

GEOLOGIC MAP OF THE LOWER MATANUSKA VALLEY ALASKA

1912

Scale 82500

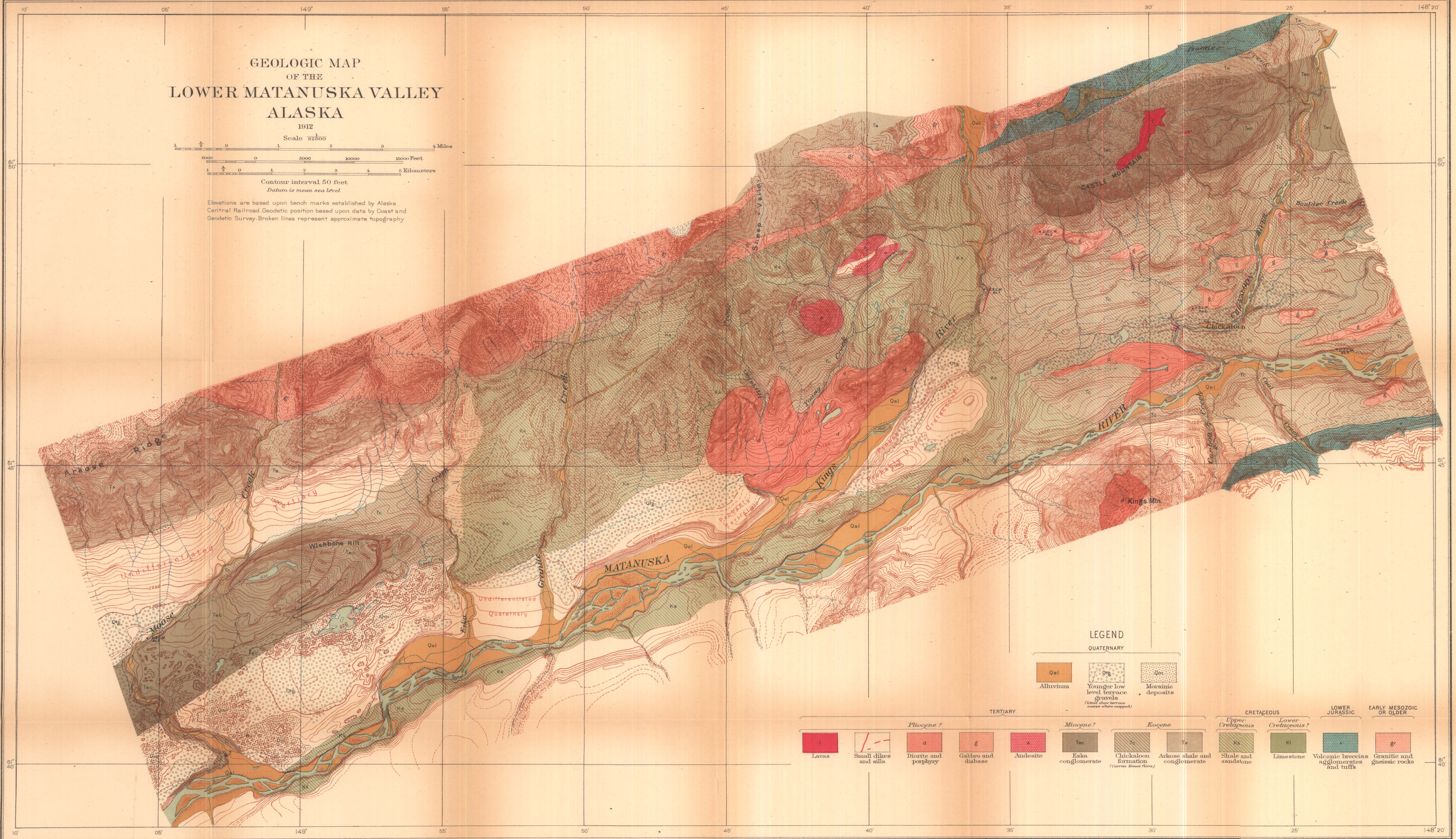
1 2 0 1 2 3 4 Miles

1 2 0 1 2 3 4 5 Kilometers

Contour interval 50 feet

Datum is mean sea level

Elevations are based upon bench marks established by Alaska
Central Railroad. Geodetic position based upon data by Coast and
Geodetic Survey. Broken lines represent approximate topography



LEGEND

QUATERNARY

Qal	Qig	Qm
Alluvium	Younger low level terrace gravels (Excludes shore terraces except where mapped)	Morainic deposits

TERTIARY

Pliocene?	Miocene?	Eocene
d	Tec	Tc
Diabase and porphyry	Eska conglomerate	Chickaloon formation (Cretaceous, Kanai River)
g		Ta
Gabbro and diabase		Arkose shale and conglomerate
a		
Andesite		

CRETACEOUS

Upper Cretaceous	Lower Cretaceous?
Ka	Kl
Shale and sandstone	Limestone

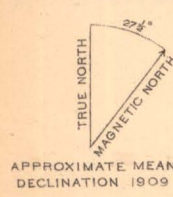
LOWER JURASSIC

V
Volcanic breccias agglomerates and tuffs

EARLY MESOZOIC OR OLDER

gr
Granitic and gneissic rocks

Alfred H. Brooks, Geologist in charge of Division.
Topography by R. H. Sargent.
Control by R. H. Sargent.
Surveyed in 1909.



APPROXIMATE MEAN
DECLINATION 1909

Geology by G. C. Martin, F. J. Katz,
and Theodore Chapin.
Surveyed in 1910 under direction
of Alfred H. Brooks