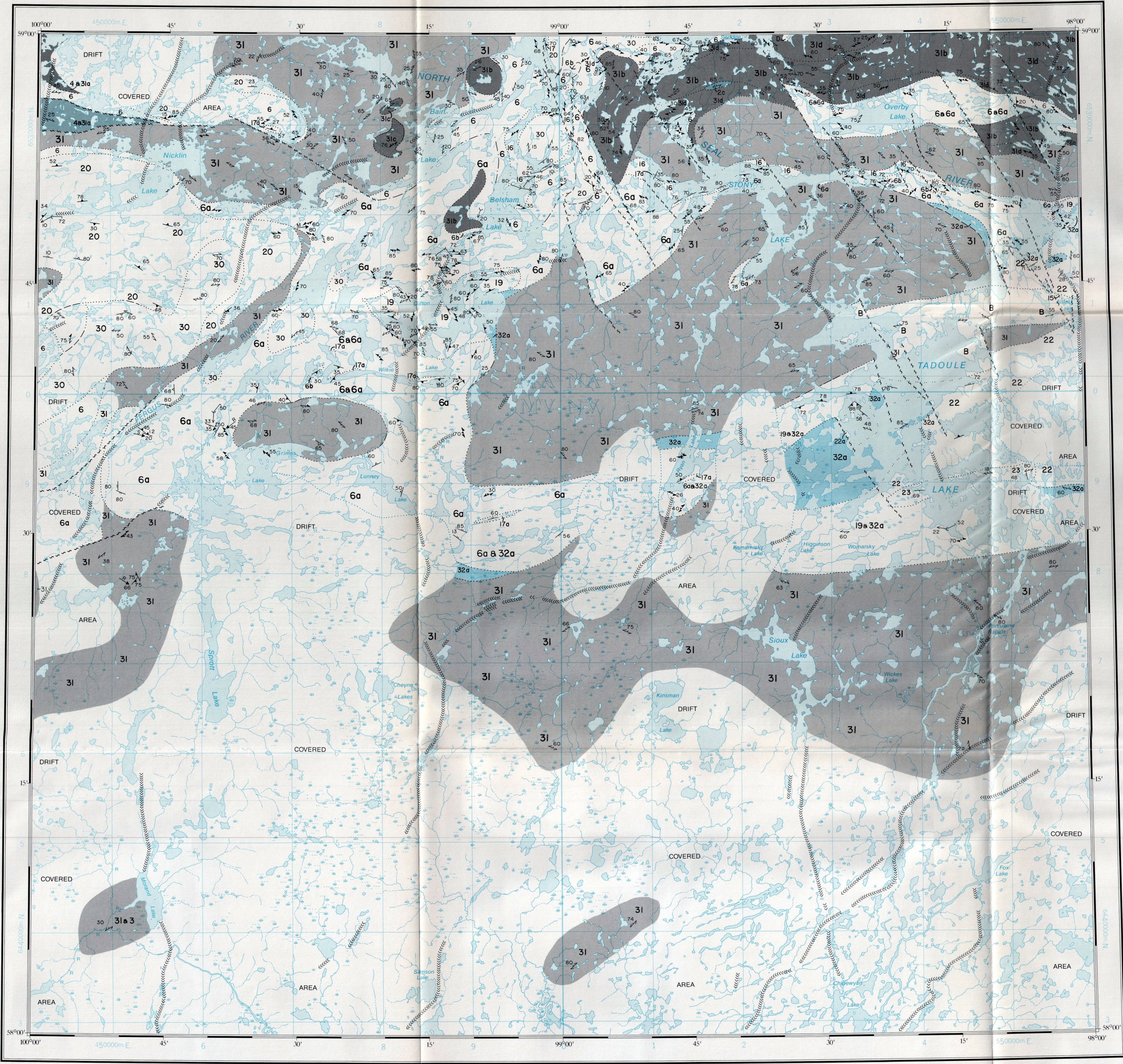


LEGEND

Post-Hudsonian	33	Diabase			
Hudsonian Intrusive and Hybrid Rocks	32	Pink porphyritic quartz monzonite; 32a) pink and/or white granite pegmatite; 32b) pink fluorite-bearing quartz monzonite; 32c) White fluorite-bearing quartz monzonite; 32d) Red granite, coarse grained to pegmatitic $\pm$ fluorite; 32e) Quartz-feldspar porphyry			
	31	Quartz monzonite, medium- to coarse-grained, massive to foliated $\pm$ apilite $\pm$ pegmatite zones			
	31a,b,c,d	31a) Hybrid quartz monzonite; 31b) Pink apilite $\pm$ hornblende; 31c) Well foliated biotite $\pm$ magnetite granite gneiss; 31d) Hybrid gneiss			
	30	White granite to trondhjemite, medium grained, cordierite-bearing $\pm$ tourmaline; 30a) Porphyritic white granodiorite			
SEQUENCE I			SEQUENCE II		
	20	Meta-arkose; derived arkosic gneiss with metatextite	29	"Churchill quartzite"	
	19	Feldspathic quartzite with faserkiesel of muscovite-sillimanite-quartz	GREAT ISLAND GROUP		
	18	Quartzite $\pm$ andradite $\pm$ diopside $\pm$ epidote	28	Metasiltstone and meta-argillite	
	17	Calc-silicate rocks; 17a) Marble $\pm$ quartz $\pm$ tremolite; 17b) Albite-pyroxene rock	27	Metagreywacke	
	16	Biotite psammite gneiss $\pm$ calc-silicate lenses			27a (North Knife River) Interlayered red and/or green metagreywacke and green phyllite
Archean			26	Garnet amphibole schist (iron formation) $\pm$ pyrrhotite $\pm$ magnetite; 26a) Black pyritic meta-argillite $\pm$ black acicular amphibole-garnet	
					25 (North Knife River) Black meta-argillite with quartz pebbles
			24	Dolomitic marble $\pm$ quartz $\pm$ clinoclhore	
					23 (Tadoule Lake) Metaconglomerate with muscovite-biotite-quartz siltstone matrix with quartzite clasts; interlayered grey siltstone with pebble beds
Archean and Possible Archean			22	Quartzite and interlayered pale green phyllite to biotite-muscovite schist $\pm$ garnet; 22a) Grey to grey-green phyllite $\pm$ andalusite $\pm$ biotite poikiloblasts	
			21a	Conglomerate oligomictic	
			21b	Conglomerate polymictic	
	15	Metagabbro in part noritic; metabasic rocks	14	Quartz porphyry	Seal River Intrusive Rocks
			13	Pink to grey, very fine grained feldspar porphyry	
			12	Ultramafic and serpentinite	
			11	Gabbro	
			10	Granodiorite to porphyritic quartz diorite	
	6	Semi-pelitic paragneiss to metatextite $\pm$ muscovite $\pm$ cordierite $\pm$ garnet $\pm$ sillimanite $\pm$ andalusite $\pm$ hypersthene; 6a) Semi-pelitic paragneiss to schist and interlayered, impure quartzite; 6b) Impure quartzite to quartzite; 6c) Augen gneiss; 6d) Biotite-feldspar gneiss with granodiorite <i>lvs</i>	9a	Conglomerate, volcanic derived	Seal River Intrusive Rocks
			9b	Conglomerate and greywacke	
			9c	Metasiltstone ( $\pm$ uvarovite)	
			8	Amphibolite	
			7a,b,c,d	7a) Andesite and minor basalt; 7b) Inter-layered tuff and pillowed andesite; 7c) Intermediate tuff, lapilli tuff and interlayered siliceous metasedimentary rocks, local rhyodacite and andesite flows; 7d) Rhyolite to rhyodacite	
Archean and Possible Archean	5	Foliated quartz monzonite			
	4	Foliated alaskite			
	3	Metadiorite to amphibolite and magnetite-biotite-hornblende schist			
	2a,b,c	2a) Hypersthene-quartz diorite; 2b) Hypersthene trondhjemite; 2c) Hypersthene-quartz monzonite (monzocharnockite)			
	1	Hypersthene gneiss			
Rocks of Uncertain Affinity	A	Grey tonalitic to granodioritic gneisses			
	B	Foliated to lineated biotite granodiorite to tonalite			
	C	Granodiorite diatextite to biotite metatextite $\pm$ garnet			
	D	Amphibolite			

Units occurring on this map are indicated in heavy type

Units occurring on this map are indicated in heavy type



SYMBOLS

	Geological boundary (defined, approximate, assumed, underwater, gradational)
	Bedding, tops known (inclined, vertical, overturned)
	Bedding, tops unknown (inclined, vertical, dip unknown)
	Bedding, tops unknown and parallel schistosity (inclined)
	Metamorphic layering (inclined, vertical, amount of dip unknown)
	Inclusion layering (inclined)
	Igneous layering, tops unknown (inclined)
	Igneous layering, tops unknown (inclined, dip unknown)
	Pillow, tops known (inclined)
	Pillow, tops unknown (inclined)
	Metamorphic layering and parallel gneissosity (inclined, vertical, amount of dip unknown)
	Metamorphic layering and parallel schistosity (inclined)
	Gneissosity (inclined, vertical, dip unknown)
	Schistosity (inclined, vertical, dip unknown)
	Cataclastic foliation (inclined)
	Fracture cleavage—strain slip cleavage (inclined)
	Mineral lineation (plunge indicated)
	Boudin axes (inclined)
	Rodding, mullion structure (inclined)
	Minor folds: axis (inclined)
	Minor folds: axial plane (inclined)
	symmetry (asymmetrical Z-shaped, asymmetrical S-shaped, symmetrical)
	Fault (assumed, approximate)
	Sheared zone
	Esker
	Limit of drift covered area

Geological Services Branch, Mineral Resources Division, Winnipeg  
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Geology by

D.C.P. SCHLEDEWITZ 1974-1978

Cartography by

MARK TIMCOE

INDEX MAP

The corresponding sheet of the National Topographic Series is 64-J  
The magnetic declination at the centre of the map is approximately 10°54' East (1981) and is decreasing by 17.6' annually

