

# The Rock Record – May 2007

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*Please contribute to the SGS  
Newsletter*

The SGS Newsletter is produced by the SGS executive. Letters, announcements, notices, comments, photos, news and information about SGS members, etc. are always welcome. Call an executive member or write to us at:

**Saskatchewan  
Geological Society  
P.O. Box 234  
Regina, SK S4P 2Z6**

**SGS e-mail address:**  
[info@sgshome.ca](mailto:info@sgshome.ca)

**SGS Website:**  
[www.sgshome.ca](http://www.sgshome.ca)

All advertising inquiries should be directed to Nadene Hagen

## In This Issue

- Last lunch talk of the season
- Other Events and Notices – **Annual SGS Field Trip**
  - **Job Ads (BC)**
  - **Annual SGS Golf Tournament**
  - **2007 CSCOP/ ICCP/ TSOP ANNUAL MEETING**

## 2007 Annual Geological Field Trip, Stillwater Igneous Complex (Montana) and Yellowstone National Park (Wyoming).

The Annual Field Trip is scheduled for August 24 -28, 2007. We will visit the Stillwater Layered Igneous Complex (Precambrian) and Yellowstone National Park (Recent volcanism and hydrothermal activity). The cost is \$350.00 and includes accommodation, transportation, lunches and a guidebook. Please book early to avoid disappointment. Call John Lake (787-2621) to reserve your spot.

**For more info contact:  
John Lake, SGS Field trip co-ordinator.**

## Wednesday May 2<sup>nd</sup>

## Late Glacial and Holocene environmental and climatic reconstructions from Colombia –South America-

**Maria Velez, U of R Geology Dept.**

**Lancaster Room, Royal Canadian Legion**

Cash Bar: 11:30; Lunch: 11:50

Talk: 12:15 – 13:00

Members \$7.00, Non-members \$11.00

Contact: Nadene Hagen 790-4160

By NOON, Tuesday, May 1st

**The Annual SGS Golf Tournament will be on Sept. 7  
at the Murray Golf Course.  
More details to follow in the summer**

Beaton, Alberta Geological Survey, 4th floor, Twin Atria Building,  
4999-98 Avenue, Edmonton, Alberta T6B 2X3 Canada,  
Phone: 780-427-0809; Fax: 780-422-1459; E-mail: Andrew.Beaton@gov.ab.ca; Further details  
<http://www.cscop-tsop-iccp-2007.com>

## LUNCHEON TALKS:

MAY 2<sup>ND</sup>, 2007

### **Late Glacial and Holocene environmental and climatic reconstructions from Colombia –South America-**

**Dr. Maria Velez, University of Regina, Department of Geology**

**Abstract:** This presentation is a synthesis of the palaeolimnological and palaeoclimatic reconstructions of four sites in Colombia. The results were obtained by multiproxy analysis: pollen, sediment and diatoms. The record from Lake El Caimito, the westernmost site, on the Pacific Coast shows that during the Holocene the lake was frequently affected by fluvial pulses. These pulses are interpreted as being caused by periods of increased precipitation, probably related to phases of La Niña. East of El Caimito is the Patía swamp, situated between the Western and Central Andean Cordilleras. This record shows the dynamics between forest expansion/reduction and changes in water levels. Although the climatic signal of this core is difficult to reconstruct, there is a clear increase in humidity in the mid Holocene. The record from Fúquene, in the Eastern Andean Cordillera, indicates that dry and cold conditions prevailed in the late Pleistocene; the early-mid Holocene was very humid and the mid-late Holocene was dry. The record from Las Margaritas site, on the eastern savannas, shows dry conditions during the early Holocene and overall humid conditions in the mid and late Holocene. The climatic conditions from the last two sites seem to reflect the Holocene movements of the Intertropical Convergence Zone (ITCZ) and indicate that humidity in the Las Margaritas site is highly influenced by humidity from the Amazon region.

## **Job Opportunities**

### **Shaping Your Future...in Abbotsford, British Columbia**

Our client Amec, is an international project management and services company that designs, delivers and supports client assets for customers across the public and private sectors. Its ambition is: “to continue to be one of the world’s leading international project management & services companies by bringing added value to our clients, investing in our people & the communities in which we work” Amec employs more than 20,000 people working from a network of offices throughout the UK, US and Canada, as well regional offices and projects worldwide. Core businesses addressed are; oil & gas, oil sands, minerals & metals mining, nuclear, industrial, earth & environmental & wind energy.

In **Canada**, Amec’s divisions employ approximately 4,500 people, operating from 74 offices. The company has been ranked as the No. 1 International Design Firm in the country.

In **British Columbia**, Amec is the largest project management & engineering services employer. Rooted in the province for 80 years, it has grown to 1000 employees in 12 offices serving the mining, forestry, government, energy, water & transportation/infrastructure sectors. The company supports a number of

charities, including BC's Children's Hospital, "Mining for Miracles". It also helps developing countries by sending engineers overseas each year through Engineers Without Borders. The company is enthusiastically supporting the 2010 Olympics in the province & has begun work on the skating oval as part of the facilities preparations.

Amec's **Earth & Environmental Division** is a full-service consulting firm offering an impressive depth & breadth of capabilities through "local services, global reach". It has 90 offices in North America & abroad & employs more than 2000 scientists, geologists, engineers, biologists, environmental planners & other specialists who deliver services in 4 main areas: environmental, geotechnical, materials and water resources. **This Division seeks a Business Manager, P. Eng., (Geotechnical) to be located in Abbotsford.**

Amec Earth & Environmental Division's Abbotsford office was established in 1994. Combined with Nanaimo & Burnaby Materials, the 3 locations constitute a Business Unit. Abbotsford is poised to grow regionally with the assistance of the new Business Manager, P. Eng. who will report to the Regional Manager, south western BC. The location has an excellent team consisting of 2 Engineers -in -Training, a Senior Materials Technologist, an Environmental Technician and Administrative support. The team is involved in a wide variety of projects in the region including geotechnical & materials assessments & Phase 1 Environmental Assessments. All work is supported by a well-equipped materials testing laboratory.

The Business Manager's role is an important and integral part of the company's organization structure. Successful candidates will have the challenge and responsibility to: grow and sustain business and marketing goals; to oversee consistent delivery of superior client services; to provide leadership and project management direction to staff; to build, maintain and lead staff to a high level of team performance and, to personally perform & lead professional/technical services.

#### **Ideal Candidate Profile**

- preferably a Master's degree in geotechnical engineering: a business degree would also be helpful
- currently registered, or, immediately eligible for registration as a P.Eng. with the Association of Professional Engineers and Geoscientists of British Columbia
- sound business, project management & team leadership, combined with excellent interpersonal/written communication skills
- excellent marketing & business development capabilities to maintain & develop new clients
- excellent technical capabilities to oversee geotechnical explorations, including sampling & logging; perform geotechnical analyses for slope stability, municipal, highway & foundations; prepare geotechnical reports for various projects, including commercial, industrial & residential developments, transportation, resource industry, utilities, building foundations; supervision of field & lab technical services
- Phase 11 ESA & contaminant remediation experience would be an asset
- a good sense of humour

#### **ABBOTSFORD:**

Far from the madding crowds, Abbotsford was incorporated as a village in 1892 and as a city in 1995. Located between BC's majestic mountain ranges and bounded by the Fraser River on the north & the State of Washington on the south, it is one of the most productive agricultural areas in Canada. Its rich combination of soil & ideal climate helped Abbotsford become the Raspberry Capital of Canada. As a fast expanding city known for its nurseries, dairies, berries, poultry and vegetables and.... some 115,000 friendly citizens, various industries are of growing interest in the community, including: a small aerospace industry, transportation, tourism, retail, manufacturing, processing, construction, trades and services.

Abbotsford is known to have some of the finest recreational facilities in Canada and to have outstanding transportation facilities, including an international airport and the west coast commuter rail service. The city has also developed a large new hospital.



#### **PLEASE CONTACT:**

Lorraine Lewis

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Tel: (416) 929-1506  
Email: [lorraine.lewis@lewiscos.com](mailto:lorraine.lewis@lewiscos.com)

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## **Shaping Your Future...in Fort St. John, British Columbia**

Our client Amec, is an international project management and services company that designs, delivers and supports client assets for customers across the public and private sectors. Its ambition is: “to continue to be one of the world’s leading international project management & services companies by bringing added value to our clients, investing in our people & the communities in which we work” Amec employs more than 20,000 people working from a network of offices throughout the UK, US and Canada, as well regional offices and projects worldwide. Core businesses addressed are; oil & gas, oil sands, minerals & metals mining, nuclear, industrial, earth & environmental & wind energy.

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Amec Earth & Environmental Division’s Fort St. John office was created in 1997 when it was relocated from Dawson Creek. The office provides geotechnical, environmental, materials testing & engineering services to northeast BC and to portions of northwest Alberta. The office is ideally located to provide service to the oil & gas, forestry & commercial sectors, as well as, service to provincial, regional, municipal & local stakeholders for development & maintenance of roads & infrastructure. The office houses a fully equipped laboratory facility.

The Business Manager’s role is an important and integral part of the company’s organization structure. Successful candidates will have the challenge and responsibility to: grow and sustain business and marketing goals; to oversee consistent delivery of superior client services; to provide leadership and project management direction to staff; to build, maintain and lead staff to a high level of team performance and, to personally perform & lead professional/technical services.

### Ideal Candidate Profile

- a Bachelor’s degree in Civil (Geotechnical); Geotechnical Environmental Engineering; a business degree would also be helpful
- currently registered, or, immediately eligible for registration as a P.Eng. with the Association of Professional Engineers and Geoscientists of British Columbia
- sound business, project management & team leadership , combined with excellent interpersonal & written communication skills
- excellent marketing & business development capabilities to maintain & develop new clients

- excellent technical capabilities to oversee geotechnical & environmental explorations; perform geotechnical analyses for slope stability, settlement & foundation design; undertake/supervise Phase 11 ESA & contaminant remediation projects; prepare technical reports for projects, including, commercial, industrial & residential developments, transportation, resource industry, utilities, building foundations; supervise field engineering technical services for foundation installation & site reclamation projects; prioritize project workloads & the management of resources
- a good sense of humour

**Fort St. John:**

Located in the heart of the majestic Peace River country & known as The City of Energy & as a powerhouse of opportunity, FSJ is a 19,000 person city offering: vast investment opportunities in the fastest growing small business community in Canada; the oil & gas Business Centre of BC; highest disposable income in BC; Canada’s 2<sup>nd</sup> youngest population &, average housing at \$240,000. It is northeast BC’s largest regional service centre, supporting a trading area of more than 62,000 residents in the city and region.

FSJ is focused on attracting new businesses, professionals & entrepreneurs who want to live & work in a community that is open to fresh ideas. Access is year round with daily flights to Vancouver, Edmonton & Calgary. Edmonton is a 7 hour drive.

Oil and gas have been a significant factor in the economy since 1951 & will continue to be a significant factor to the city’s future. Agriculture & forestry add to the powerful economy with secondary industries being tourism, retail & hydroelectricity.

Local government is progressive & innovative, boasting a well run city. It has invested highly in upgrading water systems, streets & public facilities & has created a community of friendly & welcoming people.



**PLEASE CONTACT :**

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**SGS Merchandise For Sale**

Looking for a distinctive gift? How about an SGS golf shirt or beer mug!

<b>Golf Shirts:</b>		
	M - XXL:	\$40
<b>T-Shirts:</b>		
	M - XXL:	\$15
<b>Beer Mug:</b>		
	One size fits all:	\$7.50
<b>Golf Balls:</b>		
	Individual/Sleeve:	\$2/\$6