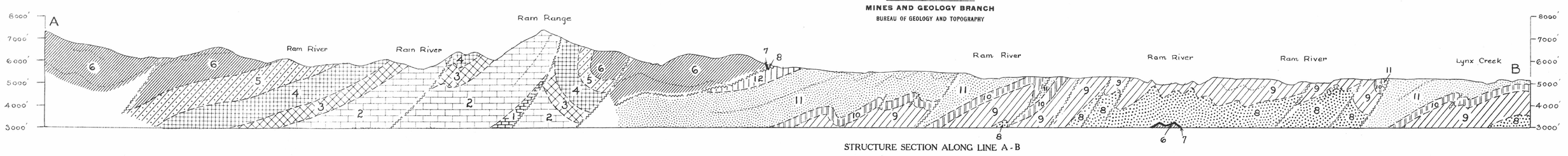
CANADA

DEPARTMENT OF MINES AND RESOURCES

MINES AND GEOLOGY BRANCH

BUREAU OF GEOLOGY AND TOPOGRAPHY



STRUCTURE SECTION ALONG LINE A - B

GEOLOGICAL SURVEY

LEGEND

CRETACEOUS

UPPER CRETACEOUS

12 — *BRAZEAU FORMATION: sandstone, shale, conglomerate; a few thin coal seams; volcanic ash beds*

11 — *WAPIABI FORMATION: dark marine shale and sandy shale, ferruginous limestone concretions. Upper beds transitional into Brazeau*

10 — *BIGHORN FORMATION: siliceous sandstone, sandy shale and dark marine shale; conglomerate*

9 — *BLACKSTONE FORMATION: chiefly black marine shale; sandy shale, ferruginous limestone concretions*

LOWER CRETACEOUS

8 — *LUSCAR AND MOUNTAIN PARK FORMATIONS: grey and green sandstone and sandy shale; black and grey carbonaceous shale; conglomerate; coal seams in Luscar*

7 — *CADOMIN FORMATION: chiefly chert and quartzite pebble-conglomerate*

JURASSIC AND CRETACEOUS

6 — *FERNIE GROUP (Jurassic): mainly black marine shale and sandy shale; NIKANASSIN FORMATION (Lower Cretaceous): buff, crossbedded sandstone; dark, siliceous, carbonaceous sandstone; sandy shale; coal seams*

TRIASSIC

5 — *SPRAY RIVER FORMATION: brown, platy sandstone; minor interbedded limestone and dolomite*

MESOZOIC

CARBONIFEROUS

MISSISSIPPIAN

4 — *RUNDLE FORMATION: grey and brown, massive and bedded, porous and dense limestone and dolomite; chert bands near top*

3 — *BANFF FORMATION: dark grey shaly limestone; chert bands and platy, brown-weathering shaly limestone in lower part*

DEVONIAN

UPPER DEVONIAN

2 — *Brown, saccharoidal dolomite; brown and grey, porous and vuggy, crystalline limestone and dolomite; yellow-green sandstone; several feet of black, fissile shale (Exshaw formation ?) at top*

CAMBRIAN

UPPER CAMBRIAN

1 — *Dense, bedded, yellow and buff, calcareous dolomite and dolomite; grey, massive, oolitic and trilobite-bearing limestone, with interbedded green, fissile shale; limestone-pebble conglomerate; glauconitic limestone*

PALAEOZOIC

Rock outcrop (bedding not determinable) ..... ×

Bedding (horizontal, inclined, vertical, overturned) ..... + ⁄ ⁄ ⁄

Fault .....

Anticlinal axis .....

Synclinal axis .....

Coal outcrop (seam 1 foot or more in thickness) ..... ✠

Fossil locality ..... Ⓕ

Geology by O. A. Erdman, 1945

Trail .....

Township boundary, unsurveyed .....

Surveyed and compiled by the Topographical Survey. Issued 1946

PRELIMINARY MAP 46-22A

CRIPPLE CREEK

WEST OF FIFTH MERIDIAN

ALBERTA

Scale:- 2 inches to 1 mile

1 ½ 0 1 2