

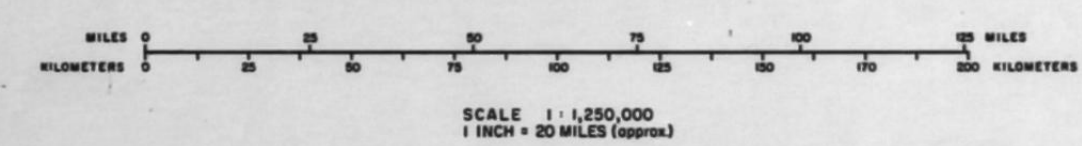
REGIONAL STRUCTURAL CONTOUR MAP

MACKENZIE BASIN AREA

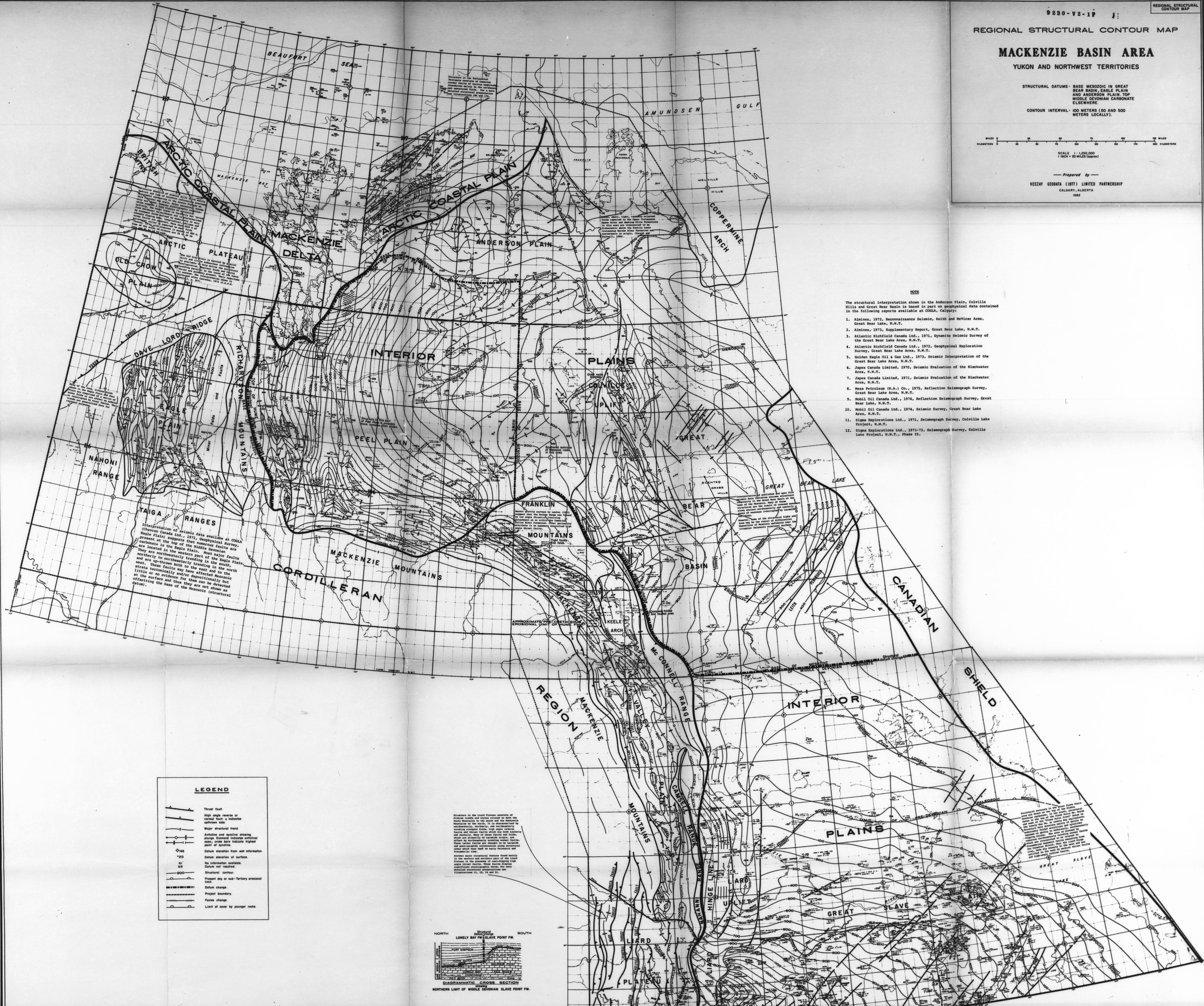
YUKON AND NORTHWEST TERRITORIES

STRUCTURAL DATUMS: BASE MESOZOIC IN GREAT BEAR BASIN, EAGLE PLAIN AND ANDERSON PLAIN, TOP MIDDLE DEVONIAN CARBONATE ELSEWHERE.

CONTOUR INTERVAL: 100 METERS (50 AND 500 METERS LOCALLY).



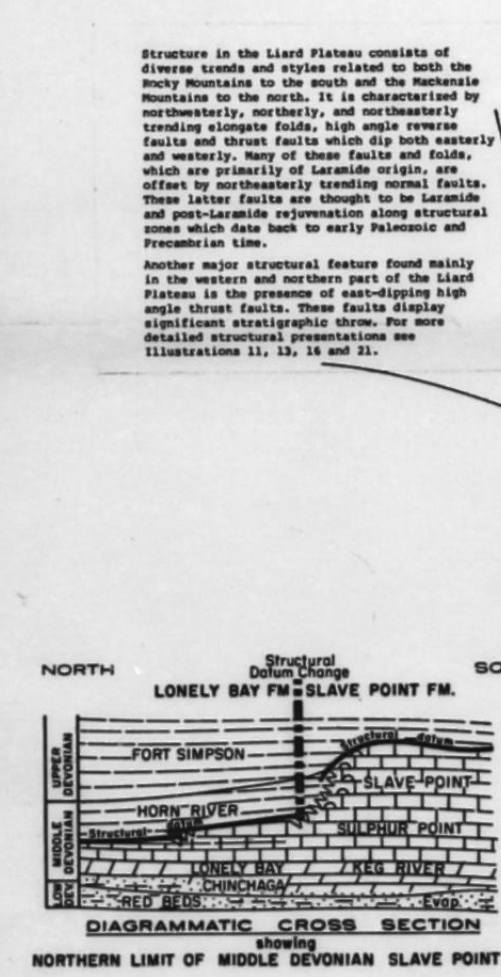
Prepared by
VEEZAY GEORATA (1977) LIMITED PARTNERSHIP
CALGARY, ALBERTA
1982



- NOTE**
- The structural interpretation shown in the Anderson Plain, Colville Hills and Great Bear Basin is based in part on geophysical data contained in the following reports available at CGRA, Calgary:
1. Alimov, 1972, Reconnaissance Seismic, Keith and McVicar Area, Great Bear Lake, N.W.T.
 2. Alimov, 1973, Supplementary Report, Great Bear Lake, N.W.T.
 3. Atlantic Richfield Canada Ltd., 1971, Dynamic Seismic Survey of the Great Bear Lake Area, N.W.T.
 4. Atlantic Richfield Canada Ltd., 1972, Geophysical Exploration Survey, Great Bear Lake Area, N.W.T.
 5. Golden Eagle Oil & Gas Ltd., 1973, Seismic Interpretation of the Great Bear Lake Area, N.W.T.
 6. Japex Canada Limited, 1970, Seismic Evaluation of the Blackwater Area, N.W.T.
 7. Japex Canada Limited, 1971, Seismic Evaluation of the Blackwater Area, N.W.T.
 8. Hess Petroleum (U.S.A.) Co., 1975, Reflection Seismograph Survey, Great Bear Lake Area, N.W.T.
 9. Mobil Oil Canada Ltd., 1974, Reflection Seismograph Survey, Great Bear Lake, N.W.T.
 10. Mobil Oil Canada Ltd., 1974, Seismic Survey, Great Bear Lake Area, N.W.T.
 11. Sigma Exploration Ltd., 1971, Seismograph Survey, Colville Lake Project, N.W.T.
 12. Sigma Exploration Ltd., 1971-73, Seismograph Survey, Colville Lake Project, N.W.T., Phase II.

LEGEND

- Thrust fault
- High angle reverse or normal fault, a includes upthrown side
- Major structural trend
- Anticline and syncline showing plunge (downward indicates anticline, upward indicates syncline)
- Point of syncline
- Datum elevation from sea level information
- Datum elevation of surface
- No information available
- Datum not reported
- Structural contour
- Present day or sub-Tertiary structural limit
- Datum change
- Project boundary
- Feature change
- Limit of cover by younger rocks





MACKENZIE BASIN AREA

YUKON AND NORTHWEST TERRITORIES

STRUCTURAL DATUMS: BASE MESOZOIC IN GREAT BEAR BASIN, EAGLE PLAIN AND ANDERSON PLAIN, TOP MIDDLE DEVONIAN CARBONATE ELSEWHERE.
CONTOUR INTERVAL: 100 METERS (50 AND 500 METERS LOCALLY).

SCALE 1:1,250,000
1 INCH = 20 MILES (approx)

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12. Sigma Explorations Ltd., 1972-73, Seismograph Survey, Colville Lake Project, N.W.T., Phase II.

LEGEND

- Thrust fault
- High angle reverse or normal fault - indicates syncline side
- Major structural trend
- Anticline and syncline showing plunge (dashed indicates anticline, solid line indicates higher point of syncline)
- 0m Datum elevation from well information
- 725 Datum not available
- 811 No information available
- 900 Structural contour
- Present day or sub-Tertiary erosion limit
- Datum change
- Project boundary
- Feature change
- Limit of cover by younger rocks

Structure in the Great Bear Basin consists of several large and small faults which are mostly normal. In the north, the Mackenzie Mountains, and in the south, the Great Bear Basin, are separated by a series of faults which are mostly normal. The faults are mostly normal and are mostly oriented in a north-south direction. The faults are mostly normal and are mostly oriented in a north-south direction.

