

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

COMPOSITE FIELD NOTES  
OF THE  
SURVEY OF THE

---

LEGAL DESCRIPTIVE BOUNDARY

---

OF THE

---

SOUTH MARICOPA MOUNTAINS WILDERNESS AREA

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IN

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TOWNSHIPS 5 SOUTH, RANGES 1, 2 AND 3 WEST, AND 1 EAST,

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TOWNSHIPS 6 SOUTH, RANGES 1 AND 2 WEST, AND 1 EAST,

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AND

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TOWNSHIP 7 SOUTH, RANGE 1 WEST

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Of the Gila and Salt River Meridian,  
In the State of Arizona

EXECUTED BY

Robert C. Umbanhowar, Cadastral Surveyor

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Under Special Instructions dated November 8, 1993, approved November 8, 1993, which provided for the surveys included under Group Number 764, and assignment instructions dated November 8, 1993.

Survey Commenced November 15, 1993

Survey Completed May 12, 1994

Tps. 5 S., Rs. 1, 2, and 3 W., and 1 E.,  
Tps. 6 S., Rs. 1 and 2 W., and 1 E., and T. 7 S., R. 1 W.,  
Gila and Salt River Meridian, Arizona

CHAINS	<p>The approval of these composite field notes and the acceptance of the plat, in eleven sheets, will constitute the legal description and map of the South Maricopa Mountains Wilderness Area Boundary, as required by <u>Public Law 101-628, "Arizona Desert Wilderness Act of 1990", TITLE 1, SEC. 101. (c).</u></p> <p>This survey was executed in compliance with the provisions as set forth in <u>Public Law 101-628, "Arizona Desert Wilderness Act of 1990"</u>.</p> <p>These field notes are a composite of the approved surveys executed in the individual townships. They describe the survey of the descriptive boundary of the South Maricopa Mountains Wilderness Area Boundary in Townships 5 South, Ranges 1, 2, and 3 West, and 1 East, Townships 6 South, Ranges 1 and 2 West, and 1 East, and Township 7 South, Range 1 West, Gila and Salt River Meridian, Arizona.</p> <p>For detailed information regarding the survey history of the townships, refer to the approved field notes of the individual townships.</p> <p>The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions, 1973</u>, and the Special Instructions dated November 8, 1993, for Group No. 764, Arizona.</p> <p>For detailed information regarding monumentation and topography, the field note record for that particular township should be consulted.</p> <p>The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Pentax PTS-11105 and a Nikon NTD-4 total station instruments.</p> <p>The geographic position of the corner of Townships 6 and 7 South, Range 1 East and Range 1 West, on the South Maricopa Mountains Wilderness Area Boundary, was determined by the technique of static differential positioning using Ashtech models M-XII and MS-XII geodetic units. U.S. Coast and Geodetic Survey triangulation stations "OCO 1936" and "BIG 1960" were used as the control stations.</p> <p>Latitude: 32°51'17.708" N. Longitude: 112°18'20.245" W. NAD27</p> <p>The mean magnetic declination is 13° E.</p>
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Survey of the Descriptive Boundary of the South Maricopa Mountains Wilderness Area, Tps. 5 S. Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W., and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

## CHAINS

In Township 5 South, Range 2 West

Beginning at the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp.

- thence N. 89°59' W., 40.02 chs. dist. bet. secs. 13 and 24, to the 1/4 sec. cor. of secs. 13 and 24;
- thence N. 89°59' W., 40.02 chs. dist. bet. secs. 13 and 24, to the cor. of secs. 13, 14, 23 and 24;
- thence N. 89°58' W., 40.01 chs. dist. bet. secs. 14 and 23, to the 1/4 sec. cor. of secs. 14 and 23;
- thence N. 89°58' W., 39.98 chs. dist. bet. secs. 14 and 23, to the cor. of secs. 14, 15, 22 and 23;
- thence N. 89°58' W., 39.98 chs. dist. bet. secs. 15 and 22, to the 1/4 sec. cor. of secs. 15 and 22;
- thence N. 89°57' W., 39.99 chs. dist. bet. secs. 15 and 22, to the cor. of secs. 15, 16, 21 and 22;
- thence S. 89°54' W., 39.98 chs. dist. bet. secs. 16 and 21, to the 1/4 sec. cor. of secs. 16 and 21;
- thence S. 89°54' W., 40.01 chs. dist. bet. secs. 16 and 21, to the cor. of secs. 16, 17, 20 and 21;
- thence S. 0°01' W., 20.09 chs. dist. bet. secs. 20 and 21, to the N 1/16 sec. cor. of secs. 20 and 21;
- thence N. 89°58' W., 39.96 chs. dist. on the E. and W. centerline of the NE 1/4 of sec. 20, to the center N 1/16 sec. cor. of sec. 20;
- thence N. 89°58' W., 39.97 chs. dist. on the E. and W. centerline of the NW 1/4 of sec. 20, to the N 1/16 sec. cor. of secs. 19 and 20;
- thence N. 89°59' W., 40.00 chs. dist. on the E. and W. centerline of the NE 1/4 of sec. 19, to the center N 1/16 sec. cor. of sec. 19;
- thence N. 89°59' W., 39.96 chs. dist. on the E. and W. centerline of the NW 1/4 of sec. 19, to the N 1/16 sec. cor. of secs. 19 and 24, identical with AP 1, T. 5 S., R. 3 W., on the W. bdy. of the Tp.

In Township 5 South, Range 3 West

From Angle Point 1, identical with the N. 1/16 sec. cor. of secs. 19 and 24, on the E. bdy. of the Tp.

- thence N. 89°59' W., 13.47 chs. dist., to Angle Point 2;
- thence S. 69°34' W., 7.48 chs. dist., to Angle Point 3;
- thence S. 3°11' W., 7.41 chs. dist., to Angle Point 4;
- thence S. 31°47' E., 3.51 chs. dist., to Angle Point 5;
- thence S. 4°18' W., 5.56 chs. dist., to Angle Point 6;
- thence S. 46°01' E., 8.56 chs. dist., to Angle Point 7;

Survey of the Descriptive Boundary of the South Maricopa Mountains Wilderness Area, Tps. 5 S. Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W., and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>thence S. 21°17' E., 2.62 chs. dist., to Angle Point 8;  thence S. 9°17' E., 4.33 chs. dist., to Angle Point 9;  thence S. 41°53' E., 5.32 chs. dist., to Angle Point 10;  thence S. 58°28' E., 6.19 chs. dist., to Angle Point 11;  thence N. 67°24' E., 3.05 chs. dist., to Angle Point 12; on  the line bet. secs. 19 and 24, on the E. bdy. of the Tp.;  thence S. 0°02' W., 22.80 chs. dist. bet. secs. 19 and 24, to  the cor. of secs. 19, 24, 25 and 30;  thence S. 0°01' W., 40.02 chs. dist. bet. secs. 25 and 30, to  the 1/4 sec. cor. of secs. 25 and 30;  thence S. 0°01' W., 40.00 chs. dist. bet. secs. 25 and 30, to  the cor. of secs. 25, 30, 31 and 36;  thence S. 0°01' W., 40.00 chs. dist. bet. secs. 31 and 36, to  the 1/4 sec. cor. of secs. 31 and 36;  thence S. 0°01' W., 40.00 chs. dist. bet. secs. 31 and 36, to  the stan. cor. of Tps. 5 S., Rs. 2 and 3 W.</p>
	<p>In Township 5 South, Range 2 West</p> <hr/>
	<p>From the stan. cor. of Tps. 5 S., Rs. 2 and 3 W.</p> <p>thence N. 89°58' E., 3.37 chs. dist. on the S. bdy. of sec. 31,  to the closing cor. of Tps. 6 S., Rs. 2 and 3 W.</p>
	<p>In Township 6 South, Range 2 West</p> <hr/>
	<p>From the closing cor. of Tps 6 S., Rs. 2 and 3 W.</p> <p>thence S. 0°01' E., 40.58 chs. dist. bet. secs. 1 and 6, to the  1/4 sec. cor. of secs. 1 and 6;  thence S. 0°01' E., 40.00 chs. dist. bet. secs. 1 and 6, to the  cor. of secs. 1, 6, 7 and 12;  thence S. 0°01' E., 40.00 chs. dist. bet. secs. 7 and 12, to  the 1/4 sec. cor. of secs. 7 and 12;  thence South, 40.00 chs. dist. bet. secs. 7 and 12, to the cor.  of secs. 7, 12, 13 and 18;  thence S. 0°02' E., 39.99 chs. dist., bet. secs. 13 and 18, to  the 1/4 sec. cor. of secs. 13 and 18, identical with Angle  Point 1, on the W. bdy. of the Tp.;</p> <p>thence S. 71°20' E., 142.08 chs. dist., to Angle Point 2;  thence S. 62°33' E., 5.39 chs. dist., to Angle Point 3;  thence S. 18°10' W., 5.68 chs. dist., to Angle Point 4;  thence S. 55°17' E., 10.46 chs. dist., to Angle Point 5;  thence N. 41°53' E., 5.60 chs. dist., to Angle Point 6;  thence N. 33°29' E., 6.35 chs. dist., to Angle Point 7;  thence N. 24°34' E., 5.47 chs. dist., to Angle Point 8;  thence N. 40°29' E., 11.02 chs. dist., to Angle Point 9;</p>

Survey of the Descriptive Boundary of the South Maricopa Mountains Wilderness  
 Area, Tps. 5 S. Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W.,  
 and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS			
thence N. 30°28' E.,	11.68 chs. dist.,	to Angle Point 10;	
thence N. 45°59' E.,	10.54 chs. dist.,	to Angle Point 11;	
thence N. 46°49' E.,	13.33 chs. dist.,	to Angle Point 12;	
thence N. 49°06' E.,	8.84 chs. dist.,	to Angle Point 13;	
thence N. 58°06' E.,	6.94 chs. dist.,	to Angle Point 14;	
thence N. 51°28' E.,	6.79 chs. dist.,	to Angle Point 15;	
thence N. 24°16' E.,	6.38 chs. dist.,	to Angle Point 16;	
thence N. 31°54' E.,	11.02 chs. dist.,	to Angle Point 17;	
thence N. 60°51' E.,	5.57 chs. dist.,	to Angle Point 18;	
thence N. 50°02' E.,	10.21 chs. dist.,	to Angle Point 19;	
thence N. 54°35' E.,	4.02 chs. dist.,	to Angle Point 20;	
thence N. 70°30' E.,	8.73 chs. dist.,	to Angle Point 21;	
thence N. 65°04' E.,	9.76 chs. dist.,	to Angle Point 22;	
thence N. 62°36' E.,	9.68 chs. dist.,	to Angle Point 23;	
thence N. 57°30' E.,	13.14 chs. dist.,	to Angle Point 24;	
thence S. 89°36' E.,	4.00 chs. dist.,	to Angle Point 25;	
thence N. 51°34' E.,	2.96 chs. dist.,	to Angle Point 26;	
thence S. 71°47' E.,	8.88 chs. dist.,	to Angle Point 27;	
thence S. 34°39' W.,	4.29 chs. dist.,	to Angle Point 28;	
thence N. 60°55' W.,	7.74 chs. dist.,	to Angle Point 29;	
thence S. 81°15' W.,	4.61 chs. dist.,	to Angle Point 30;	
thence S. 58°10' W.,	13.58 chs. dist.,	to Angle Point 31;	
thence S. 63°05' W.,	8.81 chs. dist.,	to Angle Point 32;	
thence S. 65°13' W.,	10.05 chs. dist.,	to Angle Point 33;	
thence S. 69°44' W.,	8.64 chs. dist.,	to Angle Point 34;	
thence S. 50°47' W.,	8.35 chs. dist.,	to Angle Point 35;	
thence S. 56°37' W.,	11.49 chs. dist.,	to Angle Point 36;	
thence S. 31°23' W.,	10.27 chs. dist.,	to Angle Point 37;	
thence S. 25°24' W.,	7.24 chs. dist.,	to Angle Point 38;	
thence S. 53°59' W.,	6.12 chs. dist.,	to Angle Point 39;	
thence S. 55°22' W.,	7.19 chs. dist.,	to Angle Point 40;	
thence S. 42°02' W.,	11.58 chs. dist.,	to Angle Point 41;	
thence S. 54°00' W.,	10.44 chs. dist.,	to Angle Point 42;	
thence S. 46°45' W.,	11.23 chs. dist.,	to Angle Point 43;	
thence S. 30°35' W.,	9.87 chs. dist.,	to Angle Point 44;	
thence S. 38°27' W.,	11.41 chs. dist.,	to Angle Point 45;	
thence S. 28°32' W.,	5.15 chs. dist.,	to Angle Point 46;	
thence S. 34°42' W.,	7.55 chs. dist.,	to Angle Point 47;	
thence S. 36°49' W.,	5.85 chs. dist.,	to Angle Point 48;	
thence S. 71°21' E.,	7.01 chs. dist.,	to Angle Point 49;	
thence S. 58°53' E.,	12.89 chs. dist.,	to Angle Point 50;	
thence S. 48°10' E.,	9.76 chs. dist.,	to Angle Point 51;	
thence S. 48°53' E.,	14.72 chs. dist.,	to Angle Point 52;	
thence S. 47°59' E.,	9.55 chs. dist.,	to Angle Point 53;	
thence S. 61°15' E.,	28.30 chs. dist.,	to Angle Point 54;	
thence S. 62°58' E.,	12.13 chs. dist.,	to Angle Point 55;	
thence S. 62°16' E.,	29.43 chs. dist.,	to Angle Point 56;	
thence S. 62°14' E.,	39.97 chs. dist.,	to Angle Point 57;	
thence S. 58°45' E.,	22.40 chs. dist.,	to Angle Point 58;	
thence S. 55°11' E.,	8.91 chs. dist.,	to Angle Point 59;	
thence S. 54°08' E.,	5.47 chs. dist.,	to Angle Point 60;	

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CHAINS	
	<p>thence S. 60°29' E., 14.05 chs. dist., to Angle Point 61;            thence S. 67°29' E., 30.76 chs. dist., to Angle Point 62;            thence S. 73°10' E., 13.27 chs. dist., to Angle Point 63;            thence S. 72°49' E., 34.13 chs. dist., to Angle Point 64;            thence S. 72°57' E., 44.34 chs. dist., to Angle Point 65;            thence S. 72°56' E., 33.57 chs. dist., to Angle Point 66,            identical with Angle Point 1, T. T. 6 S., R. 1 W., on the            line bet. secs. 31 and 36, on the E. bdy. of the Tp.</p>
	<p>In Township 6 South, Range 1 West</p> <hr/> <p>From Angle Point 1, identical with Angle Point 66,            T. 6 S., R. 2 W., on the line bet. secs. 31 and 36, on the W.            bdy. of the Tp.</p>
	<p>thence S. 72°54' E., 83.52 chs. dist., to Angle Point 2;            thence S. 72°50' E., 27.02 chs. dist., to Angle Point 3;            thence N. 49°30' E., 26.16 chs. dist., to Angle Point 4;            thence N. 49°24' E., 23.39 chs. dist., to Angle Point 5;            thence N. 54°53' E., 25.42 chs. dist., to Angle Point 6;            thence N. 36°50' E., 5.39 chs. dist., to Angle Point 7;            thence N. 59°34' E., 13.33 chs. dist., to Angle Point 8;            thence S. 85°54' E., 11.02 chs. dist., to Angle Point 9;            thence S. 85°07' E., 28.61 chs. dist., to Angle Point 10;            thence N. 42°46' E., 19.97 chs. dist., to Angle Point 11;            thence N. 3°07' W., 12.20 chs. dist., to Angle Point 12;            thence N. 3°39' W., 20.49 chs. dist., to Angle Point 13;            thence N. 3°30' W., 24.45 chs. dist., to Angle Point 14;            thence N. 11°13' E., 17.45 chs. dist., to Angle Point 15;            thence N. 31°29' W., 3.53 chs. dist., to Angle Point 16;            thence N. 60°24' E., 4.79 chs. dist., to Angle Point 17;            thence S. 44°06' E., 4.15 chs. dist., to Angle Point 18;            thence S. 54°07' W., 4.50 chs. dist., to Angle Point 19;            thence S. 11°47' W., 16.99 chs. dist., to Angle Point 20;            thence S. 3°50' E., 24.76 chs. dist., to Angle Point 21;            thence S. 3°44' E., 20.36 chs. dist., to Angle Point 22;            thence S. 1°29' E., 13.10 chs. dist., to Angle Point 23;            thence S. 43°47' W., 21.10 chs. dist., to Angle Point 24;            thence N. 85°31' W., 28.93 chs. dist., to Angle Point 25;            thence N. 83°51' W., 10.33 chs. dist., to Angle Point 26;            thence S. 54°16' W., 13.18 chs. dist., to Angle Point 27;            thence S. 50°42' W., 5.14 chs. dist., to Angle Point 28;            thence S. 54°17' W., 25.31 chs. dist., to Angle Point 29;            thence S. 49°49' W., 22.94 chs. dist., to Angle Point 30;            thence S. 48°56' W., 25.37 chs. dist., to Angle Point 31;            thence S. 72°46' E., 15.64 chs. dist., to Angle Point 32;            thence S. 72°58' E., 36.66 chs. dist., to Angle Point 33;</p>

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CHAINS	<p>thence S. 72°53' E., 40.56 chs. dist., to Angle Point 34, identical with Angle Point 1, T. 7 S., R. 1 W., on the line bet. secs. 4 and 33, on the S. bdy. of the Tp.</p>
	<p style="text-align: center;">In Township 7 South, Range 1 West</p> <hr style="width: 20%; margin: auto;"/> <p>From Angle Point 1, identical with Angle Point 34, T. 6 S., R. 1 W., on the line bet. secs. 4 and 33 on the N. bdy. of the Tp.</p> <p>thence S. 72°55' E., 19.39 chs. dist., to Angle Point 2;  thence S. 75°23' E., 24.49 chs. dist., to Angle Point 3, on the line bet. secs. 3 and 4;  thence S. 83°04' E., 38.20 chs. dist., to Angle Point 4;  thence S. 87°14' E., 42.16 chs. dist., to Angle Point 5. on the line bet. secs. 2 and 3;  thence S. 87°17' E., 36.42 chs. dist., to Angle Point 6;  thence S. 87°16' E., 43.69 chs. dist., to Angle Point 7, on the line bet. secs. 1 and 2;  thence S. 87°17' E., 37.12 chs. dist., to Angle Point 8;  thence S. 85°00' E., 43.08 chs. dist., to Angle Point 9, on the line bet. secs. 1 and 6, on the E. bdy. of the Tp.;</p> <p>thence N. 0°01' E., 27.71 chs. dist., bet. secs. 1 and 6, to the cor. of Tps. 6 and 7 S., R. 1 E. and R. 1 W.</p>
	<p style="text-align: center;">In Township 6 South, Range 1 West</p> <hr style="width: 20%; margin: auto;"/> <p>From the cor. of Tps. 6 and 7 S., R. 1 E. and R. 1 W.</p> <p>thence N. 0°01' W., 39.96 chs. dist., bet. secs. 31 and 36 to the 1/4 sec. cor. of secs. 31 and 36;  thence N. 0°01' E., 40.00 chs. dist., bet. secs. 31 and 36 to the cor. of secs. 25, 30, 31 and 36;  thence N. 0°02' E., 40.01 chs. dist., bet. secs. 25 and 30 to the 1/4 sec. cor. of secs. 25 and 30;  thence North, 40.02 chs. dist., bet. secs. 25 and 30 to the cor. of secs. 19, 24, 25 and 30;  thence N. 0°02' E., 40.02 chs. dist., bet. secs. 19 and 24 to the 1/4 sec. cor. of secs. 19 and 24;  thence N. 0°01' E., 40.02 chs. dist., bet. secs. 19 and 24 to the cor. of secs. 13, 18, 19 and 24;  thence N. 0°02' E., 40.02 chs. dist., bet. secs. 13 and 18 to the 1/4 sec. cor. of secs. 13 and 18;  thence N. 0°02' E., 40.01 chs. dist., bet. secs. 13 and 18 to the cor. of secs. 7, 12, 13 and 18;</p>

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CHAINS	
	<p>thence N. 0°01' E., 40.02 chs. dist., bet. secs. 7 and 12 to the 1/4 sec. cor. of secs. 7 and 12;</p> <hr/> <p style="text-align: center;">In Township 6 South, Range 1 East</p> <hr/> <p>From the 1/4 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp.</p> <p>thence N. 89°55' E., 78.18 chs. dist., on the E. and W. centerline of sec. 7, to the 1/4 sec. cor. of secs. 7 and 8;</p> <p>thence N. 0°01' W., 40.00 chs. dist., bet. secs. 7 and 8 to the cor. of secs. 5, 6, 7 and 8;</p> <p>thence N. 0°01' W., 40.03 chs. dist., bet. secs. 5 and 6 to the 1/4 sec. cor. of secs. 5 and 6;</p> <p>thence N. 0°01' W., 39.85 chs. dist., bet. secs. 5 and 6 to the closing cor. of secs. 5 and 6, identical with Angle Point 1, T. 5 S., R. 1 E.</p> <hr/> <p style="text-align: center;">In Township 5 South, Range 1 East</p> <hr/> <p>From Angle Point 1, identical with the closing cor. of secs. 5 and 6, T. 6 S., R. 1 E, on the S. bdy. of the Tp.</p> <p>thence N. 0°15' E., 21.08 chs. dist., to Angle Point 2;</p> <p>thence N. 14°45' W., 3.00 chs. dist., to Angle Point 3;</p> <p>thence N. 4°46' E., 6.97 chs. dist., to Angle Point 4;</p> <p>thence N. 0°21' E., 9.26 chs. dist., to Angle Point 5;</p> <p>thence N. 0°03' E., 39.84 chs. dist., to Angle Point 6, on the line bet. secs. 30 and 31;</p> <p>thence West, 38.12 chs. dist., bet. secs. 30 and 31, to the 1/4 sec. cor. of secs. 30 and 31;</p> <p>thence S. 89°59' W., 39.99 chs. dist., bet. secs. 30 and 31, to the cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp.</p> <hr/> <p style="text-align: center;">In Township 5 South, Range 1 West</p> <hr/> <p>From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.</p> <p>thence N. 0°01' E., 40.00 chs. dist., bet. secs. 25 and 30 to the 1/4 sec. cor. of secs. 25 and 30;</p>



Survey of the Descriptive Boundary of the South Maricopa Mountains Wilderness Area, Tps. 5 S. Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W., and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	thence North, 40.02 chs. dist., bet. secs. 25 and 30 to the cor. of secs. 19, 24, 25 and 30;
	thence North, 40.03 chs. dist., bet. secs. 19 and 24 to the 1/4 sec. cor. of secs. 19 and 24;
	thence N. 0°01' E., 40.01 chs. dist., bet. secs. 19 and 24 to the cor. of secs. 13, 18, 19 and 24;
	thence N. 89°53' W., 39.93 chs. dist., bet. secs. 13 and 24 to the 1/4 sec. cor. of secs. 13 and 24;
	thence N. 89°55' W., 39.95 chs. dist., bet. secs. 13 and 24 to the cor. of secs. 13, 14, 23 and 24;
	thence S. 89°58' W., 40.02 chs. dist., bet. secs. 14 and 23 to the 1/4 sec. cor. of secs. 14 and 23;
	thence S. 89°57' W., 39.96 chs. dist., bet. secs. 14 and 23 to the cor. of secs. 14, 15, 22 and 23;
	thence West, 40.11 chs. dist., bet. secs. 15 and 22 to the 1/4 sec. cor. of secs. 15 and 22;
	thence S. 89°57' W., 1.57 chs. dist., bet. secs. 15 and 22 to Angle Point 1;
	thence S. 11°55' W., 6.91 chs. dist., to Angle Point 2;
	thence S. 26°27' W., 9.96 chs. dist., to Angle Point 3;
	thence S. 0°59' W., 6.61 chs. dist., to Angle Point 4;
	thence S. 34°47' E., 3.58 chs. dist., to Angle Point 5;
	thence S. 8°39' E., 4.87 chs. dist., to Angle Point 6;
	thence S. 20°37' W., 7.94 chs. dist., to Angle Point 7;
	thence S. 20°30' W., 8.29 chs. dist., to Angle Point 8;
	thence S. 64°54' W., 5.31 chs. dist., to Angle Point 9;
	thence S. 49°45' W., 3.62 chs. dist., to Angle Point 10;
	thence S. 28°22' W., 5.28 chs. dist., to Angle Point 11;
	thence S. 58°15' W., 3.02 chs. dist., to Angle Point 12;
	thence S. 11°56' W., 2.98 chs. dist., to Angle Point 13;
	thence S. 10°00' E., 4.44 chs. dist., to Angle Point 14;
	thence S. 14°46' W., 9.93 chs. dist., to Angle Point 15;
	thence S. 44°42' W., 5.57 chs. dist., to Angle Point 16;
	thence S. 51°19' W., 5.10 chs. dist., to Angle Point 17, on the line bet. secs. 22 and 27;
	thence S. 38°48' W., 7.01 chs. dist., to Angle Point 18;
	thence S. 12°31' W., 4.13 chs. dist., to Angle Point 19;
	thence S. 31°21' W., 2.67 chs. dist., to Angle Point 20, on the line bet. secs. 27 and 28;
	thence S. 26°39' W., 6.90 chs. dist., to Angle Point 21;
	thence S. 40°15' W., 6.51 chs. dist., to Angle Point 22;
	thence S. 31°42' W., 4.29 chs. dist., to Angle Point 23;
	thence S. 18°32' W., 6.95 chs. dist., to Angle Point 24;
	thence S. 46°52' W., 4.07 chs. dist., to Angle Point 25;
	thence S. 31°53' W., 5.24 chs. dist., to Angle Point 26;
	thence S. 7°47' W., 3.53 chs. dist., to Angle Point 27;
	thence S. 20°40' W., 3.45 chs. dist., to Angle Point 28;
	thence S. 25°01' W., 3.05 chs. dist., to Angle Point 29;
	thence S. 3°53' W., 9.02 chs. dist., to Angle Point 30;
	thence S. 21°05' W., 4.30 chs. dist., to Angle Point 31;
	thence S. 68°06' W., 5.51 chs. dist., to Angle Point 32;

Survey of the Descriptive Boundary of the South Maricopa Mountains Wilderness  
Area, Tps. 5 S. Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W.,  
and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS		
thence S. 71°36' W.,	8.80 chs. dist.,	to Angle Point 33;
thence N. 89°11' W.,	5.47 chs. dist.,	to Angle Point 34;
thence N. 74°17' W.,	6.31 chs. dist.,	to Angle Point 35;
thence N. 87°21' W.,	5.38 chs. dist.,	to Angle Point 36;
thence N. 71°05' W.,	6.89 chs. dist.,	to Angle Point 37;
thence N. 41°01' W.,	3.30 chs. dist.,	to Angle Point 38;
thence S. 64°38' W.,	4.02 chs. dist.,	to Angle Point 39;
thence S. 28°44' W.,	5.78 chs. dist.,	to Angle Point 40;
thence S. 65°37' W.,	5.84 chs. dist.,	to Angle Point 41;
thence N. 43°23' W.,	1.25 chs. dist.,	to Angle Point 42;
thence N. 27°38' E.,	4.87 chs. dist.,	to Angle Point 43;
thence N. 11°16' W.,	5.05 chs. dist.,	to Angle Point 44;
thence N. 48°37' W.,	1.77 chs. dist.,	to Angle Point 45;
thence N. 69°52' W.,	3.14 chs. dist.,	to Angle Point 46;
thence N. 41°11' W.,	4.19 chs. dist.,	to Angle Point 47, on the line bet. secs. 28 and 29;
thence N. 45°33' W.,	3.66 chs. dist.,	to Angle Point 48;
thence N. 21°36' W.,	7.24 chs. dist.,	to Angle Point 49;
thence N. 21°28' W.,	3.45 chs. dist.,	to Angle Point 50;
thence N. 59°39' W.,	4.54 chs. dist.,	to Angle Point 51;
thence N. 48°06' W.,	3.65 chs. dist.,	to Angle Point 52;
thence N. 69°44' W.,	8.38 chs. dist.,	to Angle Point 53;
thence N. 33°55' W.,	5.07 chs. dist.,	to Angle Point 54;
thence N. 3°32' E.,	3.46 chs. dist.,	to Angle Point 55;
thence N. 18°50' E.,	5.09 chs. dist.,	to Angle Point 56;
thence N. 34°22' E.,	3.50 chs. dist.,	to Angle Point 57;
thence N. 10°28' E.,	7.40 chs. dist.,	to Angle Point 58;
thence N. 27°04' E.,	2.95 chs. dist.,	to Angle Point 59;
thence N. 17°19' W.,	3.91 chs. dist.,	to Angle Point 60;
thence N. 39°52' W.,	3.23 chs. dist.,	to Angle Point 61;
thence N. 7°03' W.,	3.00 chs. dist.,	to Angle Point 62, on the line bet. secs. 20 and 29;
thence N. 16°07' W.,	3.80 chs. dist.,	to Angle Point 63;
thence N. 15°48' W.,	2.67 chs. dist.,	to Angle Point 64;
thence N. 63°59' W.,	7.72 chs. dist.,	to Angle Point 65;
thence N. 49°16' W.,	2.21 chs. dist.,	to Angle Point 66;
thence N. 20°43' W.,	2.57 chs. dist.,	to Angle Point 67;
thence N. 57°41' W.,	7.66 chs. dist.,	to Angle Point 68;
thence N. 48°53' W.,	4.71 chs. dist.,	to Angle Point 69;
thence N. 12°40' W.,	4.13 chs. dist.,	to Angle Point 70;
thence N. 14°17' W.,	2.95 chs. dist.,	to Angle Point 71;
thence N. 8°03' W.,	7.09 chs. dist.,	to Angle Point 72;
thence N. 0°20' W.,	5.83 chs. dist.,	to Angle Point 73;
thence N. 2°56' E.,	2.86 chs. dist.,	to Angle Point 74;
thence N. 42°50' W.,	3.35 chs. dist.,	to Angle Point 75;
thence N. 23°59' W.,	3.57 chs. dist.,	to Angle Point 76;
thence N. 33°45' W.,	3.25 chs. dist.,	to Angle Point 77;
thence N. 61°45' W.,	5.63 chs. dist.,	to Angle Point 78;
thence N. 9°36' W.,	3.55 chs. dist.,	to Angle Point 79;
thence N. 31°52' E.,	6.48 chs. dist.,	to Angle Point 80;
thence N. 2°01' W.,	4.08 chs. dist.,	to Angle Point 81;

Survey of the Descriptive Boundary of the South Maricopa Mountains Wilderness Area, Tps. 5 S. Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W., and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>thence N. 9°38' E., 2.99 chs. dist., to Angle Point 82; thence N. 41°50' W., 4.88 chs. dist., to Angle Point 83; thence N. 5°51' E., 6.08 chs. dist., to Angle Point 84, on the line bet. secs. 17 and 20; thence S. 89°58' W., 25.35 chs. dist., bet. secs. 17 and 20 to the cor. of secs. 17, 18, 19 and 20; thence N. 89°58' W., 40.02 chs. dist., bet. secs. 18 and 19 to the 1/4 sec. cor. of secs. 18 and 19; thence West, 39.76 chs. dist., bet. secs. 18 and 19 to the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp.; the point of beginning.</p>

## CERTIFICATE OF SURVEY

These composite field notes constitute the legal description of the South Maricopa Mountains Wilderness Area, as required by Public Law 101-628, "Arizona Desert Wilderness Act of 1990", TITLE 1, SEC. 101. (c).

The following field note record of the survey of the descriptive boundary of the South Maricopa Mountains Wilderness Area in Townships 5 South, Ranges 1, 2, and 3 West, and 1 East, Townships 6 South, Ranges 1 and 2 West, and 1 East, and Township 7 South, Range 1 West, Gila and Salt River Meridian, Arizona, was executed in compliance with the provisions as set forth in Public Law 101-628, "Arizona Desert Wilderness Act of 1990" and in pursuance of Special Instructions dated November 8, 1993, for Group No. 764, Arizona; that 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.

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the survey of the descriptive boundary of the South Maricopa Mountains Wilderness Area in Townships 5 South, Ranges 1, 2, and 3 West, and 1 East, Townships 6 South, Ranges 1 and 2 West, and 1 East, and Township 7 South, Range 1 West, Gila and Salt River Meridian, Arizona, executed by Robert C. Umbanhowar, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

August 10, 1998  
(Date)

James R. McKay  
Acting (Chief Cadastral Surveyor of Arizona)

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 CERTIFICATE OF TRANSCRIPT
 

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I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in Tps. 5 S., Rs. 1, 2, and 3 W., and 1 E., Tps. 6 S., Rs. 1 and 2 W., and 1 E., and T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

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 (Date)

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 (Chief Cadastral Surveyor of Arizona)