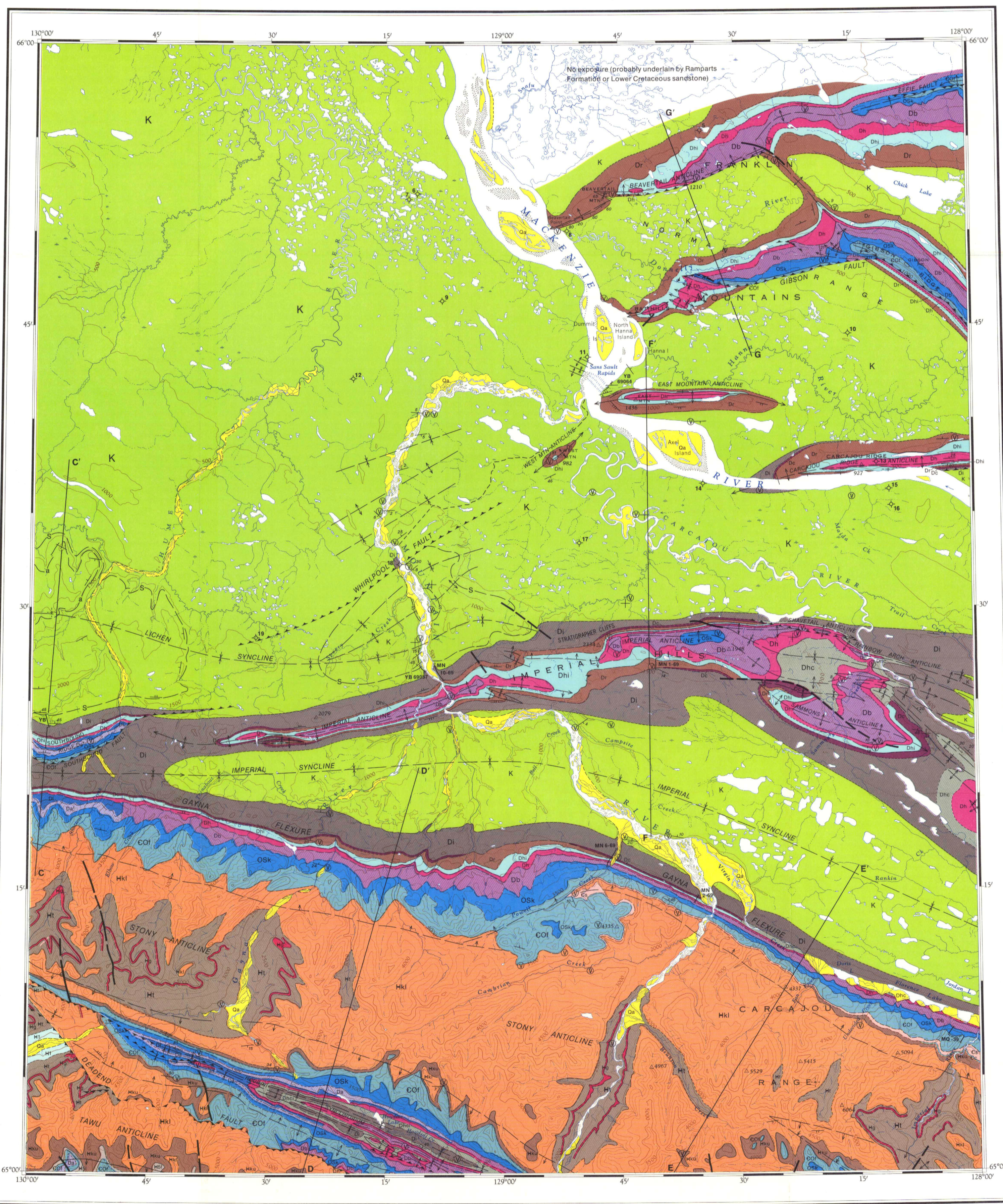


Diagrammatic cross-sections along C-C', D-D', E-E', F-F', G-G'
Horizontal scale 1:125,000

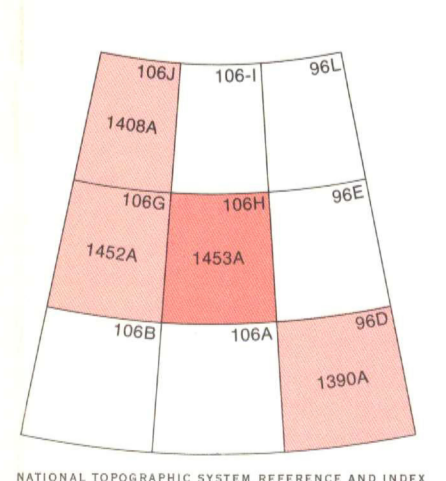


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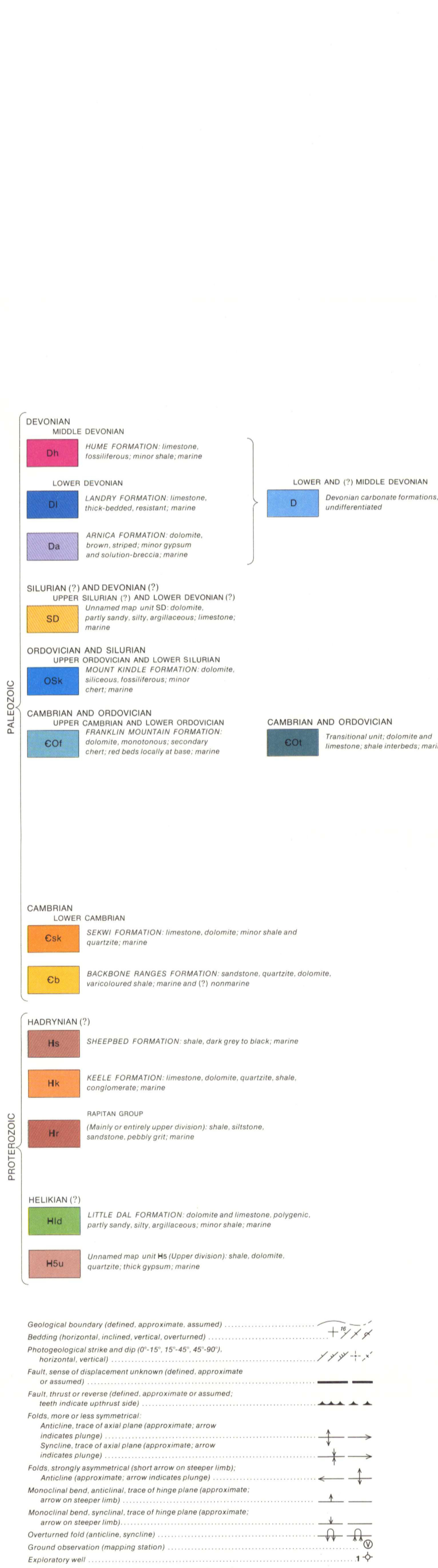
MAP 1453A
GEOLOGY
SANS SAULT RAPIDS
DISTRICT OF MACKENZIE

Scale 1:250,000
Kilometres 0 6 12 18
Miles 0 4 8

Transverse Mercator Projection
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SELWYN BASIN (south of Plateau Thrust) 1065 only



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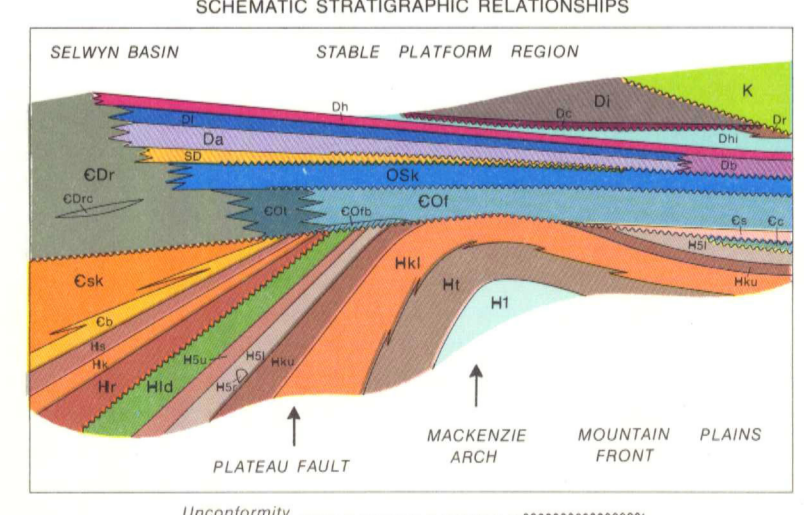
MAP 1453A
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Scale 1:250,000
Kilometres 0 6 12 18
Miles 0 4 8

Transverse Mercator Projection
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LEGEND

PERIOD	UNIT	DESCRIPTION	
QUATERNARY	Qa	Alluvium, largely gravel and sand	
	K	LOWER AND UPPER CRETACEOUS Undifferentiated to lower marine sequence of shale, siltstone and minor sandstone; deltaic (Rever Formation) is overlain by, and partly equivalent to, an upper roomier and (?) marine sequence of sandstone and shale (Trevor Formation in part). Stratigraphic markers S - local base of sandstone-bearing sequence, a - (b, c, etc.) base of any prominent sandstone unit	
MESOZOIC	DEVONIAN	UPPER DEVONIAN IMPERIAL FORMATION: shale, sandstone, marine	
		UPPER DEVONIAN CANDL FORMATION: shale, black, argillaceous, bituminous, marine	
	MIDDLE DEVONIAN RAMPARTS FORMATION: limestone, marine		
	MIDDLE DEVONIAN HARE INDIAN FORMATION: shale, greenish-grey, black at base, minor siltstone and limestone, marine		
	MIDDLE DEVONIAN HUME FORMATION: limestone, fossiliferous, minor shale, marine		
	LOWER DEVONIAN LANDRY FORMATION: limestone, thick-bedded, resistant, marine		
	LOWER DEVONIAN ARVICA FORMATION: dolomite, brown, striped, minor gypsum and solution-breccia, marine		
	LOWER DEVONIAN BEAR ROCK FORMATION: dolomite, bituminous, gypsum, solution-breccia, marine		
	PALEOZOIC	SILURIAN (?) AND DEVONIAN (?)	UPPER SILURIAN (?) AND LOWER DEVONIAN (?) Unnamed map unit SD: dolomite, partly sandy, silty, argillaceous, limestone, siliceous, fossiliferous, minor chert, marine
			ORDOVICIAN AND SILURIAN UPPER ORDOVICIAN AND LOWER SILURIAN MOUNT KENZIE FORMATION: dolomite, siliceous, fossiliferous, minor chert, marine
CAMBRIAN AND ORDOVICIAN		UPPER CAMBRIAN AND LOWER ORDOVICIAN FRANKLIN MOUNTAIN FORMATION: dolomite, monotonous, secondary chert, red beds locally at base, marine	
		TRANSITIONAL UNIT CAMBRIAN AND ORDOVICIAN Transitional unit, dolomite and limestone, shale interbeds, marine	
CAMBRIAN	UPPER CAMBRIAN SALINE RIVER FORMATION: red beds, shale, siltstone, sandstone, salt, gypsum, argillaceous, dolomite, marine		
	LOWER AND MIDDLE CAMBRIAN MOUNT CAP FORMATION: shale, thin-bedded limestone, glauconitic sandstone, siltstone, marine		
	TRANSITIONAL UNIT CAMBRIAN AND ORDOVICIAN Transitional unit, dolomite and limestone, shale interbeds, marine		
PROTEROZOIC	HELIKIAN (?)	Hs Basic intrusions, dykes and sills of gabbro, greenish-black, medium-grained	
		Hid LITTLE DAL FORMATION: dolomite and limestone, polygenic, partly sandy, silty, argillaceous, minor shale, marine	
	HADRNYIAN (?)	Hs SHEEPBED FORMATION: shale, dark grey to black, marine	
		Hk KEELE FORMATION: limestone, dolomite, quartzite, shale, conglomerate, marine	
	HARTAN GROUP	Hr (Mainly or entirely upper division) shale, siltstone, sandstone, pebbly grey, marine	
		Hid Unnamed map unit Hs (Upper division) shale, dolomite, quartzite, thick gypsum, marine	
	KATHERINE GROUP	Ku Upper division: shale, dolomite, quartzite, thin gypsum, marine	
		Kl Lower division: limestone, commonly nodular, shale, dark grey, red, dolomite, polygenic, quartzite, sandstone, minor shale and dolomite, marine and (?) normarine	
	TSEOTZENE FORMATION	Ht Upper division: quartzite, dolomite, shale, marine and (?) normarine	
		Ht Lower division: mainly quartzite, minor shale and dolomite, marine and (?) normarine	
H1	H1 Unnamed map unit H1: dolomite, minor chert, marine		
	H1 Unnamed map unit H1: dolomite, minor chert, marine		



Geological cartography by G.S. Whitman, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada
Base map at the same scale published by the Survey and Mapping Branch in 1959 and 1960
Copies of the topographic edition of this map may be obtained from the Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0G8
Magnetic declination 1977 varies from 37° 16' 2" easterly at centre of west edge to 37° 39' easterly at centre of east edge. Mean annual change 4.9 westerly
Elevations in feet above mean sea level
New approved topographic names relevant to the geology have been added to the base of the Institute of Sedimentary and Petroleum Geology