

ORIGINAL

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

FIELD NOTES
OF THE
METES-AND BOUNDS SURVEY
OF THE
ARAVAIPA CANYON WILDERNESS AREA BOUNDARY
IN
TOWNSHIP 7 SOUTH, RANGE 19 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA

EXECUTED BY

Gordon R. Bubel, 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 17, 2001.

Survey commenced May 7, 2001

Survey completed May 8, 2001

INDEX DIAGRAM

TOWNSHIP 7 SOUTH RANGE 19 EAST

6	5	4	3	2	1
7	8	9	10	11	12
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Metes-and-Bounds Survey of ACWA. Pages 1-5

T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area Boundary, T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona.

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

In 1924, Glenn F. Sawyer & Theodore Vander Meer surveyed the west boundary and a portion of the north boundary. In 1933, Charles E. Hunter surveyed a portion of the subdivisional lines.

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 No. 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 second order U. S. Coast and Geodetic Survey control station DEER 1946, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the cor. of secs. 1 and 12 only, T. 7 S., R. 18 E., on the W. bdy. of the Tp., is as follows:

Latitude: 32° 50' 45.54" N. Longitude: 110° 26' 54.68" W.

The mean magnetic declination is 11½° E.

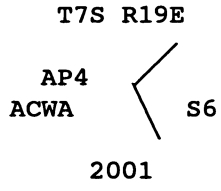
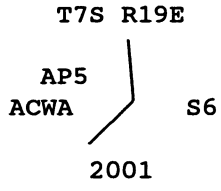
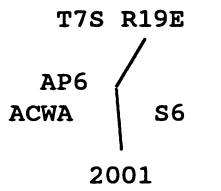
Metes-and-Bounds Survey of the Aravaipa Canyon Wilderness Area Bdy., T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona

From AP 1, sec. 6, identical with AP 38, T. 7 S., R. 18 E., on the W. bdy. of the Tp., monumented with an aluminum drive rod, ¾ in. diam., firmly set, projecting 15 ins. above ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. T7S R18E R19E ACWA AP38 AP1 S1 S6 2001, as described in the field notes of the dependent resurvey of a portion of the E. bdy., T. 7 S., R. 18 E., executed concurrently under this same group.

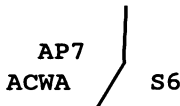
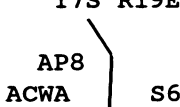
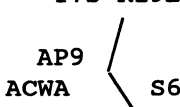
Metes-and-Bounds Survey of the Aravaipa Canyon Wilderness Area
Bdy., T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this point, the 1/4 sec. cor. of sec. 1 only, T. 7 S., R. 18 E., bears N. 0°12' E., 9.14 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 36 ins. above the ground, in a supporting mound of stone, 6 ft. base, to top, with brass cap mkd. T7S R18E R19E 1/4 S1 2001 1924, as described in the field notes of the dependent resurvey of a portion of the E. bdy., T. 7 S., R. 18 E., executed concurrently under this same group.</p> <p>Note: All AP's in sec. 1, are offset approximately 50 lks. westerly of a bladed road, excluding the road from the wilderness area.</p>
8.48	<p>N. 28°10' E., on line 1-2, sec. 6.</p> <p>Over mountainous land.</p> <p>Point for AP 2, sec. 6.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 19 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div data-bbox="868 997 1015 1144" style="text-align: center;"> <p>T7S R19E ACWA AP2 S6 2001</p> </div>
5.26	<p>N. 48°37' E., on line 2-3, sec. 6.</p> <p>Over mountainous land.</p> <p>Point for AP 3, sec. 6.</p> <p>Set an aluminum drive rod, 26 ins. long, 3/4 in. diam., 13 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <div data-bbox="820 1522 1015 1711" style="text-align: center;"> <p>T7S R19E ACWA AP3 S6 2001</p> </div>
	<p>N. 21°58' W., on line 3-4, sec. 6.</p> <p>Over mountainous land.</p>

**Metes-and-Bounds Survey of the Aravaipa Canyon Wilderness Area
Bdy., T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
9.80	<p>Point for AP 4, sec. 6.</p> <p>Set an aluminum drive rod, 26 ins. long, $\frac{3}{4}$ in. diam., 13 ins. in the ground, to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T7S R19E</p>  <p>2001</p> </div> <hr/> <p>N. $42^{\circ}31'$ E., on line 4-5, sec. 6.</p> <p>Over mountainous land.</p>
4.77	<p>Point for AP 5, sec. 6.</p> <p>Set an aluminum drive rod, 36 ins. long, $\frac{3}{4}$ in. diam., 23 ins. in the ground, to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T7S R19E</p>  <p>2001</p> </div> <hr/> <p>N. $2^{\circ}55'$ W., on line 5-6, sec. 6.</p> <p>Over mountainous land.</p>
12.30	<p>Point for AP 6, sec. 6.</p> <p>Set an aluminum drive rod, 36 ins. long, $\frac{3}{4}$ in. diam., 14 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T7S R19E</p>  <p>2001</p> </div> <hr/> <p>N. $27^{\circ}27'$ E., on line 6-7, sec. 6.</p>

Metes-and-Bounds Survey of the Aravaipa Canyon Wilderness Area
Bdy., T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
4.60	<p>Over mountainous land.</p> <p>Point for AP 7, sec. 6.</p> <p>Set an aluminum drive rod, 27 ins. long, $\frac{3}{8}$ in. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T7S R19E</p>  <p>AP7 ACWA S6</p> <p>2001</p> <hr/> </div> <p>N. 1°42' E., on line 7-8, sec. 6.</p> <p>Over mountainous land.</p>
6.83	<p>Point for AP 8, sec. 6.</p> <p>Set an aluminum drive rod, 26 ins. long, $\frac{3}{8}$ in. diam., 12 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T7S R19E</p>  <p>AP8 ACWA S6</p> <p>2001</p> <hr/> </div> <p>N. 33°00' W., on line 8-9, sec. 6.</p> <p>Over mountainous land.</p>
4.60	<p>Point for AP 9, sec. 6.</p> <p>Set an aluminum drive rod, 36 ins. long, $\frac{3}{8}$ in. diam., 19 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T7S R19E</p>  <p>AP9 ACWA S6</p> <p>2001</p> <hr/> </div>

**Metes-and-Bounds Survey of the Aravaipa Canyon Wilderness Area
Bdy., T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>N. 13°51' E., on line 9-10, sec. 6.</p> <p>Slight descent.</p>
4.63	<p>AP 10, sec. 6, identical with AP 1, sec. 31, T. 6 S., R. 19 E., on the N. bdy. of the Tp., monumented with an aluminum drive rod, 3/8 in. diam., firmly set, projecting 23 ins. above the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. T6S R19E ACWA AP1 S31 AP10 S6 T7S R19E 2001, as described in the field notes of the dependent resurvey of a portion of the S. bdy., T. 6 S., R. 19 E., executed concurrently under this same group.</p> <p>From this point, the cor. of Tps. 6 and 7 S., Rs. 18 and 19 E., bears N. 89°57' W., 7.63 chs. dist., monumented with an iron post, 3 ins. diam., firmly set, projecting 30 ins. above the ground, in a mound of stone, 5 ft. base, 2 ft. high, with brass cap mkd. T6S R18E S36 S31 R19E S1 S6 T7S 2001 1924, as described and witnessed in the field notes of the dependent resurvey of a portion of the S. bdy., T. 6 S., R. 19 E., executed concurrently under this same group.</p>
	<hr/> <p>GENERAL DESCRIPTION</p> <hr/>
	<p>The area embraced by this survey lies in the foothills of the Galiuro Mountains, approximately 8 miles northwest of the community of Klondyke, Arizona. The land is mountainous, broken and rolling. Juniper, cat claw and prickly pear are the predominant vegetation. Elevations range from 4000 to 4200 ft. above sea level. Access is provided by Klondyke Road and a track road in Turkey Creek Canyon.</p> <p>The mean magnetic declination of 11½° E., was derived from the United States Geological Survey computer program GEOMAGIX, utilizing the Regional Magnetic Field Model for Epoch 2000 for the dates of survey.</p>
	<hr/> <p>Description of the Aravaipa Canyon Wilderness Area Bdy. T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p>The following is for informational purposes only.</p> <hr style="width: 20%; margin: auto;"/>
	<p>Beginning at Angle Point 1, sec. 6, identical with Angle Point 38, sec. 1, T. 7 S., R. 18 E., on the W. bdy. of the Tp.</p> <p>thence N. 28° 10' E., 8.48 chs. dist., to Angle Point 2, sec. 6; thence N. 48°37' E., 5.26 chs. dist., to Angle Point 3, sec. 6;</p>

T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

thence N. 21°58' W., 9.80 chs. dist., to Angle Point 4, sec. 6;
thence N. 42°31' E., 4.77 chs. dist., to Angle Point 5, sec. 6;
thence N. 2°55' W., 12.30 chs. dist., to Angle Point 6, sec. 6;
thence N. 27°27' E., 4.60 chs. dist., to Angle Point 7, sec. 6;
thence N. 1°42' E., 6.83 chs. dist., to Angle Point 8, sec. 6;
thence N. 33°00' W., 4.60 chs. dist., to Angle Point 9, sec. 6;
thence N. 13°51' E., 4.63 chs. dist., to Angle Point 10, sec. 6,
identical with Angle Point 1, sec. 31, T. 6 S., R. 19 E., on
the N. bdy. of the Tp.

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 17th day of January, 2001, I have executed a metes-and-bounds survey of the Aravaipa Canyon Wilderness Area Boundary, in T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

NOV. 21, 2002
(Date)

Gordon R. Bubel
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area Boundary, T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

February 10, 2003
(Date)

Lenny A. Lawmkan
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 7 S., R. 19 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

~~_____~~
~~(Chief Cadastral Surveyor of Arizona)~~