

34°45'
111°30'

ARIZONA 302

Index

<u>STATION</u>	<u>PROJECT</u>
Bat (C&GS)	- - - -
✓ Lee Butte L.O.	U S F S *
Munds Mountain	- - - -
Munds Park (TT Y 5966 1A USGS)	- - - -
✓ Pine	U S F S *
✓ Stoneman USFS	U S F S *

U S F S * = Beaver Creek Topographic Project (Forest Service)

Arizona (302)

Cocconino County

MUNDS PARK

B. H. Yeakum, 1930
USC&GS, 1959 (n)

Located on a rock cliff about 15.5 mi. S. of Flagstaff, 11 mi. N. of the Cocconino and Yavapai county line, 6.5 mi. NE. of Sedona and 0.5 mi. W. of Interstate Highway 17.

To reach from the junction of U. S. Highways 66, 89 and 89A in the SW. part of Flagstaff, go S. on U. S. Highway 89A for 3.8 mi. to a crossroad at the entrance to the Flagstaff Airport, continue S. on U. S. Highway 89A for 0.8 mi. to a side rd left, turn left on graveled rd. and go southeasterly for 0.8 mi. to Interstate Highway 17, go S. on Interstate Highway 17 for 12.4 mi. to a gate on the right, here turn right passing through gate and follow the track rd. westerly for 0.5 mi. to a 12-inch pine tree with a blase on the E. side and the end of truck travel.

Station mark: Standard tablet stamped "Y 1930" cemented in solid rock ledge near edge of bluff. (Reported stamped "TTY 6866 VA USGS" by USC&GS)

ARIZONA ZONE CENTRAL

*X= 569, 316.60

Y=1,439, 648.59

*Latitude: $34^{\circ}57'24.8943''$

Longitude: $111^{\circ}41'07.1887''$

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
* Bat (C&GS)	299°57'	-	28.8

(n) = Not occupied

* = Values by USC&GS

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3/12/65 de *WLB*

Arizona (302)

Coconino County

BAT (C&GS)

1927 N.A.D.

* B.H. Yoakum, 1930
USC&GS, 1959

Book:

Described in U.S. Coast and Geodetic Survey Description List, Arizona
~~Vol. II, page 156, 24 11 4 10 36~~

* B.H. Yoakum's 1930 observations from Munds Park (stamped "TTY 1930
6866 VA USGS") have been reduced to station "BAT".

ARIZONA ZONE CENTRAL

Elevation: None

*X= 569,341.57

Y=1,439,634.28

*Latitude: 34°57'24.7522"

Longitude: 111°41'06.8891"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
House	36°42'16.73"	216°36'31.28"	84,350.19
Casner	88 12 10.47	268 01 50.30	90,161.19
Mahan	306 23 57.36	126 33 49.28	107,299.13
Lake	317 17 30.40	137 23 55.47	82,830.61
Apache Maid	334 10 19.54	154 14 59.03	93,749.08

* - Values by USC&GS

3/12/65 slh *ll*

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TRIANGULATION STATION RECORD

Station LEE BUTTE L.O. County Coconino State Arizona Quadrangle 3445-11130/15

Established by C.C. Doak Year 1963 Accuracy 3rd order Photo No. ELN-1-242

Description: The station is located approximately 7-1/2 airline miles south southwest of Mormon Lake Ranger Station.

ROUTE TO STATION: From Flagstaff go on Munds Park-Camp Verde Road southerly to Wood Spring, thence on Lee Spring Road to Lee Butte and station.

STATION MARK: A standard U.S.D.A., Forest Service bronze tablet cemented in boulder under the lookout. Tablet is stamped "LEE BUTTE LOOKOUT 1936".

REFERENCE MARKS: None.

SIGNAL: Center of U. S. Forest Service L.O.

North Amer. 1927 Datum. Latitude 34° 50' 03".934 Longitude 111° 32' 10".226

Plane Coordinates: Zone Central X = 614,178.65 Feet Y = 1,395,208.18 Feet

$\Delta\alpha = +0^\circ 13' 02".4$ Elevation 7,409.3 feet Obtained by VA

To Station	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Meters	Miles Feet
Apache Maid LO	5	55	20.3	185	54	52.2	12,158.25	39,889.20
Tell (USC&GS)	52	37	48.8	232	33	17.6	15,210.32	49,902.54
Pine	180	32	35.9	0	32	38.8	13,870.48	45,506.73
Mormon Lake LO	239	47	00.0	59	50	44.0	11,511.61	37,767.66
Hutch Mtn. LO	284	58	36.9	105	03	38.3	13,891.50	45,575.70

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Arizona (302)

Coconino County

MUNDS MOUNTAIN

1927 N.A.D. (Adj.)

B. H. Yoakum, 1930

Books: C9803-7

Located about 8 mi. by rd. and trail S. of E. from L. E. Hart's ~~store at Sedona; on southern one of two summits of about equal height,~~ and about 0.5 mi. apart; the northern one being covered with brush and scattered juniper trees.

To reach from Sedona go E. about 8 mi. to top of Schnibley Hill; take trail at first drain after reaching top and go S. along E. side of fence to top of mountain and station. (This is the only route animals can be taken to top).

Station mark: Standard tablet stamped "Y 1930", cemented in large flat rock.

Reference mark No. 1: Standard reference mark tablet cemented in rock, 18.35 ft. from station mark in azimuth $120^{\circ}27'39''$.

Reference mark No. 2: Double juniper tree 13.2 ft. from station mark in azimuth $178^{\circ}09'24''$.

ARIZONA ZONE CENTRAL

Elevation: None

X= 561,603.6

Y=1,402,281.8

Latitude: $34^{\circ}51'15.426''$

Longitude: $111^{\circ}42'40.777''$

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Squaw Peak	19°20'50.31"	199°15'16.40"	148,388.79
Cherry	48 18 43.17	228 07 34.49	131,358.62
House	54 34 00.05	234 29 08.67	52,261.67
Cottonwood	66 42 30.01	246 32 51.72	92,044.58
Westedge (C&GS)	68 37 30.33	248 21 16.42	153,106.66
Black	98 58 08.76	278 47 13.57	96,634.39
Casner	112 44 11.66	292 34 46.00	89,235.21
Mormon Lake L.O.	262 03 28.55	82 13 13.01	85,993.04
Mahan	285 36 19.60	105 47 04.40	97,802.24
Lake	290 10 03.29	110 17 21.50	68,193.22
Apache Maid	314 00 50.55	134 06 23.28	67,690.27
Buckhorn	332 23 09.73	152 29 07.97	113,494.31
Walker	351 36 58.62	171 38 26.12	88,033.98

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3-11-65 sms *alk*

TRIANGULATION STATION RECORD

Station Pine County Coconino State Arizona Quadrangle 3445-11130/15
 Established by C. C. Doak Year 1963 Accuracy 3rd order Photo No. ELN-2-37
 Electronic Traverse

Description:

No description available.

North Amer. 1927 Datum. Latitude 34° 57' 34"028 Longitude 111° 32' 05"042
 Plane Coordinates: Zone Central X = 614,437.24 Feet Y = 1,440,710.30 Feet
 $\Delta\alpha = +0^\circ 13' 07.9$ Elevation 7,974.7 feet Obtained by VA

To Station	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Meters	Miles Feet
Lee Butte LO	0	32	38.8	180	32	35.9	13,870.48	45,506.73
Apache Maid LO	3	03	23.7	183	02	52.6	26,000.18	85,302.27

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 SEP 1965

TRIANGULATION STATION RECORD

1962
 Station STONEMAN USFS County Coconino State Arizona Quadrangle 3445-11130/15
 Established by C. C. Doak Year 1963 Accuracy 3rd order Photo No. ELW 1-152
 Electronic Traverse

Description: The station is located approximately 15 airline miles east of Sedona and 16 airline miles northeast of Rimrock.

ROUTE TO STATION: To reach the station from the junction of Arizona State Highway #79 and a graded road at McGuireville, proceed northeast on graded road 1.6 miles to a "Y" fork. Take the left fork and proceed 3.0 miles to a "Y" fork. Take the left fork; proceed 2.4 miles to a cross road. Keep straight ahead on graveled road northeast for 13.9 miles to a reverse "Y" fork just after crossing a cattleguard and sign (6 Apache Maid Ranger Station). Take left fork and continue for 3 miles to large cairn and station on south side of road.

STATION MARK: Standard U. S. Forest Service bronze tablet cemented in a drill hole in a rock outcrop. Tablet is stamped "Stoneman 1962".

REFERENCE MARKS: None

North Amer. 1927 Datum. Latitude 34° 46' 11.880 Longitude 111° 31' 20.374
 Plane Coordinates: Zone Central X = 618,426.26 Feet Y = 1,371,766.03 Feet
 $\Delta\alpha = +00^\circ 13' 29.16$ Elevation 6,907.6 feet Obtained by VA

To Station	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Meters	Feet
Apache Maid LO	27	02	32.4	207	01	35.9	5,549.03	18,205.45
House	90	17	59.2	270	06	40.1	30,281.90	99,349.86
Munds Mtn.	118	27	29.2	298	21	00.8	19,659.44	64,499.36

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 SEP 1965