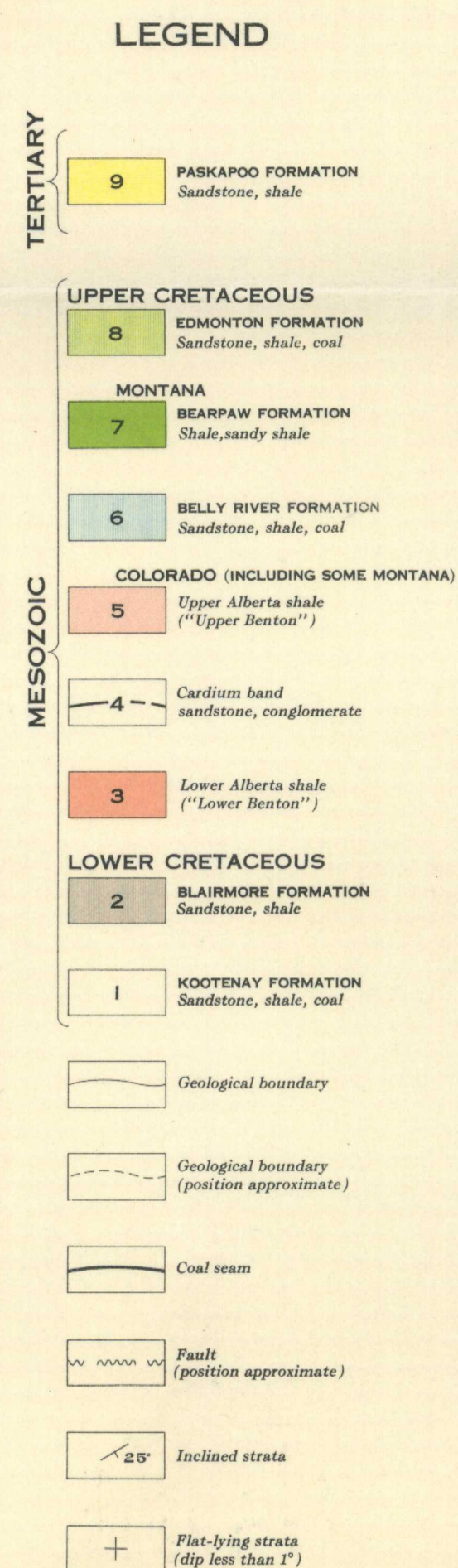


Issued 1931



NOTE 1. Many of the faults encountered by drilling in Turner Valley are not shown. The Cardium outcrops only on Sheep River but presumably occurs elsewhere under the drift. Both below and above it are this pebble zone which represent other Cardium bands farther west.

NOTE 2. This fault has not been observed south of Section 8, Township 20, Range 2. Presumably it continues southward. It is a low angle thrust from the west. The fault plane is thought to underlie the whole of Turner Valley and has been encountered there in drilling. The whole foothills belt is considered to be a series of fault blocks thrust eastward over the flat-lying strata of the Plains.

NOTE 3. Intricate folding and faulting is present in Edmonton strata.

NOTE 4. Strata are closely folded.

NOTE 5. No outcrops occur; the positions of geological boundaries suggested by the topography.

Geology by G. S. Hume, 1926, and 1929.

**RELATED PUBLICATIONS.**

MEMOIR 122: Sheep River (Turner Valley) Gas and Oil Field, Alberta; by S. E. Slipper, 1921; (out of print).

SUMMARY REPORT, 1926, PART B: Turner Valley Oil Area, Alberta; by G. S. Hume.

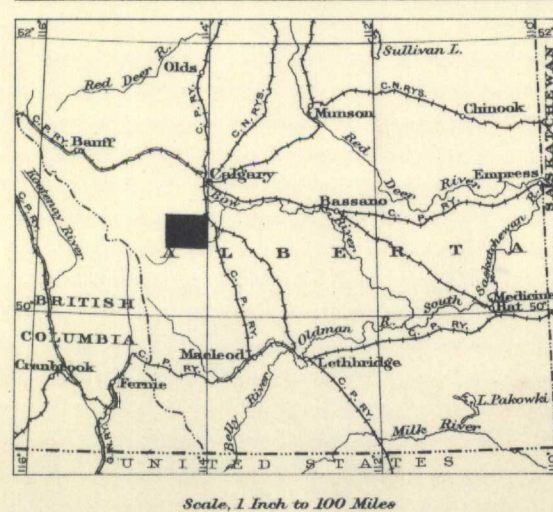
ECONOMIC GEOLOGY SERIES, NO. 5: Oil and Gas in Western Canada; by G. S. Hume.

MAP 204A: Calgary Sheet (geological), Alberta; scale, 1 inch to 8 miles; 1928; (out of print).

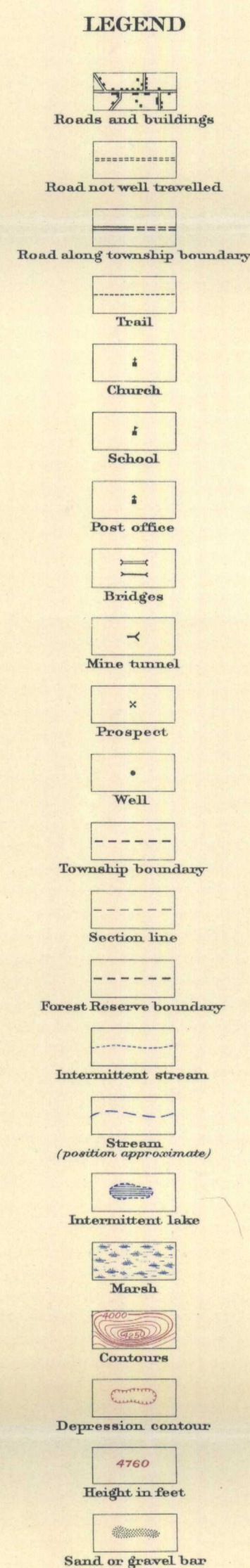
PUBLICATION NO. 2151: Sections supplementing Map 204A, Calgary Sheet, Alberta; 1928.

SUMMARY REPORT, 1929, PART B: Notes on Turner Valley, etc.; by G. S. Hume.

Sheet of geological sections supplementing MAP 257A, Turner Valley Sheet; by G. S. Hume; (in course of preparation).

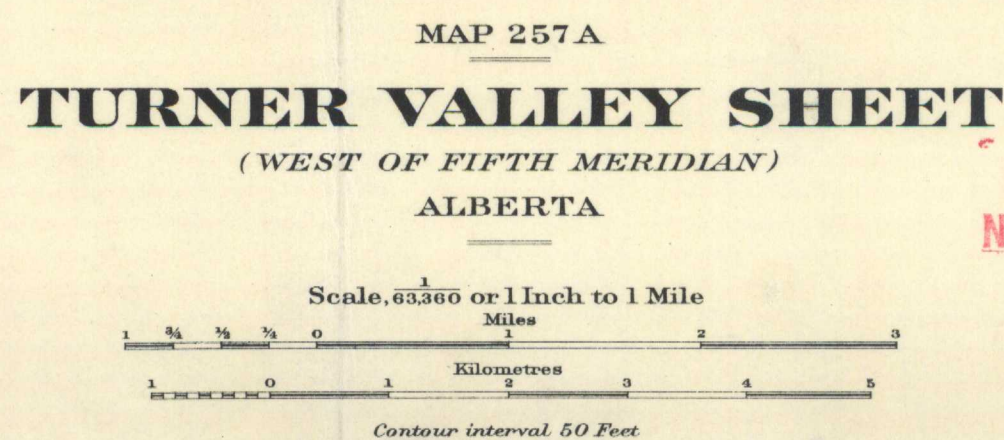
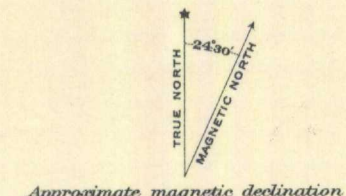


Scale, 1 inch to 100 Miles



Elevations referred to Mean sea level

**TOPOGRAPHY**  
W. H. Boyd, Chief Topographical Engineer  
Survey and topography by A. C. T. Sheppard, 1926  
and J. W. Spence, 1927



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