

LEGEND

CENOZOIC

PLEISTOCENE TO RECENT

- [32] QUS* 64 Sand, gravel, clay, boulder till, organic deposits.

PALAEZOIC

ORDOVICIAN - SILURIAN

- [31] OSC 19 Limestone, dolostone, shale, sandstone, conglomerate.

CAMBRIAN

- [30] CAC 10 Carbonatite, nepheline and alkalic syenites, associated mafic and ultramafic rocks, fenite.

PRECAMBRIAN

LATE PRECAMBRIAN

- [29] LPAD 04 Mafic intrusive rocks; diabase, quartz diabase, olivine diabase, gabbro, pyroxenite, serpentinized peridotite, olivine gabbro stocks.

MIDDLE PRECAMBRIAN

- [28] LPAC 04 Carbonatite, nepheline and alkalic syenites and associated mafic and ultramafic rocks, fenite.

GRENVILLE PROVINCE

- [27] LPGB 04 Metamorphosed mafic and ultramafic intrusive rocks.

- [26] LPGA 04 Gneissic alkali and nepheline syenite.

- [25] LPGF 04 Quartz monzonite, minor granodiorite and derived gneisses.

- [24] LPXG 04 Anorthositic intrusive rocks; anorthosite, gabbroic anorthosite, tonalite, diorite, monzonite, sodic, alkalic and quartz syenites, derived gneisses.

MIDDLE AND LATE PRECAMBRIAN

- [23] MPBN 04 Mafic and ultramafic intrusive rocks; gneissic gabbro, diorite, amphibolite, peridotite, pyroxenite, minor trondjemite, possible Nipissing Diabase equivalents.

MIDDLE PRECAMBRIAN

- [22] MPGF 04 Felsic intrusive rocks and gneissic equivalents; quartz monzonite, granofeldspar, granite, trondjemite, alkite granite, syenite and minor gabbro.

- [21] MPS 04 Metasediments; Blotite gneiss, muscovite and quartz gneiss, calc-silicate gneiss, quartz-feldspathic gneiss, gneissic coarse clastic metasediments, meta-conglomerates.

SUPERIOR AND SOUTHERN PROVINCES

- [20] MPSG 04 Granophyre

- [19] MPSN 04 Norite-gabbro, quartz norite, quartz gabbro, and transition sub-layer and offset rocks.

WHITEWATER GROUP

- [18] MPWG 04 CHELMSFORD FORMATION: greywacke, siltstone, ONATIN FORMATION: carbonaceous shale, ONAPING FORMATION: lapilli tuff, breccia, felsic flows and intrusions, carbonate and cherty rocks.

NIPISSING DIABASE

- [17] MPND 04 Pyroxene and hornblende gabbro, amphibolite, granophyre.

HURONIAN SUPERGROUP

COBALT GROUP

- [16] MPC 04 BAR RIVER FORMATION: quartz sandstone, hematitic siltstone, sandstone, DODGE FORMATION: siltstone, argillite, LORAIN FORMATION: micaceous and aluminous quartz, and quartz-feldspar sandstone, minor conglomerate and siltstone.

- [17] MGND 04 GONGANDA FORMATION: conglomerate, sandstone, siltstone, and argillite.

QUIRKE LAKE GROUP

- [15] MQP 04 SISSEY FORMATION: quartz-feldspar sandstone with minor siltstone and carbonaceous shale, ESPANOLA FORMATION: limestone, dolostone, siltstone, sandstone, BRUE FORMATION: conglomerate with minor sandstone and siltstone.

HOUGH LAKE GROUP

- [14] MPH 04 MICKSAGI FORMATION: quartz-feldspar sandstone, minor siltstone, argillite and conglomerate.

- [15] PECRS FORMATION: siltstone, argillite, greywacke.

- [16] RAMSAY LAKE FORMATION: conglomerate, minor sandstone and siltstone.

ELLIOT LAKE GROUP

- [13] MPEL 04 MCKIM FORMATION: siltstone, greywacke, argillite.

- [14] MATINENDA FORMATION: quartz-feldspar sandstone with minor conglomerate and siltstone.

[12] MPBV 04 SALMY LAKE AND ELSIE MOUNTAIN FORMATIONS: dominantly mafic metavolcanics with minor felsic volcanics, COPPER CLIFF FORMATION: dominantly felsic and intermediate metavolcanics, minor intrusions and intercalated metasediments, STOBIE FORMATION: mafic metavolcanics with abundant intercalated metasediments.

[11] MPB 04 Mafic intrusive rocks; gabbro, anorthositic and pyrophyritic metababbro.

EARLY PRECAMBRIAN (ARCHEAN)

- [10] AGM 02 Massive felsic to intermediate plutonic rocks; granite, granodiorite, tonalite, quartz monzonite, monzogranite, pegmatite.

- [9] AGD 02 Foliated to gneissic felsic to intermediate plutonic rocks; granite, granodiorite, tonalite, quartz monzonite, diorite, migmatite.

- [8] AGT 02 Syenite, monzonite, feldspar porphyry.

Geological boundary; approximate, assumed

- [7] AGM 02 Massive felsic to intermediate plutonic rocks; granite, granodiorite, tonalite, quartz monzonite, monzogranite, pegmatite.

- [6] AGC 02 Metasediments; greywacke, arkose, quartzite, conglomerate, argillaceous and migmatized metasediments, biotite-quartz-feldspar schist and gneiss.

- [5] ANWA 02 Alkalic metavolcanics; trachyte, leucite trachyte, flows, tuffs, breccia.

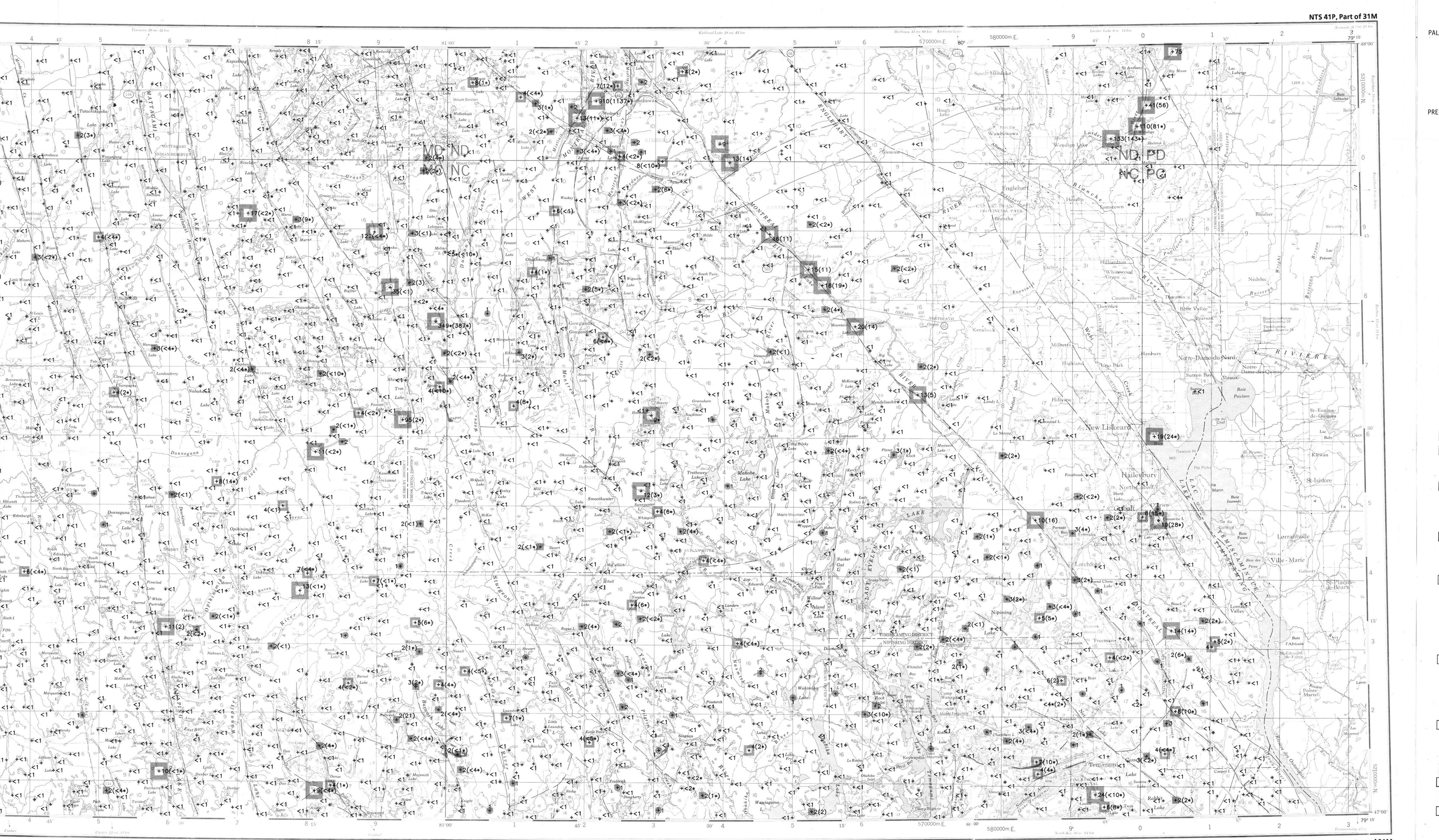
- [4] ANWU 02 Ultramafic metavolcanics; serpentinitized dunite and peridotitic flows.

- [3] AMWF 02 Felsic to intermediate metavolcanics; rhyolite to dacite flows and fragments, tuff, lapilli-tuff, agglomerate, breccia, porphyritic flows.

- [2] AMWB 02 Mafic to intermediate metavolcanics; basalt to andesite flows, porphyritic flows, and pillows lavas, mafic pyroclastics, layered amphibolite, diorite, gabbro, migmatized mafic metavolcanics.

- [1] IF 02 Iron formation.

*A mnemonic code assigned to rock types and recorded as part of field observations.



INDEX MAP - LIEU DE LA CARTE

1:250,000

Scale 1:250,000 - Échelle 1:250,000

Kilometres

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Kilometres

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Map reference number and index

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