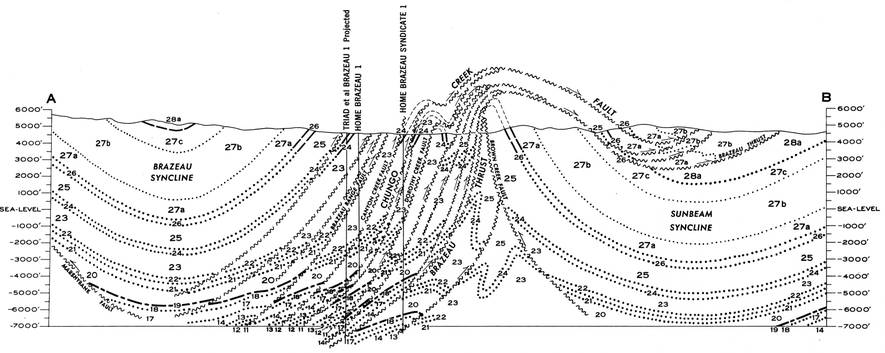
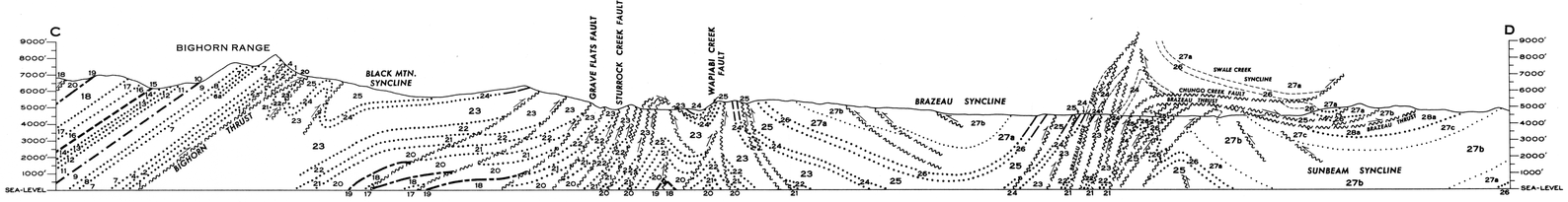
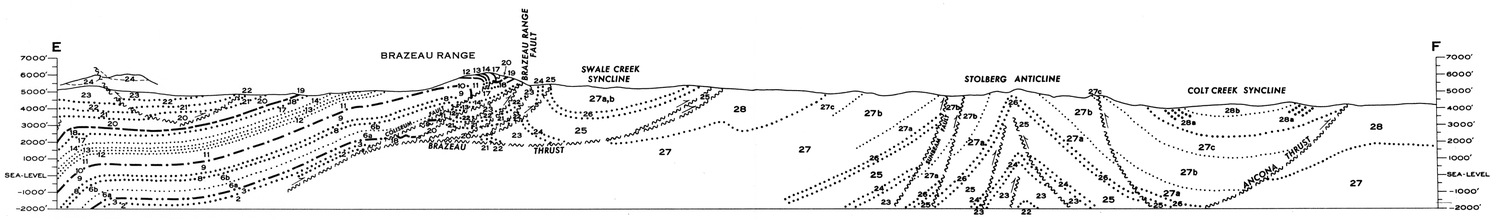
CANADA

DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA







DIAGRAMMATIC CROSS-SECTIONS ALONG LINES A-B, C-D, AND E-F

PRELIMINARY SERIES

SHEET 83 G/SW

LEGEND

CENOZOIC

TERTIARY
PALEOCENE

28 — PASKAPOO FORMATION: sandstone, conglomeratic sandstone, shale and coal seams; 28a, lower part, coal bearing; 28b, upper part

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS

27 — BRAZEAU FORMATION: greenish grey sandstone, conglomeratic sandstone and shale; 27a, lower part; 27b, middle part; 27c, upper part

ALBERTA GROUP (23-26)

26 — WAPIABI FORMATION (Upper part): sandstone, siltstone, concretionary shale, grit and conglomerate

25 — WAPIABI FORMATION (Lower part): fissile, silty and concretionary shale; siltstone, grit and conglomerate

24 — CARDIUM FORMATION: grey sandstone, siltstone, shale and conglomerate

23 — BLACKSTONE FORMATION: fissile, silty and concretionary shale; siltstone, grit and conglomerate

LOWER CRETACEOUS

22 — MOUNTAIN PARK FORMATION: green sandstone, shale

21 — LUSCAR FORMATION (Upper part): green sandstone and shale; coal seams

20 — LUSCAR FORMATION (Lower part): grey sandstone, fissile dark grey shale, thin coal seams

19 — CADOMIN FORMATION: chert and quartzite pebble conglomerate and conglomeratic sandstone

18 — NIKANASSIN FORMATION: grey sandstone, dark grey shale; thin coal seams

JURASSIC
FERNIE GROUP

17 — Shale, sandstone, limestone

TRIASSIC

16 — SPRAY RIVER FORMATION: thinly bedded siltstone and silty shale; dolomite

PALAEOZOIC

PENNSYLVANIAN?

15 — ROCKY MOUNTAIN FORMATION: massive chert, sandstone

MISSISSIPPIAN
RUNDLE GROUP (11-12)

14 — Dense and porous dolomite

13 — SHUNDA FORMATION: limestone, shale, breccia, anhydrite

12 — PEKISKO FORMATION: finely to coarsely crystalline limestone

11 — BANFF FORMATION: argillaceous and cherty limestone; fissile and calcareous shale

DEVONIAN

10 — EXSHAW FORMATION: fissile black shale

9 — PALLISER FORMATION: massive mottled limestone and dolomite; porous and vuggy dolomite; argillaceous limestone

8 — ALEXO FORMATION: siltstone, limestone, dolomite

FAIRHOLME GROUP (3-7)

6 — MOUNT HAWK FORMATION 6a (Lower part): greenish grey dolomitic shale; 6b (Upper part): dark grey argillaceous limestone; buff porous dolomite

7 — SOUTHESK FORMATION: massive, vuggy brown dolomite; equivalent to 6 and part of 5

5 — PERDRIX FORMATION: dark grey, fissile shale; thinly bedded limestone (in structure-section E-F only)

4 — CAIRN FORMATION: massive dark brown dolomite, cherty, fossiliferous dolomite; equivalent to 3 and part of 5

3 — FLUME FORMATION: limestone, dolomite (in structure-section E-F only)

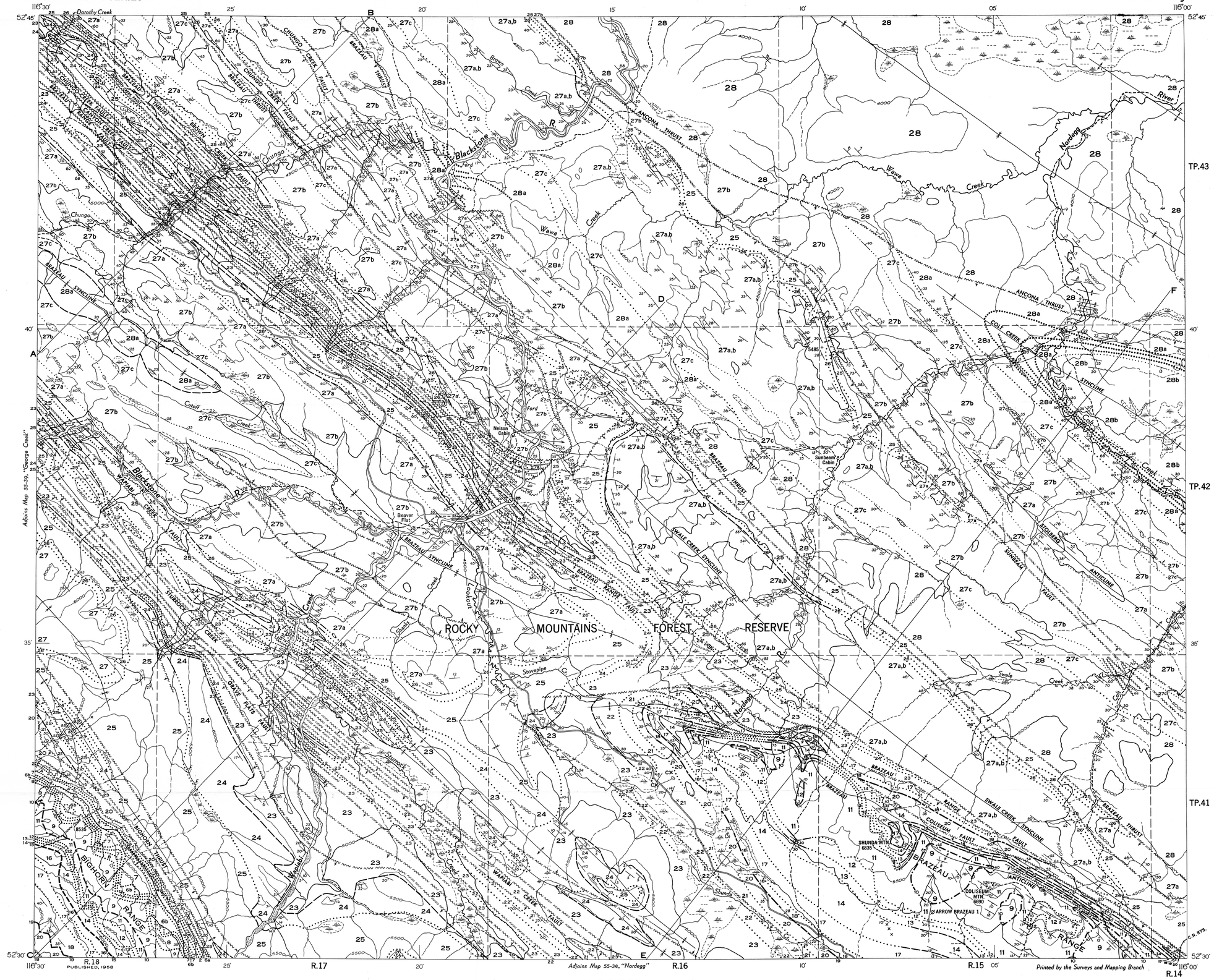
CAMBRIAN OR LATER

2 — GHOST RIVER ? FORMATION: dolomite and arenaceous dolomite

CAMBRIAN
UPPER CAMBRIAN

1 — FORMATION C: green and red shale; dolomite and arenaceous dolomite

Rock outcrop
Geological boundary (approximate, assumed)
Bedding (horizontal, inclined, vertical, overturned)
Fault (showing direction of dip)
Fault (presence or position uncertain)
Anticlinal axis (defined, approximate)
Synclinal axis (defined, approximate)
Anticline or syncline (arrow indicates plunge)
Coal outcrop and trace of seam — CX
Well (abandoned) — Ø



Geology by B. R. MacKay, 1938, 1939, 1941,
R. J. W. Douglas, 1953, 1954

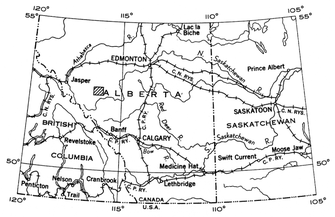
Cartography by Geological Cartography Unit, 1958

Air photographs covering this area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario

In response to public demand for earlier publication, Preliminary Series maps are now being issued in this simplified form, thereby effecting a substantial saving in time. There is no loss of information, but the maps will be clearer to read if all or some of the map-units are hand-coloured.

This document was produced by scanning the original publication.

Ce document est le produit d'une numérisation par balayage de la publication originale.



MAP 6-1958
TO ACCOMPANY PAPER 58-3

CHUNGO CREEK

WEST OF FIFTH MERIDIAN

ALBERTA

Scale: One Inch to One Mile = $\frac{1}{63,360}$

Miles

1 ½ 0 1 2 3

Approximate magnetic declination, 24° 21' East

Printed by the Surveys and Mapping Branch

LEGEND

Road not well travelled
Trail
Building
Township boundary (unsurveyed)
Stream (position approximate)
Intermittent stream
Falls
Marsh
Sand or gravel
Contours (interval 500 feet)
Height in feet above mean sea-level — 5485

MAP 6-1958
CHUNGO CREEK
ALBERTA
SHEET 83 G/SW