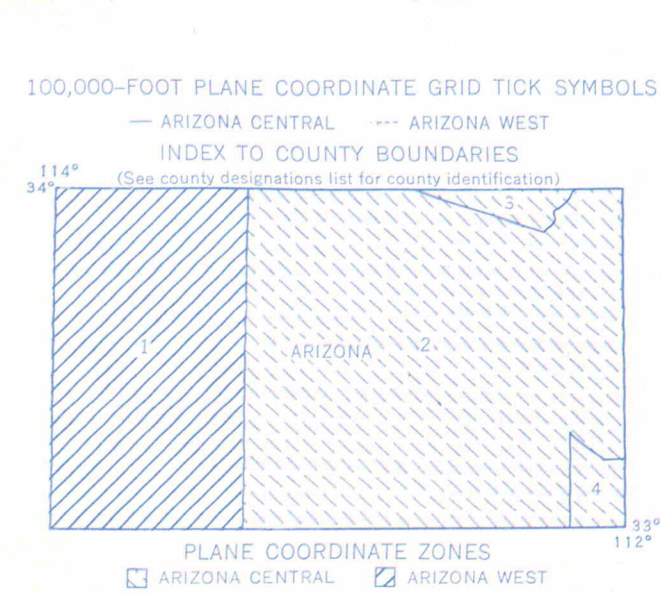


Map prepared by the Army Map Service (BEE), Corps of Engineers, U.S. Army, Washington, D. C. Compiled in 1954 by photogrammetric methods and from Arizona, 1:62,500, USGS, 1946-51. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, CE, USFS, and Bureau of Reclamation. Photography field annotated 1954.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
— ARIZONA CENTRAL — ARIZONA WEST
INDEX TO COUNTY BOUNDARIES
(See county designations for county identification)



HORIZONTAL CONTROL

- Coast & Geodetic Survey: Monumented Point - First Order (triangle), Monumented Point - Second Order (circle), Monumented Point - Third Order (square), Located Object - Third Order (circle with dot), Station - reported not recovered (circle with cross), Measured Base - Electronic or Taped (line with dots), Line of triangulation observed from one end only (line with dots), Measured Length - Electronic or Taped (line with dots), Theodolite Traverse - Electronic Distance (line with dots), Transit Traverse - Taped Distance Third Order (line with dots), Transit Traverse and Leveling Third Order (line with dots).
- Geological Survey: Monumented Point - First Order (triangle), Monumented Point - Second Order (circle), Monumented Point - Third Order (square), Located Object - Third Order (circle with dot), Station - reported not recovered (circle with cross), Measured Base - Electronic or Taped (line with dots), Line of triangulation observed from one end only (line with dots), Measured Length - Electronic or Taped (line with dots), Theodolite Traverse - Electronic Distance (line with dots), Transit Traverse - Taped Distance Third Order (line with dots), Transit Traverse and Leveling Third Order (line with dots).

VERTICAL CONTROL

- Coast & Geodetic Survey: First Order (line with dots), Second Order (line with dots), Third Order (line with dots).
- Geological Survey: First Order (line with dots), Second Order (line with dots), Third Order (line with dots).

STATE SURVEY CONTROL

- Horizontal or Vertical: First Order (line with dots), Second Order (line with dots), Third Order (line with dots).

SECTIONIZED TOWNSHIP

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

TRANSVERSE MERCATOR PROJECTION

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

LOCATION DIAGRAM FOR NI 12-7

ARIZONA 2	NI 12-4	ARIZONA 3
NI 11-6	NI 12-5	NI 12-8
CALIF. NI 11-9	ARIZONA NI 12-7	ARIZONA NI 12-8
UTAH NI 11-12	NI 12-10	NI 12-11

COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION

33 113 4	33 113 1	33 112 4	33 112 1
33 113 3	33 113 2	33 112 3	33 112 2

INDEX TO COUNTY BOUNDARIES

33 113 4	33 113 1	33 112 4	33 112 1
33 113 3	33 113 2	33 112 3	33 112 2

COUNTY DESIGNATIONS

- 1 Yuma
- 2 Maricopa
- 3 Yavapai
- 4 Pinal

GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

100	101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120	121
122	123	124	125	126	127	128	129	130	131	132
133	134	135	136	137	138	139	140	141	142	143

INDEX TO COUNTY BOUNDARIES

100	101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120	121
122	123	124	125	126	127	128	129	130	131	132
133	134	135	136	137	138	139	140	141	142	143

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

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

PHOENIX, ARIZONA
APRIL 1964

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE SEPT 1964

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

QUADS 331121-2-3-4 & 331131-2-3-4
 ARIZ
 LATITUDE 33°00' TO 34°00'
 LONGITUDE 112°00' TO 114°00'
 DIAGRAM NI 12-7 PHOENIX

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1.	PYRAMID PEAK (USGS)			21.	PHOENIX REYNOLDS ALUMINUM CO., STACK PHOENIX REYNOLDS ALUMINUM CO., TANK		
2.	ADOBE, SHERRY PHOENIX CO., WATER TANK			22.	PHOENIX, WESTING COMPRESS, TANK		
3.	PHOENIX, SKY HARBOR AIRPORT CONTROL TOWER			23.	MORRISTOWN MAGNETIC MORRISTOWN RAILROAD STATION SE CORNER		
4.	MARICOPA ASTRONOMICAL ECC STATION MARICOPA E PIER LONGITUDE STATION MARICOPA W PIER LATITUDE STATION			24.	B OF R MARK (USBR) NEAR H FOUR T4N, R3W, SECS. 13, 14, 23, 24		
5.	MARICOPA NW BASE (USGS)			25.	LUKE FIELD BEACON		
6.	THOMPSON MON 10			26.	AIRWAY BEACON 31, LOS ANGELES-PHOENIX		
7.	RAIL			27.	AGUILA, RAILROAD WATER TANK		
8.	THOMPSON MON 11			28.	PLEASANTON T2N, R8, 9W, SECS. 7, 12, 13, 18		
9.	BARRY MON			29.	BM J 30		
10.	WICKENBURG CHURCH, BELFRY			30.	AIRWAY BEACON 25, LOS ANGELES-PHOENIX		
11.	AZIMUTH MARK (RML) NEAR GLENDALE GLENDALE 2			31.	T6N, R16W, SECS. 16, 17		
12.	COURT HOUSE PHOENIX, E RADIO TOWER PHOENIX, GREATER ARIZONA SAVINGS BLDG, RADIO TOWER			32.	WILSON		
13.	PHOENIX, WESTWARD HO HOTEL, FLAGPOLE PHOENIX, TV STATION KPHO, RELAY TOWER			33.	BUCKEYE, WATER TANK		
14.				34.	LITCHFIELD PARK NAF, CONTROL TOWER LITCHFIELD PARK NAF, BEACON		
15.	PHOENIX BASELINE WEST			35.	GOODYEAR, GOODYEAR AIRCRAFT CORP. WATER TANK		
16.	PHOENIX BASELINE EAST			36.	PHOENIX, WESTERN COTTON PRODUCTS CO., WATER TANK		
17.	AIRWAY BEACON 33, LOS ANGELES-PHOENIX			37.	PHOENIX, RADIO STATION KXIV, MAST		
18.	B OF R MARK (USBR) NEAR UNION			38.	PHOENIX, RADIO STATION KRIZ, MAST		
19.	T5, 6N, R3E, SECS. 3, 4, 33, 34			39.	PHOENIX, STATE CAPITAL BLDG, DOME		
20.	POWER PLANT WEST OF PHOENIX CHIMNEY PHOENIX, ARIZ. PUBLIC SERVICE CO, WATER TANK PHOENIX, USBR, WATER TANK			40.	PHOENIX, SAFEWAY FOODS, WATER TANK		
				41.	PHOENIX, RADIO STATION KFIN, TOWER		

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QUADS 331121-2-3-4 & 331131-2-3-4
 ARIZ
 LATITUDE 33 ° 00 ' TO 34 ° 00 '
 LONGITUDE 112 ° 00 ' TO 114 ° 00 '
 DIAGRAM NI 12-7 PHOENIX

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
42.	THOMPSON MONUMENT NO. 4			62.	FALCON		
43.	STRONG			63.	CULVER		
44.	TELEGRAPH PASS (USGS) SOUTH MTN, STATE HIGHWAY PATROL TOWER PHOENIX, TV STATION KTAR, TOWER PHOENIX, TV STATION KTVK, TOWER PHOENIX, TV STATION KOOL, TOWER PHOENIX, TV STATION KPHO, TOWER			64.	BLACK		
45.	SUNNYSLOPE SUNNYSLOPE 2 (USGS)			65.	LINDEN		
46.	GUARANTY PHOENIX, INDIAN SCHOOL BOILER ROOM, STACK			66.	MORE		
47.	COOL			67.	CENTRAL		
48.	PHOENIX, ARIZONA PUBLIC SERVICE CO, MICROWAVE MAST			68.	SVEUM		
49.	GLENDALE, MUNICIPAL WATER TANK G			69.	CLYDE		
50.	GLENDALE, UNIDENTIFIED CHURCH, SPIRE			70.	ARM		
51.	GLENDALE, MUNICIPAL WATER TANK 3			71.	HOW		
52.	GLENDALE, COLCOT ARIZONA COMPRESS, WATER TANK			72.	SEAP		
53.	GLENDALE, FEDERAL COMPRESS, N WATER TANK			73.	LEE		
54.	GLENDALE, FEDERAL COMPRESS 8 WATER TANK			74.	DALL		
55.	PHOENIX, RADIO STATION KPHO, S MAST			75.	PHOENIX, RADIO STATION KHAT, MAST		
56.	PHOENIX, RADIO STATION KOY, TOWER			76.	PHOENIX AT&T RELAY MAST		
57.	PHOENIX, RADIO STATION KTAR, S TOWER			77.	MARICOPA-YAVAPAI COUNTY MARKER		
58.	SUTTON						
59.	HOPS						
60.	EATON						
61.	LATH						