

Report of Activities 2003

Published by:

Manitoba Industry, Economic Development and Mines

Manitoba Geological Survey, 2003.

ERRATA:

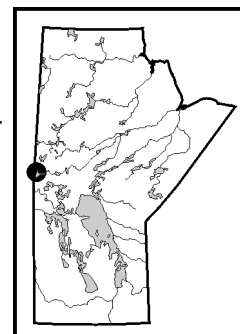
The publisher/department name in the bibliographic reference cited immediately below the title of each GS report should read

Manitoba Industry, Economic Development and Mines instead of **Manitoba Industry, Trade and Mines**.

Activities of the Manitoba Geological Survey's Flin Flon regional office

by T.H. Heine

Heine, T.H. 2003: Activities of the Manitoba Geological Survey's Flin Flon regional office; in Report of Activities 2003, Manitoba Industry, Trade and Mines, Manitoba Geological Survey, p. 37–38.



Summary

The Flin Flon office provides regulatory and technical assistance to the mineral-exploration and mining communities in the Flin Flon–Snow Lake region. These activities include

- recording new mineral claims,
- maintaining an up-to-date library of claim and land-status maps for the Province of Manitoba, and
- answering claim-status inquiries and accepting assessment-work submissions.

In addition to the staff from the previous year, including the Regional Geologist (Thomas H. Heine), Resident Geologist (David E. Prouse) and Mining Claims Inspector (Karen Costello), an Assistant Deputy Mining Recorder (Tana White) joined the office team. Technical and logistical assistance was provided for several research projects undertaken in the region. The mines-documentation project continues to move forward, with the addition of new samples from a number of now-closed mines in the region, including the Osborne Lake, Spruce Point, Flexar and Tartan Lake mines.

Office relocation and mining recording functions

The files and equipment from the Mining Recording office in The Pas arrived in Flin Flon in mid-January 2003. The Flin Flon office is now fully functional and can meet all recording and submissions requirements. The office also has a collection of Manitoba Industry, Trade and Mines publications for sale and reference.

An up-to-date collection of claim and land-status maps for the Province of Manitoba is maintained for public reference. Other services provided by the Flin Flon Mining Recording office include the recording of applications for new claims, accepting applications for casual quarry permits and prospecting licenses, and taking in other applications and submissions that fall under the terms of *The Mines and Minerals Act*. Reports summarizing the status and history of specific claims can be prepared for clients on request.

Exploration assistance

The main function of the Flin Flon office is to provide assistance to the mining and mineral-exploration community and the public interested in the geology of the region. Access to the Precambrian drillcore libraries in The Pas, Thompson and Lynn Lake is arranged through this office. A secure exterior storage area adjacent to the Centennial core-viewing facility is available for clients who wish to protect their core from vandalism or loss. Property visits, examinations, recommendations for further work and technical advice were provided to several clients. Logistical and technical support was provided to several summer field projects undertaken in the region, including the Laurentian University Flin Flon project, research teams from the Geological Survey of Canada and the University of Heidelberg (Germany), and projects of the Manitoba Geological Survey.

Office geologists are responsible for reporting on geological and mining-related issues. In 2003, this included the recently completed *Mineral Deposit Series* reports for Iskwasum Lake (NTS area 63K10; Heine, 2003b) and Elbow Lake (NTS area 63K15; Heine, 2003a) that are now available for purchase. The ongoing mines-documentation project, outlined previously (Heine and Prouse, 1998, 2000, 2001; Heine, 2002), continues to progress and is described in a separate contribution (GS-2, this volume). The activities of the mining and mineral-exploration communities within Manitoba are actively monitored by this office, and summary reports are prepared for both internal use and external publication. The office continued to supply technical support for the Green Project, a local initiative to ameliorate the acidic soil conditions and promote plant growth in areas affected by SO₂ emissions from the Flin Flon smelter (Heine, 2002). Participation in the Northwest Region Woodland Caribou Management and Research Committee was continued, to provide needed geological input into the recommendations being prepared by this committee.

Education

A display describing the genesis of volcanogenic massive sulphide deposits was set up at the Flin Flon Station

Museum (Fig. GS-5-1). The museum board had indicated in 2002 that it would provide space for a display describing the deposits of the region. The current display describes the origin of volcanogenic massive sulphide deposits, and includes rock and ore samples from mines in the district. Polished slabs from the mines reference collection have been loaned to the museum as part of this display. The exhibit, including the display case, was built and installed in June.

Economic considerations

The presence of a regional office for the Department of Industry, Trade and Mines in the centre of Manitoba's base-metal mining region is important for a number of reasons. Many concerns by the mineral-exploration industry can be readily addressed and resolved in an expeditious manner. It also provides a convenient place to submit applications and work required under *The Mines and Minerals Act*. Its location in a major mining centre allows staff to provide technical advice, both in the office and through field visits, to clients who request such services. The maintenance of a reference library of Manitoba Industry, Trade and Mines publications, as well as technical papers from other sources, provides a resource for ongoing mineral-exploration work in the region. Liaison with stakeholders in the region can be maintained continuously throughout the year, rather than on a seasonal or long-distance basis.

References

- Heine, T.H. 2002: Activities of Manitoba's Flin Flon regional office; *in* Report of Activities 2002, Manitoba Energy and Mines, Manitoba Geological Survey, p. 100–101.
- Heine, T.H. 2003a: Mineral deposits and occurrences in the Elbow Lake area, Manitoba, NTS 63K15; Manitoba Industry, Trade and Mines, Manitoba Geological Survey, Mineral Deposit Series, Report No. 30, 378 p.
- Heine, T.H. 2003b: Mineral deposits and occurrences in the Iskwasum Lake area, Manitoba, NTS 63K10; Manitoba Industry, Trade and Mines, Manitoba Geological Survey, Mineral Deposit Series, Report No. 31, 213 p.
- Heine, T.H. and Prouse, D.E. 1998: Photo Lake mine archive project (NTS 63K/16SE); *in* Report of Activities 1998, Manitoba Energy and Mines, Geological Services, p. 23–24.
- Heine, T.H. and Prouse, D.E. 2000: Activities of the Flin Flon regional office; *in* Report of Activities 2000, Manitoba Energy and Mines, Manitoba Geological Survey, p. 12.
- Heine, T.H. and Prouse, D.E. 2001: Activities of the Flin Flon regional office; *in* Report of Activities 2001, Manitoba Energy and Mines, Manitoba Geological Survey, p. 45–46.



Figure GS-5-1: Manitoba Geological Survey display in the Flin Flon Station Museum, showing the origin of volcanogenic massive sulphide deposits using samples from the base-metal mines of the region.