UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EAST OF LEACH LAKE QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

AVAWATZ MOUNTAINS
FORT IRWIN
MILITARY RESERVATION
Drinkwater Lake
JAMES 1455 NAT
VEIT 1-45
VEIT 1-46
VEYG 5-10
VEYG 5-11
VEYG 5-12
VEYG 5-13
VEYG 5-14
VEYG 5-15
VEYG 5-47
VEYG 5-48
VEYG 5-66
VEYG 5-70
BM-TRH-34 669.3
BM-TRH-31 890.3
BM-TRH-32 816.8
SBM 709.5
SBM-2546 775.9
SBM-2816 858.3
BM 44 S 1010.9
T18N
T17N
R3E
R4E
Mine
4WD

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN .....1976 AND 1979-80
FIELD CHECKED .....1981 MAP EDITED 1984
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR .....ZONE 11
10,000-FOOT STATE GRID TICKS ..... CALIFORNIA, ZONE 5
UTM GRID DECLINATION ..... 0°15' EAST
1980 MAGNETIC NORTH DECLINATION ..... 14°30' EAST
VERTICAL DATUM ... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (5 meters north / 79 meters east)
There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map
Where omitted, land lines have not been established

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. 2

SCALE 1:24 000
1 .5 0 KILOMETERS 1 2
1000 0 METERS 1000 2000
1 .5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000
FEET
CONTOUR INTERVAL 10 METERS

CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER
To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1988

CALIF.
QUADRANGLE LOCATION

1	2	3	1 Owl Lake 2 East of Owl Lake 3 Old Ibex Pass 4 Leach Lake 5 Avawatz Pass 6 West of Drinkwater Lake 7 Drinkwater Lake 8 Red Pass Lake NW
4		5	
6	7	8	

ADJOINING 7.5' QUADRANGLE NAMES

CONTOURS AND ELEVATIONS IN METERS

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route

EAST OF LEACH LAKE, CALIF.
PROVISIONAL EDITION 1984
35116–E5–TM–024