

### In Brief:

- A project was initiated in 2023 to salvage diamond-drillcore that has been stored outdoors at the Manitoba Geological Survey's Thompson Facility and Compound
- Four drillholes were selected for recovery from the Assean Lake area based on length and spatial distribution along a trend of gold mineralization
- The core was restacked in cross piles, roofed with salvaged core boxes, and covered with tarps

### Citation:

Couëslan, C.G. 2024: Thompson Facility and Compound core recovery project, east-central Manitoba (parts of NTS 64A1, 8): year two; in Report of Activities 2024, Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, p. 127–128.

### Summary

A project initiated in 2023 to salvage diamond-drillcore at the Manitoba Geological Survey's Thompson Facility and Compound was completed during the 2024 field season. The drillcore that remained to be salvaged was from an advanced exploration project in the Assean Lake area. Four drillholes were selected for recovery based on their length and their spatial distribution along the trend of mineralization.

### Project introduction and progress

A project initiated in 2023 to salvage diamond-drillcore stored outdoors at the Manitoba Geological Survey's Thompson Facility and Compound was completed during the 2024 field season. The drillcore boxes are in varying states of decay, with much of the core in danger of becoming lost. Drillcore from 75 holes was recovered during the first summer of the project (Couëslan, 2023b). All of the remaining drillcore was from an advanced gold exploration project in the Assean Lake area that ran from 2001 to 2004 (Assessment files 74035 and 74112, Manitoba Economic Development, Investment, Trade and Natural Resources, Winnipeg). During two weeks in July and August of 2024, the Assean Lake core was inventoried and four drillholes were selected for recovery based on length and their spatial distribution along the trend of mineralization. Core from a fifth drillhole (HT-01-3) from the Assean Lake project was recovered the previous year (Couëslan, 2023a).

The selected drillcore was removed from the cross piles and laid out. The core was washed and damaged boxes were either fixed or replaced. Missing, damaged or illegible core box labels were replaced with metal DYMO® tags. Core recovery from the four drillholes was close to 100% with very few pieces being lost because of core box collapse. The drillcore was restacked so that individual drillholes were organized within a single cross pile, rather than being distributed across several piles. The cross piles were roofed with salvaged core boxes and covered with tarps. A list of the drillcore recovered in 2023 and 2024 can be found in Data Repository Item DRI2024009<sup>1</sup> (Couëslan, 2024).

### Economic considerations

Archived drillcore is often used by industry geologists to evaluate the mineral potential of an area, and can be a determining factor in whether or not investment dollars are spent in Manitoba. In addition, core can be used by geologists from surveys and academia to further the understanding of the geology of Manitoba, which can, in turn, open up areas to new exploration activities and targets. It is hoped that the drillcore recovered from this project can be moved to a secure indoor storage facility where it will continue to be available to geologists wishing to learn more about the geology and mineral potential of the Assean Lake area.

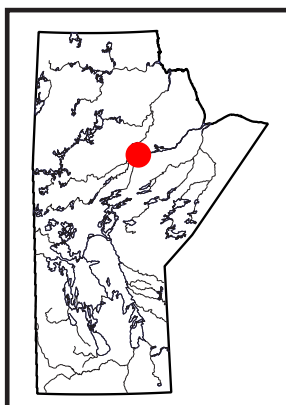
### Acknowledgments

Thanks to M. Friesen (University of Manitoba) and A. Maki (Brandon University) for providing excellent field assistance, and C. Epp and T. Kennedy for logistical support. Thanks to M. Nicolas and J. Rentz for reviewing drafts of this report.

### References

Couëslan, C.G. 2023a: Salvaged diamond-drillcore at the Thompson Facility and Compound, from east-central Manitoba (NTS 54C, 63P, 64A); Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, Data Repository Item DRI2023006, Microsoft® Excel® file.

<sup>1</sup> MGS Data Repository Item DRI2024009, containing the data or other information sources used to compile this report, is available online to download free of charge at <https://manitoba.ca/iem/info/library/downloads/index.html>, or on request from [minesinfo@gov.mb.ca](mailto:minesinfo@gov.mb.ca), or by contacting the Resource Centre, Manitoba Economic Development, Investment, Trade and Natural Resources, 360-1395 Ellice Avenue, Winnipeg, Manitoba R3G 3P2, Canada.



Couëslan, C.G. 2023b: Thompson Facility and Compound core recovery project, east-central Manitoba (parts of NTS 54C, 63P, 64A); *in* Report of Activities 2023, Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, p. 90–92.

Couëslan, C.G. 2024: Salvaged diamond-drillcore at the Thompson Facility and Compound, east-central Manitoba (parts of NTS 54C, 63P, 64A): updated; Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, Data Repository Item DRI2024009, Microsoft® Excel® file.