



Heine, T.H. and Prouse, D.E. 2001: Activities of the Flin Flon regional office; in Report of Activities 2001, Manitoba Industry, Trade and Mines, Manitoba Geological Survey, p. 45-46.

## SUMMARY

The Flin Flon office continues to provide assistance to the mineral-exploration and mining communities in the Flin Flon–Snow Lake region. This includes recording new mineral claims, maintaining an up-to-date library of provincial claim and land-status maps, dealing with claim-status inquiries and accepting assessment-work submissions. The present staff includes a Regional Geologist (Heine) and a Resident Geologist (Prouse). A Mining Claims Inspector will be transferred from The Pas to Flin Flon once office space is found in the Barrow Provincial Building. Assistance was provided for several research projects being undertaken in the region. An inventory is in preparation of the core repository at the Centennial mine site and all core piles have been reorganized and stabilized. The mine documentation project is proceeding with the addition of new ore samples from a number of now-closed mines and the establishment of a database for the core repository at the Stall Lake mine near Snow Lake.

## MINING RECORDING

Mining recording and associated responsibilities are now the responsibility of the Regional and Resident geologists. An up-to-date collection of claim and land-status maps for the Province of Manitoba is maintained for public reference, applications for new claims are recorded, and assessment reports are accepted by the Flin Flon office. Reports summarizing the status and history of specific claims are prepared for clients when requested. Submission of other applications that fall under the Mines Act (e.g. casual quarry permits, prospecting licenses) are also processed by the Flin Flon office.

## EXPLORATION AND RESEARCH ASSISTANCE

The main function of the Flin Flon office continues to be providing assistance to the mining and mineral-exploration communities, and all clients interested in the geology of the region. Access to the Precambrian Drill Core Libraries, located in The Pas, Thompson and Lynn Lake, is given to clients through this office. A secure exterior core-storage area is available adjacent to the Centennial core-viewing facility for clients who wish to protect their core from vandalism or loss. Some funding was made available for core recovery and collection maintenance, and up-to-date inventories of the libraries and the Centennial site are in preparation (Prouse, GS-28, this volume). Core stored in the Centennial site compound was reorganized and stabilized this summer.

Logistical and technical support was provided to several summer field projects undertaken in the region, including the federal-provincial Flin Flon Targeted Geoscience Initiative (TGI), and geological tours and collecting expeditions with Ronald Frost and Susan Bragg (University of Wyoming).

This office has been involved in providing technical support for the Green Project, a local initiative to ameliorate the acidic soil conditions and promote plant growth in areas affected by SO<sub>2</sub> discharge from the Flin Flon smelter. These efforts are under the direction of David Price (Daprock Enterprises). Crushed dolomitic limestone is being manually spread in selected areas, mainly by local school groups. To date, the results of this project have been very encouraging.

An invitation from Manitoba Conservation to sit on a regional advisory committee focusing on the management of woodland caribou in west-central Manitoba has been accepted. This will provide geological input into areas that may be considered for exclusion from mineral exploration or development.

## REPORTS

The *Mineral Deposit Series* report for Iskwasum Lake (63K/10) has been reviewed and will be published before fiscal year-end. The report for Elbow Lake (63K/15) is written and will be reviewed and published by the summer of 2002.

The activities of the mining and mineral-exploration communities within Manitoba were actively monitored, and summary reports prepared for both internal use and external publication.

## MINE DOCUMENTATION PROJECT

The mine documentation project, outlined in last year's *Report of Activities* (Heine and Prouse, 2000), continues to move forward. Hudson Bay Exploration and Development Co. Ltd. (HBED) has continued their support for this project, and has supplied plan and section maps for the Lost and Ghost mines in the Chisel Lake area, near Snow Lake. These are currently being digitized for inclusion in the mine database.

HBED supplied an inventory of their exploration-core repository on the abandoned railbed at the Stall Lake mine site in

Snow Lake. A database of this information has been created to facilitate the location and collection of core samples for inclusion in the mine-sample archive.

A collection of relatively fresh representative ore samples from a number of past-producing mines was obtained from Neil Provins (Falconbridge (Australia) Pty. Limited). These are currently being catalogued, and will be slabbed, polished and added to the archive suite.

Ian Jonasson (Geological Survey of Canada) is currently undertaking trace-element investigations on sulphides from volcanogenic massive-sulphide deposits. He has sample suites from a number of now-closed mines in the area, and these could be made available for our collection.

## **REFERENCES**

Heine, T.H. and Prouse, D.E. 2000: Activities of the Flin Flon regional office; *in* Report of Activities 2000, Manitoba Energy and Mines, Geological Services, p. 12.