



Base prepared by the Army Map Service (AGS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1957 from photogrammetric methods and from United States Quadrangles, 1:62,500, USGS, 1952-54. Photometric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, USCGS, and CE. Photography field annotated 1956.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS  
— ARIZONA CENTRAL — ARIZONA EAST  
— UTAH SOUTH

INDEX TO COUNTY BOUNDARIES  
(See county designations list for county identification)

PLANE COORDINATE ZONES  
□ ARIZONA CENTRAL □ ARIZONA EAST  
□ UTAH SOUTH

**Coast & Geodetic Survey**

▲ Monumented Point - First Order  
▲ Monumented Point - Second Order  
▲ Monumented Point - Third Order  
○ Located Object - Third Order  
○ See separate index for names of numbered stations  
○ Station reported not recovered  
— Measured Base - Electronic or Taped  
— Line of triangulation observed  
— Line of triangulation observed from one end only  
— Measured Length - Electronic or Taped  
— Theodolite Traverse - Electronic Distance  
— Transit Traverse - Taped Distance Third Order  
— Transit Traverse and Leveling Third Order

**Geological Survey**

▲ Monumented Point - First Order  
▲ Monumented Point - Second Order  
▲ Monumented Point - Third Order

**Coast & Geodetic Survey**

— First Order  
— Second Order  
— Third Order

**STATE SURVEY CONTROL**

— Horizontal or Vertical

**SECTIONIZED TOWNSHIP**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

**TRANSVERSE MERCATOR PROJECTION**

TOWNSHIP OR RANGE LINE  
LAND GRANT BOUNDARY

**LEGEND**  
ROAD DATA 1956

ROADS  
Hard surface, heavy duty  
More than two lanes wide  
Two lanes wide; Federal route marker  
Hard surface, medium duty  
More than two lanes wide  
Two lanes wide; State route marker  
Improved light duty  
Unimproved dirt  
Trail

RAILROADS  
Standard gauge  
Narrow gauge  
International  
State  
County  
Park or reservation

Landmarks: School; Church; Other  
Horizontal control point  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line

**COAST AND GEODETIC SURVEY**  
THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES, UTAH

36 111 4	36 111 1	36 110 4	36 110 1
1	ARIZONA	2	
36 111 3	36 111 2	36 110 3	36 110 2

**ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D. C.**

**COAST AND GEODETIC SURVEY**  
THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES, UTAH

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**ORDER CONTROL DATA IN RED BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON 25, D. C.**

**COAST AND GEODETIC SURVEY**  
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**GEOLOGICAL SURVEY**  
FIFTEEN MINUTE QUADRANGLE DESIGNATION

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MARBLE CANYON, ARIZONA, UTAH (NJ 12-11)

MARBLE CANYON, ARIZONA, UTAH (NJ 12-11)

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INDEX TO  
NUMBERED HORIZONTAL CONTROL STATIONS  
by the  
Coast and Geodetic Survey

QUADS 361101-2-3-4 & 361111-2-3-4  
ARIZ-UTAH  
LATITUDE 36°00' TO 37°00'  
LONGITUDE 110°00' TO 112°00'  
DIAGRAM NJ 12-11 MARBLE CANYON

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1.	DESERT VIEW, INDIAN WATCH TOWER						
2.	ZOROASTER TEMPLE, ROCK PINNACLE						
3.	HIGHWAY MON 3551 + 15						
4.	MARBLE CANYON BM Z 50 WINDSOCK, MARBLE CANYON AIRFIELD						
5.	LEES FERRY						
6.	OWL ROCK PEAK						
7.	ANTELOPE						
8.	MARK (USBR) NEAR ECHO						
9.	BEEHIVE						
10.	WALL						