

NOTE:

This map has been superseded and is included for informational purposes only. The citation for the map which superseded MAP GR80-9-5 is:

Manitoba Industry, Economic Development and Mines 2005: Caribou River, NTS 54M;
Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey,
Bedrock Geology Compilation Map Series, NTS 54M, scale 1: 250 000.

LEGEND

Rock-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 ± apite ± pegmatite zones			
	31a,b,c,d	31a) Hybrid quartz monzonite; 31b) Pink apite ± 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			
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 ± andradite ± diopside ± epidote	28	Metasiltstone and meta-argillite	
	17	Calc-silicate rocks; 17a) Marble ± quartz ± tremolite; 17b) Albite-pyroxene rock	27	Metagreywacke	
	16	Biotite psammite gneiss ± calc-silicate lenses			27a (North Knife River) Interlayered red and/or green metagreywacke and green phyllite
Archean and Possible Archean			Acheban	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
				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	
	15	Metagabbro in part noritic; metabasic rocks		14	Quartz porphyry
				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 ± muscovite ± cordierite ± garnet ± sillimanite ± andalusite ± 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 inclusions		9a	Conglomerate, volcanic derived
				9b	Conglomerate and greywacke
				9c	Metasiltstone (± uvarovite)
				8	Amphibolite
				7a,b,c,d	7a) Andesite and minor basalt; 7b) Interlayered tuff and pillowed andesite; 7c) Intermediate tuff, lapilli tuff and interlayered siliceous metasedimentary rocks, local rhyodacite and andesite flows; 7d) Rhyolite to rhyodacite
	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 (monzoncharnockite)			
	1	Hypersthene gneiss			
Archean and Possible Archean Intrusive and Hybrid Rocks	A	Grey tonalitic to granodioritic gneisses			
	B	Foliated to lineated biotite granodiorite to tonalite			
	C	Granodiorite diatextite to biotite metatextite ± garnet			
	D	Amphibolite			

Units occurring on this map are indicated in heavy

Units occurring on this map are indicated in heavy type



SYMBOLS

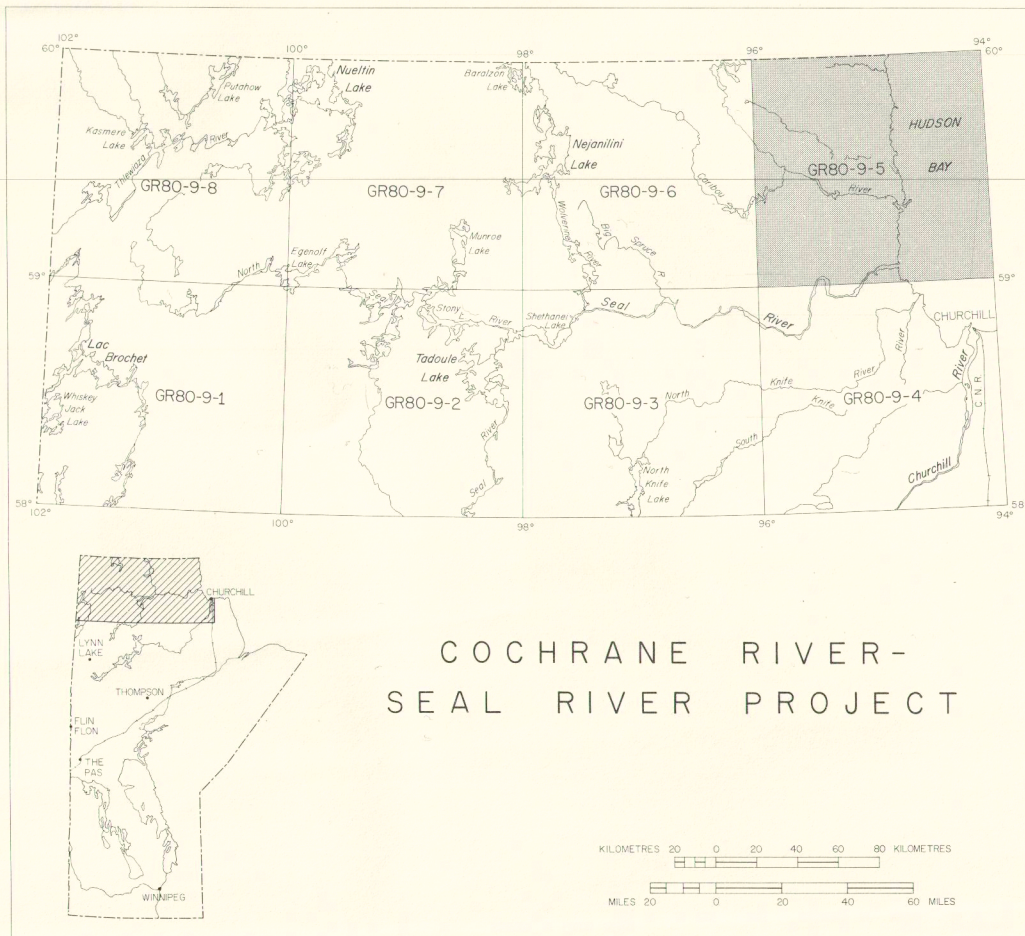
	Geological boundary (defined, approximate, underwater, gradational)
	Bedding, tops known (inclined, vertical, overturned)
	Bedding, tops unknown (inclined, vertical, dip unknown)
	Bedding, tops unknown and parallel schistosity (inclined)
	Metamorphic layering (inclined, vertical, amount of dip unknown)
	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
MARK TIMCOE

INDEX MAP

The corresponding sheet of the National Topographic Series is 54-M
The magnetic declination at the centre of the map is approximately 3°16' East (1981) and is decreasing by 16.6' annually



COCHRANE RIVER-
SEAL RIVER PROJECT

MAP GR80-9-5

CARIBOU RIVER