



TOPOGRAPHIC MAP COVERAGE OF CANADA, OCTOBER 1970

In addition to the scales shown, map coverage is available for all Canada at the following scales:

SCALE	NUMBER OF SHEETS	SHEET COVERAGE	
		Latitude	Longitude
1:250,000 (3.95 miles to 1 inch)	918	1°	2°
1:500,000 (7.90 miles to 1 inch)	219	2°	4°
1:1,000,000 (15.80 miles to 1 inch)	65	4°	8°

The sheet coverage given above is for sheets south of 68° North Latitude for the 1:250,000 scale, south of 64° North Latitude for the 1:500,000 scale and south of 62° North Latitude for the 1:1,000,000 scale. North of these parallels the convergence of meridians would result in narrow map sheets if the standard coverage were retained. Therefore the longitudinal coverage (east-west dimension) is extended to produce sheets of more convenient size.

The 1:500,000 and 1:1,000,000 series of the National Topographic System are designed as base maps for aeronautical charts and therefore do not show the amount of detail that would be expected on a topographic map. The International Map of the World at the scale of 1:1,000,000, shows as much topographic detail as scale permits.

All topographic maps at scales of 1:250,000 and larger are based on the Universal Transverse Mercator Projection with 6 degree zones. The 1:500,000 series is drawn on a Transverse Mercator Projection using 8 degree zones. The National Topographic System 1:1,000,000 series, and the Canadian maps of the International Map of the World at 1:1,000,000 are drawn on the Lambert Conformal Conic Projection with standard parallels lying 40 minutes inside the north and south boundaries of each sheet. All Canadian maps are calculated on the Clarke Reference Spheroid of 1866.

All of Canada is covered by vertical air photography of cartographic quality. Many areas have been photographed at a variety of scales, and at different dates ranging back to 1920. Index maps of all series are available, free on request, from the Map Distribution Office, Surveys and Mapping Branch, Ottawa.