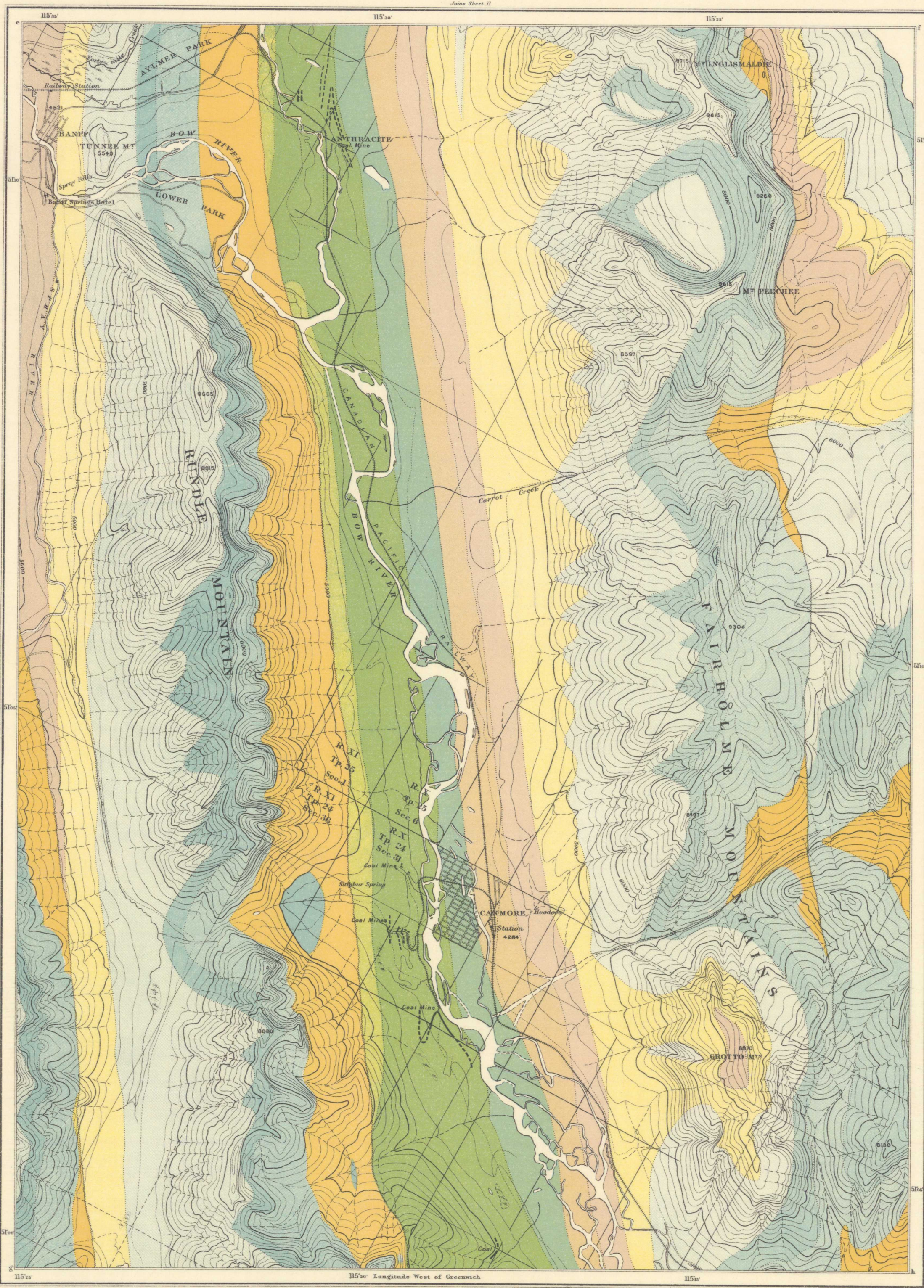


Cross-Section along line e-f

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Explanation of Colours and Signs

- Cretaceous**
  - Upper Ribbed Sandstone (Dakota)
  - Kootenai Coal Measures
  - Kootenai Lower Ribbed Sandstone
- Jurassic**
  - Ferric Shale
- Permian (?)**
  - Upper Banff Shale
- Carboniferous**
  - Rocky Mountain Quartzite
  - Upper Banff Limestone
  - Lower Banff Shale
  - Lower Banff Limestone
- Devonian**
  - Intermediate Limestone
- Silurian and Cambrian**
  - Castle Mountain Group
- Geological boundaries
  - do do (undefined)
- Faults
- 7765 Heights in feet above sea-level
- Coal seams
- Contour Interval, 200 feet



GEOLOGICAL NOTES

Upper Ribbed Sandstone. - Near Banffhead this consists of 550 feet of thin bedded sandstones and brown shales. Near the base the sandstone beds are thicker and coarser in texture.

Kootenai Coal Measures. - 2500 feet of sandstone and brown and black shales. The lowest coal seam is above a heavy bed of sandstone.

Kootenai Lower Ribbed Sandstone. - Similar to those above the coal measures. On Cascade river the thickness is 1000 feet but is less in the north.

Ferric Shale. - Black shales with greyish sandstone in thin beds in lower part, 1500 feet on the Cascade river represents the general average thickness.

Upper Banff Shale. - 100 feet of dolomitic limestone caps 1200 feet of reddish and brownish shales; the latter, near the base, are almost fine grained sandstone.

Rocky Mountain Quartzite. - Light yellowish and almost white fine-grained sandstone 800 feet.

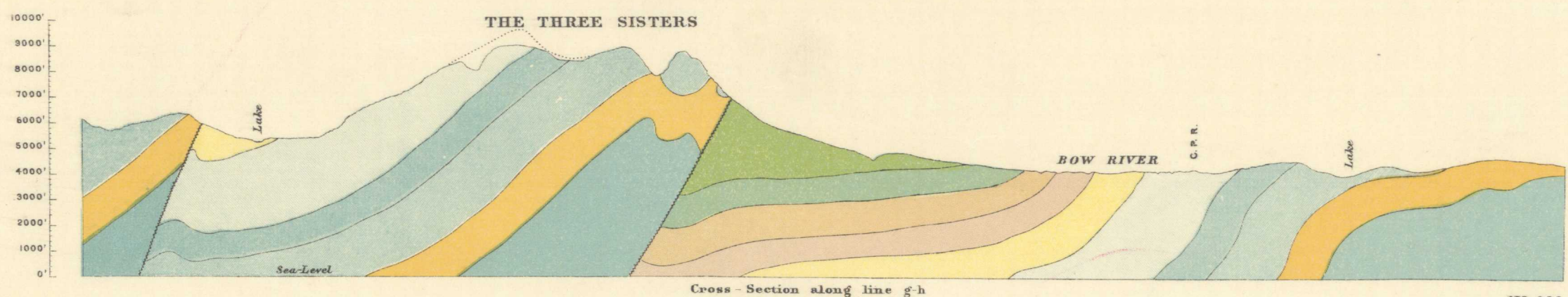
Upper Banff Limestone. - Bluish white limestone generally thin bedded. Dark shale bands appear near the base. Thickness varies from 2500 to 3000 feet.

Lower Banff Shale. - Dark shales with thin limestone bands. The lower part is generally a heavy bed of brownish weathering shale. Thickness 1000 to 1500 feet.

Lower Banff Limestone. - Evenly bedded massive limestone weathering in bold cliffs. Total thickness about 2000 feet.

Intermediate Limestone. - Brownish dolomitic limestone. Weathered surface yellowish in colour. Total thickness about 1500 feet.

Castle Mountain Group. - The rocks referred to this formation on the Bow river are thin bedded shaly limestones with zones of copper ore.



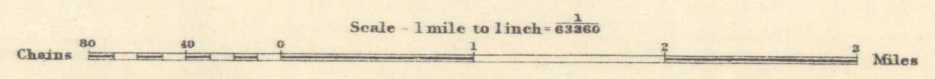
Cross-Section along line g-h

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C. O. Senecal, B.A.Sc. Geographer & Chief Draughtsman.

Geological Map of the  
CASCADE COAL BASIN  
ALBERTA  
Sheet III, Canmore  
To illustrate Report by  
D. B. DOWLING, B.A.Sc.

Sources of Information  
Maps of the Topographical Survey Branch, Department of Interior, 1885-90, with minor additions by D. B. Dowling  
Compilation by H. LeFebvre, B.A.Sc.



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Canmore  
5.1.1  
A. Geol.  
Cascade Coal Basin. Sheet 3, Canmore.  
no. 933

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