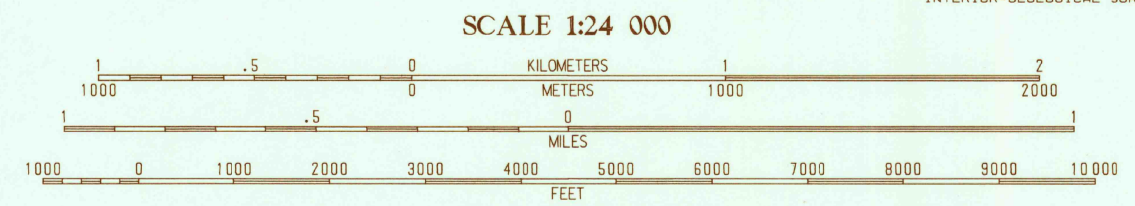


USGS NMD HISTORICAL MAP  
SEP 26 1989  
REC'D FILE COPY

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY . . . . . USGA, NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN . . . . . 1989  
FIELD CHECKED . . . . . 1963  
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN . . . . . 1983  
FIELD CHECKED . . . . . 1986  
MAP EDITED . . . . . 1989  
PROJECTION . . . . . LAMBERT CONFORMAL CONIC  
GRID . . . . . 100-METER UNIVERSAL TRANSVERSE MERCATOR . . . . . ZONE 12  
HORIZONTAL DATUM . . . . . 1927 NORTH AMERICAN DATUM  
UTAH SOUTH ZONE  
UTM GRID DECLINATION . . . . . 0°43' EAST  
1989 MAGNETIC NORTH DECLINATION . . . . . 12°30' EAST  
VERTICAL DATUM . . . . . NATIONAL GEODESIC 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  
(3 meters north and 60 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.

PROVISIONAL MAP  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
field check.



SCALE 1:24 000  
CONTOUR INTERVAL 40 FEET  
To convert feet to meters multiply by .3048  
To convert meters to feet multiply by 3.2808  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092

QUADRANGLE LOCATION

1	2	3	1 Cedar Mesa North
			2 Snow Flat Spring Cave
			3 Bluff NW
4	5	4 Cedar Mesa South	
			5 Bluff SW
			6 The Cowmacks
6	7	8 Mexican Hat	
			8 San Juan Hill

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND  
Improved Road . . . . .  
Unimproved Road . . . . .  
Trail . . . . .  
Interstate Route U.S. Route State Route  
CIGARETTE SPRING CAVE, UTAH  
PROVISIONAL EDITION 1989  
37109-C7-TF-024