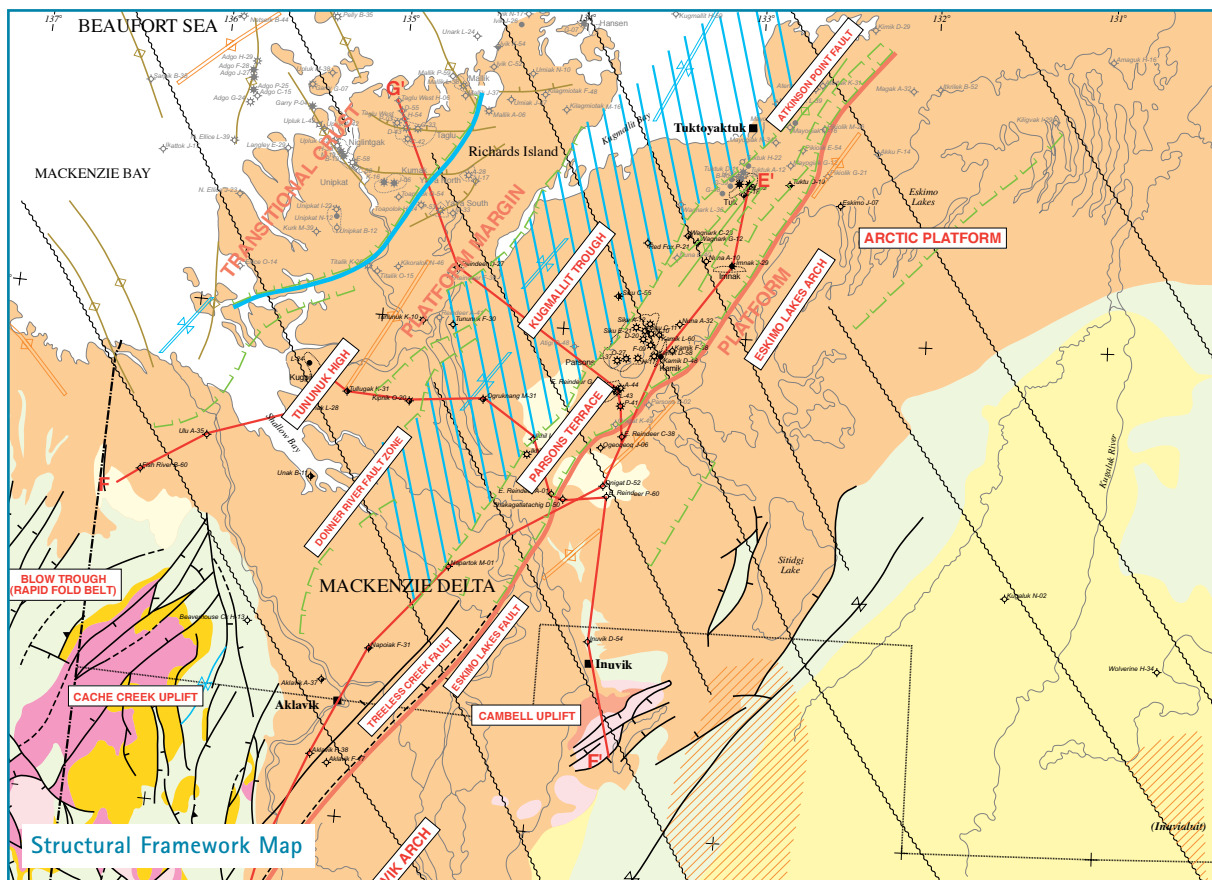


Palaeozoic and Mesozoic Hydrocarbon Potential of the Mackenzie Delta and Valley, Northwest Territories



INTRODUCTION

The study area encompasses the pre-Tertiary section of the Mackenzie Delta and Valley Basins of the Northwest Territories. Together with the Southern Northwest Territories (1995), which overlaps at the Norman Wells area, the report provides a consistent review of the whole of the Northwest Territories.

The Mackenzie Delta and Valley is a proven hydrocarbon province with large reserves of oil and gas found in Tertiary Deltatics, Mesozoic clastics and Palaeozoic carbonates and clastics

This study provides a comprehensive evaluation of the petroleum geology. It comprises original research and interpretation of a database consisting of over 200 wells, a

wealth of new and previously unpublished geochemical data resulting from co-operation with the Geological Survey of Canada, over 5,000km of released and proprietary seismic and gravity and magnetic data.

The Report:

- Provides an integrated geological and geophysical framework.
- Establishes the regional structural setting and tectonic history and determines basin configuration, detailed structural elements and prospective trends, using available magnetic, gravity, seismic and well data.
- Determines a regional stratigraphic correlation from lithological, biostratigraphical, paleo-environmental and wireline

log data, to establish the distribution of source, reservoir and seal.

- Identifies the principal reservoir, seal and source rock associations and the tectono-sedimentary controls on their distribution.
- Integrates geochemical data with the re-evaluated structural framework using basin modelling techniques, to establish timing of hydrocarbon generation and likely migration pathways.
- Identifies play concepts and where hydrocarbon discoveries may be expected to be made in the future.
- Examines the relevant petroleum legislation, environmental considerations, and fiscal terms.
- Presents companies with a geological database, maps, well information and field statistics.

CONTENTS

The report includes 270 pages of text and 187 figures in the following chapters:

- General Introduction, Regulatory, Fiscal and Environmental Framework
- Exploration History
- Database
- Interpretation Methodology
- Structural Framework
- Stratigraphy
- Petroleum Geology
- Hydrocarbon Potential
- Field Development and Cost Database
- Economic Modelling and Analysis

A set of 27 enclosures illustrate structure, stratigraphy, petroleum geology, reservoir potential, prospective trends and structural leads and include:

- Well and Concession Base Maps
- Stratigraphic Columns
- Regional Structure Elements
- Depth Maps on Key Horizons
- Isopach and Facies Maps
- Structural Cross-Sections
- Seismic Composites
- Gravity and Magnetic Data
- Source Rock Distribution Maps
- Hydrocarbon Play Concepts

DATE: 1993

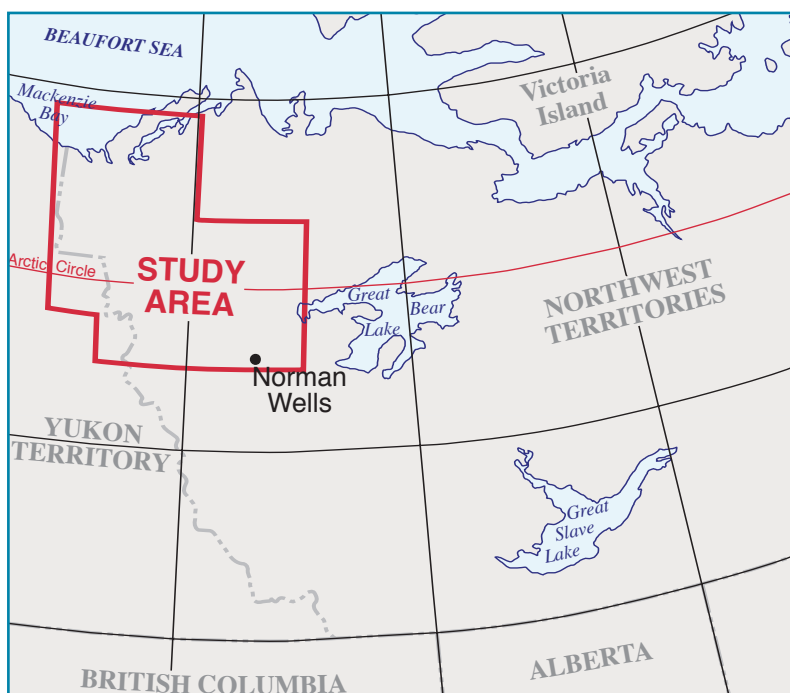
COST

Report, exclusive of any tax, delivery or customs' duties:

US \$ 45,000

Digital format (PDF), an additional:

US \$ 5,000



Contact:



Yvonne Drummond
T: +44 (0) 1580 212080
M: +44 (0) 7713 804704
E: info@expgeo.co.uk
W: www.expgeo.co.uk