ARIZONA 168

C&GS 33 111 3

See Aris. Hwy. - Job 269

(1) T. Winsor 1899 8498 (2) " " "



145

A.H.D. line Payson to Phoenix along State Highway 87 Filed in "Outside Control"

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

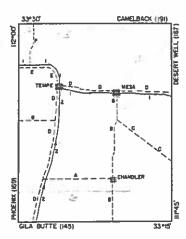
THIRD-ORDER LEVELING Sea Level Datum of 1929

MESA QUADRANGLE ARIZONA 168 N3315-W11145/15

Maricopa County

Edition of 3/26/57

Only the standard tablets are listed for lines run more than 25 years be-fore the above edition date



FILE COPY

USC&GS Leveling Lines

- Sacaton Area, Arizona (No. 19) Second order Hesa to Poston, Arizona (No. 30) Second order Hesa to Walnut Wells, Arizona (No. 31) First and
- Mess to Walnut Wells, Arizona (No. 31) First and Second order Roosevelt to Maricopa, Arizona (No. 46) First and Second order Tempe to Wenden, Arizona (No. 56) Second order Miles N. of Kendall to Kendall, Arizona (No. 68) Second order Messen (No. 68) Second order Messen (No. 68) Second order

- Komatke Area, Arizona (No. 69) Second order

Feet

1157.683

1176.675

1234.728

1242.839 "

1156.566

1197-379

1187:264

1243.720

LINE 1.

FROM PHOEMIX QUADRANGLE (169) EAST ALONG ARIZOMA EASTERN RAILROAD VIA TEMPS TO MESA THEMCE EAST ALONG FLORENCE ROAD INTO DESERT WELL QUADRANGLE (167) (by T. Winsor, 1899; Eook 8498)

T 1 N., R. 3 E., near E. quarter cor. of sec. 12; 15 ft. S. of Arizona Eastern RR. track; standard iron post with bronze cap stamped "1132 PHHX" (For found) 1131.564

Tempe, N. erd of station; 50 ft. E. of main track; standard iron post with bronze cap stamped "1158 FREET" [Destroyed]

Tempe, 2.5 mi. SE. of; on S. side of rd.; opposite
rd. leading N.; standard iron post with bronze
cap stamped "li77 PHNX" (Destroyed)

Mesa, 1.5 mi. NW. of along U. S. Highway 80; 0.5 mi. N. of a paved hwy.; at NE. corner of a rd. jct.; 30 ft. N. of center of Southern Pacific Railroad; standard iron post with bronze cap stamped 1235 PHHX* (Recovered by USC&GS, 1933)

Mesa, 250 ft. SW. of station; near corner of wire fence on E. side of public rd.; standard iron post with bronze cap stamped "12LL PHNX"

Mesa, 3.0 mi. SE. of along U. S. Highway 80; 0.5 mi. S. of a caral crossing; at SE. corner of rd. jct.; standard iron post with bronze cap stamped "1243 PHNI" (Recovered by USC&GS, 1933)

FROM GILA BUTTE QUADRANGLE (145) NORTHEAST ALONG SOUTHERN PACIFIC RAILROAD TO TEMPE (by T. Winsor, 1899; Book 8498)

Kyrene, 1 mi. S. of; 25 ft. E. of track on E. side of
 public rd.; standard iron post with bronze cap
 stamped "li57 PHNI"

Tempe, 7.2 mi. S. of along Southern Pacific Railroad; 1.8 mi. N. of Hansen Junction; 1.5 mi. N. of Eyrene; on top of bank; 180 ft. S. of a culvert; 20 ft. E. of center of tracks; standard iron post with bronze cap stamped "1198 FHNX" (Recovered by USCAGS, 1948)

Tempe, 3.8 mi. S. of; 35 ft. E. of track; near fence; in corner of field having small reservoir; standard iron post with bronze cap stamped "1188 PHNX"

FILE COPY

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ARIZONA TEST SITE (A Portion Of Army Map Service Test Area) U. S. GEOLOGICAL SURVEY TOPOGRAPHIC DIVISION

The Army Map Service Arizona Test Area was established beginning in 1948, with a resurvey of the horizontal control in the area being conducted during 1950-52 using triangulation and geodimeter traverse. The USC&GS and AMS ran second- and third-order leveling throughout the area for vertical control.

In 1965 U. S. Geological Survey field parties, with the permission and cooperation of the Army Map Service, did extensive horizontal and vertical control surveys in a portion of the area to increase the density of control points for use in various photogrammatric research projects. Horizontal control was extended from AMS control by triangulation and electronic traverse, using second-order procedures. Fly leveling was run in a 3- by 5-mile high-density area, as shown on the leveling diagram. Elevations were established on approximately 140 supplemental vertical points, holding closely to third-order methods, with ail line closures being within 0.1 ft. Each horizontal control point has an elevation established by either the USCAGS, AMS, OR USOS.

PANELS

Army Map Service permanent cross-target panels have the following dimensions: Each of the four wings measures 8- by 20-feet; the junction of the four wings forms an 8- by 8-foot square center.

Temporary panels used by the U. S. Geological Survey were laid in square formats in 6- by 6-foot, 9- by 9-foot, and 12- by 12-foot sizes. For most of these white Visqueen polyethylene material was used; however, a few were made using black roofing paper.

DATA

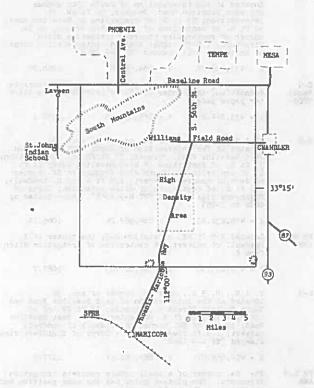
Horizontal positions are based on 1927 North American Datum and coordinates are published on transverse Mercator projection, Arizona Central Zone.

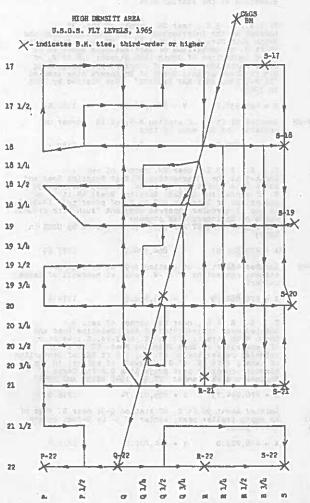
Elevations are based on the datum established by the 1929 General Adjustment.

HORIZONTAL CONTROL DIAGRAM

G	H	J	ĸ	L	Н	И	P	Q	R	5	Ŧ	U	Y	W	I	T		
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4		4	n.	Ä	4		A		Δ	Δ	A	A		A		A	25	
							LE	GEN	n									

- A Horisontal positions by AMS.
- Δ Horisontal positions by USGS in 1965.





TIER 9

	TIER 9			
STATION	DESCRIPTION ELEVATION PLANE COORDINATES (feet)	STATION	DESCRIPTION ELEVATION (feet)	
G- 9	T. 1 N., R. 2 E., near SE. corner of sec. 34. Located at the intersection of South 35th Avenue and West Easeline Road, Phoenix; 38 ft NW. of intersection; 23 ft N. of centerline of Baseline Road; 30 ft W. of centerline of South 35th Avenue; on SW. corner of rectangular concrete irrigation ditch structure; 1.5 ft higher than rd. intersection; Corps of Engineers disk stamped "TT G-9 1948"	R-9 (C&GS BM B-273)	T. 1 N., R. 4 E., near SW. corner of sec. 32. Located at the intersection of East Baseline Road and South 48th Street; 49 ft NE. of intersection; 33 ft E. centerline of South 48th Street; 34 ft N. of centerline of East Baseline Road; 5 ft ESE. of fence corner; 1.8 S. of EW. fenceline; in top of concrete post, 0.5 ft below surface of ground; USC&CS standard disk stamped "B 273 1948" (Not visited by USCS in 1965)	9
	X = 433,908.78 Y = 864,974.81 1060.25		X = 481,408.12 Y = 865,117.82 1209.94	
G-9 Panel USGS	Located 177 ft NW. of station 0-9; on an old concrete foundation; the center of 12- by 12-foot square black	PP R-9	Located about 47 ft NE. of station R-9; S. edge of southwesternmost tree in orchard.	
0303	tar paper panel. $X = 433,744.29$ $Y = 865,039.55$ 1058.1		x = 481,435.87 $y = 865,115.40$ 1208.8	
H-9	T. 1 N., R. 2 E., near SW. corner of sec. 36. Located at the intersection of South 27th Avenue and West Baseline Road, Phoenix; 33 ft NE. of Intersection; 31 ft N. of centerline of West Baseline Road; 11 ft E. of centerline of South 27th Avenue; in SE. corner of deck of concrete culvert; 1.6 ft W. of E. headwall; 1.4 ft S. of centerline of ditch extension; Corps of Engineers disk stamped "TT H-9 1945" (Not visited by	s-9 (C&GS BM C-273)	T. 1 N., R. 4 E., near SW. corner of sec. 33. Located near the intersection of East Baseline Road and Priest Road (South 56th Street); 43 ft NE. of junction of T-rd. N.; 27 ft E. of centerline of NS. rd.; 32 ft N. of centerline of Sec. 32 ft N. of centerline of Sec. 32 ft N. of centerline of Centerline of Sec. 32 ft N. corner of irrigation box valve concrete structure; USCAGS standardisk stamped "C 273 1948" (Not visited by USCS in 1965 X = 486,661.67 Y = 865,135.60 1205.32	b of rd
	USGS in 1965)	PP S-9A	Located about 51 ft W. of station S-9; centerline of	
	X = 439,232.03 $Y = 864,987.24$ 1086.19	AMS	EW. irrigation ditch at W. edge of headwall.	
PP H-9 AMS	Located 2.5 ft NE. of station H-9; the center of E. headwall of culvert, at centerline of irrigation ditch from E.	1	x = 486,611.13	
L-9	X = 439,233.98 Y = 864,988.85 1087.7 T. 1 N., R. 3 E., near SE. corner of sec. 32. Located at the intersection of East Baseline Road and South Seventh Street S., Phoenix; 38 ft NW. of rd.	T-9	T. 1 N., R. 4 E., near SW. corner of sec. 34. Located near the intersection of East Baseline Road and Kyrene Road; 41 ft NE. of RR. grade crossing; 35 ft N. centerline of East Baseline Road; 22 ft E. of centerlin of mainline RR. tracks; 3.3 ft NW. of telephone pole No in top of circular concrete post projecting 0.4 ft; Cor of Engineers disk stamped "TT T-9 1948 RESET AMS 1955"	of ne ne
	intersection; 18 ft N. of centerline of East Baseline Road; in top of SW. corner of headwall of concrete culvert; 1.0 ft lower than rd.; Corps of Engineers disk stamped "TT L-9 1948"		(Not Visited by USGS in 1965) X = 492,055.80 Y = 865,128.54 1179.70	
	x = 454,609.07 Y = 864,966.41 1177.2	PP T-9	Located about 41 ft SW. of station T-9; intersections of centerline of EW. rd. and NS. railroad.	30
PP L-9	The SW. corner of a small square concrete irrigation structure. The picture point has the same position and		X = 492,034.08 $Y = 865,093.68$ 1180.7	
	elevation as the station mark.	ช-9	T. 1 N., R. 4 E., near SE. corner of sec. 34. Located near the intersection of East Baseline Road and	1, 3
N-9	T. 1 N., R. 3 E., near SW. corner of sec. 35. Located at the intersection of East Baseline Road and South 24th Street, Phoenix; 46 ft NE. of intersection; 35 ft N. of centerline of East Baseline Road; 26 ft E. of centerline of South 24th Street; 1.8 ft W. of NS. fenceline; in top of concrete post projecting O.3 ft above ground; Corps of Engineers disk stamped "TL N-9 1960 ARMY MAP SERVICE" (Not visited by USGS in 1965)	PP U-9 AMS W-9	Canal Drive (Not found, in 1965, insufficient descript X = 496,605.02	
PP N-9B	X = 465,536.77 Y = 864,986.24 1181.40 Located 61 ft W. of station N-9; at SE. corner of orchard; the SE. edge of tree		Located near the intersection of East Baseline Road and Price Road; 31 ft S. of centerline of East Baseline Ros 19 ft E. of centerline of canal; 2.5 ft E. of E. end of S. abutment of concrete bridge; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT W-9 1948 RESET AMS 1955"	t ad; C
	X = 465,475.89 - Y = 864,989.74 1180.1		X = 507,437.11 $Y = 865,154.59$ 1196.56	
P-9	T. 1 S., R. 3 E., near NW. corner of sec. 1. Located at the intersection of East Baseline Road and	PP W-9 USGS	Centerline of EW. rd. at centerline of canal.	
	South 32nd Street N.; 45 ft SW. of intersection; 30 ft 8. of centerline of East Baseline Road; 44 ft W. of centerline of lane S.; 2.9 ft W. of power pole 14-B-42; in top of circular concrete monument flush with ground; Corps of Engineers disk stamped "TT F-9 1948 RESET AMS 1955" (Not visited by USGS in	x-9	X = 507,417.8 Y = 865,185.3 1196.3 T. 1 S., R. 5 E., near NE. corner of sec. 6. Located near the intersection of East Baseline Road and Dobson Road South; 42 ft SW. of intersection; 25 ft S.	d of
	1965) X = 470,822.91 Y = 864,998.13 1177.69		centerline of East Baseline Road; 34 ft W. of centerlin of Dobson Road; cemented in top of NE. corner of concer irrigation structure; 0.6 ft higher than rd. intersecti	ne eta
PP P-9	Located 462 ft N. of station P-9; at E. edge of		Corps of Engineers disk stamped "TT X-9 1948" X = 512,266.91 Y = 865,194.90 1200.0	.5.
ANG	street; centerline of EW. canal at headwall of large culvert.	PP X-9	The intersection of centerline of EW. rd. and rd. S.	
_ 36	x = 470,882.09	vags	(T-rd. S.) X = 512,300.3 Y = 865,219.4 1199.6	
Q- 9	T. 1 S., R. 4 E., near NW. corner of sec. 6. Located near intersection of East Baseline Road and South 40th Street; 117 ft SE. of T-rd. N.; 44 ft S. of centerline of East Baseline Road; 50 ft W. of extended centerline of rd. S.; 6.2 ft SE. of centerline of canal; 2 ft SE. of S. wingwall of bridge; in top of circular concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT Q-9 1948 RESET AMS 1955"	Y-9	T. 1 N., R. 5 E., near SW. corner of sec. 33. Located near the intersection of East Baseline Road and Alma School Road North; 51.5 ft NE. of intersection; 3 E. of centerline of Alma School Road; 39.6 ft N. of centerline of East Baseline Road; 11.7 ft N. of centerl of headwall of culvert; in top of round concrete post f with ground; Corps of Engineers disk stamped	3 ft
	X = 476,244.73 Y = 865,014.74 1216.60		"TT Y-9 1948 RESET AMS 1955"	
Q-9 Panel USGS	Located about 96 ft S. of station Q-9; near S. edge of an empty trailer park; center of 9- by 9-foot square white panel	Y-9 Panel	X = 518,335.42 Y = 865,325.16 1205.5 Centered over station Y-9; a 12- by 12-foot square whit panel. Same position and elevation as station Y-9.	:e
	X = 476,221.0 Y = 864,022.0 1216.8	USGS PP Y-9	T-rd. N.	

x = 518,302.8

Y = 865,286.6

x = 486,077.68

PP S-10 Centerline of crossroads AMS 1948 X = 486,018.9 Y = 85

PP S-10A Located 149 ft SSE. of station mark; at point of "V" AMS formed by trail fork, center of small bush.

Y = 859,706.14

Y = 859,817.1

1248.40

1248.2

	TIER 10						
STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)		
J-10	T. 1 S., R. 2 E.; near SE. corner of sec station mark is 57 ft N. of centerline o Dobbins Road; 28 ft W. of centerline of Avenue; 1.9 ft S. of short EW. portion 4.6 ft NE. of NE. corner of rectangular-box; 4.5 ft SW. of fence corner post; 9. fence corner post; in top of concrete po O.1 ft above ground; Corps of Engineers "TT J-10 1948 RESET AMS 1955" (Not visi in 1965)	f West South 19th of fenceline; shaped concrete 7 ft SE. of st projecting	T-10	T. 1 S., R. 4 E., near SW. corner of sec. 3. Located at the intersection of Kyrene Road and Guadalupe Road; 50 ft E. of centerline of Kyrene Road; 18 ft N. of centerline of Guadalupe Road; 4 ft S. of centerline of EW. irrigation ditch; in top of SE. corner of concrete irrigation headwall; Corps of Engineers disk stamped "TT T-10 1960 ARMY MAP SERVICE" (Not visited by USGS in 1965) X = 491,337.32 Y = 859,815.44 1196.4			
	x = 444,054.63 Y = 859,743.80	1150.83	PP T-10		La Contraction of the Contractio		
PP J-10B	Located 92.5 ft SE. of station J-10; E.		EMA	65 ft W. of station mark; on W. side centerline of EW. ditch at headwal	of culvert.		
AKS	rd. at centerline of small EW. canal. x = 444.090.94	1152.9		X = 491,271.42 Y = 859,819.20	1197.2		
	1 = 444,090.94 1 = 659,650.04	1192.9	U-10	T. 1 S., R. 4 E., near NW. corner of	sec. 11.		
K-10	At the intersection of West Dobbins Road Seventh Avenue (Reported destroyed) (N USGS in 1965)	ot visited by		Located at the intersection (offset) and Canal Drive; 83 ft SE. of juncti E. of centerline of Canal Drive; 21 of Guadalupe Road; in top of concret which is flush with ground; Corps of stamped "TT U-10 1948 RESET AMS 1955	on of T-rd. E.; 79 ft ft S. of centerline e post, the top of		
PP K-10 AMS	Located 269 ft SE. of K-10; NW. corner of fence.	r wooden					
	x = 449,536.89 Y = 859,480.75	1225.5		X = 496,663.66 Y = 859,851.53	1183.1		
			U-10 Panel	About 69 ft NE. of station; center o square white Visqueen panel.	f 12- by 12-foot		
L-10	T. 1 S., R. 3 E.; near NE. corner of sec station mark is located 52 ft SW. of int	ersection of	USGS	x = 496,632.86 Y = 859,912.98	1182.2		
	East Dobbins Road and South Seventh Stre of centerline of East Dobbins Road; 37 f	t W. of	PP U-10	Junction of T-rd. E.			
	centerline of South Seventh Street; in t concrete post projecting 0.2 ft above gr ft higher than rd. intersection; Corps o	ound and 0.9	USGS	x = 496,587.0	1183.3		
	disk stamped "TT L-10 1948"		V-10	T. 1 S., R. 4 E., near SW. corner of	sec. 1.		
	x = 454,585.32 Y = 859,676.59	1274.97		Located at the intersection of Guada McClintock Road; 43 ft NE. of inter	section; 15 ft E.		
L-10 Panel USGS	A 12- by 12-foot square white Visqueen p over station mark. Same horizontal posi station L-10	tion as		of centerline of NS. rd.; 3 ft N. ditch to W.; in top of N. end of con Corps of Engineers disk stamped "TT"	of centerline of crete headwall; V-10 1948"		
		1274.8		X = 501,866.92 Y = 859,857.57	1188.0		
M-10	T. 1 S., R. 3 E.; near NW. corner of sec. 10; station mark is located at intersection of South 16th Street and East Dobbins Road; 38 ft S. of centerline of East Dobbins Road; 2 ft E. of extended centerline of South	. 10; station	PP V-10	Centerline of crossroads			
		16th Street rline of East	USGS	x = 501,853.8	1187.5		
	16th Street; 6.7 ft SE. of street sign p of telephone pole No. 24; in top of roun post; Corps of Engineers disk stamped "TT M-10 1948 RESET AMS 1955" (Not visi in 1965)	ost; 83 ft SW. d concrete ted by USGS	W-10	T. 1 S., R. 5 E., near NW. corner of sec. 7. Located near the intersection of Guadalupe Road and Price Road; 140 ft ESE. of centerline of bridge over canal; 39 ft S. of centerline of Guadalupe Road; 61.5 ft SSW. of power pole; 2.3 ft NW. of fence corner; in top			
	x = 459,878.23	1262.60		of Engineers disk stamped "TT W-10 1948 RESET 1955"			
PP M-10 USGS	Located 866 ft ENE. of station mark; Shouse.	W. corner of		(Reported not found, 1965 because of X = 507.240.07 Y = 859.844.80	road construction) 1192.12		
	x = 460,735.40 $y = 859,756.73$	1288.0	PP W-10B	Located 141 ft WNW. of station; cent			
N-10	T. 1 S., R. 3 E., near SE. corner of sec	· 3;	AMS	at centerline of NS. canal. X = 507,101.74 Y = 859,870.84	1195.5		
	To reach from intersection of East Basel South 24th Street, Phoenix, go S. on Sou for 0.65 mi to rd. fork, take right fork	th 24th Street		2 - 501,101.14 1 - 055,010.04	1199.9		
	cross deep wash and continue westerly for trail going S., turn left, bypassing roc	r 0.15 mi to ks blocking	X-10	T. 1 S., R. 5 E., near SE. corner of Located near the intersection of Quan	ialupe Road and Dobson		
	trail, and go S. and SE. for 0.1 mi to rright fork and go S. for 0.05 mi to trai continue S. around a butte for 0.1 mi t travel. Station is 51 ft SW. from end o	l junction, o end of truck f trail up on		Road; 35 ft NW. of intersection; 28 : Road; 20 ft W. of Dobson Road; cemen culvert level with rd. intersection; disk stamped "TT X-10 1948"	ted in deck of concrete		
	a large flat boulder. Station mark is a cemented into a drilled hole. (Not visi	ted by USGS in		X = 512,425.14 Y = 859,976.57	1198.0		
	1965) X = 464,584.83	1343.49	PP X-10 USQS	Centerline of crossroads			
N-10		-32	0303	x = 512,445.9 Y = 859,949.7	1198.2		
Panel AMS	Panel is circular, donut shaped target mpainted rocks. Outside diameter, 14 ft; diameter, 6 ft. Panel is centered over Position and elevation are the same as s	inside station mark.					
S-10	T. 1 S., R. 4 E., near SW. corner of sec Located at the intersection of Guadalupe Highline Drive; 50 ft NE. of intersection centerline of Guadalupe Road and 36 ft E of Highline Drive; 13.4 ft E. of telephon NE. of G.L.O. section corner pipe; in to post projecting 0.3 ft above ground and than rd. intersection; Corps of Engineer. "TT S-10 1948" (Not visited by USGS in	Road and n; 37 ft N. of . of centerline ne pole; 3.4 ft p of concrete 0.7 ft lower s disk stamped			() column () () () () () () () () () (

X = 491,420.95

Y = 854,509.12

1196.2

	ALDII IL		
STATION	DESCRIPTION ELEVATION (reet)	STATION	DESCRIPTION ELEVATION (Feet)
J-11	T. 1 S., R. 3 E., near NW. corner of nec. 18. To reach from intersection of West Baseline Road and South 19th Avenue, go S. for about 1.8 mi to point where South 19th Avenue changes to trail, thence drive southerly on trail for 0.2 mi to end of truck travel, then walk up hill to SW. for about 150 ff to station site. Station mark is 30.5 ff NW. of bank of drain, and 25 ft SE. of drop off; in top of	U+11	T. 1 S., R. 4 E., near NW. corner of sec. 4. Station is located near the intersection of Gilbert Road and Canal Drive; 78 ft Sr. of intersection; 55 ft S. of centerline of Gilbert Road; 82 ft E. of centerline of Canal Drive; 1.5 ft W. of NS. fence; in top of concrete post; Corps of Engineers disk stamped "U-11 AMS 1963"
	concrete post projecting 0.4 ft above ground; Corps of Engineers disk stamped "TT J-11 1948 RESET AMS 1952"		x = 496,684.81 $y = 854,484.69$ 1181.0
	(Not visited by USGS in 1965)	PP U-11	Centerline of crossroads
	x = 444,184.65 $y = 854,333.45$ 1413.15	USGS	X = 496,604.3 $Y = 85h,540.6$ 1180.7
J-11	A cross-shaped, rock panel, painted white. The geometric		
Panel AMS N-11	center of the panel. Same horizontal position as station mark. 1412.8 T. 1 S., R. 3 E., near SW. corner of sec. 11. To reach from intersection of South Central Avenue and Baseline Road, go S. on paved rd. into South Mountain	V-11	T. 1 S., R. 4 E., near NW. corner of sec. 13. Station is located at the intersection of Gilbert Road and McClintock Drive; 45 ft SE. of Intersection; 40 ft S. of centerline of Gilbert Road; 13 ft E. of centerline of McClintock Drive; 0.8 ft higher than rd. intersection in top of SW. corner of concrete headwall; Corpo of Engineers disk stamped "TT V-11 1948"
	Park for 2.6 mi to rd. forks, thence take middle fork of three and go 1.3 mi to rd. fork, take left fork		x = 501,897.27
	(Summit Drive) and continue around curve and up long grade for 3.4 ml to rd. fork, take right fork and go	PP V-11	Centerline of crossroads
	E. for 1.25 mi to end of truck travel at an island turnaround. Pack E. thence NE. on Hidden Valley trail	USOS	X = 501,885.3 Y = 854,510.4 1165.1
	for about 0.8 ml to large, high, dark rock outeropping on S. side of trail (about 25 minute pack), turn NW.		The second secon
	and walk to barren hill and station site. Station mark is 24 ft SW. of large ocotillo bush; set in concrete O.4 ft below ground surface; Corps of Engineers disk stamped "TL N-11 1960 ARMY MAP SERVICE". (Not visited by USGS in 1965)	W-11	T. 1 S., R. 4 E., near SE. corner of sec. 12. Station is located at the intersection of Glibert Road and Price Road; 40 ft NW. of intersection; 30 ft N. of centerline of EW. rd.; 31 ft W. of centerline of NC. rd.; 4 ft E. of E. edge of irrigation ditch; in tup of concrete post 0.1 ft below surface of ground; Corps of
	X = 465,394.27 $Y = 854,587.21$ 2313.0		Engineers disk stamped "TT W-11 1946 RESET 1955"
N-11 Panel	A circular, donut shaped panel of black painted rocks; outside diameter, 14 ft; inside diameter, 6 ft; Panel		X = 507,155.42 $Y = 854,616.60$ 1191.19
AMS	is centered over station mark. Position and elevation of panel same as station mark.	PP W-11 USGS	Centerline of crossroads
		0303	X = 507,187.4 $Y = 854,588.2$ 1130.7
R-11	T. 1 S., R. 4 E., near SE. corner of sec. 7. To reach from intersection of East Baseline Road and Highline Drive (South 56th Street), drive S. for 2.0 mi to crossroads, turn right and go 1.0 mi along Gilbert Road to trail S. and station site. Station mark is located 42 ft N. of centerline of EW. rd.; 9.1 ft W. of telephone pole No. 675; in top of round concrete post projecting 0.2 ft above ground; Corps of Engineers disk stamped "TT R-11 1948 RESET AMS 1955" (Not visited	X-11	T. 1 S., R. 5 E., near NE. corner of sec. 18. Station is located at the intersection of Gilbert and Dobon Roads; 31 ft SW. of intersection; 26 ft S. of centerline of Gilbert Road; 15 ft W. of centerline of Dobson Road; cemented in top of concrete headwall; 0.7 ft higher than rd. intersection; Corps of Engineers disk stamped "TT X-11 1948"
	by USGS in 1965)		X = 512,474.90 $Y = 854,631.08$ 1196.82
	X = 480,714.40 $Y = 854,481.77$ 1281.0	PP X-11	Centerline of crossroads
PP R-11 AMS	The intersection of S. edge of EW. rd. and centerline of trail S.	USGS	X = 512,489.3 $Y = 854,658.1$ 1196.1
	X = 480,729.90 $Y = 854,432.74$ 1279.2	Y-11	T. 1 S., R. 5 E., near NE. corner of sec. 17. Located at the intersection of Gilbert Road and Alma School Road;
S-11	T. 1 S., R. 4 E., near SW. corner of sec. 9. Station is located near the intersection of Highline Drive (South 56th Street) and Gilbert Road; 48 ft NE. of		33 ft SE. of intersection; 20 ft W. of centerline of Alma School Road; 24 ft S. of centerline of Glibert Road; 5.9 ft NNE. of power pole; cemented in top of concrete headwall; Corps of Engineers disk stamped "TT Y-11 1948"
	Intursection; 29 ft E. of centerline of South 56th Street; 38 ft N. of centerline of EW. rd.; 3.6 ft NE. of telephone pole No. 55; in top of concrete post projecting		X = 517,765.16 Y = 854,712.02 1203.05
	0.1 ft above ground; Corps of Engineers disk stamped	PP Y-11	Centerline of EW. rd. at centerline of rd. N.
	"TE S-11 1960 ARMY MAP SERVICE" (Not visited by USGS In 1965)	USGS	X = 517,784.9 $Y = 854,736.3$ 1203.2
	x = 486,046.58 $y = 854,547.20$ 1235.01		
PP S-11A	On E. aide of South 56th Street; centerline of small EW. ditch at E. edge of headwall.	N.	TIER 12
	x = 486,034.21 $Y = 854,581.97$ 1234.7	Q-12	T. 1 S., R. 3 E., near SE. corner of sec. 13.
T-11 (C&GS BM S-22)	T. 1 S., R. 4 E., near SW. corner of sec. 10. Station is located near the intersection of Kyrene Road and Gilbert Road; 66 ft HE. of RR. grade crossing; 29.5 ft SE. of centerline of RR. tracks; 43 ft W. of centerline of drive to N.; in top of concrete post projecting 0.8 ft above ground; USC&OS standard disk stamped "S 22 1933" (Not visited by USCS In 1965)	002	To reach from the intersection of Baseline Road and Highline Road (South 56th Street), drive S. for 3.0 mi to rd. intersection, turn right and go W. for 2.0 mi along Warner Road to ranch house and garage; 11 ft S. of N. end of garage; 5.4 ft E. of E. wall of garage; in top of concrete post set flush with ground; Corps of Engineers disk stamped "TT Q-12 1948" (Not visited by USGS in 1965)
	X = 491,394.00 $Y = 854,597.56$ 1195.12		X = 475,384.88 $Y = 849,103.26$ 1320.51
PP T-11	92 ft SE. of station mark; centerline of EW. ditch at	PP Q-12 AMS	SE, corner of garage
AMS	headwall of culvert.		X = 475,380.36 $Y = 849,072.74$ 1320.6
	M Not hos on a Oak on an area		

STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINA		ELEVATION (feet)	
8-12	T. 1 S., R. 4 E., near SE. com	ner of sec. 17. Located	G-13	The center of white-	-painted asphalt ere	ss-target	1 -3
	at the intersection of Highlin Street) and Warner Road; 23 ft Highline Road; 35 ft N. of cen	e Road (South 56th W. of centerline of terline of Warner Road;	Panel AMS	Same horizontal pos	ition as monument	1295.7	
	2.8 ft NME. of power pole No.	45/81; in top of	L-13	T. 1 S., R. 3 E., 1	NW. corner of sec.	. 28.	
	Engineers disk stamped "TL 5-13" (Not visited by USGS in 1965)	2 1960 ARMY MAP SERVICE"		To reach from entras Harvester Proving G	rounda (permission 1	to enter	
	X = 485,997.25 $Y = 849,233$.	56 1219.99		grounds must be obtomaintenance building	zi: paes through en	trance gate.	
	THE STATE OF THE S	14 (17 Bb4 - 1.1		turn left and follow	w graveled rd. W. II thence turn left a	or 1.95 mi to nd follow tes	6
PP S-12 AMS	Located 343 ft W. of station; t centerlines of EW. rd. and NE (Highline Canal)			track for 4.0 mi to thence take gravele so 0.15 mi to point	d rd. at E. end of ; where rd. turns N.	parking area , thence turn	and N.
	x = 485,656.61 $Y = 849,198$.	14 1222.2	1	and go 0.1 mi to rd for 0.1 mi, thence	. E., thence turn r leave rd. and go ES: station site: in t	ight and 40 f E. across cou on of round	ntry
U-12	T. 1 S., R. 4 E., near NW. cor Located at the intersection of	ner of sec. 23.	1010	concrete post proje of Engineers disk s	tamped "TR L-13 194	8" (Not	
	Drive; 38 ft SE. of intersection centerline of Canal Drive; 34 f	n; 20 ft E. of		visited by USGS in	Control of the second	in the part	
	Warner Road; cemented in top of	NW. corner of concrete			Y = 843,467.54	1414.04	1004
	irrigation structure; Corps of "TT U-12 1948"	Engineers disk scamped	L-13 Panel	The center of circu with open center 6	lar black rock pane ft in diameter. Pa	1 14 ft in di nel is center	ameter red
	X = 496,650.66 $Y = 849,208$.	02 1177.78	AMS	over station mark.		1413.6	
PP U-12	Centerline of crossroads			Same horizontal pos	ition as station	1413.0	
usus			5-13	T. 1 S., R. 4 E., 1	n NE. corner of sec	. 29.	
	X = 496,630.8 $Y = 849,241.$	1177.5	3-13	Located at the inte	raction of Highlin	f intersection	311;
V-12	T. 1 S., R. 4 E., near ME. corn	er of sec. 23.		30 ft C of center!	ine of Ray Road; 24 5 ft SSE. of steel	IL W. OI CE	I CET TTILE
	Located at the intersection of McClintock Drive; 46 ft SW. of	Warner Road and		MMF of fence corne	r: in top of concre	ite post set	J. D 1 C
600	W. of centerline of McClintock	Drive: in top of NW.		below ground surface "TT S-13 1948 RESET	e: Corps of Enginee AMS 1955" (Not vi	aited by USG	S in
Alle	corner of concrete irrigation s Engineers disk stamped "TT V-12	1948"	2011	1965)			
742 Tro.	X = 501,864.66 $Y = 849,201.$	74 1183.0		X = 486,001.17	Y = 843,858.67	1199.31	
PP V-12	Centerline of crossroads	milet TIP Cognite	PP S-13	673 ft N. of static	on S-13; W. edge of	NS. rd. at	
USGS	X = 501,893.8 Y = 849,237.	3 05 1 1162.3	18	centerline of drive		1202.3	
	A HORED W- E TOWNSHIE W . TUY B			x = 486,015.55	Y = 844,531.15	1505.3	
W-12	T. 1 S., R. 5 E., near NW. corn	er of sec. 19.	U-13	T. 1 S. R. 4 E.	mear NW. corner of	sec. 26.	
H-15	Located at the intersection of Road; 27 ft SE. of intersection of Warner Road; about 14 ft E. Road; in top of concrete headwa disk stamped "TT W-12 1948"	; 25 ft S. of centerline of centerline	1	Located at the intersection of the control of the c	ersection of Ray Rot section; 21 ft E. of S. of centerline of f ditch to S.; in to	ad and Canal C centerline C Ray Road; 3 op of NW. cor han rd. inter	.5 ft
144	X = 507,321.80 $Y = 849,287.$	32 1188.41		Corps of Engineers	disk stamped "TT U	-13 1340	
PP W-12	Centerline of crossroads	Linear an appearant 1040)		x - 496,728.51	Y = 843,892.96	1174.52	05058
USGS	x = 507,310.9 $Y = 849,312.$	6 1187.8	U-13 Panel USGS		tation mark; a 12-1	by 12-foot sq	uare
X-12	T. 1 S., R. 5 E., near NW. corn	er of sec. 20.	0303	x = 496,767.77	Y = 843,885.27	1173.6	
	Located at the intersection of Road; 27 ft SE. of intersection	Warner Road and Dobson : 14 ft E. of centerline	PP U-13	Centerline of cros	sroads		
	of Dobson Road; 22 ft S. of cen in top of N. end of concrete cu Engineers disk stamped "TT X-12	terline of Warner Road; lvert headwall; Corps of	USGS	x = 496,707.8	Y = 843,912.5	1173.7	
	X = 512,515.98 $Y = 849,392$.	73 1197.0	/-13	T. 1 S., R. 4 E.,	near NE. corner of ction of McClintock	sec. 26.	r Road:
PP X-12	Centerline of crossroads	A HUR LOLL OF BUILD		30 ce cu of inter	eaction: 24 ft S. O	r centerline	OI NAY
usos	X = 512,501.8 Y = 849,414.				centerline of McCli f ditch to W.; in t		
	1. The bagger of			"TT V-13 1948"	endwall; Corps of E	ngineers dis	c scamped
Y-12	T. 1 S., R. 5 E., near SW. corn	er of sec. 16.		X = 501,881.61	Y = 843,890.72	1181.0	
	Located at the intersection of School Road; 32 ft NE. of inter	section: 25 ft N. of	P V-13	Centerline of cros		11 104	
	Warner Road; 21 ft E. of center 8.1 ft WNW. of power pole; in t	line of Alma School Hoad;	38		Y = 843,915.5	1178.8	
	headwall; Corps of Engineers di "TT Y-12 ARMY MAP SERVICE"	sk stamped		x = 501,897.2	1 = 043,917.7	22,0.0	
	x = 517,822.15 $y = 849,431$.	64 1200.4	W-13		near SE, corner of	sec. 24.	Boade
DD W 10	20 450			Located at the int	ersection of Frice Road:	21 ft N. of	
PP Y-12 USGS	Centerline of crossroads	2000		centerline of Ray	Road: 7 ft NE. of t	elebuoue bor	in
	X = 517,801.3 $Y = 849,406.$				ost set 0.5 ft below s disk stamped "TT b		ace;
	TIER 13	THE RESERVE OF THE PARTY OF THE		X = 507,192.67		1187.12	XII.
			PP W-13	Centerline of cro	вьествя		
G-13 (CAGS	T. 1 S., R. 2 E., 0.2 mi SE. of To reach from the intersection	NW. corner of sec. 26.	USGS	X = 507,213.1	Y = 844,028.7	1186.9	
BM P-272)	Baseline Road in Phoenix, go S. to three-way intersection in So	on Contral Avenue 2.6 ml			es le 21 0 es bra :	Janes De Iw	
r-e1e1	along center rd. SW. for 1.3 mi	to rd. junction, thence			(618 0) 5	as He	
milde	right and continue SW. for 2.4 mi to station site. Station is about 40 ft SE. of centerline of rd., and is					A SERVER FOR	
	at geometric center of white-pa top of concrete post projecting	0.2 ft.: USC&GS standard			Bet X HI-1 E	Locales	
	disk stamped "P 272 1948 TT G-1 in 1965)	3" (Not visited by USGS			W. 12 Y \$10,10		
	X = 434.373.70 Y = 842.993.	29 1295.91		Hara /201-01 vs -01	Name of Lands and	hard-read	Yakgam

¥ = 842,993.29

1295.91

x = 434,373.70

Service that distinct same a 10- by 15-foot sendle real to foot, at the foot, and the foot same as startles size.

	*							
STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORD	INATES (100 MILES COOK)	ELEVATION (feet)		
X-13	T. 1 S., R. 5 E., near SE. corner of a Located at the intersection of Ray Road, 37 ft NW. of intersection; 35 ft of Ray Road; 14 ft W. of centerline of cemented in top of concrete headwall; disk stamped "TT X-13 1948"	d and Dobson N. of centerline Dobson Road;	S-14 mar	Located at the in and Highline Driv. of S. edge of pav. N. of N. edge of 20E-5S; in top of	near NE. corner of st tersection of Williams e (South 56th Street) ement of Williams Fiel EW. ditch; 3 ft ENE concrete post flush	s Field Road N.; 18 ft S. ld Road; 6 ft of power pole		
	X = 512,501.81 $Y = 844,209.55$	1199.0		"TT S-14 1960 ARM	Corps of Engineers disk stamped "TT S-14 1960 ARMY MAP SERVICE" (Not visited by USGS in 1965)			
PP X-13 USGS	Centerline of crossroads			x = 486.014.44	Y = 838,512.89	1174.44		
	x = 512,516.1 Y = 844,175.8	1197.8	PP S-14	643 ft N. of stat	ion S14; centerline	of NS. rd.		
Y-13	T. 1 S., R. 5 E., near NE. corner of s	ec. 29.	AKS		NESW. canal.			
	Located at the intersection of Ray Roa Road; 56 ft S. of centerline of Ray Roa centerline of Alma School Road; cement storm drain structure; 2 ft NN. of E. of Engineers disk stamped "TT Y-13 196	ad; 42 ft W. of ed in top of small corner: Corps	T-14	X = 486,038.06 Y = 839,155.55 1178.9 T. 1 S., R. 4 E., near NW. corner of sec. 34. Located at the intersection of Williams Field Road and Nurse Read S. 47.5 S. of centerline of Williams				
	X = 517,743.94 Y = 844,076.71	1202.6		and Kyrene Road S.; 47 ft S. of centerline of William Pield Road; 20 ft E. of centerline of Kyrene Road S.; 10 ft SE. of power pole; 5.2 ft SE. of fence corner;				
Y-13 Panel	Centered over station mark; a 12- by 1 white panel.	2-foot square		in top of concret	e post flush with sur	face of ground;		
USGS	Position and elevation same as station			Corps of Engineers disk stamped "TT T-14 1960 ARMY MAP SERVICE" (Not visited by USGS in 1965)				
PP Y-13 USGS	Centerline of crossroads			x = 491,382.53	Y = 838,534.23	1164.51		
	X = 517,785.1 $Y = 844,133.2$	1203.5	PP T-14		rd., at point of disa	ppearance of		
not yet	TIER 14	roots may	AMS	centerline of E	w. ditch Y = 838,541.52	1164.1		
14.94	appropriate of the Supplication of the supplic			x = 491,354.10	1 = 030,941.92	1104.1		
N-114	T. 1 S., R. 3 E., near SW. corner of s To reach from the intersection of Bave Highline Drive (South 56th Street) dri Drive for 5.0 mi to Williams Field Rom right and go 3.0 mi to end of parement W. on trail for 1.0 mi to station site shallow mash. Station mark is located	line Road and ve S. on Highline d, thence turn , thence continue , just W. of at center of	U-14	Located at the in Canal Drive; 34 f Road; 15 ft W. of of USCAGS BM "K 2	near NE. corner of stersection of William t S. of centerline of Canal 77 1940" on same head eadwall; Corps of Eng 1948"	s Field Road and Williams Field Drive; 3.5 ft N. wall; cemented in incers disk		
	southernmost of two panels; in top of projecting 0.2 ft; Corps of Engineers "TT N-14 1962 ARMY MAP SERVICE" (Not v	disk stamped		X = 496,547.20 .	Y = 838,582.27	1170.33		
	in 1965)	isited by USGS	PP U-14	On W. side of N	S. rd., N. edge of E.	-W. ditch at		
	X = 465,225.67 Y = 838,520.60	1246.0	AMS		station mark	1170.2		
N-14 Panel	The geometric center of southermost of black and white cross-target panel Same position as station mark	The Barrier Control	PP U-14 USGS		ssroads	2.12		
AMS		1245.8		x = 496,562.8	Y = 838,616.3	1169-3		
n-14B	T. 1 S., R. 3 E., near SW. corner of a To reach from the intersection of Base Highline Drive (South 56th Street) dri Drive for 5.0 mi to Williams Field Roaright and go 3.0 mi to end of pavement W. on trail for 1.0 mi to station site shallow wash. Station mark is legated	line Road and ve S. on Highline d, thence turn , thence continue , just W. of	V-14 (CAGS BM J-277)	Located at the in McClintock Drive; Field Road; 12 ft centered in top o	near SW. corner of stersection of William 51 ft N. of centerli E. of centerline of f concrete headwall; 77 1948" (Not visite	s Field Road and ne of Williams McClintock Drive; USC&GS standard		
	Station N-14; at center of northernmos an octagon-shaped steel rod projecting	t of two panels; ; 0.3 ft above		MINES NO. 1	Y = 838,630.75			
	ground; designated "TT N-14B 1962 ARMY (Not visited by USGS in 1965)	MAP SERVICE"	PP V-14 AMS	337 ft S. of stat NW. edge of NES	ion V-14; on W. side W. canal at headwall.	of McClintock Drive;		
	X = 465,195.37 Y = 838,829.08	1248.4		X = 501,887.71	Y = 838,294.41	1182.3		
N-14B	The geometric center of northernmost		W-14	T. 1 S., R. 4 E.,	near SE. corner of s	ec. 25.		
Panel AMS P-14	black and white cross-target panel Same position as station mark T. 1 S., R. 2 E., in SW. corner of sec	1248.1	(C&GS EM H-277)	Located at the in Price Road; N. of centerline of Pri	tersection of William Williams Field Road; ce Road; centered in S standard disk stamp	s Field Road and 14.5 ft W. of top of headwall		
	To reach from the intersection of Will and Highline Drive (South 56th Street)	, drive W. 3.0		x = 507,225.76	Y = 838,802.82	1187.74		
	mi to end of pavement and station size is 37 ft N. of centerline of Williams NE. of fence corner; in top of concret 0.4 ft above ground; Corps of Engineer "TT P-14 194" RESET AMS 1953"	Field Road; 3 ft e post projecting	PP W-14 AMS		W. ditch at W. headwa station mark			
	x = 470,327.67	1228.53			TIER 15			
P-14 Panel	Centered over station mark; a 12- by 1 white panel	2-foot square	G-15	T. 2 S R. 2 E	near NW. corner of s	ec. 2.		
P-14X	Located about 0.4 mi N. of station P-I or each from the intersect on of Will and Highline Drive (South 56th Street) mi to end of parement and rd. forks, t and go NW. on track rd. for 0.25 mi to dim trail	iams Field Road , drive W. 3.0 ake right fork rd. fork, take on right, turn	(1) (4) (4)	To reach from Lav (51st Avenue) for St. Johns Mission for 2.0 mi to lar corner and statio where drain cross 2 ft SE. of fence projecting 0.4 ft	een, go S. on black to 5.0 mi to rd. inters to turn left and go E. ge man-made run-off d n site. Station mark es rd.; 32 ft S. of corner; in top of co above ground; Corps 1948 RESET AMS 1953"	op rd. ection at on graveled rd. itch and fence is 74 ft SE. of enterline of rd.; ncrete post		
	right and go up hill passing to right hill and into saddle; stay on dim tra	il until reaching		X - 433,982.64	Y = 833,135.97	1081.50		
	a fair NS. trail, turn right and go halfway to top, t: small nose and stat in outcropping of bedrock; Corps of En stamped "TR P-14 X 1948"	up firs. hill about ion site; comented	PP G-15 AMS	About 900 ft W. of formed by N. edge powerline rd.	of station G-15, the p of EW. rd. and SW.	oint of vegetation edge of NWSE.		
	x = 470,297.12 Y = 840,482.28	1353.3		X = 433,090.75	Y = 833,241.82	1081.9		
Annual Section						The state of the s		

Centered over station mark; a 12- by 12-foot square white panel Position and elevation the same as station mark.

P=14X Panel USGS

1182.33

1192.5

1070.8

1071.4

1097.3

ELEVATION (feet) STATION DESCRIPTION PTION ELEVATION PLANE COORDINATES (feet) STATION DESCRIPTION
PLANE COORDINATES T. 1 S., R. 3 E., near SW. corner of sec. 31;
To reach from intersection of South Central Avenue
and Baseline Road, go W. along Baseline Road for
5.55 mi to 51st Avenue (Leteral 17); go S. on black
top rd. for 6.0 mi to crossroads at St. Johns Mission;
turn left and go E. on graded dirt rd. for 4.1 mi to
curve in rd. and station site. Station mark is 106 ft
NNE. of G.L.O. section corner pipe and is at geometric
center of white panel; in top of concrete post projectin
O.8 ft above ground; Corps of Engineers disk stamped
"TT J-15 1948" T-16 Centered over station mark, black and white cross-J-15 target panel. Same position as station mark AMS T. 2 S., R. 5 E., near NW. corner of sec. 7
To reach from intersection of Arizona Avenue (State Highway 87) and Germann Road S. of Chandler, drive W. on Germann Road for 3.0 mi to junction with Price Road and station site. Station mark is located in SE. corner of intersection; 66 ft E. of centerline of Price Road; 37 ft S. of centerline of Germann Road; in top of concrete post; Corpa of Engineers disk stamped "TT W-16 1948 RESET AMS 1953" (Not visited by USGS in 1965) W-16 x • 444,590.73 Y = 833,318.41 1153.43 White cross-target panel centered over station mark. Same position as station mark J-15 Panel AMS Y = 827,858.68X = 507,360.25 T. 2 S., R. 3 E., near SE. corner of sec. 36.
To reach from intersection of Baseline Road and Highline Drive (South 55th Street), go S. on 55th Street to end at Williams Field Road, turn right and go W. for 2.0 mi to rd. S., turn left and go S. for 1.0 mi to curve to E. and station site. Station is located 19 ft W. of centerline of N.-S. rd.; 16 ft SE. of irrigation control gate; 17 ft NE. of electric pump; 9.9 ft NNM. of power pole; 2.5 ft SW. of fence corner; in top of concrete post flush with ground; Corps of Engineers disk stamped "TT Q-15 1948 RESET AMS 1953" (Not visited by USGS in 1965) On W. side of Price Road; centerline of E.-W. ditch at PP W-16 9-15 AMS culvert headwall. x = 507,269.41 y = 827,858.76T. 2 S., R. 5 E., near SW. corner of sec. 5.
To reach from intersection of Arizona Avenue (State Highway 87) and Germann Toad S. of Chandler, drive W. on Germann Road for 2.0 mit to Bobson Road and station site. Station mark is located NE. of intersection; 37 ft N. of centerline of Germann Road; 26 ft E. of centerline of Dobson Road; cemented in top of concrete headwall, 0.6 ft higher than intersection; Corps of Engineers disk stamped "TT X-16 1946" (Not visited by USGS in 1965) X-16 x = 475,562.48Y = 833,321.68 1168.5 PP Q-15 AMS The NW. end of ditch, at centerline X = 512,606.81 Y = 828,012.021168.0 x = 475,488.44 y = 833,282.93Intersecting centerline of N.-S. ditch and ditch W. PP X-16 T. 1 S., R. 4 E., near SE. corner of sec. 32.
To reach from intersection of Baseline Road and Highline Drive (South 56th Street), drive S. for 5.0 mi to Williams Field Road, turn let for O.1 mi to T-rd. S. (Maricopa Highway); turn right and go S. for 1.0 mi to start of curve in hwy. and station site. Station mark is located 28 ft W. of centerline of hwy; 25 ft N. of ditch; 5.6 ft W. of centerline of d.tch N.; in top of concrete post set 1.0 ft below surface of ground; Corps of Engineer disk stamped "TT S-15 1960 ARMY MAP SERVICE" (Not visited by USOS in 1965) AMS Y = 828,093.92 5-15 X = 512,547.09 TIER 17 T. 2 S., R. 2 E., approximately 0.1 mi S. of NE. corner of sec. 15. To reach from Laveen, drive S. on black top rd. for 6.35 mi to rd. forks, take left fork and go SE. for 2.4 mi to powerline crossing, turn sharp left and go NW. on powerline rd. for 0.6 mi to cross trail and station site. Station mark is located 26 ft SW. of interesting, 16 ft S. of centerline of NW.-SE. trail; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT G-17 1962 ARMY MAF SERVICE" -17 X = 485,979.98Y = 833,308.531153,45 PP S-15 AMS Intersecting centerline of N.-S. hwy. and E.-W. ditch X = 486,007.56 Y = 833,284.27 1154.1 X = 433,942.21Y = 822,541.20T. 1 S., R. 5 E., near SE. corner of sec. 31.
Located at intersection of Pecos Road and Dobson Road;
20 ft N. of texterline of Pecos Road; 21 ft W. of
centerline of Dobson Road; 11 ft S. of centerline of
E.-W. ditch; 3 ft SW. of telephone pole; in top of
concrete post flush with ground and level with
intersection; Corps of Engineers disk stamped
"TT X-15 1948" (Not visited by USGS in 1965) Centered over station mark, 12- by 12-foot square white X-15 3-17 Position same as station mark T. 2 S., R. 3 E., near SW. corner of sec. 7.
To reach from crossroads at St. Johns Mission, drive E. on graded ri. for 1.0 mi to powerline crossing, turn right and go SE. on powerline rd. for 0.65 mi to trail crossing, turn left and go SE. on SW. side of fence for 0.75 mi to fence corner, turn left and follow fence NE. for 0.35 mi to fence corner, turn right and go SE. on SW. side of fence for 2.15 mi to small grove of trees and station site on left. Station mark is located 105 ft NE. of fence; 213 ft NE. of rd.; in geometric center of black panel; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT J-17 1945" (Not visited by USGS in 1965) Y = 833,522.78X = 512.543.601196.0 On W. side of N.-S. rd., centerline of E.-W. ditch at headwall of culvert. PP X-15 X = 512.545.21 Y = 833,533.29 1195.4 TIER 16 X = 444,806.01 Y = 823,168.09T. 2 S., R. 4 E., near SE. corner of sec. 5.
To reach from junction of Maricopa Highway and Williams Field Road, drive S. on hwy. for 2.1 mi to intersection of E.-W. track rd., turn left and go ENE. on track rd. for 0.25 mi to intersection of NE.-SW. track rd., continue E. for 0.1 mi to track rd. intersection and station site. Station mark is 7 ft E. of centerline of N.-S. track rd.; 8.5 ft N. of centerline of E.-W. track rd.; in top of concrete post projecting 0.3 ft above ground; Corps of Engineers disk stamped "TT S-16 1948" (Not visited by USGS in 1965) Geometric center of black asphalt, cross-target panel. 5-16 J-17 Panel Position same as station mark AMS T. 2 S., R. 3 E., near NE. corner of sec. 17.
To reach from main crossroads near St. Johns Mission, drive E. on graded section line rd. for 1.9 mi to powerline crossing, turn right and go SE. on powerline rd. for 4.0 mi to cross road, turn left and go E. on trail for 0.7 mi to station site. Station is located 2 ft S. of trail and is at center of black asphalt panel; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "TT L-17 1948" (Not visited by USOS in 1965) L-17 1148.72 X = 485,752.28 Y = 828.628.28PP S-16 Intersecting centerlines of track rds. (crossroads) X = 454,784.16 Y = 822,858.51 1097.4 x = 485,746.93 y = 828,619.19Decemetric center of black asphalt, cross-target panel. L-17 T. 2 S., R. 3 E., near NE. corner of sec. 9.
To reach from intersection of Cleveland Street and
Arizona Avenue in Chandler, drive W. on Cleveland Street
(which becomes Williams Field Road) for 6.0 mi to
intersection of Kyrene Road, turn left and go S. for
1.0 mi, thence jog E. for 0.05 mi, continue S. for 1.0
mi to station site. Station is located 59 ft W. of N.-S.
rd., in center of permanent panel; in top of concrete
post projecting 0.6 ft; Corps of Engineers disk stamped
"TT T-16 1948" (Not visited by USGS in 1965) T-16 Pane 1 Position same as station mark

x = 491,396.62

Y = 827,819.58

STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)				
N-17	T. 2 S., R. 3 E., about 0.3 mi S. of Nv sec. 15. Station is located about 1.7 Butte Ranch and about 1.0 mi WSW. of Lc Station mark is in box-shaped clearing; centerline of EW. rd.; in top of comprojecting 0.6 ft; Corps of Engineers of TT M-17 1948" X = 460,252.55 Y = 821,697.30	mi N. of Lone one Butte; ; 9 ft S. of	R-17	T. 2 S., R. 4 E., near NE. corner To reach from the intersection of and Williams Field Road, drive S. for 2.1 mi to EW. cross trails, 0.55 mi to telephone line, turn letelephone line rd. for 0.85 mi to No. 475. Station mark is about 3 line; in top of concrete post procorps of Engineers disk stamped "!	Maricopa Highway on Maricopa Highway turn right and go fft and go S. along telephone pole of t W. of telephone jecting 0.5 ft;				
M-17 Pane1 USGS	Centered over station mark, 6- by 6-fee paper panel. Position same as station mark	ot black tar- 1098.9	ball	X = 480,911.24 Y = 822,895.33 Position and elevation by USGS in	1965. 1135.47				
		10.00	R-17 Panel	Centered over station mark, 9- by white panel; two 3- by 12-foot win					
N-17 JACKSON	T. 2 S., R. 3 E., near ME. corner of se To reach from intersection of Arizona / Cleveland Street in Chandler, drive W.	Avenue and on Cleveland	USGS	Position same as station mark	1135.0				
	(which becomes Williams Field Road) for T-rd. S., turn left and go S. for 1.0 m for 0.1 mi, then continue S. for 1.35 m turn right and go SW. on main rd. for to S. and trail N., turn sharp right ar	ni, then jog r. ni to crossroads, 2.35 mi to curve	R 2 - 17 USGS	Located about 0.5 mi E. of station reinforcing rod projecting 0.3 ft; station mark, 9- by 9-foot square	centered over				
	o.4 mi to base of butte. Pack to top a station mark (about 15 minute pack). O hole, in bed rock outcropping 0.2 ft be	of butte and Cemented in drill clow surface;			d Elev. 1141.80				
	Corps of Engineers disk stamped "JACKNON 1935 RESET AMS 1948" (This at in a slightly different position from 1 1935.) X = 464,815.87 Y = 822,834.26	tation was reset USCAGS JACKSON	3-17	T. 2 S., R. 4 E., about 0.25 mi W. of NE. corner of sec. 17. To reach from intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 2.5 mi to rd. SE. by side of gravel pit, turn left and go ESE. for 0.3 mi to trail leading S.,					
N-17 Panel AMS	Geometric center of white rock, cross-to	c center of white rock, cross-target panel.		ometric center of white rock, cross-target panel. ition and elevation same as station mark.	turn right and follow trail S. for 0.6 mi to station site. Station is 66 ft E. of trail and at center of black painted panel; in top of concrete post projectin 0.3 ft; Corps of Engineers disk stamped "TT S-17 1960 ARMY MAP SERVICE"				
P-17	T. 2 S., R. 3 E., near SE. corner of se	ec. 11.		X = 485,102,43 $Y = 822,817.24$	1144.60				
	To reach from intersection of Baseline Drive (South 56th Street), drive S. on	56th Street for	S-17 Panel	Centered over station mark; black	cross-target panel.				
	5.0 mi to Williams Field Road, turn rig 2.0 mi to T-rd. S., turn left and go S jog E. for O.1 mi, then continue S. for	for 1.0 mi, then	AMS	Same horizontal position as static	n mark 1144.3				
day Anta i	intersection, turn right and go SW. for leading S. between two large trees for site. Station is located B ft W. of N. of concrete post projecting 0.5 ft; Con disk stamped "BM P-17 1948"	r 1.05 mi to trail 0.2 mi to stationS. trail: in top	East of S-17 USGS	Located about 0.25 mi E. of static lake bed; station is marked by 3/ projecting 0.2 ft; paneled with 9- white panel centered over station	8-in. reinforcing rod by 9-foot square				
	X = 470,730.37 Y = 823,247.35 Position and elevation determined by US	1120.83		No horizontal position Ro Pane	d Elev. 1144.80 1 Elev. 1144.6				
P-17 Panel USGS	Centered over station mark, 9- by 9-for panel. There are two 3- by 12-foot wis identification Position same as station mark Located about 0.5 mi E. of station P-1	1120.3 7; 2- by 2-in.	T-17	T. 2 S., R. 4 E., about 0.2 mi W. of SE. corner of sec. 9 To reach from intersection of Maricopa Highway and William Field Road, drive S. on Maricopa Highway for 2.5 mi to rd SE. by side of gravel pit, turn left and go SE. for 1.4 m to intersection of cross trails and station site. Station mark is 26 ft N. of centerline of NNSE. rd. and 7 ft W. of centerline of NS. trail; in top of concrete post projecting 0.4 ft above ground; Corps of Engineers disk stamped "TT T-17 1948"					
USGS	wooden hub projecting 0.1 ft; paneled a square white panel centered over station	on mark.		X = 490,358.41 Y = 823,253.73	1155.5				
		ev. 1125.46 ev. 1125.4	T-17 Panel USGS	6- by 6-foot square white panel, c two 3- by 12-foot wings for identi	entered over station mark;				
0-12	T. 2 S., R. 3 E., near NE. corner of se	ec. 13	3203	Same horizontal position as statio	n mark 1155.1				
Q-17	To reach from intersection of Baseline Drive (South 56th Street), drive S. on 5.0 ml to Williams Field Road, turn rig. 0 ml to T-rd. S., turn left and go S. jog E. for 0.1 ml, then continue S., for 2.0 ml to station site. Station powerline, just SW. of G.L.O. section top of concrete post projecting 0.4 ft Engineers disk stamped "TT Q-17 ARMY M.	Road and Highline 56th Street for ght and go W. for . for 1.0 mi, then ollowing powerline s on W. side of corner pipe; in	J-17	T. 2 S., R. 4 E., near NE. corner To reach from intersection of Base Drive (South 56th Street), drive S 5.0 mi to Williams Field Road, tur 1.9 mi to cross road, turn right a cross trail near large mesquite bu Station mark is located 45 ft E. c NS. rd.; 12 ft W. of centerline S. edge of SWNE. trail; in top o	line Road and Highline . on 56th Street for n left and go E. for nd go S. for 3.1 mi to sh and station site. f centerline of main of bulldozed drail; at f concrete post projecting				
		1131.64 v. by USGS		0.3 ft; Corps of Engineers disk st	amped "TT U-17 1948"				
Q-17 Panel	A 6- by 6-foot square black panel on 1: square white panel, both centered over	2- by 12-foot station mark.	U-17	X = 496,161.10 $Y = 822,763.77Centered over station mark; 12- by$	1165.01 12-foot square white				
USGS	Horizontal position same as station ma		Panel JSGS	panel. Same horizontal position as statio	n mark 1164.7				
Q1 - 17 USGS	Located about 0.5 mi E. of station Q-l'reinforcing rod projecting 0.2 ft; pan 9-by 9-foot square white panel centermark No horizontal position Rod el	eled with ed over station. ev. 1135.04	W-17	T. 2 S., R. 5 E., near SW. corner To reach from intersection of Clev Avenue in Chandler, drive W. on Cl to Price Road, turn left and go S. and station site. Station is local intersection. 10 ft. N. of center!	cland Street and Arizona eveland Street for 3.0 mi for 3.1 mi to T-rd. E. ted 36 ft NE. of				
	Panel elev. 1134.8			intersection; 19 ft N. of center11 E. of centerline of Price Road; 11 ditch; in top of concrete post set Corps of Engineers disk stamped "T	ft S. of centerline of flush with ground;				
				X = 507,383.96 $Y = 822,607.54$	1186.43				
			W-17 Panel	Centered over station mark, 12- by panel.	12-foot square white				

Same horizontal position and elevation as station mark.

Rod Elev. 1131.36 Panel Elev. 1131.2

No horizontal position

			TIER 18
STATION	DESCRIPTION ELEVATION PLANE COORDINATES (feet)	STATION	DESCRIPTION ELEVATION PLANE COORDINATES (feet)
X-17	T. 2 S., R. 5 E., near NE. corner of sec. 18. To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive W. on Cleveland Street for 2.0 mi, turn left on Dobson Road and go S. for 3.0 mi to rd. intersection and station site. Station is located 100 ft S. of centerline of EW. rd.; 20 ft W. of centerline of Dobson Road; 18 ft SE. of SE. corner of electric pump; in top of concrete post projecting 0.4 ft above ground; Corps of Engineers disk stamped "TT X-17 1948 RESET AMS 1953" (Not	L-18	
	visited by USGS in 1965)	L-18	A 6- by 6-foot square white panel centered over
	x = 512,610.14 $Y = 822,587.04$ 1197.0	Panel USOS	station mark.
PP X-17 AMS	at headwall.		Same horizontal position as station mark 1095.7
Y-17	X = 512,619.54 Y = 622,645.77 1196.8 T. 2 S., R. 5 E., near SE. corner of sec. 8. To reach from intersection of Cleveland Street and Arizons Avenue in Chandler, drive W. on Cleveland Street for 1.0 mi, turn left on Alma School Road and go S. for 3.0 mi to rd. intersection and station site. Station is located 17 ft N. of centerline of EW. rd., and 16 ft W. of centerline of NS. rd.; cemented in top of concrete headwall, 1.4 ft higher than intersection; Corps of Engineers disk stamped	M-18	Station is located 63 ft S. of intersection of NS. trail with powerline rd.; 18 ft E. of NS. trail; 20 ft W. of large lone tree; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM M-18 1948"
	"TT Y-17 1948"		X = 460,375.66 Y = 817,575.86 1101.6 Horizontal position by USGS in 1965.
Y-17 Panel	X = 517,959.14 Y = 822,798.60 1207.0 Located 86 ft SE. of station Y-17; center of 12- by 12- foot square white panel.	M-18 Panel USGS	A 6- by 6-foot square white panel centered over station mark.
USGS	x = 518.008.06	3302	Same horizontal position as station mark 1101.2
P-172 USGS	TIER 172 (USGS Leveling, 1965) Located about 0.5 mi S. of station P-17; station mark is 3/8-in. reinforcing rod projecting 0.2 ft;	и-18	T. 2 S., R. 3 E., near SE. corner of sec. 15. To reach from Lone Butte Ranch, drive E. for 1.0 mi to field rd. N., turn left and go N. for 1.0 mi to EW. ditch crossing and station site. Station is located 20.5 ft W. of centerline of NS. rd.; 18 ft S. of centerline of EW. ditch; in top of concrete post projecting 0.5 ft; Corps of Engineers disk
To a supple	9- by 9-foot square white panel centered over station mark.		
	Rod Elev. 1115.83 Panel Elev. 1115.6	N-18 Panel	
P1-171 USGS	T. 2 S., R. 3 E., near center of sec. 13, in lake bed on W. side of old NS. track rd.; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered on a 12- by 12-foot square	USGS P-18	
	Black panel, both centered over station mark. Rod Elev. 1119.29 Panel Elev. 1119.0		sec. 23; 2.0 mi E. of Lone Butte Ranch, thence 0.8 mi N.; station mark is 22 ft E. of NWSE. trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM P-10 1948"
Q-17½ USGS	Located about 0.5 mi S. of Q-17 at 1/4 cor. reset by powerline survey; on W. side of powerline; station		X = 470,736.54 Y = 816,994.76 1116.29 Position and elevation by USGS in 1965.
	mark is 1/2-in. rod projecting 0.1 ft; 9- by 9-foot square white panel centered over station mark. Rod Elev. 1124.60	P-18 Pane1 USGS	A 9- by 9-foot square white panel centered over station mark. There are two 3- by 12-foot wing panels for identification.
5.0	Rod Elev. 1124.50 Panel Elev. 1124.5		Same horizontal position as station mark 1115.9
Q1-171 USGS	T. 2 S., R. 4 E., near center of sec. 18, near NS. track rd.; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel centered over station mark.	Pi-18 USGS	Located about 0.5 mi W. of station Q-18; in flat open area; 50 ft W. of old NS. track rd.; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 9- by q-foot square white panel is centered over station mark.
	Rod Elev. 1130.17 Panel Elev. 1130.0		No herizontal position Rod Elev. 1124.64 Panel Elev. 1124.3
R-17½ USQS	Located about 0.5 mi S. of R-17; in low flat area SW. of 1/4 cor.; about 100 ft W. of telephone line; station mark is 3/8-in. reinfercing rod projecting 0.3 ft; 9- by 9-foot square white panel centered ever station mark. Rod Elev. 1135.98 Panel Elev. 1135.7	Q-18	T. 2 S., R. 3 E., near NE. corner of sec. 24. To reach from RR. crossing in Maricops, drive N. on hwy. toward Phoenix for 13.3 mi to T-rd. SW., turn left and go W. for 0.8 mi to powerline crossing, turn right and go N. on powerline rd. for 1.0 mi to station site. Station mark is located in center of black asphalt panel W. of powerline; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "TT Q-18 1948"
R1-171	T. 2 S., R. 4 E., near center of sec. 17; station mark		X = 475.721.68 Y = 817.649.07 1129.79
USOS	is 2- by 2-in. wooden hub projecting 0.2 ft; 9- by 9-foot square panel centered over station mark. Hub Elev. 1142.60	Q-18 Panel AMS	Centered over station mark, black asphalt cross-target panel.
	Panel Elev. 1142.4	Aria	Same horizontal position as station mark 1129.3
S-17½ USGS	Located about 0.25 mi E. and 0.5 mi S. of station S-17; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel is centered over atation mark.	Q2-18 USGS	Located about 0.25 mi E. of station Q-18; marked with 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.
			No horizontal position Rod Elev. 1131.36

Rod Elev. 1146.61 Panel Elev. 1146.4

T_18 Panel USGS

PLANE COORDINATES ELEVATION STATION DESCRIPTION Located about 0.5 ml E. of station Q-18; in open area just W. of old N.-S. track rd.; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel centered over station mark. Q1-18 USGS Rod Elev. 1133.11 Panel Elev. 1132.9 No horizontal position Located about 0.75 mi E. of station, in lake bed; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered Q3/4-18 USGS over station mark. No horizontal position Rod Elev. 1136.46 Panel Elev. 1136.3 T. 2 S., R. 4 E., near NW. corner of sec. 20. To reach from junction of Williams Field Road and Markopa Highway, drive S. on hwy. for 4.3 mi to telephone pole No. 455 E. of hwy. and station site; station mark is under telephone line; 25 ft N. of pole No. 455; 42 ft ESE. of centerline hwy.; in top of concrete post flush with dirt bank; Corps of Engineers disk stamped "BN R-18 1948" R-18 X = 481,074.55 Y = 817,503.47 Position and elevation by USGS in 1965. A 9- by 9-foot square white panel centered over station mark. There are two 3- by 12-foot wings for identification. R-18 Panel USOS Horizontal position and elevation same as station mark. R1-18 USOS Located about 0.25 mi E. of station R-18, in dry lake bed; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over No horizontal position Rod Elev. 1141.70 Panel Elev. 1141.4 Located about 0.5 mi E. of station R-18; station mark is 3/2-in, reinforcing rod projecting 0.2 ft; 9- by 9-foo square white panel centered over station mark. R1-18 No horizontal position Rod Elev. 1143.96 Panel Elev. 1143.8 Located about 0.75 mi E. of station R-10; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark. R3/4-18 No horizontal position Rod Elev. 1145.69 Panel elev. 1145.4 T. 2 S., R. 4 E., near NE. corner of sec. 20.
To reach from junction of Williams Field Road and
Maricopa Highway, drive S. on Maricopa Highway for
3.95 mi to trail E., just S. of pole No. 467, turn left
and go E. for 0.35 mi to cross trail, turn right and go
SE. for 0.1 mi to alkali clearing and dim trail E.,
turn left and go E. for 0.55 mi to large alkaline
clearing and station site. Station is located about
275 ft W. of G.I.O. section corner pipe; in top of
concrete post projecting 0.1 ft; Corps of Engineers
disk stamped "BM S-18 1948" S-18 X = 486,221.98 Y = 817,775.81 Corizontal position by USGS in 1965. 1146.80 A 9- by 9-foot square white panel centered over station mark. There are two 3- by 12-foot wing panels for identification. 5-18 Panel usos Same horizontal position as station mark 1146.7 T. 2 S., R. 4 E., near SW. corner of sec. 15.
To reach from junction of Williams Field Road and
Maricopa Highway, drive S. on Maricopa Highway for 1.8
thence turn SE. on track rd. which follows the surveyed
route of proposed Interstate Highway 10, and go 3.0 ml
mi to station site on right. Station mark is 100 ft W.
of track rd.; about 1000 ft S. of USCASS BM "E 414 1962
about 400 ft N. of G.L.O. section corner pipe; in alkali
clearing; in top of concrete post projecting 0.5 ft;
Corps of Engineers disk stamped "BM T-18 1948" T-18 X = 491,875.46 Y = 818,246.63 Horizontal position by USGS in 1965. 1155.3

A 6- by 6-foot square white panel centered over station mark. There are two 3- by 12-foot wing panels for identification.

Same horizontal position as station mark 1154.8

STATION DESCRIPTION ELEVATION PLANE COORDINATES (feet) T. 2 S., R. 4 E., about 0.1 mi N. of SW. corner of sec. 14. Station is located on reservation of Goodyear Air Force Auxilary Airfield. (Permission to enter can be obtained at Williams Air Force Base). To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87 for 4.0 mi, turn right on Rittenhouse Road and go W. for 3.0 mi to airfield main gate (which may be locked), from main gate, go due W. for 1.75 mi to main runway, turn right and follow runway NW. for 0.3 mi to station site on left. Station mark is about 390 ft SW. of SW. edge of runway; 15 ft NE. of centerline of old rd.; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-18 1948" 1164.61 X = 497, 126.01Y = 818,147.51U-18 A 6- by 6-foot square white panel centered over station Panel USGS Horizontal position same as station mark, 1164.3 T. 2 S., R. 5 E., near NE. corner of sec. 19.
To reach from intersection of Cleveland Street and
Arizona Avenue in Chandler, drive S. on State Highway 87
for 4.0 mi to intersection, turn right and ge W. for 2.0
mi to cross roads and station site. Station mark is
located 15.5 ft S. of centerline of E.-W. rd.; 9 ft W. of
centerline of N.-S. rd.; 4 ft E. of centerline of
irrigation ditch; 1.6 ft NW. of fence corner; in top of
concrete post projecting 0.2 ft; Corps of Engineera disk
stamped "TT X-18 RESET AMS 1952" (Not visited by USGS
in 1965) X-18 Horizontal position not available PP X-18 Located 42 ft NE. of station on E. side of N.-S. rd.;
AMS centerline of E.-W. ditch at headwall. x = 512,674.35Y = 817.406.08TIER 18t (USGS Leveling, 1965) Located about 0.25 ml S. of station Q-18; on W. edge of powerline; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-feet square white panel centered over station mark. 0-182 Rod Elev. 1127.86 Panel Elev. 1127.7 막-18분 Located about 0.25 mi E. and 0.25 mi S. of station Q-10; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. Rod Elev. 1131.74 Panel Elev. 1131.5 Located about 0.5 mi E. and 0.25 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. Q출-18급 Rod Elev. 1133.58 Panel Elev. 1133.4

Q3/4-182 Located about 0.75 mi E. and 0.25 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1135.15 Panel Elev. 1134.9

1193.6

1192.6

Located about 0.25 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark. R-18#

Rod Elev. 1138.96 Panel Elev. 1138.7

Located about 0.25 mi E. and 0.25 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; at center of 6- by 6-foot square white panel. R1-181

Rod Elev. 1140.81 Panel Elev. 1140.5

STATION DESCRIPTION
PLANE COORDINATES

Ri-182

ELEVATION

Located about 0.5 mi E. and 0.25 mi S. of station R-18; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel is centered over station mark.

Hub Elev. 1143.35 Panel Elev. 1143.2

R3/4-18t Located about 0.75 mi E. and 0.25 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1146.41 Panel Elev. 1146.2

Location about 0.25 mi S. of station S-10; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. 5-182

Rod Elev. 1147.02 Panel Elev. 1146.8

TIER 182

(USGS Leveling, 1965)

Located about 0.5 mi S. of station P-18; about 100 ft N. of edge of cultivated field; station mark is 2- by 2-in. wooden hub projecting 0.3 ft; 9- by 9-font square white panel is centered over station mark. P-181

Hub Elev. 1122.47 Panel Elev. 1122.2

Located about 0.5 mi E. and 0.5 ml S. of station F-18; T. 2 S., R. 3 E., near center of sec. 24; just N. of edge of heavy brush; station mark is 3/8-in. reinforcing rod projecting 0.1 ft; 9- by 9-foot square white panel is centered over station mark.

Rod Elev. 1121.38 Panel Elev. 1121.3

Located about 0.5 ml S. of station Q-18; at 1/4 corresst by powerline survey; on W. side of powerline; station mark is 1/2-in. steel rod flush with ground; 9- by 9-foot square white panel is centered over station mark. 0-184

Rod Elev. 1128.83 Panel Elev. 1128.8

Located about 0.25 mi E. and 0.5 mi S. of station Q-18; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. Qt-181

Hub Elev. 1130.21 Panel Elev. 1130.0

Located about 0.5 mi E. and 0.5 mi S. of station Q-18; T. 2 S., R. 4 E., near center of sec. 19; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel is centered over station mark Q1-181

Rod Elev. 1132.59 Panel Elev. 1132.4

Q3/4-18 Located about 0.75 mi E. and 0.5 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark.

Rod Elev. 1135.39 Panel Elev. 1135.1

R-18 Located about 0.5 mi S. of station R-18; station mars is G.L.O. 1/4 cor. pipe common to sections 19 and 20; pipe projects 0.2 ft; 9- by 9-foot square white panel is centered over station mark.

Pipe Elev. 1138.30 Panel Elev. 1138.1

Located about 0.25 mi E. and 0.5 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark.

Rod Elev. 1140.04 Panel Elev. 1139.7

STATION DESCRIPTION PLANE COORDINATES (feet)

T. 2 S., R. 4 E.; at center of sec. 20; station mark is G.L.O. 1/4 cor. pipe projecting 0.1 ft; 9- by 9-foot square white panel centered over station mark.

Pipe Elev. 1142.44 Panel Elev. 1142.3

R3/4-182 Located about 0.75 mi E. and 0.5 mi S. of station R-1B; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1144.42 Panel Elev. 1144.2

S-18} Located about 0.5 mi S. of station S-18; station mark is G.L.O. 1/4 cor. pipe common to secs. 20 and 21, T. 2 S., R. 4 E., projecting 0.3 ft; 9- by 9-foot square white panel centered over station mark.

Pipe Elev. 1146.81 Panel Elev. 1146.5

TIER 18 3/4

(USGS Leveling, 1965)

Q-18 3/4 Located about 0.75 mi S. of station Q-18; on W. side of powerline; a reset 1/16 cor. by powerline survey; station mark is 3/4-in. pipe flush with ground; 6- by 6-foot square white panel centered over station mark.

Pipe Elev. 1128.63 Panel Elev. 1128.6

Q1-18 3/4 Located 0.25 mi N. of rd. to Lone Butte Ranch and 0.25 mi E. of powerline; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Hub Elev. 1128.95 Panel Elev. 1128.8

Qi-18 3/4 Located about 0.25 mi N. of rd. to Lone Butte Ranch and 0.25 mi W. of Maricopa Highway; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1129.72 Panel Elev. 1129.5

13/4-18 9/4 Located about 0.2 mi N. of junction of Maricopa Highway and rd. to Lone Butte Ranch; about 400 ft W. of hwy.; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1131.05 Panel Elev. 1130.9

1-18 3/4 Located about 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1135.22 Panel Elev. 1134.9

R1-18 3/4 Located about 0.25 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1137.37 Panel Elev. 1137.2

R1-18 3/4 Located about 0.5 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.7 ft; 6- by 6-in. square white panel centered over station mark.

Rod Elev. 1139.78 Panel Elev. 1139.6

B3/4-18 3/4 Located about 0.75 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting D.2 ft; 6- by 6-foot square white panel centered over station mark.

Panel Elev. 1142.77

S-19 3/4 Located about 0.75 mi S. of station S-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1145.43 Panel Elev. 1145.2

	TIER 19				
STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
G±19	T. 2 S., R. 2 E., about 0.2 mi sec. 26. To reach from St. Jo S. on 51st Avenue for 1.3 mi 1. right fork and go 2.9 mi S. to left fork and go E. for 0.95 m thence turn N. and follow W. s crossing, thence cross canal a trail for 0.25 mi to large cle follow rd. E. for 0.55 mi to p	hns Indian School, drive o rd. fork, thence take rd. fork, thence take i to canal and water tank, ide of canal to canal must a rd. E., thence	Q-19	T. 2 S., R. 4 E., near NW. cor To reach from Southern Pacific Maricopa, drive N. along hwy. to rd. left to Lone Butte Ranc W. for 0.6 mi; about 0.1 mi E. rd.; at center of black rock, poat; Corps of Engineers disk "TR Q-19 1960 ARMY NAP SERVICE	Railroad crossing in toward Phoenix for 13.3 mi th, thence turn left and go of powerline; 250 ft S. of manel: in top of concrete
	thence continue E. on trail fo	r 0.5 mi to dim trail N.		x = 476,685.41 $Y = 812,326$	5.49 1133.84
X120 II.	and station site; at triangle SE. of westernmost tip of tria easternmost tip of triangle; i projecting 0.2 ft; Corps of En "G-19 1948"	ngle and 43 ft SW. of	Q-19 Panel AMS	A black rock cross-target pane mark. (8- by 8-foot square ce in with white plastic paneling this white square also centere	enter of target was filled material by USGS in 1965,
20,000	X = 434,195.86 Y = 811,252	.90 1050.6		Same horizontal position as st	ation mark 1133.6
G-19 Panel USGS	A 12- by 12-foot square black over station mark.	tar-paper panel centered	Q1-19 USGS	About 50 ft S. of graded rd.; 0.3 ft at center of 6- by 6-fo	
5505	Same horizontal position as st	ation mark 1050.4	0000	man full built a	Rod Elev. 1134.24 Panel Elev. 1133.9
J=19	T. 2 S., R. 3 E., near NW. cor To reach from post office at L black top rd. for 6.5 mi to rd fork and follow main rd. SE. f	aveen, drive S. along . fork, thence take left	Q1-19 USGS	About 100 ft S. of graded rd.; 0.2 ft at center of 9- by 9-fc	3/8-in. rod projecting
	thence turn right and then left paralleling main rd. for 0.25 turn right and follow trail SW intersection and station site:	t and follow trail mi to croas trail, thence . for 0.15 mi to trail . h4 ft SW. of trail		Mile and an analysis of the second	Rod Elev. 1135.34 Panel Elev. 1135.1
	intersection; 2 ft SE. of 4- b in top of concrete post projec Engineers disk stamped "TT J-1	ting 0.4 ft; Corps of 9 1948"	Q3/4-19 USOS	About 100 ft E. of Maricopa Hi projecting 0.3 ft at center of white panel.	
	x = 444,893.16 $y = 811,864$.32 1077.0		The same of the sa	Rod Elev. 1136.84
J-19 Panel USGS	A 12- by 12-foot square white mark.		W of R-10	Located about 0.25 ml W. of st	Panel Elev. 1136.5
0000	Same horizontal position as st	ation mark 1076.6	USGS	section corner pipe projecting 9- by 9-foot white panel.	
L-19	T. 2 S., R. 3 E., near SW. cor To reach from Lone Butte Ranch canal for 1.2 mi to T-rd. M. a of intersecting centerlines of	, drive W. on S. side of nd station site; 27 ft SE. T-rd. N.; 18 ft S. of	5994	Ellis vota all	Pipe Elev. 1139.79 Panel Elev. 1139.6
	centerline of EW. rd.; 3 ft top of concrete post set 1.0 f Corps of Engineers disk stampe "TR L-19 1960 ARMY MAP SERVICE	t below surface of ground; d	R-19	T. 2 S., R. 4 E., about 0.25 m sec. 29. To reach from juncti and Williams Field Road, drive for 5.0 mi to rd. junction W. left; continue S. for 0.1 mi,	ion of Maricopa Highway c S. on Maricopa Highway and grove of trees on then turn left around tip
L-19 Panel	X = 454,967.83 Y = 812,804 A 12- by 12-foot square white mark.			of trees and go E. across cour site; 3 ft S. of witness post; projecting 0.3 ft; Corps of Er "BM R-19 1948"	in top of concrete post
USGS	Same horizontal position as at	ation mark 1104.2		X = 482,228.97 Y = 812,430 Position and elevation by USG	0.91 1140.53
и-19	T. 2 S., R. 3 E., about 0.15 m	i E. of SW. corner of	R-19	Centered over station mark,	9- by 9-foot square white
	sec. 22. At Lone Butte Ranch; 30 ft N. of EW. rd.; 6 ft N. ditch; 2.3 ft E. of NE. corner top of concrete post projectin Engineers disk stamped "TT M-1	of centerline of EW. of concrete headwall; in	Pane⊥ USGS	panel with two 3- by 12-foot was an end of the same horizontal position as an	
	x = 461,046.10 Y = 812,543		JSGS	Located about 0.25 mi E. of st corner pipe projecting 0.3 ft, square white panel.	
M-19 Panel USGS	Located 151 ft NW. of station 6- by 6-foot black square pane panels for identification.	mark; center of 1, with two white wing		No horizontal position	Pipe Elev. 1140.54 Panel Elev. 1140.2
	X = 460,920.50 Y = 812,626		13/4-19	Located about 0.5 mi E. of ato	ation R-19: 3/8-in. rod
N-19	T. 2 S., R. 3 E., near SW. cor	ner of sec. 23.	ISOS	projecting 0.2 ft at center of white panel.	6 6- by 6-foot square
	To reach from Lone Butte Ranch cattle guard and fence and fie 24 ft N. of N. edge of cattle centerline of rd.; 1.5 ft NE.	ld rd. N. and station site; guard; 15 ft N. of of fence corner post; in		No horizontal position	Rod Elev. 1144.03 Panel Elev. 1143.8
	top of concrete post projectin Engineers disk stamped "TT N-1	g 0.1 ft; Corps of 9 1961 ARMY MAP SERVICE"	#. of S-19	Located about 0.25 mi WSW. of section corner pipe projecting	station S-19; G.L.O.
	X = 465,623.45 Y = 812,509	.69 1116.63	1303	9- by 9-foot square white pand is wired to sec. cor. pipe; pro	el. (3/8-in. reinforcing ro
N-19 Panel AMS	30 ft S. of station mark, cent guard.	er of 9- by 12-foot cattle			Carlot and Carlot Carlot
And	x = 465,620.7 $Y = 812,479$.9 1116.9			W 1975 DESAULTS -
Pi-19 USGS	NW. of T-ditch N.; 3/8-in. rei double stakes projecting C.1 f panel centered over mark.	nforcing rod between t; 9- by 9-foot white	3-19	sec. 21. To reach from S. P. drive N. on hwy. to Phoenix f. crossing, thence turn right authence leave rd., turn left and	RR. crossing at Maricopa, or 12.6 mi to track rd+ nd go easterly for 1.5 mi, d go northerly across
	No horizontal position	Rod Elev. 1131.21 Panel Elev. 1131.1		country 0.6 mi to large clear, site; in center of black and concrete post projecting 0.4 stamped "TR 5-19 1948"	ing, panel, and station white panel; in top of
		in 18-to reinion		x = 487,399.07 Y = 812,76	8.38 1147-21
	PALI , Voca pap 1		S-19	Center of black and white cro	ss-target panel-
			Panel AMS	Same horizontal position as s	tation mark 1146.8

Pipe Elev. 1137.80 Panel Elev. 1137.5

DESCRIPTION
PLANE COORDINATES ELEVATION STATION (feet) TIER 19% (First Aug.) ELEVATION STATION DESCRIPTION PLANE COORDINATES (feet) T. 2 S., R. 4 E., about 0.1 mi E. of SW. corner of sec. 22. To reach from junction of Maricopa Highway and Williams Field Road, drive S. on hwy. for 5.65 mi to E.-W. trail, thence turn left and go E. for 1.2 mi to cross trail, thence continue straight ahead, E., for 1.05 mi to cross trail, thence turn left and go NE. for 0.75 mi to clear alkali flat and station site; 121 ft N. of large clump of brush; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "EM T-19 1948" (USGS Leveling, 1965) T-19 Q-19¹ A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel; 40 ft E. of powerline. Rod Elev. 1135.97 Panel Elev. 1135.7 A G.L.O. 1/16 cor. iron pipe projecting 0.1 ft, in center of 5- by 6-foot square white panel. Q=19분 x = 492,465.70 y = 812,681.07 Position by USGS in 1965. Pipe Elev. 1134.78 Panel Elev. 1134.7 Centered over station mark, 6- by 6-foot square white panel, with two 3- by 12-foot wing panels for identification. T-19 Pane 1 USGS A G.L.O. 1/16 cor. iron pipe projecting O.8 ft, in center of 6- by 6-foot square white panel. Q1-191 1155.3 Same horizontal position as station mark Pipe Elev. 1136.87 Panel Elev. 1136.1 T. 2 S., R. & E., near SE. corner of sec. 22.
To reach from junction of Maritopa Highway and Williams Field Road, drive S. on Maritopa Highway for 5.65 ml to E.-W. trail, thence turn left and go E. for 1.2 ml to cross trail, continue E. for 1.05 ml to cross trail, continue E. for 1.45 ml to cross trail, thence turn left and go N. for 0.15 ml to trail forks and station site; in apex of trail fork; 7 ft E. of N.-S. trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "IT U-19 1948" U-19 A G.L.O. 1/16 cor. iron pipe projecting 0.3 ft, in center of 6- by 6-foot square white panel. Q3/4-19t Pipe Elev. 1137.37 Panel Elev. 1137.1 R-194 A 3/8-in. rod projecting 0.4 ft; in center of 6- by 6-foot square white panel. X = 497,013.39 Y = 812,502.161164.80 Rod Elev. 1141.65 Panel Elev. 1141.3 Centered over station mark, 12- by 12-foot square white U-19 Panel panel. USGS Same horizontal position as station mark 1164.4 A 3/8-in. rod projecting 0.4 ft, in center of 6- by 6-foot square white panel. Rt-19t T. 2 S., R. 4 E., near NE. corner of sec. 25. To reac from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87 for 5.0 mi to crossroads, thence turn right and go W. for 3.0 mi to Price Road and station site; 11.6 ft W. of centerline of Price Road; 7.5 ft N. of extended centerline of rd. E.; in top of concrete post flush wit ground; Corps of Engineers disk stamped "TT W-19 1948 RESET AMS 1956" W-19 Rod Elev. 1142.66 Panel Elev. 1142.3 A 3/8-in. rod projecting 0.4 ft, in center of 6- by 6-foot square white panel. R1-191 Rod Elev. 1141.48 Panel Elev. 1141.1 1183.67 X = 507,377.33 Y = 812,006.96A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. W-19 Centered over station mark, 12- by 12-foot square white R3/4-19& Panel Rod Elev. 1144.79 Panel Elev. 1144.5 Same horizontal position and elevation as station mark. T. 2 S., R. 5 E., near NE. corner of sec. 30.
To reach from intersection of Cleveland Street and
Arizona Avenue in Chandler, drive S. on State Highway
87-93, for 5.0 mi to cross road, thence turn right and
go W. for 2.0 mi to cross road and station site; 9 ft
W. of centerline of N.-S. rd.; 13 ft S. of E.-W. rd.;
2.5 ft NW. of N. end of concrete culvert; in top of
concrete post projecting 0.1 ft; Corps of Engineers
disk stamped "TT X-9 1948 RESET AMS 1956" (Not
visited by USGS in 1965) X-19 A 3/8-in. rod projecting 0.3 ft, in center of 6-by 6-foot square white panel. S-19t Rod Elev. 1148.04 Panel Elev. 1147.7 TIER 192 (USGS Leveling, 1965) X = 512,628.04 Y = 812,095.82 1201.4 NOTE: Elevation appears to be ten ft high according to elevation published on map. P-19 A 3/8-in. rod projecting 0.3 ft, in center of 9- by 9-foot square white panel. PP X-19 AMS On W. side of N.-S. rd.; centerline of E.-W. ditch at headwall. Rod Elev. 1126.68 Panel Elev. 1126.4 X = 512,630.50 Y = 812,089.351201.4 A 3/8-in. rod projecting 0.3 ft, in center of 9- by 9-foot square white panel. T. 2 S., R. 5 E., near SW. corner of sec. 21.
To reach from intersection of Cleveland Street and
Arizona Avenue in Chandler, drive S. on State Highway
87-93 for 5.0 m it oc crossroads, thence turn right and
go W. for 1.0 mi to cross road and station site; 25 ft
N. of centerline of E.-W. rd.; 15 ft E. of centerline
of N.-S. rd; cemented in top of S. end of concrate
headwall, 1 ft higher than rd.; Corps of Engineers
disk stamped "TT Y-19 1948" Y-19 Rod Elev. 1129.06 Panel Elev. 1128.8 Q-19 A 3/8-in. rod projecting 0.3 ft, in center of 9- by 9-foot square white panel, 100 ft E. of powerline. Rod Elev. 1135.24 Panel Elev. 1134.9 X = 518,046.37 Y = 812,223.84 1201.1 Located 125 ft SW. of station mark, center of 12- by 12-foot square black panel. Y-19 Panel USGS Q1-191 A G.L.O. 1/16 cor. iron pipe projecting 0.4 ft, in center of 6- by 6-foot square white panel. x = 517,949.76 Y = 812,144.211200.5 Pipe Elev. 1138.53 Panel Elev. 1138.1 At center of sec. 30; G.L.O. Ct cor. iron pipe projecting 0.3 ft in center of 9- by 9-foot square white panel; 190 ft W. of Maricopa Highway opposite pole No. 406. Q1-191

STATION DESCRIPTION PLANE COORDINATES ELEVATION (feet) STATION DESCRIPTION ELEVATION (feet) PLANE COORDINATES A G.L.O. 1/16 cor. iron pipe projecting 1.1 ft in center of 6- by 6-foot square white panel. R3/4-19 3/4 In lake bed; 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. Q3/4-19 Rod Elev. 1148.04 Panel Elev. 1147.7 Pipe Elev. 1139.66 Panel Elev. 1138.6 270 ft N. of dirt rd.; G.L.O. 1/4 cor. iron pipe projecting 0.4 ft, in center of 9- by 9-foot square white panel. 3-19 3/4 A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. R-19 Rod Elev. 1148.65 Panel Elev. 1148.4 Pipe Elev. 1141.01 Panel Elev. 1140.6 TIER 20 A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. T. 2 S., R. 3 E., near NW. corner of sec. 32.
To reach from post office at Laveen, proceed S. along black top rd. for 6.5 mi to rd. fork, thence take left fork and go SE. along main rd. for 6.0 mi to right turn in rd., thence turn right and follow main rd. S. for 0.55 mi to left turn in rd. and station site. Located 65 ft SW. of centerline of main rd. and about 250 ft W. of drain crossing; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT K-20 1948" R1-191 K-20 Rod Elev. 1144.62 Panel Elev. 1144.3 At center of sec. 29; 33 ft 5. of rd.; G.L.O. Ct cor. iron pipe projecting 0.4 ft, in center of 9- by 9-foot square white panel. Ri-19i Y = B07,363.44 x = 450,088.02Pipe Elev. 1148.47 Panel Elev. 1148.1 260 ft SE. of station mark; centerline of NE.-SW. drain at centerline of NW.-SE. trail. P K-20 200 ft S. and 425 ft E. of track rd. intersection and AMS triangulation station COMFER; G.L.O. 1/16 cor. iron pipe projecting 1.3 ft; in center of 6- by 6-foot square white panel. R3/4-19 X = 450,223.68 Y = 807,141.801079.9 T. 2 S., R. 3 E., near SE. corner of sec. 29.
To reach from junction of Maricopa Highway and Williams
Field Road, drive S. on Maricopa Highway for 6.2 ml to
black top rd. W., thence turn right and go W. for 4.5 ml
to station on right. Located 80 ft N. of centerline of
rd.; in top of concrete post projecting 0.3 ft; USC&GS
standard disk stamped "R 273 1948" 20 Pipe Elev. 1148.19 Panel Elev. 1146.9 CAGS BM 1-273) 320 ft S. of track rd.; 3/8-in. rod projecting 0.3 ft, in center of 9- by 9-foot square white panel. 8-19 X = 454,657.01 Y = 807,354.72 Position by USGS in 1965. Rod Elev. 1145.86 Panel Elev. 1145.6 1094.33 -20 Centered over station mark, 6- by 6-foot square white anel 15GS TIER 19 3/4 1094.0 (USGS Leveling, 1965) Same horizontal position as station mark T. 2 S., R. 3 E., near SW. corner of sec. 27.
To reach from junction of Maricopa Highway and Williams
Field Road, drive S. on Maricopa Highway for 6.2 mi to
black top rd. W., thence turn right and go W. for 3.4
mi to trail N. and station site. Located 40 ft N. of
centerline of main rd.; in triangle formed by trails; in
top of concrete post projecting 0.3 ft; Corps of Engineers
disk stamped "TT M-20 1948" Q-19 3/4 66 ft SW. of powerline crossing; 1/16 cor. set by powerline survey; 3/4-in. reinforcing rod projecting 0.1 ft, in center of 6- by 6-foot square white panel. Rod Elev. 1134.68 Panel Elev. 1134.6 Qt-19 3/4 A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. x = 460,890.30 Y = 807,311.421103.80 N-20 Centered over station mark, 6- by 6-foot square white Rod Elev. 1136.20 Panel Elev. 1135.9 anel. JOGS Same horizontal position as station mark Q1=19 3/4 36 ft E. of Naricopa Highway; 25 ft W. of G. L.O. 1/16 cor. pipe; 7 ft N. of pole No. 398; 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. Located about 700 ft ESE. of USCAGS BM "S 273 1948"; about 300 ft SE. of rd. junction S.; about 150 ft S. of black top rd.; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "N 20 1948"; A USGS 6- by 6-foot white panel centered over station. N-20 Rod Elev. 1137.85 Panel Elev. 1137.6 No horizontal position Station mark Elev. 1114.80 Panel Elev. 1114.6 Q3/4-19 3/4 A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. T. 2 S., R. 3 E., near SE. corner of sec. 27.
To reach from junction of Maricopa Highway and Williams
Field Road, drive S. on Maricopa Highway for 5.2 mi to
black top rd. W., thence turn right and go W. for 2.5 mi
to reverse rd. fork and station site on right. Station
mark is 78 ft N. of centerline of rd.; about 700 ft WNW.
of AMS station "N-20"; in top of concrete post projecting
0.4 ft; USCAGS standard disk stamped "S 273 1948" S-273 (C&GS BM) Rod Elev. 1142.58 Panel Elev. 1142.3 R-19 3/4 A G.L.O. 1/16 cor. iron pipe projecting 1.1 ft, in center of 6- by 6-foot square white panel. Pipe Elev. 1142.53 Panel Elev. 1141.4 X = 464,622.00 Y = 807,339.24 Position by USGS in 1965. About 185 ft SE. of 1/16 cor.; 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. Rt-19 3/4 S-273 Panel USOS Centered over station mark, 6- by 6-foot square white Rod Elev. 1143.36 Panel Elev. 1143.1 Same horizontal position as station mark 1115.7 A G.L.O. 1/16 cor. iron pipe projecting 0.3 ft, in center of 6- by 6-foot square white panel. R1-19 3/4

> Rod Elev. 1146.56 Panel Elev. 1146.3

DESCRIPTION
PLANE COORDINATES STATION ELEVATION STATION DESCRIPTION
FLAME COORDINATES ELEVATION (feet) (feet) T. 2 S., R. 3 E., near NE. corner of sec. 35.
To reach from junction of Maricopa Highway and
Williams Field Road, drive S. on Maricopa Highway for
6.2 mi to black top rd. W., thence turn right and go
1.5 mi to station site on left; about 140 ft S. of rd.;
in center of black and white painted panel; in top
of concrete post projecting 0.5 ft; Corps of Engineers
disk stamped "TT P-20 1948 RESET AMS 1955" 60 ft s. of surveyed rd.R.O.W.; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel. R3/4-20 P-20 Rod Elev. 1147.85 Panel Elev. 1147.6 T. 2 S., R. 4 E., about O.1 mi E. of SW. corner of sec. 28. To reach from junction of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 6.15 mi to powerline crossing, thence turn left on powerline rd. for about 300 ft, thence turn left again and go E. on surveyed rd. route for 1.5 mi to station site on N. side of E.-W. rd.; in top concrete post projecting 0.4 ft; Corps of Engineers disk stamped "EM S-20 1948" 5-20 X = 470,638.32 Y = 807,118.371123.34 Centered over station mark, black and white painted P-20 Panel AMS cross-target panel. Same horizontal position as station mark 1122.8 90 ft S. of black top rd., 3/8-in. rod projecting 0.3 ft, in center of 9- by 9-foot square white panel. x = 487,096.93 Y = 807,264.91 Horizontal position by USGS in 1965. P1-20 USGS 1152.07 Rod Elev. 1128.55 Panel Elev. 1128.2 W. of 8-20 Located about 580 ft WSW. of station 5-20; 80 ft S.
Panel of sec. cor. pipe in surveyed rd. R.O.W.; center of
USGS 9- by 9-foot square white panel, with two 3- by 12-foot
wing panels for identification. About 50 ft N. of black top rd; 75 ft W. of powerline; 3/8-in. rod projecting 0.3 ft, in center of 9- by 9-foot square white panel. W. of Q-20 USOS x = 486,525.05Y = 807, 165.351151.3 Rod Elev. 1135.47 Panel Elev. 1135.2 T. 2 S., R. 4 E., near SW. corner of sec. 27.
To reach from junction of Maricopa Highway and
Williams Field Road, drive S. on Maricopa Highway for
6.15 mi to powerline crossing, thense turn left on
powerline rd. for about 300 ft, thence turn left again
and go E. on surveyed rd. route for 2.5 mi to cross trail,
thence turn left and go N. about 0.1 mi to station site;
25 ft W. of trai; in top of concrete post projecting
0.3 ft; Corps of Engineers disk stamped "EM T-20 1948" T-20 T. 2 S., R. 4 E., near NW. corner of sec. 31.
To reach from junction of Maricopa Highway and Williams
Pield Road, drive S. on Maricopa Highway for 6.2 mi
to black top rd. W., thence turn right and go 0.15 mi
to lone tree on left and station site. Located 78 ft
S. of rd.; 7 ft E. of E. edge of mesquite tree; in top
of concrete post projecting 0.4 ft; Corps of Engineers
disk stamped "EM Q-20 1948" Q-20 x = 492,216.59 Y = 807,758.81 Horizontal position by USGS in 1965. X = 477,391.85 Y = 807,184.68Position and elevation by USGS in 1965. 1136,90 Centered over station mark; 6- by 6-foot square white panel, with two 3- by 12-foot wing panels for identification. T-20 Panel USGS Centered over station mark, 6- by 6-foot square white panel. Q-20 Panel USGS Same horizontal position as station mark Same horizontal position as station mark 1136.5 T. 2 S., R. 4 E., near NW. corner of sec. 35. To reach from junction of Maricopa Highway and Williams Pield Road, drive S. on Maricopa Highway for 5.65 mi to E.-W. trail, thence turn left and go E. for 1.2 mi to cross trails, thence continue straight ahead for 1.05 mi to cross trail, thence continue E. for 1.45 mi to cross trail, thence turn right and go S. for 1.05 mi to group of buck brush and station site; 38 ft W. of NW.-SE. trail; in top of concrete pest projecting 0.8 ft; Corps of Engineers disk stamped "BM U-20 1948" Location 50 ft W. of power pole No. 21-6; 50 ft S. of G.L.O. 1/4 cor. pipe; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. 05-50 0503 Rod Elev. 1138.71 Panel Elev. 1138.4 03/4-20 A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel. Y = 806,546.66 บรดร 1165.32 X = 498.407.07Centered over station mark: 6- by 6-foot square white Rod Elev. 1139.95 Panel Elev. 1139.6 11-20 Panel USGS Same horizontal position as station mark NE OF R-20 In center of surveyed rd. R.O.W.; G.L.O. section USGS corner pipe (rusted off). T. 2 S., R. 5 E., near NE. corner of sec. 32.
To reach from intersection of Cleveland Street and
Arizona Avenue, in Chandler, drive S. on State Highway 87
for 6.0 mi to cross road, thence turn right and go 1.0 mi
to cross road and station site; 63 ft W. of centerline of
N.-S. rd.; 21 ft S. of centerline of E.-W. rd.; in top of
concrete abutment level with rd.; Corps of Engineers disk
stamped "TT Y-20 1948" (Not visited by USOS in 1965) Y-20 X - 481,252.75 Y = 807 Position by USGS in 1965. Y = 807,246.20 (ground) 1141.6 NE OF R-20 About 80 ft N. and 10 ft E. of section corner; 3/8-in.

Panel rod projecting 0.3 ft; in center of 9- by 9-foot square white panel, with two 3- by 12-foot wing panels for identification. Y = 807,322.15 Rod Elev. 1142.23 Panel Elev. 1141.9 X = 481,265.28X = 517,941.74Y = 806,901.94 At S. edge of E.-W. rd.; centerline of N.-S. ditch at PP Y-20 T. 2 S., R. 4 E.; about 0.1 mi SW. of NE. corner of sec. 31. To reach from junction of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 6.15 mi to powerline crossing, thence turn left and follow powerline rd. SE. for 0.55 mi to point midway between power poles No. 221 and No. 223, thence turn left and go N. across country to two large mesquite trees and station site; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "BM R-20 1948" **EMA** headwall. R-20 1201.9 x = 517,978.86Y = 806,912.27TIER 201 (USGS Leveling, 1965) 50 ft W. of powerline; G.L.O. 1/16 cor. iron pipe projecting 1.2 ft; in center of 6- by 6-foot square white panel. g-201 No horizontal position Not paneled Pipe Elev. 1136.86 Panel Elev. 1135.7 80 ft S. of surveyed rd. R.O.W.; 3/8-in. Fod projecting 0.3 ft; in center of 6- by 6-foot square white panel. R1-20 USGS Rod Elev. 1144.27 Panel Elev. 1144.0 Q1-20-A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot white panel. Rod Elev. 1139.28 Panel Elev. 1139.0

40 ft S. of surveyed rd. R.O.W.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.

Rod Elev. 1146.24 Panel Elev. 1145.9

USGS

	STATION	DESCRIPTION ELEVATION (feet)	STATION DESCRIPTION ELEVATION PLANE COORDINATES (feet)
	67-507	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Rt-20} About 320 ft 8. of powerline; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot aquare white panel.
		Rod Elev. 1138.82 Panel Elev. 1138.5	Rod Elev. 1143.39 Panel Elev. 1143.1
	Q3/4-20t	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R2-202 About 350 ft N. of powerline pole No. 22-8; in center of sec. 32; G.L.O. GL/4 cor. pipe projecting 1.0 ft; in center of 9- by 9-foot square white panel.
		Rod Elev. 1140.98 Panel Elev. 1180.7	Pipe Elev. 1147.18 Panel Elev. 1146.2
	R-201	130 ft N. of power pole 22-3; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R3/4-20 27 ft E. of 1/16 cor. iron pipe; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
		Rod Elev. 1142-04 Panel Elev. 1141.7	Rod Elev. 1147.93 Panel Elev. 1147.6
	8f-50f	9 ft S. of 1/16 cor. iron pipe; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	5-20 16 ft N. of dim rd.; G.L.O. 1/4 cor. iron pipe projecting 1.2 ft; in center of 9- by 9-foot square
		Rod Elev. 1144.59 Panel Elev. 1144.3	white panel. Pipe Elev. 1151.09
	R1-201	240 ft SE. of 1/16 cor. iron pipe, 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square	Panel Elev. 1149.9
		white panel. Rod Elev. 1147.56 Panel Elev. 1147.3	TIER 20 3/4 (USGS Leveling, 1965)
	R3/4-20±	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Q-20 3/4 On powerline right-of-way; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
		Rod Elev. 1148.67 Panel Elev. 1148.4	Rod Elev. 1131.07 Panel Elev. 1130.8
	5-20 1	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Q1-20 3/4 About 300 ft E. of Maricopa Highway; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square
		Rod Elev. 1149.06 Panel Elev. 1148.8	white panel. Rod Elev. 1133.41 Panel Elev. 1133.1
į		TIER 20} (USGS Leveling, 1965)	Q=20 3/4 5 ft W. of 1/16 cor. iron pipe (rusted off); 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	P-20}	A G.L.O. 1/4 cor. iron pipe projecting 0.7 ft; in center of 9- by 9-foot square white panel.	Rod Elev. 1136.30 Panel Elev. 1136.0
		Pipe Elev. 1122.77 Panel Elev. 1122.1	Q3/4-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	P3-201	At center of sec. 36; G.L.O. Ch cor. iron pipe projecting 0.7 ft; in center of 9- by 9-feet square	Rod Elev. 1139.67 Panel Elev. 1139.4
		white panel. Pipe Elev. 1127.46 Panel Slev. 1126.8	R-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	Q-20}	About 65 ft W. of powerline; 3/8-in. rod projecting	Rod Elev. 1141.67 Panel Elev. 1141.4
		O.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1130.96 Panel Elev. 1130.7	Rt-20 3/4 54 ft E. of rd.; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	01-204	About 100 ft E. of Maricopa Highway; 3/8-in. rod	Rod Elev. 1143.17 Panel Elev. 1142.9
		projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R½-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
		Rod Elev. 1139.51 Panel Elev. 1139.2	Rod Elev. 1144.75 Panel Elev. 1144.5
	₫ ² =50}	At center of sec. 31; G.L.O. $C_{\rm b}^1$ cor. iron pipe projecting 0.3 ft; in center of 9- by 9-foot square white panel.	R3/4-20 3/4 About 175 ft W. of power pole No. 23-2; G.L.O. 1/16 cor. iron pipe projecting 0.5 ft; in center of 6- by 6-foot square white panel.
		Pipe Elev. 1139.46 Panel Elev. 1139.2	Pipe Elev. 1147.55 Panel Elev. 1147.1
	Q3/4-20}	7 ft SW. of 1/16 cor. (rusted off) iron pipe; 3/8-in. rod projecting 0.5 ft; in center of 6- by 6-foot square white panel.	S-20 3/4 About 500 ft N. of power pole No. 23-4; G.L.O. 1/16 cor. iron pipe projecting 0.5 ft; in center of 6- by 6-foot square white panel.
		Rod Elev. 1142.25 Panel Elev. 1141.8	Pipe Elev. 1150.51 Panel Elev. 1150.0
	R-20½	A 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	
		Post F1-1 11/12 60	

Rod Elev. 1142.69 Panel Elev. 1142.4

STATION	DESCRIPTION	ELEVATION THE	STATION	DESCRIPTION	ELEVATION	
	PLANE COORDINATES	(feet)	(200)	. PLANE COORDINATES	(feet)	
G-21	TIER 21 T. 2 S., R. 2 E., near SW. corner of sec. 35 To reach from post office at Laveen, drive S black top rd. for 6.05 mi to end of pavement continue on graveled rd. for 0.3 mi to rd. f take right fork and go SSE. for 3.15 mi to b Santa Cruz Wash, thence continue for 0.05 mi thence take left fork for 0.15 mi to trail S	. on , thence orks, thence ridge over to rd. fork, . at wash,	P-21	To reach from SP RR. crossing in Maric on hey. toward Phoenix for 11.05 mit County line, thence turn left on traci 0.1 mi to fork, thence take left fork fork, thence take left fork and go 0.2 trail, thence continue W. on track rd large mesquite tree on S. side of trai left and follow dim tracks SW. for 0.2 bush and station site; at NW. edge of	copa, drive N. o Pinal-Maricopa k rd. and go and go 0.2 mi to 2 mi to cross . for 0.5 mi to 11, thence turn 25 mi to isolated isolated bush;	
	thance turn left on trail and follow about 2 Gruz Wash, thence continue SE. on trail for 150 ft to trail fork at top of bank, thence and go 0.7 mi SE. to Indian cametery, thence SE. on main trail for 0.9 mi to pipeline, the left of row of trees and continue SE. 0.85 misolated clump of trees on right, thence turn trail and go EME. across country for 0.4 misonate and station; in center of black asphalt pane of concrete post projecting 0.4 ft; Corps of disk stamped "TT G-21 1948" (Not visited by	another turn right continue ence stay i to n left off to panel l: in top	P-21 Panel USGS	in top of concrete post projecting 0.5 Engineers disk stamped "BM P-21 1948" X = 471,060.66 Y = 801,706.05 Horizontal position and elevation by 122 ft SW. of station P-21; center of white panel, with two 3- by 12-foot widentification.	1125.53 USGS in 1965. 9- by 9-foot square ing panels for	
	disk stamped "TT G-21 1948" (Not visited by 1965)	USGS in	1 807/50 8790 20	x = 471,053.18 Y = 801,685.05	1124.4	
2	x = 434,290.82 Y = 802,155.73	1060.8	P1-21 USGS	A 3/8-in. rod projecting 0.3 ft; in co	enter of	
G-21 Panel	The center of black asphalt cross-target pan			No horizontal position established. Ro	od Elev. 1128.33	
AMS	Same horizontal position as station mark	1050.4		Panel September 2 and the Washing Panel	el Elev. 1128.0	
J-21	T. 3 S., R. 3 E., about 0.2 mi E. of NW. corsec. 6. To reach from St. Johns Indian Scho S. on 51st Avenue for 1.3 mi to rd. fork, th left fork and go 2.4 mi to powerline crossin turn right on powerline rd. and go SE. for 4 cross trail, thence turn left and go about 4 panel and station. In center of black and w panel; in top of concrete post projecting 0.0 fingineers disk stamped "J-21 1945" (Not	ol, drive ence take g, thence .0 mi to 00 ft to hite	5-51	T. 3 S., R. 4 E., about 650 ft E. of sec. 6. To reach from junction of Marand Williams Field Road, drive S. on for 7.3 mi to Maricopa-Pinal County 1 site; 36 ft whw. of centerline of hmy concrete post projecting 0.5 ft; Corp. stamped "TT Q-21 1962 ARMY MAP SERVICE."	ricopa Highway Maricopa Highway ine rd. and station .; in top of a of Engineers disk E"	
	of Engineers disk stamped "J-21 1948" (Not USGS in 1965)	visited by		x = 476,668.00 $y = 801,966.10$		
	X = 445,426.52 Y = 801,920.24	1082.8	Q-21 Panel	Centered over station mark; 6- by 6-for panel in center of 12- by 12-foot squ	oot square black are white panel.	
J-21 Panel	The center of black and white cross-target p	anel.	usos	Same horizontal position as station m	ark 1134.4	
AJG	Same horizontal position as station mark	1082.5	Q1-21	54 ft N. of rd.; 45 ft W. of drain; 3.	/8-in. rod projecting	
L-21	T. 2 S., R. 3 E., near SW. corner of sec. 33. To reach from post office in Laveen, go S. on black top rd. for 6.05 mi to end of pavement, thence continue on graveled rd. 0.3 mi to rd. fork, thence take left fork and go SE. on graded rd. for 6.15 mi to where rd. makes band		VSGS	0.3 ft; in center of 6- by 6-foot squ No horizontal position established. R Pan	od Elev. 1135.69	
	to E. (at station K-20), thence turn right of through heavy brush and go 1.35 mi to T- tra lons tree, thence turn right and go S. about to panel and station; 36 ft E. of trail; in black and white panel; in top of concrete po projecting 0.3 ft; Corps of Engineers disk s "L-21 1948" (Not visited by USGS in 1965)	n rd. SE. 11 BW. at 400 ft center of st	03-21 050S	A G.L.O. 1/4 cor. iron pipe projectin of 9- by 9-foot square white panel. No horizontal position established.Pi Pan		
	x = 455,217.32	1097.5	Q3/4-21 USGS	A G.L.O. 1/16 cor. iron pipe projecti of 6- by 6-foot square white panel.	ng 1.0 ft; in center	
L-21	Center of black and white cross-target panel	21		No horizontal position established Pipe Elev. 1139.63		
Panel AMS	Same horizontal position as station mark	1097.2	18.137		el Elev. 1138.6	
M-21	T. 3 S., R. 3 E., near NW. corner of sec. 3. reach from post office at Laveen, drive S. or rd. for 6.4 mi to rd. fork, thence take left follow main rd. for 6.15 mi to bend to E., tright on track rd. and go SE. for 1.75 mi to area at drain, thence turn left and follow d. N. side of drain for 0.6 mi to clearing and sits; in center of small sand clearing; in to concrete post projecting 0.3 ft; Corps of En	n black top fork and hence turn heavy brush is trail on station op of	R-21	T. 2 S., R. 4 E., about 0.1 mi N. of To reach from junction of Maricopa Hi Field Road, drive S. on Maricopa High powerline crossing, thence turn left rd. SE. for 0.75 mi to cross road, th go S. along trail for 0.4 mi to trail left fork SE. for 0.1 mi to trail for fork for 0.05 mi to station site on trail; in top of concrete post projec of Engineers disk stamped "BM R-21 19	ghway and Williams way for 5.15 mi to and follow powerline ence turn right and fork, thence take k, thence take left eft; 18 ft ENE. of	
	disk stamped "M-21 1948" X = 450,304.91	1102.7		X = 481,164.51 Y = 802,479.79 Position by USOS in 1965.	1139.78	
M-21	Horizontal position by USGS in 1965. Centered over station mark: 6- by 6-foot squ	are black	R-21 Panel	Centered over station mark; 9- by 9-f	oot square white	
Panel USGS	panel.		USGS	Same horizontal position as station m	mrk 1139.4	
	Same horizontal position as station mark	1102.4			100 - 17 - 1000	
N-51	T. 2 S., R. 3 E., near SW. corner of sec. 35 reach from SP RR. crossing in Maricopa, drivhey, toward Phoenix for 10.0 mi to crossroad turn left and go 1.6 mi to where rd. bends N	e N. on s, thence	Panel USGS	<pre>About 0.1 mi S. of station R-21; G.L. pipe projecting 0.4 ft; in center of square white panel, with two 3- by 12 S. and E.</pre>	9- by 9-foot	
. 12/0	turn left and go 1.b mi to where rd. bends ; continue N. on rd. for 1.3 mi to panel and right; about 180 ft E. of rd.; in top of co projecting 0.5 ft; Corps of Engineers disk; "TM N-21 1948"	tation on	Little	A STATE OF STREET	el Elev. 1140.1	
	x = 465,668.11 Y = 802,289.50	1115.65	R l -21 USGS	A 3/8-in. rod projecting 0.4 ft; in c 6- by 6-foot square white panel.	enter of	
H-21	Center of black asphalt cross-target panel.			No horizontal position established. R	od Elev. 1141.98	
Panel AMS	Same horizontal position as station mark	1115.2		The state of the s	el Elev. 1141.6	
					A MATERIAL PROPERTY.	

	STATION	DESCRIPTION PLANE COORDI	NATES PARTIES A FEBRUARY	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	BUTTERS E	LEVATION (Feet)	
	R1-21 USG8	18 ft W. of G.L.O. 1/4 cor.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. No horizontal position established. Rod Elev. 1144.48			X-51	T. 2 S., R. 5 E., near SE. corner of reach from junction of State Hi. (7.0 mi S. of Chandler), go S. on O.1 mi, thence turn right and go W	ghways 87 a Highway 93	nd 93 for	
	01.4	no northennal post	Panel E	lev. 1144.2	10000	O.1 mi, thence turn right and go W cross road and station site; 65 ft ll ft N. of centerline of EW. di centerline of NS. ditch; 2 ft S.	of corner	power	
	R3/4-21 USGS	48 ft W. of dim rd projecting 1.5 ft; white panel.	: G.L.O. 1/16 cor. iron in center of 5- by 6-fo	n pipe oot aquare	TWEET STATE	pole; in top of concrete post proj. Corps of Engineers disk stamped "TT Y-21 RESET AMS 1953"	ecting 0.3	ſt;	
				lev. 1147.59 lev. 1146.1		X = 517,992.25 Y = 801,681.59	Sold a television	1201.48	
	1	paragram of centra	TALL WILL BOLL HER THINKS	r Cycli	Y-21 Panel	About 28 ft W. of station Y-21; cer square white panel.	iter of 12-	by 12-100t	
	S-21	reach from junctic	near NW. corner of sec. n of Maricopa Highway as S. on Maricopa Highway i ing, thence turn left as	nd Williams For 6.15 mi	1200 (1) 1000 (1)	x = 517,964.58 Y = 801,683.24	orio bosate o boo lan proposi o	1200.4	
		go SW. across coun in center of black	for 1.9 mi, thence turn try for 0.1 mi to panel; and white panel; in to 3 ft; Corps of Engineers	right and and station. of concrete		TIER 21½ (USGS Leveling, 1965)	brigation (to		
	100	stamped TT S-21 1 X = 486,528.35	948", Y = 801.964.77	1148.37	P-21½	A 3/8-in. rod projecting 0.3 ft; is 9- by 9-foot square white panel.			
	S-21	1 - 1 - 7 Table 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	k and white cross-targe	100		the product of the same	Rod Elev.	1126.30	
	Panel AMS		esition as station mark.			Panel Elev. 1126.0			
	T-21	T. 3 S., R. 4 E.,	E., about 0.15 mi W. of NS. ach from junction of Maricopa	corner of	P½-21½	At center of sec. 1; 12 ft N. of r pipe; 3/8-in. rod projecting 0.3 f 9- by 9-foot square white panel.	t; in cente	L.C. iron or of	
		and Williams Field for 6.15 mi to pow and follow powerli	copa Highway turn left o NS.		The same of the control of the contr	Rod Elev. Panel Elev.			
	No.	fork in alkali fla	the left and go N. for 0.3 the thence take left for tion site on left; in si- trail; in top of concr Corps of Engineers dis	rk and go NW. small alkali	Q-211	80 ft W. of Maricopa Highway; 40 f No. 6; 3/8-in. rod projecting 0.3 9- by 9-foot square white panel.	ft; in cent	er of	
		x = 491,033.66	Y = 802,172.79 on by USOS in 1965.	1157.70			Rod Elev. Panel Elev.	1131.4	
	T-21 Panel	Centered over stat	ion mark; 6- by 6-foot: 3- by 12-foot wings.	square white	6 ² -51 ³	At center of sec. 6; G.L.O. Cl/4 cprojecting 0.4 ft; in center of 9-white panel.			
	USAS	Same horizontal po	osition as station mark	1157.3		o Production other comments of the	Pipe Elev. Panel Elev.		
	U-S1	T. 3 S., R. 4 E., near MW. corner of sec. 2. To reach from junction of State Highways 87 and 93 (7.0 ml S. of Chandler), drive S. on Highway 93 for 0.8 ml to T-rd. W., thence turn right and go W. for 3.0 ml, thence jog S. for 0.2 ml, thence continue W. for 2.0 ml to powerline crossing, thence turn right	37 and 93	R-211	A G.L.O. 1/4 cor. iron pipe projec	70 Th 150			
				of 9- by 9-foot square white panel	Pipe Elev.	1143.73			
		along powerline for 0.3 mi to crossroads, thence turn right and go NE. for 0.8 mi to panel and station;		station;	7 5.	the state of the same of	Panel Elev.	-1143.0	
		concrete post; Con "TR U-21 1948" (of trail; in center of panel; in top of post; Corps of Engineers disk stamped 1948 (Not visited by USGS in 1965)		R2-213	At N. edge of dry lake; 3/8-in rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1146.16			
		x = 498,299.80	Y = 800,710.83	1167.81		Panel Elev. 1145.9			
	U-21 Panel AMS		nd white cross-target party on and elevation same as	3,000	S-211	A G.L.O. 1/4 cor. iron pipe projec of 9- by 9-foot square white panel	ting 0.6 ft	; in center	
	W-21	The state of the state of		775		U. for fill at the tond to it. Theme	Pipe Elev.		
		(/.U m) S. Of Char	near SE. corner of sec. tion of State Highways dler), go S. on Highway	AU TOL OUT MI			Panel Elev.	1172.1	
		NS. rd. and state	n right and go W. for 3 ion site; NW. of T-rd. IS. rd.; at E. edge o	.U m1 to E.; 21 ft W. f NS. ditch:		TIER 22			
			th E.; in top of concret disk stamped "TT W-21		L-22	To reach from SP RR. crossing in M	aricopa, dr	ive N. on	
		x = 507,403.03	Y - 801,513.98	1183.15		hwy. toward Phoenix for 7.0 mi to Pima Butte, thence turn left and g rd. fork, thence take right fork an	o W. for l.	.05 ml to	
	W-21 Panel USGS	Located 57 ft SW. 12- by 12-foot squ	of station W-21; center ware white panel.	of		leading N., thence turn right and : for 0.7 mi to NW. end of dyke, the	follow fain ence go N.	t trail N.	
		x = 507,378.73		1161.8		country to S. bank of Gila River a: S. edge of thick salt cedar; 125 f 54 ft W. of another lone tree; in projecting O.1 ft; Corps of Engine	t E. of lon top of conc	e tree; rete post	
	X-21	T. 2 S., R. 5 E., To reach from junt (7.0 ml S. of Char	near SE. corner of sec. tion of State Highways adler), go S. on Highway and go 2.0 mi W. to T-r	87 and 93 93 for 0.1 mi,		"L-22 1948" X = 455,085.76 Y = 796,572.12		1087.4	
	100000	11 ft W. of center	rline of rd. N.: 3 ft NW	. of fence	L-22	Horizontal position by USGS in 196 Centered over station mark; 6- by	THE PARTY	are white	
			concrete post projectin stamped "TT X-21 RESET		Panel USGS	panel. Same horizontal position as station	n mark.	1087.3	
	1200	X = 512,714.95	Y = 801,581.34	1193.54		The last sales and a sector			
	PP X-21 AMS	on E, side of N	3. rd.; centerline of di rance.	ten E. at		The colors of the section of	ensisted to		
		x = 512,734.57	Y * 801,592.97	1192.7					

DECOMPTION DECOMP					
To Famed from \$7 BM. crossing in Natices, drive f. thence than 12 th and part of the part than 12 th and part of the part than 12 th and part of the p	STATION			DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
Indicates a sint stamped of Color (1985 of Pt) corps of Expenditure of Section (1985) and 1965. X = 465,500.6 y = 797,500.8 of 1965. See horizontal position and purpose of the Section (1985) and the Secti	M-55	To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn left and go 1.75 mi to where rd. begins to bend N., thence leave main rd. and go W. O.1 mi to cross road, thence turn left for O.1 mi to anothe cross road, thence turn right and go W. for 0.9 mi to fork, thence take left fork and go 350 ft to cross road, thence turn left and go S. for 300 ft to cross road, thence turn left and go S. for 300 ft to cross road, and station site; on W. edge of trail;	r neare so	To reach from SP RR. crossing in Maricopa, drive on hwy, toward Phoenix for 9.9 mi to cross road, turn right and go E. for 1.1 mi to rd. S. and st site; 47 ft N. of centerline of main rd.; 20 ft trail; at S. edge of mesquite tree; in top of cc post projecting 0.6 ft; Corps of Engineers disk stamped "BM R-22 1948"	
Month Mont	milet atte	the dog to the first the first with the renter that the little and	B-22	Horizontal position by USGS in	1965.
Same horizontal position as station mark 100.8 ### 100	N new		Panel	white panel. (There are wing	panels NE. and NW.)
Same horizontal position as station mark 1100.8 500	Panel			and the same of the same and same a	SAAJSIICA MARE DAA
The Peach from St Mi. Crossing in Natices, drive N. on her, toward Should for 9,9 and to crose read, when there is the correspond of the	0303	Same horizontal position as station mark 1102.8			
Section site; at H. end of curvey; No. for H. end of the curvey;	N-22	To reach from SP RR. crossing in Maricopa, drive N.		No horizontal position establis	
Contered over station mark; 6- by 6-foot square write Famous Pamous	1.1	station site; at N. end of curve; 42 ft WSW. of centerline of main rd.; 31 ft E. of centerline of NS. secondary rd.; in top of concrete post project 0.3 ft; Corps of Engineers disk stamped TT N-22 194	ing 8"	from SF RR. crossing in Marico, toward Phoenix for 9.9 mi to c: right and go E. for 2.2 mi to: 35 ft N. of centerline of main top of concrete post projecting	pa, drive N. on hwy. ross road, thence turn trail N. and station site; rd.; 7 ft E. of trail; in g 0.4 ft; Corps of
Sease horizontal position as station mark 1120.3 V-273 T. 3 B., B. 3 E., about 0.25 mi W. of SE. corner of sec. 2: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops, sec. 3: To reach from SP RI. crossing in Markeops,		ted to the total and the test of the test			
V-273 CAGS BM				Centered over station mark; 9-	by 9-foot square white
See. 2. To reach from SP RR. crossing in Maricopa, drive N. on hyr. thosel Phoenix for 9.9 in to cross of first N. of centerline of 7.1 in to person site on right; about 0.35 ml W. of station P-22; for ft. N. of centerline of 7.1 in top of concrete post y 273 1080. Y = 796,750.09 No. 469,855.08 Y = 796,750.99 Noricontal position as station mark 1125.1 No. on hyr. toward Phoenix for 9.9 in to person of the more turn left and go W. for 0.6 in to panel and station panel; in top of concrete post projecting 0.4 ft. W. of centerline of main mark; inch mark 1128.2 P-22 Centered over station mark 1128.09 P-24 Centered over station mark 1128.09 P-25 T. 3 S., R. 3 E., mar SW. corner of sec. 1. To reach from SP RR. crossing in Maricopa, drive N. on hyr. toward Phoenix for 9.9 in to cross road, themse turn left and go W. for 0.6 in to panel and station panel; in top of concrete post projecting 0.4 from January 1128.20 P-26 Centered over station mark 1128.09 P-27 T. 3 S., R. 4 E., mear SW. corner of sec. 1. To reach from SP RR. crossing in Maricopa, drive N. on hyr. toward Phoenix for 9.9 in to cross road, themse turn left and go W. for 0.6 in to panel and station panel; in top of concrete post projecting 0.4 from January 1128.20 P-28 Centered over station mark; black and white painted cross-larget panel. No horizontal position as station mark 1128.2 Panel 1128.2 T. 3 S., R. 4 E., near SE. corner of sec. 1. To reach from SP RR. crossing in Maricopa, drive N. on hyr. toward Phoenix for 9.9 in to cross road, themse turn right and go 1.0 in to N. 1.5 ct. of cross-from panel; in top of concrete post projecting 0.4 from the panel 1128.2 panel 1128.2 P-29 Centered over station mark; 10.0 ft. corner of sec. 12. To reach from SP RR. crossing in Maricopa, panel 128.2 panel 1128.2 T. 3 S., R. 4 E., near SE. corner of sec. 1. To reach from SP RR. crossing of the panel 1128.2 panel 1128.2 T. 3 S., R. 4 E., near SE. corner of sec. 1. To reach from SP RR. crossing of the panel 1128.2 panel 1128.2 panel 1128.2 panel 1	V 272		LUTIGI	Character and the Control of Cont	Tio-fert milities
Horizontal position triangulated by AMS in 1962. Variable Centered over station mark; small white cross-target; spanel visite cross-target spanel. No horizontal position as station mark station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite cross-target spanel. No horizontal position as station mark spanel visite spanel visite cross-target spanel. No horizontal position as station mark spanel visite		sec. 2. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn left and go W. for 1.1 mi to stati site on right; about 0.35 mi W. of station P-22; 67 ft N. of centerline of rd; in top of concrete po	on	from SP RR. crossing in Maricopa, drive N toward Phoenix for 9.9 mi to cross road, right and go E. for 3.1 mi to dim NS. t station: 33 ft N. of centerline of main r	pa, drive N. on hwy. ross road, thence turn dim NS. trail and e of main rd.: 6 ft E. of
Same horizontal position as station mark 1125.1 112	Tripping and	Horizontal position triangulated by AMS in 1962.		X = 491,799.48 Y = 796,720	.05 1161.96
Same horizontal position as station mark 1125.1 P-22 T. 3 S., R. 3 E., near SW. corner of sec. 1. To reach from SP RR. crossing in Maritops, drive N. on hwy. toward Phoenix for 9.9 mit to cross road, thence right; about 110 ft N. of SH its panel and station right; about 110 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel and station right; about 10 ft N. of SH its panel station right; about 10 ft N. of SH its panel station right; about 10 ft N. of SH its panel station right; about 10 ft N. of SH its panel station right; about 10 ft N. of SH its panel station road, thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS. rd., thence turn right and go 3.0 mit to NS.	Panel	each wing panel of cross-target is 3- by 12-foot.	T-22	Centered over station mark; 6-	by 6-foot square white
To reach from \$48\$. Crossing in Maricopa, drive M. Cross road, thence on May. toward Phoenix for 9.9 mit to cross road, thence with the content of the conte		Same horizontal position as station mark 1125.1	USGS		DATE OF THE PARTY
Centered over station mark; black and white painted cross-target panel. Same horizontal position as station mark 1128.2 P\$\frac{7}{2} 22 USGS Same horizontal position established. Rod Elev. 1133.03 Panel Elev. 1132.7 Q-22 T. 3 S., R. 3 E., about 0.15 mi W. of Ne. corner of sec. 12. To reach from SP RR. crossing in Maricops, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped TT U-22 1948* TIRR 23 TIRR 23 TIRR 23 T. 3 S., R. 3 E., about 0.15 mi W. of Ne. corner of sec. 12. To reach from SP RR. crossing in Maricops, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped TT U-22 1948* TIRR 23 T. 3 S., R. 3 E., about 0.15 mi W. of Ne. corner of sec. 10. To reach from SP RR. crossing in Maricops, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped TT U-22 1948* TIRR 23 T. 3 S., R. 3 E., about 0.15 mi W. of Ne. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to Junction with trail SE, thence turn left and go Sec. 12. To seach from SP RR. crossing in Maricops, drive N. on hys. toward Phoenix for 9.5 mi to trail junction, thence turn right and go southerly for 0.3 mi to panel and station site; 8H ft W. of trail; in center of black and white panel; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "0-23 1948" (Not visited by USOS in 1965) X = 475,277.78 Y = 796,668.86 1135.6 Rod Elev. 1137.93 Same horizontal position as station mark; local trails and the panel	P-22	on hwy, toward Phoenix for 9.9 mi to cross road, ther turn left and go W. for 0.8 mi to panel and station right; about 110 ft N. of rd; in center of permanent panel; in top of concrete post projecting 0.6 ft;	nce	from junction of State Highway. Chandler), drive S. on Highway road, thence turn right and go thence turn left for 0.2 mi, the continue W. for 2.0 mi to power site; 51 ft NE. of T-rd. S.: 3:	s 87 and 93 (7.0 mi S. of 93 for 0.8 mi to cross 3.0 mi to NS. rd., hence turn right and rline crossing and station 6 ft N. of centerline of
Contered over station mark; 6- by 6-foot square white panel. Same horizontal position as station mark 1128.2 P\$ 22	n 22	The special plants with the relation of the series	2 Worth 12 Worth 1	ft; Corps of Engineers disk st	amped TT U-22 1948"
Panel USGS	Panel AMS	cross-target panel.	11-22		and the state of t
USGS 0.3 ft; in center of 9- by 9-foot square white panel. No horizontal position established. Rod Elev. 1133.03 Panel Elev. 1132.7 Q-22 T. 3 S., R. 3 E., about 0.15 mi W. of NE. corner of sec. 12. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of hwy; 22.5 ft E. of centerline of EW. rd; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-22 1962 RAMY MAP SEMICE" X = 475,267.18 Y = 796,664.32 1136.74 Q-22 Located 57 ft S. of station mark; center of 9- by 9-foot square white panel. X = 475,277.78 Y = 796,608.46 1135.6 Rod Elev. 1137.93 Pp U-22 AMS Centerline of EW. rd. at intersecting centerline of secondary rd. S. (T-rd. S.) X = 497,079.5 Y = 796,675.4 1170.7 TIER 23 T. 3 S., R. 2 E., near SE. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to function with trail SE., thence turn left and go southerly for 0.3 mi to panel and station site; 84 ft W. of trail; in center of black and white panel; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "0-23 1940" (Not visited by USOS in 1965) X = 433,395.53 Y = 791,522.35 1080.50 Cantered over station mark; black and white cross-target panel. Rod Elev. 1137.93 Same horizontal position as station mark 1080.4	# F212		Panel	panel.	N. J. H. L. Stern Land St. Lan
No horizontal position established. Rod Elev. 1133.03 Panel Elev. 1132.7 Q-22 T. 3 S., R. 3 E., about 0.15 mi W. of NE. corner of sec. 12. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of hwy.; 22.5 ft S. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-22 1962 ARMY MAP SERVICE" X = 475,267.18 Y = 796,664.32 1136.74 Q-22 Located 57 ft S. of station mark; center of 9- by 9-foot square white panel. X = 475,277.78 Y = 796,608.46 1135.6 Rod Elev. 1137.93 ANS secondary rd. S. (T-rd. S.) X = 497,079.5 Y = 796,675.4 1170.7 TIER 23 T. 3 S., R. 2 E., near SE. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to junction with trail SE., thence turn left and go SE. for 0.35 mi to trail junction, thence turn right and go southerly for 0.3 mi to panel and station site; 84 ft W. of trail; in center of black and white panel; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "G-23 1948" (Not visited by USGS in 1965) X = 433,395.53 Y = 791,522.35 1080.50 Rod Elev. 1137.93 Same horizontal position as station mark 1080.4	P1-22 USGS			CONTRACTOR OF THE PROPERTY OF	12 miles (10 mil
Q-22 T. 3 S., R. 3 E., about 0.15 mi W. of NE. corner of sec. 12. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of hwy.; 22.5 ft S. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-22 1962 ARMY MAP SERVICE" X = 475,267.18 Y = 796,664.32 1136.74 Q-22 Located 57 ft S. of station mark; center of 9- by 9-foot square white panel. X = 475,277.78 Y = 796,608.46 1135.6 Rod Elev. 1137.93 T. 3 S., R. 2 E., near SE. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to for 0.35 mi to trail; junction, thence turn right and go southerly for 0.3 mi to panel and station site; 84 ft W. of trail; in center of black and white panel; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "G-23 1948" (Not visited by USOS in 1965) X = 475,277.78 Y = 796,608.46 1135.6 Rod Elev. 1137.93 T. 3 S., R. 2 E., near SE. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to fine the form of 0.35 mi to 7.35 mi to 7.		No horizontal position established. Rod Elev. 1133.07	PM4	secondary rd. S. (T-rd. S.)	THOUGHT HEAT
sec. 12. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft E. of centerline of hwy.; 22.5 ft S. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-22 1962 ARMY MAP SERVICE" X = 475,267-16	0-22	ALL ora to assess Wigness LEW ALLES CO. 45		The property of all services of	SE and a short
22.5 ft S. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-22 1962 ARMY MAP SERVICE" southerly, passing through Santa Cruz village, for 7.15 mi to junction with trail SE., thence turn left and go SE. for 0.35 mi to trail junction, thence turn right and go southerly for 0.3 mi to panel and station site; 84 ft W. of trail; in center of black and white panel. Q-22 Located 57 ft S. of station mark; center of 9- by 9-foot square white panel. X = 475,277.78 Y = 796,668.46		sec. 12. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross-	WY 12	THE COLUMN TWO IS NOT THE PROPERTY OF THE PROP	Service of the servic
X = 475,267-18 Y = 796,664.32 1136.74 southerly for 0.3 mi to panel and station sites 84 ft W. Q-22 Located 57 ft S. of station mark; center of 9- by 9-foot square white panel. X = 475,277.78 Y = 796,608.46 1135.6 Q-23 Con S. side of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1137.93 Rod Elev. 1137.93		22.5 ft S. of centerline of EW. rd.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped	RY SHITLAN	from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to junction with trail SE., thence turn left and go SE. for 0.35 mi to trail junction, thence turn right and go southerly for 0.3 mi to panel and station site; 84 ft W. of trail; in center of black and white panel; in top of	
Panel USGS X = 475,277.78 Y = 796,608.46 1135.6 X = 475,277.78 Y = 796,608.46 1135.6 X = 433,395.53 Y = 791,522.35 1080.50 Q=22 On S. side of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1137.93 Concrete post projecting 0.1 ft; Corps of Engineers disk stamped "G-23 1948" (Not visited by USGS in 1965) X = 433,395.53 Y = 791,522.35 Contered over station mark; black and white cross-target panel. Same horizontal position as station mark 1080.4	1 1 1 1 1	x = 475,267-18			
X = 475,277.78 Y = 796,608.46 . 1135.6 X = 433,395.53 Y = 791,522.35 1080.50 Q1-22 On S. side of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1137.93 X = 433,395.53 Y = 791,522.35 1080.50 Centered over station mark; black and white cross-target panel. Same horizontal position as station mark 1080.4	Panel	9- by 9-foot square white panel.	97884-01		
Q½-22 On S. side of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1137.93 G-23 Panel AMS Centered over station mark; black and white cross-target panel. Same horizontal position as station mark 1080.4	2331113111	x = 475,277.78			
Rod Elev. 1137.93		On S. side of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	Panel		ack and white cross-target
				Same horizontal position as sta	ation mark 1080.4

reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of cive N. reach from 20 PML crossing in Martings, of the cive of control of the cive of cive in the cive of present past in cook of cive in the cive of present past in cook of cive in the cive of present past in the cive of cive in the cive of present past in the cive of cive in the cive of present past in the cive of cive in the cive of present past in the cive of cive in the cive in the cive of cive in the cive	STATION	DESCRIPTION E PLANE COORDINATES	LEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES MOREON SINCE	CLEVATION (feet)
x = Maj.66.90 Y = 791,757.42 X = Maj.66.90 Y = 791,757.42 Centered over station mark; plank cross-target panel. Associated by Good in 1965) Centered over station mark; plank cross-target panel. Associated by Good in 1965 of the control of th	J-23	reach from SP RR. crossing in Maricopa, drive on hwy. toward Phoenix for 3.2 mi to powerlin crossing, thence turn left and go NW. on powe for 6.2 mi to large sandy clearing, thence tu and go W. across country, staying on N. side brushline, for 1.5 mi to group of large mesqu and station site; about 300 ft N. of heavy br in center of permanent panel: in top of concr	N. erline rd. rn left of heavy ite trees ushline; ete post;	Q-23	reach from SP RR. crossing in Maricopa, drive hwy. toward Fhoenix for 9.75 mi to track rd. turn right and go 0.15 mi to cross road, ther right and follow meandering rd. S. for 0.8 mi reverse rd. fork and station; 13 ft B. of N 15 ft NW. of trail NE.; in top of concrete po	e H. on E., thence ace turn - 5. rd.;
Panel And Same horizontal position and elevation as station mark And Same horizontal position and elevation as station mark And Same horizontal position and elevation as station mark And Same horizontal position and elevation as station mark And Same horizontal position and elevation as station mark And Same horizontal position and elevation as station mark And Same horizontal position as station mark And Same horizontal p		visited by USGS in 1965)			x = 476,266.30 Y = 791,208.34	1127.0
Danel Dame horizontal position as elation mark. 186.6 1.23 7.3 S., R. S. E., near NV. corner of sec. 16. To reach from \$ PM. crossing in Maricopa, drive N. on hoy. Plans Butte, themse turn left and go NV. for 1.0 Pm. of the corner of sec. 17. To reach from \$ PM. crossing in Maricopa, drive N. on hoy. The corner of th		x = 443,668.90 $Y = 791,757.42$	1082.0			quare white
Same horizontal position and elevation as station mark. L-73 T. 1 S. 3 S. 3 S. and FW. Conner of sec. 7. To reach road BY R. Treating in Maricopa, drive N. on hey toward Phoenia for C. 7 in it corses read at E. end of the control		THE RESERVE AND THE PARTY OF TH		USGS	Same horizontal position as station mark	1126.6
L-23 T. 1 S. M. 2 S. M. 2 S. M. 2 S. Mark FM. coroner of sec. 10. To reach the covered Phoenia for 67 of mil to cross road at E. and of plan Butts, themse turn infa and go W. Cer. 1.07 at 10 for sec. 10 for for an follow smill traveled of my surprised property of 5.05 at to panal and station on inft; in centre of 5.15 for for an follow smill traveled of my surprised property of 5.15 forgar of Engineers disk stamped "TL-23 1986" X = 959,301.58 Y = 791,471.16 1097.3 L-23 Contrard over station mark; lisck cross-target panel. Panel See horizontal position as station mark 1096.8 M-23 M-23 T. 1 S., M. 3 E., near SM. corner of sec. 9. To reach free SM PM. Cer. 12 for SM PM. Cer. 13 for SM PM. Cer. 14 for SM PM. Cer. 15 for SM		Same horizontal position and elevation as sta	tion mark.	some ma	and the second s	
L=23 Centered over station mark; plack cross-target penn.l. Market and go. W. or	L-23	from SP RR. crossing in Maricopa, drive N. on toward Phoenix for 6.7 mi to cross road at E. Pima Butte, thence turn left and go NW. for 1 rd. fork at N. end of Pima Butte, thence take fork and follow main traveled rd. northwester 3.05 mi to panel and station on left; in cent black manel: in ton of concrete post projecti	nwy. end of .05 ml to right ly for er of ng 0.5	R-23	reach from SP RR. crossing in Maricopa, drive hwy. toward Phoenix for 10.0 mi to cross road turn right and go E. for 1.15 mi to cross ros turn right and go S. for 0.95 mi to abandoned crossing and station site; located 40 ft W. co of NS. rd.; 23 ft S. of abandoned ditch; in concrete post projecting 0.4 ft; Corps of Eng stamped "BM R-23 1948"	e N. on i, thence id, thence id ditch of centerline in top of gineers disk
Same horizontal position as station mark 1096.8 M-23 T. J. S., R. J. E., case SE, corner of sec. 9. To make the food of Plan Butts, therefore the first and go W. for 1.05 and traveled of the food of Plan Butts, there turn right and go W. for 1.05 and traveled of for 2.15 at to trail leading W. there turn right and go W. for 1.05 at to trail leading W. there turn right and go W. for 1.05 at to trail leading W. there turn right and go W. for 1.05 at to trail leading W. there turn right and go W. for 0.2 at to a station as the country of the food concrete post projecting 0.5 ft; Corps of Engineers disk stamped W-23 1948 M-23 M-23 M-23 M-23 M-23 T. J. S., R. J. E., case W. corner of sec. 14. To reach from June 1.05 and the food of the food square white panel. M-23 M-23 M-23 T. J. S., R. J. S., case M. Corner of sec. 14. To reach from SP RR. crossing in Maricopa, drive W. on they toward Phenois for J. The 1.05 and 1.05						1136.4
He-23 T. 3 S., R. 3 E., near SE. corner of sec. 9. To reach from SP Ban. crossing in Maricopa. drive at S. end of Plans Butte, thence turn left and go W. for 1.05 and of Plans Butte, thence turn left and go W. for 1.05 and right and go 0.25 ml to distrail leading H., thence turn right and go 0.25 ml to distrail leading H., thence turn right and go 0.25 ml to distrail leading H., thence turn right and go 0.25 ml to distrail leading H., thence turn right and go 0.25 ml to distrail leading H., thence turn right and go 0.25 ml to distrail leading H., thence turn right and go 0.25 ml to concrate post projecting 0.5 ft; Corps of Engineers disk stamped *Ref 21989* T. 4 860;184.22 Y = 791,555.30 1096.0 Horizontal postition as station mark 1095.5 Horizontal postition as station mark 1095.5 Panel 10008 Same horizontal postition as station mark 1095.5 Panel 10008 Same horizontal postition as station mark 1095.5 Panel 10008 T. 3 S., R. 3 E., near HW. corner of sec. 10. To reach from SP BR. crossing in Maricopa. drive H. on butte on left and rd. M., thence turn left and go westerly on main traveled rd. for 1.1 ml to fork the post of the post projecting do. 5 ft; Corps of Engineers disk turn that the post of the covered with multiple and follow meandering trail H. for 0.6 ml to heavy branking, themce turn left and go westerly on main traveled rd. for 1.1 ml to fork the post of the pos	L-23	Centered over station mark; black cross-targe	t panel.			
H-23 T. 3.5., R. 3.E. rese SE. currar of sec. 9. 70 hey. toward Phoenix for 6.7 mit to cross road at E. end of Plan Butt, themee turn letted and go W. for 1.05 mit raveled for, for 2.15 mit to tross road at E. end related for the second for the s		Same horizontal position as station mark	1096.B			
M-23 Panel USOS M-24 Panel USOS M-25 Panel USOS M-26 Panel USOS M-27 Panel USOS M-28 Panel USOS M-28 Panel USOS M-29 P	Е\$-М	reach from SP RR. crossing in Maricopa, drive hwy. toward Phoenix for 6.7 mi to cross road of Pima Butte, thence turn left and go NW. fo mi to rd. fork, thence take right fork and fo traveled rd. for 2.15 mi to trail fork, thence right and go 0.25 mi to dim trail leading N., turn right and go N. for 0.25 mi to trail E., turn right and go 0.1 mi to station site; in concrete post projecting 0.5 ft; Corps of Eng	N. on at E. end r 1.05 llow main tturn thence thence top of	5+23	T. 3 S., R. 4 E., near NE. corner of sec. 17. reach from junction of State Highways 87 and (7.0 mi 8. of Chandler), go S. on Highway 93 to cross road, thence turn right and go 3.0 m curve S., thence jog S. for 0.2 mi, thence comain rd. W. for 2.0 mi to powerline and rd. Sturn left and go S. 0.25 mi to rd. junction, turn right and go W. on main traveled rd. for dim trail to SW., thence turn left and go SW.	To 93 for 0.8 mi mi W. to ntinue on 1., thence thence to-95 mi to for 0.75
Panel USOS Same horizontal position as station mark 1095.5 Panel USOS	ne spos	Horizontal position by USGS in 1965.			aits; in NE. corner of once cultivated clears of concrete post projecting 0.5 ft; Corps of	lng; in top
Same horizontal position as station mark 1095.5 N-23 T. 3 S., R. 3 E., near NW. corner of sec. 14. To be the seath from SP RR. crossing in Maricopa, drive N. on heavy, toward Phoenix for T.7 mit to N. end of small butte on left and rd. N., thence turn left and go wasterly on main traveled rd. for 1.1 mit of fork, thence turn left and go NW. for 1.0 mit of the trail N., thence turn left and go NW. for 0.2 mit to distrail N., thence turn right and go NW. for 0.2 mit to distrail N., thence turn right and follow meandering that N. the state of ground; Corvered with mud; in top of concrete post 0.3 ft below surface of ground; Corps of Engineers disk stamped "TN -23 1948" X = 465,947.71 Y = 791,090.01 1105.19 N-23 P-23 T. 3 S., R 3 E., near NW. corner of sec. 13. To reach from Synthesis of the surface of ground; Corps of Engineers disk stamped "TN -23 1948" T. 3 S., R 3 E., near NW. corner of sec. 13. To reach from Synthesis of three large trees in top of concrete post to surface of sale to trail NW. on N. side of Gila River, thence turn left and follow trail NW. on N. side of Gila River, thence turn left and follow trail NW. on N. side of Gila River, thence turn left off trail and go S. across country for 0.2 mit to large clearing and station site; on N. side of Gila River, thence turn left off trail and go S. across country for 0.2 mit changed trail and go S. across country for 0.2 mit changed the surface of Engineers disk stamped "TN -23 1948" R = 471,355.52 Y = 790,855.62 1114.5 Horizontal position as station mark 1105.7 P-23 Centered over station mark; 12- by 12-foot square white panel. Same horizontal position as station mark 1114.2 Same horizontal position as station mark 1105.5 Same horizontal position on the station site; on N. side of Gila River, thence turn left and follow trail NW. on the station site; 23 ft NE. of Tendence turn sight and go W. for 3.0 mit, thence turn sight and go W. for 3.0 mit, thence turn sight and go W. for 3.0 mit, thence turn sight and go W. for 3.0 mit, thence turn s	Panel		re wife		x = 486,235.62	1145.51
rash from ER RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 7.7 mi to N. end of small butto on left and rd. W., thence turn left and go waskerly on marked and the state of	USUB	Same horizontal position as station mark	1095.5	Panel .		quare white
butte on left and rd. W., thence turn left and go wasterly on and traveled rd. for 1.1 ml to fork, thence turn left and go wasterly on and traveled rd. for 1.1 ml to fork, thence take right fork addition of follow seandering trail N. for 0.6 ml to heavy brushline, thence turn left and go W. 0.2 ml to station site; in small clearing; in center of old circular rock panel (now covered with mud); in top of concrete post 0.3 ft below surface of ground; Corps of Engineers disk stamped "TT W-23 1948" X = 465,947.71 Y = 791,090.01 1105.19 X = 465,947.71 Y = 791,090.01 1105.19 X = 465,947.71 Y = 791,090.01 1105.19 X = 491,779.86 Y = 791,332.08 1153.4 Horizontal position as station mark 1105.5 P-23 T. 3 S., R. 3 E., near NV. corner of sec. 13. To reach from SP RR. exossing in Maricopa, drive N. on hys. toward Phoenix for 8.3 ml to trail NV. on N. side of Glia River, thence turn left and follow trail NV. for 0.4 ml, thence turn left and follow trail NV. for 0.4 ml, thence turn left and follow trail NV. on N. side of Glia River, thence turn left and go S. across country for 0.2 ml to large clearing and station site; on N. side of assatement of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped Trail and go S. across country for 0.2 ml to large clearing and station site; on N. side of assatement of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped Trail and go S. across country for 0.2 ml to large clearing and station site; on N. side of assatement of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped Trail and go S. across country for 0.2 ml to large clearing and station site; on N. side of assatement of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped Trail and go S. across country for 0.2 ml to large clearing and station site; 3 ft NE. of Centered over station mark; 15-by 12-foot square white panel. Same horizontal position as station mark .	N-23	T. 3 S., R. 3 E., near NW. corner of sec. 14	To N. On	USGS	Same horizontal position as station mark	1145.0
X = 465,947.71 Y = 791,090.01 1105.19 N-23 Panel USGS Centered over station mark; 12- by 12-foot square white polyethylene panel. Same herizontal position as station mark 1105.5 P-23 T. 3 S., R. 3 E., near NV. corner of sec. 13. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NV. on N. side of Oils River, thence turn left and follow trail NV. for 0.4 mi, thence turn left and follow trail NV. for n. side of assternmost of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "P-23 1948" P-23 P-24 P-25 P-25 P-26 P-27 P-28 P-28 P-29 Centered over station mark; 6- by 6-foot square white panel. Same horizontal position as station mark . 1114.2 N = 491,779.86 Y = 791,392.08 Horizontal position by USGS in 1965. Same horizontal position mark; 6- by 6-foot square white panel USGS Same horizontal position mark; 12- by 12-foot square white panel USGS Same horizontal position mark; 12- by 12-foot square white panel USGS Centered over station mark; 6- by 6-foot square white panel USGS T. 3 S., R. 4 E., near SV. cerner of sec. 11. To reach from junction of State Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to rd. W., thence turn right and go W. for 3.0 mi, thence turn sight and go W. for 1.75 mi to bend in main rd. Just N. of adobe building and trail W., thence turn left and go SW. on main trail for 0.6 mi to ditch crossing and station site; 23 ft NE. of centerline of ditch; 13 ft SE. of centerline of trail; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-23 1948" X = 497,273.12 Y = 791,515.79 1165.17 Centered over station mark; 12- by 12-foot square white panel, with two 3- by 12-foot wing panels.	otera line	hwy. toward Phoenix for 7.7 mi to N. end of a butte on left and rd. W., thence turn left ar wasterly on main traveled rd. for 1.1 mi to f thence take right fork and go NW. for 0.2 mi trail N., thence turn right and follow meands trail N. for 0.6 mi to heavy brushline, thence left and go W. 0.2 mi to station site; in sme clearing; in center of old circular rock pane covered with mud); in top of concrete post 0. below surface of ground; Corps of Engineers of	mall dd go ork, to dim ering to turn ll ll flow f f	T-23	of Chandler), drive S. on Highway 93 for 0.8 W., thence turn right and go W. for 3.0 mi, 18. for 0.2 mi, thence continue W. for 3.0 mi trail 8., thence turn left and follow trail 6.0 mi and station mark on right; 21 ft W. of	mi to rd. thence turn to dim due S. for f trail;
Centered over station mark; 12- by 12-foot square white polyethylene panel. Same horizontal position as station mark 1105.5 P-23 T. 3 S., R. 3 E., near NW. corner of sec. 13. To reach from SP RR. rowsing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NW. on N. side of Gila River, thence turn left and follow trail NW. for 0.4 mi, thence turn left and follow trail NW. for 0.4 mi, thence turn left of trail and go S. across country for 0.2 mi to large clearing and station site; on N. side of mastermost of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "P-23 1948" X = 471,355.52 Y = 790,655.62 1114.5 Thence turn left and go SW. on main trail for 0.5 mi to dithe crossing and station site; in top of concrete post projecting 0.3 ft; Corps of Engineers for in top of concrete post projecting 0.3 ft; Corps of Engineers for in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-23 1948" X = 497,273.12 Y = 791,515.79 1165.17 Centered over station mark; 6- by 6-foot square white panel. Same horizontal position mark; 6- by 6-foot square white panel. Same horizontal position as station mark 1105.5 Centered over station mark; 6- by 6-foot square white panel. Same horizontal position mark; 12- by 12-foot square white panel, with two 3- by 12-foot wing panels.	(ESTA-8	x = 465,947.71 Y = 791,090.01	1105+19		x = 491.779.86 $y = 791.392.08$	100
Same horizontal position as station mark 1105.5 Panel USGS T. 3 S., R. 3 E., near NW. corner of sec. 13. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NW. on N. side of 0.4 mi, thence turn left and follow trail NW. for 0.4 mi, thence turn left and follow trail NW. for 0.4 mi, thence turn left and station site; on N. side of masternmost of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "P-23 1948" P-23 Centered over station mark; 6- by 6-foot square white panel. Same horizontal position as station mark 1105.5 Panel USGS T. 3 S., R. 4 E., near SW. corner of sec. 11. To reach from junction of State Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to rd. W., thence turn right and go W. for 3.0 mi, thence turn right and go W. for 1.75 mi to bend in main rd. Just N. of adobe building and trail W., thence turn left and go 0.05 mi to rd. W., thence turn left and go SW. on main trail for 0.6 mi to ditch crossing and station site; 23 ft NE. of centerline of ditch; 13 ft SE. of centerline of trail; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-23 1948" X = 497,273.12 Y = 791,515.79 1165.17 Centered over station mark; 12- by 12-foot square white panel, with two 3- by 12-foot wing panels.		Centered over station mark; 12- by 12-foot so	quare	т_23		are white
P-23 T. 3 S., R. 3 E., near NW. corner of sec. 13. To reach from SP RR. cromsing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NW. on N. side of Gila River, thence turn left and follow trail NW. for 0.4 mi, thence turn left and follow trail NW. for 0.4 mi, thence turn left and go S. across country for 0.2 mi to large clearing and station site; on N. side of sasternment of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "P-23 1948" Reach from SP RR. cromsing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NW. on N. side of Gila River, thence turn left and go S. across country for 0.2 mi to large clearing and station site; on H. side of sasternment of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "P-23 1948" Reach from SP RR. cromsing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NW. on N. side of Gila River, thence turn left and go W. for 3.0 mi, thence turn right and go W. for 3.0 mi, thence turn left and go 0.0 mi, thence turn left and go 0.0 mi to trail SW., thence turn left and go SW. on main trail for 0.6 mi to ditch crossing and station site; 23 ft NE. of centerline of ditch; 13 ft SE. of centerline of trail; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-23 1948" Reach from SP RR. eromsing in Maricopa, drive N. on About the from junction of State Highway 93 and 87 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to d. W., thence turn right and go W. for 3.0 mi, thence turn right and go W. for 3.0 mi, thence turn left and go 0.05 mi to trail SW., thence turn left and go 0.05 mi to trail SW., thence turn left and go 0.05 mi to trail SW., thence turn left and go 0.05 mi to trail SW., thence turn left and go 0.05 mi to trail SW., thence turn left and go 0.05 mi to trail SW., thence turn left and go W. on main trail for 0.6 mi to ditch crossing and station site; 23 ft NE. of centerline of ditch; 13 ft SE. of centerlin	USGS	AND THE RESERVE OF THE PARTY OF	1105.5	Panel	panel.	3,44
reach from SP RR. cromsing in Maricopa, drive N. on hwy. toward Phoenix for 8.3 mi to trail NN. on N. side of Gila River, thence turn left and follow trail NN. for 0.4 mi, thence turn left off trail and go S. across country for 0.2 mi to large clearing and station site; on N. side of masternmost of three large trees; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "P-23 1946" P-23 Centered over station mark; 6- by 6-foot square white panel. Same horizontal position as station mark . 1114.2 Same horizontal position as station mark . 1114.2 T. 3 S., R. 4 E., near SN. corner of sec. 11. To reach from junction of State Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 for 0.8 mi to drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highways 9				0.721	Same horizontal position as station mark	1153.0
P-23 Centered over station mark; 6- by 6-foot square white Panel panel. USGS Same horizontal position as station mark . 1114.2 U-23 Centered over station mark; 12- by 12-foot square white panel, with two 3- by 12-foot wing panels. USGS		reach from SP RR. crossing in Maricopa, drive hwy. toward Phoenix for 8.3 mi to trail RW. of dila River, thence turn left and follow to for 0.4 mi, thence turn left off trail and grountry for 0.2 mi to large clearing and stat on N. side of masternmost of three large tree of concrete post projecting 0.3 ft; Corps of disk stamped "P-23 1948" X = 471,355.52 Y = 790,855.62	: N. on on N. side rail NW. o S. across tion site; ss; in top Engineers	U-23	from junction of State Highways 93 and 87 (7 Chandler), drive S. on Highway 93 for 0.8 mi thence turn right and go W. for 3.0 mi, then and go 0.6 mi to rd. W., thence turn right at 1.75 mi to bend in main rd. just N. of adobe and trail W., thence turn left and go 0.05 m SW., thence turn left and go SW. on main trate ditch crossing and station site; 23 ft NE centerline of ditch; 13 ft SE. of centerline in ten of concrete nest projecting 0.3 ft; C.	.0 mi S. or to rd. W., ce turn S. nd go W. for building i to trail il for 0.6 mi . of of trail;
USGS Same horizontal position as station mark . 1114.2 U-23 Centered over station mark; 12- by 12-foot square white panel, with two 3- by 12-foot wing panels. USGS	P-23 Panel		are white			1165.17
The All Court British that is the appropriate Side Index (CEC) USGS	USGS		1114.2	Panel	Centered over station mark; 12- by 12-foot s	quare white
			1704	USGS		1164.9

PLANE COORDINATES (feet) DESCRIPTION PLANE COORDINATES (feet) STATION DESCRIPTION STATION T. 3 S., R. 4 E., about 840 ft S. of NE. corner of sec. 13. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), go S. on Highway 93 for 0.8 mi to rd. W., thence turn right and go W. for 3.0 mi to turn S., thence turn left and go S. 0.7 mi to turn W., thence turn right and go W. for 1.2 mi to powerline crossing, thence turn sharp left onto powerline rd: and go SE. for 1.3 mi to cross trail and station site; 15 ft N. of powerline rd.; 15 ft W. of trail; 25 ft NE. of power pole No. 279; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TR W-23 1960 ARMY MAP SERVICE" W-23 T. 3 S., R. 3 E., about 0.1 mi SE. of NW. corner of sec. 24. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 7.7 mi to trail W., thence turn left and go 0.1 mi to fork, thence turn left for 0.15 mi to station site; about 0.15 mi WSW. of small top; about 100 ft W. of small oval-shaped alkali flat; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "F-24 1948" P-24 X = 471,253.73 Y = 785,656.76 Horizontal position by USGS in 1965. 1126.6 X = 507.561.25Y = 790,656.231187.66 P-24 Panel USGS Centered over station mark; 6- by 6-foot square white Centered over station mark; 12- by 12-foot square white panel. W-23 Penel USGS Same horizontal position as station mark Same horizontal position as station mark 1187.5 T. 3 S., R. 4 E., about 0.2 mi SE. of NW. corner of sec. 19. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 6.7 mi to cross road on E. side of Pina Butte, thence turn right and go E. for 0.4 mi to T-rd. N., thence turn left and go N. for 0.8 mi to trail intersection and station site; 32.5 ft W. of centerline of N.-S. rd.; 2.4 ft SW. of corner fence post; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT 0.24 1948 RESET AMS 1952" T. 3 S., R. 5 E., near NW. corner of sec. 16. To reach from junction of State Righways B7 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 2.5 mi to rd. W., thence turn right and go northwesterly for O.7 mi to cross road, thence turn right and go 0.1 mi to ditch crossing and station site; 17 ft S. of abandoned irrigation ditch; 14.5 ft E. of rd.; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "TT Y-23 1962 ARMY MAP SERVICE" Q-24 Y-23 x = 518,595.44Y = 791,383.221206.7 Centered over station mark; 6- by 6-foot/square white Q-24 Panel USGS Centered over station mark; 12- by 12-foot square Y-23 Panel USGS white panel. Same horizontal position as station mark Same horizontal position as station mark 1206.2 T. 3 S., R. 4 E., near SW. corner of sec. 17.
To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 10.0 mi to cross road, thence turn right and go E. for 1.1 mi to rd. S., thence turn right and go S. for 2.0 mi to station site on left; 47 ft E. of centerline of N.-S. rdr; 28 ft N. of N. bank of large wash; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "BM R-24 1948 RESET AMS 1956" R-24 TIER 24 T. 3 S., R. 3 E., near-SE. corner of sec. 17.
To reach from SP RR. crossing in Maricopa, drive N.
on hwy. toward Phoenix for 3.2 mi to powerline crossing,
thence turn left and go NW. on powerline rd. for 4.9 mi
to large sandy clearing, thence turn right and go E.
across country, following clearing, to station site;
at N. edge of clearing; about 75 ft W. of deep drain;
in top of concrete post projecting 0.3 ft; Corps of
Engineers disk stamped "L-2% 1948" L-24 X = 481,271.60 Y = 786,190.33 Herizontal position by USOS in 1965. 1134.57 Centered over station mark; 6- by 6-foot square white R-24 X = 454,531.35 Y = 786,274.36 Horizontal position by USGS in 1965. 1095.9 Panel usos Same horizontal position as station mark 1134.3 Centered over station mark; 6- by 6-foot square L-24 Panel T. 3 S., R. 4 E., near SE. corner of sec: 17. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 10.0 ml to cross road, thence turn right and go E. for 1.1 ml to rd. S., thence turn right and go E. for 1.0 ml to cross trail, thence turn left and go SE. on main traveled trail for 0.6 ml to trail fork, thence take left fork and go 0.1 ml to crosstrail, thence turn right and go S. 0.35 ml to clearing, thence SE. across country for 0.35 ml, thence cross a brushy drain, and continue SE. for 0.35 ml to SE. edge of clearing and station site; (use 4-wheel drive vehicle and photography for cross-country access to this station); in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "BM S-24 1948 RESET AMS 1953" USGS 8-24 Same horizontal position as station mark 1095.6 T. 3 S., R. 3 E., near SW. corner of sec. 15.
To reach from SP RR. crossing in Maricopa, drive N.
on hwy. toward Phoenix for 6.7 ml to cross road, thence
turn left and go NN., on N. side of Pima Butte, for
1.05 ml to fork, thence take right fork and go
westerly for 1.45 ml to fork, thence take left fork
and go 0.3 ml to trail SW., thence turn left and go
SW. for 0.2 ml, thence turn left and go 8. 0.05 ml to
large lone tree at NW. end of group of three trees
and station; 32 ft W. of tree; in top of concrete post
projecting 0.4 ft; Corps of Engineers disk stamped
"M-24 1948" M-24 X = 486,494.01 Y = 786,412.02 Horizontal position by USQS in 1965. 1141.68 X = 460,230.18 Y = 786,602.26 Horizontal position by USGS in 1965. 1106.5 Centered over station mark; 6- by 6-foot square white 5-24 Panel USGS M-24 Centered over station mark; 6- by 6-foot square white Panel Same horizontal position as station mark USGS Same horizontal position as station mark 1106.1 T. 3 S., R. 4 E., near SE. corner of sec. 16. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 5.1 mi to rd. W., thence turn right and go W. for 5.0 mi to cross road, thence turn right and go N. for 1.0 mi to cross road and track rd. HW. (at station U-25), thence turn left and go NW. on main trail for 0.3 mi to cross trail, thence continue straight ahead for 0.2 mi to N.-S. trail, thence turn right and go N. for 0.45 mi to trail W., thence turn left and go W. 0.5 mi to N.-S. trail, thence turn left and go W. 0.5 mi to N.-S. trail, thence turn right and go 0.5 mi N. to station site on left; about 0.2 mi N. of rim; 18 ft W. of trail; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "BM T-24 1948" T-24 T. 3 S., R. 3 E., near SW. corner of sec. 14. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 6.7 mi to cross road at E. end of Pima Butte, thence turn left and go NW. for 1.05 mi to rd. forks, thence take right fork and follow main traveled rd. for 0.75 mi to open sandy area and station on right; on S. side of lone tree; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "N-24 1948" N-24 X = 465,604.36 Y = 786,424.62 Horizontal position by USGS in 1965. N-24 Centered over station mark; 6- by 6-foot square white X = 491,772.00 Y = 785,891.09 Horizontal position by USGS in 1965. Panel USGS Same horizontal position as station mark 1113.9 Centered over station mark; 6- by 6-foot square white T-24 Panel USGS

Same horizontal position as station mark

STATION	DESCRIPTION ELEVAPION (feet)	STATION	DESCRIPTION ELEVATION (feet)
U-24	T. 3 S., R. 4 E., near SW. corner of sec. 14. To reach from SP RR. crossing in Maricopa, drive N. on hey, toward Phoenix for 5.0 mi to paved rd. E., thence turn right and go 5.55 mi to cross road, thence turn left and go N. for 3.0 mi to crosstrail and station site; 10 ft E. of centerline of NS. rd.; 9 ft N. of cross trail; in top of concrete post flush with ground; Corps of Engineers disk stamped "TT U-24 1948 RESET AMS 1956" X = 497,086.86 Y = 786,294.47 1156.66	N-25	T. 3 S., R. 3 E., near NE. corner of sec. 27. To reach from SP RR. crossing in Maricopa, drive N. en hwy. toward Fhoenix for 6.7 mi to cross read on E. side of Pima Butte, thence turn left and go SW. on S. side of Pima Butte for 1.5 mi to small butte on W. side of Pima Butte, and on W. side of Santa Cruz Wash; on top of small butte; cemented in outcropping bedrock; Corps of Engineers disk stamped "TR N-25 1948 RESET 1952" X = 465,170.84 Y = 780,320.05 1161.35
U-24 Panel USOS	Centered over station mark; 6- by 6-foot square white panel. Same horizontal position and elevation as station mark. TIER 25	B-25 Pane1 USGS P-25	Centered over station mark; 12- by 12-foot square white panel. Same horizontal position and elevation as station mark T. 3 S., R. 3 E., about 0.2 mi ESE of NW. corner of sec. 25. To reach from SP RR. crossing in Maricopa, drive M. on hwy. toward Phoenix for 6.7 mi to cross
G-25	T. 3 S., R. 2 E., near SE. corner of sec. 22. To reach from post office in Laveen, go S. on black top rd. for 6.4 mi to rd. fork, thence take right fork and go SEE., passing through Santa Cruz village, for 8.6 mi to junction with track rd. from NE., thence turn left and go NE. 0.3 mi to cross trail, thence turn right and go S. for 1.0 mi to station site on right; about 150 ft W. of trail; in center of permanent	unesphalitered	road on E. side of Pima Butte, thence turn left, maring PrightPrork for 0.2 mi to telephone line crossing, thence turn left and go S. along telephone line rd. for 0.15 mi and statton; 43 ft E. of telephone line rd.; 90 ft BE. of pole No. 215; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "P-25 1948" [X = 471,738.78 Y = 780,551.10 1136.12 Horiscatal position by USGS in 1965. Contained over station mark; 6- by 6-foot square white
	panel; in top of concreté post projecting 0.3 ft; Corps of Engineers disk stamped "0-25 1949" (Not visited by USGS in 1965)	Panel USQS	panel. Same horizontal position as station mark 1135.7
G-25 Panel AMS	X = 433,180.78 Y = 780,899.06 1174.76 Centered over station mark; black and white cross-target panel. Same horizontal position as station mark 1174.5	Q-25	T. 3 S., R. 3 E., near SE. corner of sec. 24. To reach from SP RR. crossing in Maricops, drive N. on hwy. toward Phoenix for 6.7 mi to cross road, thence turn right and go 0.7 mi E. to powerline crossing, thence turn left and go N. along powerline for 0.1 mi to rd. NW., thence turn left and go 0.1 mi to fork, thence take right
J-25	T. 3 S., R. 2 E., near NE. corner of sec. 25. To reach from post office at Laveen, go S. on black top rd. for 6.4 mi to rd. fork, thence take right fork and go SSE., passing through Santa Cruz village and crossing pipeline, for 7.5 mi to junction with rd. from E., thence turn left and go E. for 0.9 mi past group of houses to corral, thence bear left around NE. corner of corral, thence go SE. for 1.7 mi to trail fork, thence take left fork and continue SE. for 0.4 mi to fork, thence take right fork for 0.1 mi to fork, thence take right fork and go S. for 0.5 mi to T-rd.,	Q-25 Panel AME	fork for about 150 ft to panel and station; in center of panel; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT Q-25 1948" X = 475,644.41
P P P P P P P P P P P P P P P P P P P	thence turn left and go E. for 0.1 mi, thence turn left and go N. across country for 0.4 mi and station site; in center of permanent panel; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped TR J-25 1948 RESET ANS 1953" (Not visited by USGS in 1965) X = 443,699.56 Y = 780,370.02 1094.0	R-25	T. 3 S., R. 4 E., near SE. corner of sec. 19. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 5.1 mi to paved rd. E., thence turn right and go E. for 2.5 mi to rd. N thence turn left and go N. for 2.15 mi to cross trail and station; 31 ft W. of NS. rd.; 9 ft N. of cross trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM R-25 1948"
J-25 Panel AMS	Centered over station mark; black painted cross- target panel.		X = 481,191.66 Y = 781,330.93 1141.0 Horizontal position by USGS in 1965.
L-25	T. 3 S., R. 3 E., near SW. corner of sec. 21.	R-25 Panel USGS	Centered over station mark; 6- by 6-foot square white panel. Same horizontal position as station mark 1140.6
Branch Br	To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 3.2 mi to powerline crossing, thence turn left and go NW. on powerline rd. for 3.95 mi to power pole No. 221; panel and station are about 270 ft W. of powerline; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "TT L-25 1948" X = 455,493.67 Y = 781,568.97 1103.6	8-25	T. 3 S., R. 4 E., about 0.1 mi N. of SE. corner of sec. 20. To reach from junction of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 11.2 mi to cross road on E. side of Pima Butte, thence turn left and go easterly on main rd. for 1.85 mi to cross road, thence go straight ahead (easterly) for 1.1 mi to canal crossing, thence cross canal and turn left and go N. on trail along
L-25 Panel AMS	Centered over station mark; black asphalt cross-target panel.		canal for 1.1 mi to panel and station; about 75 ft E. of trail; in small clearing; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT 8-25 1948" (Not visited by USGS in 1965)
1	Same horizontal position as station mark 1103.5		X = 486,462.16 Y = 781,457.47 1147.48
N-25	T. 3 S., R. 3 E., near SE. corner of sec. 21. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 3.2 mi to powerline crossing, thence turn left and go NW. on powerline rd. for 3.4 mi to trail NE, thence turn right and go NE. 0.55 mi to crossroads, thence turn left for 0.05 mi	8-25 Panel ANS	Contered over station mark; white painted cross-target panel. Same horizontal position as station mark 1147.2
Alloria 12 Allerando 1 Angitura do	to fork, thence take right fork and follow dim trail NE. for 0.3 mi to lone mesquite tree and station site; on SW. edge of tree; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "M-25 1948"	T-25	T. 3 S., R. 4 E., near SW. corner of sec. 22. To reach from junction of State Highways 87 and 93 (7.0 ml S. of Chandler), go S. on Highway 93 for 5.1 ml to cross road, thence turn right and go W. for 5.0 ml to cross road, thence turn right and go N. 1.0 ml to cross road
	X = 460,007.46 Y = 781,441.01 1113.2 Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-foot square white panel. Same horizontal position as station mark 1112.7		and trail NW., thence turn left and go NW. and W. for 0.3 mi to cross trail, thence continue W. for 0.2 mi to trail N., thence turn right and go 0.5 mi to trail W., thence turn left and go 0.5 mi to NS. trail, thence turn left and go S. for 0.5 mi to station on right; 13 ft W. of trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-25 1948"
			X = 491,779.32 Y = 781,092.87 1156.6 Horizontal position by USGS in 1965.
		T-25 Panel	Centered over station mark; 6- by 6-foot square white panel.
		USGS	Same horizontal position as station mark 1156.2

DESCRIPTION ELEVATION STATION PLANE COORDINATES T. 3 S., R. 4 E., near NW. corner of sec. 26.
To reach from junction of State Highways 87 and 93
(7.0 mi S. of Chandler), go S. on Highway 93 for 5.1
mi to rd. W., thence turn right and go W. for 5.0 mi
to cross road, thence turn right and go N. for 1.0 mi
to cross road and station; 25 ft E. of centerline of
N.-S. rd.; 23.4 ft S. of centerline of rd. E.; 3.5 ft
SE. of corner fence post; in top of concrete post
projecting 0.1 ft; Corps of Engineers disk stamped
"BM U-25 1963 ARMY MAP SERVICE" **U-25** 1168.9 No horizontal position established. U-25 Panel USGS 87.5 ft NW. of station mark; 12- by 12-foot square white panel. No horizontal position established. Elev. 1169.1 Centerline of N.-S. rd. at intersecting centerline of rd. E. (position apparently obtained before old monument was destroyed) PP U-25 AMS X = 497,063.07Y = 780,859.291168.7 T. 3 S., R. 4 E., near NE. corner of sec. 25.
To reach from junction of State Highways 87 and 93
(7.0 mi S. of Chandler), go S. on Highway 93 for
5.1 mi to cross road, thence turn right and go W. for
3.0 mi to cross road, thence turn right and go N. for
1.0 mi to E.-W. rd. and station site; 38 ft S. of
centerline of E.-W. rd.; 20 ft W. of centerline of
rd. S.; 2 ft E. of fenceline; in top of concrete post
projecting 0.2 ft; USC&GS standard disk stamped
"N 276 1948" W-25 (CAGS BM N-276) x = 507,604.29 Y = 780,844.391185.72 Located 71 ft NNE. of station; 12- by 12-foot square white panel. $\,$ W-25 Panel USGS X = 507.625.77 Y = 780.912.041185.4 T. 3 S., R. 5 E., about 0.1 mi NE. of SW. corner of sec. 21. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 5.1 mi to cross road, thence turn right and go W. 1.0 mi to cross road just W. of canal, thence turn right and go N. 0.9 mi to intersection of 5 trails at bank, thence take trail leading N. for 0.2 mi to station site; 75 ft W. of rd.; in center of panel; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "TT Y-25 1948" Y-25 X = 518,655.88Y = 781.448.111194.6 The AMS permanent asphalt panel at this station was covered with dirt and no longer clearly visible on aerial photos. An 8- by 8-foot square white temporary panel was centered over station mark by USGS in 1965. Y-25 Panel USGS 1194.1 Same horizontal position as station mark AMS INTERSECTED STATIONS On highest ridge in South Mountain Park; easternmost of four large-TV towers; a self-supported, tapered, three-legged steel tower painted red and white, and 387 ft tall. Center of tower. KPHO TV TOWER X = 455,927.14Y = 849,034,30On highest ridge in South Mountain Park; second most westerly of four TV towers; tower is a self-supported, tapered, three-legged steel tower painted red and white. The overall height is 228 ft. Center of tower. KTVK TV Y = 848,910.35X = 455,451.53On highest ridge in South Mountain Park. The most westerly of four TV towers; it is a guyed triangular-shaped steel tower painted red and white. Overall height is 350 ft. Center of tower. KTAR TV TOWER X = 455, 193.39Y = 848.748.70Located about 2.0 mi W. of Mesa; 600 ft N. of SP RR. tracks. A cylindrical steel tank painted black with cone roof supported by four-legged steel tower. Overall height is 75 ft. Point observed was the finial of core roof. U. OP ARIZONA WATER of cone roof. X = 515,820.43Y = 877.657.41

Day's Ass 23 STATION DESCRIPTION ELEVATION PLANE COORDINATES MESA The southernmost and smaller of two tanks at Rendezvous Park in Mesa. A cylindrical steel tank with cone roof, supported by four-legged steel tower, overall height is 136 ft. Point observed was ball at top center of tank. WATER TANK x = 526,404.57 Y = 880.616.48The northernmost and larger of two tanks at Rendezvous Park. A cylindrical steel tank with a cone roof supported by a six-legged steel tower, overall height is 136 ft. Point observed was ball at top center of tank. MESA WATER TANK NO. 2 X = 526,406.03 Y = 880,797.18Located about 0.3 mi SE. of city square of Chandler. The tank is the oldest of two water tanks in same fenced enclosure. Tank is a cylindrical steel tank with a cone roof, supported by four-legged steel tower. Overall height is about 135 ft. The center of the ball at the top center of the tank. CHANDLER X = 524,272.34 Y = 836,784.61CHANDLER Tank is the newest and largest of two water tanks in same fenced enclosure in Chandler. The tank has a flattened spherical-appearing shape, and is supported by an eight-legged steel tower. Overall height about 135 ft. Foint W. T. No. 2 is the cap on top center of tank. X = 524,250.75Y = 836,710.81Located on N. side of Tempe, on highest point of prominent butte known as Tempe Butte. The point observed was the center of a 45 ft long cedar pole supported by a 20 ft high steel tower. TRMPR MAST X = 494,375.90 Y = 883,297.78ST. JOHNS NO DESCRIPTION INDIAN SCHOOL X = 421,902.78Y = 833,510.71 Located 2.5 mi W. of town of Gilbert, and 0.4 mi S. of Guadalupe Road. Tank is a cylindrical steel tank with a cone roof, supported by four-legged steel tower. Ove height is about 105 ft. Point sighted was the finial of the cone roof of tank. WESTERN FEED & SEED CO. Overall Point sighted was the finial of X = 526,083.98 Y = 858.159.31AMS TRIANGULATION STATIONS T. 2 S., R. 4 E., about 0.15 mi E. of center of sec. 29. To reach from SP RR. crossing in Maricopa, drive northerly on hwy. toward Phoenix for 12.4 mi to cross road, thence turight on track rd. and go easterly for 1.2 mi to cross road and station site; 19 ft S. of centerline of E.-W. rd.; 17.5 ft W. of centerline of N.-S. rd.; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "COMPER 1962 ARMY MAP SERVICE" CONFER x = 484,813.35Y = 810,035.16POST

T. 2 S., R. 5 E., about 0.25 mi W. of center of sec. 31. To reach from courthouse in Chandler, drive S. on Highway 87 for 6.0 mi to rd. W., thence turn right and go W. for 2.7 mi to station on right; located midway between two large cottonwood trees; 15 ft N. of centerline of E.-W. rd.; 9 ft S. of irrigation ditch; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "POST 1962 ARMY MAP SERVICE" (Not visited by USGS in 1965)

Y = 804,139.94

x = 508.849.00

HARVESTER To reach from intersection of South Central Avenue and Baseline Road, drive S. into South Mountain Park for 2.6 mi to rd. forks, thence take middle fork of three and go 1.3 mi to rd. fork, thence take left fork and continue around a curve and up a long grade on Summit Drive for 3.4 mi to rd. fork, thence take right fork and go E. for 1.2 mi to end of paved rd. at island turnaround, thence go in northerly direction on trail rd. that terminates on a high rd. and station site. Station mark is a Corps of Engineers disk atamped "HARVESTER, AMS 1960" (Not visited by USGS in 1965)

X = 463,966.99Y = 852.078.76 STATION

DESCRIPTION PLANE COORDINATES

ELEVATION (feet)

USCAGS TRIANGULATION STATIONS

(Occupied by USGS, 1965)

GILA BUTTE

Station is located about 10.0 mi S. of Chandler, and 1.25 mi W. of State Highway 93; just N. of Glia River, and on highest southeasternmost peak of Giia Butte; cemented in drill hole in outcropping bedrock on highest point; USC&OS standard triangulation station disk stamped "GIIA BUTTE 1935"

X = 516,948.21 Y = 784,156.82

PINA BUTTE Station is located about 16.0 mi SW. of Chandler; about 1.0 mi W. of Phoenix-Maricopa Highway; 1.25 mi S. of Gila River; on eastern end of prominent butte; cemented in drill hole; USCAGS Standard triangulation station disk stamped "PIMA BUTTE 1935"

X = 468,823.66 Y = 781,072.49