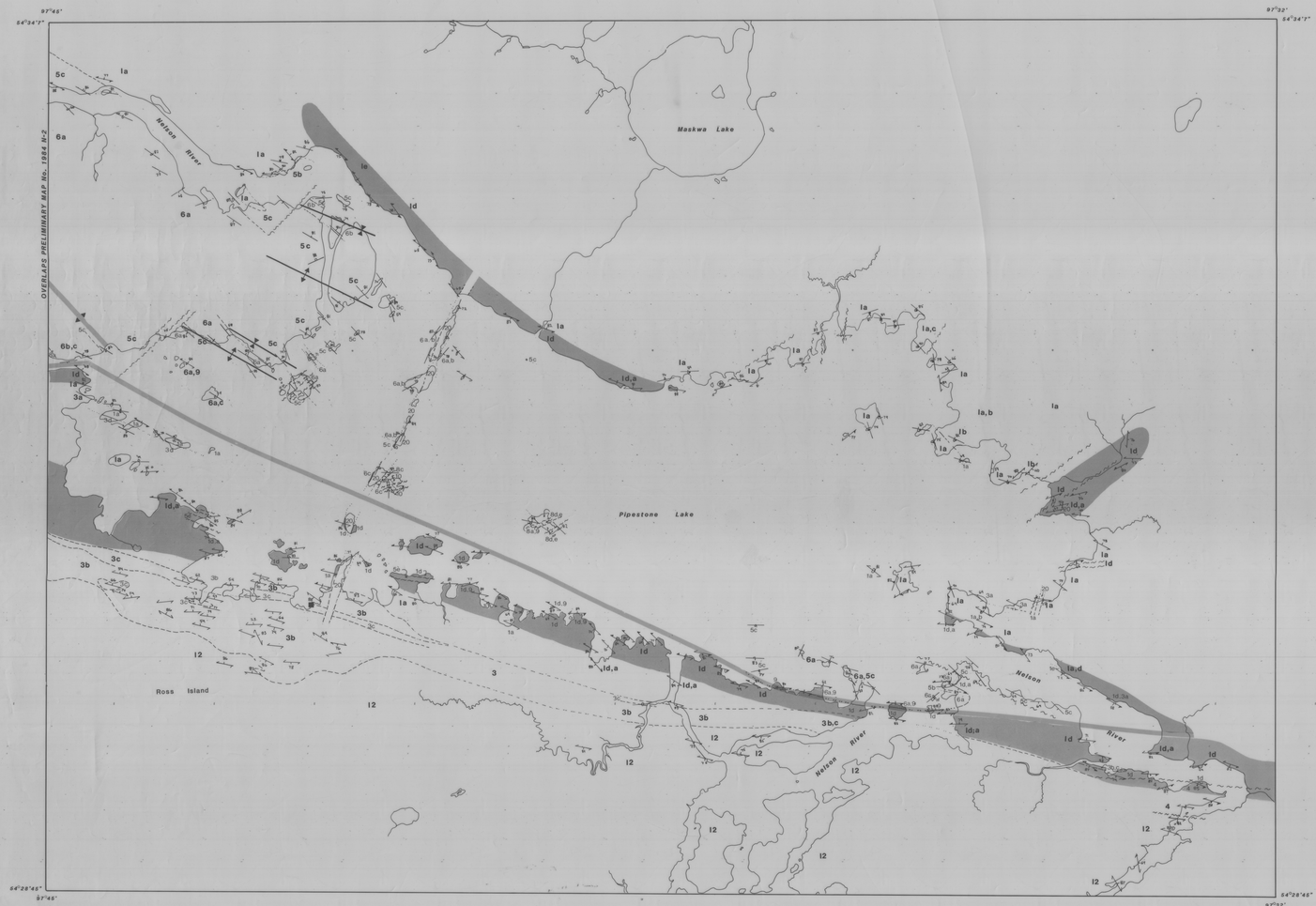
Manitoba
Energy and Mines

Preliminary Map Number: **1985 N-2**

PIPESTONE LAKE

N.T.S. Parts of 63 I-5 and 63 I-12



Symbols

- Area of extreme deformation and recrystallization
- Axis of reversal (fault?, fold?): defined, approximate. (Arrows indicate top direction)
- Block boundary, typically associated with areas of extreme deformation and faulting
- Fault: defined, approximate
- Geological contact: defined, approximate, under water
- Bedding, tops known; inclined, vertical, overturned, dip unknown
- Bedding, tops unknown; inclined, vertical
- Bedding and foliation parallel, tops known; inclined, vertical, overturned
- Bedding and foliation parallel, tops unknown; inclined, vertical
- Igneous layering, tops known; inclined, vertical
- Igneous layering, tops unknown, inclined, vertical
- Pillows, tops known; inclined, vertical, overturned
- Pillows, tops unknown; inclined, vertical
- Foliation; inclined, dip unknown
- Cataclastic foliation, inclined
- Location for preliminary map 1985N-3

Legend

PRECAMBRIAN

Proterozoic

20 Mafic dykes (Molson swarm)

Archean

* 19 Pegmatitic granite and pegmatite
- a) leucocratic granite
- b) pegmatitic leucocratic granite
- c) pegmatite (■ rare element enriched)

* 18 Seriate leucocratic granite

* 17 Porphyritic leucocratic granodiorite and granite

* 16 Massive grey granodiorite

* 15 Porphyritic grey granodiorite

* 14 Porphyroblastic hornblende granodiorite and tonalite

* 13 Tonalite

12 Augen granodiorite

* 11 Quartz-feldspar porphyry

10 Gabbro, diorite

9 Metamorphosed shale and silty shale

8 Metasandstone and metasiltstone with minor calcarenite, rarely interlayered with phyric basalt
- a) muscovite ± sillimanite lithic greywacke
- b) feldspathic muscovite sandstone
- c) protoquartzite
- d) phyric basalt
- e) volcanogenic sandstone, pebbly oligomictic conglomerate - matrix support

* 7 Felsite porphyry and felsic metasediments
- a) felsite porphyry
- b) fragmental felsite
- c) felsite fragment conglomerate
- d) felsic sandstone and siltstone

6 Metasandstone and pebbly metasandstone
- a) quartz-rich arkosic sandstone and pebbly sandstone
- b) feldspar-rich arkosic sandstone
- c) lithic sandstone

5 Polymictic metaconglomerate
- a) regolith
- b) basal polymictic conglomerate
- c) sand matrix polymictic conglomerate
- d) polymictic conglomerate with a dominance of grey feldspar porphyry clasts
- e) polymictic conglomerate with a dominance of mafic volcanic clasts

4 Tonalite
- a) quartz-biotite leucocratic tonalite
- b) biotite ± hornblende tonalite

3 Mafic-ultramafic intrusive rocks
- a) mafic dykes and sills
- b) anorthosite, leucogabbro
- c) melagabbro
- d) layered ultramafic sill

* 2 Metasedimentary rocks
- a) volcanic conglomerate
- b) metagreywacke
- c) iron formation

1 Mafic metavolcanic rocks
- a) pillowed and massive flows
- b) pillowed and massive plagiophyric flows
- c) oligomictic flow breccia
- d) layered amphibolite
- e) chlorite-talc schist

Stratigraphic note;

Units 6 and 5 are typically interlayered on a large scale.

Units marked with * do not appear on this map. See adjoining maps 1984N-2 and 1984N-3.

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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 1:20 000

KILOMETRES 0 1 2 KILOMETRES

1985 N-2