

22
23



CSAP

SOCIETY OF CONTAMINATED SITES
APPROVED PROFESSIONALS
OF BRITISH COLUMBIA

ANNUAL REPORT

ADVANCING LAND REMEDIATION + ECONOMIC GROWTH

ABOUT US

The Society of Contaminated Sites Approved Professionals (CSAP) is an independent organization that is mandated by the provincial government, through the BC Ministry of Environment and Climate Change Strategy (ENV), to review environmental certification applications (submissions) made under the *Environmental Management Act* and Contaminated Sites Regulation and, more specifically, Protocol 6.

The purpose of CSAP beyond the review of submissions includes cooperating and consulting with other professional and scientific bodies, stakeholders, and local and provincial governments. Upholding and protecting the

public's interest by ensuring the integrity, objectivity, and expertise of members is important to CSAP.

In BC, ENV is responsible for regulations detailing safe and legal levels of soil and water contaminants. Members of CSAP are qualified to review all non-high-risk environmental certification applications to ensure these regulations are being met. They perform an important role for the government and for landowners by addressing potential contamination issues in a timely manner which helps advance redevelopment projects. All non-high-risk sites seeking an ENV Certificate of Compliance must be reviewed by a Contaminated Site Approved Professional.

OUR VISION

CSAP Society, trusted professionals for sound environmental stewardship.

OUR MISSION

To serve government, the public, and industry by evaluating and advancing the practice and quality of contaminated sites management within BC's regulatory framework.

BETTERING THE INDUSTRY

As part of CSAP's commitment to bettering the industry, reviews of technical documents are undertaken at the request of ENV, stakeholders as well as internally generated. White papers and other projects designed to enhance our members' knowledge are conducted annually, the results of which are posted to the CSAP website.

78

**TECHNICAL REVIEWS
COMPLETED**

42

**SPECIAL PROJECTS
COMPLETED**

Since CSAP's inception in 2007



CSAP AT A GLANCE

MEMBERSHIP BY SPECIALITY

79

NUMERICAL
STANDARDS
SPECIALISTS

15

RISK-BASED
STANDARDS
SPECIALISTS

5

BOTH NUMERICAL
STANDARDS/RISK-
BASED STANDARDS
SPECIALISTS

99

TOTAL
MEMBERS

As of March 31, 2023

SUBMISSIONS PROCESSED UNDER PROTOCOL 6

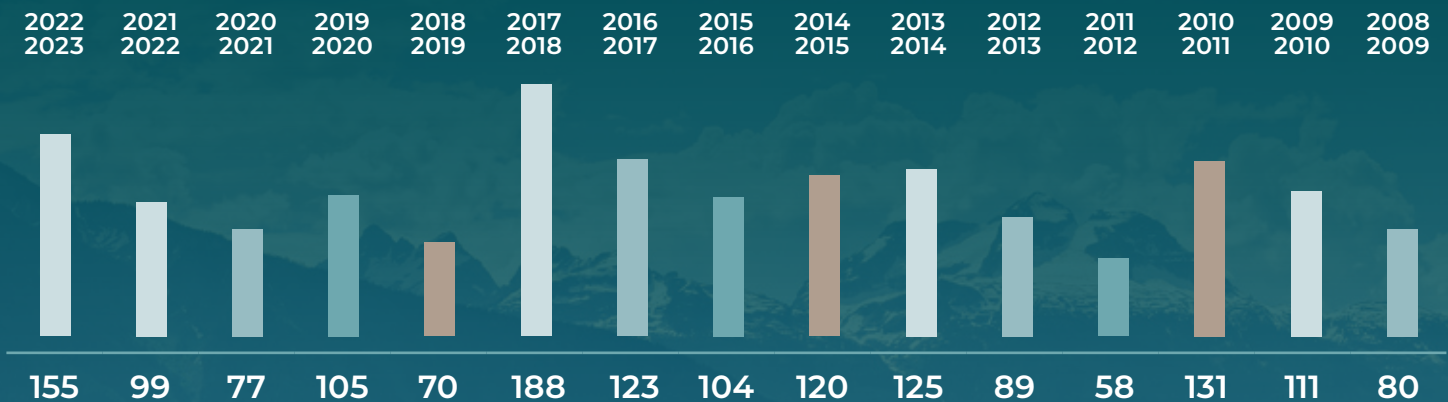
Protocol 6: Eligibility of Applications for Review by Approved Professionals (APs), sets out the activities and recommendations that are required when making a submission on a non-high-risk site. The site risk classification is determined by completing a Site Risk Classification form.

Starting July 1, 2008, the CSAP began processing submissions under ENV Protocol 6.

QUALITY ASSURANCE

To achieve consistently high standards among APs, each submission receives a detailed administrative peer screening. Random audits are conducted on one in eight submissions. These audits, or performance assessments, provide valuable feedback to the AP, serve as a check on the submissions process, and form the basis for continuous improvement.

SUBMISSIONS PROCESSED ANNUALLY



SUBMISSIONS RECEIVED BY SECTOR

	2022 / 2023		2021 / 2022		2020 / 2021	
Commercial	134	85%	83	84%	53	69%
Municipality	7	5%	6	6%	1	1%
Oil & Gas	7	5%	7	7%	14	18%
Province of BC & Crown Corps	7	5%	3	3%	9	12%
TOTAL	155	100%	99	100%	77	100%

*Financial Statements available upon request.



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MESSAGE FROM THE MINISTRY

It's been a big year for the Land Remediation Section of the Ministry of Environment and Climate Change Strategy, both in terms of volume of applications submitted and reviewed, and in major program change and growth. I joined the section as Director in September 2022 amid record high demand, Stage 14 implementation, a major digital service transformation project, and new priorities from our incoming Premier (more on these below). My sincerest thank you to the CSAP Society and all the APs for the warm welcome and support as the section has worked through these internal and external changes.

This past year, Land Remediation continued to receive extraordinarily high numbers of applications for contaminated sites services. The number of incoming applications was ~90% above what was typical in previous years. The ministry received a total of 620 applications in fiscal year 22/23, with 213 of those including the recommendation of an approved professional. A breakdown of the 213 ministry certification document applications received by the ministry is presented in the table below. The quality and completeness of submissions has also increased substantially since the previous year, with over 70% of incoming applications accepted as complete following initial screening, compared with less than 50% last year.

TOTAL	AIPS	COC NUM.	COC SLRA	COC DRA	P/F DETER.
213	44	44	14	35	76

Table 1. Number of applications with an AP recommendation

LRS is working on improving operational and business efficiency of the program with several advancements that have been made this last fiscal year and several new business improvement projects currently underway:

- The Stage 14 amendments to the Contaminated Sites Regulation came into effect on March 1, 2023. This amendment was largely related to the implementation of a new process for soil relocation. The changes were made to help increase clarity and to improve ministry awareness for compliance verification and enforcement.
- On January 30, 2023, the first phase of a new site investigation protocol was released, with an effective date of March 1, 2023. This phase of Protocol 19 contains criteria for the purpose of relocating non-waste quality soil, and the sampling requirements to ensure the soil meets the standards of the receiving site.
- Following Indigenous and public engagement through the summer of 2022, the ministry consulted further in October and December on a discussion paper describing ideas for making contaminated sites climate ready. An intentions paper will be developed this fiscal to present proposed amendments that would implement site remediation requirements to include climate change adaptation and sustainability, and protection of groundwater.
- With the increased volume of contaminated site service applications, and a commitment to address

the growing queue, Land Remediation has expanded the number of positions within the program. Several new staff have joined us over the past few months to increase our internal capacity for providing contaminated site services within shorter timeframes.

- The province's new housing action plan is a commitment to deliver more housing for people, faster. Land Remediation is now requiring information to be collected as part of the contaminated sites services application form. Based on the data gathered thus far, approximately 25% of our incoming applications have a related housing component.
- The launch of the first stage of the program's digital transformation is planned for July 2023. An online application portal and real-time status update functions are some of the features applicants can anticipate with this release.

On behalf of the Land Remediation Section of the Ministry of Environment and Climate Change Strategy I would like to express how genuinely grateful I am to all members of the CSAP Society for their professionalism, expertise, and dedication to the investigation and remediation of contaminated sites across the province. I'd like to specifically acknowledge and thank Duncan Macdonald, CSAP President; Andrew Sorensen, Vice President; Patricia Fu, CSAP Executive Director, as well as Catherine Schachtel, former CSAP Executive Director; the CSAP Board of Directors; CSAP staff; and the members of the CSAP Committees and Working Groups, for their contributions and successes through 2022-23.

I'm extremely proud of what the section and CSAP have accomplished together in 22/23 and look forward to continuing to work in partnership to build on our successes in 23/24.

Yours truly,

CARRIE NUGENT

Acting Director
Land Remediation
Ministry of Environment and Climate Change Strategy

Please subscribe to Site Remediation News on the ministry website to receive all announcements relating to the delivery of the remediation of contaminated sites.

BOARD OF DIRECTORS



1



2



3



4

APPOINTED DIRECTORS

- 1 TONY CROSSMAN**, LLB., LLM., Environmental Representative
- 2 DENISE MULLEN**, MPA., Industry Representative
- 3 CHRISTIAAN IACOE**, P.Ag., Local Government Representative
- 4 CARRIE NUGENT**, Acting Director, Land Remediation, Ministry of Environment and Climate Change Strategy

PARENT ORGANIZATION DIRECTORS

- 5 CHUCK JOCHEMS**, P.Eng., Performance Assessment Committee, Chair. EGBC.
- 6 JASON WILKINS**, P.Ag., Discipline Committee, Chair. BCIA.
- 7 CHRISTINE THOMAS**, M.Sc., R.P.Bio., Technical Review Committee, Chair. CAB.



5



6



7

DIRECTORS AT LARGE

- 8 DUNCAN MACDONALD**, P.Eng., President
- 9 ANDREW SORENSEN**, P.Eng., Vice-President, Secretary & Treasurer
- 10 MICHAEL SLOAN**, M.Sc., P.Eng., Membership Committee, Chair
- 11 PATTY CARMICHAEL**, M.Sc., P.Geo., Governance Committee, Chair
- 12 DAVID MITCHELL**, P.Eng., Professional Development Sub-committee, Chair



8



9



10



11



12

MESSAGE FROM THE PRESIDENT



This past year CSAP saw the successful and orderly transition of Executive Directors, a surge of submissions and revenue, and leadership transition at the Land Remediation Section at ENV. Thankfully, this past year was also one where we were able to hold a few more in-person meetings and a few less video meetings.

As you know, Catherine Schachtel retired in October 2022 from her role as founding Executive Director of CSAP. After

15 years leading CSAP, we were a little anxious finding a replacement for the role. Our society is a small one but requires a variety of talents, from dealing with a wide variety of technical committees and topics, to establishing relationships with directors and regulators, as well as managing operations. We were lucky to find Patricia Fu, who joined CSAP following a recruitment search. Patricia came to us from the College of Pharmacists of BC, but her background also includes education in economics and experience with real estate, communications, and technology. Thanks to Catherine's good planning and an orderly handover, and to Patricia's experience and ability to jump into the fray at full run, the transition has gone better than we could have hoped. We had a retirement lunch for Catherine that was well attended by current and

former directors, as well as ENV staff. Thank you again, Catherine, for everything you have done for CSAP. Welcome Patricia and thank you for joining!

The biggest story of the past year in operations at CSAP was an increase in the volume of submissions. Changes in policy at the Land Remediation Section of ENV during the previous year led to a surge in Approvals in Principle. We are doing our best to keep up with the increased volumes at CSAP and plan for the coming year. The more recent Stage 14 regulatory changes are expected to have less impact on submission volumes but are having significant impacts to the practice of managing contaminated sites, nonetheless.

The Land Remediation Section at ENV also experienced a leadership

change in the past year, with Carrie Nugent taking on the role of Director. CSAP is closely working with the ENV team to determine how we can best help assist ENV and our membership through the impact of regulatory changes. The relationship between CSAP and the ENV management team is an important one, and I appreciate the efforts made by Carrie Nugent and her team to make the relationship as successful as possible.

As I step down from my current role with CSAP, I am grateful to be part of such an interesting and successful society with so many members contributing so much to its ongoing success. Thank you all for a very rewarding and interesting few years!

**DUNCAN
MACDONALD**
P.Eng., President

MESSAGE FROM EXECUTIVE DIRECTOR



It was my great pleasure to join CSAP in October 2022.

This past year marked a winding down of the pandemic and with it a return to in-person meetings and events. Soon after joining, I attended our

PD Workshop in November 2022, our first in-person event since 2019, and enjoyed meeting many members and stakeholders.

As Duncan mentioned, this past year saw a marked increase in the volume of submissions, compared to the past few years, which kept APs and CSAP staff busy. We saw an increase of almost 57% in submissions over the previous year. As well, the regulatory changes from Stage 14 amendments took effect in March 2023.

Amidst such a busy year, we made improvements to the CSAP map in the Member Services area and completed further

refinements of CSAP Guidance for Potential Contaminants for Concern. The Membership Committee also undertook a review of the CSAP exam process.

In late 2022 and early 2023, CSAP held Strategic Planning sessions to set goals and objectives for the 2023-2025 period, as well as committee work plans. All the CSAP committees had a very busy year as well. I would like to take this opportunity to thank all the committee members for their participation and hard work.

I've also gotten to know some of the folks at ENV

over the past few months and look forward to working more closely with them. Also, we will be saying goodbye to Duncan and Patty Carmichael as they will be stepping down from the Board.

Lastly, I would like to thank the Board of Directors, members, stakeholders, and CSAP staff who welcomed and supported me throughout this eventful year. I look forward to continuing to work together.

PATRICIA FU
Executive Director

MEMBERSHIP COMMITTEE



MICHAEL SLOAN, M.Sc., P.Eng., Chair

COMMITTEE

HARBAY BAINS, P.Eng..

DAWN FLOTTEN, P.Eng.

SAM REIMER, P.Ag.

MICHELLE UYEDA, M.Sc.,
P.Eng.

AUDREY WAGENAAR,
P.Chem.

DIANE ZORN, P.Eng.

EXAM DEVELOPMENT SUB-COMMITTEE

TADD BERGER, M.Sc., EP, P.Ag.

IAN MITCHELL, M.Sc., P.Geo.

SAM REIMER, P.Ag.

COMMITTEE PURPOSE

ADMINISTER THE MEMBERSHIP APPLICATION AND EXAMINATION PROCESS:

- › Update and align the Membership Guidelines with CSAP Bylaws and Rules, and verify that existing members maintain their qualifications and remain in good standing.

OVERVIEW

IN 2022/23 THE COMMITTEE:

- › **NEW MEMBERS TO COMMITTEE** – We welcomed a new committee member Harbey Bains and the new chair of the Exam Development Sub-committee (EDS) for 2023-2024, Mandeep Purewal.
- › **NEW MEMBERS TO CSAP** – two new APs passed their exams in 2022 and were added to the Numerical roster — congratulations!
 - **MEREDITH GUEST, PMP, P.ENG.** – SNC Lavalin
 - **SETH KINGSBURY, P.AG.** – Ausenco

- › **PASSING THE SHARPIE** – Sam Reimer, stepping down from the Exam Development Sub-committee, has chaired the EDS almost continuously since its inception and has contributed immeasurably to the integrity of the CSAP qualification process over the years. We will miss his wise counsel even while he passes along his experience and insight to Mandeep as she capably takes the reins of the EDS.

ACTIVITIES AND ACCOMPLISHMENTS

- › **NEW TECHNICAL EXAM PROCESS!** The committee implemented a proposal to replace the technical written exams with Oral Assessments for the Numerical and Risk-Based applicants to CSAP. The Regulatory Exam will remain as the written examination component of the member qualification process and it will also be maintained for renewing members who cannot meet their submission requirements. Under Mandeep's leadership of the EDS, along with our psychometric expert, this new process will be in place by the fall of 2023, just in time for the Oral Assessments in September and the Regulatory Exam in November.
- › **REVISED MEMBERSHIP GUIDELINES (FEB 2023)** – posted on the CSAP website.

MEMBERSHIP STATISTICS

AS OF MARCH 31, 2023, THERE WERE:

99 FULL-TIME MEMBERS (79 NUMERICAL;
15 RISK; 5 BOTH)

14 ASSOCIATE MEMBERS

5 RETIRED
MEMBERS

BY PROFESSIONAL ORGANIZATION AFFILIATION

68 ENGINEERS &
GEOSCIENTISTS OF BC

15 COLLEGE OF APPLIED
BIOLOGISTS

14 BC INSTITUTE OF
AGROLOGISTS

5 ASSOCIATION OF THE
CHEMICAL PROFESSION OF BC

Some members are part of two or more professional organizations.

*Thank you for your
participation and we
wish you all the best!*

RETIRING MEMBERS

STEVE GRAHAM
TRISH MILLER
ALLAN MORRISON
RICHARD WELLS
ROSS WILSON

MEMBER VOLUNTEER HOURS 2022/2023

62 NUMBER OF APS WHO
VOLUNTEERED

68 AVERAGE NUMBER OF
HOURS VOLUNTEERED

390 HIGHEST NUMBER
OF HOURS

TOTAL NUMBER
OF HOURS
VOLUNTEERED

4223

MEMBER PARTICIPANTS 2022 / 2023

Mark Adamson
Harbey Bains
Tadd Berger
Patricia Carmichael
Jason Christensen
Anthony Collett
John DeCesare
Travis Deeter
Brant Dorman
Paul Embregts
Dawn Flotten
Paul Gardner
Michael Geraghty
Eva Gerencher
Michael Gill
Tony Gillett

Gary Hamilton
Ian Hers
Art Hildebrand
Chuck Jochems
Blair King
Ingolf Lambrecht
Ben Lin
Gary Lin
Ryan Loveridge
Duncan Macdonald
Traci Magee
Bonnie Marks
Takako Matsueda
Blair McDonald
Michael McLeay
David Mitchell

Ian Mitchell
Zayed Mohamed
Simone Mol
David Newton
Reg North
Cindy Ott
Beth Power
Mandeep Purewal
Stefan Quaglia
Lesley Reid
Peter Reid
Sam Reimer
Erin Robson
Tara Siemens Kennedy
Michael Sloan
James Smith

Andrew Sorensen
Scott Steer
Bob Symington
Chad Taylor
John Taylor
Christine Thomas
Ajay Tumber
Michelle Uyeda
Audrey Wagenaar
Alan Walker
Jason Wilkins
Ross Wilson
Reidar Zapf-Gilje
Diane Zorn

PERFORMANCE ASSESSMENT COMMITTEE



CHUCK JOCHEMS, P.Eng., Chair

COMMITTEE

JASON CHRISTENSEN, P.Eng.

GARY HAMILTON, M.Eng., P.Geo.

DAVID MITCHELL, P.Eng.

STEFAN QUAGLIA, EP, R.P.Bio.

TARA SIEMENS KENNEDY, MET, P. Chem.

OVERVIEW

One in every eight AP recommendations is selected for a PA on a random basis. Non-random performance assessments (NRPA) may also be triggered by a remedial measure outcome of a previous performance assessment, a request by ENV, or where errors are identified during the CSAP detailed screening process. When PAs are conducted, a PA panel is organized by the PA Coordinator, which includes two standards assessment panel members and a standards assessment Delegated Member (DM who sits on PAC) for numeric-based submissions. For detailed risk-based submissions, a risk assessment panel member and a risk assessment DM are also included on the PA panel. As noted above, in some circumstances when issues arise during the CSAP detailed screening process, a Focused Review is conducted by a DM and if an issue cannot be resolved, then the submission may be referred to PAC for a NRPA.

COMMITTEE PURPOSE

The Performance Assessment Committee (PAC) is responsible for CSAP's quality assurance process, confirming AP recommendations for legal instruments are supported by scientifically sound technical reports prepared in accordance with the governing legislation and ENV governing protocols, procedures, and guidance. The overall goal of the performance assessment (PA) process is to confirm that the documents submitted to ENV for legal instrument applications are accurate, complete, and valid.

ACTIVITIES AND ACCOMPLISHMENTS

- › Provided an update to the membership at the Fall 2022 Professional Development (PD) session with examples of Focused Review outcomes and reminders on ENV expectations on documenting communications with Affected Parcel owners in support of AP submissions.
- › Conducted 24 PAs on 155 AP submissions, including five NRPAs. We opened better communication channels with ENV to facilitate discussion of common and up-to-date issues that arise on PAs of the day through regular face-to-face meetings.
- › Helped CSAP develop guidelines for time spent on average PAs for panel members and DMs to provide better estimates for CSAP's annual operating budget.
- › Revised the PA Guidelines to incorporate Focused Reviews, timing of PA responses by submitting APs, and minor clarification of the PA Coordinator's role.

PERFORMANCE ASSESSMENT STATISTICS

PERFORMANCE ASSESSMENT TIMELINES

SELECTED FOR PA

24

COMPLETED <1 MONTH

34%

COMPLETED 1-2 MONTHS

29%

COMPLETED >2 MONTHS

4%

IN PROGRESS

33%

PERFORMANCE ASSESSMENT INSTRUMENT STATISTICS

CoC NUMERICAL

10

CoC DETAILED RISK

7

AIP NUMERICAL

3

CoC SCREENING RISK

2

DETERMINATION

2

PERFORMANCE ASSESSMENTS CONDUCTED

CONDUCTED

24

SUFFICIENT WITH CLARIFICATION

9

SUFFICIENT AT STAGE 1

6

IN PROGRESS

8

DEFICIENT

1

Note: APs' response times and ENV time to release instruments are not included.

DETAILED SCREENING SUB-COMMITTEE



TARA SIEMENS KENNEDY, MET, P.Chem., Chair

COMMITTEE

EVA GERENCHER, M.Sc.,
P.Ag.

CHUCK JOCHEMS, P.Eng.

DAVID NEWTON, P.Geo.

BOB SYMINGTON, P.Geo.

OVERVIEW

In 2022-2023, the DSC updated the Detailed Screening (DS) Worksheets to align with the 2021 regulatory changes. This year, minor updates were made to the DS worksheets to improve clarity, and the Submission Screening Guidelines were updated. The Submission Screening Guidelines, which include the DS Worksheets as an appendix, are available on the CSAP website. Two new Detailed Screeners were added to the roster this year to ensure that screenings are completed in a timely manner.

The DSC continues to work collaboratively with ENV to ensure that Protocol 6 submissions contain all necessary documentation when they are sent to the ENV. We have seen fewer comments from ENV statutory decision makers that review submissions, indicating that the overall quality of submissions is improving.

COMMITTEE PURPOSE

The Detailed Screening Sub-committee (DSC) was established in 2014 to design and implement a Submission Screening Process to be undertaken by CSAP on behalf of ENV. The DSC meets to review screening issues and ENV feedback to fine tune and update the screening tools and to disseminate this information to the membership.

REVIEW SERVICES SUB-COMMITTEE



DAVID NEWTON, P.Geo., Chair

COMMITTEE

BRANT DORMAN, P.Eng.

MICHAEL GERAGHTY, M.Sc.,
P.Geo.

EVA GERENCHER, M.Sc.,
P.Ag.

STEFAN QUAGLIA, EP,
R.P.Bio.

JOHN TAYLOR, P.Eng.

AJAY TUMBER, P.Eng.

OVERVIEW

As of January 31, 2022, ENV specified that a subset of reports must be forwarded through CSAP for review instead of through ENV. Types of reports (Monitoring Reports) identified for RSC review were associated with Director's reporting requirements. These are typically reporting requirements specified in regulatory instruments: Approval in Principle (AiP), Soil relocation agreements and some Certificates of Compliance. For example, all AiPs require an annual report be submitted in regard to remedial progress in the context of the Remedial Plan.

Members of the RSC provide technical reviews of the submitted Monitoring Reports confirming that the work completed was consistent with the requirements of the instrument and supporting documents (e.g. as required by the Performance Verification Plan or Remedial Plan). The RSC reviews are forwarded to ENV where the Statutory Decision Maker considers the information and makes the final decision on the adequacy of the work.

The RSC doesn't complete reviews of Monitoring Reports submitted in support of Site Disclosure Statement/permit releases or of high-risk sites and those remain with ENV.

ACTIVITIES AND ACCOMPLISHMENTS

The RSC processed 25 Monitoring Reports in the past year. We anticipate a similar number of submissions in 2023/24.

COMMITTEE PURPOSE

The Review Services Sub-committee (RSC) provides technical reviews for ENV, largely in regard to reports submitted to satisfy a Director's reporting requirement. The objective of the RSC is to assist ENV by providing review and processing support where requested.

PROFESSIONAL DEVELOPMENT SUB-COMMITTEE



DAVID MITCHELL, P.Eng., Chair

COMMITTEE

ANTHONY COLLETT, M.Sc.,
P.Geo.

TRAVIS DEETER, EP, P.Ag.

PAUL GARDNER, M.A.Sc.,
P.Eng.

ERIN ROBSON, M.Eng.,
P.Eng.

JAMES SMITH, R.P.Bio.

BOB SYMINGTON, P.Geo.

ACTIVITIES AND ACCOMPLISHMENTS

FALL PD WORKSHOP

CSAP's first in-person Fall PD Workshop in three years was held on November 17, 2022, at the Vancouver Convention Centre. The theme was Post Stage 14 Soil Management. Over 100 professionals attended and enjoyed networking with colleagues, stakeholders, and regulators. Sessions featured ENV, BC Hydro, a local economist, a panel discussion, and more. For those who were unable to attend, find the workshop presentations on the CSAP website.

LUNCH AND LEARN

In early 2023, we launched our Lunch and Learn series of one-hour virtual webinars on a variety of topics affecting APs. Seven were scheduled for the year with a combination of sessions open to the public and Members' Open Forums. Members' Open Forums are for members only and provide APs an opportunity to confidentially address issues affecting their practice with their peer group.

The first public session in February on AIPs, a joint presentation with ENV, was attended by over 100. Thank you to those who asked questions and shared experiences.

Find the remaining schedule for 2023 on the CSAP website.

COMMITTEE PURPOSE

The Professional Development Sub-committee works to provide learning opportunities for our members, bringing together expertise, experience, and knowledge to support high professional standards and foster innovation.

OVERVIEW

The focus of 2022-2023 was twofold: bring back the Fall PD Workshop as an in-person event after a hiatus due to the pandemic and launch a virtual Lunch and Learn series.

AGM 2022 (VIRTUAL)

ATTENDEES: JUNE 8, 2022

81 MEMBERS

82%

OF MEMBERS
ATTENDED

ATTENDEES: JUNE 9, 2022

87 MEMBERS

88%

OF MEMBERS
ATTENDED

FALL PD WORKSHOP 2022 (IN PERSON)

ATTENDEES: NOVEMBER 17, 2022

TOTAL:

107

60

MEMBERS

47

NON-MEMBERS

MEMBERS' UPDATE

The Members' Update, CSAP's quarterly newsletter, communicates changes, news, events, and updates from CSAP and ENV.

SUBSCRIBERS:

344

111

MEMBERS

233

NON-MEMBERS

TECHNICAL REVIEW COMMITTEE



CHRISTINE THOMAS, M.Sc., R.P. Bio., Chair

COMMITTEE

MICHAEL GILL, P.Eng.

IAN HERS, P.Eng.

TAKAKO MATSUEDA, P.Eng.

SIMONE MOL, Ph.D., P.Chem.

MANDEEP PUREWAL, R.P.Bio., P.Ag.

ALAN WALKER, M.Sc., P.Eng.

COMMITTEE PURPOSE

The Technical Review Committee (TRC) manages the Technical Review Process, the CSAP Scholarship Program, the CSAP Small Special Project Funding Program, and other technical issues on behalf of CSAP.

OVERVIEW

The committee is responsible for conducting technical projects (i.e., referred to as Special Projects) to address AP-related issues and guidance. The committee also conducts Technical Reviews when requested from internal (e.g., CSAP Board of Directors, CSAP Committees) or external parties (e.g., ENV).

ACTIVITIES AND ACCOMPLISHMENTS

SPECIAL PROJECTS AND TECHNICAL REVIEWS:

In 2022/23, the committee completed the following Special Projects:

- Further Refinement of CSAP Guidance for Potential Contaminants of Concern
- Further updates to the CSAP Webmap to improve functionality
- CSAP Guidance on Climate Change and Impacts on BC Contaminated Sites

Technical Reviews this year consisted of the review of the ENV discussion paper Making Contaminated Sites Climate Ready. The committee provided comments on the discussion paper based on recommendations of the CSAP TRC Working Group and included feedback received from seven firms/individuals.

New Special Projects for 2023/24 that are currently in progress include:

- Protocol 2 and Development of Site-Specific Standards: Use of Groundwater Protection Model –

The purpose of this project is to raise awareness to practitioners on the potential use of the Groundwater Protection Model under Protocol 2 by preparing a presentation and written summary that can be used as a reference for practical use of Protocol 2.

- Shallow Vapour Attenuation Factors – The purpose of this project is to provide practitioners with science-based approaches for assessment of vapours in indoor air where groundwater is near to or in contact with the building foundation. The project will also include a desktop evaluation of attenuation factors and information from other jurisdictions as it relates to the new soil relocation legislation and the triggers for soil vapour assessment.

In addition, the committee is planning another Special Project related to the new soil relocation legislation and Protocol 19 - Site Investigation and Reporting. This project will be initiated once more experience is gained with the new legislation. It is also anticipated that the committee will conduct a Technical Review of Protocol 19 along the same timeline.

Finalized TRC projects are available on the CSAP website.

RESEARCH SCHOLARSHIPS

CSAP awards three scholarships annually (value of \$17,000) to graduates studying in the area of contaminated site investigation and remediation. In June 2022 the recipients were:

- Samia Syeoti Ramim, Ph.D. – Civil Engineering, UBC, Mike Macfarlane Award
- Ariel Greenbalt, M.Sc. – Earth Sciences - Hydrogeology, SFU
- Amirah Syafika Mohd Nasir, M.A.Sc. – Chemical and Biological Engineering, UBC

GOVERNANCE COMMITTEE



PATTY CARMICHAEL, M.Sc., P.Geo., Chair

COMMITTEE

MICHAEL GERAGHTY,
M.Sc., P.Geo.

TONY GILLET, P.Eng.

BETH POWER, M.Sc., R.P.Bio.

PETER REID, M.B.A., P.Eng.

ACTIVITIES AND ACCOMPLISHMENTS

This year, the committee carried out the following work:

- › Undertook the annual review of the Governance Committee's terms of reference.
- › Reviewed and updated CSAP's Risk Analysis Register. The Risk Register was introduced by the Governance Committee in early 2020 as part of a risk analysis that considers risks to CSAP and the probability, magnitude, and mitigation measures for each identified risk. Categories of risk included are financial, legal, operations, government/regulatory, and reputation. This year, the Register was updated to include the status of an entity responsible for each risk.
- › Reviewed, provided comment on, and agreed with the revisions to the proposed professional development hour changes to the Membership Guidelines.
- › Reviewed minor revisions made to the Performance Assessment Guidelines.
- › Reviewed and discussed CSAP's Employment Diversity and Human Rights Policy which was written in 2012. It was decided to separate the document into two different policies: 1) a general diversity, equity, and inclusion policy and 2) an operational employment policy. This work is in progress.

COMMITTEE PURPOSE

The purpose of the Governance Committee is to provide oversight and recommend processes for the effective functioning of the CSAP Board of Directors, the committees and task forces, and for any other work undertaken by the Board.

OVERVIEW

The committee assesses, develops, and recommends to the CSAP Board for approval, governance principles, policies, and practices related to the functioning of the Board and CSAP.

DISCIPLINE COMMITTEE



JASON WILKINS, EP, P.Ag., Chair

COMMITTEE

GARY HAMILTON,
M. Eng., P.Geo.

INGOLF LAMBRECHT,
P.Geo

REIDAR ZAPF-GILJE,
Ph.D., P.Eng.

OVERVIEW

Over the past year, the committee has determined remedial measures for two deficient submissions through the Performance Assessment process. One determination was successfully appealed to the CSAP Board and subsequent measures were amended accordingly.

ACTIVITIES AND ACCOMPLISHMENTS

The committee sought additional funding to review and establish guidelines for future complaints and remedial measures that will allow for consistency and clearer distinctions between punitive and remedial measures. Funding has been approved, and the committee is actively reviewing the Discipline Committee Guidelines.

COMMITTEE PURPOSE

The Discipline Committee, on behalf of the Board, reviews complaints and determines remedial measures for submissions found deficient through the Performance Assessment process.

MEETING ACTIVITY

DIRECTORS, INTERNAL AND STANDING COMMITTEE MEETINGS

7

BOARD OF
DIRECTORS

6

EXECUTIVE
COMMITTEE

11

PERFORMANCE
ASSESSMENT
COMMITTEE & APPEALS

8

PROFESSIONAL
DEVELOPMENT
SUB-COMMITTEE

6

REVIEW SERVICES
SUB-COMMITTEE

2

GOVERNANCE
COMMITTEE

5

MEMBERSHIP
COMMITTEE

4

ENV
FACE TO FACE

6

TECHNICAL REVIEW
COMMITTEE

3

DISCIPLINE
COMMITTEE

2

ANNUAL GENERAL
MEETING & PD WORKSHOP

1

PD
WORKSHOP

EXAM PROCESS MEETINGS

1

LEAD
EXAM

2

NUMERICAL EXAM
WORKSHOP

2

NUMERICAL EXAM
WRITING WORKSHOP

2

REGULATORY EXAM
WORKSHOP

2

REGULATORY EXAM
WRITING WORKSHOP

2

RISK EXAM WRITING
WORKSHOP











TOTAL MEETINGS =

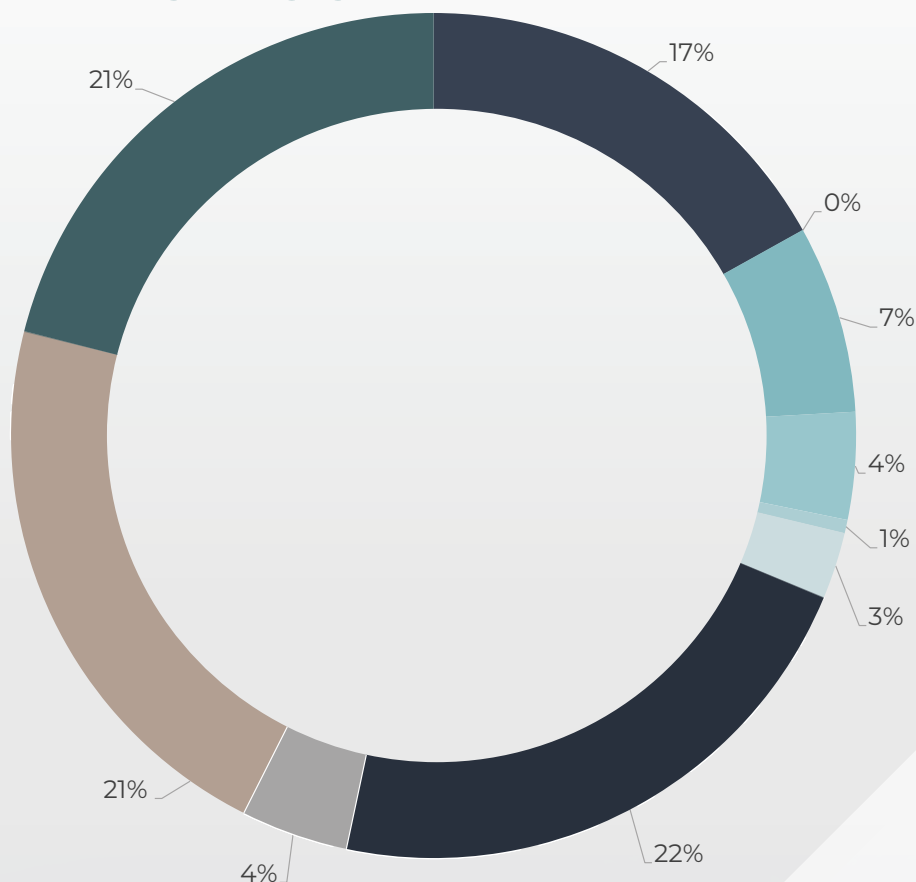
72

INSTRUMENT STATISTICS

INSTRUMENT OVERVIEW

2022-2023

	AiP Num	17%	[33]
	AiP SR	0%	[0]
	AiP D Risk	7%	[14]
	CoC AiP Num	4%	[8]
	CoC AiP SR	1%	[1]
	CoC AiP DR	3%	[5]
	CoC Num	22%	[43]
	CoCSRisk	4%	[8]
	CoC D Risk	21%	[42]
	Determinations	21%	[41]



TOTAL =

195

*Special thanks
to our staff!*



ANNA POPOVA
Administrative
Screener



NELLY POMAREDA
Operations
Coordinator



DANA BIDNALL
Communications
Coordinator

STRATEGIC PLAN 2023 – 2025

CSAP ENDEAVOURS TO SERVE:

MEMBERS

- › through accreditation and professional development,
- › through promoting cooperation and mentoring while adhering to our ethical standards, and
- › through managing the CSAP Society in a manner that maintains sustainability and longevity.

GOVERNMENT & THE PUBLIC

- › by instilling confidence through developing and maintaining strong professional standards of practice,
- › by facilitating, advising, and making sound recommendations regarding recognition, investigation, and remediation, as well as for guidance and policy development of contaminated sites, and
- › by engaging the public in seeking feedback and input.

› INDUSTRY

- › by creating value through transparent, efficient, and timely processes,
- › by proactively identifying areas for change and improvement, and
- › by engaging stakeholders and seeking feedback and input on matters that affect industry.

BUILDING AWARENESS

DEVELOP A COMMUNICATIONS PLAN TO BUILD AWARENESS OF CSAP AND APPROVED PROFESSIONALS' ROLES

1

SUSTAINABILITY

ENSURE THE RELEVANCE AND VIABILITY OF CSAP AND APPROVED PROFESSIONALS FOR YEARS TO COME

2

PROACTIVE INTERACTION WITH ENV

CONTINUE TO BE A SUPPORT AND FIND NEW WAYS TO WORK TOGETHER

3

4

EDUCATION & OUTREACH

PROVIDE OPPORTUNITIES FOR MEMBERS TO SHARE EXPERIENCES AND PROVIDE PEER SUPPORT





CSAP

SOCIETY OF CONTAMINATED SITES
APPROVED PROFESSIONALS
OF BRITISH COLUMBIA



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