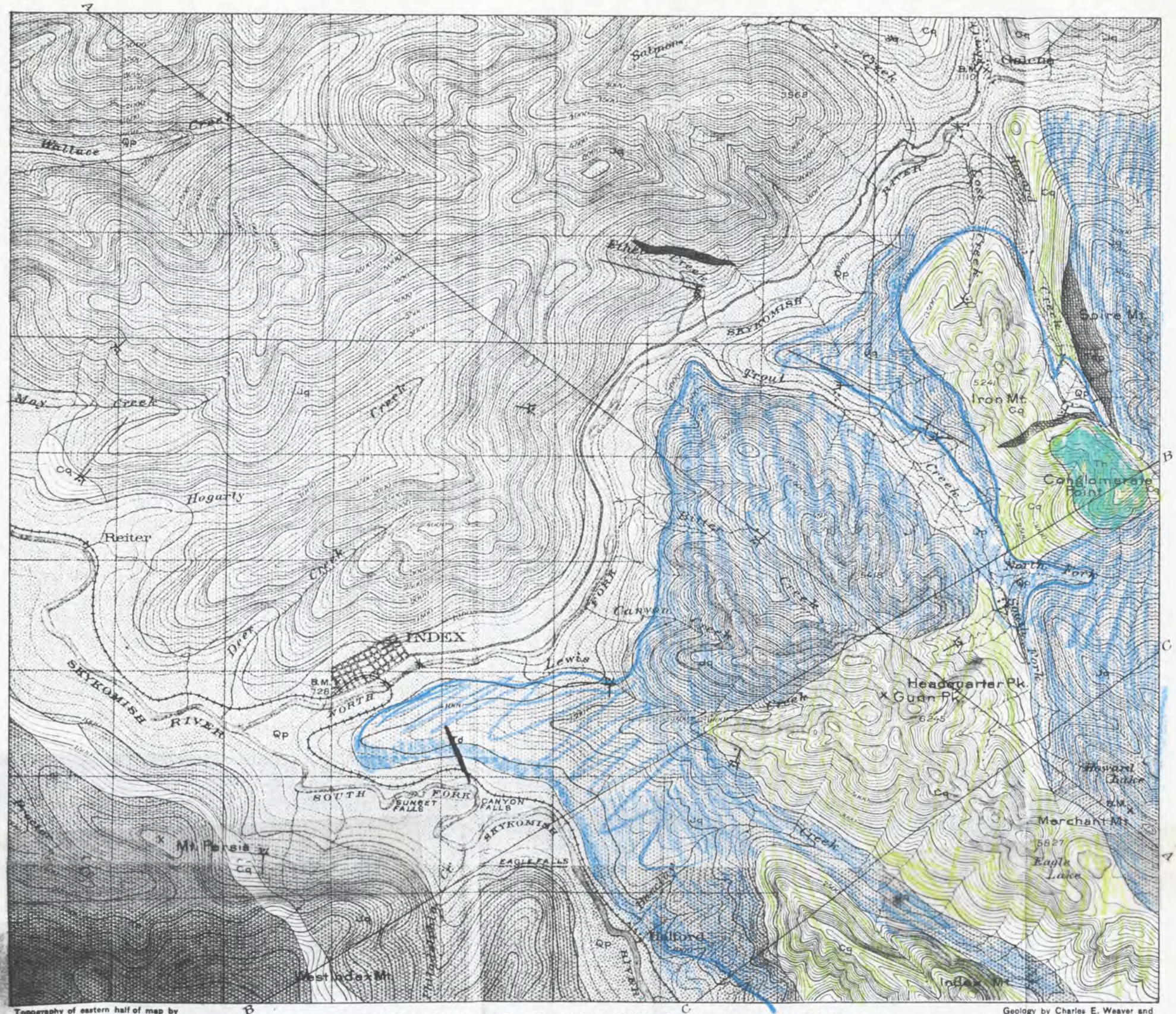


Topography of eastern half of map by United States Geological Survey; Surveyed in 1897 and 1902. Topography of western half of map by Forestry Bureau, United States Department of Agriculture; Surveyed in 1907.

Geology by Charles E. Weaver and Charles R. Fettke. Washington Geological Survey, Surveyed in 1910.

LEGEND

QUATERNARY

- Qp — Pleistocene — *Glacial drift, alluvium and stream gravels*

TERTIARY

- Olivine Diabase
- Th — Howard Arkose formation
- Tp — West Index Andesite series
- Tap — Andesite Porphyry
- Granodiorite Aplite

JURASSIC (?)

- Jq — Granodiorite

CARBONIFEROUS (?)

- Cq — Gunn Peak formation — *Quartzite, slate and schist*

- Veins
- Tunnel

GEOLOGIC MAP OF INDEX DISTRICT

BY CHARLES E. WEAVER

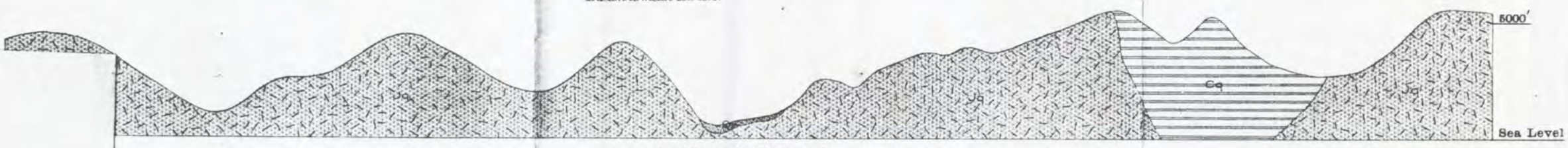
ASSISTED IN THE FIELD BY CHARLES R. FETTKE

Scale $\frac{1}{62500}$

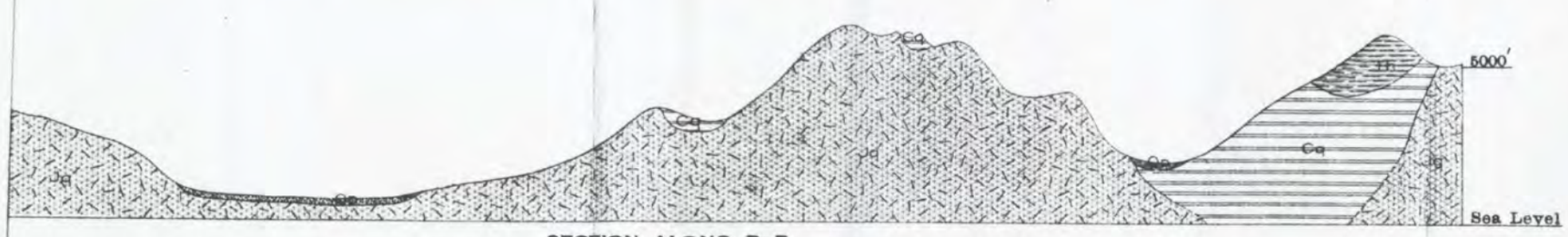
1 ½ 0 1 2 3 4 Miles

Contour interval 100 feet

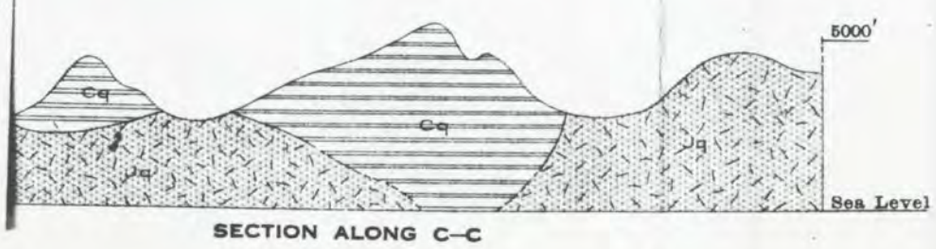
Datum is mean sea level



SECTION ALONG A–A



SECTION ALONG B–B



SECTION ALONG C–C

Gunn Peak Fossils.