

IMPLEMENTATION STRATEGY FOR GSC HYDROGEOLOGY

The following recommendations stem from a (conference call) meeting of the Hydrogeology Analysis Committee, October 14, 1992. They are tendered for consideration by the GSC Science Program Committee, October 21, 1992.

1) Second or contract a respected hydrogeologist to advise us on:

- the criteria and scope of our search for the Lead Hydrogeologist, and other staff;
- the infrastructure requirements of the new hydrogeology regime;
- the merits and practicalities of our two proposed prototype projects;
- the effectiveness of existing hydrogeology-related projects.

Time Frame - 10 person weeks over the period November '92 to March '93.

Cost - ~\$20,000 (from the 92/93 budget - ?carried backward from 93/94?)

2) Implement the search for the Lead Hydrogeologist as soon as possible, by:

- developing the PAS and SofQ for the position (in consultation with our advisor);
- conducting an international competition.

Time Frame - competition in January-February '93, selection in March '93

- successful candidate on staff by ?September '93

Cost - ~\$15,000 for the competition (from the 92/93 budget)

Part of the rationale for concentrating on the identification of our Lead Hydrogeologist is that the successful candidate can then have a meaningful impact on our program planning and implementation, beginning as early as April '93.

3) Develop and select proposals for prototype studies to be initiated in 93/94, by:

- conducting initial screening at the October 21 meeting on the Science Program Committee;
- generating full project proposals, with schedules and costs, as a basis for final selection.

Time Frame - Project proposals fully framed by January 1; selection by February 1; budget implementation by April 1, 1993.

Cost - mostly from existing overhead; perhaps \$5000 for data search and incidentals.

The existing ideas for the prototype "aquifer delineation and dynamics" studies include (but may not be limited to):

- a) Lower Fraser Valley Aquifers (CD)
- b) Oil Sands/Heavy Oil Region Aquifers (ISPG)
- c) Southern Ontario Moraine Complex Aquifers (TSD)
- d) St. Lawrence Lowlands Quebec Aquifers (CGQ)
- e) Maritime Aquifers (AGC)

Of the \$590K set aside for Hydrogeology in 93/94, it is anticipated that something less than half will be expended for the staffing, initial prototyping and initial capitalization. The remaining money should be allocated to the strengthening of existing projects that have (or are seen as imminently embracing) hydrogeological emphasis.