



SUPPLEMENTAL TECHNICAL INSTRUCTIONS	Supplement Number	Date Issued
	94-8	10/3/94

National Mapping Division

SUBJECT

Portrayal of Canadian Areas on National Mapping Program Products

BACKGROUND

This STI supersedes STI 94-1-C Portrayal of Canadian Areas on National Mapping Program Map Products.

Standard practice for compiling and revising National Mapping Program (NMP) topographic quadrangles that include portions of Canada has been to map Canadian features to complete coverage to the quadrangle neatline. It is National Mapping Division policy to exclude any Canadian information from digital line graph files prepared for the corresponding quadrangle area.

An exception to the practice of completing feature coverage for Canada was authorized to expedite completion of planimetric editions of 1:100,000-scale maps needed to collect hydrography and transportation digital line graphs in support of the Bureau of the Census of the 1990 Census of Population. These planimetric edition maps are being revised and converted to topographic editions, including the addition of Canadian content.

The principal methods employed to map the Canadian portion are: (1) direct compilation from U.S. Geological Survey (USGS) source materials, (2) rescribing of information copied from Canadian source materials, and (3) direct photographic copying, including reduction in scale of Canadian materials. Method selection is based on the extent of the Canadian area to be mapped and the availability of Canadian materials.

The Canadian government has requested the application of a copyright note on USGS maps when Canadian source materials are used indirectly or directly for Canadian content. This request raised issues related to the distribution of map separation materials and potential impact on the USGS map dealer sales network. A request for guidance was sent to the Department of Interior's solicitor, who confirmed that use of the copyright note is appropriate.

The name of the Canadian government agency responsible for supplying the maps and digital data for Canadian portions of USGS maps has recently been changed from Energy, Mines, and Resources Canada to Natural Resources Canada. This STI shows the correct references for the source and copyright notes.

INSTRUCTIONS

Compile features for the Canadian portion, separate Canadian content, and apply the Canadian copyright note on NMP map products, according to the following instructions:

Primary Series Maps

Compile Canadian content from USGS sources if compilation is possible without acquiring additional source (i.e., existing orthophotos or other sources cover the entire over-border area), (2) additional control is not required, (3) there is no requirement to do field work in Canada, and (4) compiled information will meet accuracy and content standards applicable to the United States portion of the quadrangle. Combine map features in Canada with U.S. content; do not apply the Canadian copyright note.

If direct compilation of Canadian content is not possible, given the above conditions, rescribe Canadian content from Canadian materials to USGS specifications, but keep separate from U.S. content. Add the Canadian source and copyright notes shown below with other credit notes in the lower left corner of the quadrangle, between the "methods" and "projection/datum" notes. If space is not available, place the note below the declination diagram, or elsewhere in the bottom margin of the map collar as space permits.

Map edited 19__ . Canadian portion copied from Natural Resources Canada, 1:50,000-scale topographic map(s) dated 19__

Canadian portions of this map © by Her Majesty the Queen in Right of Canada, and may not be reproduced or redistributed without express consent of Natural Resources Canada, 4th Floor, 615 Booth Street, Ottawa, Ontario, K1A 0E9

In the future, Canadian content will be generated from digital data supplied by Canada. When this procedure is used, replace the source note shown above with:

Map edited 19__ . Canadian portion produced from Natural Resources Canada digital data, dated 19__

1:100,000-Scale Quadrangle Maps

For each 1:50,000-scale, 15- by 30-minute Canadian source map, obtain the following film negatives from Natural Resources Canada: (1) one composite of all map separates, excluding vegetation and water tint, using standard Canadian screens/patterns, and (2) one unscreened duplicate the water-tint separate.

Photomechanically reduce negatives to existing 1:100,000-scale projection to produce left-reading, clear film positives. Prepare emulsion-up mosaics from reduced composite and water-tint films. Generate right-reading negatives from each mosaic; retouch as necessary to eliminate mosaic lines. Composite both mosaic negatives, using duplicating film with water tint screened 8 percent at 105 degrees separately from U.S. content, to produce a final reproduction black negative for printing.

When digital data is available from Canada for the entire Canadian area shown on a 1:100,000-scale quadrangle map, generate the Canadian content from these data. If digital data is not available for the entire Canadian portion, use the photomechanical method described above.

Add the source and copyright notes shown above to the side panel between the "methods" and "projections/datum" note.

1:250,000-Scale Quadrangle Maps and Other Map Products

Use of Canadian and domestic source material at 1:250,000-scale for direct incorporation into the quadrangle is being investigated. This MI will be revised when the procedure is defined.

Canadian Materials Distribution Policy

Do not sell materials obtained from Canada, or NMP map separation materials produced directly or indirectly from Canadian materials. Refer requestors to Natural Resources Canada for Canadian information.

Other Information

Do not digitize Canadian content when collecting digital line graph data, or when revising data and map products. Do not archive Canadian digital data used in product generation.

On maps at all scales with the contour interval in meters or feet for both the U.S. and Canada, use the notes below for:

Same interval and same units in U.S. and Canada:

CONTOUR INTERVAL XX METERS (FEET)

ELEVATIONS SHOWN TO THE NEAREST METER (FOOT)

Do not repeat the information for each country.

Different interval and same units in U.S. and Canada

CONTOUR INTERVAL XX METERS (FEET) IN UNITED STATES

CONTOUR INTERVAL YY METERS (FEET) IN CANADA

ELEVATIONS SHOWN TO THE NEAREST METER (FOOT)

The side panel cover for 1:100,000-scale maps, first bullet, will use the wording "Contours and elevations in meters."

On maps with the contour interval in different units in the U.S. and Canada, use the notes below:

CONTOUR INTERVAL XX METERS (FEET) IN UNITED STATES

CONTOUR INTERVAL YY FEET (METERS) IN CANADA

ELEVATIONS SHOWN TO THE NEAREST METER (FOOT) IN UNITED STATES
ELEVATIONS SHOWN TO THE NEAREST FOOT (METER) IN CANADA

For 1:100,000-scale quadrangle maps, the side panel cover, first bullet, will use the wording "Contours and elevations," with no reference to units. The Sherbrooke, New Hampshire-Maine-Vermont-Quebec, is an example of the above.

Use the following accuracy statement when the Canadian content is taken directly or indirectly from Canadian materials:

THE UNITED STATES PORTION OF THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Use the standard accuracy statement for maps with the Canadian portion compiled from USGS sources.

APPLIES TO

All National Mapping Program map products portraying a portion of Canada.

ISSUED TO

Standard distribution of NMD Technical Instructions

APPROVED BY

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2 Attachments

cc: Chief, NMD
USFS (2)
Census

ADC/RES
TVA
PO-2

ADC/PBA
NIMA
ADC/IS

ADC/CR
PTS-2
MPO

Mexico
Canada (Sherbrooke)
Canada (Ottawa)