

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTIONS 12, 13 AND 24

AND

THE METES-AND-BOUNDS SURVEY OF THE ARAVAIPA CANYON WILDERNESS AREA,

TOWNSHIP 6 SOUTH, RANGE 17 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated January 17, 2001, approved January 17, 2001, which provided for the surveys included under Group No. 860, and assignment instructions dated January 6, 2003.

Survey commenced March 4, 2003

Survey completed March 22, 2003

INDEX DIAGRAM

TOWNSHIP 6 SOUTH RANGE 17 EAST

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T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the east boundary and a portion of the subdivisional lines and the subdivision of sections 12, 13 and 24 and the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area, Township 6 South, Range 17 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

John F. Hesse surveyed a portion of the subdivisional lines in 1905. William E. Hiester and Theodore Vander Meer surveyed the East boundary and completed the subdivisional lines in 1928 and 1929.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated January 17, 2001, for Group Number 860, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 4400 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) SALTRIVER PROJEC CORS ARP., SCOTTSDALE CORS ARP., and TUSCON CORS ARP. The NAD 83 (CORS96) (EPOCH:2002), geographic position of the 1/4 section corner of sections 11 and 12, is as follows:

Latitude: 32°55'33.00" N. Longitude: 110°34'12.47" W.

The mean magnetic declination is 11 1/2° E.

**Dependent Resurvey of a Portion of the East Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Restoring the survey executed by William E. Hiester and Theodore Vander Meer, in 1928 and 1929</p> <hr/>
	<p>Beginning at the cor. of secs. 19 and 30 only, T. 6 S., R. 18 E., on the E. bdy. of the Tp., monumented with an iron post 2 ins. diam., firmly set, projecting 14 ins. above ground, in a supporting mound of stone, 5 ft. base to top, with brass cap mkd. T6S T6S R17E R18E S19 S24 S30 1928.</p>
	<p>Add the marks 2003 to the brass cap.</p>
	<p>N. 0°05' E., on the E. bdy. of the Tp.</p>
	<p>Descending over broken terrain into Whitewash Canyon.</p>
0.44	<p>Point for AP 19, Sec. 24, identical with AP 1, sec. 19, T. 6 S., R. 18 E., on the E. bdy. of the Tp., hereinafter described.</p>
35.16	<p>Point for the 1/4 cor. of sec. 24 only, not monumented.</p> <p>from which</p> <p align="center">An iron post 1 in. diam., firmly set, projecting 16 ins. above ground, with brass cap mkd. 1/4 S24 1928, and witnessed by a mound of stone, 4 ft. base, 2 ft. high, E. of the corner, bears W., 4.2 lks. dist.</p>
	<p>Add the marks T6S R17E T6S R18E 2003 to the brass cap.</p>
39.61	<p>The witness cor. to the 1/4 sec. cor. of sec. 19 only, T. 6 S., R. 18 E., monumented with an iron post 1 in. diam., firmly set, projecting 13 ins. above ground, with brass cap mkd. WC 1/4 S19 1928 and an arrow pointing towards the true point, in a scattered mound of stone.</p>
	<p>Add the marks T6S R17E T6S R18E 2003 to the brass cap.</p>
	<p>Rebuild supporting mound of stone, 3 ft. base, 1 ft. high.</p> <hr/>
	<p>N. 0°02' W., beginning new measurement.</p>
0.46	<p>The true point for the 1/4 sec. cor. of sec. 19, T. 6 S., R. 18 E., falls on near vertical W. aspect of Whitewash Canyon.</p> <p>Ascend near vertical wall, and cross Hell's Half Acre, then begin descent into Aravaipa Creek valley.</p>

**Dependent Resurvey of a Portion of the East Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	
35.72	<p>The closing cor. of secs. 13 and 24 only, monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T6S T6S R17E R18E S13 CC S19 S24 1928, and witnessed by a mound of stone, 4 1/2 ft. base, 3 ft. high, W. of the corner.</p> <p>Add the marks 2003 to the brass cap.</p>
40.48	<p>The cor. of secs. 18 and 19 only, T. 6 S., R. 18 E., monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd. T6S T6S R17E R18E S18 S13 S19 1928, and witnessed by a mound of stone, 4 ft. base, 2 1/2 ft. high E. of the corner.</p> <p>Add the marks 2003 to the brass cap.</p> <hr/> <p>From the 1/4 sec. cor of sec. 18 only, T. 6 S., R. 18 E., on the E. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. 1/4 S18 1928.</p> <p>Add the marks T6S R17E R18E 2003 to the brass cap.</p> <p>Cor. is located on N. side of Aravaipa Creek, 320 ft. above the valley floor.</p> <p>N. 0°03' W., on the E. bdy. of the Tp.</p> <p>Across broken terrain, along W. rim of Cave Canyon.</p>
34.47	<p>The closing cor. of secs. 12 and 13 only, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above ground, in an embedded mound of stone of indeterminate base and height, with brass cap mkd. T6S T6S R17E R18E S12 CC S13 S18 1928.</p> <p>Add the marks 2003 to the brass cap.</p> <p>Cor. is located 1 lk. S. of boulder 6 1/2 ft. high, and 87 lks. W. of Cave Canyon.</p>
39.94	<p>The cor. of secs. 7 and 18 only, T. 6 S., R. 18 E., monumented with an iron post 2 ins. diam., firmly set, projecting 2 ins. above a supporting mound of stone, 4 ft. base, 2 1/2 ft. high, with brass cap mkd. T6S T6S R17E R18E S7 S12 S18 1928.</p> <p>Add the marks 2003 to the brass cap.</p> <hr/> <p>N. 0°02' W., on the E. bdy. of the Tp.</p> <p>Along both the E. and W. rims of Cave Canyon.</p>

**Dependent Resurvey of a Portion of the East Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	
33.67	<p>True point for the 1/4 sec. cor. of sec. 12 only, falls in bottom of Cave Canyon, impracticable to monument.</p> <p>From this true point, the original witness cor. for the 1/4 sec. cor. of sec. 12 only, monumented with an iron post 1 in. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. 1/4 S12 1929, and witnessed by a mound of stone, 4 ft. base, 5 ft. high, W. of the corner, bears N. 0°27' E., 1.99 chs.</p> <p>Add the marks T6S R17E R18E 2003 and an arrow towards the true point to the brass cap.</p> <p>Ascend over steep mountainous terrain.</p>
39.94	<p>The 1/4 sec. cor. of sec. 7 only, T. 6 S., R. 18 E., monumented with an iron post 1 in. diam., firmly set, projecting 4 ins. above a supporting mound of stone, 4 ft. base, 1 1/2 ft. high, with brass cap mkd. 1/4 S7 1929.</p> <p>from which the remains of the orig. bearing trees</p> <p style="padding-left: 40px;">A 6 in. diam. trunk of a juniper, 2 ft. diam., bears N. 1 1/2° E., 1.18 chs. dist., with illegible scribe marks visible on an extremely weathered blaze.</p> <p style="padding-left: 40px;">A 9 in. diam. trunk of a juniper, 2 ft. diam., bears N. 30° E., 1.24 chs. dist., mkd. S BT on an extremely weathered blaze.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°01' W., beginning new measurement.</p> <p>Descend rocky slope.</p>
14.28	<p>AP 18, sec. 7, T. 6 S., R, 18 E., set, marked and witnessed as described in the notes for T. 6 S., R. 18 E., surveyed concurrently under this same group.</p> <p>Ascend over steep ridge, and descend into shallow box canyon.</p>
34.64	<p>The closing cor. of secs. 1 and 12 only, monumented with an iron post 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. T6S R17E T6S R18E CC S1 S12 S7 1929.</p> <p>Add the marks 2003 to the brass cap.</p>
39.95	<p>The cor. of secs. 6 and 7 only, T. 6 S., R. 18 E., monumented with an iron post 2 ins. diam., firmly set, projecting 5 ins. above a supporting mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd. T6S T6S R17E R18E S6 S1 S7 1929.</p> <p>Add the marks 2003 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by
William E. Heister and Theodore Vander Meer, in 1928 and 1929

From the 1/4 sec. cor. of secs. 13 and 24, determined S. of the original mound of stone, 2 ft. base, 1 ft. high, and near an iron post, 1 in. diam., bent, loosely set, projecting 16 ins. above ground, with brass cap mkd. 1/4 S13 S24 1928, and a broken and unmarked stone of record dimensions laying loose nearby. (Record: iron post set alongside mkd. stone, mound of stone N. of cor.)

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T 6 S R 17 E
S 13
1/4
S 24

2003

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the 1928 iron post and the stone alongside.

Rebuild the accessory mound of stone 2 ft. base, 2 ft. high, N. of cor.

N. 89°49' E., bet. secs. 13 and 24.

Along southern edge of Aravaipa Creek valley.

40.28 The closing cor. of secs. 13 and 24, on the E. bdy. of the Tp., hereinbefore described.

From the 1/4 sec. cor. of secs. 12 and 13, monumented with a sandstone 12 X 10 X 6 ins., firmly set in a mound of stone, 3 1/2 ft. base, 1/2 ft. high, mkd. 1/4 on the N. face, and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, in a supporting mound of stone, 4 1/2 ft. base, 1 1/2 ft. high, with brass cap mkd.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 6 S R 17 E S 12 1/4 <u> </u> S 13 2003</p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post and incorporate mkd. stone into supporting mound of stone.</p>
	<p>N. 89°58' E., bet. secs. 12 and 13.</p>
	<p>Across rolling mesa top.</p>
19.97	<p>Point for the E. 1/16 cor. of secs. 12 and 13.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 15 ins. in the ground, in a supporting mound of stone, 3 1/2 ft. base, 1 ft. high, with brass cap mkd.</p>
	<p style="text-align: center;">T6S R17E S 12 E 1/16 <u> </u> S 13 2003</p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
	<p>Descend vertical wall from top of mesa, bears N. 50° E. and S. 50° W.</p>
40.20	<p>The closing cor. of secs. 12 and 13, on the E. bdy. of the Tp., hereinbefore described.</p> <hr/>
	<p>From the 1/4 sec. cor. of secs. 1 and 12, monumented with an iron post 1 in. diam., firmly set, in mound of stone, 5 ft. base, 2 1/2 ft. high, with brass cap mkd. 1/4 S1 S12 1929.</p>
	<p>Add the marks T6S R17E 2003 to the brass cap.</p>
	<p>N. 89°53' E., bet. secs. 1 and 12.</p>
	<p>Descend into shallow box canyon, across rolling terrain, broken by the tributaries for Cave Canyon.</p>
40.01	<p>The closing cor. of secs. 1 and 12, on the E. bdy. of the Tp., hereinbefore described.</p> <hr/>

Subdivision of Section 12
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 12 and 13.</p> <p>N. 0°06' E., on the N. and S. center line of section 12.</p> <p>Over rolling terrain.</p>
39.56	Point for the center 1/4 sec. cor. of sec. 12, at intersection with the E. and W. center line of sec. 12., not monumented.
80.00	The 1/4 sec. cor. of secs. 1 and 12.
	<hr/> <p>From the true point for the 1/4 sec. cor. of sec. 12 only, on the E. bdy. of the Tp.</p> <p>N. 89°26' W., on the E. and W. center line of sec. 12.</p> <p>Ascend out of Cave Canyon over rolling terrain.</p>
20.11	<p>Point for the center E. 1/16 sec. cor. of sec. 12.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 11 ins. in the ground, in a supporting mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T6S R17E E 1/16 C — C S 12 2003</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
40.10	Point for the center 1/4 sec. cor. of sec. 12.
80.03	<p>The 1/4 sec. cor. of secs. 11 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 32 in. above the ground, in a supporting mound of stone, 4 1/2 ft. base, 2 1/2 ft. high, with brass cap mkd. 1/4 S12 S11 1928.</p> <p>Add the marks T6S R17E 2003 to the brass cap.</p> <hr/> <p>From the E. 1/16 sec. cor. of secs. 12 and 13.</p> <p>N. 0°08' E., on the N. and S. center line of the SE 1/4 of sec. 12.</p>
39.35	The center E. 1/16 sec. cor. of sec. 12.

Subdivision of Section 13
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 13 and 24.</p> <p>N. 0°02' E., on the N. and S. center line of sec. 13.</p> <p>Descend into Aravaipa Creek valley.</p>
11.83	<p>Point selected for an administrative witness point on the Aravaipa Canyon Wilderness bdy.</p> <p>Set an aluminum rod, 6 ins. long, 3/4 ins. diam., in a drill hole, 5 ins. into granite boulder 4 X 3 X 2 ft., with aluminum cap mkd.</p> <p style="text-align: center;">WP T6S R17E C S 13 ACWA C</p> <p style="text-align: center;">2003</p>
	<p>Point located on eroded left bank of Aravaipa Creek.</p>
14.24	<p>Midstream Aravaipa Creek, course S. 30° W.</p>
28.27	<p>Point selected for an administrative witness point on the Aravaipa Canyon Wilderness bdy.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 35 ins. in the ground, in a mound of stone 3 ft. base to top, with aluminum cap mkd.</p> <p style="text-align: center;">WP T6S R17E C S 13 ACWA C</p> <p style="text-align: center;">2003</p>
	<p>Point falls on NW edge of pasture.</p> <p>Ascend out of Aravaipa Creek valley over mountainous terrain.</p>
79.40	<p>The 1/4 sec. cor. of secs. 12 and 13.</p> <hr/>

**Subdivision of Section 24
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS

From the 1/4 sec. cor. of sec. 24 only, on the S. bdy. of the sec., monumented with a granite stone, 14 X 10 X 5 ins., firmly set, projecting 8 ins. above ground, mkd. 1/4 on N. face, witnessed by an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, with brass cap mkd. 1/4 S24 1928, S. of the cor., with an embedded mound of stone N. of the cor.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, with brass cap mkd.

T 6 S R 17 E

1/4 S24

2003

Deposit a magnet, in a white plastic case, at the base of the stainless steel post and bury the mkd. stone and the iron post alongside.

Incorporate original accessory mound of stone into supporting mound of stone, 6 ft. base, 1 1/2 ft. high.

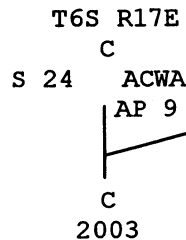
Cor. is located on steep W. aspect of ridge, rising S. 15° E.

N. 0°52' E., on the N. and S. center line sec. 24.

Over rugged terrain along southern edge of Aravaipa Creek valley.

23.90 Point for AP 9, sec. 24.

Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 37 ins. in the ground, to refusal, in a mound of stone 2 ft. base to top, with aluminum cap mkd.



36.84 Point for AP 8, sec. 24.

Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 38 ins. in the ground, to refusal, in a mound of stone, 2 ft. base to top, with aluminum cap mkd.

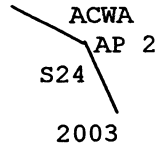
**Subdivision of Section 24
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	<div style="text-align: center; margin-bottom: 20px;"> <p>T6S R17E</p> <p>C</p> <p>2003</p> </div> <p>53.84 Point for AP 1, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 37 ins. in the ground, to refusal, in a mound of stone, 3 ft. base to top, with aluminum cap mkd.</p> <div style="text-align: center; margin-bottom: 20px;"> <p>T6S R17E</p> <p>C</p> <p>2003</p> </div> <p>80.44 The 1/4 sec. cor. of secs. 13 and 24.</p> <hr/> <p align="center">Metes-and-Bounds Survey of the Aravaipa Canyon Wilderness Area Boundary, T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p align="center">In Section 24</p> <hr/> <p>Note: AP 1 through AP 19 in sec. 24, are offset approximately 50 lks. northerly, southerly and or easterly of a dirt road excluding the road from the wilderness area. The road is about 9 ft. wide, un-maintained with limited access, and generally rises from the Aravaipa Creek valley following the contours of the terrain to the top of the mesa.</p> <hr/> <p>From AP 1, on the N. and S. center line of sec. 24, hereinbefore described.</p> <p>S. 69°29' E., on line 1-2, sec. 24.</p> <p>5.73 Point for AP 2, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 41 ins. in the ground, to refusal, with aluminum cap mkd.</p>
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**Metes-and-Bounds Survey of the Aravaipa Canyon
Wilderness Area Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS

T 6 S R 17 E



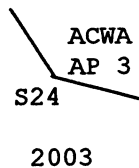
Raise mound of stone 3 ft. base, 2 ft. high, W. of the cor.

S. 23°08' E., on line 2-3, sec. 24.

2.84 Point for AP 3, sec. 24.

Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 37 ins. in the ground, to refusal, in a mound of stone, 2 1/2 ft. base, to top, with aluminum cap mkd.

T 6 S R 17 E

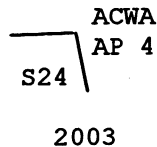


S. 83°00' E., on line 3-4, sec. 24.

3.94 Point for AP 4, sec. 24.

Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 38 ins. in the ground, to refusal, with aluminum cap mkd.

T 6 S R 17 E



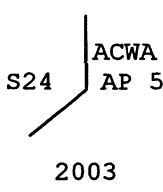
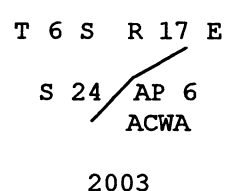
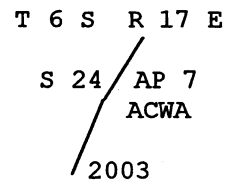
Raise mound of stone 3 ft. base, 2 ft. high, S. of the cor.

S. 1°17' W., on line 4-5, sec. 24.

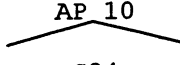

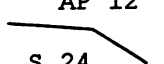
2.94 Point for AP 5, sec. 24.

Set an aluminum drive rod, 114 ins. long, 3/4 ins. diam., 108 ins. in the ground, to refusal, in a mound of stone, 3 ft. base to top, with aluminum cap mkd.

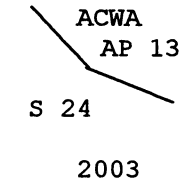
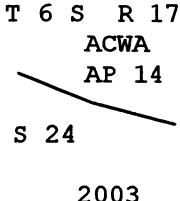
Metes-and-Bounds Survey of the Aravaipa Canyon
 Wilderness Area Boundary,
 T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	<div style="text-align: center; margin-bottom: 20px;"> <p>T 6 S R 17 E</p>  <p>2003</p> </div> <hr style="width: 30%; margin: 0 auto;"/> <p>S. 62°12' W., on line 5-6, sec. 24.</p> <p>5.26 Point for AP 6, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 39 ins. in the ground, to refusal, with aluminum cap mkd.</p> <div style="text-align: center; margin-bottom: 20px;"> <p>T 6 S R 17 E</p>  <p>2003</p> </div> <p>Raise mound of stone, 3 ft. base, 2 ft. high N. of the cor.</p> <hr style="width: 30%; margin: 0 auto;"/> <p>S. 47°55' W., on line 6-7, sec. 24.</p> <p>5.57 Point for AP 7, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 37 ins. in the ground, to refusal, with aluminum cap mkd.</p> <div style="text-align: center; margin-bottom: 20px;"> <p>T 6 S R 17 E</p>  <p>2003</p> </div> <p>Raise mound of stone 2 ft. base, 2 ft. high W. of the cor.</p> <hr style="width: 30%; margin: 0 auto;"/> <p>S. 32°59' W., on line 7-8, sec. 24.</p> <p>3.31 AP 8, sec. 24, on the N. and S. center line of sec. 24, hereinbefore described.</p> <hr style="width: 30%; margin: 0 auto;"/> <p>From AP 9, sec. 24, on the N. and S. center line of sec. 24, hereinbefore described.</p>
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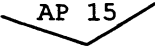
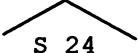
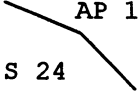
**Metes-and-Bounds Survey of the Aravaipa Canyon
Wilderness Area Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	
1.96	<p>N. 71°14' E., on line 9-10, sec. 24.</p> <p>Point for AP 10, sec 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 34 ins. in the ground, to refusal, in a mound of stone, 3 ft. base to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 17 E</p> <p>ACWA</p> <p>AP 10</p>  <p>S24</p> <p>2003</p> </div> <p>Cor. is located 1 lk. S. of fence, bearing S. 79° E., and N. 70° W.</p> <hr style="width: 30%; margin: 10px auto;"/>
5.45	<p>S. 56°56' E., on line 10-11, sec. 24.</p> <p>Point for AP 11, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 40 ins. in the ground, to refusal, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 17 E</p> <p>ACWA</p> <p>AP 11</p>  <p>S 24</p> <p>2003</p> </div> <p>Raise mound of stone, 2 ft. base, 3 1/2 ft. high, S. of the cor.</p> <hr style="width: 30%; margin: 10px auto;"/>
4.90	<p>S. 88°36' E., on line 11-12, sec. 24.</p> <p>Point for AP 12, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 39 ins. in the ground, to refusal, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 17 E</p> <p>ACWA</p> <p>AP 12</p>  <p>S 24</p> <p>2003</p> </div>

**Metes-and-Bounds Survey of the Aravaipa Canyon
Wilderness Area Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	
5.89	<p>Raise mound of stone, 2 ft. base, 2 ft. high, S. of the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 50°18' E., on line 12-13, sec. 24.</p> <p>Point for AP 13, sec. 24.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 40 ins. in the ground, to refusal, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 17 E</p>  </div> <p>Raise mound of stone, 2 ft. base, 2 ft. high, S. of the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 45°52' E., on line 13-14, sec. 24.</p> <p>Point for AP 14, sec. 24.</p> <p>Set an aluminum drive rod, 6 ins. long, 3/4 ins. diam., in a drill hole, 5 ins. into granite boulder, 2 X 2 X 1 1/2 ft., with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 17 E</p>  </div> <p>Raise mound of stone, 3 ft. base, 3 1/2 ft. high, SW. of the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 77°17' E., on line 14-15, sec. 24.</p> <p>Point for AP 15, sec. 24.</p> <p>Set an aluminum drive rod, 6 ins. long, 3/4 ins. diam., in a drill hole, 5 ins. into exposed rock surface, with aluminum cap mkd.</p>

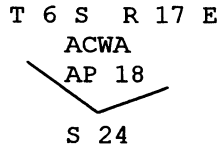
**Metes-and-Bounds Survey of the Aravaipa Canyon
Wilderness Area Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>T 6 S R 17 E ACWA AP 15  S 24 2003</p>
	<p>Raise mound of stone, 2 1/2 ft. base, 2 1/2 ft. high, S. of the cor.</p> <hr style="width: 30%; margin: 10px auto;"/>
	<p>N. 60°03' E., on line 15-16, sec. 24.</p>
2.87	<p>Point for AP 16, sec. 24.</p> <p>Set an aluminum drive rod, 6 ins. long, 3/4 ins. diam., in a drill hole, 5 ins. into granite boulder, 3 X 3 X 1 ft., with aluminum cap mkd.</p>
	<p>T 6 S R 17 E ACWA AP 16  S 24 2003</p>
	<p>Raise mound of stone, 3 ft. base, 2 ft. high, S. of the cor.</p> <hr style="width: 30%; margin: 10px auto;"/>
	<p>S. 52°27' E., on line 16-17, sec. 24.</p>
7.87	<p>Point for AP 17, sec. 24.</p> <p>Set an aluminum drive rod, 29 ins. long, 3/4 ins. diam., 24 ins. in the ground, to refusal, in a mound of stone, 2 ft. base to top, with aluminum cap mkd.</p>
	<p>T 6 S R 17 E ACWA AP 17  S 24 2003</p>
	<p>S. 41°48' E., on line 17-18, sec. 24.</p>
5.40	<p>Point for AP 18, sec. 24.</p>

**Metes-and-Bounds Survey of the Aravaipa Canyon
Wilderness Area Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

CHAINS

Set an aluminum drive rod, 6 ins. long, 3/4 ins. diam., in a drill hole, 5 ins. into exposed, conglomerate rock surface, with aluminum cap mkd.



2003

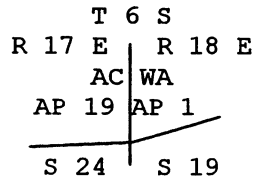
Raise mound of stone, 2 1/2 ft. base, 2 ft. high, SW. of the cor.

N. 80°08' E., on line 18-19, sec. 24.

4.17

Point for AP 19 sec. 24, on the E. bdy. of the Tp., identical with AP 1, Sec. 19, T. 6 S., R. 18 E.

Set an aluminum drive rod, 42 ins. long, 3/4 ins. diam., 38 ins. in the ground, to refusal, with aluminum cap mkd.



2003

From this point, the cor. of secs. 19 and 30, T. 6 S., R. 18 E. only, on the E. bdy. of the Tp., bears S. 0°05' W., 44 lks. dist., hereinbefore described.

GENERAL DESCRIPTION

This survey is located near the western trailhead for the Aravaipa Canyon Wilderness Area, approximately ten miles, as the crow flies, east of the community of Dudleyville Arizona; near the southwestern side of the San Carlos Indian Reservation. Access is off of Arizona State Highway 77, on Aravaipa Canyon road. Parts of the wilderness boundary are defined by a series of unimproved dirt roads, access to these roads is controlled by the San Carlos Indian Tribe, the Nature Conservancy and the Trails End Ranch (Wagner Ranch).

T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS

Elevations range from about 3400 ft. on the northern side, down to 2700 ft. in the Aravaipa Creek bottom, and up to 3500 ft. on the southern side. Aravaipa creek is a perennial water source, providing sustenance to the biotic communities. Vegetation is a complex mix of grasslands, chaparral, Sonoran Desertscrub, Sinoloan thornscrub, and riparian scrub, depending on slope aspect and elevation. The grassland and chaparral areas have been invaded by prickly pear cactus and mesquite trees, evidence of sustained over-grazing. The lush growth along the creek is in stark contrast with the comparatively sparse areas above the canyon. A large variety of animal life was also observed, including: coues deer, coatimondi and bighorn sheep. The array of plant and wildlife makes this one of the most beautiful areas in Arizona.

The mean magnetic declination of $11 \frac{1}{2}^{\circ}$ E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v4.0, utilizing the International Geomagnetic Reference Field model for years 2000 through 2005, for the dates of survey.

**Description of the Aravaipa Canyon Wilderness Area Bdy.,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona**

The following is for informational purposes only.

Beginning at the true point for the $\frac{1}{4}$ sec. cor. of sec. 12, T.6 S., R. 17 E. only, on the E. bdy. of the Tp.

thence N. $89^{\circ}26'$ W., 20.11 chs. dist., on the E. and W. center line of sec. 12, to the center E. $\frac{1}{16}$ sec. cor. of sec. 12;

thence S. $0^{\circ}08'$ W., 39.35 chs. dist., on the N. and S. center line of the SE $\frac{1}{4}$ of sec. 12, to the E. $\frac{1}{16}$ sec. cor. of secs. 12 and 13;

thence S. $89^{\circ}58'$ W., 19.97 chs. dist., on the line bet. secs. 12 and 13, to the $\frac{1}{4}$ sec. cor. of secs. 12 and 13;

thence S. $0^{\circ}02'$ W., 79.40 chs. dist., on the N. and S. center line of sec. 13, to the $\frac{1}{4}$ sec. cor. of secs. 13 and 24;

thence S. $0^{\circ}52'$ W., 26.60 chs. dist., on the N. and S. center line of sec. 24, to Angle Point 1, sec. 24;

thence S. $69^{\circ}29'$ E., 5.73 chs. dist., to Angle Point 2, sec. 24;

thence S. $23^{\circ}08'$ E., 2.84 chs. dist., to Angle Point 3, sec. 24;

thence S. $83^{\circ}00'$ E., 3.94 chs. dist., to Angle Point 4, sec. 24;

thence S. $1^{\circ}17'$ W., 2.94 chs. dist., to Angle Point 5, sec. 24;

T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS

thence S. 62°12' W., 5.26 chs. dist., to Angle Point 6, sec. 24;
 thence S. 47°55' W., 5.57 chs. dist., to Angle Point 7, sec. 24;
 thence S. 32°59' W., 3.31 chs. dist., to Angle Point 8, sec. 24;
 thence S. 0°52' W., 12.94 chs. dist., on the N. and S. center
 line of sec. 24, to Angle Point 9, sec. 24;

thence N. 71°14' E., 1.96 chs. dist., to Angle Point 10, sec. 24;
 thence S. 56°56' E., 5.45 chs. dist., to Angle Point 11, sec. 24;
 thence S. 88°36' E., 4.90 chs. dist., to Angle Point 12, sec. 24;
 thence S. 50°18' E., 5.89 chs. dist., to Angle Point 13, sec. 24;
 thence S. 45°52' E., 6.24 chs. dist., to Angle Point 14, sec. 24;
 thence S. 77°17' E., 4.45 chs. dist., to Angle Point 15, sec. 24;
 thence N. 60°03' E., 2.87 chs. dist., to Angle Point 16, sec. 24;
 thence S. 52°27' E., 7.87 chs. dist., to Angle Point 17, sec. 24;
 thence S. 41°48' E., 5.40 chs. dist., to Angle Point 18, sec. 24;
 thence N. 80°08' E., 4.17 chs. dist., to Angle Point 19, sec. 24
 identical with Angle Point 1, Sec. 19, T. 6 S., R. 18 E.,
 on the E. bdy. of the Tp.

