

McQUESTEN YUKON TERRITORY 115 P Scale 1:50,000 Contour Interval 500 Feet Elevations in Feet above Mean Sea Level North American Transverse Mercator Projection Universal Transverse Mercator Grid Zone 8

GEOPROCESS FILE SUMMARY REPORT NGDSTERRM MAP AREA - NTS 115P

INTRODUCTION The GEOPROCESS File is a compilation of information and knowledge on geological processes and terrain hazards... This map is intended as a preliminary guide for which the user should consult the appropriate references...

Subsidence Geology Recent work by Bond (1997) in this area provides an updated geological history of the early glacial and post-glacial... This map area includes the following information...

Permafrost There are six recorded seismic events within the map area... To be thorough, check the references for adjacent NTS map sheets and the General Reference List (See User Guide).

Most of the following references should be available for viewing in the DIAND library on the floor of the British Building in Whitehorse... The main source of information for the terrain hazards is derived from surficial geology and geomorphology maps of Thomas and Rampion (1982) and an adjoining map by Bond (1997)...

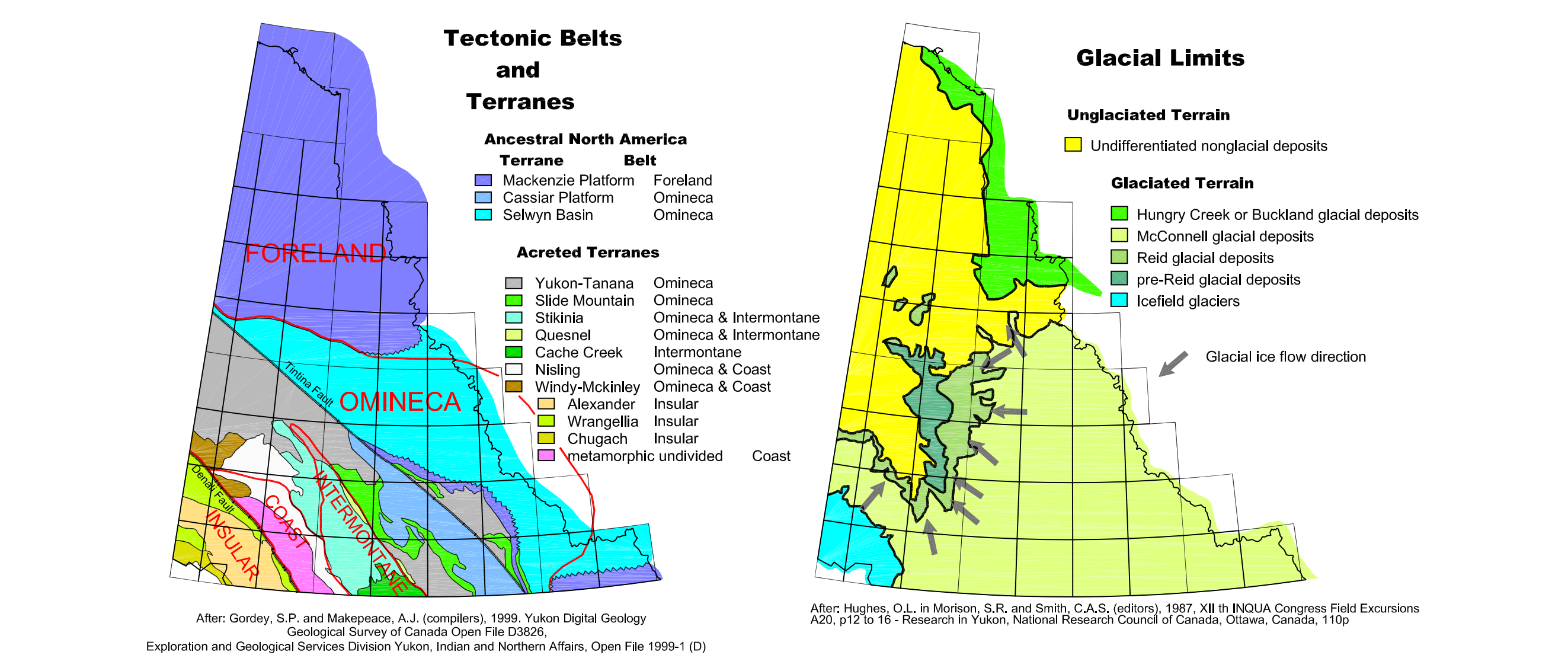
Back to the southwest of the map area is dominated by pre-200-million year old sedimentary, volcanic and igneous rocks of the Yukon Craton... Main Movement Processes The main source of information for the terrain hazards is derived from surficial geology and geomorphology maps of Thomas and Rampion (1982) and an adjoining map by Bond (1997)...

NOTE: A new digital compilation of Yukon Geology is now available by Steve Gortney and Andrew MacIsaac (GSC Open File 63026 and/or DIAND Open File 1999-100) and more recent MNR/ML updates should also be verified (Yukon MINFILE, 2001).

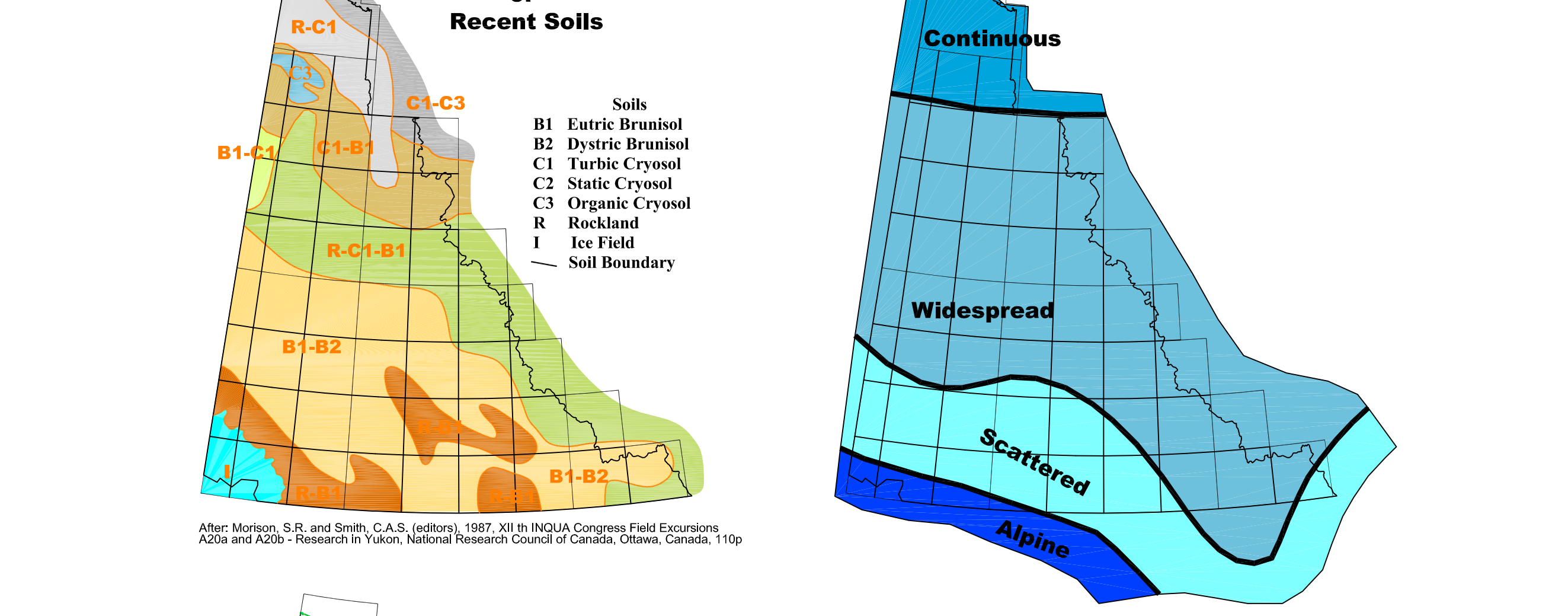
LEGEND

Legend table with columns for Legend Terrain Hazards, Legend Geological Processes, and Inferred Hazards. Includes symbols for mass movement, fluid processes, seismic events, and faults.

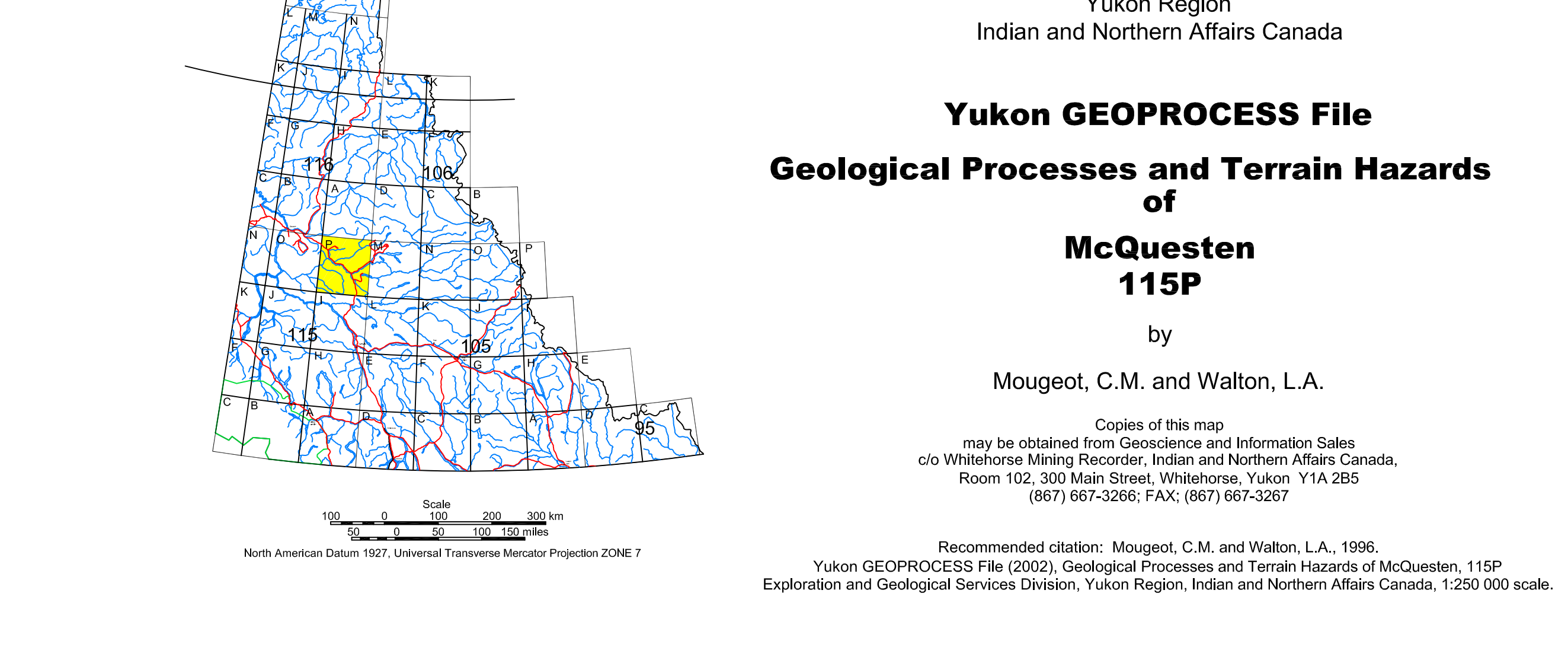
NOTE: Where areas have more than one identified process or hazard, the colour of the encompassing polygon is assigned based on a hierarchical scheme relating to the severity of the hazard. The relative order of severity is: Terrain Hazards (Mass Movement Processes then Fluid Processes then Arcic, Alpine and Periglacial Processes) followed by Geological Processes.



After: Gortney, S.P. and MacIsaac, A.J. (eds.), 1995. Yukon Digital Geology. Geological Survey of Canada Open File 63026. Open File 1999-100. After: Hughes, O.L., in Morton, S.R. and Smith, C.A.S. (eds.), 1987. X8 in INQUA Congress Field Excursion A20, p.12 to 16. Research in Yukon. National Research Council of Canada, Ottawa, Canada, 110p.



After: Morton, S.R. and Smith, C.A.S. (eds.), 1987. X8 in INQUA Congress Field Excursion A20, p.12 to 16. Research in Yukon. National Research Council of Canada, Ottawa, Canada, 110p.



After: Brown, R.J.E., 1978. Permafrost: Plate 32. Hydrological Atlas of Canada. Fisheries and Environment, Canada, 34 plates.

Exploration and Geological Services Division Yukon Region Indian and Northern Affairs Canada Yukon GEOPROCESS File Geological Processes and Terrain Hazards of McQuesten 115P by Mougout, C.M. and Walton, L.A.

Copies of this map may be obtained from Geoscience and Information Services c/o Whitehorse Mining Recorder, Indian and Northern Affairs Canada, Room 102, 300 Main Street, Whitehorse, Yukon Y1A 2B5 (867) 667-3268; FAX: (867) 667-3267. Recommended citation: Mougout, C.M. and Walton, L.A., 1998. Yukon GEOPROCESS File (2002). Geological Processes and Terrain Hazards of McQuesten, 115P. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, 1:250 000 scale.