

GEOTECTONIC CORRELATION
CHART, COLUMN 10

EON/ERA	PERIOD	SERIES		STAGE	ISOTOPIC AGE (Ma)			
		EPOCH	AGE					
CENOZOIC	TERTIARY	NEOGENE	QUATERNARY	PLISTOCENE	1.6			
			PLIOCENE	5.3				
			MIOCENE					
			OLIGOCENE					
			EOCENE					
			PALEOCENE	57.6				
				66.4				
			UPPER	MAASTRICHTIAN	74.5 ± 2			
				CAMPANIAN	84.0 ± 2.3			
				SANTONIAN / CENOMANIAN	87.5 ± 2.3			
	TURONIAN	88.5 ± 1.3						
	CENOMANIAN	91 ± 1.3						
		97.5 ± 1.3						
MESOZOIC	CRETACEOUS	CAMPANIAN	ALBIAN	113 ± 2				
			APTIAN	119 ± 4.5				
			BARREMIAN	124 ± 4.5				
			HAUTERVIAN	131 ± 4				
			VALANGINIAN	138 ± 2.5				
			BERRIASIAN	144 ± 2.5				
			UPPER	TITHONIAN	152 ± 6			
				VOLGIAN	152 ± 3			
				KIMMERIDGIAN	156 ± 3			
				OXFORDIAN	163 ± 7.5			
MESOZOIC	JURASSIC	CALLOVIAN	BATHONIAN	169 ± 7.5				
			BAJOCIAN	178 ± 17				
			ALENIAN	183 ± 17				
			TOARCIC	187 ± 17				
			PLIENSCHACHIAN	193 ± 14				
			SINEMURIAN	198 ± 16				
			EARLY	HETTANGIAN	204 ± 9			
					208 ± 9			
			MESOZOIC	TRIASSIC	NORIAN	CARNIAN	225 ± 4	
						LADINIAN	230 ± 11	
ANISIAN	235 ± 5							
UPPER	CHANGHSINGIAN	240 ± 11						
		245 ± 10						
MESOZOIC	PERMIAN	ARTINSKIAN				ROADIAN	253 ± 10	
						ARTINSKIAN	258 ± 12	
						SAKMARIAN	263 ± 11	
						EARLY	WOLF-CAMPANIAN	268 ± 6
								280 ± 5
				ASSELIAN	286 ± 6			
			MESOZOIC	CARBONIFEROUS	PENNSYLVANIAN	STEPHANIAN	296 ± 5	
						MOSEVIC	306 ± 5	
						DESMONIAN	315 ± 10	
						ATOKAN		
WESTPHALIAN								
FRASERIAN								
SEMI-SERRAN								
SEMI-SERRAN								
SEMI-SERRAN								
SEMI-SERRAN								
MESOZOIC	MISSISSIPPIAN	VISEAN	TOURNAISIAN	333 ± 11				
			TOURNAISIAN	352 ± 4				
			TOURNAISIAN	360 ± 5				
			FRASNIAN	367 ± 6				
			FRASNIAN	374 ± 9				
			GIVETIAN	380 ± 9				
			COLEMANIAN	387 ± 14				
			EMBIAN	394 ± 11				
			PRAGIAN	401 ± 9				
			LOCHKOVIAN	408 ± 6				
MESOZOIC	DEVONIAN	GIBETIAN	PRUDLOI	414 ± 6				
			LUDFORDIAN	423 ± 4				
			HOMERIAN	428 ± 4				
			WENLOCK	428 ± 4				
			LANE	439 ± 6				
			DOVERY	444 ± 6				
			DOVERY	444 ± 6				
			DOVERY	444 ± 6				
			DOVERY	444 ± 6				
			DOVERY	444 ± 6				
MESOZOIC	SILURIAN	LUDFORDIAN	PRUDLOI	454 ± 5				
			WENLOCK	464 ± 10				
			LANE	470 ± 10				
			DOVERY	478 ± 10				
			DOVERY	485 ± 5				
			DOVERY	510 ± 10				
			DOVERY	523 ± 18				
			DOVERY	560 ± 10				
			DOVERY	570 ± 22				
			DOVERY	590 ± 10				
MESOZOIC	ORDOVICIAN	CHAMPLAINIAN	CHAZYAN	478 ± 10				
			WHITEROCKIAN	495 ± 5				
			ARENGIAN	510 ± 10				
			ARENGIAN	523 ± 18				
			ARENGIAN	560 ± 10				
			ARENGIAN	570 ± 22				
			ARENGIAN	590 ± 10				
			ARENGIAN	590 ± 10				
			ARENGIAN	590 ± 10				
			ARENGIAN	590 ± 10				
MESOZOIC	CAMBRIAN	TREMPEALEAUAN	FRANCONIAN	510 ± 10				
			DRESBACHIAN	523 ± 18				
			MIDDLE	560 ± 10				
			EARLY	570 ± 22				
			EARLY	590 ± 10				
			EARLY	590 ± 10				
			EARLY	590 ± 10				
			EARLY	590 ± 10				
			EARLY	590 ± 10				
			EARLY	590 ± 10				
MESOZOIC	EDUCABAN	TOMMOTIAN	560 ± 10					
			570 ± 22					
			590 ± 10					
			590 ± 10					
			590 ± 10					
			590 ± 10					
			590 ± 10					
			590 ± 10					
			590 ± 10					
			590 ± 10					

HUDSON PLATFORM	
MOOSE RIVER BASIN	
HUDSON BAY LOWLAND	
ALBANY RIVER, KENOGAMI RIVER	
10	
DR	KWATBOAGHEGAN ls. sil. in 0.04-0.8
DsR	STOOPING RIVER limestone, dolomite 0.45
DkR	upper member dolomite 0.12
SdKR	middle member evaporitic red shale, shales, sandstone, dolomite 1.23
SKR	lower member dolomite 0.38
SA	ATTAWAPISKAT reefal carbonates 0.0-0.6
SSR	SEVERN RIVER dolomite 0.6
SSR	SEVERN RIVER dolomite 0.45
OHHR	RED HEAD RAPIDS dolomite 0.3
OCR	CHURCHILL RIVER dolomite (bedrock, dolomite 0.3)
DCR	BAD CACHE RAPIDS ls. sil. 0.2-0.5

FACIES

Platform limestone
Dolomite
Bioherms
Shale, red. sandstone, mud

Group or supergroup KENOGAMI RIVER
Formation, member or intrusive body SEVERN RIVER
Thickness (hundreds of metres) 0.3

ABBREVIATIONS

dol dolomite ls limestone ss sandstone

CONVENTIONS

Within each correlation chart column, units are placed above one another to portray relationships among them. Space limitations may require lateral separation of related units, or placing units that are not in contact above one another. Where numerous units are included in a column and all relationships cannot be shown, first priority is given to stratigraphic (conformable, disconformable or unconformable) relationships. Second priority is given to intrusive contacts, many of which may also be inferred from the map.

Unit elements consist of, from left to right, all or some of:
1) a block indicating age and age range,
2) the name of a composite unit (e.g. a group, or a formation with members),
3) a block containing the map symbol and colour,
4) a block containing the lithological description and colour.

The top and bottom of each unit element portray relationships to units directly above and below.
The position and vertical extent of the left-hand block of the unit element indicates the best estimate of age and age range. A dot placed to the left of the block indicates an isotopic age or the best interpretation of isotopic data. Vertical arrows indicate possible age range or uncertainty in the isotopic age.

CONTACTS

Established
Conformable Contact
Nonconformity, angular unconformity

GEOLOGICAL TIME CHARTS

Phanerozoic time chart from: The Decade of North American Geology 1983 geological time scale, A.J. Palmer, compiler, Geology, 1983, v. 11, p. 503-504. Modified by data from: The Chronology of the Geological Record, N.J. Snelling, editor, The Geological Society, 1985, Memoir 10.

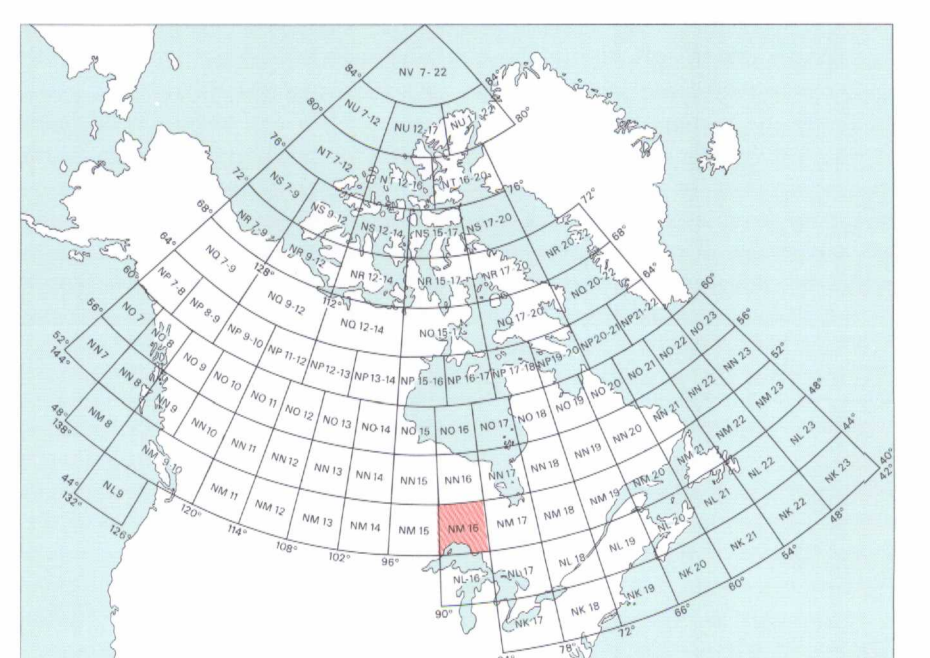
Prepared by B.V. Sanford and A.V. Okulitch
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Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8, 3003-33rd Street, N.W., Calgary, Alberta T2L 2A7, 100 West Pender Street, Vancouver, B.C. V6B 1R6

DYKE SWARMS
LAKE NIPIGON
ONTARIO-U.S.A.
GEOLOGICAL ATLAS, MAP NM-16-G
SHEET 4 OF 5
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Standard Parallels 48°40'N and 51°20'N
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