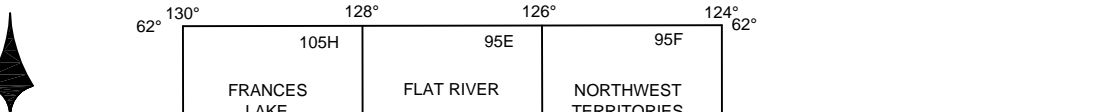
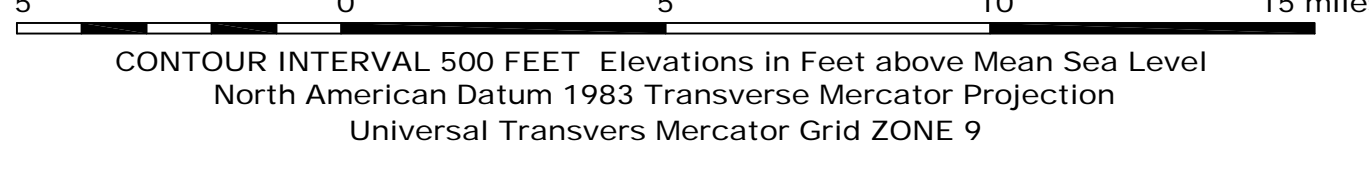


NOTE: THIS MAP HAS BEEN PRODUCED BY THE COAL RIVER AREA FROM AVAILABLE SOURCES. IT IS NOT TO BE USED TO DEFINE LEGAL BOUNDARIES.

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

COAL RIVER MAP AREA - NTS 95D



BRITISH COLUMBIA

Scale 1:50,000

Coal River Map Area - NTS 95D

References

List of references including geological surveys, maps, and scientific papers related to the Coal River area.

GEOPROCESS FILE - SUMMARY REPORT

INTRODUCTION

The GEOPROCESS File is a compilation of information and knowledge on geological processes and terrain hazards...

Geological Processes and Terrain Hazard Compilation Maps

The GEOPROCESS File map units were drafted on the 1:250 000 topographic base maps through interpretation from bedrock geology maps, surficial geology maps and in some cases terrain hazard maps at various scales.

Bedrock Geology Summaries

Each 1:250 000 NTS map area is described according to morphological belts and terranes defined by Gabrielse et al. (1991) and Wheeler et al. (1991).

EDITION 2: PRINT DATE: MAY 11, 1999

BEDROCK GEOLOGY

The Coal River map area is bisected by the northeast-trending division between the Foreland Belt to the southwest and the Omineca Belt to the northeast.

Mineral Deposits and Occurrences

Yukon MINFILE lists 22 mineral prospects, 18 hosting known mineralization. One of these is a coal occurrence. The most common, known deposit type is lead-zinc-barite-silver sedimentary exhalative or replacement deposits.

SURFICIAL GEOLOGY

The western half of NTS map sheet 95D was surveyed by Klassen (1982). A surficial geology map provides general map unit distribution.

TERRAIN HAZARDS

There are no large slides shown on the surficial geology map. Unstable colluvial and alluvial fans are the most common landform associated with mass movement hazards in this area.

Mass Movement Processes

There are no large slides shown on the surficial geology map. Unstable colluvial and alluvial fans are the most common landform associated with mass movement hazards in this area.

Permafrost

The Coal River map area lies within the widespread permafrost zone (Brown, 1978). Permafrost has a more restricted distribution than in more northerly parts of Yukon.

Flooding and Other Risks

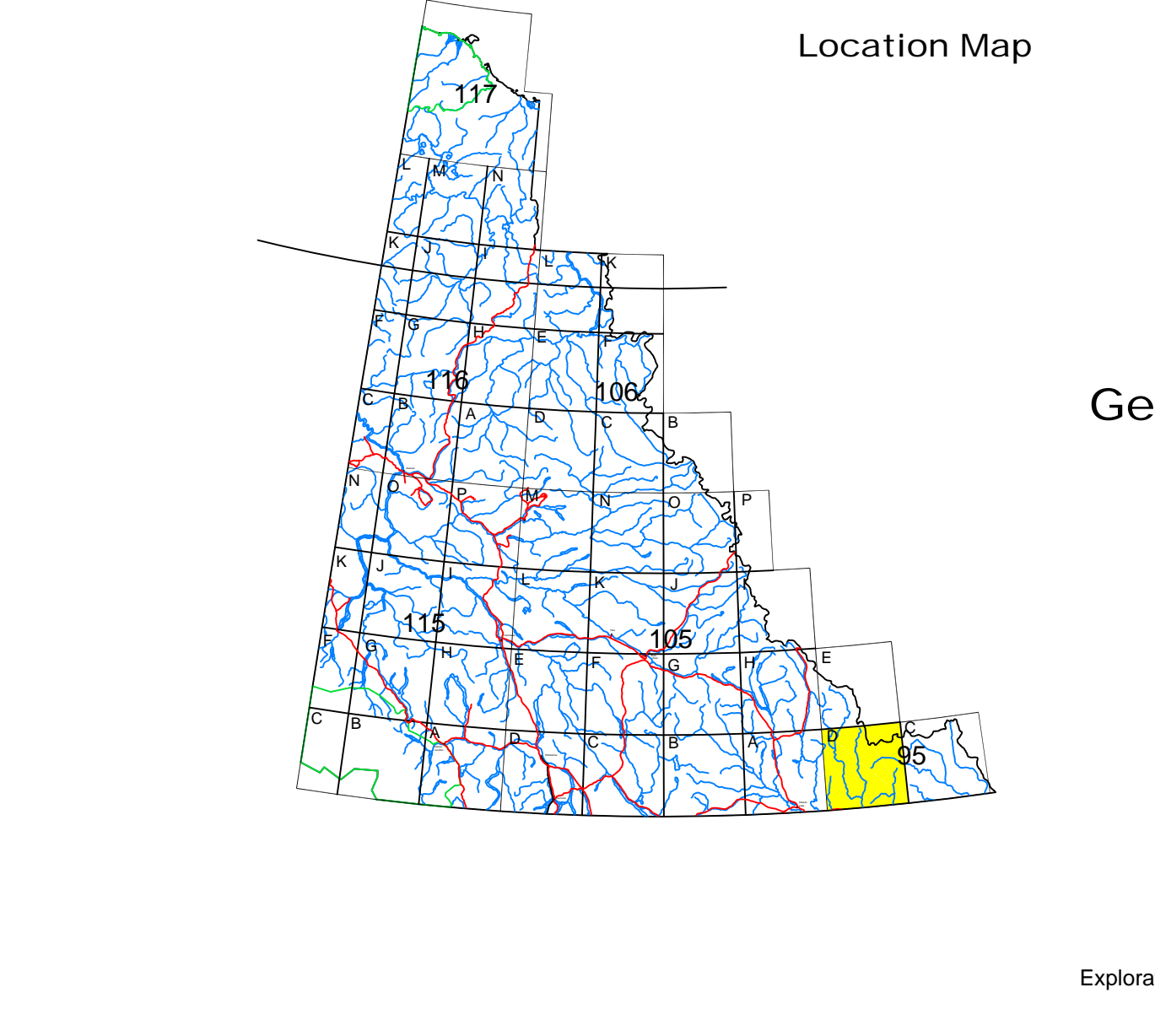
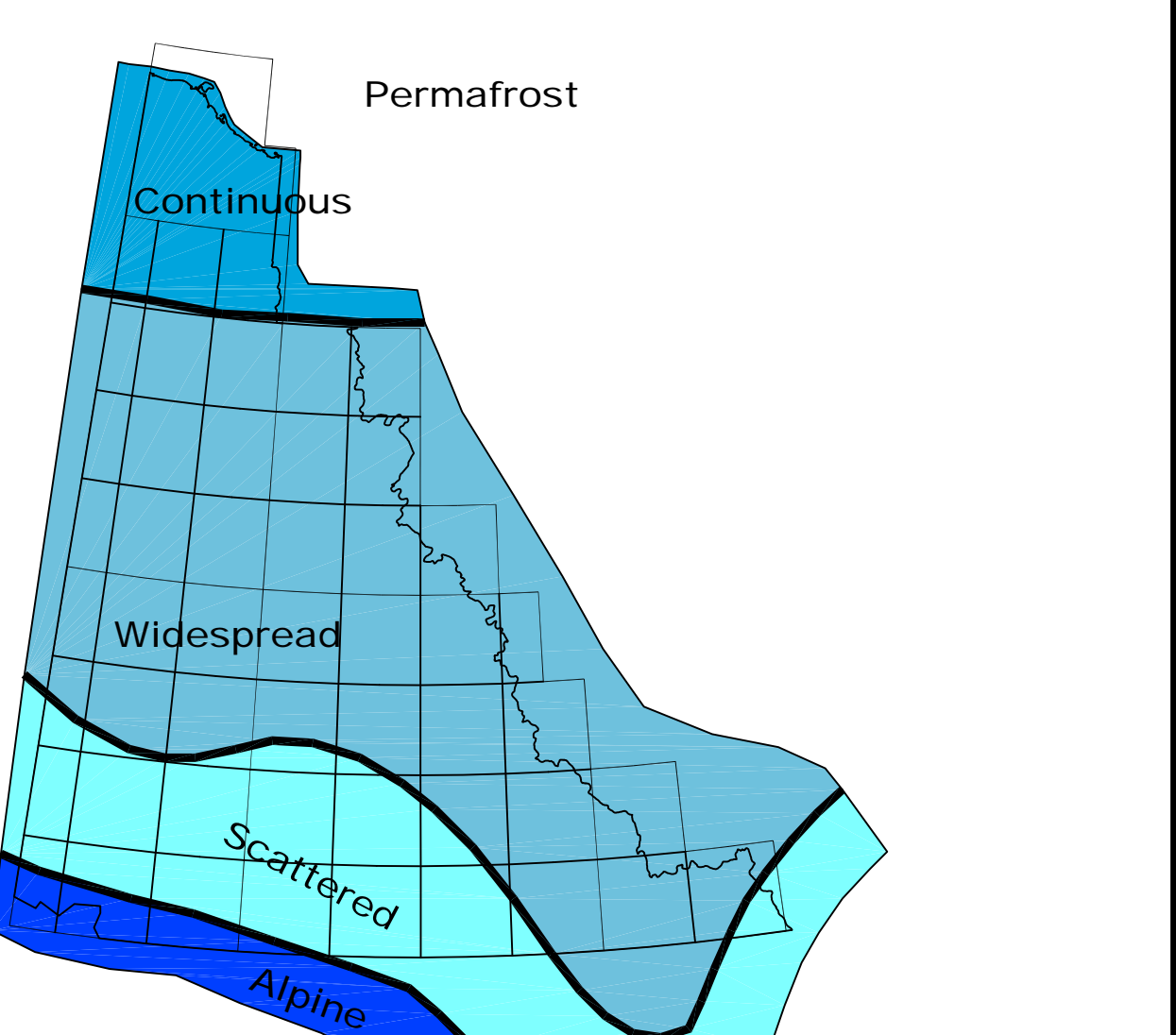
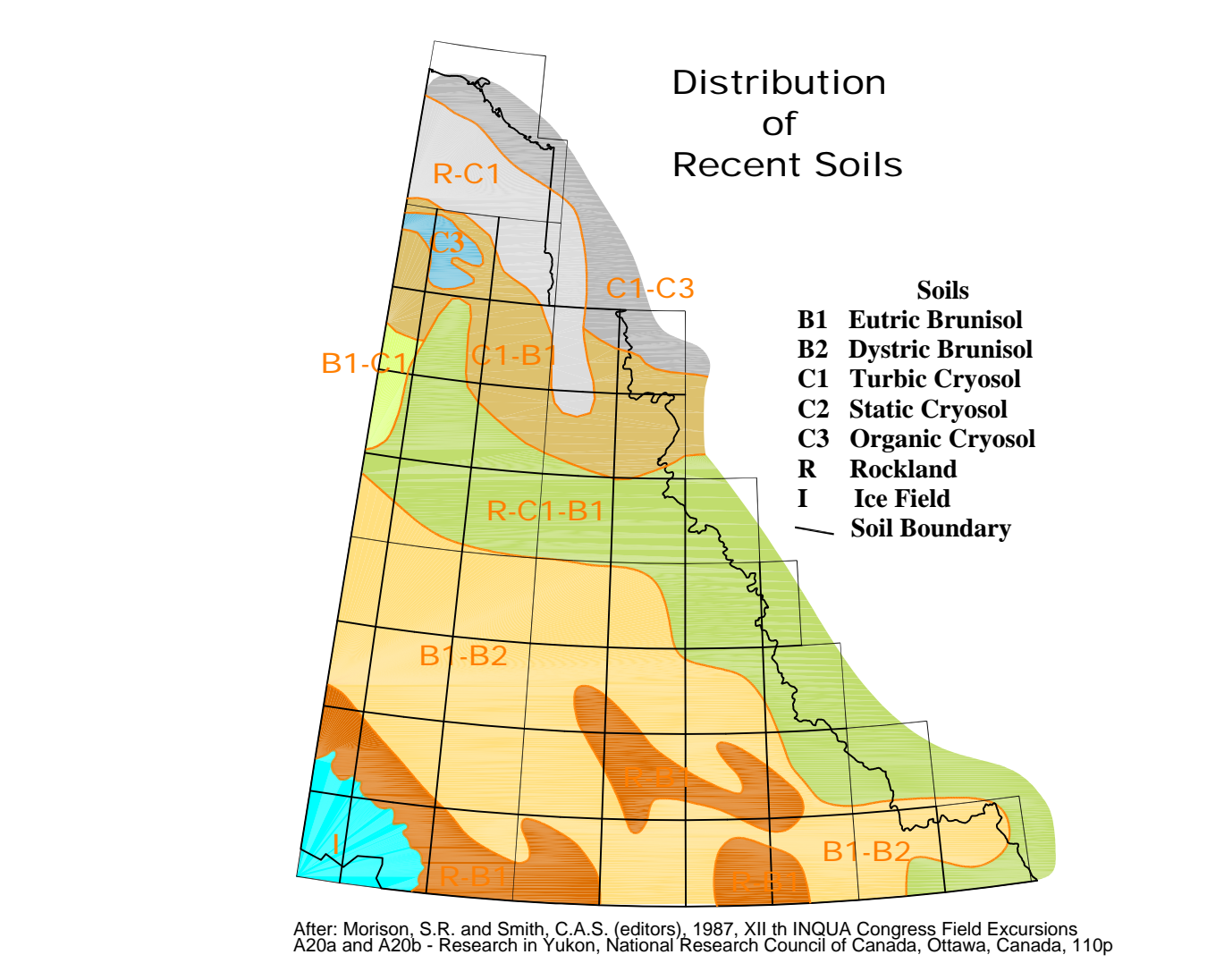
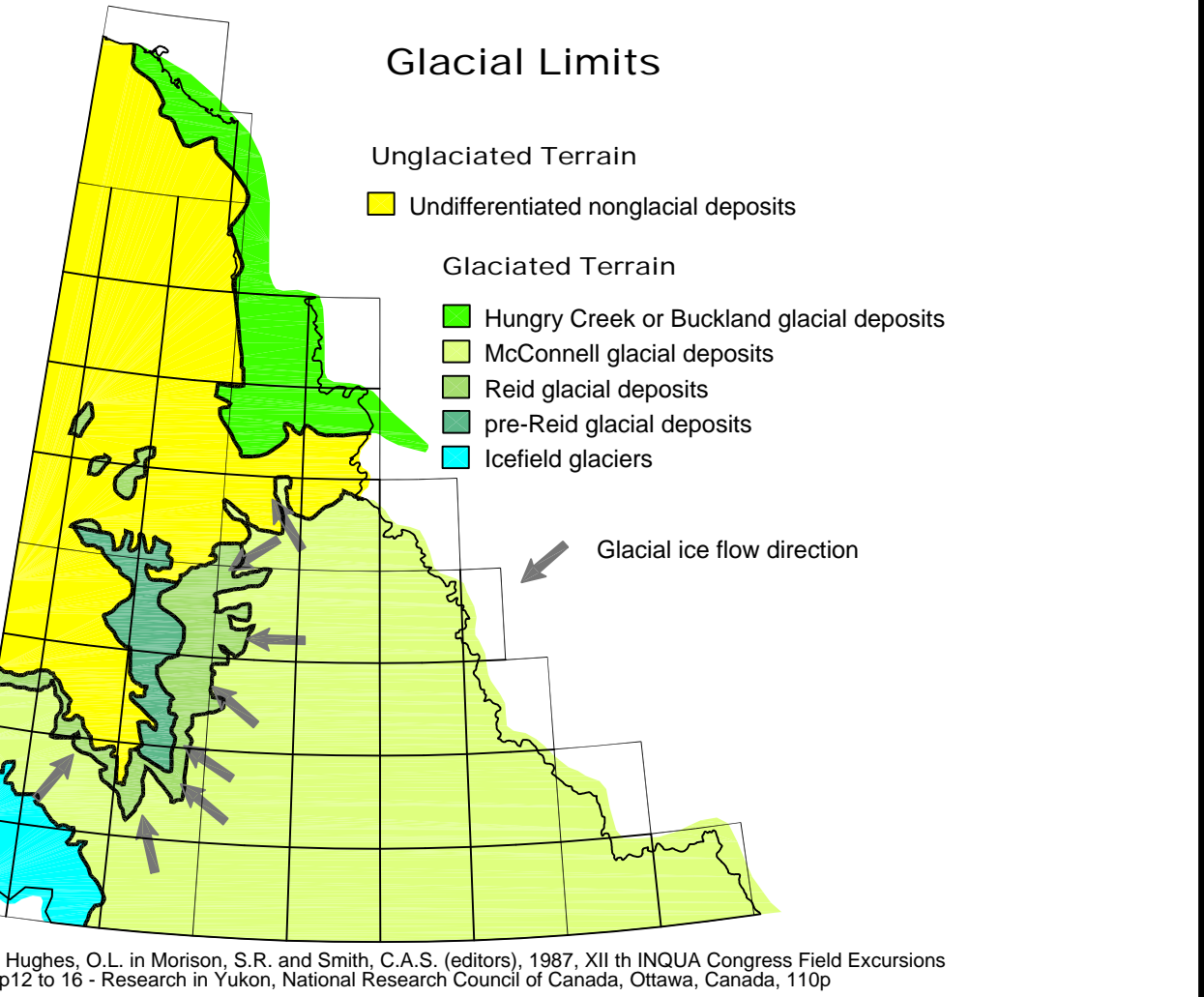
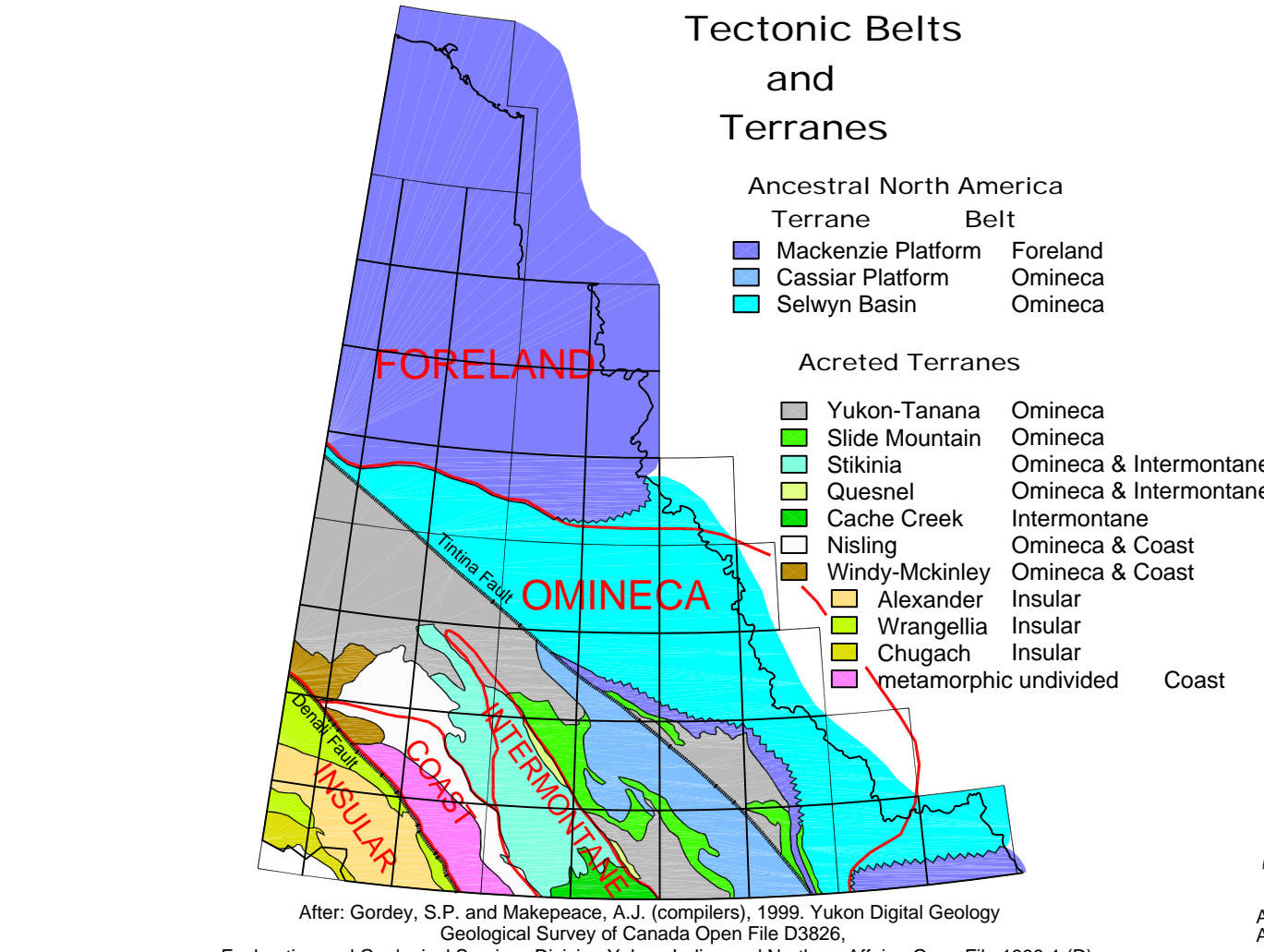
Although no hydrological studies were available during the compilation of this map, local knowledge is that the lower reaches of the Coal and Rock rivers, and other streams in the area are flooded seasonally.

Seismicity

There are three recorded seismic events within the map area. All of the recorded events are 2.0 to 4.999 or less in magnitude.

LEGEND section containing tables for Terrain Hazards, Geological Processes, Seismic Events, Faults, and Quaternary Volcanism.

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 of Coal River 95D by Mougout, C.M. and Walton, L.A.