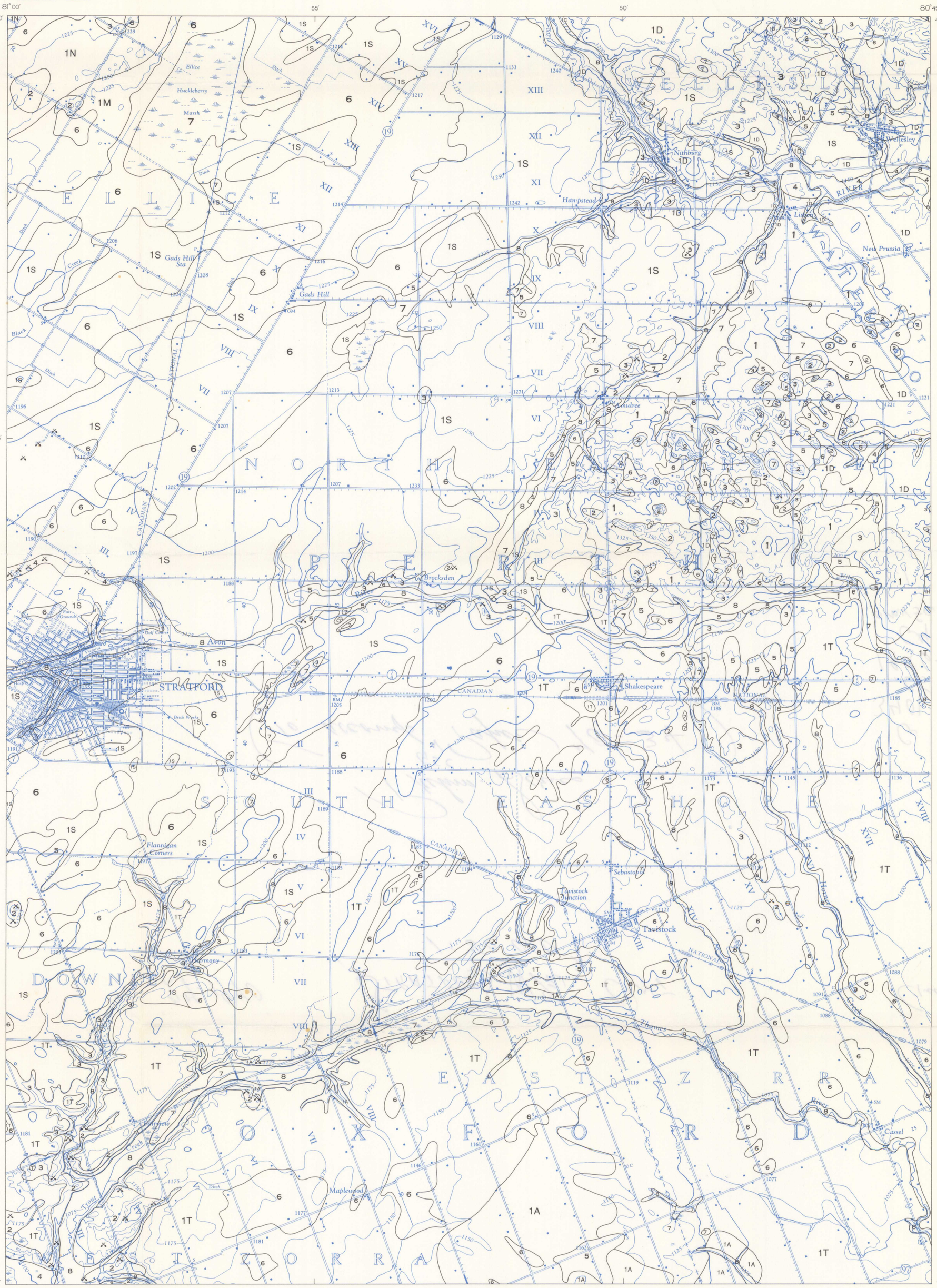
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES



LEGEND

PLEISTOCENE
RECENT

8	Recent and modern stream alluvium; gravel, sand, silt, clay

WISCONSINAN

7	Bog and swamp deposits: peat, muck, and marl
6	Lacustrine, silt and clay
5	Outwash sand: well sorted, fine to coarse texture
4	Outwash gravel: well sorted, fine to medium texture
3	Kame sand: poorly to well sorted, fine to coarse texture
2	Kame gravel: poorly to well sorted, fine to coarse texture
1	Till, undifferentiated: silty to clayey west of Kitchener in Waterloo moraine; silty to sandy in Easthope moraine northwest of New Hamburg 1A. Catfish Creek Till: sandy to silty stony till 1C. Gritty, clayey silt till 1D. Silty clay till 1H. Clay till 1M. Clay till 1N. Silty to sandy till 1P. Silty to clayey till 1S. Sandy silt till 1T. Gritty silt till 1W. Sandy to silty till

Till sequence as presently known

Southwest quadrant	Northwest quadrant	Northeast quadrant	Southeast quadrant
N	N	W	W
M	D	C	P
S	C	P	A
T	B	A	
H	A		
A			

Pre-Catfish Creek Tills

Sand or gravel pit, active or inactive . . . . . ×
Deposits less than three feet thick are not shown on this map

ADDITIONAL SOURCES OF INFORMATION

Bedrock geology: J. F. Caley, 1941, Paleozoic geology of the Brantford area, Ontario; Geol. Surv. Can. Mem. 226
Physiography: L. J. Chapman, and D. F. Putnam, 1966, The physiography of southern Ontario; Ontario Research Foundation
Soils: reports of Ontario soil survey for Oxford, Wellington, Waterloo, and Perth counties
Air photos: National Air Photo Library, Ottawa, Ontario; Ontario Dept. of Lands and Forests, Downsview, Ontario

Geology by P. F. Karrow 1965-1968

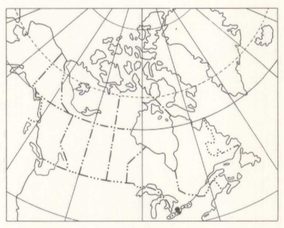
To accompany GSC Paper 70-34 by P. F. Karrow

Geological cartography by the Geological Survey of Canada

Base-map at the same scale published by the Army Survey Establishment, R. C. E. 1955

Approximate magnetic declination 1970, 06° 37' West, increasing 1.4' annually

Elevations in feet above mean sea-level



INDEX MAP

MAP 27-1970
PAPER 70-34

GEOLOGY

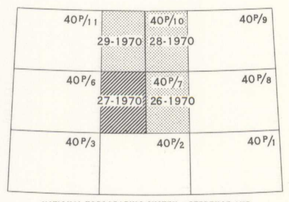
STRATFORD

(West Half)

ONTARIO

Scale 1:50,000

Miles 1 0 1 2 Miles
Metres 1000 0 1000 2000 3000 Metres



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

STRATFORD
ONTARIO

GEOLOGICAL SURVEY
JUL 28 1971
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