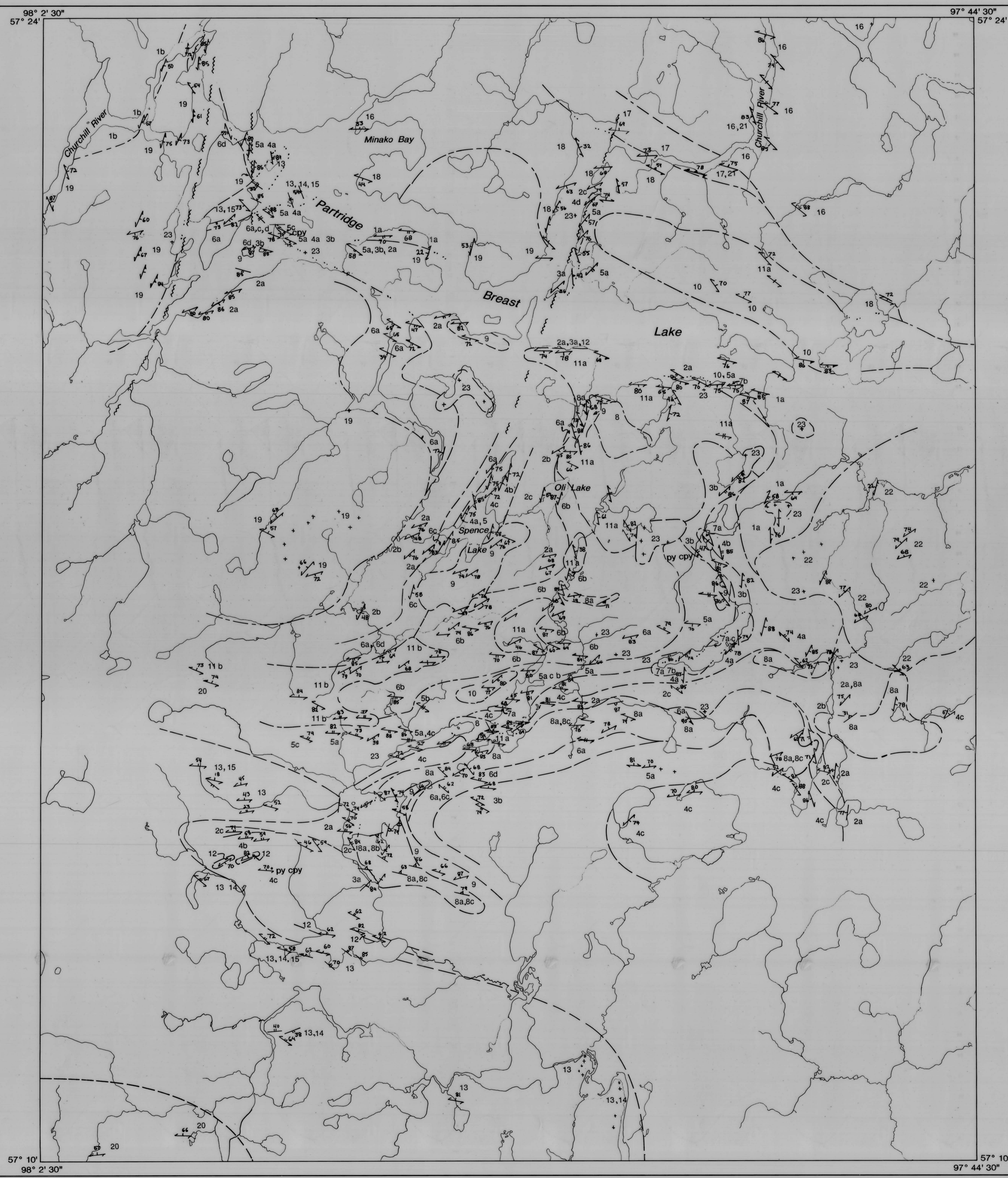




Manitoba Energy and Mines



Legend

- Intrusive Rocks
 - 21 Pegmatite
 - 22 Thorsteinson Lake granite
 - 21 Caballo dykes
 - 20 Megacrystic granite: biotite + hornblende bearing
 - 19 Seriate granite: coarse grained, pink, biotite muscovite bearing
- Northern Indian Lake Intrusive Rocks
 - 18 Leucocratic granite - granodiorite, biotite bearing
 - 17 Hornblende granodiorite
 - 16 Tonalite - granodiorite and gneissic tonalite
- Arkosic Suite
 - 15 Meta arkose: cross bedded, quartz rich sandstone, magnetite or hematite bearing
 - 14 Pebbly meta arkose: cross bedded quartzfeldspathic sandstone, magnetite or hematite bearing
 - 13 Metaconglomerate: polymictic, clast supported with arkosic sandstone matrix
- Partridge Breast Lake Intrusive Rocks
 - 12 Hornblende phytic gabbroic dykes
 - 11 Tonalite, granodiorite
 - a) tonalite: grey to buff, biotite + hornblende bearing
 - b) tonalite - granodiorite, magnetiferous with aggregates of biotite
 - 10 Quartz diorite: dark grey, magnetiferous
 - 9 Diorite: dark grey, hornblende phytic + biotite aggregates
- Partridge Breast Lake Suite
 - 8 Metagabbro
 - a) megagabbro
 - b) megagabbro
 - c) pyroxenite
 - 7 Metamorphosed ultramafic dykes and sills
 - a) gabbro
 - b) dunite, peridotite
 - c) gabbro
 - 6 Metasilstone and metasediments: quartzofeldspathic to psammitic
 - a) feldspathic biotite metasediments: weakly magnetiferous, muscovite bearing + sillimanite, staurolite, andalusite, garnet
 - b) hornblende-biotite metasediments
 - c) metapsiltstone - protomylonite
 - d) matrix supported metaconglomerate
 - 5 Metasilstone and metasediments: mafic, silty to feldspathic, interbedded with units 3, 4 and 6
 - a) magnetiferous metagreywacke and siltstone + muscovite, staurolite, andalusite and sillimanite
 - b) magnetiferous metagreywacke with biotite aggregates and/or hornblende crystals in a fine grained matrix
 - c) polymictic metaconglomerate: clast and matrix supported with pelitic matrix, muscovite and sillimanite
 - 4 Mafic metavolcanic rocks: tuff and resedimented tuff minor flows
 - a) meta andesite
 - b) mafic tuff and derived epiclastic rocks: hornblende phytic amphibolite derived from mafic volcanic rocks
 - 3 Intermediate to felsic metavolcanic rocks: tuff and resedimented tuff
 - a) metafelsic
 - b) metahydrolytic: quartz phytic and quartz-feldspar phytic
 - 2 Psammite and pelitic metagreywacke
 - a) metagreywacke and metasilstone, weakly magnetiferous + muscovite and sillimanite
 - b) metagreywacke, weakly magnetiferous with biotite aggregates and/or hornblende crystals in a fine grained matrix
 - c) oligomictic and polymictic clast-supported metaconglomerate with pelitic matrix + muscovite
 - 1 Long Point Suite
 - a) metagreywacke and derived migmatite
 - b) garnetiferous metagreywacke: graphite bearing
 - c) migmatite derived from 1a

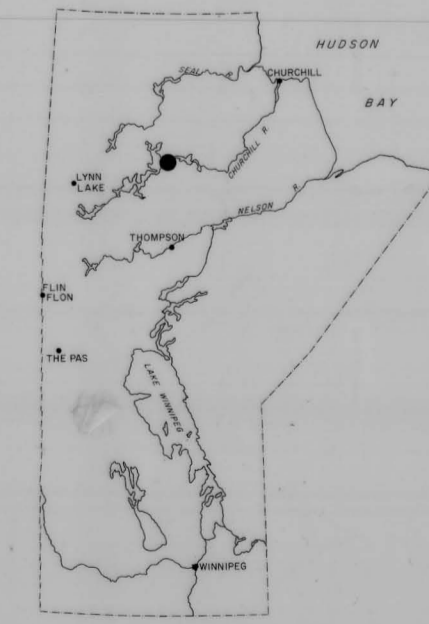
Symbols

- + Isolated outcrop
 - Geological contact: defined, approximate, under water, extrapolated using vertical gradient of aeromagnetic anomaly trends
 - Fault (approximate, assumed)
 - Bedding, tops known (vertical, inclined, dip unknown)
 - Bedding, tops unknown (vertical, inclined, dip unknown)
 - Bedding and foliation parallel, tops unknown (vertical, inclined, dip unknown)
 - Igneous layering, tops unknown (vertical, inclined, dip unknown)
 - Foliation (vertical, inclined, dip unknown)
 - Cataclastic foliation (vertical, inclined, dip unknown)
 - Foliation and metamorphic layering parallel (vertical, inclined, dip unknown)
 - Mineral occurrence
 - py cpy pyrite, chalcopyrite
 - cpy chalcopyrite
- Geology by: M. T. Corkery (1993, 1979) and P. G. Lenton (1979, 1980)

REFERENCES

- Corkery, M.T. 1993. Supracrustal rocks of the Partridge Breast Lake area. In Manitoba Energy and Mines, Mineral Division, Report of Activities, 1993.
- Corkery, M.T. and Lenton, P.G. 1990. Geology of the Lower Churchill River Region, Manitoba Energy and Mines, Geological Report GR85-1-1, Geological Maps GR85-1-1-1 to GR85-1-1-9.
- Lenton, P.G. and Corkery, M.T. 1980. The Lower Churchill River Project (Interim Report), Manitoba Energy and Mines, Open File Report OF81-3, 23p.

This map is a provisional summary of work carried out during the summer field season and is printed directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.



Scale 1:50 000

