(JONES 5159 II NE LAKE SPRING)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BATES LAKE QUADRANGLE
COLORADO–LAS ANIMAS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

5159 II NE (DELHI)

104°15′ 00″ — 567000mE — 568 — 569 — 12′ 30″ — 571 — 5159 II NW (SUN VALLEY RANCH) — 573 — 10′ 00″ — 574 — 2 390 000 FEET — 575 — 576 — 577 — 104°07′ 30″

37°37′ 30″ — 4164 000mN — 4164 — 350 000 FEET

37°30′ 00″ — 4151 000mN — 4151 — 310 000 FEET

35′ 00″ — 4160

32′ 30″ — 4155

T. 28 S. / T. 29 S.

5159 III SE (HIDDEN VALLEY RANCH)

5158 I NW (TYRONE)

5158 I NE (THATCHER)

(SEVEN LAKES RESERVOIR 5158 IV NE)

(BROWN SHEEP CAMP 5158 I NE)

Water Tank
Well
Arishapa Can
Arishapa State Wildlife Area
East Arishapa Canyon
Corral
Lambing Canyon
Poitrey Arroyo
Port Arroyo Windmill
Cross Canyon
Tyler Hill
Eperson Windmill
Water Tank
Sutton Windmill
Rowe Spring
Smith Ranch Windmill
Bates Lake Arroyo
Bates Reservoir
Bates Lake
FLATS
Rowe Reservoir
Water Tanks
Reservoir No 1
Pool Windmill
West Pasture Windmill
Elmore Arroyo
Ahern Windmill
Baker Reservoir
Timpas Creek
SANTA FE NATIONAL HISTORIC TRAIL (APPROXIMATE)
THATCHER 1.7 MI. LA JUNTA 45 MI.
BM 5549
BM 5586
Twin Lakes
East Draw
Radio Tower
Simpson
TYRONE 4 MI. TRINIDAD 31 MI.
FORT CARSON MILITARY RESERVATION
(PINON CANYON MANEUVER SITE)

INTERIOR–GEOLOGICAL SURVEY, RESTON, VIRGINIA—1993

Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

Compiled from aerial photographs taken 1969. Revised from aerial photographs taken 1988 and other sources. Field checked 1991
Map edited 1993

1927 North American Datum (NAD 27). Projection and blue 1000-meter ticks: Universal Transverse Mercator, zone 13
10 000-foot ticks: Colorado Coordinate System, south zone

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5 minute intersections are given in USGS Bulletin 1875

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

MN GN — 0°30′ 9 MILS — 10° 178 MILS

UTM GRID AND 1993 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
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

COLORADO
QUADRANGLE LOCATION

ROAD CLASSIFICATION

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

USGS NRP HISTORICAL MAP ARCHIVES
MAY 09 1994
REC'D FILE COPY

BATES LAKE, COLO.
37104-E2-TF-024
1993
DMA 5159 II SW-SERIES V877