



EXPLANATION

Alluvial deposits

Granitic rocks

Owens Valley and Keeler Canyon Formations

Mrs

Rest Spring Shale
Siltstone, shale, and mudstone, dark-gray; commonly metamorphosed to andalusite hornfels. Pattern shows locally mapped zone of carbon-rich beds that contain crinoid stems.

Perdido Formation

Mixed clastic sequence of sandstone, conglomerate, calcarenite, and shale; chert clasts are abundant

UNCONFORMITY

DSsc DSvg

Sunday Canyon and Vaughn Gulch Formations
DSsc, Sunday Canyon Formation: graptolitic limy shale facies; limy shale, shale, and lesser limestone
DSvg, Vaughn Gulch Limestone: bioclastic limestone facies; thinly bedded limestone and argillaceous limestone, rich in coral and sponge fragments

Oes

Ely Springs Dolomite
Dolomite, light- to dark-gray, thin- to thick-bedded; contains abundant black chert

Ojs

Johnson Springs Formation
Mixed sequence of quartzite, dolomite, limestone (in part coral-bearing), lesser siltstone and shale

Obsu Obsl

Barrel Spring Formation
Obs, Barrel Spring Formation undifferentiated. Mapped with Johnson Spring Formation on Badger Flat and to northwest
Obsu, upper member, reddish-weathering shale, mudstone, and siltstone
Obsl, lower member, limestone, impure quartzite, and siltstone

Obf

Badger Flat Limestone
Limestone and calcarenite, blue-gray, silty, and yellowish siltstone; black chert abundant in lower part

Al Rose Formation

Siltstone, shale, and mudstone; brown-weathering limestone subordinate. Mapped with Badger Flat Limestone east of Bee Springs

Ctc

Tamarack Canyon Dolomite
Dolomite, monotonous gray-weathering, thin-bedded; black chert nodules locally abundant

Cig

Lead Gulch Formation
Thin-bedded interlayered sequence of limestone, siltstone, dolomite, chert, and shale

Cbk

Bonanza King Dolomite
Dolomite, laminated to thick-bedded, color banded in varied shades of gray to give diagnostic "zebra-striping" to most outcrops. Dashed line denotes locally mapped conspicuous black dolomite band

Undivided sedimentary rocks

Include Paieta, Hazlett, Saline Valley, and Mule Spring Formations of Early Cambrian age, and Monola Formation of Middle Cambrian age

Contact

Dashed where approximately located

Fault

Dashed where approximately located; dotted where concealed. Ball indicates downthrown side

Inclined Vertical Overturned

Strike and dip of beds

JS-12

Measured section described in text

D 219 CO

Fossil locality



Base from U.S. Geological Survey topographic quadrangle: Independence, 1951
10,000-foot grid based on California coordinate system, zone 4

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1958—396348
Geology mapped by D. C. Ross, F. K. Miller, and R. J. Pickering, 1959–1962

GEOLOGIC MAP OF MAZOURKA CANYON AREA, INDEPENDENCE QUADRANGLE, INYO COUNTY, CALIFORNIA

