

EXPLANATION

Darker colors denote continuous exposures in trenches or close-spaced surface outcrops

Minette(?) dike rock
Showing dip of contact. Mostly biotite and feldspar with a few magnetite grains

KCg	KCga	KCgsg	KCgg	KCgs
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Gemuk Group

KCg, Gemuk Group undifferentiated, includes grayish-green, gray, and dark-greenish-yellow thin-bedded to massive fine- to coarse-grained graywacke, olive-green, dark-greenish-gray, or grayish-brown thin-bedded to massive siltstone, and grayish-black to pale-reddish-brown shale and shaly siltstone. Graywacke locally calcareous

KCga, Gemuk Group undifferentiated, containing abundant quartz and prehnite in thin veins and veinlets

KCgsg, interbedded siltstone and graywacke in approximately equal amounts. Beds range in thickness from a few inches to several feet

KCgg, predominantly medium- to thick-bedded fine- to coarse-grained graywacke with minor amounts of siltstone

KCgs, predominantly massive to thick-bedded olive-green to dark-greenish-gray siltstone and very fine grained graywacke

Contact or trace of bedding
Dashed where inferred; dotted where concealed; queried where projected without control

Fault zone and brecciated rock
Showing dip of individual faults and relative movement of walls

Anticline
Showing trace of axial plane and direction of plunge. Dashed where approximately located

Approximate fold axis

Syncline
Showing approximate trace of axial plane and direction of plunge

Strike and dip of beds
No figure where amount of dip unknown. Dashed where approximate

Cinnabar veinlet
Showing dip. Solid where continuous; dotted where discontinuous; widely spaced red dots indicate disseminated cinnabar

Massive carbonate
White to tan; mostly calcite, but includes minor early dolomite

Carbonate vein
Showing dip

Disseminated carbonate

Mine adits projected to surface

Mine adit in section
Dashed where projected

Trench or bulldozer cut

Road or very shallow bulldozer cut

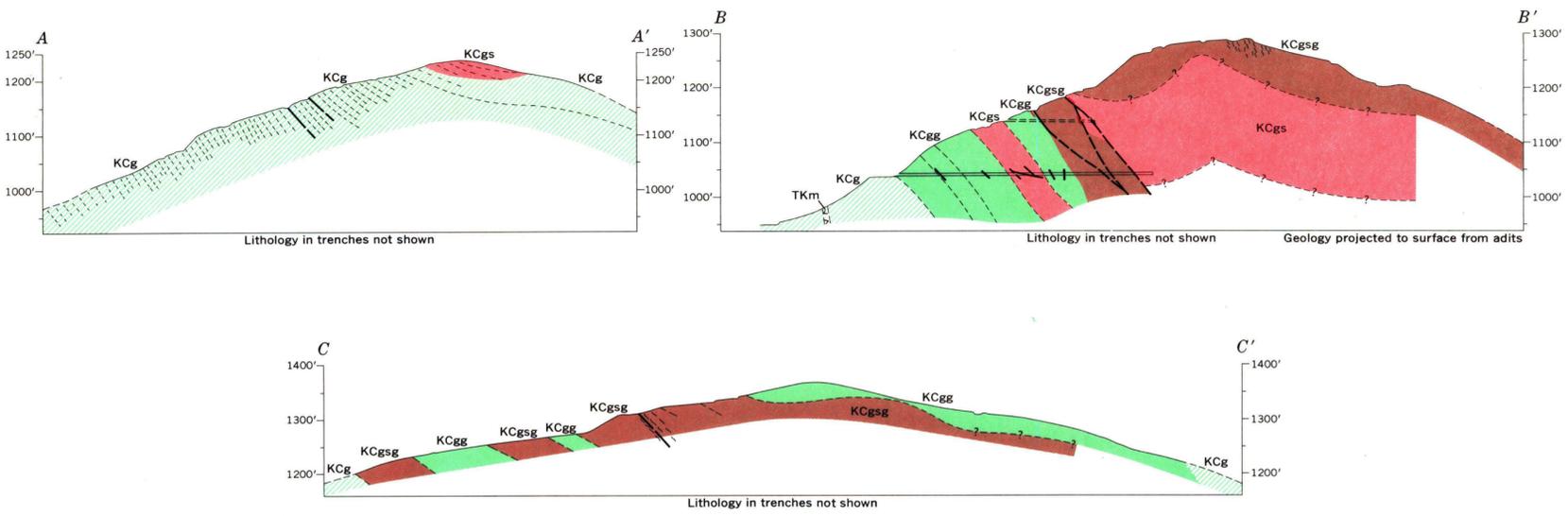
Mine dump

Buildings or tent frames

Area of mineralization discussed separately in text

APPROXIMATE MEAN DECLINATION, 1965

CARBONIFEROUS(?) TO CRETACEOUS



Base map from planetable survey by C. M. Taylor and C. L. Sainsbury, 1959

**GEOLOGIC AND TOPOGRAPHIC MAP AND SECTIONS OF MINE AREA
RED TOP MINE, ALEKNAGIK, ALASKA**

