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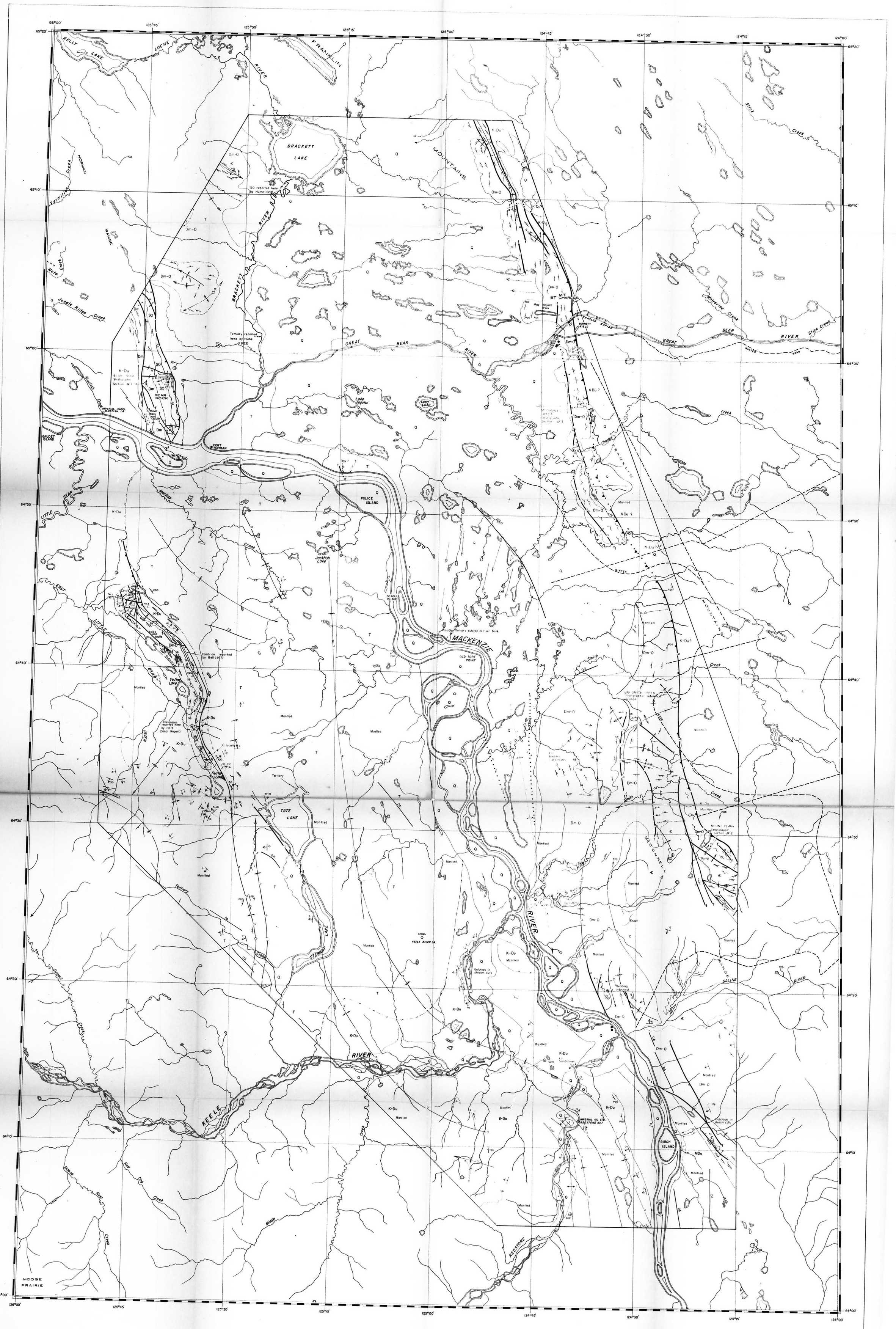
PROJ. NO. 5 5 1 - 0 1 - 0 5 - 0 0 1 LINE NO. M A P PART NO. 2 OF 2




## LEGEND

| AGE | MAP SYMBOL | |
|---|---|---|
| CENOZOIC — QUATERNARY | Q | Recent alluvium, terrace deposits, landslide debris and glacial drift undivided |
| CENOZOIC — TERTIARY | T | Tertiary rocks undivided. Mainly gravel, sand and mudstone, with some lignite beds |
| MESOZOIC — CRETACEOUS | K | Shale, sandstone and siltstone |
| PALEOZOIC — MISSISSIPPIAN * | M | Probably mainly shale, if present |
| PALEOZOIC — DEVONIAN | Du | Upper Devonian; shale, siltstone and sandstone |
| PALEOZOIC — DEVONIAN | Dm | Middle Devonian; limestone, dolomite, shale, brecciated in lower part |
| PALEOZOIC — SILURIAN | S | Dolomite |
| PALEOZOIC — ORDOVICIAN | O | Dolomite |
| PALEOZOIC — CAMBRIAN | Ꞓ | Shale, limestone, sandstone |

* Presence not reliably reported

K-Du — Cretaceous and Upper Devonian rocks, undivided

MDu — Mississippian and Upper Devonian rocks undivided

SO — Silurian and Ordovician rocks undivided

DmO — Middle Devonian through Ordovician undivided

## GEOLOGICAL SYMBOLS

Bedding appears horizontal on photographs
Recognizable dip, 1° or less
Dip group 1, 1° to 5°
Dip group 2, 5° to 10°
Dip group 3, 10° to 25°
Dip group 4, 25° to 45°
Dip group 5, 45° to nearly vertical
Rate of dip estimated from air photographs
Bedding appears vertical on photographs
Bedding overturned
General dip of beds having subordinate folds
Dip and strike. Amount of dip cannot be estimated on photographs
Dip component
Field observed published dip or component
Field observed published information
Printo dip, estimated in degrees
POS Possible dip slope
BEAR ROCK Name and location of field examined, photogrammetrically measured stratigraphic section
Fracture or joint
DA Distinctive alignment, possible structural significance
Fault, dotted where extended through Quaternary deposits
Fault, position indefinite
Fault, inferred
Thrust fault, triangles on thrust sheet
Trace of bedrock in stream cut appears horizontal. May represent flattening beds or strike
Anticline, with apex and plunge
Syncline, with high point and plunge
Anticline and syncline, position indefinite
Anticline and syncline, inferred
Anticline and syncline overturned. Arrows denote direction of dip of limbs and are on side of normal dip
Axis of anticline appears to coincide with fault trace
Axis of syncline appears to coincide with fault trace
Structural terrace
Monocline
Apparent unconformable contact
Contact, dashed where indefinite
Contact, inferred
Key bed
sb Stratigraphic break designating boundary between mappable and recessive lithologic units
Outcrop or exposure in mantled area
Prominent erosional edge of stream terrace or cliff
Minor erosional edge of stream terrace or cliff
Glacial lineation

## GEOMORPHIC SYMBOLS

Linear stream segment interpreted as strike controlled
Curvilinear stream segment interpreted as structurally controlled
Strike and dip interpreted from geomorphic evidence
Anticline and syncline based on geomorphic evidence. Arrow indicates direction of plunge

## CULTURAL AND GEOGRAPHICAL SYMBOLS

Streams
Braided stream
Provincial highway
Improved road

# AREAL GEOLOGY AND STRUCTURAL INTERPRETATION MAP OF THE FORT NORMAN AREA NORTHWEST TERRITORIES, CANADA

*Prepared by*

V. ZAY SMITH ASSOCIATES LTD.
CALGARY, ALBERTA

SCALE
One inch to two miles
10,000 6,000 2,000 0 10,000 20,000 30,000 FEET
2 1 1/2 0 2 4 6 MILES

This map was prepared by means of stereoscopic examination of air photographs, utilizing pertinent published geologic information

*Prepared for*

KERR-McGEE OIL INDUSTRIES INC.

NOVEMBER, 1964

549-1-54