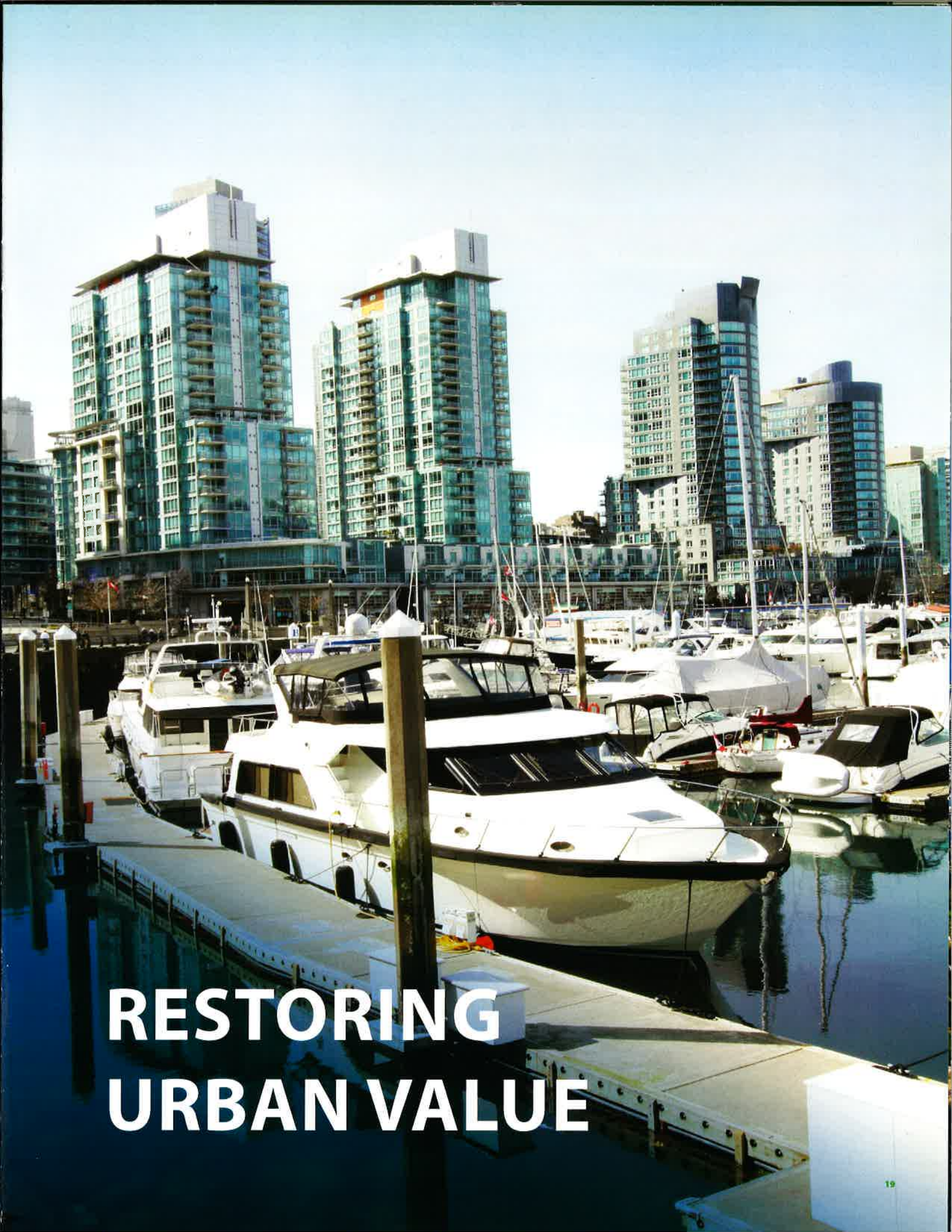
*Paul R. Cassidy
Partner, Blake, Cassels & Graydon LLP*

Paul Cassidy Joins CSAP Board

Paul Cassidy is one of Canada's leading environmental lawyers. His practice combines regulatory, corporate/commercial, litigation and policy development work for clients across North America in a variety of industries, including the energy (conventional and renewable), natural resources (mining and forestry) and manufacturing sectors. Paul heads the Blakes Environmental Group in Vancouver, which has received the top ranking among environmental law groups in The Canadian Legal

Lexpert Directory. Paul has provided expert evidence on Canadian environmental law (including federal, Ontario and British Columbia law) in legal proceedings in the United States. A trained mediator, he is a founding member of the Canadian Centre for Environmental Arbitration and Mediation. He is a governor of the British Columbia Business Council, the past co-chair of the Canadian Environmental Law Forum, and has served as a director of the Association for Mineral Exploration B.C., the Ontario

Forestry Association, and the Nature Conservancy of Canada - B.C. Region. He is a frequent lecturer at universities and management courses on environmental law and management. He has published several articles on environmental issues and was a founding editor of a book on forestry law in British Columbia. Paul serves as the lay representative on the CSAP Society Board of Directors.



RESTORING URBAN VALUE



CSAP

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