UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
REPRESENTED BY THE
DIRECTOR OF PUBLIC WORKS

MURPHYS QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 COLUMBIA 15' QUADRANGLE

1960 I SE (RAIL ROAD FLAT)
1960 IV (BLUE MTN. 1:62 500)

120°30′ — 27′30″ — 25′ — 120°22′30″
38°15′ — 12′30″ — 10′ — 38°07′30″

R. 13 E. R. 14 E.

Emery Reservoir
SAN ANDREAS 15 MI.
MOUNTAIN RANCH 3 MI.
Basella Creek
McKinney Creek
Martin Gulch
O'Neil Creek
Fisher Place Gulch
Macks Creek
Neds Gulch
Antonio Creek
Sonora Creek
Indian Burying Ground Gulch
Dunlap Gulch
San Antonio Creek
Indian Creek
San Domingo Creek
Angels Creek
Quartz Creek
Sheep Ranch
(BM 2371)
Sheep Ranch Mine
BM 2576
Right Bower Mine
Marion Mine
Mercer Cave
Oro Plata Mine
Bret Harte Sanatorium
Murphys
(BM 2171)
Cem
Utica Powerhouse
Penstock
Red Apple
BM 3228
Red Top Mine
Darby Knob
BM 3187
BM 3316
BM 3657
BM 2680
BM 2112
BM 1070
Clark Flat
Yea Hoo Gulch
Peppermint Gulch
Pennsylvania Creek
Coyote Creek
Utica Ditch
Darby Knob Firebreak
Stanislaus Ditch
Ebbetts Pass
Ponderosa Way
South Central Hill Road
Stanislaus River
Calaveras Co
Tuolumne Co
Stanislaus Nat Forest
Mountain Table
Avery 0.4 mi.
Avery 1.9 mi. Big Trees 9 mi.
(Stanislaus) 1960 III NE
1960 II NE (Calaveritas)
Altaville 5.2 mi. Stockton 57 mi.
Vallecito 2.9 mi. Angels Camp 7.7 mi.
Vallecito 8 mi.
(Angels Camp) 1960 II SE
(Columbia) 1960 III SW
(Columbia SE) 1960 III SE

T. 5 N.
T. 4 N.
T. 4 N.
T. 3 N.

4236000m N.
4729000m E.
4423000m N.
2030000 FEET
630000 FEET
600000 FEET
2010000 FEET

Mapped, edited, and published by the Geological Survey

Control by the USGS, and USC&GS and US Army

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946. Field check 1948

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 3

Dashed land lines indicate approximate location

1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue

GN MN
1°35′ 28 MILS
17½° 311 MILS
UTM GRID AND 1948 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

CALIF
QUADRANGLE LOCATION

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS		DRY WEATHER ROADS	
Heavy-duty	4 LANE | 6 LANE	Improved dirt	
Medium-duty	4 LANE | 6 LANE	Unimproved dirt	

U. S. Route State Route

SEP 13 1979

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

MURPHYS, CALIF.
NW/4 COLUMBIA 15' QUADRANGLE
N3807.5—W12022.5/7.5
1948
DMA 1960 III NW—SERIES V895

3200