

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

PRELIMINARY REPORT ON THE GEOLOGY OF THE NELCHINA AREA, ALASKA

By

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The illustrations comprising this report are preliminary and have not been edited or reviewed for conformity with the U. S. Geological Survey standards and nomenclature.

ILLUSTRATIONS

- Figure 1. General stratigraphic descriptions and tentative correlation of detailed stratigraphic sections of rocks exposed in the Nelchina area, Alaska.
2. Index map showing locations of detailed stratigraphic sections.
 3. Geologic map of the Nelchina area and the southwestern part of the Copper River basin, Alaska.
 4. Geologic map of Anchorage (D-2) quadrangle, Alaska.
 5. Explanation of symbols on the detailed stratigraphic sections.

Stratigraphic sections

- Section 1. Matanuska formation on tributaries of Squaw Creek.
2. Upper part of the Matanuska formation on upper Alfred Creek.
3. Basal sandstone of the Matanuska formation on a southern tributary of upper Squaw Creek.
4. Nelchina limestone and associated beds at Limestone Gap.
5. Upper part of the Naknek formation and the Nelchina limestone and associated beds north of the Little Nelchina River one mile west of Flat Creek.
6. Naknek formation and Nelchina limestone and associated beds near the main headwaters fork of the Little Nelchina River.
7. Upper part of a sandstone unit equivalent to the lower part of the Tuxedni formation, the Chinitna formation, and the lower part of the Matanuska formation immediately north of Caribou Creek east of the mouth of Billy Creek.
8. Sandstone unit equivalent to the lower part of the Tuxedni formation, and the Chinitna formation three miles north of the mouth of Alfred Creek.