

**AAPG 2005 ANNUAL CONVENTION
EXPLORING ENERGY SYSTEMS**

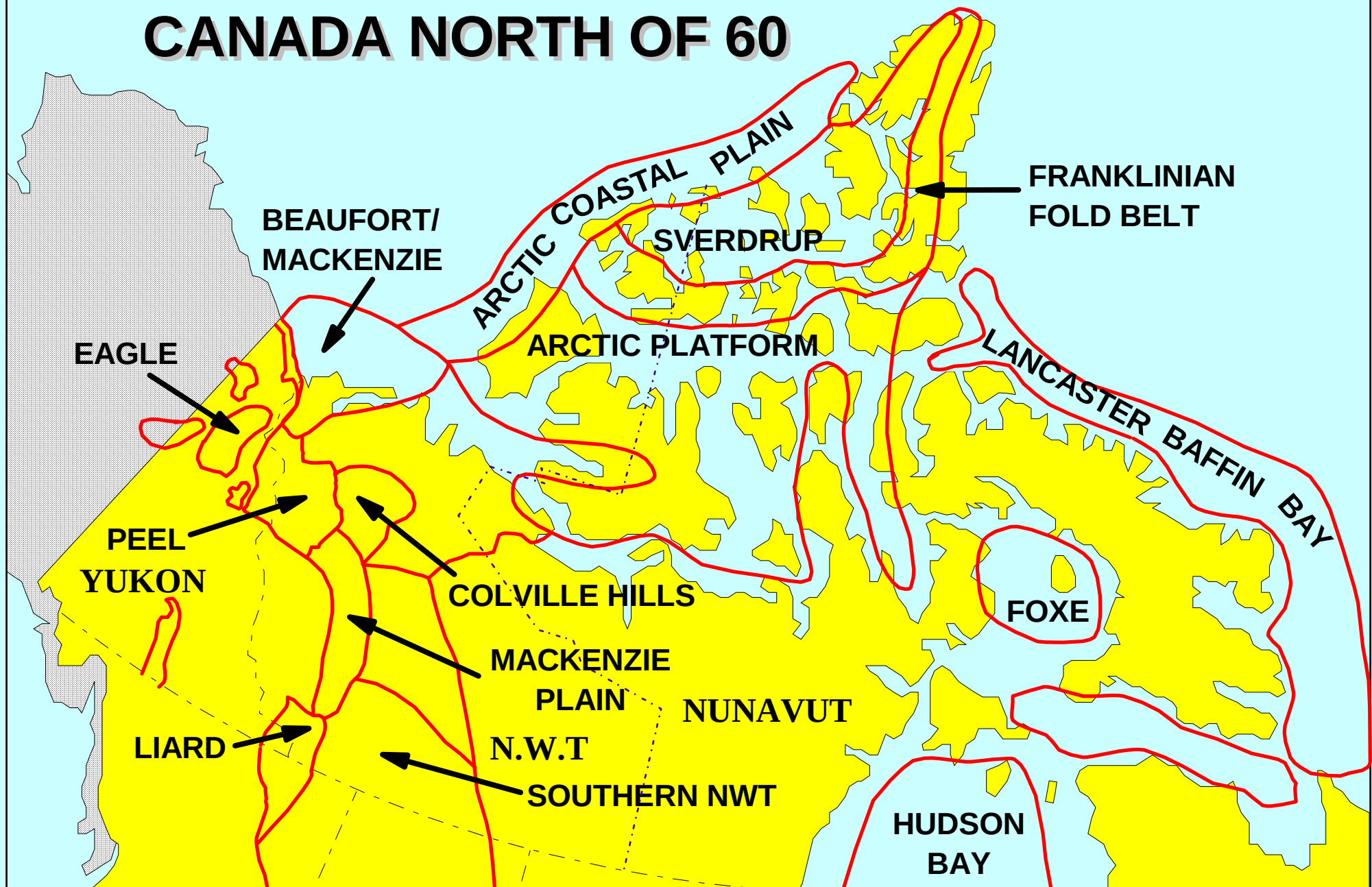
JUNE 20, 2005 - CALGARY, ALBERTA

Updated to December 31, 2008

**Canada's Discovered
Oil and Gas Resources
North of 60**

Kenneth J. Drummond

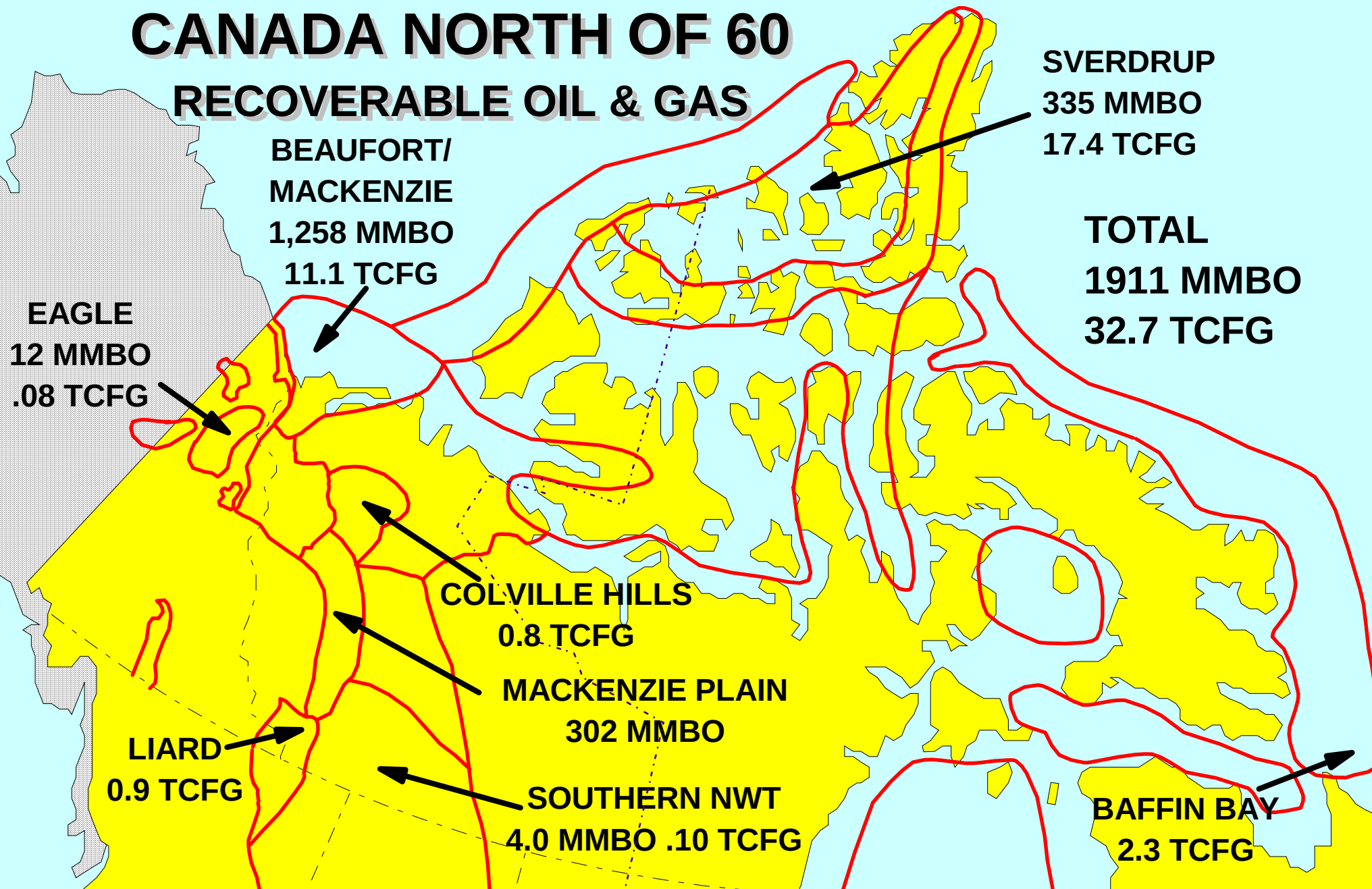
SEDIMENTARY BASINS CANADA NORTH OF 60



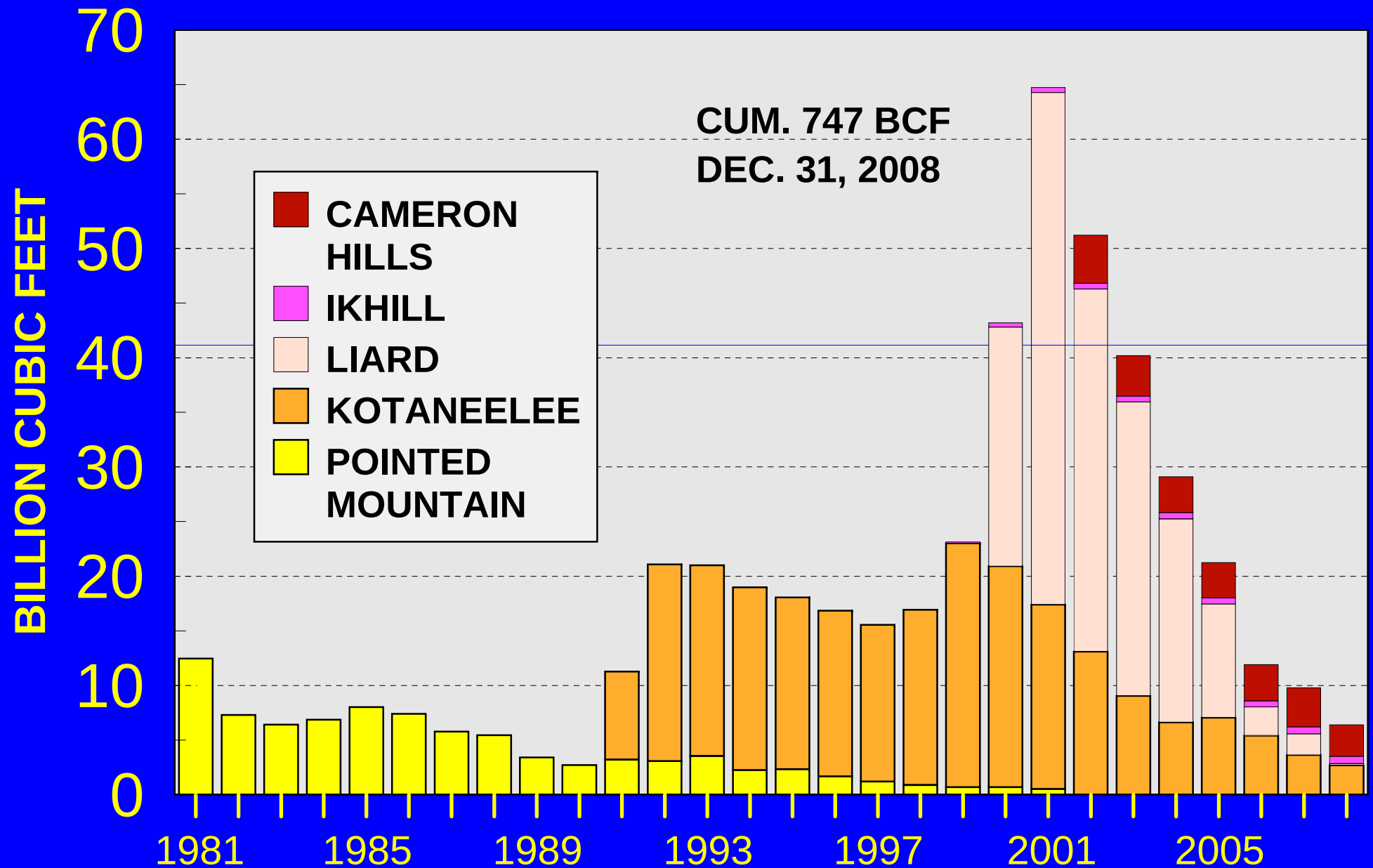
DISCOVERED RESOURCES

CANADA NORTH OF 60

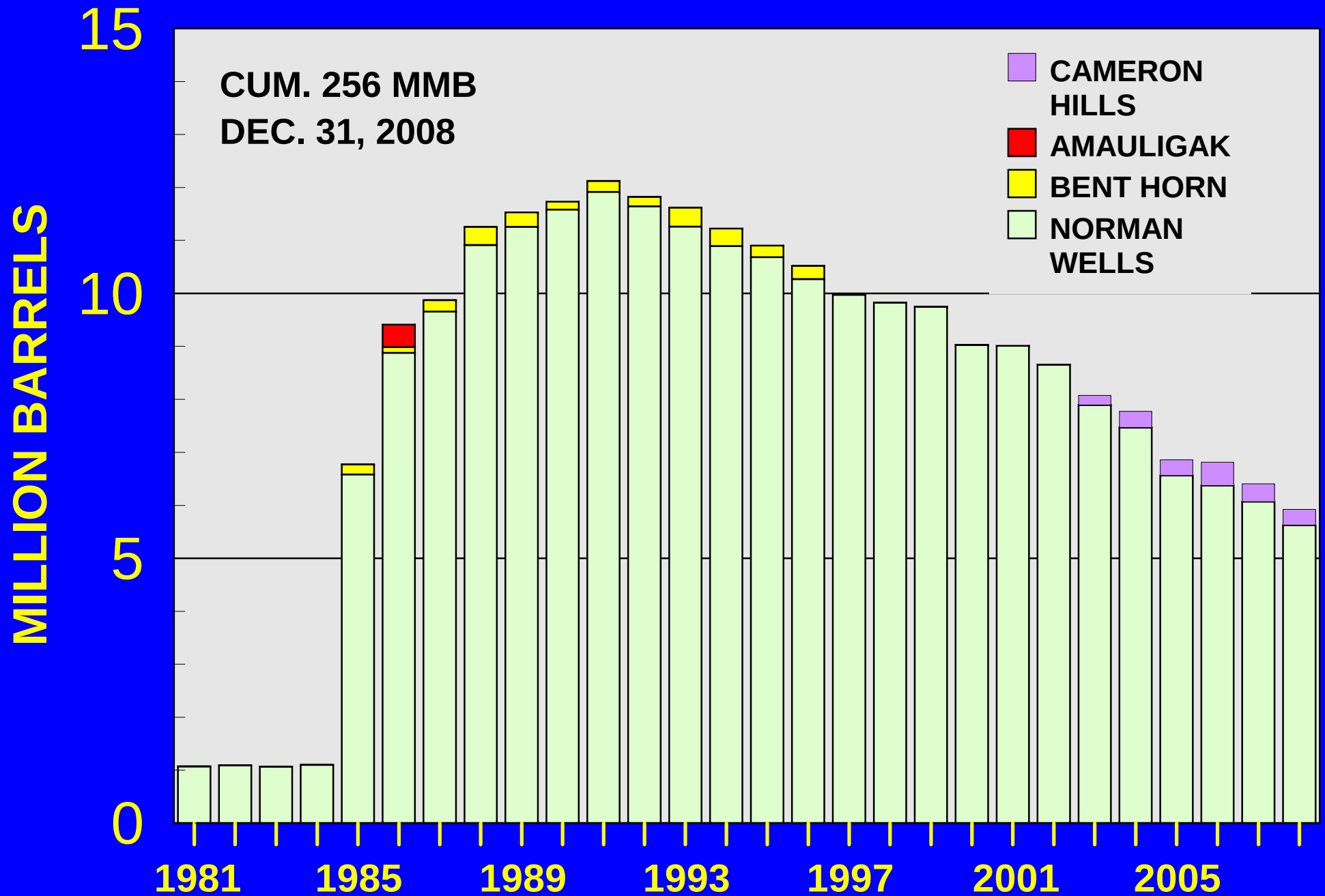
RECOVERABLE OIL & GAS



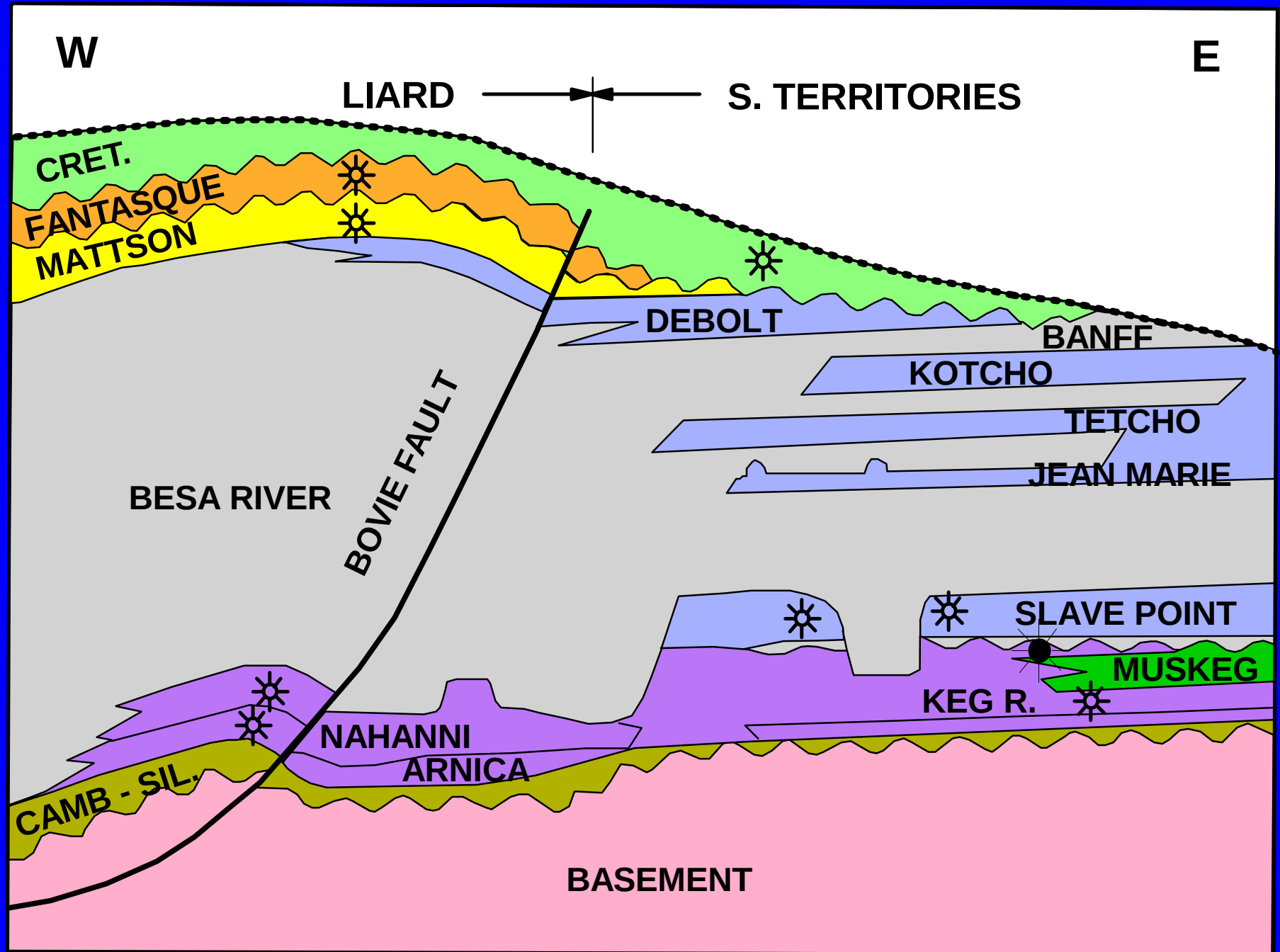
CANADA NORTH OF 60 ANNUAL GAS PRODUCTION



CANADA NORTH OF 60 ANNUAL OIL PRODUCTION



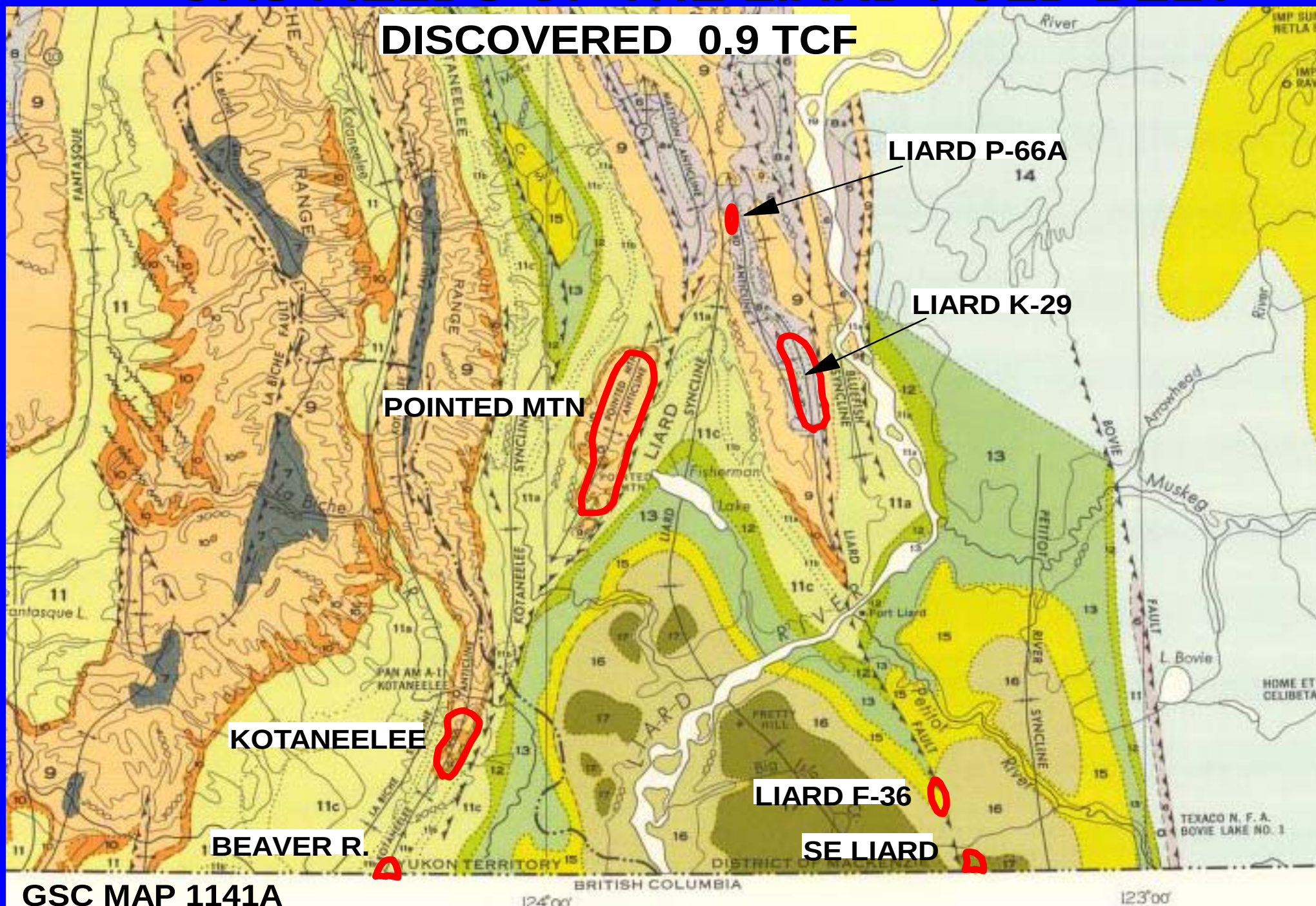
LIARD - S. TERRITORIES SCHEMATIC SECTION



Modified from NOGD, 1995

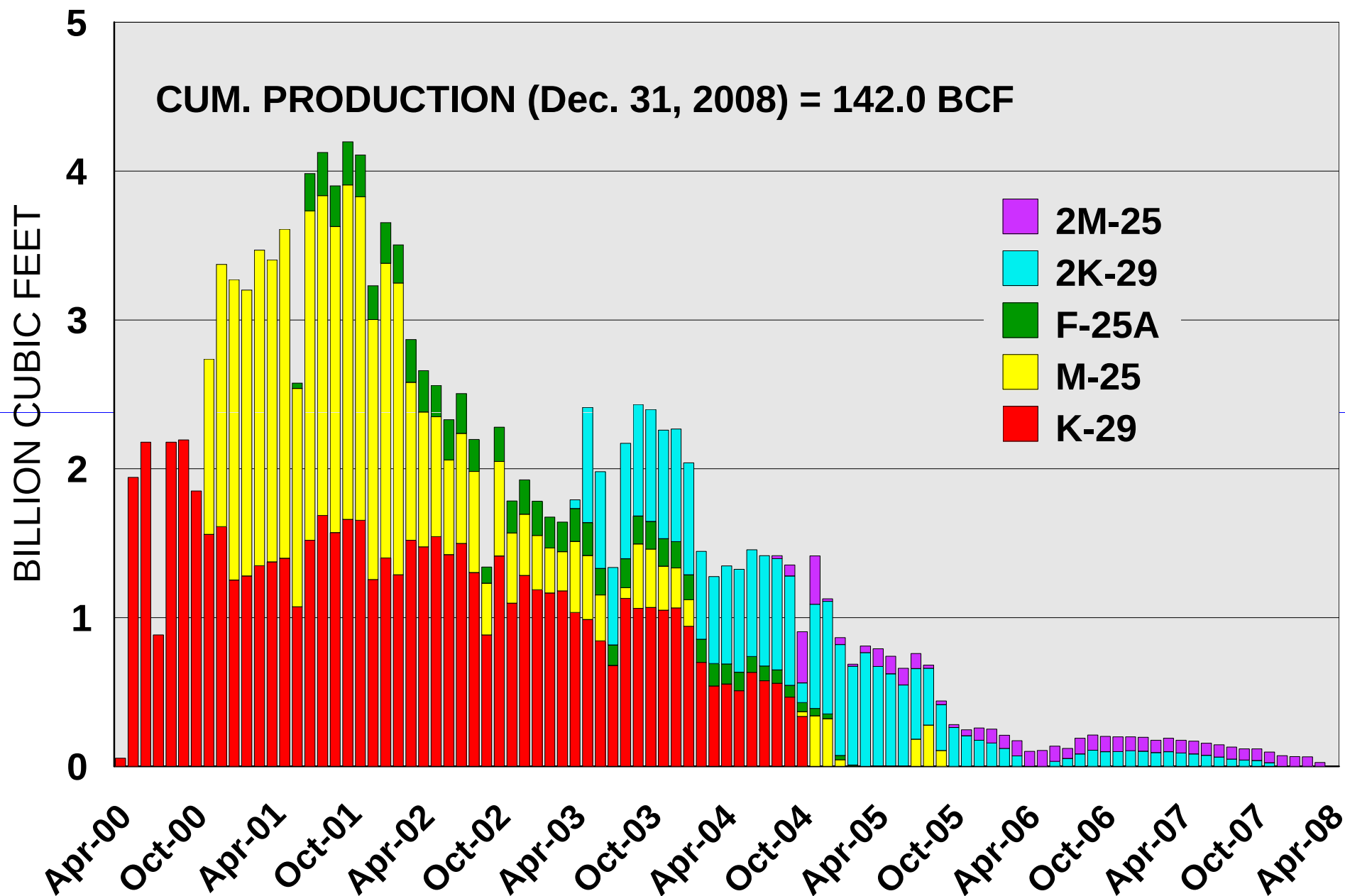
GAS FIELDS OF THE LIARD FOLD BELT

DISCOVERED 0.9 TCF

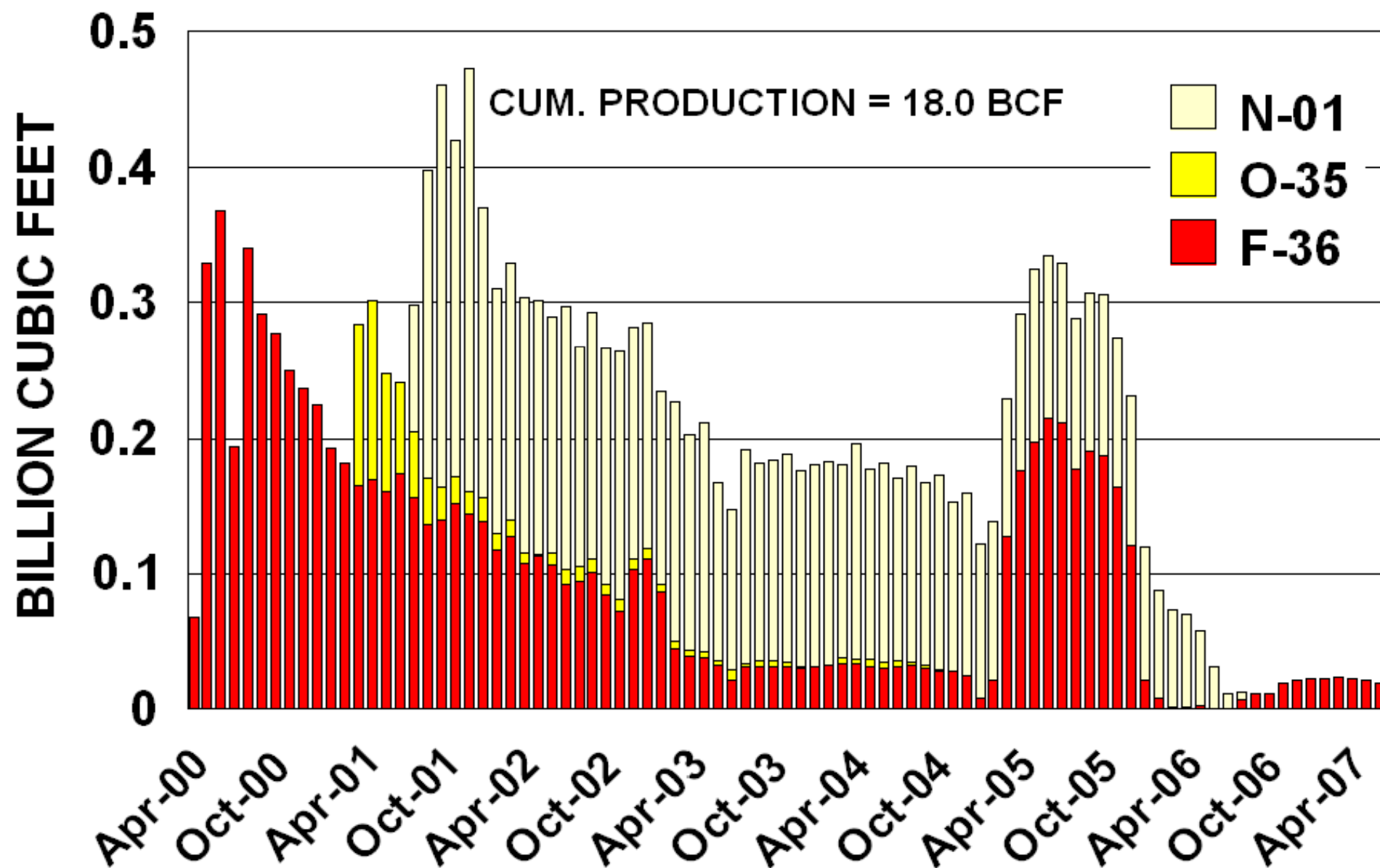


GSC MAP 1141A

PARAMOUNT LIARD GAS FIELD PRODUCTION



PARAMOUNT FT LIARD & FT LIARD S.E. GAS FIELD PRODUCTION



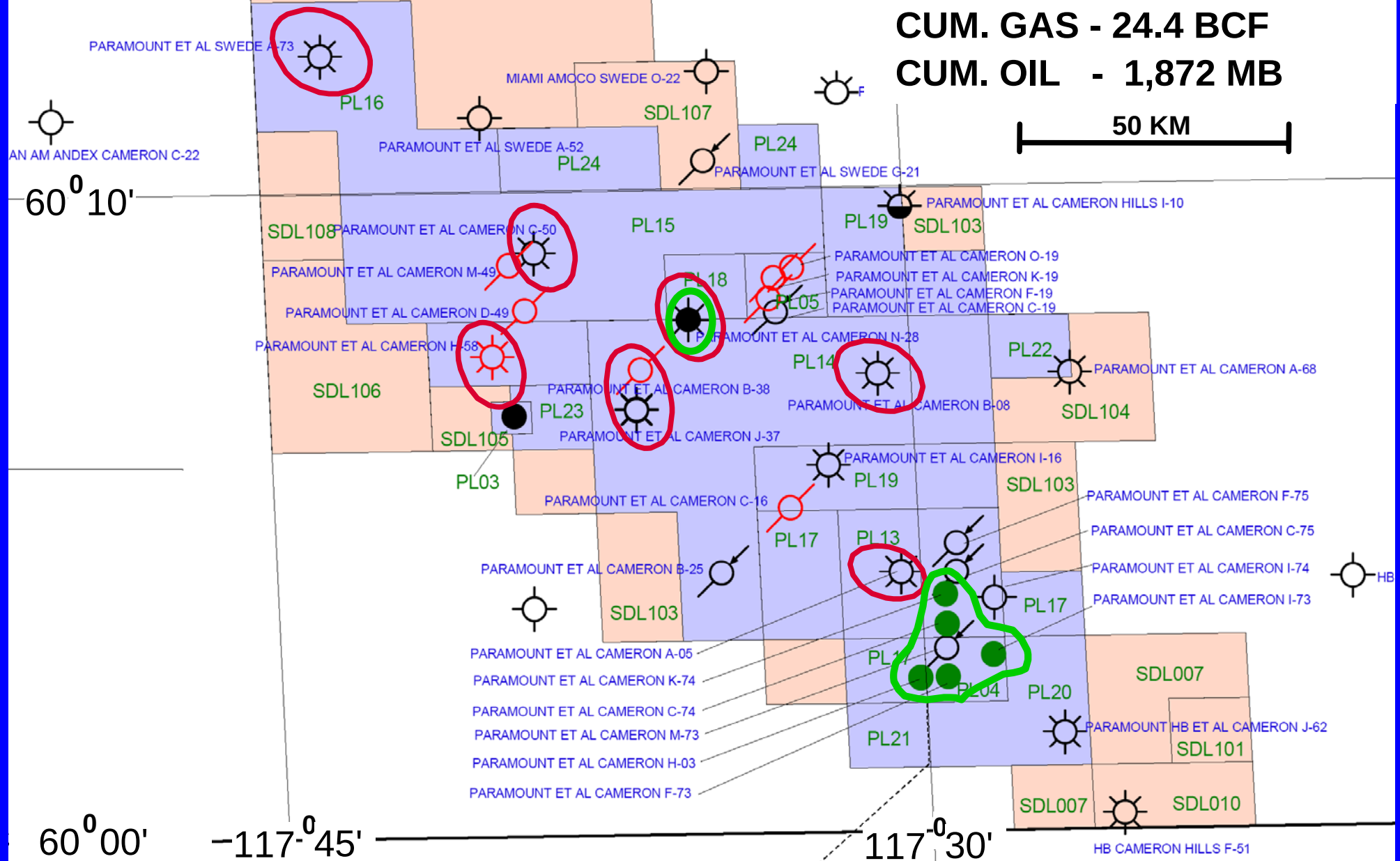
CAMERON HILLS OIL/GAS FIELD

December 31, 2008

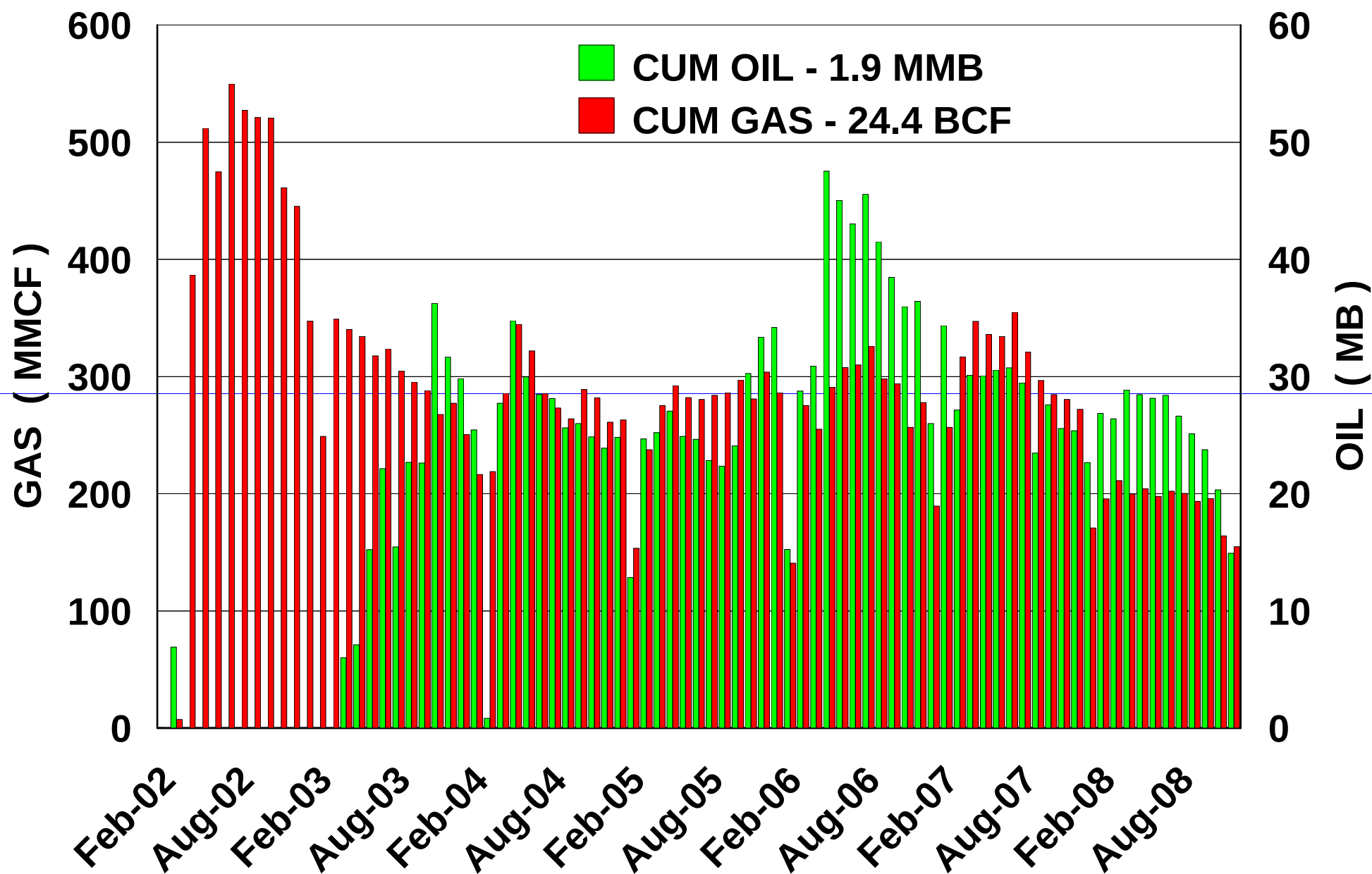
CUM. GAS - 24.4 BCF

CUM. OIL - 1,872 MB

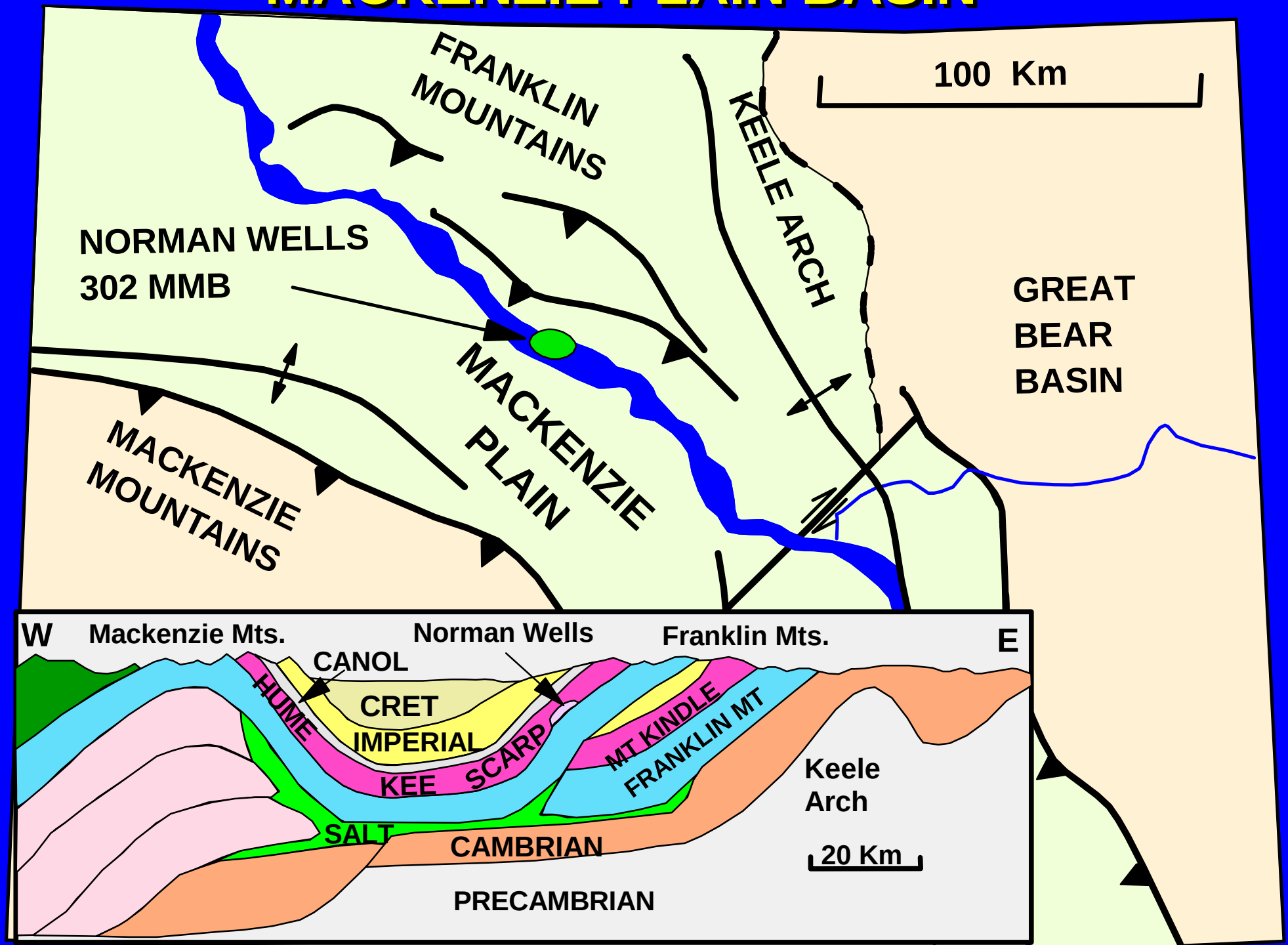
50 KM



CAMERON HILLS - OIL & GAS PRODUCTION

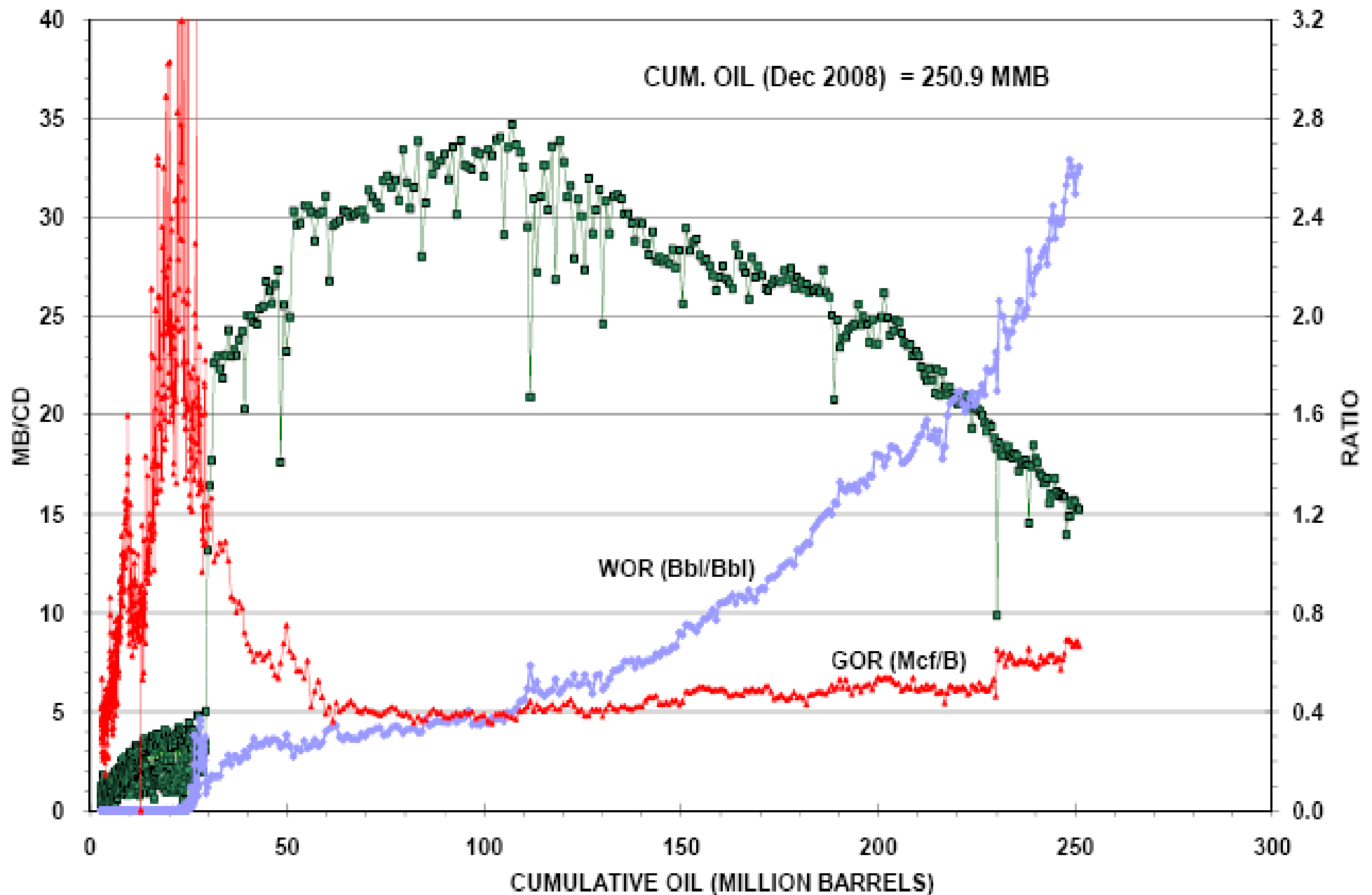


MACKENZIE PLAIN BASIN

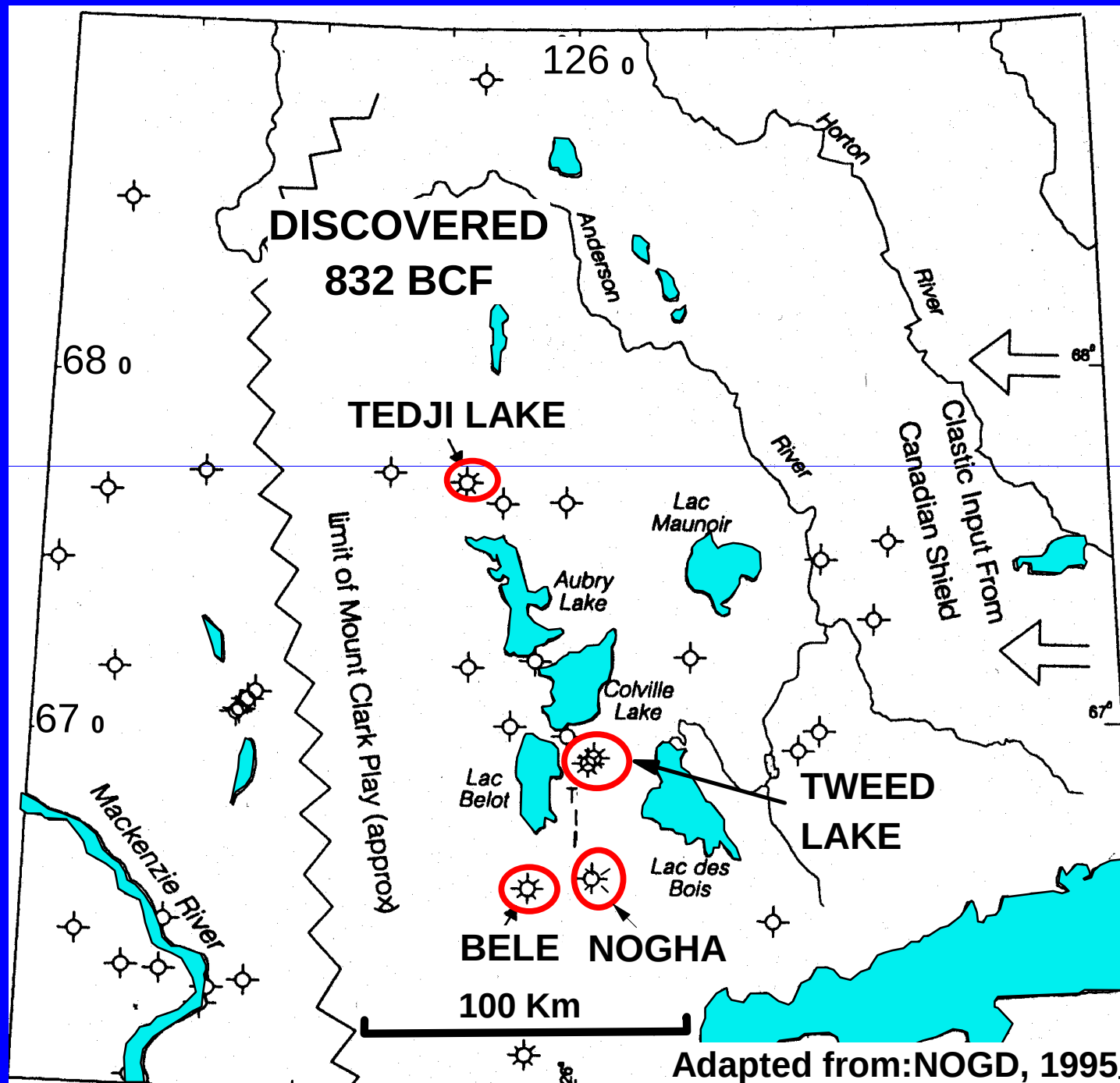


Modified from NOGD, 1995

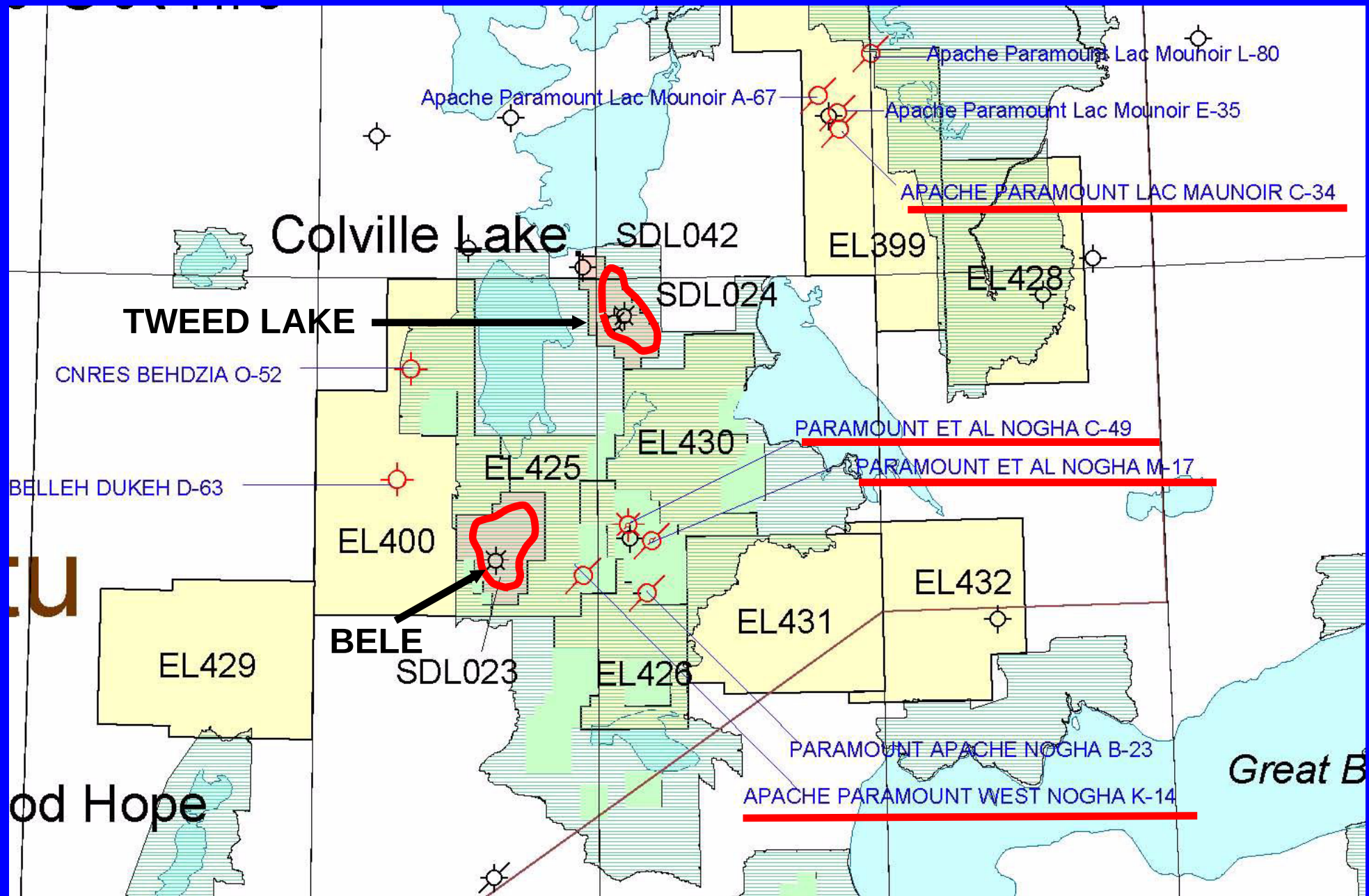
NORMAN WELLS OIL PRODUCTION



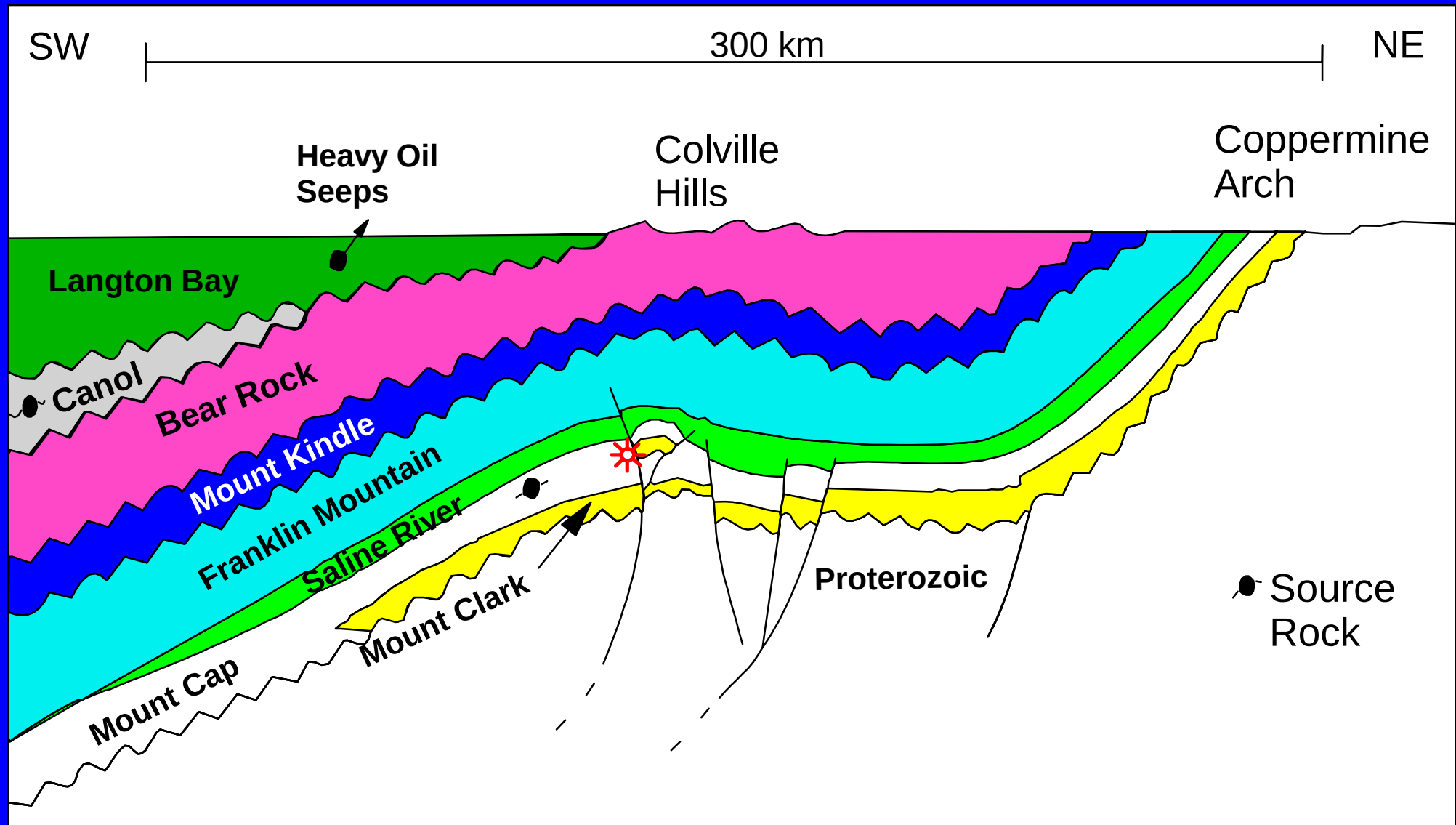
COLVILLE HILLS, NWT SHOWING LOCATION OF CAMBRIAN SANDSTONE GAS DISCOVERIES



COLVILLE HILLS - DRILLING 2003/2005

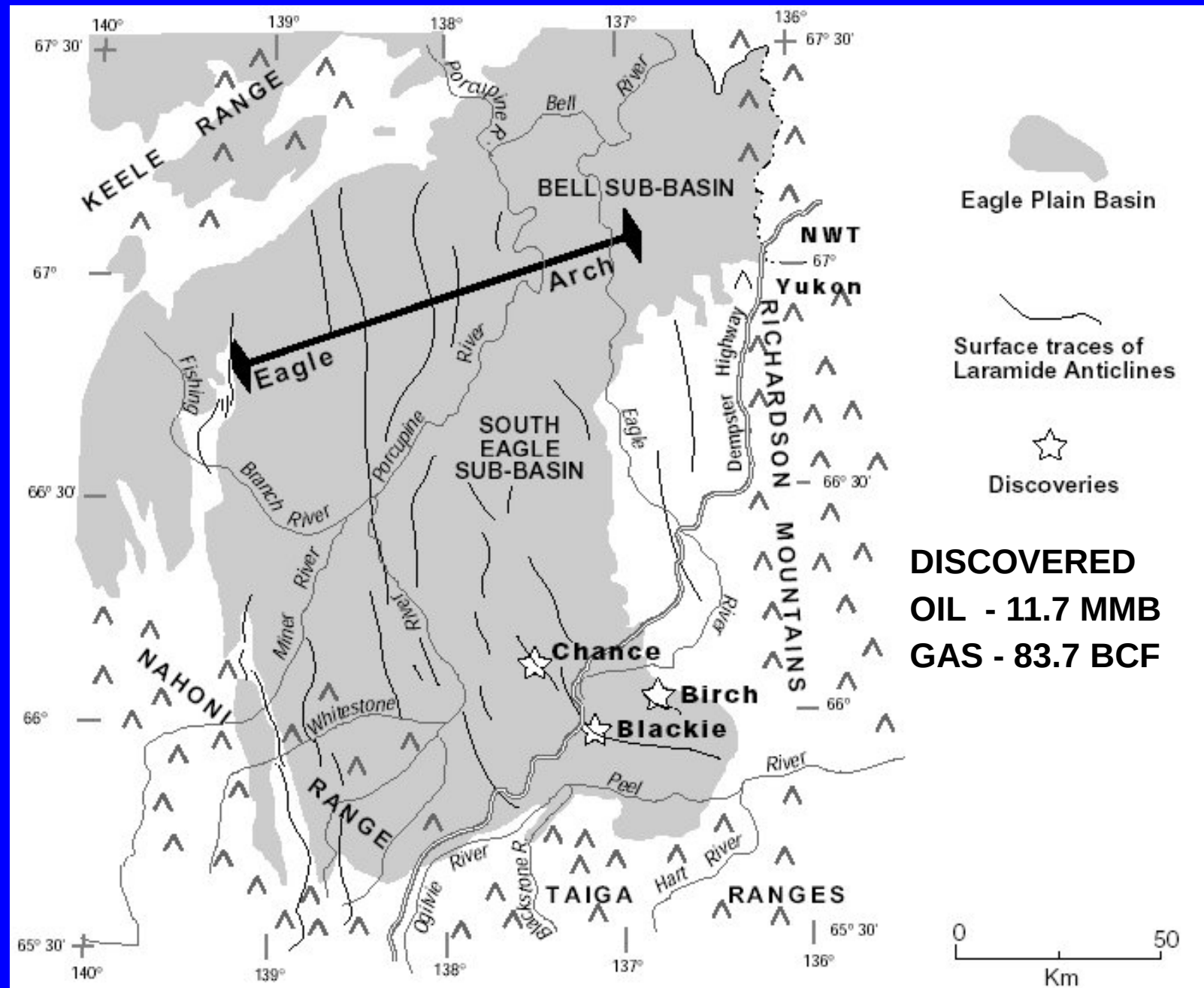


SCHEMATIC SECTION, COLVILLE HILLS AREA



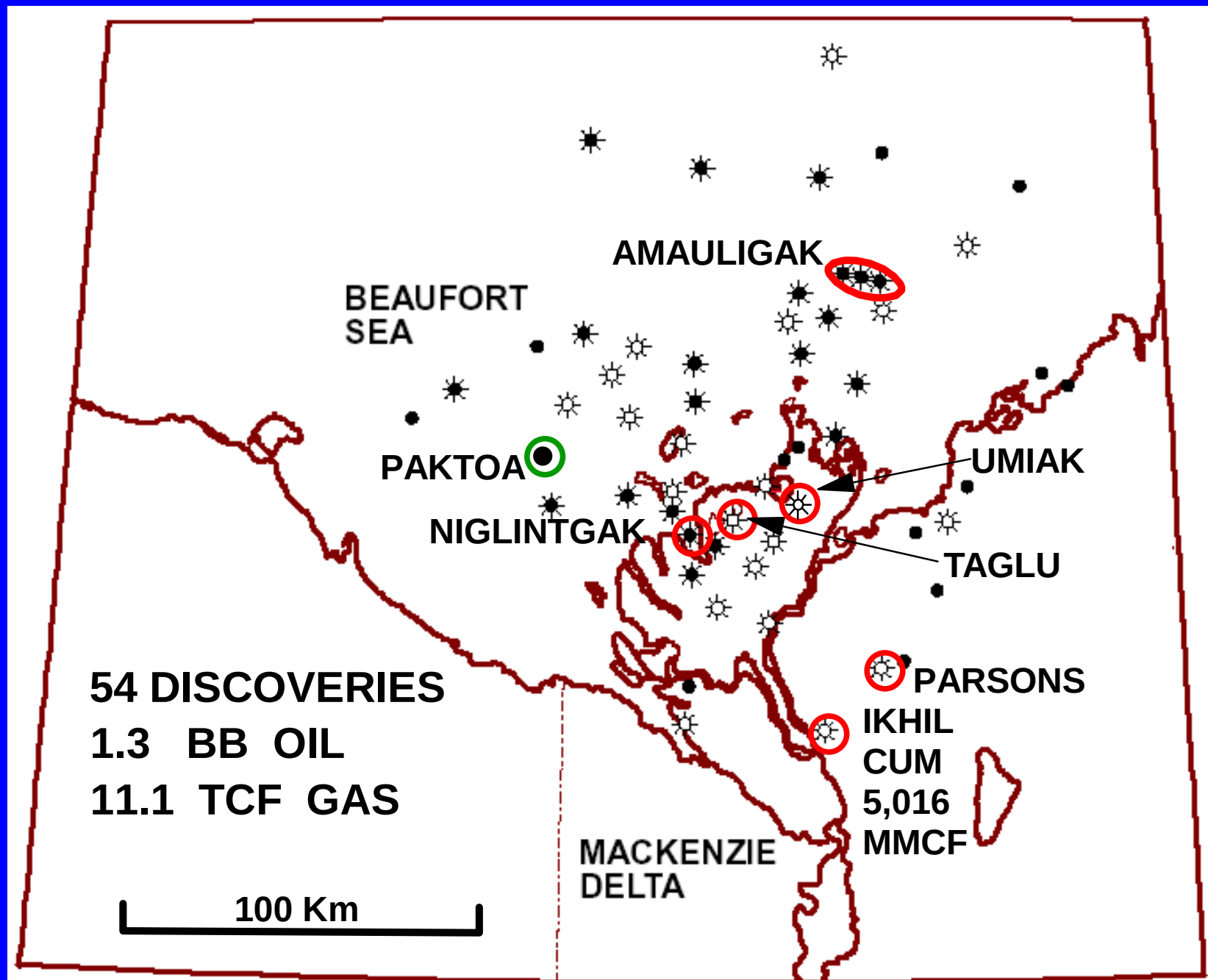
Modified from NOGD, 1995

EAGLE PLAIN BASIN

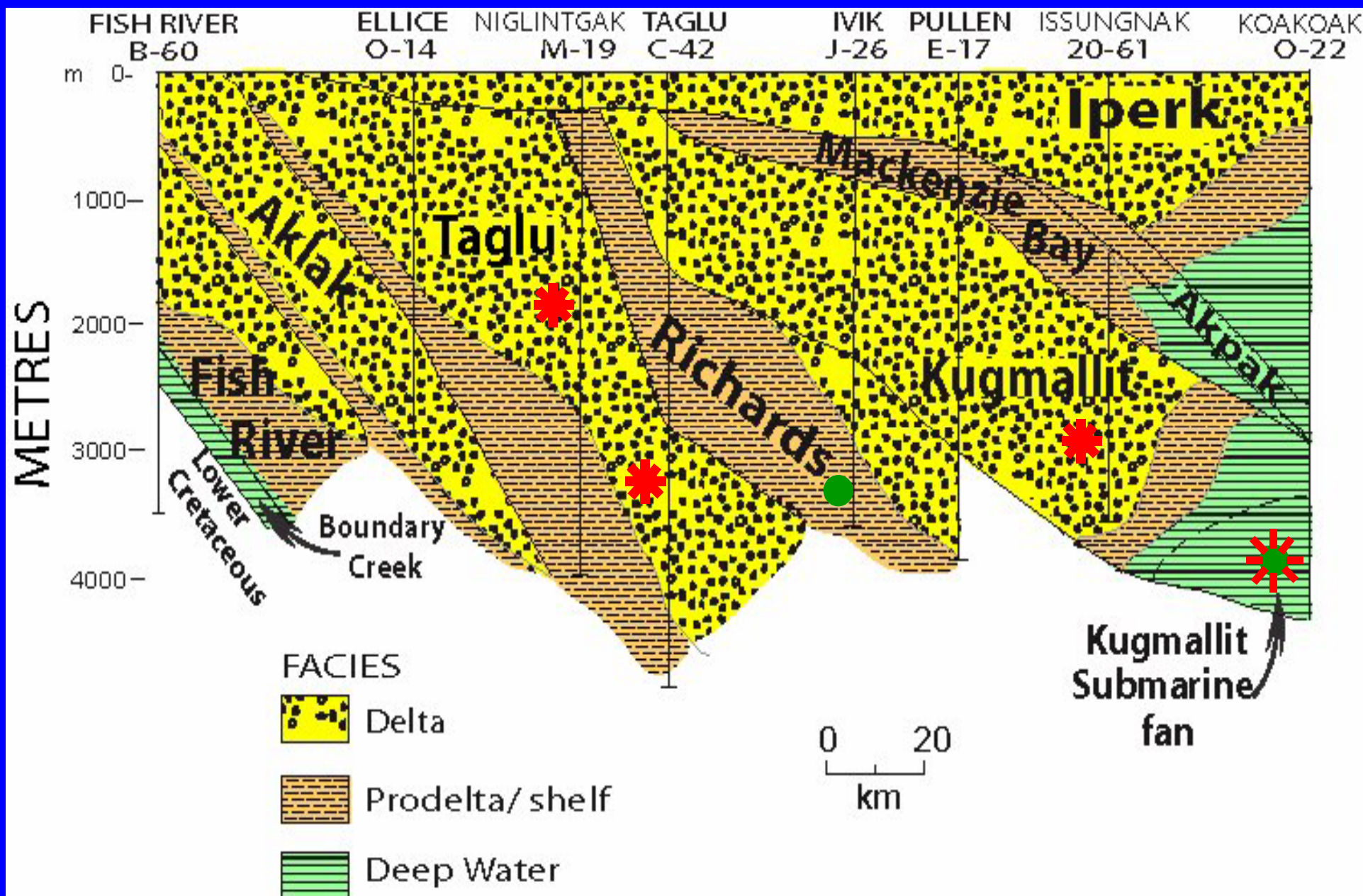


Modified from Yukon Ec. Dev., NEB, 1994

BEAUFORT - MACKENZIE BASIN DISCOVERED OIL AND GAS FIELDS

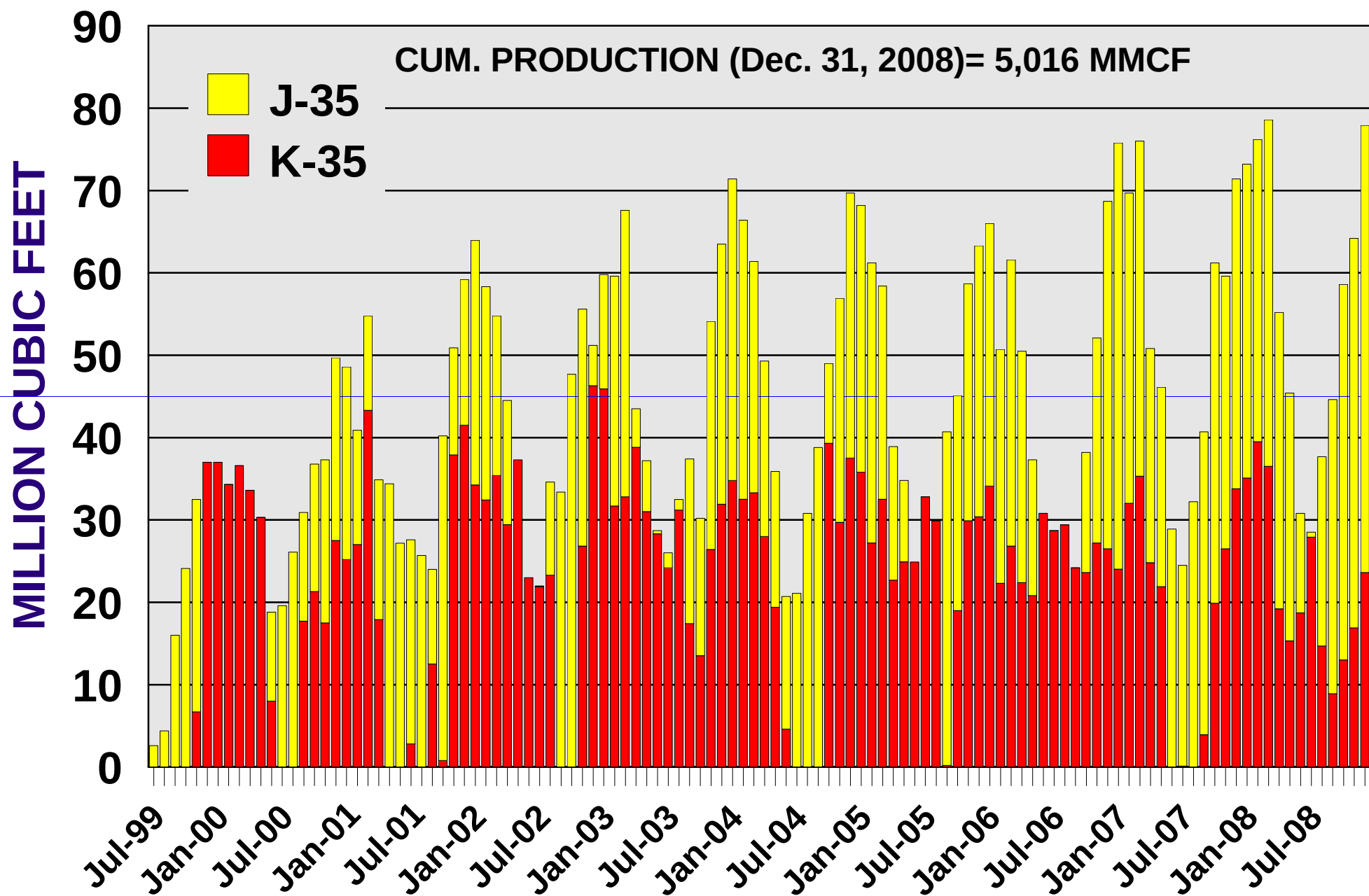


BEAUFORT - MACKENZIE DEPOSITIONAL FACIES

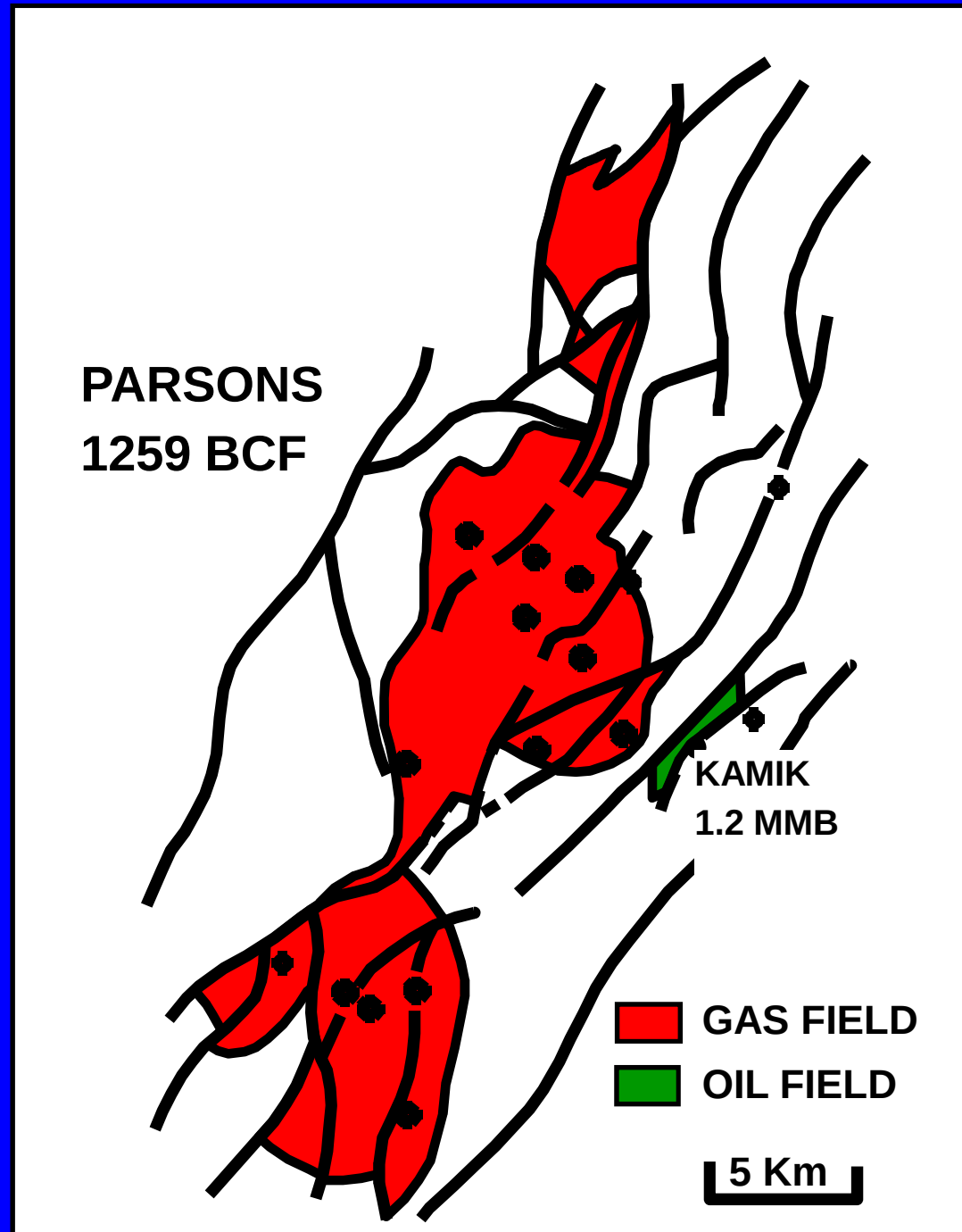


Modified From: Dixon et al, 1992

IKHIL GAS FIELD PRODUCTION

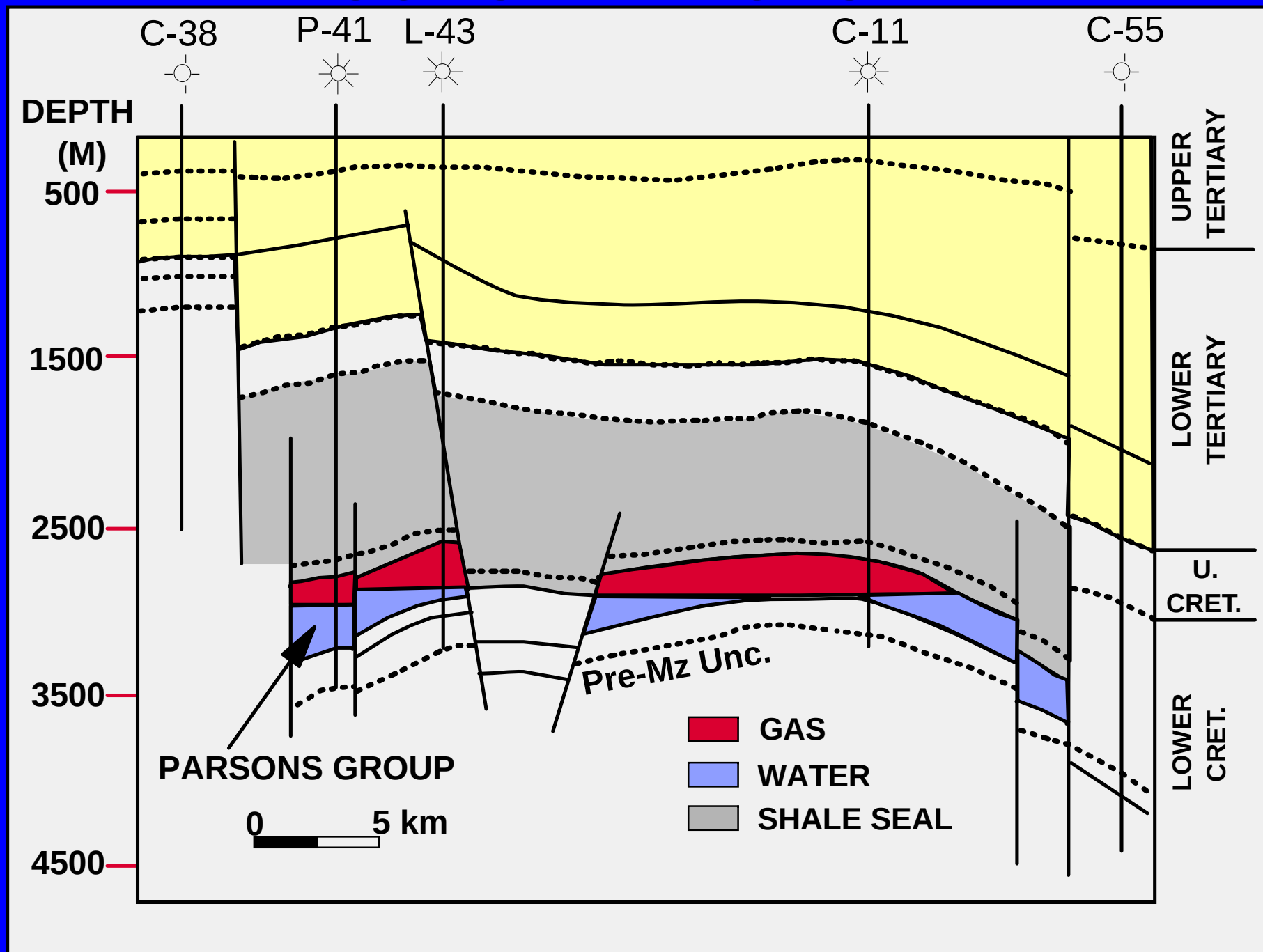


PARSONS LAKE GAS FIELD



Adapted from: G.R MORRELL, 1996

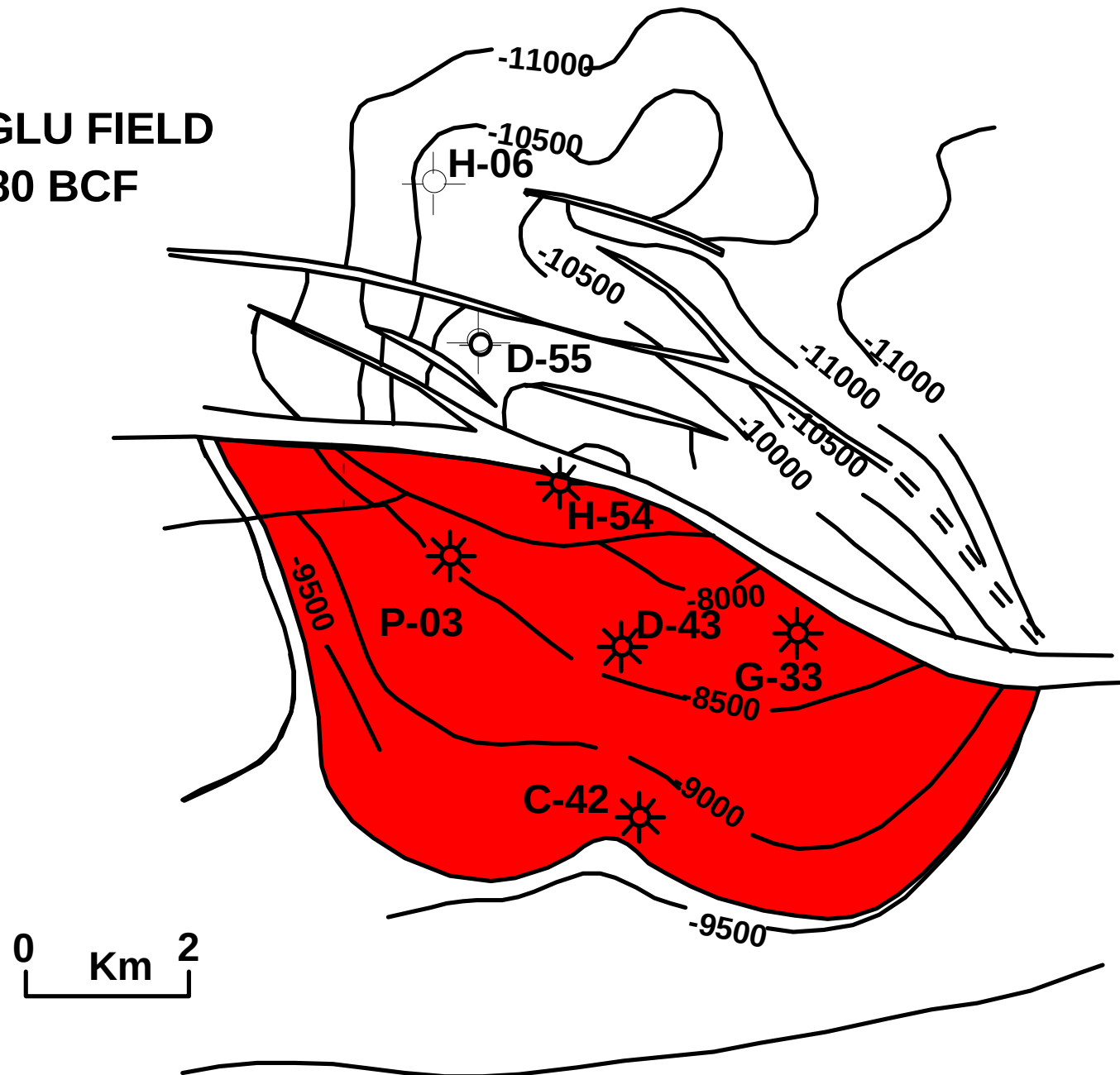
PARSONS LAKE GAS FIELD



Adapted from: R.A. Meneley, 1986

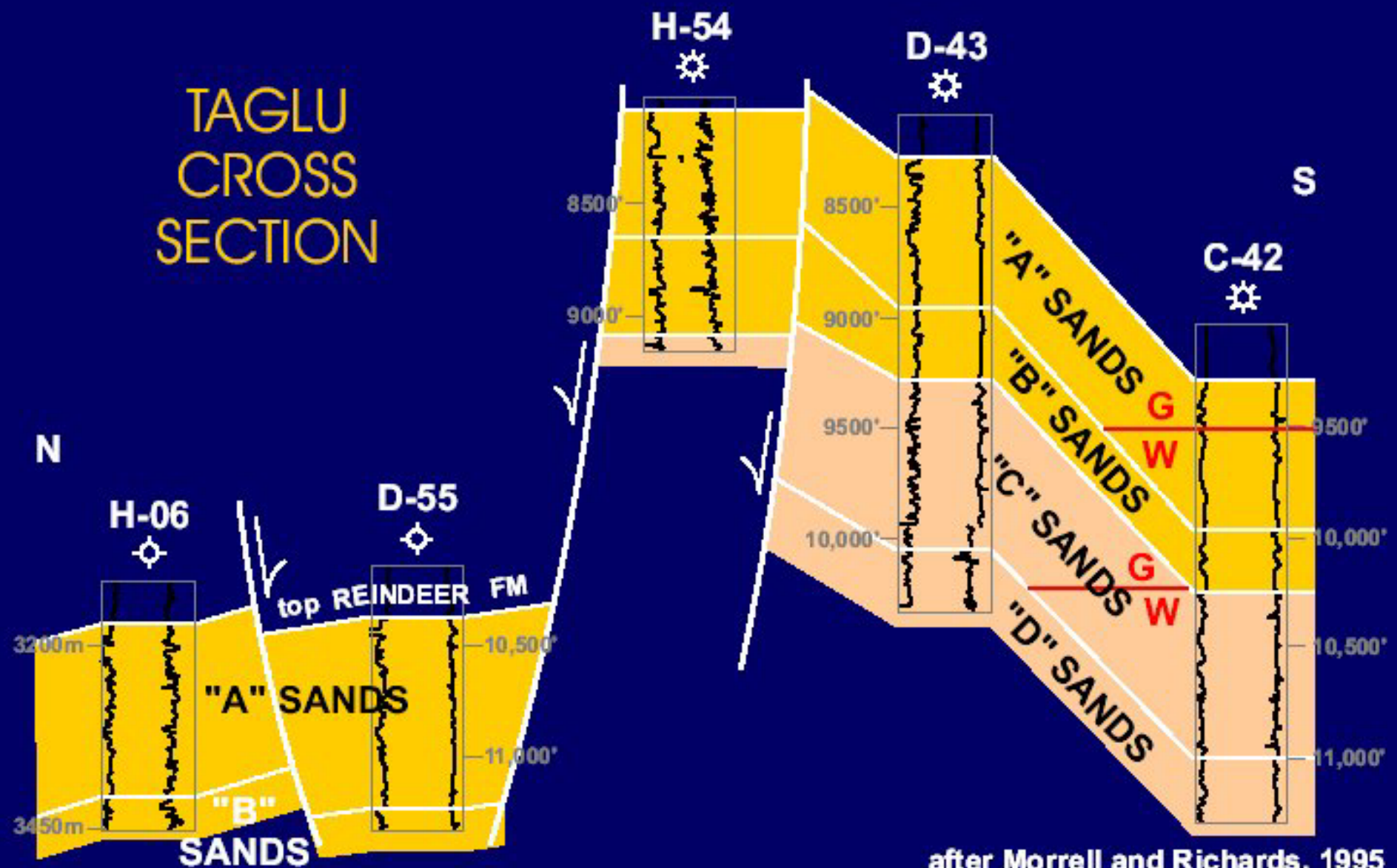
TAGLU STRUCTURE CONTOUR MAP

TAGLU FIELD
2,080 BCF



Adapted from: G.R MORRELL, 1996

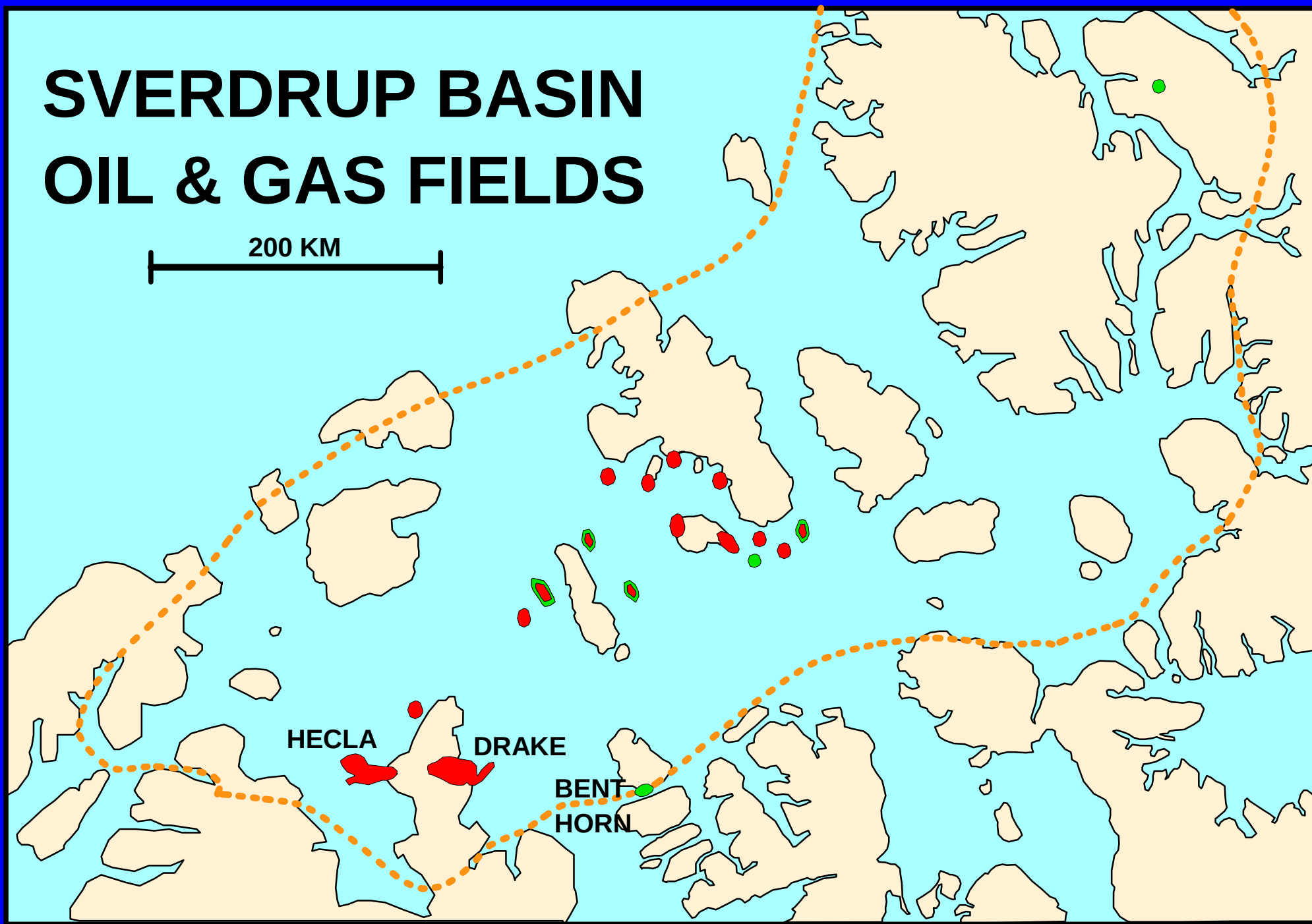
TAGLU CROSS SECTION



after Morrell and Richards, 1995

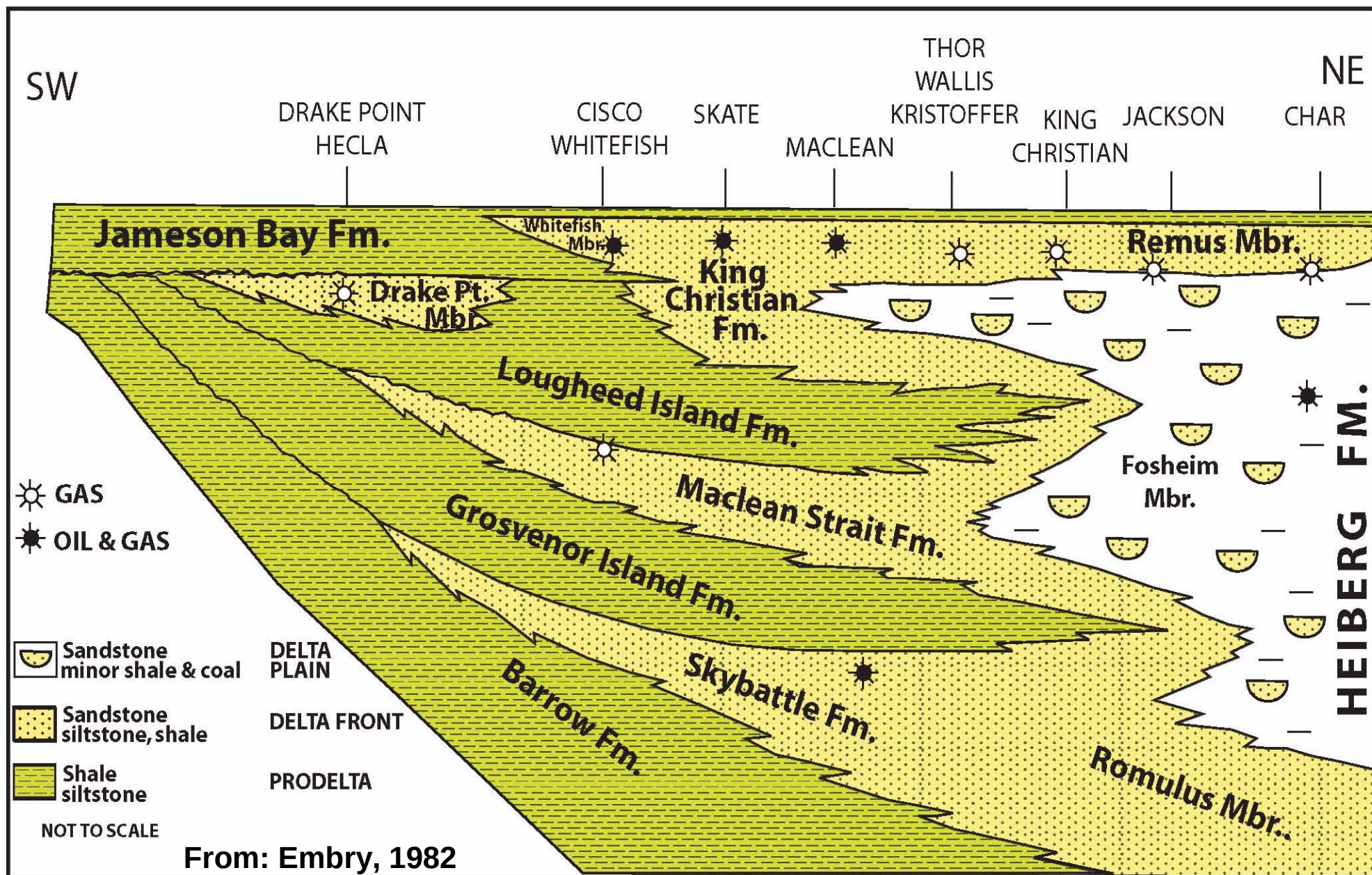
SVERDRUP BASIN OIL & GAS FIELDS

200 KM

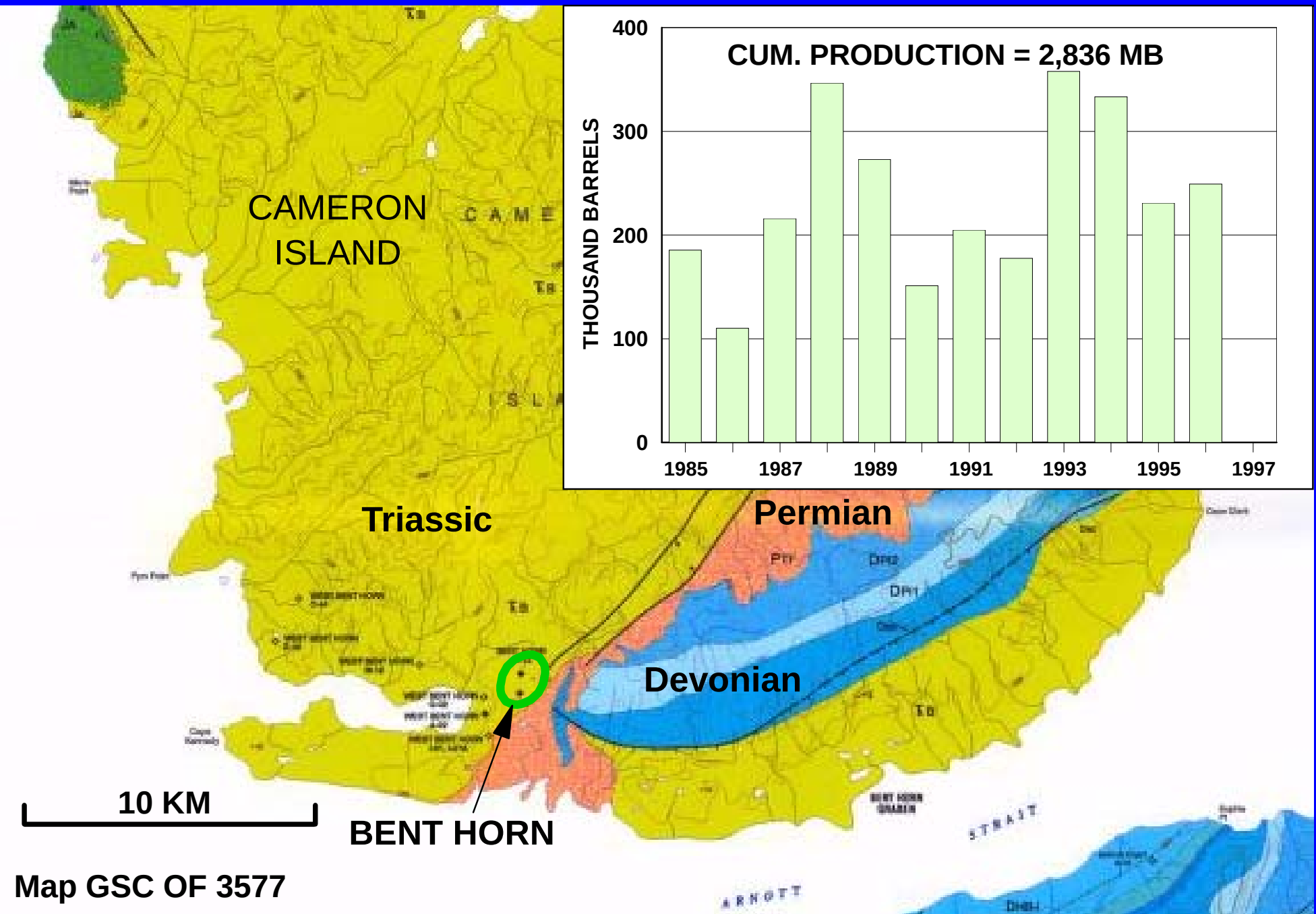


SVERDRUP BASIN

STRATIGRAPHIC DISTRIBUTION OF HYDROCARBONS

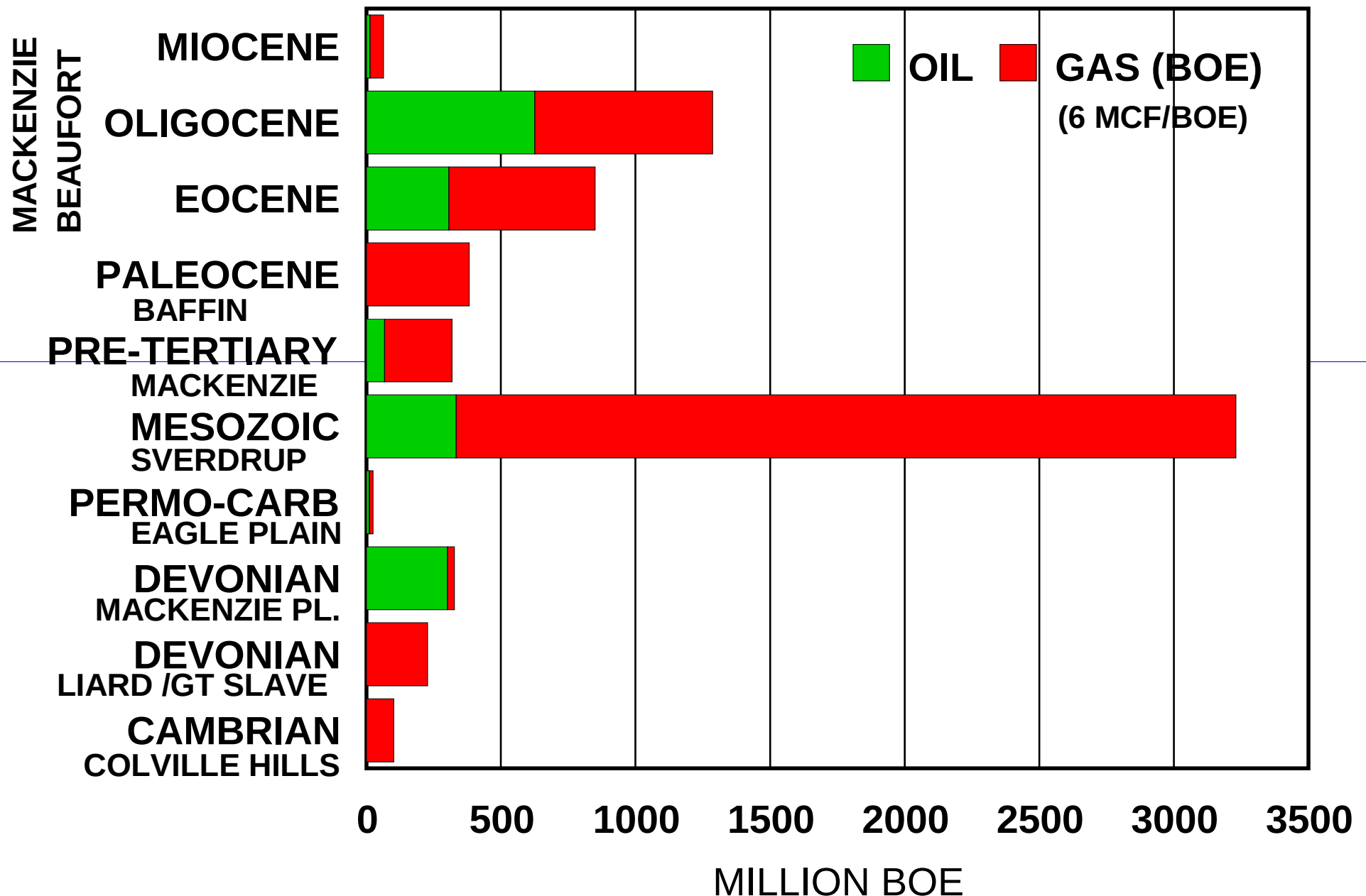


BENT HORN OIL FIELD, ARCTIC ISLANDS

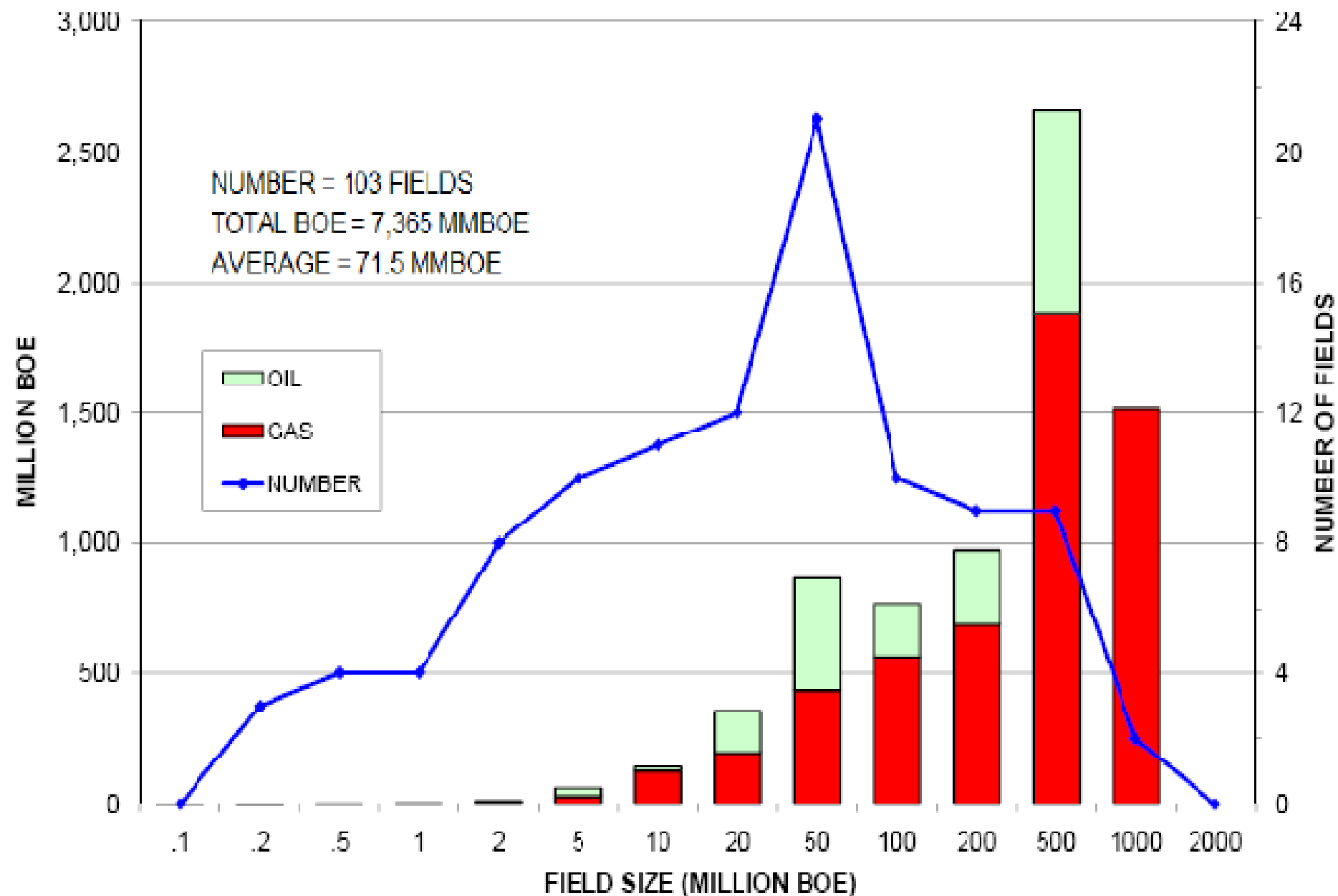


CANADA NORTH OF 60

DISCOVERED RESOURCES BY STRATIGRAPHIC SYSTEM



NORTHERN CANADA FIELD SIZE DISTRIBUTION



CANADA NORTH OF 60

RECOVERABLE OIL & GAS

	DISCOVERED OIL (MMB)	DISCOVERED GAS (BCF)
LIARD PLATEAU	0	864
GREAT SLAVE PLAIN	4	114
MACKENZIE PLAIN	302	0
COLVILLE HILLS	0	832
EAGLE PLAINS	12	84
MACKENZIE DELTA	248	6,282
BEAUFORT SEA	1,010	4,868
SVERDRUP BASIN	335	17,383
BAFFIN BAY	0	2,300
TOTAL	1,911	32,727

CONCLUSIONS

- **CANADA'S SEDIMENTARY BASINS NORTH OF 60 HAVE LARGE DISCOVERED RESOURCES OF OIL AND GAS RANGING IN AGE FROM CAMBRIAN TO TERTIARY**
 - **DISCOVERED - 1.9 MMB OF OIL & 32.7 TCF OF NATURAL GAS**
 - **A TOTAL OF 1,590 WELLS DRILLED IN AN AREA OF 965,255 SQUARE MILES**
 - **1 WELL / 607 SQUARE MILES**
 - **CANADA'S NORTHERN BASINS ARE IMMATURE AND HAVE SIGNIFICANT UNDISCOVERED OIL AND GAS POTENTIAL**