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Dyer, R.D. and Burke, H.E. 2012. Lake sediment and water geochemical data from the Mine Centre area, northwestern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 296.

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These data accompany:

Open File Report 6281, *Mine Centre Area Lake Sediment and Water Geochemical Survey, Northwestern Ontario*, which can be downloaded at

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Miscellaneous Release—Data 296

Lake Sediment and Water Geochemical Data from the Mine Centre Area, Northwestern Ontario

by R.D. Dyer and H.E. Burke

Deep and shallow lake sediment geochemical data, and lake water geochemical and quality (limnological: pH and electrical conductivity) data, including quality-control data, collected from a survey of 1726 sites from the Mine Centre area, are being released in conjunction with Open File Report 6281. Data are available as 17 Microsoft® Excel® 2003 (.xls) format files.

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD296

The data are organized into 4 folders, as follows:

1. Deep
2. Shallow
3. Water
4. Tables

Abbreviations

IC	ion chromatography
ICP-MS	inductively coupled plasma mass spectrometry
ICP-OES	inductively coupled plasma optical emission spectrometry
INAA	instrumental neutron activation analysis
LOI	loss-on-ignition
NAD83	North American Datum 1983
UTM	Universal Transverse Mercator

1. Deep folder. This folder contains 3 Microsoft® Excel® (.xls) files with data for deep lake sediment samples.

Deep_Sed_ICP_INAA_Data.xls Deep lake sediment geochemical data, containing site numbers, UTM coordinates (NAD83, Zone 15), lake depth, ICP-MS, ICP-OES and INAA analytical data and LOI.

Deep_Sed_ICP_INAA_QC_CRMs.xls Geochemical data for certified lake sediment reference standards LKSD-1, LKSD-2 and LKSD-4 inserted into the deep lake sediment sample sequence. File contains ICP-MS, ICP-OES and INAA analytical data and LOI.

Deep_Sed_ICP_INAA_QC_Dups.xls Geochemical data for deep lake sediment analytical pulp duplicate pairs. File contains ICP–MS, ICP–OES and INAA analytical data and LOI.

2. Shallow folder. This folder contains 3 Microsoft® Excel® (.xls) files with data for shallow lake sediment samples.

Shallow_Sed_ICP_Data.xls Shallow lake sediment geochemical data, containing site numbers, UTM co-ordinates (NAD83, Zone 15), lake depth, ICP–MS and ICP–OES analytical data and LOI.

Shallow_Sed_ICP_QC_CRMs.xls Geochemical data for certified lake sediment reference standards LKSD-4 inserted into the shallow lake sediment sample sequence. File contains ICP–MS and ICP–OES analytical data and LOI.

Shallow_Sed_ICP_QC_Dups.xls Geochemical data for shallow lake sediment analytical pulp duplicate pairs. File contains ICP–MS and ICP–OES analytical data and LOI.

3. Water folder. This folder contains 7 Microsoft® Excel® (.xls) files with data for lake water samples.

Waters_ICP_IC_Data.xls Lake water ICP–MS, ICP–OES and IC analytical data. This file contains site numbers, UTM co-ordinates (NAD83 Zone 15) and analytical data for 4 anion species and 53 major, minor and trace elements.

Water_YSI_Data.xls Lake water limnological data collected using a YSI multi-parameter water-quality probe. This file includes sample site numbers, UTM co-ordinates (NAD83, Zone 15), water temperature, pH and electrical conductivity.

Waters_ICP_QC_CRMs.xls Geochemical data for lake water reference material SLRS-4 inserted into the lake water sample sequence. File contains ICP–MS and ICP–OES analytical data.

Waters_ICP_QC_Blanks.xls Geochemical data for distilled water blanks and filtered distilled water blanks inserted into the lake water sample sequence. File contains ICP–MS and ICP–OES analytical data.

Water_ICP_QC_Dups.xls Geochemical data for lake water analytical duplicate pairs. File contains ICP–MS and ICP–OES analytical data.

Water_IC_QC_Dups.xls Geochemical data for lake water analytical laboratory duplicate pairs. File contains IC analytical data from OGS Geoscience Laboratories quality-control procedure.

Water_IC_QC_Blanks.xls Geochemical data for distilled water blanks inserted into the lake water sample sequence. File contains IC analytical data.

4. Tables folder. This folder contains 4 Microsoft® Excel® (.xls) files representing data tables in Open File Report 6281 (Dyer and Burke 2012).

OFR6281_Table1.xls Table 1 containing a summary of elements analyzed in deep lake sediment, including quality-control data and estimates of precision.

OFR6281_Table2.xls Table 2 containing a summary of elements analyzed in shallow lake sediment, including quality-control data and estimates of precision.

OFR6281_Table3.xls Table 3 containing a summary of elements analyzed in lake water, including quality-control data and estimates of precision.

OFR6281_Appendix_3.xls Appendix 3 containing site numbers, UTM co-ordinates (NAD83, Zone 15), lake depths, LOI and selected chemical element analytical data.

Reference

Dyer, R.D. and Burke, H.E. 2012. Mine Centre area lake sediment and water geochemical survey, northwestern Ontario; Ontario Geological Survey, Open File Report 6281.

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=OFR6281