



MAP NEWS

Internal Newsletter of the Multinational Andean Project

<http://www.pma-map.com/newsletter/v3n3.html>

Vancouver, BC, June 1st, 2000

A Monthly Update of Internal Project News

Vol 3 - No. 3

Upcoming Activities



Chilean Geological Congress July 31 - August 4, 2000. MAP Symposium Presentations,

Organizers of the IX Chilean Geological Congress have made the following recommendations to MAP participants:

Hotel reservations: It is recommended that attendees make hotel reservations as soon as possible as a higher than expected number of participants have already registered and hotels in the region are almost completely booked.

Registration fees: It is also recommended that participants pay their registration fees prior to the 15th of June as the fees will increase from US\$200 to US\$250 after that date.

Please remember that the date of the MAP symposium has been changed to Tuesday August 1st.

Presentation titles and authors for the MAP symposium, Tuesday, August 1st, 2000

Perú

- 1 Aspectos de la metalogenia del Perú en el área limítrofe con Chile y Bolivia. *Manuel Paz M., Washington Larico C., Mario Carpio R.*
- 2 Estratigrafía del paleozoico de la Cordillera Oriental al sureste del Perú, frontera Perú – Bolivia. *William Martínez V., Robert Monge M.*

Argentina

- 3 Interpretación geológico-metalogenética del levantamiento geofísico aéreo de la Puna, Argentina. *Chernicoff, J., Zappettini, E.*
- 4 Exploración Geoquímica Regional Multielemento en el área MAP-Argentina mediante la aplicación de componentes principales y mapas de factores. *Ferpozzi, L., Turel, A.*

- 5 Evidencias de superposición tectónica en la Sierra de Quebrada Honda, Catamarca. Argentina. *Seggiaro, R., Becchio, R.*
- 6 Evolución de la Cuenca de Antepaís y del Arco Magmático Cenozoico en el extremo Austral de la Puna. Argentina. *Seggiaro, R., Hongn, F., Becchio, R.*
- 7 Cabalgamientos Cenozoicos en el Extremo Austral de la Puna, Argentina. *Seggiaro, R., Hongn, F., Becchio*
- 8 Inversión Tectónica en la Sierra Quebrada Honda. Puna Austral. Catamarca-Argentina. *Seggiaro, R., Becchio, R.*
- 9 Cerro Morocho: Volcán del Mioceno Superior en ambiente glacial? (Catamarca, Argentina) *D. Rubiolo, C. Hickson, A. Busteros, M. Villeneuve, B. Edwards*
- 10 Mapa Metalogénico de los Andes Centrales en la zona fronteriza de Argentina-Bolivia-Chile-Perú. *Eduardo Zappettini*

Chile

- 11 Metodologías y resultados preliminares Proyecto hidrogeológico de las cuencas hidrográficas del Altiplano de la región de Atacama (III Región) (Poster) *Sergio Iriarte, Igor Aguirre, Isabel Santibañez, Marcela Venegas*
- 12 El Macizo Tres Cruces: un longevo y potencialmente peligroso complejo volcánico en el extremo sur de los Andes Centrales *M. Gardeweg, J. Clavero, C. Mpodzisz, C. Pérez de A., M. Villeneuve*
- 13 Alteración Hidrotermal en la Alta Cordillera de Copiapó, al Este de la Franja de Maricunga (Poster) *Lucía Cuitiño*
- 14 Geología y Geocronología de la Caldera Wheelwright, Alta Cordillera de la III Región de Atacama, Chile (Poster) *Jorge Clavero R., Constantino Mpodzisz M., Moyra Gardeweg P.*

- 15 Antecedentes Físicoquímicos Preliminares de Cuerpos de agua superficial del Altiplano de la II Región de Atacama, Chile. *Igor Aguirre, Jorge Clavero*
- 16 Antecedentes preliminares de la Estratigrafía volcánica de los Cuadrángulos Pampa Lirima y Cancosa, Altiplano de la I Región, Chile (19° 45' - 20°00' S y 69°00' - 69°30' W). *Edmundo Polanco, Moyra Gardeweg*
- 17 *La Ignimbrita Oxaya y la Caldera Lauca: un evento explosivo de gran volumen del Mioceno Inferior en le Región de Arica (Andes Centrales; 18-19° S)* *Marcelo García, Moyra Gardeweg, Gérard Herail, Carlos Pérez de Arce*

Bolivia

- 18 Procesos de Alteración y Mineralización en el Distrito Minero de Salinas de Garci Mendoza, Departamento de Oruro – Bolivia *H. Uribe-Zeballos, N. Calderón, R. Santivañez G.*
- 19 Metalogenia de la Región Andina Boliviana, Área de Proyecto Multinacional Andino (PMA) *B. Heuschmidt, V. Miranda-Angles*

Canada

- 20 Multinational Andean Project: History and Accomplishments. *Catherine Hickson, Jennifer Getsinger, Mike Ellerbeck*
- 21 Standard Geochemical Reference Material Project, Multinational Andean Project. *Jennifer Getsinger, Catherine Hickson*

MAP Standard Geochemical Reference Material Project

The MAP Petrological Sample Standards (Geochemical Reference Material) program is progressing well. We have evaluated all potential standards sent to date, and have tested and chosen two samples to start on the development procedure for custom geochemical reference materials. The laboratory work is being done by the Geoscience Laboratories of the Ontario Ministry of Northern Development and

June 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
Dr. Zappettini in Vancouver Metallogenic Map						
18	19	20	21	22	23	24
25	26	27	28	29	30	1

July 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
2	3	4	5	6	7	8
Northern Miner Ad Metallogenic Map						
9	10	11	12	13	14	15
Completion of Draft Metallogenic Map						
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

August 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
MAP Executive Council Meeting						
6	7	8	9	10	11	12
IGC - Rio de Janeiro						
13	14	15	16	17	18	19
IGC - Rio de Janeiro						
20	21	22	23	24	25	26
27	28	29	30	31	1	2

September 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
Geosoft - Peru						
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
Geosoft - Peru						
8	9	10	11	12	13	14
Mine M....						
Mine Ministry of the Americas						
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

November 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

Mines, which has specialised equipment and expertise for this type of procedure.

The process includes crushing and grinding about 40-50 kg of rock to start with, then pulverising the material to -200 mesh. It is then homogenised and bottled in 60 g portions, which are then statistically sampled and analysed to re-check the homogeneity. The report from Geoscience Laboratories will include geochemical characterisation of the sample, with whole rock major and trace element geochemistry, as well as H₂O⁺ and H₂O⁻, ferrous iron, and carbon analyses, and information on the Standard Operating Procedures.

From Chile, andesite sample CHA-2 has been chosen, and from Argentina, basalt sample BAMAP01. Dacites from Bolivia are being evaluated, and a felsic sample was collected from Peru during recent fieldwork by Dr. Catherine Hickson and Peruvian geologists. We are expecting to have completed bottles of geochemical reference material from one of these samples (CHA-2) ready for distribution at the next MAP Executive Council Meeting, in August.

MAP project leaders and geochemists are asked to make sure that sample information is complete, for updating the MAP database, as well as making a map of locations for the MAP Petrological Standards Poster for the Chilean Geological Congress. This requires accurate location information as well as a description of the local geography of the sample site, including directions on how to find the outcrop. It would also be useful to have a sketch map of the country or area showing the exact location of the sample sites. For some of the above samples, we have already received much of this information, but we are requesting an update to confirm the locations more accurately. Please include both the UTM grid location (include zone and map projection if possible), as well as latitude and longitude for each standard sample, and map sheet if possible.

MAP Welcomes new member

MAP is pleased to welcome Dr. Mark Stasiuk to the team. Stasiuk recently returned to Canada after a two year stint

with the Seismic Research Institute in Trinidad. He will be working on the sample database. It is anticipated that a fully functional database, at least partially populated, will be ready for viewing at the August Executive Council meeting.

For further MAP information please consult the project Web page at:

<http://www.pma-map.com>

Newsletter produced by MAP administrative staff:

- Mike Ellerbeck
- Rocío Lopez
- Jennifer Getsinger
- Otto Krauth

and supervised by MAP Project Manager Dr. Catherine Hickson

GSC Vancouver

#101 - 605 Robson Street
Vancouver, BC, Canada
V6B 5J3

Tel: (604) 666-0183
Fax: (604) 666-7507

Email: mellerbe@nrcan.gc.ca



Natural Resources
Canada

Ressources naturelles
Canada