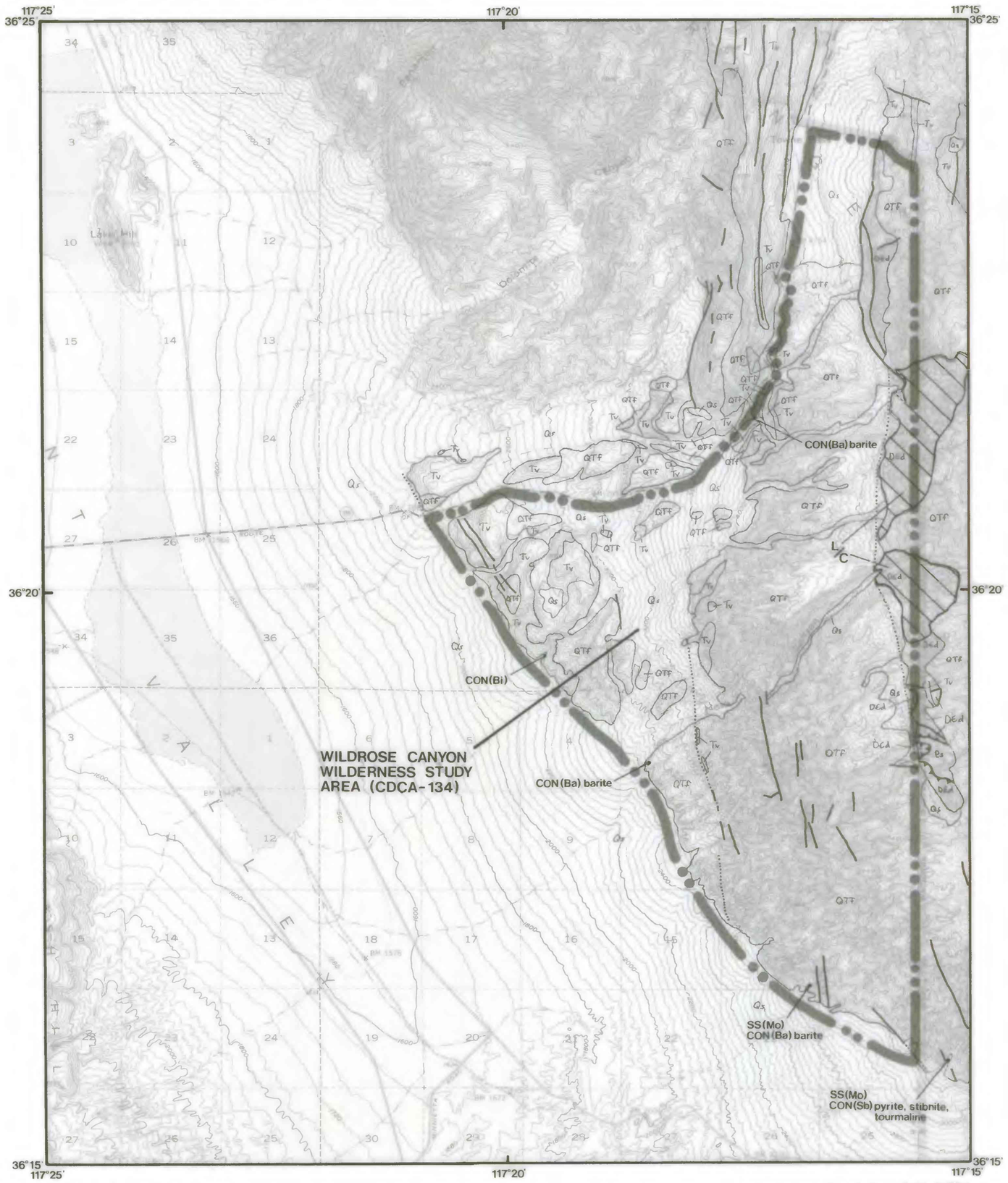
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 84-665
PLATE 1 OF 1



Base from U.S. Geological Survey
Panamint Butte, 1951

Geology generalized from Hall (1971)

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature

MINERAL RESOURCE POTENTIAL MAP OF THE WILDROSE CANYON WILDERNESS STUDY AREA, INYO COUNTY, CALIFORNIA

By

James E. Conrad, James E. Kilburn, Edwin H. McKee, and J. Howard McCarthy
U. S. GEOLOGICAL SURVEY

and

Spencee L. Willett
U. S. BUREAU OF MINES

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EXPLANATION

AREAS WITH MINERAL RESOURCE POTENTIAL

L/C — Low mineral resource potential for lead, zinc, and silver in hydrothermal veins and/or tungsten, molybdenum, and copper in skarn deposits

CON(Ba) barite
SS(Mo) — Anomalous geochemical sample site. SS indicates stream-sediment, CON indicates heavy-mineral concentrate; anomalous elements in parentheses; minerals listed were identified by microscopic examination of the samples

CORRELATION OF MAP UNITS

Qs	QUATERNARY	CENOZOIC
QTf	QUATERNARY AND TERTIARY	CENOZOIC
Tv	TERTIARY	CENOZOIC
MDl	MISSISSIPPIAN TO DEVONIAN	PALEOZOIC
DCd	DEVONIAN TO CAMBRIAN	PALEOZOIC
Ps		PROTEROZOIC(?)

DESCRIPTION OF MAP UNITS

Qs — SURFICIAL DEPOSITS (QUATERNARY)--Consists of alluvial, colluvial, aeolian, landslide, lacustrine, and tufa and caliche deposits

QTf — FANGLOMERATE (QUATERNARY AND TERTIARY)--Consists of consolidated to unconsolidated, tilted fanglomerates, with intercalated lacustrine deposits and basalt flows. Includes monolithologic breccias composed of sub-angular Paleozoic fragments in a clay- to sand-size matrix

Tv — VOLCANIC ROCKS (TERTIARY)--Olivine and quartz-olivine basalt flows, and rhyolite tuff

MDl — LIMESTONE (MISSISSIPPIAN TO DEVONIAN)--Thin- to medium-bedded, light and dark blue-gray limestone with minor chert nodules and lenses. Consists of the Tin Mountain Limestone (Mississippian) and the Lost Burro Formation (Devonian)

DCd — DOLOMITE WITH MINOR QUARTZITE (DEVONIAN TO CAMBRIAN)--Thin- to thick-bedded light to dark blue-gray dolomite with minor quartzite, cherty dolomite, shale, and limestone. Consists of the Hidden Valley Dolomite (Silurian and Devonian), the Ely Springs Dolomite (Ordovician), the Eureka Quartzite (Ordovician), the Pogonip Group (Ordovician), and the Nopah Formation (Cambrian)

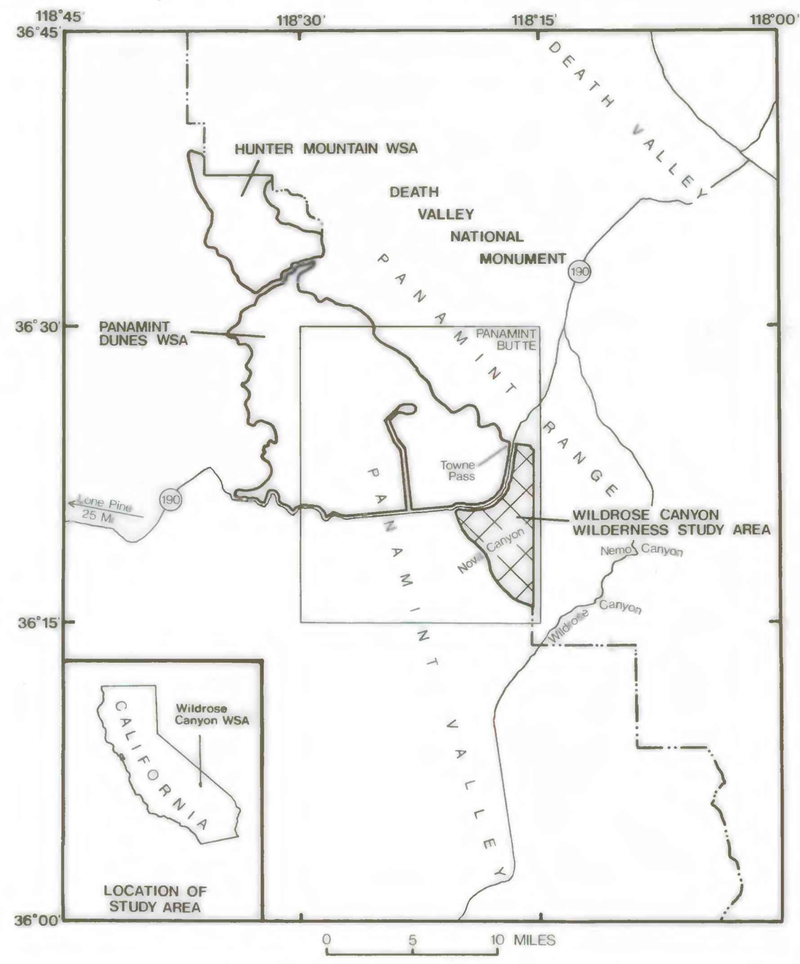
Ps — SCHIST (PROTEROZOIC(?))--Quartz-mica schist, micaceous quartzite, and dolomite

CONTACT

FAULT--Dashed where approximately located; dotted where concealed

THRUST FAULT--Sawteeth on upper plate

APPROXIMATE BOUNDARY OF WILDERNESS STUDY AREA



INDEX MAP SHOWING THE LOCATION OF THE WILDROSE CANYON WILDERNESS STUDY AREA (CDCA-134)