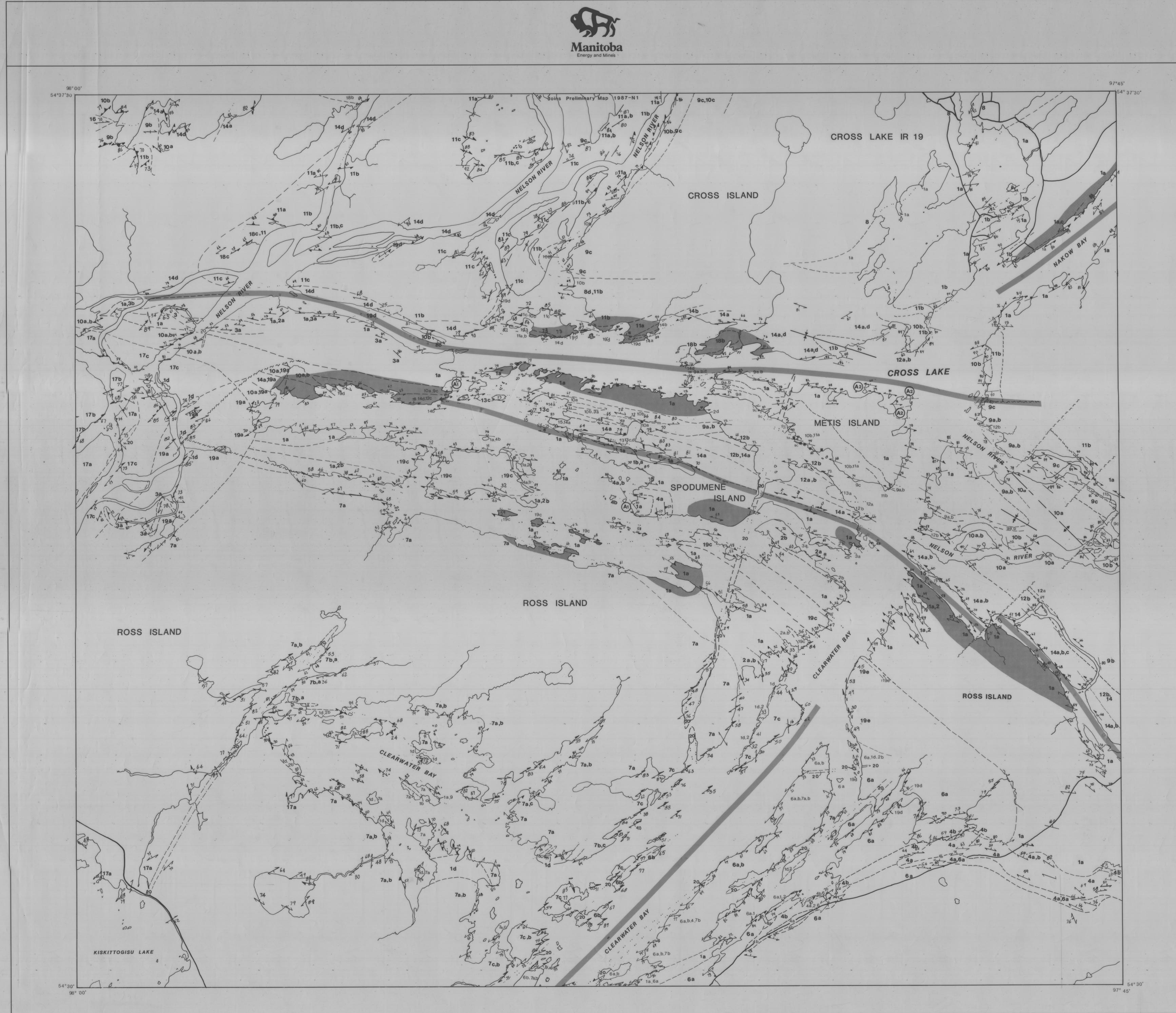
Legend



20 Mafic dykes - Molson dyke swarm 19 Granite, pegmatitic granite and pegmatite, 19 highly deformed zones
a) peristerite granite
b) leucocratic garnet-tourmaline granite c) pink porphyritic granite
d) pegmatitic granite and pegmatite; 
rare-element-enriched pegmatite
e) augen granite 18 Granite and granodiorite
a) porphyritic granite
b) seriate leucogranite c) grey granodiorite and granite Syntectonic intrusive rocks Jenpeg complex
 a) grey tonalite to granodiorite; megacrystic
 b) megacrystic biotite granodiorite to granite
 c) cataclastic gneiss; dominantly orthogneiss with rafts of supracrustal rocks 16 Gabbro, diorite a) gabbro dyke Cross Lake Group 15 Metamorphosed shale and silty shale 14 Metasandstone and metasiltstone with minor calcarenite a) lithic muscovite ± sillimanite greywacke
 b) feldspathic muscovite sandstone c) protoquartzite
d) psammitic greywacke; fine grained, thin-bedded sandstone 13 Felsite porphyry and felsic metasediments a) intrusive felsite porphyry b) fragmental felsite
c) felsite fragment conglomerate
d) felsic sandstone and siltstone 12 Shoshonitic basalt and derived metasediments a) shoshonitic basalt; massive flow
 b) shoshonitic tuff, lapilli tuff and resedimented shoshonitic basalt
 c) volcanogenic siltstone and sandstone chiefly derived from shoshonitic basalt 11 Metasandstone and p11 pebbly metasandstone a) quartz-rich arkosic sandstone and pebbly sandstone b) feldspar-rich arkosic sandstone; muscovite-rich c) lithic sandstone; biotite-garnet bearing 10 Matrix-supported polymictic metaconglomerate a) planar crossbedded pebble-cobble conglomerate; matrix ranges from quartz-rich to lithic sandstone b) trough crossbedded pebble-cobble conglomerate; matrix ranges from quartz-rich to c) trough crossbedded to planar crossbedded conglomerate; clasts dominantly mafic volcanic in a lithic sandstone matrix 9 Clast-supported polymictic metaconglomerate a) regolith
b) unsorted, very thick-bedded clast-supported conglomerate
c) crossbedded clast-supported conglomerate; quartzofeldspathic sandstone matrix
d) clast-supported conglomerate; mafic volcanic clasts dominant Intrusive rocks a) leucocratic quartz-biotite tonalite b) biotite-hornblende tonalite Old gneiss complex 7 Clearwater Bay complex a) leucocratic biotite granodiorite to tonalite b) grey granodlorite
c) cataclastic gneiss; dominantly orthogneiss with rafts of supracrustal rocks 6 Whiskey Jack complex a) augen tonalite
 b) cataclastic gneiss; dominantly orthogneiss with rafts of supracrustal rocks 5 Eves Rapids complex a) megacrystic hornblende tonalite and granodiorite b) biotite tonalite c) porphyritic granodiorite and granite d) seriate granite Pipestone Lake Group 4 Pipestone Lake intrusive complex a) anorthosite, leucogabbro Mafic and ultramafic intrusive rocks a) mafic dykes and sills b) layered ultramafic sill 2 Metasedimentary rocks a) oligomictic conglomerate; clasts and matrix derived from basalt and ultramafic rock b) greywacke siltstone, sandstone; ranges from amphibole-rich to hornblende-blotite bearing c) feldspathic siltstone and felsic volcanic rock d) iron formation Mafic metavolcanic rocks
 a) pillowed and massive basalt flows b) pillowed and massive plagioclase-phyric basalt flows c) pillowed and massive komatitic basalt flows Stratigraphic notes:
Units 10 and 11 are typically interlayered on a large scale. Units in italic appear only on preliminary map 1987 N-1 Symbols Area of extreme deformation and recrystallization Alteration zones in mafic volcanic rocks (unit 1): quartz-plagioclase-pale green amphibole-biotite-garnet schist; quartz-plagioclase-muscovite-staurolite-andalusite schist Alteration zone in coarse clastic rocks; tourmalinization with elevated gold Axis of reversal (fault?, fold?); defined, approximate (Arrows indicate top direction) Fault boundary between Cross Lake supracrustal belt and plutonic terrane Block boundary, typically associated with areas of extreme deformation and faulting Fault; defined, approximate Geological contact; defined, approximate, under water, assumed 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, overturned Igneous layering, tops unknown; inclined, vertical Inclusion, layering; inclined, vertical Metamorphic layering; inclined, vertical Pillows; tops known; inclined, vertical, overturned 609 8 Pillows; tops unknown; inclined, vertical Foliation; inclined, dip unknown, vertical Cataclastic foliation; inclined, vertical Metamorphic layering parallel to foliation; dip vertical, inclined Geology by: M.T. Corkery, P.G. Lenton and H.D.M Cameron, 1983-1987 Supersedes 1984 N-2 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