

ASPECT

Definition: ˈas – pekt / 1. a position facing a particular direction
2. appearance to the eye & mind.

THE DEGIFS NEWSLETTER

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The “Editorial” – Field Season’s Memorable Moments

With spring in full swing and summer just around the corner, I have hopes and aspirations of lazy sunny days spent on the beach, boating, hiking, fishing and camping. The reality is that field season is back in full swing. This isn't the time for rest and relaxation. Here come the bugs and blow-down. Somehow there's time to pause and reflect on what I could be doing. Albeit while traveling from job to job on busy highways or dusty, bumpy forest roads. It seems there aren't enough hours in a day or days in a week. The report writing starts to pile up and must be done on weekends and evenings. With all these trials and tribulations I must be crazy to work in the field!

Then I'm reminded of all the great moments working in the bush. I have come across basalt cliffs loaded with common opals. I have helped sling gems found on an alpine ridge in crystal blue sunshine waiting for the fog to clear so we could fly down to a block that needed a field assessment. Waterfalls fascinate me. I carry a camera in the bush to capture interesting and unique pictures. I meet other professionals in the field and trade interesting stories. They point out fascinating features of flora and fauna that I would normally walk right past. I've had great, exciting moments while coming across wildlife in the bush like grizzly, a herd of caribou, lynx, wolverine, mountain goats and big horn sheep. The moment was just that, a split second and then it was gone.

I've enjoyed following an esker ridge near the crest of a steep slope with a kettled terrace on the opposite side. How did it get there? Can the steep slope be harvested by cable methods? Every once in a while I come across something really big, like a huge relic landslide. The questions that these features invoke are the spice of my chosen profession. I can't say with absolute certainty that I'm right in my attempts to date these events. They occurred prior to recorded history and it's difficult to justify spending the money to accurately age these events. However, the bigger picture dictates that the cause and the potential for reoccurrence of these geological events need to be treated with care and dignity in my chosen field.

So the pieces of the puzzle start to fall into place. That's why I'm not crazy and why I'm looking forward to another field season! I can mix in a little camping, fishing, hiking or boating with my work. Perhaps, while doing my field work, I'll even get in a little dip on an isolated beach if only for a moment? Priceless!

Do you have a memorable field experience? Aspect could tell the tale..... Chances are you'll be hearing more of mine.

The Ed



UP-CLOSE and PROFESSIONAL DEGIFS MEMBER PROFILE

DEGIFS Member: Jamie Stirling, M.Sc., P.Geo.
Geomorphologist, Hay and Company, Vancouver

Interviewer: Jennifer Clarke



Photo: Jamie Stirling, Cheslatta Fan (2001), Nechako River

Who are you and how did you get where you are?

Jamie Stirling is a geomorphologist with Vancouver-based consulting firm Hay and Company Consultants. He graduated from York University in 1994 with an undergraduate degree in Geography and went down the street to the University of Toronto to complete a Masters of Science in Geography with a specialization in fluvial systems. Jamie was lured to B.C. thanks to an FRBC-generated employment-boom for geomorphologists. He was hired by Hay and Company Consultants, sight unseen in 1996, to work on watershed and stream channel assessments.

Jamie is also known for his active extracurricular life. In the summer, Jamie spends sleepless nights competing in multi-day adventure races. Jamie spends winters Nordic ski racing. He recently received a medal for completing the Vassaloppet in Sweden in 1.5 times the winning time. The race is the longest, oldest, and biggest Nordic ski race in the world. It should be no surprise then that Jamie is also known for his eating. Highlights include: 2nd place SPAM eating contest (to an Anchorage football player), 2nd place grape stuffing contest (49!), and 1st place hotdog eating contest (9½ fully loaded)...(eeeuuuuwwww!!!)

What do you do? Jamie works with Hay and Company Consultants, which is now a division of EBA Engineering Consultants Ltd, on projects in the water resources engineering field. This includes fluvial geomorphology, surface water hydrology, flooding and erosion studies, stability assessments, stream setback assessments, historical stream analysis, and development-related environmental studies. Typical clients include DFO, MOF, MWLAP, DIAND, and the private sector.

What has been your most favorite project experience? The Colomac Gold Mine Remediation Project, situated 200 km north of Yellowknife, where Jamie completed a hydrological assessment and runoff budget for a tailings lake. Jamie enjoyed being part of a very large remediation project, working with the locals, spring runoff, and the different climate, landscape, and environment.

If you could impart some advice to young DEGIFS members what would it be? "Take advantage of networking opportunities such as conferences and workshops. Meet as many people in the field as possible to find out what they are doing."

In your opinion how can APEGBC or DEGIFS better meet the needs of its members? Jamie feels that there could be a greater focus on water resource issues. He indicates that APEGBC and DEGIFS appear to be fairly terrestrial, with little acknowledgement of the important link between surface water issues and slope stability, for example. There could be more Continuing Professional Development opportunities in the field of watershed management, flooding, erosion, and hydrology.

If you could be any kind of geomorphological event, what would it be? Jamie would be a debris flow – lots of power and destruction (said with a gleeful laugh).



2005/06 DEGIFS EXECUTIVE NOMINATIONS AND BIOS

Terms of Reference

The DEGIFS terms-of-reference (TOR) specify that the DEGIFS executive shall consist of the Past Chair and 7 members elected by the DEGIFS membership. The term of an executive member is two years. Three executive members are replaced each year with a fourth position replaced every second year. Those not replaced carry on to complete their second and in the case of the chair position third term on the executive.

Executive members whom were elected last year and are continuing include:

- Bruce Thomson, P.Geo.
- Mark Goldbach, P.Eng., L.E.G.
- Ron Jordens, P.Eng.

As out-going chair, Heather Blyth, P.Geo., will continue with the executive for an additional year as Past Chair.

Executive members completing their terms this year are:

- Brian Chow, P.Eng.
- Tim Dunne, RPF, P.Eng.
- Deepa Filatow, P.Geo.
- Calvin VanBuskirk, P.Eng., P.Geo.

In accordance with the DEGIFS TOR, a Nominating Committee was struck to make nominations for 4 positions on the 2005/2006 DEGIFS Executive. The goal of the nominating committee was to seek nominations for the executive that when combined with the continuing executive members, is representative of:

- The diverse fields of professional practice within the DEGIFS membership;
- The geographic areas in which the DEGIFS membership practice; and
- Provides government, industry and consultant representation.

The following is the list of the nominees, who have agreed to be nominated for the 2005/2006 DEGIFS Executive:

- Norman Deverney, P.Eng.
- Julian Henley, P.Eng.
- Doug Underhill, P.Eng., R.P.F.
- Dave Wilford, P.Geo.

Under the TOR, additional nominees can be made, in writing, by a minimum of two DEGIFS members. Such nominations, signed by the members making the nomination and accompanied by written consent of the nominees, must be sent to the DEGIFS Secretary c/o Peter Mitchell, P.Eng., at APEGBC. To be eligible, the nominations must be received no later than 30 days after this publication of the list of candidates nominated by the Nominating Committee. Please note affiliate members are not eligible to hold executive positions or vote in an election.

In accordance with the TOR, if no nominations are received from the membership in accordance with the above criteria, those nominated by the nominating committee will be declared elected by acclamation and no letter ballot will be conducted.

In the event that nominations are received from the membership such that the total number of nominees is greater than executive positions available, a letter ballot will be conducted.

Critical dates for the election of Executive members include:

- Deadline for receipt in writing of nominations: 30 days after the publication of Volume 10, No. 2 of Aspect (Deadline = July 20, 2005 – assuming a June 20, 2005 release date of Volume 10, No. 2 of Aspect)
- Letter ballots to be sent to the membership eligible to vote: September 2, 2005
- Deadline for receipt of completed ballots: September 28, 2005
- Ballots to be counted by: October 3, 2005
- Membership to be notified of election results at the DEGIFS Annual General Meeting scheduled for Richmond, October 13, 2005.

Additional details on the election of executive Members can be found in the DEGIFS Terms of Reference which can be found on the DEGIFS web site at: www.degifs.com.



Bios

Norman Deverney, P.Eng.

I am pleased to accept the nomination to the DEGIFS Council.

My field of practice in BC over the past eleven years has been as a consulting engineer providing professional services to resource companies. I have worked as a sole practitioner since 1998. Our company's primary client base is in the forest industry, however we also provide services to the pipeline, power transmission, and transportation industries for development and maintenance of Right of Way infrastructure.

Our present area of operations is the southeastern part of the province within the East / West Kootenay and Boundary areas. Until 2001, I also worked regularly in the northeastern part of the province (Fort Nelson area). An angry sow grizzly bear with cubs convinced me that I should work elsewhere, and my scars are a daily reminder.

Our profession has always faced and has usually met challenges for resource development in difficult conditions with limited site-specific knowledge. The test has been increased by changes to provincial regulations and by the developing Pine Beetle disaster. I have personally been faced with more "no win" situations in the past year than in the previous ten years before that. It seems that a traditionally conservative "do nothing" approach often presents adverse outcomes similar in magnitude to more assertive active management practices.

We rely on our skills and experience for the technical parts of our work, and consult with other professionals for the bits that we do not know so well. I believe that DEGIFS has a role to assist our members in the ethical approaches to complex decisions. Sometimes, the only advice will be to say, "Gee, that's a tough one." I think I would be good at that.

JULIEN HENLEY, P.Eng.

I am a bridge engineer with 9 years of experience, focusing on the design, assessment and construction of bridge structures. My work has predominantly focused on the resource and municipal sectors in British Columbia and Alberta. I have also been involved with the development of Ministry of Forest

Standard Bridge Design Drawings and recently completed an evaluation of the Canadian Highway Bridge Design Code for the Ministry of Forests who are considering adopting the new code with modifications to suit typical forestry bridge design. This work has been presented to DEGIFS members at the annual APEGBC Conferences. In addition to my work at Associated Engineering, I have also joined the CSA W47.1 Technical Committee for the Certification of Companies for the Fusion Welding of Steel.

In addition to the technical side of bridge engineering, I have been involved in the completion of numerous design build projects ranging from small single span crossings to large multi-span steel bridges. These experiences have provided me with the background required to successfully practice engineering in the Forestry Sector where simplicity and practicality are valued.

By serving on the DEGIFS Executive I am provided with the opportunity to share some of my experiences, and learn from others, regarding the practice of engineering in the Forestry Sector. This is especially important with the introduction of new guidelines for the practice of engineering in the Forestry Sector and the advent of performance based codes that rely on our professionalism and self-regulation. These new challenges present us with an ideal opportunity to shape the way we practice engineering and I would like to participate in the implementation of these changes.

DOUG UNDERHILL, P.Eng., R.P.F.

Education: BScFE UNB 1989

Position: Forest Engineer, Helifor Industries Limited

I am honoured to be asked to run for a position in the DEGIFS Executive. I have been working in the forest industry since birth so I am very passionate about it. I have spent the last 15 years on the coast of BC performing various forestry and forest engineering duties including road and cutblock layout, the supervising logging crews, and preparing harvesting plans and budgets. My current role at Helifor is primarily focused on calculating helicopter logging productivity and costs but it also includes customer liaison, planning, providing technical advice to other foresters/engineers, and trying to keep up with the seemingly endless and ever-changing regulations that govern us.



DEGIFS

The Division of Engineers and Geoscientists in the Forest Sector

www.degifs.com

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Professional Engineers
and Geoscientists of BC

www.apeg.bc.ca

DAVID WILFORD, Ph.D., P.Geo., R.P.F.

I am honoured to be nominated by my peers as a candidate for the DEGIFS Executive. I graduated with a BSF in 1973 and began work in the forest industry, but the field of forest hydrology drew me back to UBC for an MF in 1975. I have worked as a research forest hydrologist with the B.C. Forest Service since 1975, based in Smithers. The initial focus of my research and consulting was on mass wasting associated with forestry operations, and this expanded during the 1980s to include rain-on-snow, cumulative effects, and fish-forestry interactions, and more recently forest management on fans. I have been a long supporter of continuing education and extension, and served as a founding director for the Forestry Continuing Studies Network, and am currently a director of FORREX. I have found that DEGIFS is one of the most effective venues for continuing professional education.

I became a Professional Geoscientist in 1993, and this opened a very positive professional door. I value my interaction with PGeo and PEng colleagues, and see DEGIFS as a key to both professional development and issue resolution. While Professional Foresters have the mandate to manage forest land, it is the members of DEGIFS who provide significant technical expertise to achieve land management objectives. As a member of the Association of B.C. Forest Professionals and the Association of Professional Engineers and Geoscientists of B.C., I see that my involvement in the DEGIFS Executive can be one of bringing the two groups together to address current issues, such as cumulative hydrologic effects assessments. Some issues facing our associations are sensitive, and I feel that my background in Hospice and Critical Incident Stress Management will be helpful in our quest to find solutions that will benefit the quality of decision making and results in the forest sector.

I look forward to your support throughout the year. DEGIFS is a strong and effective organization because of our involvement.

MODERNIZING THE TERRAIN INFORMATION PROGRAM IN BRITISH COLUMBIA

*Deepa Spaeth Filatow, P.Geo and
Maija Finvers, P.Geo.*



Land Information BC

Over the past 15 years many changes have occurred in the resource sectors in British Columbia and in the inventory programs that support informed decision making and planning for forestry and other land base users. Changes in technology (GIS, soft copy, computer modelling, on-line information), funding (Forest Investment Account, FIA), legislation (Forest and Range Practices Act, FRPA), licensee obligations requirements (certification), the level of government involvement, custodianship of the data, and professional reliance, to name a few, all impact the terrain information program.

For terrain information to remain relevant, cost-effective and valuable to decision makers, modernization of the provincial terrain inventory program is needed. Modernization may be 'transformation, upgrading, innovation, reconstruction, renewal, rejuvenation, rebuilding, or revolution' (Webster's New Collegiate Dictionary, 1979). The success of this modernization initiative will require a collaborative approach between the terrain information and standards specialists, terrain mappers, clients and users of terrain data.

Land Information BC, a division of the Ministry of Sustainable Resource Management (MSRM), is the custodian for terrain information and the RISC (Resource Inventory Standard Committee) standards for terrain mapping. Land Information BC will provide leadership, coordination and resourcing for this collaborative initiative. Land Information BC is taking the following steps to initiate the process while seeking feedback, participation and discussion:

1. Formation of a terrain information working group;
2. Documentation of a management framework for best practices for the terrain information program to guide the process and foster continual improvement;



3. Review and upgrade of terrain inventory standards;
4. Improving access to terrain data; and
5. Implementation of communication tools to support the above initiatives.

Terrain Information Working Group

Land Information BC will facilitate creation of the Terrain Information Working Group and will supply resources to support its work. The group will be tasked with reviewing the current state of the terrain inventory program and initiating and fostering the process to upgrade and improve the program. In order for the working group to represent the interests of a wide range of stakeholders with terrain and geotechnical expertise, the following groups will be invited to participate:

1. Professional associations representing terrain inventory specialists (DEGIFS, BCIA, others);
2. BC government ministries (MOF, WLAP, MEM, others);
3. The Terrain Science Division of the federal government;
4. Industry users of terrain information; and
5. Researchers.

Experts in related areas such as GIS technology or forestry planning will be invited to participate as needed.

Terrain Information Program Management Framework

A management framework for the Terrain Information Program will be compiled by the working group to ensure an efficient, sustainable program that meets the needs of the terrain sector through best practises and continuous improvement. The priorities and procedures identified within the framework will guide the activities of the Land Information BC Terrain information specialists and the Terrain Information Working Group, and will provide a mechanism for the improvement of terrain information quality, access and utility in the province of BC.

Many of the components of the framework currently exist and will be incorporated. These include the

products of the Earth Science Task Force (Resource Inventory Committee (RIC), *predecessor to RISC*) and from other relevant groups. The framework will be a living document that will evolve with the changing needs of professionals, governments, researchers, clients and other data users. Land Information BC will provide the resources for the documentation of the framework which will be posted on the terrain website (see the Communication Tools section below).

The management framework will document:

1. Purpose, scope and objectives of the Terrain Information Program;
2. Roles and responsibilities of stakeholders and partners in terrain inventory, including MSRM, MOF, DEGIFS, APEGBC, BCIA, ABCFP, academic institutions, forest licenses and the terrain working group itself;
3. A process for reviewing existing framework elements and identifying gaps, including:
 - a. business requirements (data gaps, new data requirements, data quality issues, cost-effectiveness, issues identified in past business reviews);
 - b. business drivers (requirements for certification, FRPA, Sustainable Resource Management Plans, Indicators for Sustainable Forests);
 - c. existing standards and new standards required (e.g., formats, requirements for modelling, soft-copy mapping);
 - d. a proposed consultation and review process for standards revision; and
 - e. education and extension requirements.
4. Program priorities, activities, goals, performance targets and measurement tools(as applicable),
5. Mechanisms for communication and feedback; and
6. Identification of best practises and continuous improvement processes, as applicable to the Terrain Information Program, and ongoing maintenance of standards and the management framework.



Standards Development and Improvement

Recent changes in technology, funding programs, legislation, business drivers and professional responsibility are driving the need to update terrain inventory standards. In response to these drivers, Land Information BC has recently published the Standards for Digital Terrain Data Capture in British Columbia, Addenda 2005-1 – Draft for Field Testing, available at <http://srmwww.gov.bc.ca/tib/fia/terrainstabmap.htm>. Feedback on this draft would be appreciated. Please send comments to soilterrain@victoria1.gov.bc.ca.

Standards related to professional practice will continue to be the responsibility of the professional associations. Land Information BC would consider providing support for necessary review and updating of these and other related documents in partnership with the associations, and the Terrain Information Working Group, as required.

Given the large number of standards, related documents and guidebooks, a mechanism for coordinating document revisions will be required, to ensure consistency and to minimize duplication and contradiction. The working group will have a role in recommending priorities for updates, and in coordinating efforts and promoting collaboration. This work would be done within the context of the roles and responsibilities of the different groups as defined in the management framework.

Access to Terrain Data

Land Information BC is currently working on several projects to make terrain data and information more readily available over the internet, including:

1. Consolidation and integration of terrain data sets;
2. Conversion and loading of terrain data to the Land and Resource Data Warehouse (LRDW) <http://www.lrdw.ca/> (currently under way). Terrain information in the LRDW will be accessible to the public, government, and industry via the internet using spatial search, discovery, viewing and download tools. LRDW will facilitate access to new mapping projects; integration of terrain data with other resource information and inventories, and access to more data from one source

3. Upgrade of the terrain information webpage to provide a portal to terrain data and information for BC; and
4. Evaluation of options for providing more efficient access to other terrain information including reports, typed airphotos, hardcopy maps and field data are being explored.

Communication Tools

Communication tools will be vital in supporting Land Information BC and the Terrain Information Working Group in the upgrading of the components of the terrain inventory program including upgrading standards, as collaboration with the wider terrain community will be required.

Questionnaire – Land Information BC is developing a questionnaire that will be used to solicit feedback to aid in the upgrading of RIC (now RISC) standards for terrain inventory. The working group will be asked for input, as the scope of the questionnaire could be expanded to address priorities identified by the working group. The questionnaire will be targeted to the larger terrain inventory community to gain input to guide the Terrain Information Working Group and the Land Information BC terrain information specialists in their upgrading and modernization of the terrain inventory program and terrain standards.

Listserv – Land Information BC is creating a terrain listserv to provide a communication tool for the terrain mapping community. Subscribers to the *Listserv* will be automatically notified of changes to standards, guidelines, procedures, availability of new data, information, opportunities for professional development, and other topics relevant to terrain mapping in BC. Subscribers can also send e-mails to the *Listserv* address at: <http://srmwww.gov.bc.ca/terrain/listserv.html>

Website - Restructuring and updating of the terrain information website <http://srmwww.gov.bc.ca/terrain/index.html> is currently under way to make terrain information more accessible and useful to mappers, clients and data users. New topics will include 'Terrain Information Working Group Activities' and 'Resources for' mappers, clients and the GIS community.



Workshop – Land Information BC is assessing the need for a workshop to provoke discussions about the issues related to:

1. Standards review and upgrade,
2. Extension and education for clients and data users,
3. Data quality, access and utility.

Land Information BC will consult the working group regarding the need, scope and purpose of such a workshop. Feedback from DEGIFS members is also welcome.

Summary

Considerable input, participation and collaboration of professional experts, stakeholders, partners, clients and Land Information BC terrain Information specialists will be required to ensure the success of the BC terrain information program upgrade. Land Information BC invites interested readers and groups to submit expressions of interest for participating on the working group to Deepa.Filatow@gov.bc.ca. Suggestions regarding standards changes required, standards update process or considerations, suggested questions for the questionnaire, feedback on this article, and other questions or comments may be sent to: soiterrain@victoria.ca or contact Deepa Spaeth Filatow by phone: 250-861-7675. Once again, the address to sign up for the terrain listserv is: <http://srmwww.gov.bc.ca/terrain/listserv.html>.

HIGHLIGHTS: DEGIFS EXECUTIVE MEETING MINUTES – April 18, 2005

Mark Goldbach, P.Eng.

Highlights of Minutes

DEGIFS EXECUTIVE MEETING
Conference Call
April 18, 2005, 8:30 am to 11:15 am

Attendees:

Heather Blyth	Calvin VanBuskirk	Peter Mitchell
Bruce Thomson	Deepa Filatow	Ron Jordens
Tim Dunne	Mark Goldbach	Kevin Turner

Executive members absent:

Brian Chow

Critical Dates Calendar for 2005

Advertisement for 2004 Forest Engineering Award of Excellence has been prepared. Closing date is July 15, 2005. Has been sent to APEGBC for announcement in Innovation and has been advertised in Aspect.

Committee Reports

APEGBC (Peter Mitchell):

- a) Bridge Crossing Guidelines – APEGBC together with the BCIA (agrologists), ABCFP (foresters) and CoAB (biologists) met with Ralph Archibald (MOF) to review the bridge and TSA guidelines. Considered as good models for APEGBC to develop future guidelines. MOF recognizes need to fund future guideline development.
- b) MOF is providing funding to organize a Professional Reliance Task Force.
- c) FRPA Training – these training sessions are completed. Tim Smith attended two as APEGBC rep.
- d) Brian Robinson (Selkirk Management) will be delivering a Due Diligence course to be offered May 5 (Nanaimo) and June 29 (Golden).



- e) A course on Crossing Guidelines (joint course with Foresters) will be offered between June 6 and 13 in Nanaimo, Prince George and possibly Vernon (web casting).
- f) Post-wildfire Watershed Rehabilitation Workshop to be held between June 7-9 in Kelowna - is posted on DEGIFS web site.
- g) Foresters are interested in partnering with DEGIFS technical stream/sessions. Executive agreed this is a good idea. Possibly the technical session agenda could be posted on Foresters website. Executive to consider possibility of having future presentations by Foresters.

Joint Practice Board (Kevin Turner):

- a) Update provided on JPB meeting. Bridge guidelines process was discussed with Van Scoffield (ABCFP) who considered it a positive/supportive process. Some post-mortem was provided on the process. Next JPB meeting on May 13.
- b) Reviewed Terms of Reference and Memorandum of Understanding.
- c) Reviewed a shortlist of priorities for guideline development for 2005. Roads were agreed as being the highest priority due to obvious joint overlap (layout/design).

DEGIFS Bursary (Brian Chow):

Executive discussed other possible institutions where the DEGIFS Bursary notice could be distributed, including Selkirk, Caribou, Malaspina, and Fraser Valley colleges.

2005 AGM

Speakers and topics for AGM have been finalized.

Web Page

2005 Aspect issues have not yet been posted due to a technical problem. 2005 Aspect issues are temporarily posted under the announcements section of the website until the problem can be fixed.

New Business

EIT/RPF issue and Proxy Supervision

To send invitation to Gillian Pilcher (Director of Registration at APEGBC) to attend next executive meetings to discuss issue of proxy supervision for EITs. A letter from DEGIFS was sent to APEGBC in 2004 expressing concern regarding this issue.

JPB List of Priorities

Executive agreed with the JPB suggestion that the highest priority for guideline development should be Roads. These should be dealt with as a whole (design and layout) and encompass all aspects of road design. Agreed there is a need to identify areas of concern that should be addressed – a MOF funded workshop developed cooperatively with the ABCFP was raised as a possible mechanism.

Action Items:

- Updated executive list and education section to be added to website.
- Investigate polling on website to monitor standards of practice.
- Investigate affiliate membership issues and develop strategy on appropriate approach.
- Terms of Reference for Joint Practices Board to be reviewed at next meeting.
- To issue a formal invitation to Foresters to attend 2005 AGM.
- To send invitation to Gillian Pilcher (APEGBC director of registration) to attend next executive meeting to discuss the issue of proxy supervision related to reviewing and supervising EITs.
- Discuss further at next meeting the idea of holding a workshop for the Roads guideline.



PUBLICATION ANNOUNCEMENTS

Coastal fan destabilization and forest management

Tom Millard, P.Geo., David Wilford P.Geo., and Marian Oden

Thanks to Tom Millard, Dave Wilford and Marian Oden, "Coastal fan destabilization and forest management", has been posted on the following website:

<http://www.for.gov.bc.ca/rco/research/Geompub.htm>

This Forest Science Program funded project examined 55 fans in south-coastal BC, from the Nahatlach Valley near Boston Bar to locations on west and north Vancouver Island. Both logged and unlogged fans were inventoried. Disturbance type and frequency were determined, along with variables that could be used to predict the disturbance type. Impacts from harvesting and roads were also examined.

Dendroecology: a guide for using trees to date geomorphic and hydrologic events

Thanks to Dave Wilford, Paolo Cherubini, and Matt Sakals, this new Land Management Handbook has been posted on the following website:

<http://www.for.gov.bc.ca/hfd/pubs/Docs/Lmh/Lmh58.htm>

The study of tree response to environmental conditions is called dendroecology. This publication provides information and techniques for interpreting tree ring records related to landslides and flooding—where trees are buried, tilted, or scarred by events, or established on sediment following an event.

Forest management on fans: hydrogeomorphic hazards and general prescriptions

Thanks to Dave Wilford, Matt Sakals, and John Innes, this new Land Management Handbook has been posted on the following website:

<http://www.for.gov.bc.ca/hfd/pubs/Docs/Lmh/Lmh57.htm>

This publication presents the results of a five-year research project, conducted in west-central British Columbia, addressing the issue of fan destabilization as a result of forest management activities. The handbook presents a six-step hazard recognition scheme that is applicable to forested fans throughout British Columbia.

SEMINAR ANNOUNCEMENT

Guidelines for Professional Services in the Forest Sector – Crossings

ABCFP and APEGBC recently approved the "Guidelines for Professional Services in the Forest Sector – Crossings." This document, which was created through a collaboration of both organizations, sets standards for all foresters, engineers and geoscientists involved in forest crossing planning and design.

This seminar will provide an overview of the Guidelines, specifically, the roles and responsibilities that members of both Associations have when carrying out work on Forest Crossings. Information will be given on how professionals are to interact with regards to the planning and design of crossings, as well as their limitations. Participants will learn how to interpret the results-based guidelines and gain an overall understanding of how these Guidelines will impact their practice.

This training will assist licensees in practicing due diligence, by ensuring that they know the appropriate levels at which to involve different professionals. All Registered Forest Professionals, Registered Forest Technologists, Professional Engineers & Professional Geoscientists and others who are involved with forest crossings will benefit from this seminar.

Please note that while the seminar content will be relevant to all members, this is not intended to be a "how to" course on bridge design.

When: Monday June 20, 2005

Where: Ramada Hotel, Prince George (also available by webcast)

Cost (after May 30, 2005): \$189 + GST

For more info please visit:

www.apeg.bc.ca/prodev/prodevevents.html

This topic will also be presented in the DEGIFS professional development seminars at the upcoming APEGBC AGM (please refer to the announcement on the next page).



**2005 APEGBC ANNUAL CONFERENCE and
AGM ANNOUNCEMENT: October 13-15, 2005
Vancouver Airport Conference Resort
Richmond, B.C.**

Don't miss the next APEGBC Annual Conference and AGM. Included are two days of Professional Development sessions hosted by DEGIFS and the DEGIFS AGM. For more information on technical sessions and the always-popular field trip please check <http://www.apeg.bc.ca/ac2005> and www.degifs.com regularly.

ANOTHER GEO BABY – CONGRATULATIONS !!!

Congratulations to Matt Sakals, PGeo, PAg, and Jamie Freeman on the arrival of their beautiful daughter Poppy. Sage is no doubt a very proud sister !!!

WE'RE AFTER YOUR GEOTECH PHOTOS!!! (please)

For those of you that recently attended the Geotechnical conference at UBC during the week of May 30 - June 4 2005 ~ We're keen for you to share them with us to publish in October's Aspect.

REMEMBER!!!

ASPECT welcomes announcements, employment opportunities, technical articles, letters to the Ed, project profiles, photos, tips, jokes, etc...basically ANYTHING that would benefit DEGIFS members. PLEASE PLEASE PRETTY PLEASE WITH A SEEDLING ON TOP send a submission TODAY!!!





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Do Not Forget!!!

ASPECT SUBMISSIONS

LAST DATE FOR SUBMISSIONS TO ASPECT	NEWSLETTER RELEASE DATE
SEPTEMBER 16, 2005	SEPTEMBER 30, 2005
DECEMBER 2, 2005	DECEMBER 16, 2005

Electronic submissions in **Word format (only)** should be made to Julie Orban (julie.orban@gov.bc.ca) by the date listed above.

Refer to *Guidelines for Submission* on the website <http://www.degifs.com/guidelines.doc> for submission requirements.