

34° 30'
112 00

Index

<u>Station</u>	<u>Project</u>
BM C 31	USFS*, Prescott
S Carter	- -
Cherry	Prescott
Dewey ET (Not found 1973) Found '75	Congress
Error (Inactive File) (tablet)	- -
Mineral (Inactive file) (tablet) Not found '75	- -
North Mingus	- -
Round	Prescott, <i>CORDES</i>
South Mingus (Inactive file) (tablet)	- -
West Edge (Inactive file) (tablet)	- -
Westedge (C&GS)	Prescott
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SUPPLEMENTAL

Clemenceau Stack	- -
Dome (Inactive file)	- -
Mingus Lookout (USFS)	USFS
SC 24/14N/1E	Prescott

USFS* = Beaver Creek Topographic Project (Forest Service)
 Congress Project Master in ARIZONA 238 - Book: PH 1414
 Prescott Project Master in ARIZONA 282 - Book: PH 1628
CORDES PROJECT MASTER IN ARIZONA 260 - Book: PH 1696

FILE COPY

34 112 12

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-322.3 Rev. 1968

DESCRIPTION HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 282

3rd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station BM C 31 Country Yavapai State Arizona
Established by USFS Year 1963 Project _____

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
CHERRY USGS				12°56'04.3"

Located approximately 3.7 mi SE. of Cottonwood, Arizona, on State Highway 279.

To reach from Cottonwood Post Office, proceed E. for 1.25 mi on Highway 89A to Smelter City, then proceed to an intersection of State Rd. 279, then along rd. for 1.0 mi to station, on right bank of a 10 ft cut and 73 ft W. of centerline of hwy.

Station mark: A standard USC&GS disk stamped "3482.326 C-31 1933" and set in the top of a conc. post projecting 7 inches.

USGS Unadjusted 1963 Coordinates

ARIZONA CENTRAL ZONE

X= 471680.1

Y= 1349340.0

MAPPING ANGLE=-0 3 13

ELEV 3482.326 FT

QUAD 34 112 12

BM C 31

LAT 34 42 32.201

LONG 112 0 39.234

MAR 12 1974

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 282

Triangulation Electronic - Distance Traverse Intersected Object
Station CHERRY USGS County Yavapai State Arizona
Established by USGS Year 1943 Project H 70

Check one:

New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
WESTEDGE RM 1		13.05		125°10'17.3" 49 34

Located 10 mi S. and 2 mi W. of Cottonwood; 1.5 mi N. and 0.4 mi E. of Cherry; on the divide on the west side of Verde River Valley; 11 ft N. of and 2 ft lower than highest point; at east edge of brush, and 15 ft W. of steep break E.; the mountain is limestone with a dark lava cap.

To reach from Cottonwood, drive toward Flagstaff, on U.S. Highway 89 (alternate) 2 mi; take Verde Valley Rd., right for 10.4 mi; take right fork, W., toward Cherry and Dewey for 11 mi; take right fork on hill about 225 ft below (SE. of) schoolhouse, and just below cattleguard for 0.9 mi and continue up gulch; take right fork for 0.2 mi; take left fork toward Golden Idol Mine for 0.2 mi; leave truck at last house and 200 ft NW. of hoist at Golden Idol Mine; take trail up ravine E., passing 75 ft N. of hoist, now idle; continue on trail up ravine to saddle; turn left onto graded trail on divide; take switchback inclining left, NW. on slope; follow graded trail N. and W. to highest point, about 0.6 mi and turn right to top and station; 150 ft E. of trail. (Old trail not now well maintained).

Station mark: Standard tablet stamped "CHERRY 1943", cemented in solid rock.

Reference mark No. 1: Standard reference tablet stamped "NO 1" cemented in solid rock.

USGS Adjusted 1943 Coordinates

ARIZONA CENTRAL ZONE
X= 463696.6 ELEV 6357.8 FT
Y= 1314726.8
MAPPING ANGLE=-0 4 7 QUAD 34 112 12

CHERRY USGS LAT 34 36 49.705 LONG 112 2 14.369

MAR 12 1974

FILE COPY
DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 12
DIAGRAM Prescott
USGS QUAD NO. 282

Triangulation Electronic - Distance Traverse Intersected Object
Station DEWEY ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuths
		Feet	Meters	
FAIN ET USGS				151°33'39.8"
RM 1		46.51		350 37 21
Humboldt Sm. Stack about 2 mi				0 26 27
RM 2		44.14		98 52 34

Note: The hwy. has been re-aligned in this area. The local land owner, where the mark should be says he has never seen it and was not aware it had been put in. We could find no evidence of this mark, I believe it to be destroyed.

Located about 13 mi E. of Prescott; 0.6 mi E. of Dewey; on level ground at a fence corner.

To reach from the jct. of State Highway 69 and rd. E. to Dewey, drive E. across the RR. tracks for 0.6 mi to a N.-S. fence, turn left and drive N. along the west side of the fence for 300 ft to a fence corner and station mark.

Station mark: A standard USGS tablet stamped "DEWEY ET 1969" crimped on the end of a copperweld rod that has been driven to refusal, level with the ground. ~~Not Found~~

Reference mark No. 1: A standard USGS reference mark tablet stamped "1 1969" crimped on the end of a copperweld rod that has been driven to refusal, level with the ground, and 2 ft below the station mark. ~~Not Found~~

Reference mark No. 2: A standard USGS reference mark tablet stamped "2 1969" crimped on the end of a copperweld rod that has been driven to refusal, level with the ground, and 1 ft above the station. ~~Not Found~~

Humboldt Smoke Stack: A tall masonry smelter stack about 2.0 mi from the station mark.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZONE ELEV 4582.8 FT
X= 405223.95
Y= 1284456.31
MAPPING ANGLE=-0 10 42 QUAD 34 112 12

DEWEY ET USGS LAT 34 31 49.0038 LONG 112 13 52.8567

MAR 12 1974

FILE COPY
DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 12
DIAGRAM Prescott
USGS QUAD NO. 282

3rd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station NORTH MINGUS USGS County Yavapai State Arizona
Established by USGS Year 1902 Project _____

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by USGS Year 1943 Project H 70

Object	Bearing	Distance		Azimuth
		Feet	Meters	
WESTEDGE				81°27'52.5"
RM 1		8.84		77 32
RM 2		3.94		344 32

Located on the north end of the Mingus Mesa, 3 mi S. of Jerome.

To reach from first summit from Prescott toward Jerome, take T-rd. S. and drive 1.5 mi; continue straight ahead on left (right fork to Yaeger Canyon Ranger Station) for 0.7 mi; take dim T-rd. left E. 150 ft S. of earth dam; drive 0.1 mi and take left fork; drive 0.4 mi and take right fork; drive 1 mi and take left fork; drive 0.1 mi and leave truck at point where trail crosses; turn left, N., and walk 900 ft to station, which is located 15 ft S. of N. break (rocky) and 35 ft E. of point where first switch-back of trail (leading down NE. spur) is located.

Station mark: Standard tablet stamped "5 13 1903 7721 VA" cemented in malpais. Additionally stamped "NORTH MINGUS 1943."

Reference mark No. 1: Copper nail and washer in N. branch of scrub yellow pine.

Reference mark No. 2: Copper nail and washer in northeast side of signal tree.

USGS Adjusted 1943 Coordinates

ARIZONA CENTRAL ZONE ELEV 7738.6 FT
X= 441080.6
Y= 1349439.7
MAPPING ANGLE=-0 6 42 QUAD 34 112 12

NORTH MINGUS USGS LAT 34 42 32.750 LCNG 112 6 45.775

MAR 22 1974

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34 112 12
 RECOVERY NOTE, HORIZONTAL STATION

STATE: ARIZONA 282
 COUNTY: Yavapai
 PM # 1696
 ROAD #
 YEAR

STATION NAME: ROUND USGS
 RECOVERED BY: USGS, YEAR 1974
 CASES, YEAR
 OTHER

Check item revised on add: GEOMETRIC AND PLANE COORDINATES (), ELEV. (), ALIGNMENT TO INITIAL STATION (), LONG FROM P/O (X)
 VALIDATE THE EXISTING DESCRIPTION INCLUDING MARKS FOUND AND STAMPINGS OR INDICATE CHANGES MADE.

34 112 12
 DESCRIPTION
 HORIZONTAL CONTROL STATION
 DIAGRAM Prescott
 USGS QUAD NO. 282

Electronic - Distance Traverse Intersected Object
 County Yavapai State Arizona
 Year 1943 Project H 70

3rd Order
 Triangulation
 Station ROUND USGS
 Established by USGS

Check one
 New Station
 Recovery of Old Station Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
GLASSFORD RM 1 RM 2		12.51		113°20'35.1"
		184.10		143 25 348 01 48

Recovered as described by USGS in 1973.
 All marks in good condition.
 Distance to RM 1 checked, distance to RM 2 not measured in 1974.
 Directions to RM's not observed.

New to reach follows:

From intersection of State Highway 69 and a paved road east in Dewey, drive east on paved road for 4.4 miles to a graded road on right. Turn right (S) and continue 1.1 miles to a jeep trail heading south along west side of fence. Follow jeep trail (4 wheel drive) south and west for 1.7 miles to the top and station mark.

Station found as described. All marks in good condition. New to reach follows.

Located 1.5 mi S. and 16.3 mi E. from center of Prescott; 1.6 mi S. of point where Dewey to Camp Verde Rd. crosses the divide; on the divide between Yarbo Wash and Aqua Fria Creek; on top of round hill which is the highest point in the vicinity.

To reach from the jct. of State Highway 169 and State Highway 69 in town of Dewey go E. on Highway 169 1.0 mi to T-rd., go right (S.) 0.6 mi to cattleguard, cross over cattleguard and continue on main-traveled rd. 0.4 mi to X-rd., go left on graded rd. 1.0 mi to track rd. to SE., go left on main-traveled rd. 0.2 mi where rd. enters drain, continue 0.1 mi to X-rd., go straight (E. up drain) 1.2 mi to gate (4 wheel drive recommended from this point on), pass through gate go 1.3 mi on main-traveled rd. to T-rd. in saddle, go straight (E.) 1.0 mi to T-rd. in saddle, go straight (E.) 0.8 mi to Y-rd., go left 0.5 mi to Y-rd., go left (N.) 0.3 mi to Y-rd., go left 0.2 mi to Y-rd., go right (N.) 0.4 mi to highest point on rd. and end of truck travel. Hike N. up ridge to second top and station. About a 30 minute pack.

Station mark: Standard tablet stamped "ROUND 1943" cemented in hard rock outcrop, 20 ft S. of steep N. slope; and about the same distance E. of W. break.

Reference mark No. 1: Standard reference mark tablet stamped "ROUND 1943 NO 1" cemented in outcrop.

Reference mark No. 2: Center of large, flat-topped cairn on southeast end of top (lower) across shallow saddle.

USGS Adjusted 1943 Coordinates
 ARIZONA CENTRAL ZONE
 X = 418510.3
 Y = 1280826.1
 MAPPING ANGLE = -0 9 12
 ELEV 5674.0 FT
 QUAD 34 112 12

ROUND USGS LAT 34 31 13.472 LONG 112 11 13.931

7/9/jk

AUG 14 1974

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DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 12
DIAGRAM Prescott
USGS QUAD NO. 282

1st Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station WESTEDGE Country Yavapai State Arizona

Established by C&S Year 1919 Project

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
GLASSFORD				55°39'27.5"
RM 1		50.01		19 44
RM 2		37.25		271 00

Located about 22 mi E. of Jerome Junction where the V&P Railway joins the S.F. P&P Railway, on the highest part and near the center of a rocky ridge locally known as Mount Hicky, about 2 mi N. of the lower end of Yeager Canyon, and 2.5 mi in a northerly direction from the Yeager Mine.

To reach from the post office in Jerome, Yavapai County follow State Highway 89A 7.5 mi to a rd. at the right, the entrance to the Potato Patch camping area. Turn right and travel 0.3 mi to a rd. fk. at a cattleguard; take the right fork and proceed on a rough unmaintained rd. 1.9 mi to a dim rd. fk. to the left; turn left and follow this rd. 1.0 mi to the end of truck travel. From here pack SW. to top and station. About a 1-1/2 hour pack.

Reference mark No. 1: A cross chiseled 1/2-inch into outcropping rock, about 2 ft below station mark.

Reference mark No. 2: A USGS bronze disk triangulation station mark, above which was a partly destroyed cairn, about 2 ft above our station mark.

C&GS Adjusted Coordinates

ARIZONA CENTRAL ZONE ELEV 7619.4 FT
X= 419156.81
Y= 1346192.92
MAPPING ANGLE=-0 9 11 QUAD 34 112 12

WESTEDGE LAT 34 42 0.1310 LONG 112 11 8.2870

MAR 12 1974

DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 12
DIAGRAM Prescott
USGS QUAD NO. 282

3rd Order
Triangulation Electronic - Distance Traverse Intersected Object
Station YAEGER USGS County Yavapai State Arizona
Established by USGS Year 1943 Project H 70

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
GLASSFORD USGS				75°17'56.1"

Located 13 mi E. and 3 mi N. from Prescott; 2 mi NW. of point where Grapevine Canyon emerges from W. toe of Black Hills; 0.5 mi E. of Yaeger Canyon; about 90 ft E. of State Route 179; on floor of valley.

To reach from point on U.S. Highway 89, 2 mi N. of Prescott, drive E. on State Route 69 and 8 mi and turn onto State Route 179, drive 0.55 mi and across RR.; continue N. on Route 179 for 4.1 mi to station.

Station mark: Standard tablet not stamped cemented in large boulder set in earth 90 ft E. of rd.

USGS Adjusted 1943 Coordinates

ARIZONA CENTRAL ZONE
X= 401422.1
Y= 1316826.9
MAPPING ANGLE=-0 11 10
ELEV 5037.69 FT
QUAD 34 112 12

^{AE}YEAGER USGS LAT 34 37 9.111 LONG 112 14 39.555

MAR 12 1974

FILE COPY

ARIZONA (282)

Yavapai County

CARTER

PRE-1927 N.A.D.

H. L. Baldwin, 1902

Books: 2799-2808

Described in Bulletin 216, p. 159 as follows:

"Located on the high bluff, 2.0 mi. W. of summit of Prescott and Jerome wagon rd.

"Station mark: A bronze triangulation tablet cemented in malpais rock."

*This may be Westedge (C+GS) RM 2
341121 - 1004*

PRE-1927 N.A.D.

Latitude 34°41'56.36"

Longitude 112°11'12.40"

FILE COPY

5/6/59 hme

DESCRIPTION

Supplementary Horizontal Control Station

Station CLEMENCEAU STACK County Yavapai State AZ Quad No. 282

Project H 70 Year 1943

Surveyed by checked (X) or unchecked () methods

Description:

Located at the south edge of town.

Station mark and signal: Center of standing smelter stack (brick). The smelter which belonged to United Verde has been torn down. The stack is at east edge of smelter floor.

ARIZONA CENTRAL ZONE

ELEV

X= 467333.6

Y= 1357091.8

MAPPING ANGLE=-0 3 43

QUAD 34 112 12

CLEMENCEAU STACK USG LAT 34 43 48.842 LONG 112 1 31.400

STATION	OBSERVED	DIRECTION	DISTANCE	A-O	A-O FT
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STATIONS OBSERVED BY THIRD ORDER METHODS FROM ECC INST 1943 H70

CHERRY USGS	4 50	41.1	S R	42525.1	0.5
NORTH MINGLS USGS	73 41	52.9	S R	27348.1	-37.0
PACKARD USGS	(163 31	8.9)	R	53626.2	-46.3
BLACK USGS	(178 47	59.2)	S R	60076.3	-36.9
COTTENWOOD RM 1 USGS	228 41	19.1	S R	13098.3	-21.7
MUNDS USGS	244 19	33.0	R	104552.1	2.6

MAR 18 1974

MINGUS LOOKOUT

Yavapai County

Arizona 282

E.R. Sievers, U.S.F.S., 1935

1927 N.A.D.

341121-1006

This occupied station is under the center of the U.S. Forest Service Mingus Mountain lookout tower. Located on the summit of a long flat-topped ridge known as Mingus Mountain.

To reach from Prescott take Jerome road easterly approximately 26 miles to summit, and intersection with Mingus Mtn. road; thence, take latter road south 2.5 miles to intersection with Mingus Mountain Lookout road, thence take the latter 0.5 miles to tower and station.

Signal used was the center of U.S.F.S. Lookout Tower.

Station marked by a standard U.S.F.S. tablet in large gray boulder stamped "MINGUS MTN. 1935".

FILE COPY

Latitude: 34°41'39.003"

Longitude: 112°07'37.187"

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Towers Mtn LO	23°27'11.2"	203°19'01.8"	4.745096	34.500
Union C&GS	39 25 53.0	219 16 28.0	4.602634	24.888
#Thumb Butte	65 38 22	245 25 00	4.596448	24.536
Granite C&GS	81 01 50.5	260 47 18.7	4.596829	24.557
Simmons USGS	112 10 35.3	291 55 25.9	4.641013	27.187
Bald Mtn USGS	327 23 59.0	147 30 16.2	4.498265	19.571

Not Occupied.

3-4-57 mm

7/11/6

DESCRIPTION

Supplementary Horizontal Control Station

Station SC 24/14N/1E County Yavapai State AZ Quad No. 282
 Project PH 1628 Year 1973
 Surveyed by checked (X) or unchecked () methods

Description:

Located about 15 mi (airline) E. of the city of Prescott, 5.5 mi NE. of Humboldt on the SW. slope of the hills S. of Mingus Mountain.

Station mark: A standard GLO brass cap on an iron pipe.

ARIZONA CENTRAL ZONE

X= 414118.2

Y= 1299278.6

MAPPING ANGLE=-0 9 43

ELEV

QUAD 34 112 12

SC 24/14N/1E

LAT 34 34 15.896

LONG 112 12 7.045

STATION	OBSERVED DIRECTION	DISTANCE	A-0	A-0 FT
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STATIONS OBSERVED BY THIRD ORDER METHODS

FAIN ET USGS	86 29 5.7	16376.7	-0.1	
GLASSFORD	97 7 5.0	54330.0	-0.0	
LYNX ET USGS	97 16 39.3	36050.9	-0.1	
YEAGER USGS	143 57 9.0	21661.5	-0.1	

MAR 12 1974

United States
Department of the Interior

Geological Survey
Form No. 9-322.3 Rev. 1977

Description
Horizontal Control Station

NGS Quad No. 34 112 12
USGS Quad No. 282

Station WEST EDGE USGS

Diagram PRESCOTT

County YAVAPAI

State AZ

THIRD order TRIANGULATION

Established By USGS

Year 1902

Project 2798-2808

USGS UNADJUSTED 1981 coordinates

Latitude: N34 44 58.516

Longitude: W112 10 27.623

Unverified Elevation: 7830 Feet 2387 Meters

UIM Zone 12(Meters): X: 392508.99 Y: 3845705.00

Mapping Angle: -0 40 9

AZ State Zone C(Feet): X: 422598.08 Y: 1364216.56

Mapping Angle: -0 8 49

AZ State Zone W(Feet): X: 973345.79 Y: 1367873.23

Mapping Angle: +0 53 54

Object	Bearing	Distance		Azimuth
		Feet	Meters	
MOUNT UNION USGS				29 37 48.5
RM		16.0		138 36 0

LOCATED 5 MI W. OF JEROME; NEAR HIGHEST WEST EDGE OF VOLCANIC MESA.

TO REACH NOT GIVEN.

STATION MARK: BRONZE TABLET, STAMPING UNKNOWN, SET IN SOLID ROCK.

RM: LARGE JUNIPER TREE.

FILE COPY