UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EMERY WEST QUADRANGLE
UTAH
7.5 MINUTE SERIES (TOPOGRAPHIC)

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GEOLOGICAL SURVEY

EMERY EAST QUADRANGLE
UTAH-EMERY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

RECEIVED
SEP 05 1990
DIVISION OF
OIL, GAS & MINING

PLATE I

GEOMORPHIC MAP OF THE EMERY AREA, EMERY, UTAH

LEGEND

QUATERNARY

Qal — ALLUVIAL DEPOSITS - Clay, silt, sand and gravel to boulders; fluvial terraces, floodplain and stream deposits; light brown, unconsolidated. Commonly well-stratified and lenticular

Qc — COLLUVIAL DEPOSITS - Clay, silt, sand, and some gravel; composed chiefly of debris from sheet erosion, deposits by unconcentrated runoff or slope wash, together with other mass movement accumulation and windblown deposits; mapped only where these deposits could be confused with alluvial deposits (Qal)

Qf — FAN DEPOSITS - Clay, silt, sand, and gravel to boulders; low, outspread, relatively flat to gently sloping mass of unconsolidated alluvial material shaped like an open fan and deposited by a stream; mapped only where these deposits could be confused with alluvial deposits (Qal)

PEDIMENT DEPOSITS - Sand to cobbles; poorly sorted, subrounded to rounded; pediment surface thins eastward

FLOOD IRRIGATED AND SPECIALLY MANAGED AGRICULTURAL LAND

DIVERSION STRUCTURE

FAULT TRACE

SCALE 1" = 2000'

MANTI-LASAL NATIONAL FOREST

MUDDY CREEK DIVERSION STRUCTURE

USGS SAMPLE SITE S-7

USGS SAMPLE SITE S-8

QUITCHUPAH CREEK DIVERSION STRUCTURE

QUITCHUPAH CREEK

JOE'S VALLEY

ALLUVIAL DISCHARGE ZONE

CHRISTIANSEN WASH

MUDDY CREEK

MUDDY CREEK DIVERSION STRUCTURE

QUITCHUPAH CREEK DIVERSION STRUCTURE

USGS SAMPLE SITE S-18

PREVIOUSLY MINED

MINE PERMIT BOUNDARY (IJ COAL)

EMERY MINE

QUITCHUPAH CREEK

MUDDY CREEK

IVIE CREEK

USGS SAMPLE SITE S-30

Water Hollow Benches

Ivie Creek Bench

Gilson Valley

Trough Hollow

Salaratus Creek

Red Valley

Mesa

Walker Flat

Ivie Creek

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1968

Polyconic projection. 1927 North American datum
10,000-foot grid based on Utah coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Fine red dashed lines indicate selected fence lines

Where omitted, land lines have not been established

UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

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

QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

WALKER FLAT, UTAH
SE/4 ACORD LAKES 15' QUADRANGLE
N3845—W11115/7.5
1968
AMS 3761 IV SE—SERIES V897

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1968

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MESA BUTTE, UTAH
N3845—W11107.5/7.5
1968
AMS 3761 I SW SERIES V897