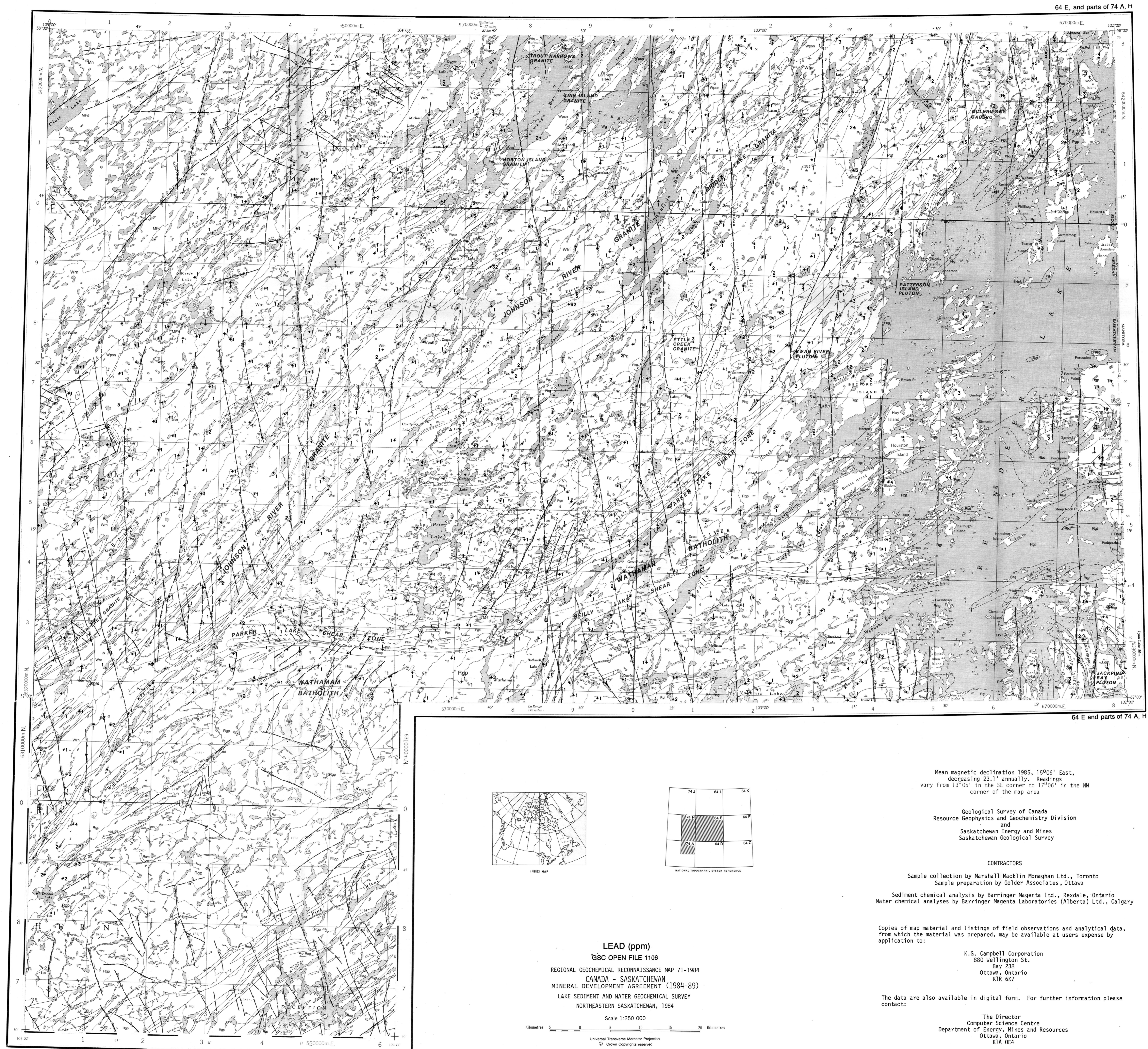


Complexes: where two or more classes of terrain are interspersed in a mosaic or repeating pattern the proportion of each component in the combination is given in a three-position designation set off by slashes denoting arbitrary percentage limits. For example, "Mv/Oz/R" means that at least 60% of the area is underlain by thin till, with up to 40% boggy areas, and less than 15% scattered rock outcrops. "Rc/R" indicates more than 60% bedrock concealed by vegetation and less than 15% outcrop.



LEGEND

Note: This legend is common for Regional Geochemical Reconnaissance Map 71-1904, Open File 1106

NEOHELMIAN-HADRYNIAN

- dd: Diabase gabbro: fine to coarse grained, massive to weakly foliated; coarse to biotite + hypersthene

PALEOHELMIAN

ATABASKA GROUP

- MF: Manitou Falls Formation: sandstone and conglomerate
- MFC: Manitou Falls Formation: member, locally pebbly
- MFCc: Manitou Falls Formation: member, locally pebbly

LATE ARCHEBIAN (HUDSONIAN)

- X: Calcicite: mylonite and sheared rocks of the Neefs Falls Shear Zone, derived from rocks of the Wollaston and Peter Lake domains

WOLLASTON DOMAIN

LATE ARCHEBIAN (HUDSONIAN)

- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated, with local (green) flow banding; microcline megacrysts; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; local perthite, amphibole and hornblende megacrysts; locally abundant apatite, zircon and monazite; granitic to dioritic; locally abundant quartz and perthite
- Wp: Granite and gabbro: fine to coarse grained, massive to weakly foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite; granitic to dioritic; locally abundant quartz and perthite
- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

ROTTENSTONE DOMAIN

ARCHEBIAN (HUDSONIAN) WITH POSSIBLE ARCHEAN ELEMENTS

- Rpgr: Megacrystic gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Rp: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Rpgr: Megacrystic gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Rp: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Rpgr: Megacrystic gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Rp: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

LA RONDE DOMAIN

PROBABLY HUDSONIAN (c. 1740 Ma)

- Lgr: Granite and quartz monzonite: medium grained, well foliated to gross; biotite + hornblende; abundant megacrysts of perthite and quartz; massive to foliated; locally abundant quartz monzonite
- Lgr: Granite and quartz monzonite: medium grained, well foliated to gross; biotite + hornblende; abundant megacrysts of perthite and quartz; massive to foliated; locally abundant quartz monzonite

EARLY TO MIDDLE ARCHEBIAN

Wollaston Group

- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Wp: Granite and gabbro: fine to coarse grained, massive to weakly foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

Peter Lake Group

- Ppgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Pp: Granite and gabbro: fine to coarse grained, massive to weakly foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Ppgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

PROBABLY EARLY ARCHEBIAN (LATE ARCHEAN)

- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Wp: Granite and gabbro: fine to coarse grained, massive to weakly foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

UNCONFORMITY

ARCHEAN, DEFORMED AND METAMORPHIC WITH ARCHEAN SUPRACRISTAL ROCKS DURING THE HUDSONIAN CROGENY

- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Wp: Granite and gabbro: fine to coarse grained, massive to weakly foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Wpgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

PROBABLY MAINLY ARCHEAN

- Ppgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Pp: Granite and gabbro: fine to coarse grained, massive to weakly foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite
- Ppgr: Granite gabbro: medium to coarse grained, massive to foliated; biotite + hornblende + quartz; granitic megacrysts; amphibole and garnetiferous; locally abundant apatite, zircon and monazite

SYMBOLS

- Single bedrock exposure, approximate area of abundant bedrock exposure
- Geological contact: defined to approximate: inferred
- Structural treatment: capable to probable fault, an interpreted from geological, geophysical and/or aerobitic evidence
- Water table: local base: unknown: system
- Trend and approximate dip of dominant foliation surface: dip: shallow (0-20°); moderate (20-50°); steep (50-90°); vertical (90°)
- Mineral prospect: 1: Geopac, Lake Du, Harup-Miller and Brunner; 1983: Geopac, 907
- Sample location (geochronology): 1: 1983: Ma, 1984: Ma, 1985: Ma, 1986: Ma, 1987: Ma, 1988: Ma, 1989: Ma, 1990: Ma, 1991: Ma, 1992: Ma, 1993: Ma, 1994: Ma, 1995: Ma, 1996: Ma, 1997: Ma, 1998: Ma, 1999: Ma, 2000: Ma, 2001: Ma, 2002: Ma, 2003: Ma, 2004: Ma, 2005: Ma, 2006: Ma, 2007: Ma, 2008: Ma, 2009: Ma, 2010: Ma, 2011: Ma, 2012: Ma, 2013: Ma, 2014: Ma, 2015: Ma, 2016: Ma, 2017: Ma, 2018: Ma, 2019: Ma, 2020: Ma, 2021: Ma, 2022: Ma, 2023: Ma, 2024: Ma, 2025: Ma, 2026: Ma, 2027: Ma, 2028: Ma, 2029: Ma, 2030: Ma, 2031: Ma, 2032: Ma, 2033: Ma, 2034: Ma, 2035: Ma, 2036: Ma, 2037: Ma, 2038: Ma, 2039: Ma, 2040: Ma, 2041: Ma, 2042: Ma, 2043: Ma, 2044: Ma, 2045: Ma, 2046: Ma, 2047: Ma, 2048: Ma, 2049: Ma, 2050: Ma, 2051: Ma, 2052: Ma, 2053: Ma, 2054: Ma, 2055: Ma, 2056: Ma, 2057: Ma, 2058: Ma, 2059: Ma, 2060: Ma, 2061: Ma, 2062: Ma, 2063: Ma, 2064: Ma, 2065: Ma, 2066: Ma, 2067: Ma, 2068: Ma, 2069: Ma, 2070: Ma, 2071: Ma, 2072: Ma, 2073: Ma, 2074: Ma, 2075: Ma, 2076: Ma, 2077: Ma, 2078: Ma, 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