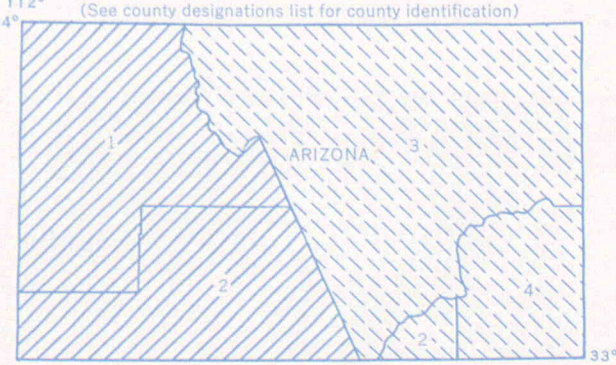


Base prepared by the Army Map Service (BESS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1954 by photogrammetric methods and from: Arizona, 1:25,000, USGS, 1947-50; Arizona, 1:62,500, USGS, 1950-51. Planimetric detail revised by photo-stereometric methods. Horizontal and vertical control by USCGS and USGS. Photographs filed annotated 1955.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

— ARIZONA EAST  
— ARIZONA CENTRAL

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



PLANE COORDINATE ZONES  
— ARIZONA EAST  
— ARIZONA CENTRAL

HORIZONTAL CONTROL

- National Ocean 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
  - 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

VERTICAL CONTROL

- National Ocean Survey**
  - First Order
  - Second Order
  - Third Order
- Geological Survey**
  - First Order
  - Second Order
  - Third Order

STATE SURVEY CONTROL

- Horizontal or Vertical

TRANSVERSE MERCATOR PROJECTION

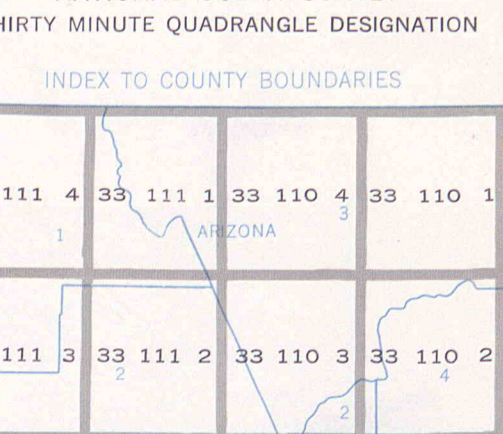


SECTIONIZED TOWNSHIP					
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP OR RANGE LINE  
LAND GRANT BOUNDARY

- 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**
  - Single track
  - Double or Multiple track
  - Narrow gauge
  - Standard gauge
- BOUNDARIES**
  - National
  - State
  - County
  - Park or reservation
- LEGEND**
  - Road data 1954
  - Landmarks: School; Church; Other
  - Horizontal control point
  - Spot elevation in feet
  - Marsh or swamp
  - Intermittent or dry stream
  - Power line

NATIONAL OCEAN SURVEY  
THIRTY MINUTE QUADRANGLE DESIGNATION

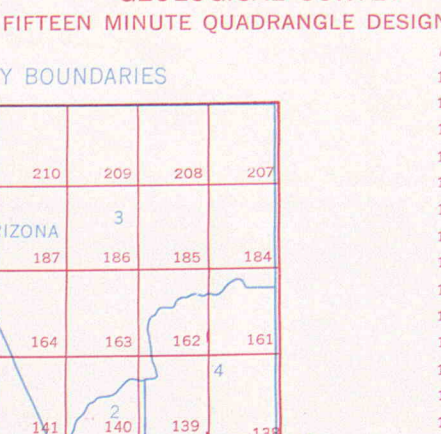


ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM NATIONAL OCEAN SURVEY, NOAA, ROCKVILLE, MARYLAND 20852.

COUNTY DESIGNATIONS

- 1. Mohave
- 2. Pinal
- 3. Gila
- 4. Graham

GEOLOGICAL SURVEY  
FIFTEEN MINUTE QUADRANGLE DESIGNATION



ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. 20244.

ARIZONA (Cont.)

- 138 Bylas
- 139 San Carlos No. 3
- 140 Chavis
- 141 Ray
- 142 North Butte
- 143 Florence No. 3
- 144 Sacaton
- 145 Gila Butte
- 146 San Carlos No. 1
- 147 San Carlos No. 2
- 148 San Carlos No. 3
- 149 Ft. McDowell
- 150 Gila Butte
- 151 Cornudas
- 152 Superior
- 153 Superior
- 154 Superior
- 155 Superior
- 156 Superior
- 157 Desert Well
- 158 Mesa
- 164 Carizo Creek No. 4
- 165 Carizo Creek No. 3
- 166 Roosevelt No. 4
- 167 Roosevelt No. 3
- 168 Roosevelt No. 2
- 169 Ft. McDowell
- 170 Cornudas
- 171 Cornudas
- 172 Carizo Creek No. 1
- 173 Carizo Creek No. 2
- 174 Blue House Mt.
- 175 McFadden Peak
- 176 Roosevelt No. 1
- 177 Roosevelt No. 2
- 178 Cave Creek No. 1
- 179 Cave Creek No. 2
- 180 Cave Creek No. 3
- 181 Cave Creek No. 4

U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-63)  
 DATE APRIL 1965 REVISED MAR 1976

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

PAGE 1  
 QUADS 331101-2-3-4 & 331111-2-3-4  
 ARIZ  
 LATITUDE 33°00' TO 34°00'  
 LONGITUDE 110°00' TO 112°00'  
 DIAGRAM NI 12-8 MESA

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1.	IRON PIPE SET IN TRIANGULAR BASE			24.	PLAD PLAD 2		
2.	FENCE CORNER CHROME PEAK (GLO)			25.	SEAM		
3.	BDY MON MC CO 76 MIAMI, INSPIRATION COPPER CO, WATER TANK			26.	GOLF		
4.	B.L. 2 (P-D CORP) T4S, R22E, S14EB, WMR 1/2M			27.	GUN		
5.	MIAMI, INSPIRATION COPPER CO, STACK			28.	BATON		
6.	MARK (USFS) NEAR BUFORD			29.	CURB		
7.	CAMELS BACK CAMELS BACK 2			30.	SCOTT		
8.	CROSS ON ROCK NEAR USERY (USGS)			31.	MEAT		
9.	SANTAN PEAK (USGS) CROSS IN ROCK (USGS) NEAR SANTAN			32.	HAYDEN		
10.	POSTEN MONUMENT, CD POSTEN			33.	PIMA		
11.	FLORENCE, BLACK WATER TANK			34.	ROLA SCOTTSDALE, MOTOROLA WATER TANK		
12.	GOVERNOR HUNTS TOMB, CENTER			35.	GRIND		
13.	PHOENIX-TUCSON AIRWAY BEACON O			36.	BARK		
14.	BELL BUTTE (AMS)			37.	FINCH		
15.	GUADALUPE RADIO STATION KUPD, CENTER MAST			38.	STUART		
16.	MARK (GLO) NEAR PARADISE			39.	GRAM		
17.	TEMPLE, SALT RIVER PROJECT RADIO MAST			40.	GANZ GANZ 2		
18.	PHOENIX, RADIO STATION KOOL, S MAST			41.	GOMEZ		
19.	PHOENIX, CUDAHY PACKING CO, WATER TANK			42.	HUMM		
20.	PHOENIX, PRODUCERS COTTON OIL CO, WATER TANK			43.	RNG, PHOENIX PX		
21.	PALM			44.	PAPAGO		
22.	BERT			45.	TEMPE BUTTE AIRWAY BEACON TEMPE BUTTE TEMPE, SALT RIVER PROJECT RADIO TOWER		
23.	NOLE			46.	JOKAKE		

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 LONGITUDE 110° 00' TO 112° 00'  
 DIAGRAM NI 12-8 MESA

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
47.	MESA, MUNICIPAL WATER TANK NO 1			72.	BROCK (ADOT)		
48.	SCOTTSDALE, THUNDERBIRD ACADEMY WATER TANK			73.	HILL (ADOT)		
49.	SACATON BUTTE CENTER (USE)			74.	GLOBE, BLACK METAL STACK		
50.	BASE STATION A ( USE)			75.	SACATON WATER TANK (1935) SACATON WATER TANK (1962)		
51.	ALMA (ADOT)			76.	SACATON PEAK AIR BEACON		
52.	EXTENSION (ADOT)			77.	OCOTILLO, GOODYEAR AUX FIELD WATER TANK		
53.	IRON (ADOT)			78.	CHANDLER OLD MUNICIPAL WATER TANK CHANDLER NEW MUNICIPAL WATER TANK		
54.	LESEUR (ADOT)			79.	BM 1407 PHNX (USGS)		
55.	HORNE (ADOT)			80.	1168.77 1205+26.18 (AHD)		
56.	STAPLEY (ADOT)			81.	FLORENCE 2		
57.	GIL 2 (ADOT)						
58.	32ND (ADOT)						
59.	40TH (ADOT)						
60.	RECKER (ADOT)						
61.	DOUBLE 2 (ADOT)						
62.	BERT 2 (ADOT)						
63.	GLENMAR (ADOT)						
64.	96TH (ADOT)						
65.	104TH (ADOT)						
66.	MOUNTAIN (ADOT)						
67.	NW 31 (GLO)						
68.	SW 31 (GLO)						
69.	DIKE (ADOT)						
70.	DUTCH (ADOT)						
71.	ROYAL (ADOT)						