UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TWELVE GAUGE LAKE QUADRANGLE
CALIFORNIA—SAN BERNARDINO
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 HAWES 15' QUADRANGLE

2554 III (FREMONT PEAK) 1:62 500

2554 III (OPAL MTN.) 1:62 500

117°22'30" 466 000m.E. 467 468 R5W R4W 469 20' 471 472 473 17'30" 474 475 2 220 000 FEET 477 117°15'

35°00'

LOCKHART 1 MI.

2554 III (FREMONT PEAK 1:62 500)

Water Valley

T11N
T10N

3872 000m N.

3871

540 000 FEET

3870

3869

57'30"

3868

3867

2552 IV NW (KRAMER HILLS)

MOJAVE 46 MI.
KRAMER JUNC. 10 MI.

3865

3864

55'

3863

T10N
T9N

3862

510 000 FEET

3861

3860

34°52'30"

2553 I NW (HINKLEY)

BARSTOW 15 MI.

(ASTLEY RANCHO) 2553 IV SW

(HODGE) 2553 I SW

HELENDALE 10 MI.

(WILD CROSSING) 2553 IV SE

2 190 000 FEET

R5W R4W

20'

17'30"

117°15'

34°52'30"

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985

476 000m.E.

ROAD
HARPER LAKE
SANTA FE AVENUE
PHOENIX RD
EL CENTRO RD
SALINAS RD
ATCHINSON TOPEKA AND SANTA FE
PIPELINES
HAWES AUXILLARY AIRPORT
Twelve Gauge Lake
IRON MOUNTAIN
Water Valley
Dry Well
Well
Prospect
Mine
Stmp
BM
Harper
Prospects

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1972. Field checked 1973

Projection and 10,000-foot grid ticks: California coordinate system, zone 5 (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

To place on the predicted North American Datum 1983 move the projection lines 4 meters north and 82 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines

GN MN 0°11' 3 MILS 15° 267 MILS

UTM GRID AND 1973 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 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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

CALIF

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

TWELVE GAUGE LAKE, CALIF.
NE/4 HAWES 15' QUADRANGLE
34117-E3-TF-024

1973

DMA 2553 IV NE—SERIES V895