

**NOTE:**

This map has been superseded and is included for informational purposes only. The citation for the map which superseded MAP GR80-9-6 is:

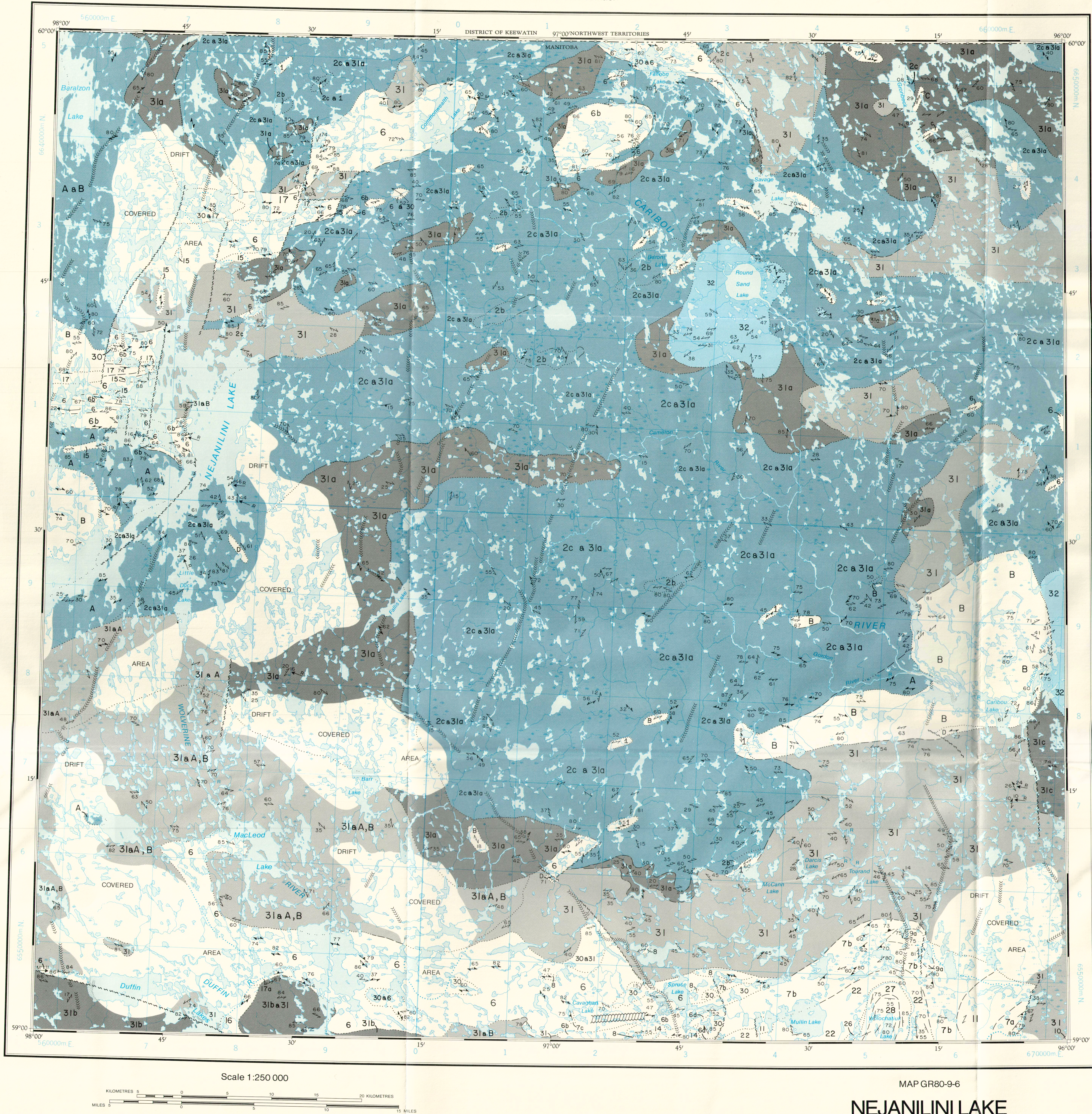
Manitoba Industry, Trade and Mines 2002: Nejanilini Lake, NTS 64P, Manitoba Industry, Trade and Mines, Geological Survey, Bedrock Geology Compilation Map 64P, 1 full colour map. scale 1:250 000.



LEGEND

Post-Hudsonian	33	Diabase
	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 ± fluorite; 32e) Quartz-feldspar porphyry
	31	Quartz monzonite, medium- to coarse-grained, massive to foliated ± aplite ± pegmatite zones
	31a,b,c,d	31a) Hybrid quartz monzonite; 31b) Pink aplite ± hornblende; 31c) Well foliated biotite ± magnetite granite gneiss; 31d) Hybrid gneiss
Hudsonian Intrusive and Hybrid Rocks	30	White granite to trondhjemite, medium grained, cordierite-bearing ± tourmaline; 30a) Porphyritic white granodiorite
	20	Meta-arkose; derived arkosic gneiss with metatextite
	19	Feldspathic quartzite with faserkiesel of muscovite-sillimanite-quartz
	18	Quartzite ± andradite ± diopside ± epidote
SEQUENCE I	17	Calc-silicate rocks; 17a) Marble ± quartz ± tremolite; 17b) Albite-pyroxene rock
	16	Biotite psammite gneiss ± calc-silicate lenses
	29	"Churchill quartzite"
	28	Metasiltstone and meta-argillite
GREAT ISLAND GROUP	27	Metagreywacke
	26	Garnet amphibole schist (iron formation) ± pyrrhotite ± magnetite; 26a) Black pyritic meta-argillite ± black acicular amphibole-garnet
	25	(North Knife River) Black meta-argillite with quartz pebbles
	24	Dolomitic marble ± quartz ± clinocllore
Archean	23	(Tadoule Lake) Metaconglomerate with muscovite-biotite-quartz siltstone matrix with quartzite clasts; interlayered grey siltstone with pebble beds
	22	Quartzite and interlayered pale green phyllite to biotite-muscovite schist ± garnet; 22a) Grey to grey-green phyllite ± andalusite ± biotite poikiloblasts
	21a	Conglomerate oligomictic
	21b	Conglomerate polymictic
Archean and Possible Archean	15	Metagabbro in part noritic; metabasic rocks
	14	Quartz porphyry
	13	Pink to grey, very fine grained feldspar porphyry
	12	Ultramafic and serpentinite
Seal River Volcanic Rocks	11	Gabbro
	10	Granodiorite to porphyritic quartz diorite
	9a	Conglomerate, volcanic derived
	9b	Conglomerate and greywacke
Seal River Intrusive Rocks	9c	Metasiltstone (± 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 Probable Archean Rocks	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 (monochamrockite)
Rocks of Uncertain Affinity	1	Hypersthene gneiss
	A	Grey tonalitic to granodioritic gneisses
	B	Foliated to lineated biotite granodiorite to tonalite
	C	Granodiorite diatextite to biotite metatextite ± garnet
D	D	Amphibolite

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)
	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  
To accompany MRD Geological Report GR80-9

Geology by

D.C.P. SCHLEDEWITZ 1974-1978

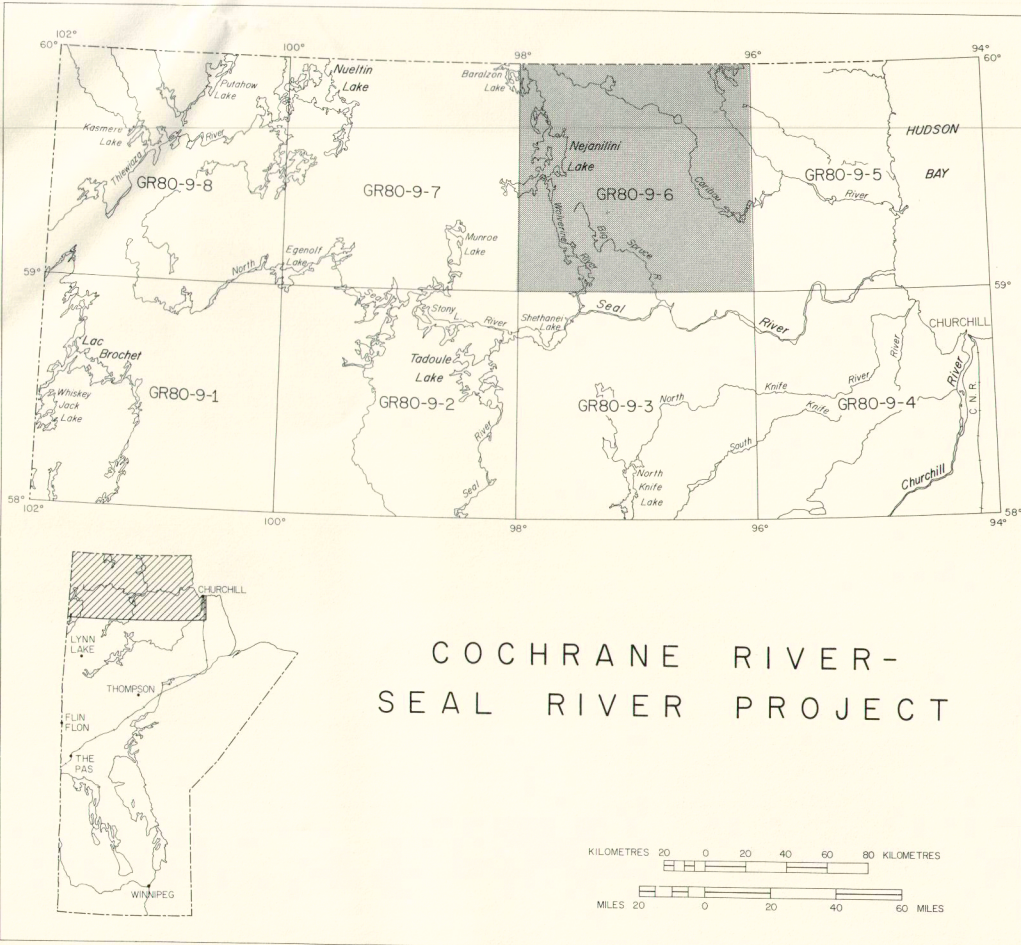
Cartography by

NANCY LAU

INDEX MAP

The corresponding sheet of the National Topographic Series is 64-P

The magnetic declination at the centre of the map is approximately 6°41' East (1981) and is decreasing by 17.5' annually



COCHRANE RIVER-  
SEAL RIVER PROJECT

MAP GR80-9-6

NEJANILINI LAKE