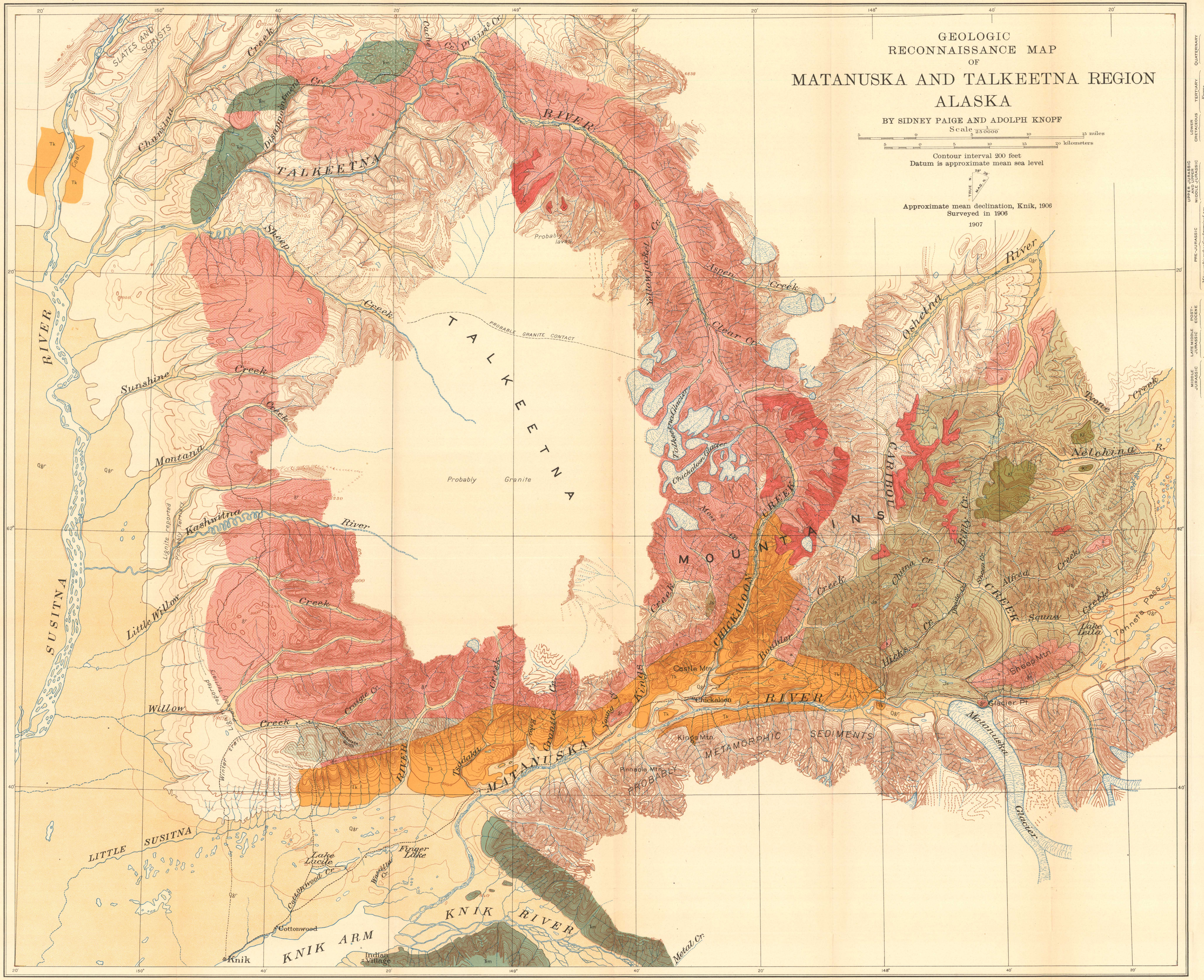
GEOLOGIC
RECONNAISSANCE MAP
OF
MATANUSKA AND TALKEETNA REGION
ALASKA
BY SIDNEY PAIGE AND ADOLPH KNOPF
Scale 1/250000
5 0 5 10 15 miles
5 0 5 10 15 20 kilometers
Contour interval 200 feet
Datum is approximate mean sea level
TRUE N.
MAG. N.
Approximate mean declination, Knik, 1906
Surveyed in 1906
1907
LEGEND
SEDIMENTARY ROCKS
QUATERNARY
Qgr
Gravels
TERTIARY
Eocene
Tk
Kenai formation
coal-bearing shales, sandstones, arkoses, and conglomerates
LOWER CRETACEOUS
Kl
Limestone
UPPER JURASSIC AND UPPER MIDDLE JURASSIC
Js
Shales, sandstones, conglomerates; tuff and arkose, with coal
PRE-JURASSIC
Metamorphic rocks of undetermined age
Tkm
1. Metamorphic rocks, graywackes, slates, basaltic greenstones, and tuffs. Rhyolites and tuffs in Knik River region
2. Slates, graywacke-slates, and microcrystalline schists (with intrusive granite) in lower Talkeetna region
Tks
Garnetiferous mica schists and albite-zoisite schists
IGNEOUS ROCKS
POST-EOCENE
v
Basaltic lavas
LATE MIDDLE JURASSIC
gr
Quartz diorites and granite
MIDDLE JURASSIC
a
Andesitic greenstones, dacites, and rhyolites, and associated tuffs
SLATES AND SCHISTS
Chunilna
Creek
Disappointment Cr.
Cache Cr.
Prairie Cr.
TALKEETNA
RIVER
Sheep
Creek
Probably lavas
Yellowjacket Cr.
Aspen
Creek
Clear Cr.
Oshetna
River
Tyone
Creek
Nelchina R.
TALKEETNA
PROBABLE GRANITE CONTACT
Probably Granite
Sunshine
Creek
Montana
Kashwitna
River
Little Willow
Creek
Willow
Creek
SUSITNA
RIVER
Talkeetna Glacier
Chickaloon Glacier
Moss Cr.
CARIBOU
CREEK
MOUNTAINS
Billy Cr.
Chitna Cr.
Alfred
Creek
Squaw
Creek
Lake Leila
Tanneta Pass
Sheep Mtn.
Hicks Cr.
Boulder
Creek
CHICKALOON
Kings
Creek
Castle Mtn.
Chickaloon
RIVER
Glacier Pt.
Matanuska
Glacier
Kings Mtn.
METAMORPHIC SEDIMENTS
Pinnacle Mtn.
PROBABLY
MATANUSKA
RIVER
Tsadaka
Creek
Granite Cr.
Winter trail
LITTLE SUSITNA
Lake Lucile
Finger Lake
Cottonwood Cr.
Cottonwood
Knik
KNIK ARM
Indian Village
KNIK RIVER
Metal Cr.
Qgr
Tk
Tkm
Kl
Js
Tks
Coal