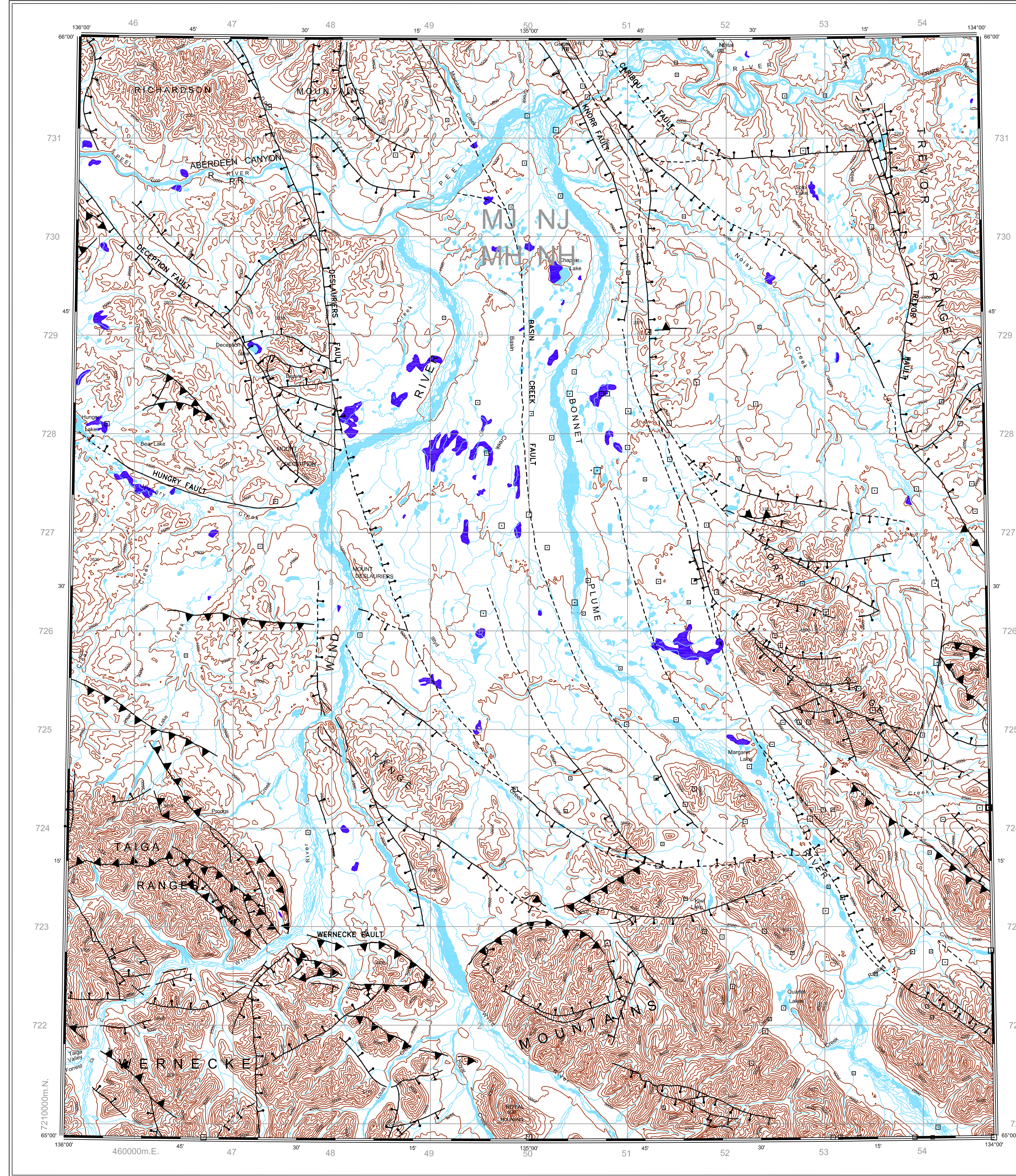
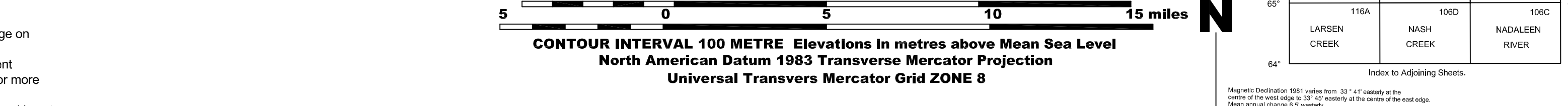


NATIONAL TOPOGRAPHIC SERIES D.I.A.N.D. N.A.P. LAND RESOURCES CANADA SHEET 106E



NOTE: This map is based on a preliminary guide for which the Department of Indian Affairs and Northern Development has accepted responsibility for 1:50,000 scale maps.

WIND RIVER MAP AREA - NTS 106E



Geoprocess File - Summary Report

Introduction: The Geoprocess File is a compilation of information and knowledge on geological processes and terrain hazards...

Bedrock Geology: The Wind River map area is entirely within the Foreland Belt. The Richardson and Wernecke mountains domains in the northwest and southern regions of the map area, respectively...

Mineral Deposits and Occurrences: Yukon MINFILE lists 40 prospects for the Wind River map area. Approximately 20 are uranium-uranium deposits...

Permafrost: This area lies within the extensive discontinuous permafrost zone (Hogbottom and Ratzburg, 1992). There is low to moderate ice content in moraine and colluvial deposits...

Flooding: There is no information available on flooding. The braided nature of the Bonnet Plume and Little Wind Rivers suggests seasonal flooding in the lower reaches and interchannel areas of the valley floor.

References: Wind River Map Area - NTS 106E

Most of the following references should be available for viewing in the DIAND library on the third floor of the Elsie Smith building in Whitehorse.

Abbott, J.G., 1990. Geology of the Mt. Westman map area (10R011). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1990-1.

NOTE: A new digital compilation of Yukon Geology is now available by Steve Gordley and Andrew Makarewicz (GSC Open File D3826 and/or DIAND Open File 1999-10D) and more recent MINFILE updates should also be verified (Yukon MINFILE, 2001).

Canadian Earthquake Epicentre File: Maintained by the Geological Survey of Canada, Geology Division.

Cockle, M.P., 1982. The lower Paleozoic Misty Creek embayment, Selkyn Basin, Yukon and Northwest Territories. Geological Survey of Canada, Bulletin 335, 78 p.

Cullingham, O. and Hope, D., 1979. Report - reserves and grade of coal in the Bonnet Plume basin, Yukon Territory. Pan Ocean Oil Ltd., Bonnet Plume Project, Pan Ocean Report No. 25-79, 2 volumes, (NTS 106E, Economic Development Library call number DC 553.24 P4N).

Cullingham, O.R., 1980. Report on geology and exploration of the Bonnet Plume Basin, Yukon Territory. Pan Ocean Oil Ltd., Bonnet Plume Project, Pan Ocean Report 1-80, (NTS 106E, Economic Development Library call number DC 553.24 P4N).

Delaney, G.D., 1978. Stratigraphic Investigations of the Invermest succession of Proterozoic rocks, northern Wernecke Mountains, Yukon Territory. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1978-10, (NTS 106E, 106F, 106G, 106H, 106I, 106J).

Delaney, G.D., 1981. The mid-Proterozoic Wernecke Supergroup, Wernecke Mountains, Yukon Territory. In: Campbell, F.H.A. (ed.), Proterozoic Basins of Canada. Geological Survey of Canada, Paper 81-10, p. 1-23.

Dixon, J., 1992. A review of Crustaceous and Tertiary stratigraphy in the northern Yukon and adjacent Northwest Territories. Geological Survey of Canada, Paper 92-9, 79 p. (NTS 106E, 106F, 106G, 106H, 106I, 106J, 116AK, 116BN, 116C, 116D).

Elisbacher, G.H., 1978. Two major Proterozoic unconformities, Northern Cordillera. In: Current Research, Paper 78-1A, Geological Survey of Canada, p. 53-58.

Gardiner, H. and Yorath, C.J. (eds), 1991. Geology of the Cordillera Orogen in Canada. Geological Survey of Canada, Paper 91-1G, (Contains summary of Yukon geology).

Geological Survey of Canada, Regional Stream Sediment and Water Geochemical Reconnaissance Data - NTS 106E, parts of 106C, 106E, 106F, Geological Survey of Canada, Open File 2475.

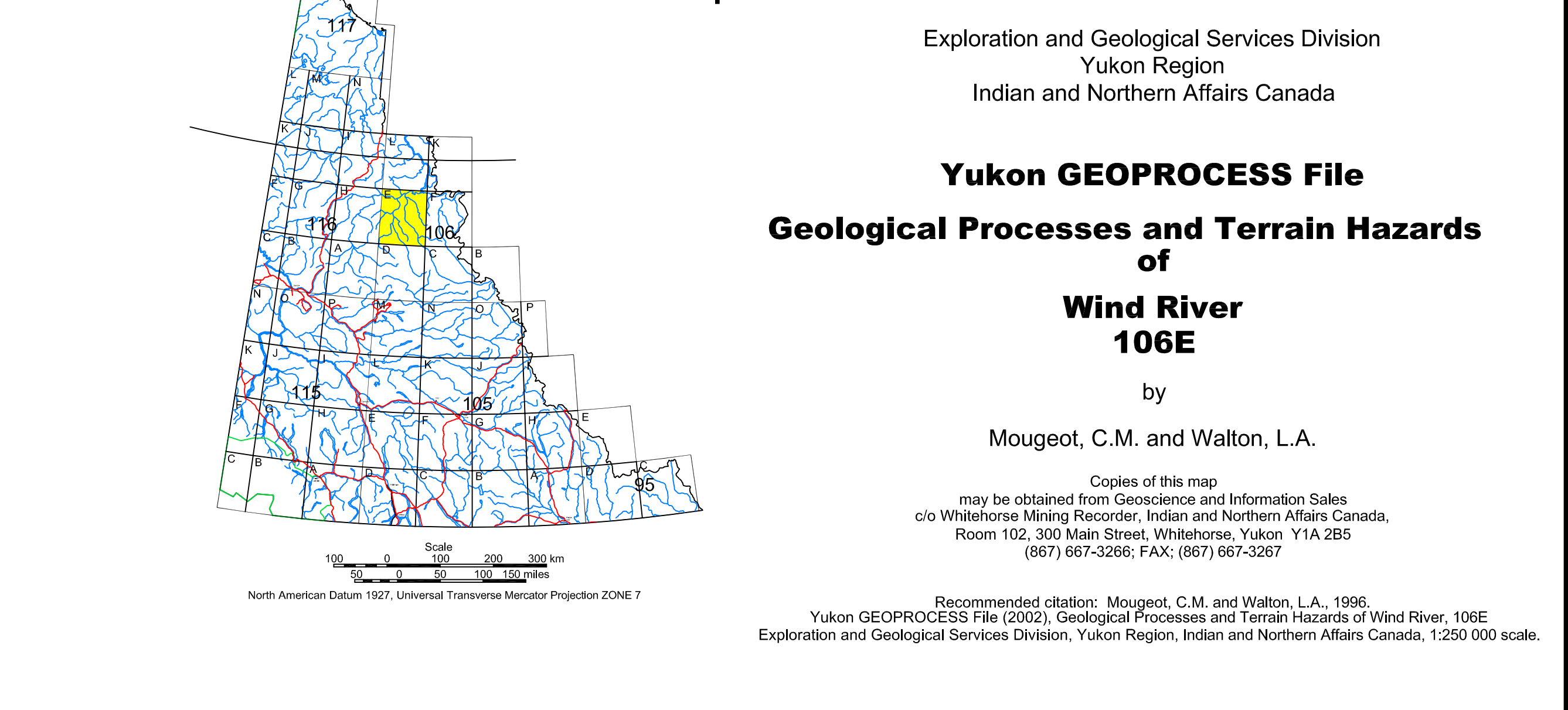
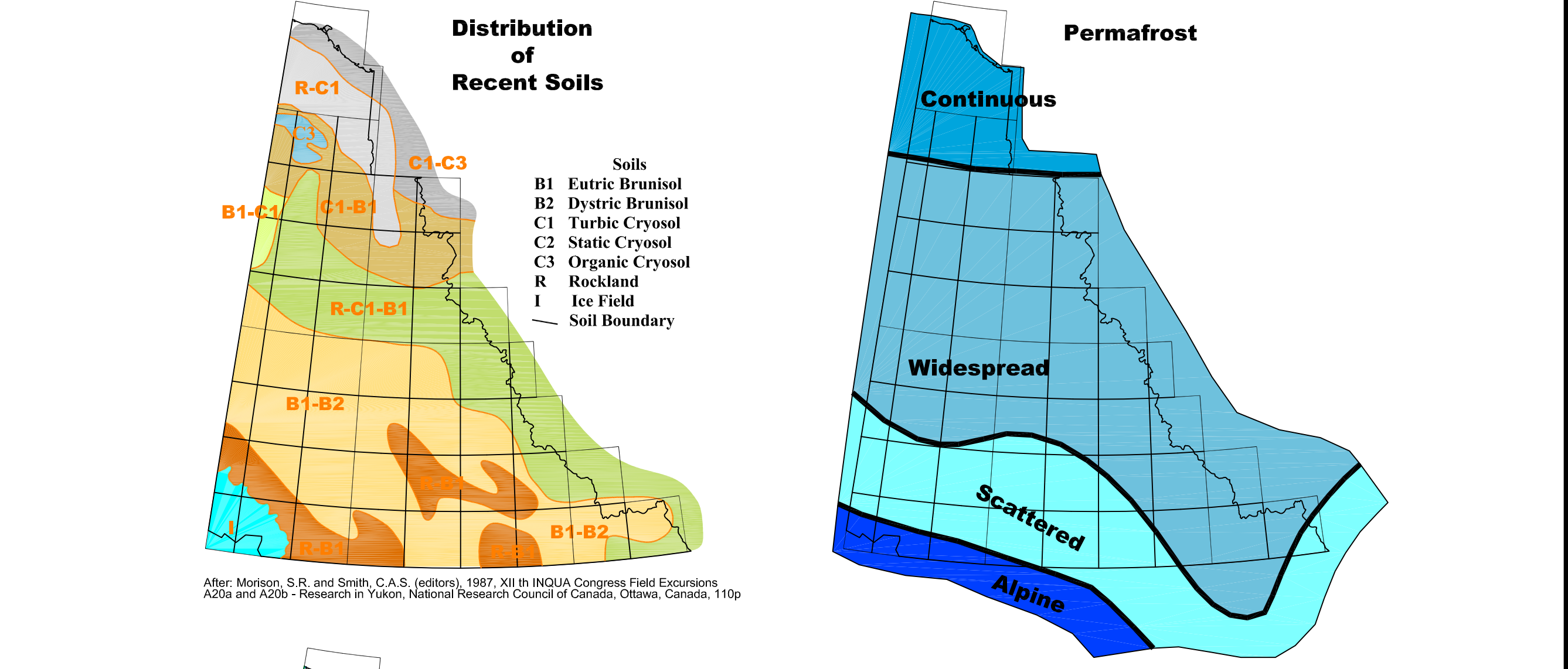
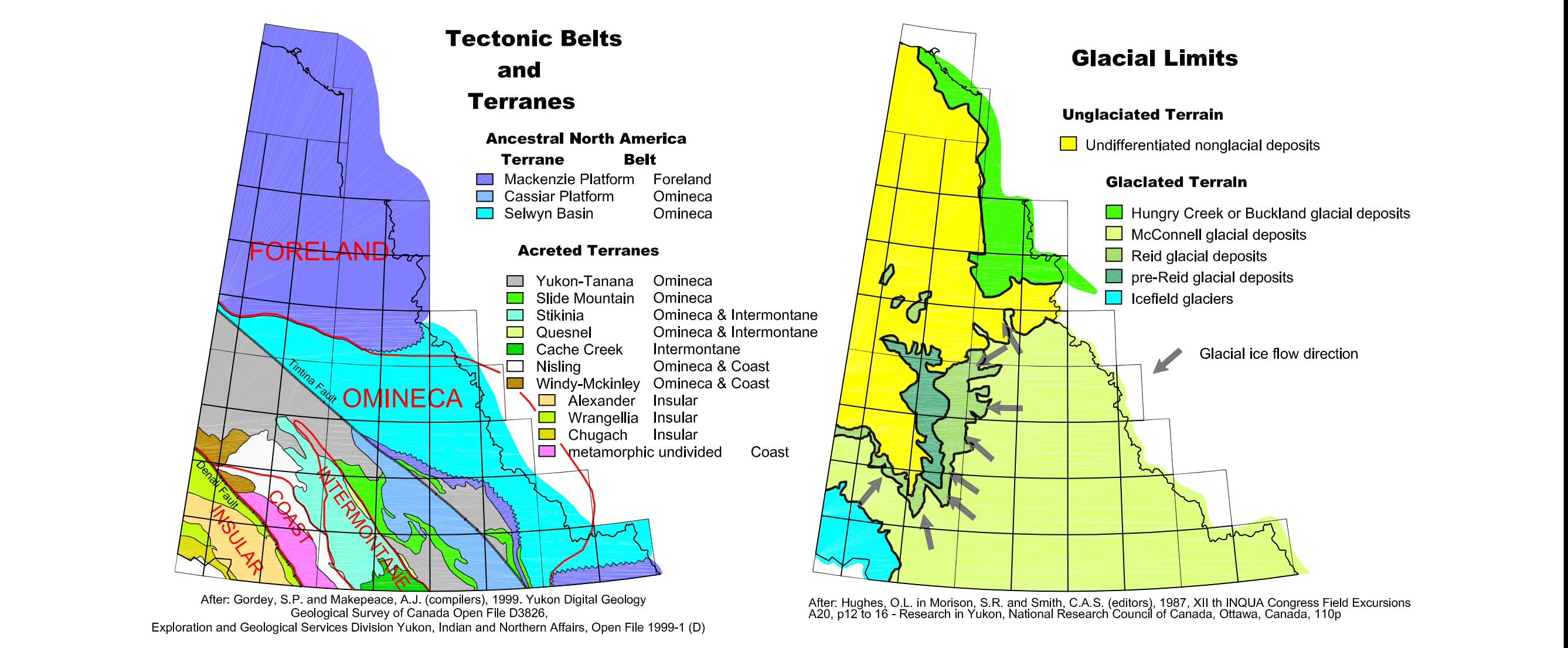
Hogbottom, J.A. and Ratzburg, L.K. (comps.), 1992. Permafrost and ground ice conditions in northwestern Canada. Geological Survey of Canada, Map 1591A, scale 1:500,000, (NTS 106E, 106F, 106G, 106H, 106I, 106J, 116A, 116B, 116C).

Hughes, O.L., 1971. Northern Yukon Territory and northwestern District of Mackenzie. Geological Survey of Canada, Map 1319A, 1:500,000 scale, (NTS 106E, 106F, 106G, 106H, 106I, 106J, 116A, 116B, 116C, 116D, 116E, 116F, 116G, 116H, 116I, 116J).

LEGEND

Legend table with columns for Hazard Type, Risk Level, Description, and Symbol. Includes sections for Terrain Hazards, Geological Processes, Seismic Events, and Other Features.

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.



Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada. Yukon GEOPROCESS File, Geological Processes and Terrain Hazards of Wind River 106E by Mougeot, C.M. and Walton, L.A.

Copies of this map may be obtained from Geoscientific and Information Services, Indian and Northern Affairs Canada, Room 102, 300 Main Street, Whitehorse, Yukon Y1A 2B5.