

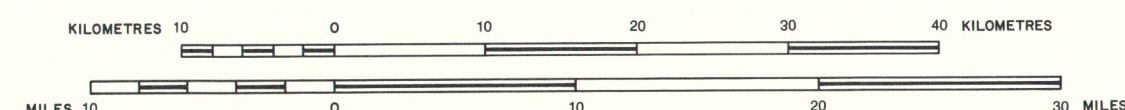
LEGEND

Post-Huronian 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
Huronian Intrusive and Volcanic Rocks	31	Quartz monzonite, medium- to coarse-grained, massive to foliated ± apatite ± pegmatite zones
	31a,b,c,d	31a) Hybrid quartz monzonite; 31b) Pink apatite ± hornblende; 31c) Well foliated biotite ± magnetite granite gneiss; 31d) Hybrid gneiss
	30	White granite to trondhjemite, medium grained, cordierite-bearing ± tourmaline; 30a) Porphyritic white granodiorite
SEQUENCE I		
	20	Meta-arkose; derived arkosic gneiss with metatextite
	19	Feldspathic quartzite with faserkiesel of muscovite-sillimanite-quartz
	18	Quartzite ± andradite ± diopside ± epidote
	17	Calc-silicate rocks; 17a) Marble ± quartz ± tremolite; 17b) Albite-pyroxene rock
	16	Biotite psammite gneiss ± calc-silicate lenses
SEQUENCE II		
	29	"Churchill quartzite"
GREAT ISLAND GROUP		
	28	Metasiltstone and meta-argillite
	27	Metagreywacke
Achean		
	26	Garnet amphibole schist (iron formation) ± pyrrhotite ± magnetite; 26a) Black gneiss; meta-argillite ± black acicular amphibole-garnet
	24	Dolomitic marble/quartzite/ironstone; 24 a) Argillite (Huron Group); 24 b) Dolomite (Huron Group)
	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
Achean and Possible Achean		
	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
SEQUENCE I		
	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 lens
SEQUENCE II		
	9a	Conglomerate, volcanic derived
	9b	Conglomerate and greywacke
	9c	Metasiltstone (± psammite)
	8	Amphibolite
	7a	7a) Andesite and minor basalt; 7b) Interlayered tuff and pillowed andesite; 7c) Intermediate tuff, lapilli tuff and interlayered siliceous metasedimentary rocks, local rhyolite and andesite flows; 7d) Rhyolite to rhyodacite
Achean and Possible Achean		
	5	Foliated quartz monzonite
	4	Foliated alaskite
	3	Metadiorite to amphibolite and magnetite-biotite-hornblende schist
	2a	2a) Hypersthene-quartz diorite; 2b) Hypersthene trondhjemite; 2c) Hypersthene-quartz monzonite (monzonarockite)
	1	Hypersthene gneiss
Rocks of Unknown Affinity		
	A	Grey tonalitic to granodioritic gneisses
	B	Foliated to lineated biotite granodiorite to tonalite
	C	Granodiorite diatexite to biotite metatextite ± garnet
	D	Amphibolite

SYMBOLS

- Geological boundary (approximate, assumed, gradational)
- Fault (assumed, approximate)
- Sheared zone
- Limit of drift covered area
- Frost heaved angular blocks, probable outcrop
- Foliation trend
- Foliation dip 0-30°
- Foliation dip 30°-60°
- Foliation dip 60°-89°
- Foliation dip vertical
- Foliation trend extrapolated
- Igneous layering
- Air photo linears
- Fault with dip

Scale 1:500 000



Map GR80-9-9

COCHRANE RIVER-SEAL RIVER PROJECT
GEOLOGICAL COMPILATION MAP

Geological Services Branch, Mineral Resources Division, Winnipeg
To accompany MRD Geological Report GR80-9

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INDEX MAP

