PUBLICATIONS

Data Repository Items

DRI2023007

Till-matrix geochemistry re-analyses data from far northeastern and far northwestern Manitoba (parts of NTS 54E, F, L, 64J, K, N, O) by M.S. Gauthier and P.-M. Godbout

DRI2023015

Till geochemistry and heavy mineral analyses (gold, MMSIM[®], visual KIM) of the western Fox River greenstone belt area, northeastern Manitoba (NTS 53M15, 16, parts of 53N13, 54C4, 54D1): year 2 by M.S. Gauthier and T.J. Hodder

DRI2023016

Compilation of Sm-Nd isotope results for archived samples from the Manitoba Geological Survey's Far North projects (parts of NTS 64I, K, M, N, P) by Manitoba Geological Survey

by Manitoba Geological Survey

DRI2024001

Till heavy mineral analysis (gold, MMSIM, visual KIM) from eight sections near the confluence of the Hayes and Gods rivers, northeastern Manitoba (parts of NTS 54C2, 7) by M.S. Gauthier L.N. Mesich and T.L. Hodder

by M.S. Gauthier, L.N. Mesich and T.J. Hodder

DRI2024002

Till geochemistry from eight sections near the confluence of the Hayes and Gods rivers, northeastern Manitoba (parts of NTS 54C2, 7)

by L.N. Mesich, M.S. Gauthier and T.J. Hodder

DRI2024003

Till-matrix geochemistry data from the 2022–2023 field seasons in southeastern Manitoba (parts of NTS 52L, 62P, 63A) by T.J. Hodder

DRI2024004

Gold and indicator-mineral data derived from glacial sediments (till) in southeastern Manitoba (parts of NTS 52L, 62P, 63A) by T.J. Hodder

DRI2024005

Till-clast–lithology data, western Fox River greenstone belt area, northeastern Manitoba (NTS 53M15, 16, parts of 53N12, 13, 54C4, D1)

by M.S. Gauthier, M. Budge and M. Friesen

DRI2024006

Till-clast–lithology data, Gillam area, northeastern Manitoba (parts of NTS 54C, D, 64A) by M.S. Gauthier

DRI2024007

2023 aggregate field visits: Quaternary site data, composition, and ice-flow indicators from gravel pits in southern Manitoba (parts of NTS 62H15, I13, P5)

by M.S. Gauthier and J. Rentz

DRI2024008

Rock Volatiles Stratigraphy data from drill cuttings from four oil wells in southwestern Manitoba (parts of NTS 62F2, K3)

by M.P.B. Nicolas, C.M. Smith and M.P. Smith

Microsoft® Excel® file supplements:

Nicolas, M.P.B., Smith, C.M. and Smith, M.P. 2024: Rock volatiles analysis of drill cuttings to evaluate the helium and hydrocarbon prospectivity of southwestern Manitoba (parts of NTS 62F2, K3); *in* Report of Activities 2024, Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, p. 153–163.

DRI2024009

Salvaged diamond-drillcore at the Thompson Facility and Compound, east-central Manitoba (parts of NTS 54C, 63P, 64A): updated

by C.G. Couëslan

Microsoft[®] Excel[®] file supplements:

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.

DRI2024010

Field-based ice-flow-indicator data collected during the 2023 and 2024 field seasons in southeastern Manitoba (parts of NTS 52L, M, 62P)

by T.J. Hodder

Microsoft[®] Excel[®] file supplements:

Hodder, T.J. and Lian, O.B. 2024: Reconnaissance-scale Quaternary geology investigations to support lithium exploration in southeastern Manitoba (parts of NTS 52L, M, 62P, 63A); *in* Report of Activities 2024, Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, p. 200–208.

DRI2024011

Geochemical data of bulk-rock samples collected in the 2022 and 2023 field seasons from the Lynn Lake greenstone belt, northwestern Manitoba (parts of NTS 64C10–12, 14–16)

by X.M. Yang

Microsoft[®] Excel[®] file supplements:

Yang, X.M. 2024: New uranium-lead zircon dates from the Lynn Lake greenstone belt, northwestern Manitoba (part of NTS 64C14): implications for diverse granitoid magmatism and gold mineralization; *in* Report of Activities 2024, Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, p. 129–144.

DRI2024012

Compilation of gas compositions from oil and gas wells in southwestern Manitoba (NTS 62G12, 62K3, parts of 62F)

by M.P.B. Nicolas

Microsoft[®] Excel[®] file supplements:

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DRI2024013

Whole-rock geochemistry and interactive GIS map file from the Cross Lake pegmatite field (parts of NTS 63I3–6, 11–14, 63J1–3, 6–11, 14–16)

by T. Martins, J. Janssens, P. Lenton, T. Corkery and A. Anderson

Microsoft[®] Excel[®] file supplements:

Martins, T., Janssens, J. and Lenton, P. 2024: Spodumene-bearing pegmatites from the Cross Lake pegmatite field, east-central Manitoba: mineralogy and petrography descriptions (parts of NTS 63I12, 63J9); *in* Report of Activities 2024, Manitoba Economic Development, Investment, Trade and Natural Resources, Manitoba Geological Survey, p. 77–84.

GeoFiles

GeoFile 2-2023

Manitoba till-matrix geochemistry compilation: silt plus clay (<63 µm) size-fraction by inductively coupled plasma–mass spectrometry after an aqua-regia or modified aqua-regia digestion

by M.S. Gauthier

GeoFile 5-2023 Updates to the Manitoba Mineral Deposits Database by M.L. Rinne

GeoFile 7-2023 Manitoba till-matrix geochemistry compilation: total carbonate of the silt plus clay (<63 μ m) size-fraction by M.S. Gauthier

GeoFile 8-2023 Manitoba till-matrix geochemistry compilation: visible gold grains in the heavy mineral (<2 mm) size-fraction by M.S. Gauthier

GeoFile 2-2024 Manitoba till-matrix geochemistry compilation: silt plus clay (<63 μm) size fraction by inductively coupled plasma–mass spectrometry after an aqua-regia or modified aqua-regia digestion by M.S. Gauthier

GeoFile 5-2024 Updates to the Manitoba Mineral Deposits Database by M.L. Rinne

Open Files

OF2024-1

Quaternary site, till composition and ice-flow indicator datasets in the Kaskattama highland area, northeastern Manitoba (parts of NTS 53N, O, 54B, C)

by T.J. Hodder, M.S. Gauthier, S.E. Kelley and M. Ross

OF2024-4 Bedrock geology of Manitoba by Manitoba Geological Survey (scale 1:1 000 000)

Preliminary Map

PMAP2024-1 Bedrock geology of the northwestern Burntwood Lake area, west-central Manitoba (part of NTS 63N7) by C.G. Couëslan (scale 1:10 000)

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