



INVESTIGATION AND DOCUMENTATION OF THE NEOTECTONIC RECORD OF PRINCE EDWARD COUNTY, ONTARIO

MAP 1, SURFICIAL GEOLOGY AND NEOTECTONIC FEATURES

Metres 500 0 500 1000 1500 2000 Metres

LEGEND

SURFICIAL MATERIALS		
QUATERNARY Pleistocene Recent	10 NONGLACIAL ENVIRONMENT ORGANIC DEPOSITS: peat, muck	
	9 FLUVIAL DEPOSITS: medium sand	
	PROGLACIAL AND GLACIAL ENVIRONMENT	
	GLACIOLACUSTRINE DEPOSITS: sorted sediments deposited in proglacial lakes or glacial or glaciofluvial sediments modified by lacustrine processes	
	8 Beach or shore sediments: gravel and gravelly-sand deposited along shore of proglacial lake	
	7 Nearshore sediments: sand deposited in shallow water of proglacial lake	
	6 Offshore sediments: silt and clay rhythmites deposited in deep water of proglacial lake	
	GLACIOFLUVIAL DEPOSITS: sorted sediments deposited by meltwater streams flowing in, around, or near a glacier	
	5 Proglacial sediments: medium to coarse sand deposited as outwash by subaerial streams flowing away from glacier	
	4a,b Ice-contact stratified sediments: sand and gravelly sand deposited by meltwater streams in contact with a glacier b: subglacial sediments a: englacial sediments	
GLACIAL ENVIRONMENT		
TILL: poorly sorted sediment deposited by glacier ice		
3 Till: stony till, sand-silt matrix, contains Precambrian clasts greater than 0.8 m diameter		
2 Till: clay-silt till, contains small clasts		
PALEOZOIC	1a,b,c BEDROCK: limestone of Lindsay and Verulam Formations of Middle Ordovician age c: bedrock sculpted by glacial meltwater b: bedrock covered by 0.25-1.0 m of surficial sediment a: bedrock covered by less than 0.25 m of surficial sediment	

- Geological boundary (defined, approximate)
- Bedrock scarp
- East/West bedrock rise
- Linear bedrock depression
- Linear bedrock feature, positive relief
- Orientation of bedrock crevasse
 open to surface
 sediment filled
 lodged boulder
- Orientation of waved bedrock topography
- Orientation of bedrock fracture
- Glacial striae
- Glacial flute
- Direction of high meltwater discharge
- Direction of paleocurrent
- Disturbed sediments

Geology by G.A. Gorrell, 1987

Additional information obtained from Leyland, 1982

Magnetic declination, 1965, 08°48'W

Reference: Leyland, J.G., 1982, Quaternary geology of the Wellington area, Southern Ontario; Ontario Geological Survey, Map P2541, Geological Series, Preliminary Map, Scale 1:50 000.

Base maps: Maps 30N/14a, b, g, h of the National Topographic Series

Aerial photographs: Ontario Ministry of Natural Resources, Toronto and National Airphoto Library, Ottawa