GEOLOGIC MAP OF EAGLE RIVER REGION ALASKA

BY ADOLPH KNOPF

Surveyed in 1909–1910
under the direction of Alfred H. Brooks
1912

Scale 1/62500

1 ½ 0 1 2 3 4 Miles
4000 2000 0 4000 8000 12000 16000 Feet
1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 50 feet
Datum is mean sea level
Dotted lines represent approximate topography

LEGEND

SEDIMENTARY ROCKS

QUATERNARY
- Qsg — Silt, sand, and gravel

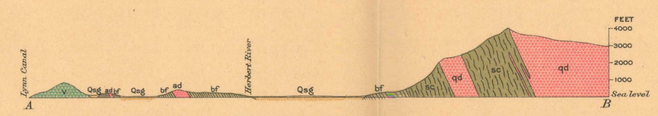
UPPER JURASSIC OR LOWER CRETACEOUS
- bf — Berners formation (*Slate and graywacke with some greenstone*)
- sc — Schist (*Metamorphic phase of Berners formation.*)

IGNEOUS ROCKS

EARLY CRETACEOUS
- d — Diorite porphyry
- ad — Augite diorite
- qd — Quartz diorite gneiss

UPPER JURASSIC OR LOWER CRETACEOUS
- v — Augite melaphyre (*Lava, tuff breccia, and conglomerate*)

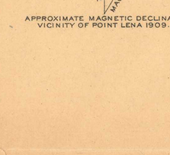
5x — Gold mine and prospect



SECTION ALONG LINE A–B

LIST OF PROSPECTS AND MINES

1. GOLD STANDARD PROSPECT
2. CALIFORNIA PROSPECT
3. AURORA BOREALIS PROSPECT
4. BESSIE PROSPECT
5. ALASKA-WASHINGTON PROSPECT
6. MOTHER LODE PROSPECT
7. DIVIDEND PROSPECT
8. CASCADE PROSPECT
9. E PLURIBUS UNUM PROSPECT
10. BLACK CHIEF PROSPECT
11. JOYCE-JENSEN PROSPECT
12. EAGLE RIVER MINE
13. OLESON PROSPECT
14. MITCHELL & McPHERSON PROSPECT
15. ST. LOUIS PROSPECT
16. PRAIRIE PROSPECT
17. SMITH & HEID PROSPECT
18. PATTON PROSPECT
19. TREASURY HILL PROSPECT
20. DULL & STEPHENS PROSPECT
21. WINN PROSPECT
22. MENDENHALL PROSPECT
23. DORAN PROSPECT



APPROXIMATE MAGNETIC DECLINATION
VICINITY OF POINT LENA 1909.

Alfred H. Brooks, Geologist in charge of division
Topography by J.W. Bagley, C.E. Giffin, and R.E. Johnson
Control by J.W. Bagley and Coast and Geodetic Survey
Surveyed in 1909–1910

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