

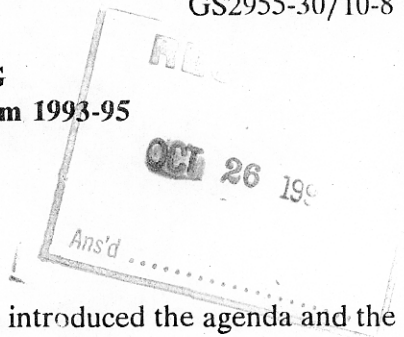
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**INDUSTRY/BCGS/GSC MEETING**  
**Interior Plateau Aeromagnetic Survey Program 1993-95**  
**October 6, 1992**  
**GSC, 800 West Pender, Vancouver**



**MINUTES**

1. **INTRODUCTION** - D. Templeman-Kluit and W. McMillan introduced the agenda and the participants.
2. **INTERIOR PLATEAU AEROMAGNETIC PROGRAM OBJECTIVES/GEOLOGY** - P. van der Heyden presented an overview of aeromagnetic coverage in BC and described the planned coverage of the Chilcotin-Nechako area under the Federal/BC MDA program (1993-95). Handouts showing coverage and planned coverage were distributed (attached). He also described the geology of the area and how geophysics and geochemistry will assist with mapping, structural studies and exploration.
3. (i) **GSC AEROMAGNETIC SURVEY PROGRAM** - D.J. Teskey briefly reviewed the history of the GSC aeromagnetic survey program since its beginning in 1946. Milestones included the federal/provincial program to survey the Canadian Shield (1962-74), the increased activity under the federal/provincial MDA programs (1984-to present), the increased activity under the Frontier Geoscience program which included the first industry/GSC cost-sharing joint venture survey of the Orphan Knoll off Canada's east coast in 1985. He then reviewed recent industry/GSC surveys in Alberta/BC and industry/province/GSC surveys in Saskatchewan/Manitoba.

Three surveys have been completed in Alberta/BC, Saskatchewan and Manitoba under the auspices of cost-sharing agreements signed by the GSC and its industry/provincial government partners. The first survey in 1990-91 in Alberta attracted eight industry partners (Amerada Hess Canada Ltd., Amoco Canada, Cameco Corporation, Canadian Hunter, Esso Resources, Mobil Oil, Pan Canadian Petroleum, Petro Canada) with a cost-share ratio of one federal dollar : one industry dollar. In 1991-92, the second survey in Alberta/BC attracted five industry partners (Amoco Canada, Esso Resources, Mobil Oil, Pan Canadian Petroleum and Shell Canada) and the third survey in Saskatchewan and Manitoba attracted three industry partners (Cameco Corporation, Rio Algom Exploration Inc., Uranerz Exploration and Mining Ltd.) and two provincial agency partners (Saskatchewan Energy and Mines and Manitoba Energy and Mines). In 1991-92 the cost-share ratio was one federal dollar : 0.6 industry/provincial dollar. These surveys, which will help determine the relationship between basement structure and sediments in the oil bearing Western Canada Sedimentary Basin and help to locate possibly diamondiferous kimberlite swarms, have attracted external funding contributions of \$845,000 in the first two years of a four year program. Phase 3 and phase 2 of these surveys currently in progress in Alberta/BC and Saskatchewan/Manitoba respectively have attracted an additional \$360,000 in 1992-93.

- (ii) **OBJECTIVES IN BC** - Teskey outlined the industry/GSC committee structure that would run the proposed BC cost-sharing joint venture high resolution total field

survey. A steering committee comprising two industry and one GSC representative would oversee the administration of the joint venture particularly the financial and legal side. A technical committee comprising representatives from all participating companies and agencies would decide - the survey area (probably an extension of the MDA area); survey specifications (to GSC national standards); evaluation of the contract bids; monitoring of contractor performance; survey products, etc. Recent experience regarding periods of exclusive data use was reviewed. An exclusivity period of 6 months following receipt of final products is recommended for the BC project.

4. (i) **DRAFT INDUSTRY/GSC AGREEMENT** - R.A. Gibb reviewed, clause by clause, a draft industry/GSC agreement that had been prepared by GSC and EMR Legal Services with review and input from industry and provincial partners (copy attached).
- (ii) **FUNDING** - Gibb noted that Bruce Howe, Deputy Minister, EMR has commented that he would like to see industry match GSC funding dollar for dollar (for such surveys). He noted also that GSC would contribute \$550K spread over two years 1993-95 for the proposed survey. This A-base funding is in addition to the MDA funding of \$620K already allocated for the Chilcotin-Nechako area in 1993-95. The proposed cost-sharing industry/BCGS/GSC survey for 1993-95 is regarded as the initial phase of a longer term program to complete the total field aeromagnetic survey of BC. It is estimated that such a long term joint venture would cost about \$5M spread over a minimum of five years.
5. **ROUND TABLE DISCUSSION** - A variety of questions and concerns from both industry and government representatives was tabled and discussed. In response to a final question from Gibb asking for a show of industry interest in the proposal, seven or eight companies indicated that they were definitely interested and would hold further discussion with their management. GSC agreed to follow up with each company by letter (invitation to participate) in November/December and by telephone. *Action: Gibb, Teskey*

**Distribution:**

Industry

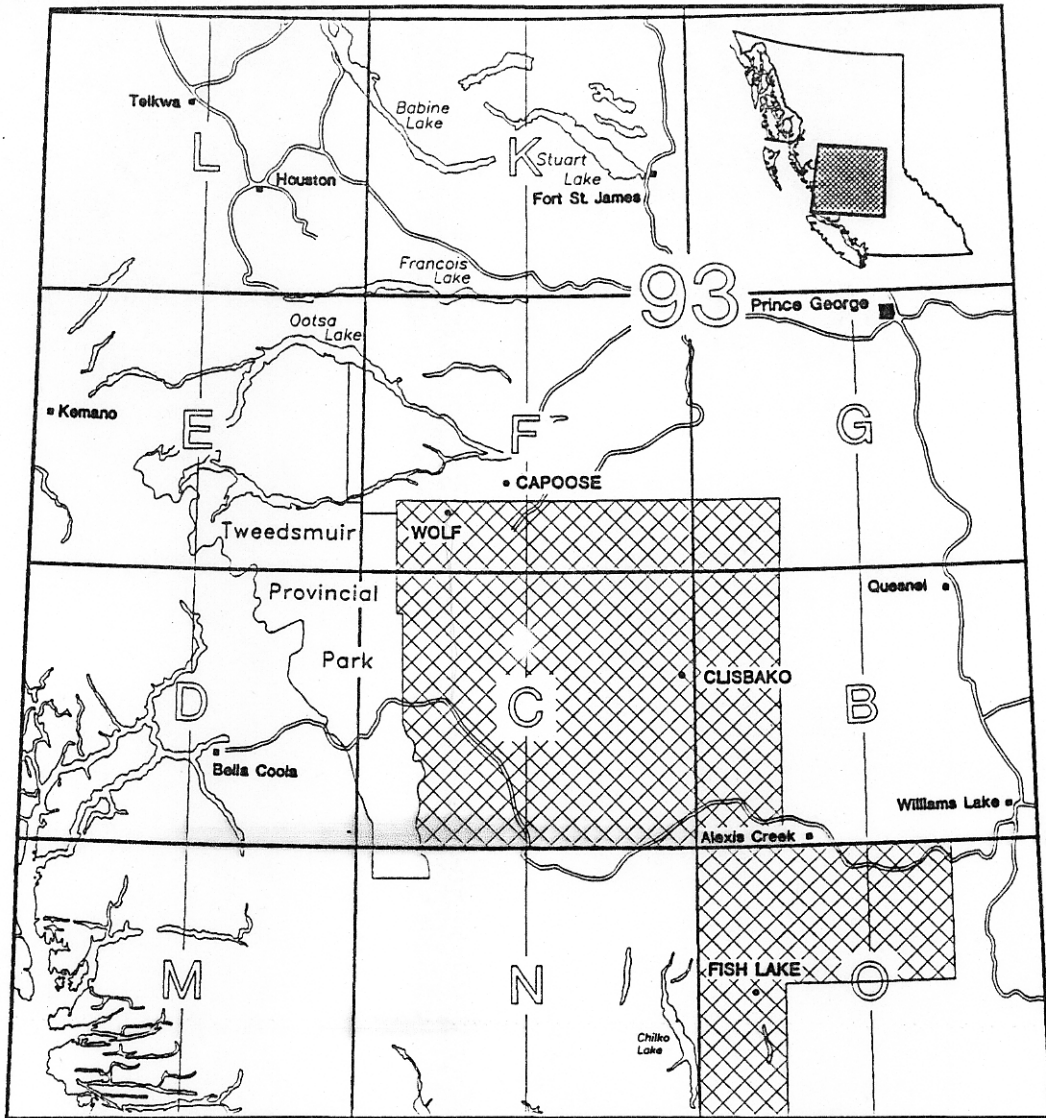
R. Britten, Homestake Canada Ltd.  
 R. Cannon, Placer Dome Inc. (Kamloops)  
 D. Heberlein, Minnova Inc.  
 P. Kowalczyk, Placer Dome Inc. (Vancouver)  
 J. Macdonald, Consultant  
 J. McDougall, Consultant  
 T. Muraro, Romanex Group  
 C. Rennie, Better Resources Ltd.  
 K. Robertson, Noranda Exploration  
 P. Rush, Inco Exploration

GSC

R. Currie  
 R.A. Gibb  
 S. Gordey  
 R. Hyndman  
 C. Lowe  
 B. Struik  
 D. Templeman-Kluit  
 D.J. Teskey  
 P. van der Heyden

BCGS

W.J. McMillan  
 T. Schroeter



AEROMAGNETIC TOTAL FIELD SURVEY



# INDEX MAP

## AEROMAGNETIC SURVEY COVE

*British Columbia*

### Information to 1992