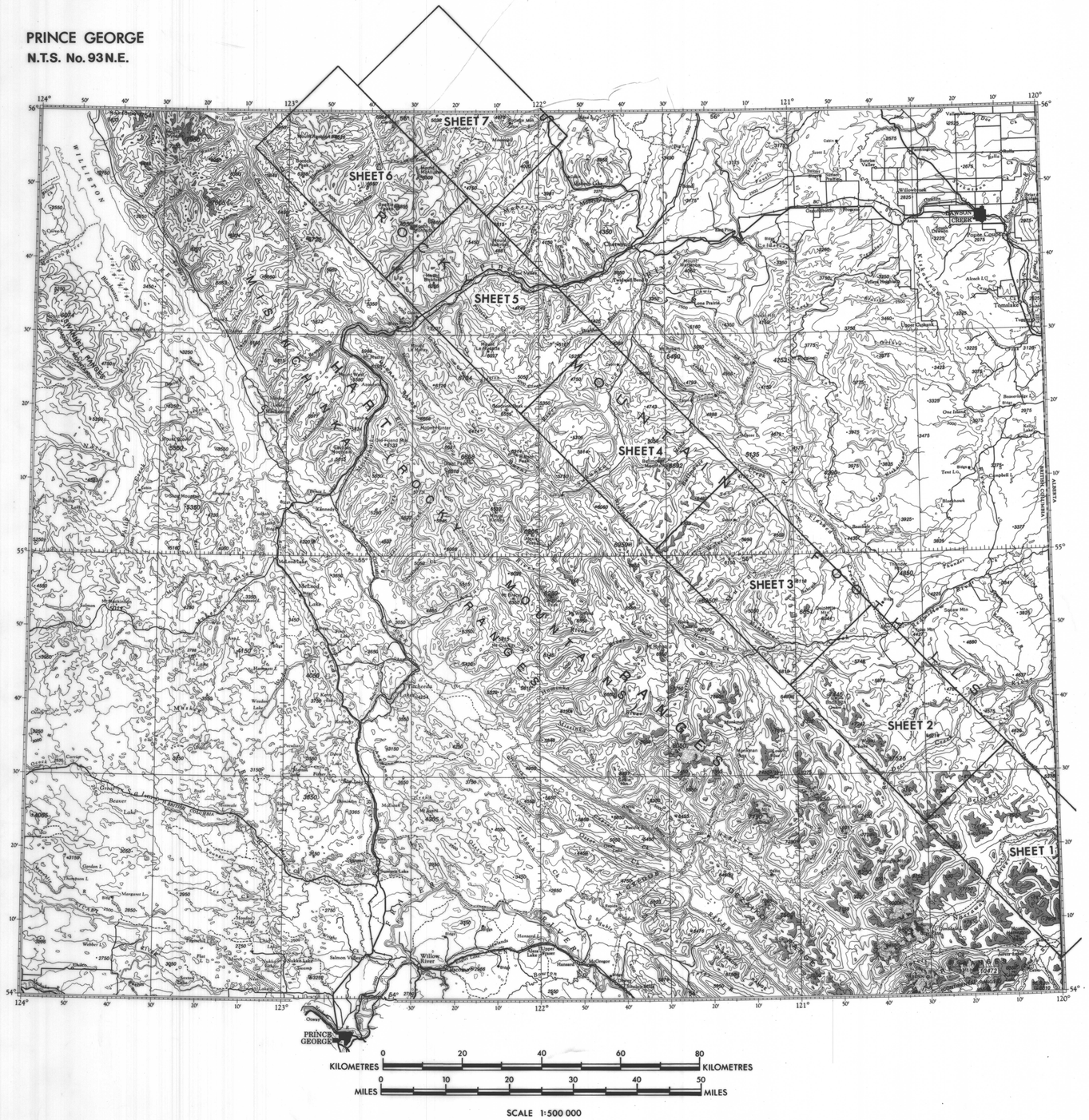
PM35

PRINCE GEORGE
N.T.S. No. 93N.E.



SCALE 1:500 000

Province of British Columbia
Ministry of Mines and Petroleum Resources

COAL RESOURCES
PEACE RIVER COALFIELD
NORTHEASTERN BRITISH COLUMBIA

PRELIMINARY MAPS

THIS SET OF SEVEN GEOLOGICAL MAPS WAS ORIGINALLY COMPILED AS PART OF AN ILLUSTRATIVE GUIDE ACCOMPANYING THE COAL RESOURCE EVALUATION REPORT OF THE NORTHEAST COAL STUDY (AVAILABLE FROM THE QUEEN'S PRINTER). NOW, THEY HAVE BEEN RELEASED AS PRELIMINARY MAPS, AT THEIR ORIGINAL SCALE OF 1:50 000. (THEY ARE ALSO AVAILABLE IN THE FORM OF A 'MINI–ATLAS' AT A SCALE OF 1:125 000 SHOWING ADDITIONAL COAL RESOURCE DATA.) IT IS INTENDED TO UPDATE THE PRELIMINARY MAPS AS NEW INFORMATION AND INTERPRETATIONS BECOME AVAILABLE.

AS SHOWN ON THE ACCOMPANYING INDEX MAP, THE LENGTHS OF THE MAPS PARALLEL THE TREND OF THE COALFIELD, THAT IS, NORTHWEST–SOUTHEAST. THE MAPS HAVE TOPOGRAPHIC CONTOURS (IN FEET) AND WATER COURSES DERIVED FROM THE NATIONAL TOPOGRAPHICAL SURVEY MAP SERIES. THE GEOLOGY WAS COMPILED BY B. P. FLYNN, UNDER THE GENERAL SUPERVISION OF THE AUTHOR, FROM GEOLOGICAL SURVEY OF CANADA OPEN FILE MAPS, FROM MAPS SUBMITTED (PRIOR TO OCTOBER 1976) BY THE COMPANIES HOLDING THE COAL LICENCES, AND FROM RECONNAISSANCE MAPPING BY THE BRITISH COLUMBIA MINISTRY OF MINES AND PETROLEUM RESOURCES.

R. D. GILCHRIST
NOVEMBER 1978

PRELIM. MAP #33

INDEX MAP

Pg. 1

PRELIMINARY MAP #33

PM 33


SEE SHEET 2
Belcourt Lake
Winfrey Cr.
Medallion Lakes
SHERMAN MEADOWS
Base Line Lake
OMEGA HILL
PTARMIGAN MTN.
MT. TORRENS
DINOSAUR RIDGE
TORRENS RIDGE
HORN RIDGE
MT. GORMAN
COAL RIDGE
DEAD HORSE MEADOWS
Mouse Cache Cr.
SECUS MTN.
NEKIK MTN.
MUINOK MTN.
MEOSIN MTN.
Torrens
Narraway River
Haning ton Creek
Stinking Cr.
Lick Creek
Gorman Cr.
BRITISH COLUMBIA / ALBERTA
SHEET 1
PEACE RIVER COALFIELD
NORTHEASTERN BRITISH COLUMBIA
Province of British Columbia
Ministry of Mines and Petroleum Resources
MILES 0 1 2 3 MILES
KILOMETRES 0 1 2 3 4 KILOMETRES
SCALE 1:50 000
GEOLOGICAL LEGEND
CENOZOIC
QUATERNARY
Q PLEISTOCENE AND RECENT
MESOZOIC
CRETACEOUS
LOWER CRETACEOUS
FORT ST. JOHN GROUP
KS SHAFTESBURY OR HASLER FORMATIONS AND YOUNGER
KCmb COMMOTION FORMATION: BOULDER CREEK MEMBER
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KCmg COMMOTION FORMATION: GATES MEMBER
KCmg(u) UPPER GATES MEMBER
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KM MOOSEBAR FORMATION
BULLHEAD GROUP
KG GETHING FORMATION:
KG(u) UPPER GETHING FORMATION
KG(l) LOWER GETHING FORMATION
KCd CADOMIN FORMATION
JURASSIC AND CRETACEOUS
LOWER CRETACEOUS AND EARLIER
JKM MINNES GROUP
PALEOZOIC AND MESOZOIC
P UNDIVIDED
GEOLOGICAL BOUNDARY: DEFINED OR APPROXIMATE; INFERRED
BEDDING: INCLINED; HORIZONTAL; VERTICAL; OVERTURNED
ANTICLINAL AXIS; ANTICLINAL AXIS WITH PLUNGE
SYNCLINAL AXIS; SYNCLINAL AXIS WITH PLUNGE
OVERTURNED ANTICLINE
OVERTURNED SYNCLINE
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NORMAL FAULT: DEFINED OR APPROXIMATE; INFERRED

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As shown on the accompanying index map, the lengths of the maps parallel the trend of the coalfield, that is, northwest-southeast. The maps have topographic contours (in feet) and water courses derived from the National Topographical Survey Map Series. The geology was compiled by B. P. Flynn, under the general supervision of the author, from Geological Survey of Canada open file maps, from maps submitted (prior to October 1976) by the companies holding the coal licences, and from reconnaissance mapping by the British Columbia Ministry of Mines and Petroleum Resources.

Pg. 2

PM33

PRE. MAP #33

Flatbed CREEK
MT. DUKE
Fearless Creek
Onion Creek
SEE SHEET 3
SEE SHEET 1
MINNES GROUP CONGLOMERATE ?
BONE MTN.
Onion Lake
Wapiti River
Wapiti Lake
MT. BECKER
Red Deer Creek
Winfrey Cr.
MT. BELCOURT
Falls
Rapids
SHEET 2
PEACE RIVER COALFIELD
NORTHEASTERN BRITISH COLUMBIA
Province of British Columbia
Ministry of Mines and Petroleum Resources
MILES 0 1 2 3 MILES
KILOMETRES 0 1 2 3 4 KILOMETRES
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PM33

Pg. 3

PRE. MAP 33

SEE SHEET 4

SEE SHEET 2

SHEET 3

PEACE RIVER COALFIELD

NORTHEASTERN BRITISH COLUMBIA

Province of British Columbia
Ministry of Mines and Petroleum Resources

MILES 0 1 2 3 MILES
KILOMETRES 0 1 2 3 4 KILOMETRES

SCALE 1:50 000

GEOLOGICAL LEGEND

CENOZOIC
- Q — QUATERNARY — PLEISTOCENE AND RECENT

MESOZOIC
- CRETACEOUS
- LOWER CRETACEOUS
- FORT ST. JOHN GROUP
- KS — SHAFTESBURY OR HASLER FORMATIONS AND YOUNGER
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- KCmg — COMMOTION FORMATION: GATES MEMBER
- KCmg(u) — UPPER GATES MEMBER
- KCmg(l) — LOWER GATES MEMBER
- KM — MOOSEBAR FORMATION

MESOZOIC AND MESOZOIC
- BULLHEAD GROUP
- KG — GETHING FORMATION:
- KG(u) — UPPER GETHING FORMATION
- KG(l) — LOWER GETHING FORMATION
- KCd — CADOMIN FORMATION
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- JKM
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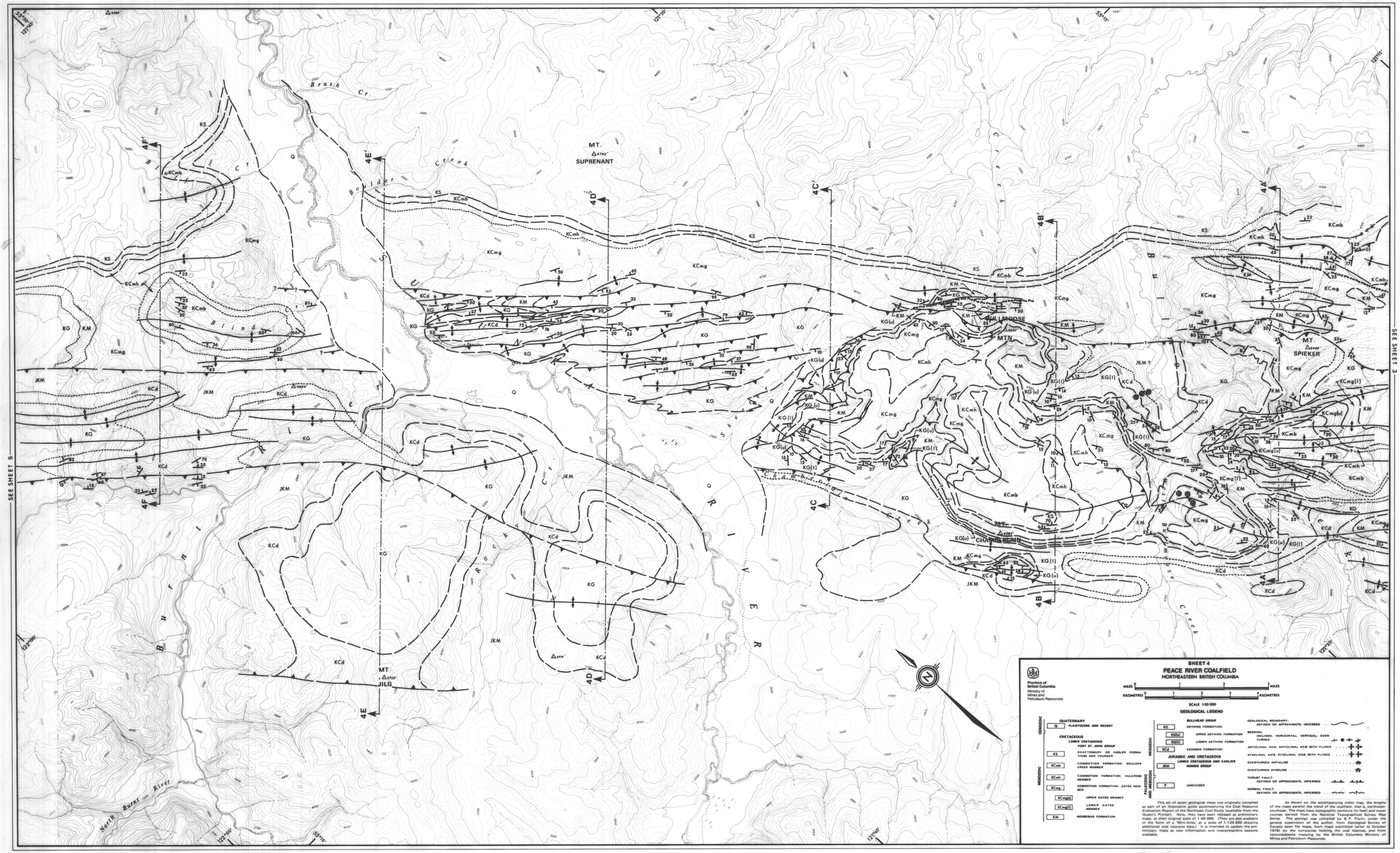

SHEET 4

PEACE RIVER COALFIELD

NORTHEASTERN BRITISH COLUMBIA

Province of British Columbia
Ministry of Mines and Petroleum Resources

MILES 0 1 2 3 MILES

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SCALE 1:50 000

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MESOZOIC

- KG — BULLHEAD GROUP: GETHING FORMATION:
  - KG(u) — UPPER GETHING FORMATION
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PRE. MAP #33 Pg. 5

SEE SHEET 6

SEE SHEET 4

SHEET 5
PEACE RIVER COALFIELD
NORTHEASTERN BRITISH COLUMBIA

Province of British Columbia
Ministry of Mines and Petroleum Resources

MILES 0 1 2 3 MILES
KILOMETRES 0 1 2 3 4 KILOMETRES

SCALE 1:50 000

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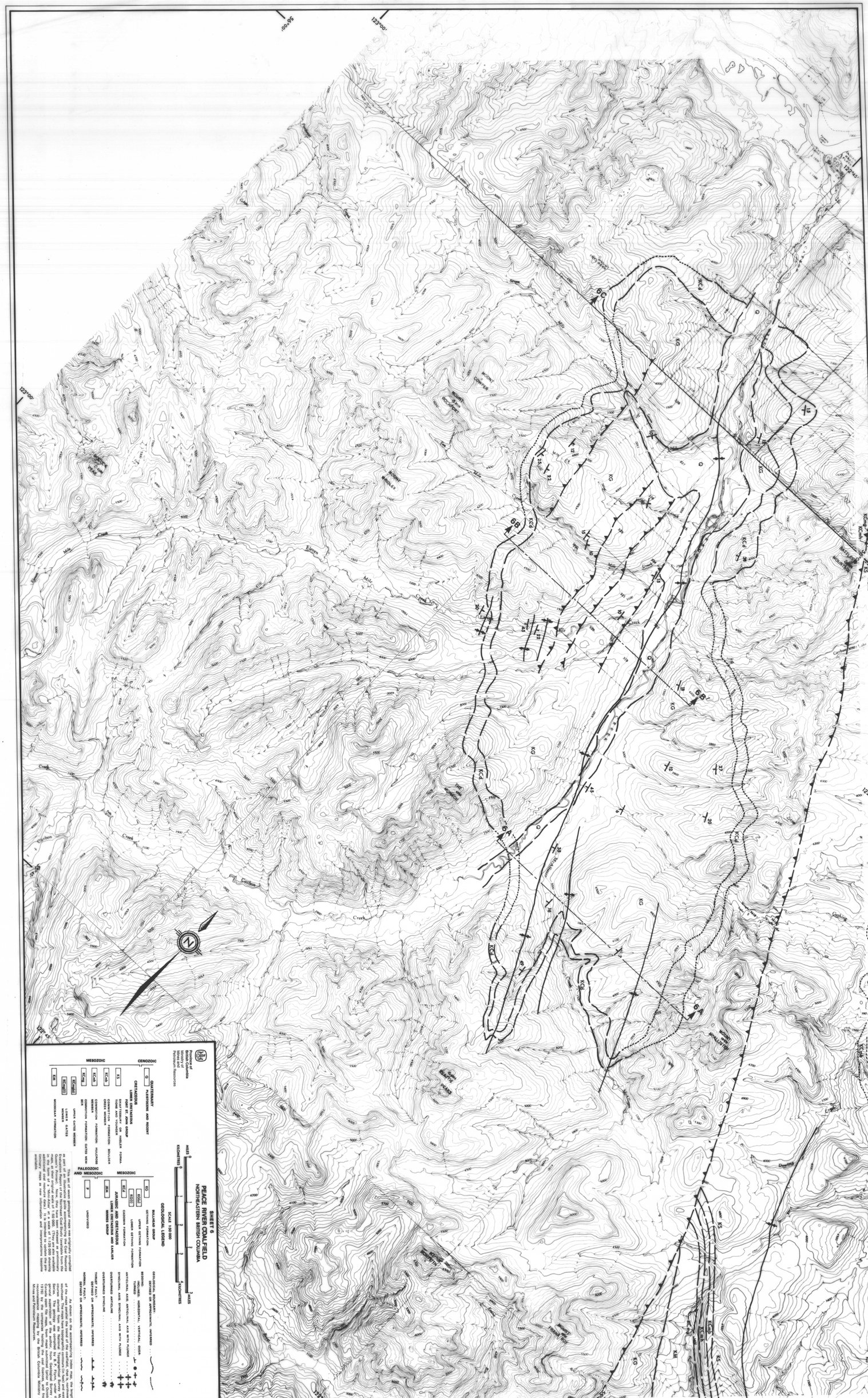

PRE. MAP #33

pg. 6

SHEET 6
PEACE RIVER COALFIELD
NORTHEASTERN BRITISH COLUMBIA

Province of British Columbia
Ministry of
Mines and
Petroleum Resources

MILES 0 1 2 3 MILES
KILOMETRES 0 1 2 3 4 KILOMETRES

SCALE 1:50 000

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LOWER CRETACEOUS

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MESOZOIC

BULLHEAD GROUP

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BEDDING:
INCLINED; HORIZONTAL; VERTICAL; OVERTURNED . . . . ● +

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SYNCLINAL AXIS; SYNCLINAL AXIS WITH PLUNGE . . . .

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OVERTURNED SYNCLINE . . . .

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DEFINED OR APPROXIMATE; INFERRED . . . ?

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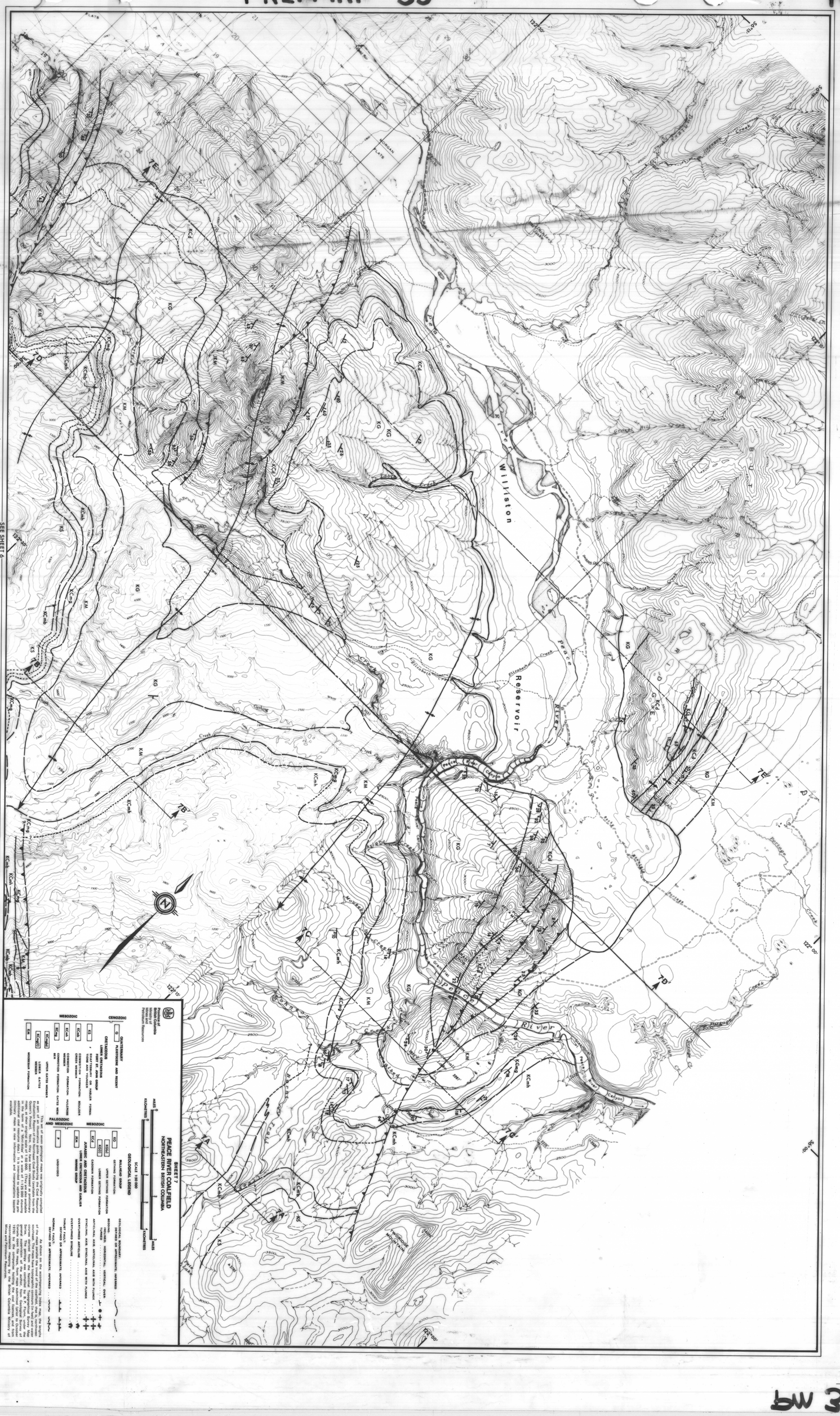
PRE. MAP #33

Pg. 7



BW 33