

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Dependent Resurvey

and

Accretion Survey,

Township 2 North, Range 22 West

Of the Gila & Salt River Meridian,

In the State of Arizona

EXECUTED BY

Donald A. Cannon, Cadastral Surveyor

and

Leonard W. Murphy, Surveying Technician

Under special/instructions dated September 15, 1960
January 16, 1961, 1961, which provided
October 27, 1961 September 22, 1960
for the surveys included under Group No. 355, approved February 9, 1961
October 31, 1961
and assignment instructions dated September 26, 1960

Survey commenced March 1, 1961
November 26, 1961
Survey completed March 28, 1961
December 10, 1961

1A

BOOK 4635

INDEX DIAGRAM

Township 2 North, Range 22 West

6	19	5	8	4	4	3	2	2	1
	19	17		7		3			
	18								
7		8	6	9	3	10		11	12
		16		5					
18	15	17	5	16		15		14	13
13		13							
19	12	20		21		22		23	24
11									
30	11	28		28		27		26	25
10									
31		32		33		34		35	36

16-56770-1

Traverse of 1923 Left Bank, Hauser Cut area	Pgs. 20 - 28
" " " " , Comer Cut area	Pgs. 28 - 30
Meander and Traverse of Left Bank, Colo. R.	Pgs. 30 - 32
Traverse of Right Bank, Colo. R.	Pgs. 32 - 34

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Township 2 North, Range 22 West is situated southeasterly of Blythe, Calif., and downriver from the old town of Ehrenberg, Arizona.

The township was surveyed by W. B. Kimmel, U. S. Surveyor, in 1916-17, under Group 47. The official plat was approved March 20, 1918. The township, as surveyed, was fractional being bounded on its westerly side by the Colorado River.

The following surveys are those of a retracement and reestablishment of a portion of the subdivisional lines designed to restore the corners thereof in their original positions according to the best available evidence; and, the survey of accretion lands not included in previous surveys. The west boundary and a portion of the north boundary have been resurveyed and are reported in the official records of the respective adjoining townships concurrently resurveyed. This work has been undertaken at the request of the Bureau of Reclamation as an administrative measure.

Between the time of the original survey, in 1917, and by 1923, the river had moved westerly by normal processes of erosion and accretion, to the creation of considerable added areas in front of the sections as originally returned. In 1923 the river was rechannelized through secs. 4, 8 and 9 by the dredging of the Hauser Cut and through secs. 17, 18 and 19 by the dredging of the Comer Cut. This dredging action had the effect of isolating originally surveyed lands, together with subsequently added accretion areas, on the westerly side of the rechannelized portions of the river. These surveys have included so much of the severed original areas, now west of the river's present position, which were in existence in 1923, together with other lands added thereto by accretion prior to the time of the rechannelizations as defined by the considered position of the river's left bank in 1923, and, other lands accreted to the original areas now situated on the present left bank which have been added by the subsequent movement of the river since 1917. In front of secs. 3 and 4, the river has eroded and destroyed land areas as originally returned. In these instances the surveys have amended the public land areas representative of such loss.

The surveys were executed with Gurley transits constructed in accordance with the standard specifications of the Bureau. The instruments were in good adjustment and were frequently tested and adjusted during the course of the surveys to maintain them in good condition. All directions of lines reported herein are true as determined by astronomical observations made upon the survey lines and carried forward by normal transit methods. Measurements were made with Chicago and Dietzen narrow-band steel tapes, 5 to 8 chains in length, which had been compared with a one chain standard tape and found correct. All distances reported are based on horizontal measurements.

The geographic position of the cor. of secs. 29, 30, 31 and 32, is as follows:

Latitude $33^{\circ} 28' 49.9''$ N. Longitude $111^{\circ} 33' 45.7''$ W.

The mean magnetic declination was found to be 15° East.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 2 N., R. 22 W.

Reestablishment of the Surveys by
W. B. Kimmel, U. S. Surveyor, in 1916-17.

After 1917, the date of the original surveys, the Colorado River moved westerly in front of secs. 4, 8 and 9, and in front of sec. 18, by normal processes of erosion and accretion, to the creation of large sweeping loops.

To relieve the threats to the farm land and levee system on the California side, the Palo Verde Irrigation District in 1923-24 rechanneled the river through these loop areas by the dredging of the Hauser and Comer Cuts across secs. 4, 8, and 9, and, secs. 18 and 19, respectively, thereby severing lands which had been until that time upon the east bank and isolating those areas upon the west side of the river.

There appears to have been no historical mapping of the river at the times of the rechannelizations of sufficient accuracy to now permit a relocation of the respective old left banks therefrom and nearly all extant evidences of the 1923 abandoned beds have been lost by siltation or precision leveling. The nearest in time of reliable mapping for this vicinity is 1930 aerial photography (Fairchild Aerial Surveys) upon which the last apparent bed of the river, abandoned after the rechannelizations, can be identified by photogrammetric methods.

The following surveys, which embrace both previously surveyed and accreted areas, have been extended across the present river at the Hauser and Comer Cuts to the considered position of the 1923 left bank, as well as that bank can be determined from either extant evidence or by development of its position from the 1930 aerial photography. The left bank, as so developed, has been established as a fixed and limiting boundary of areas returned.

The cor. of secs. 2, 3, 10 and 11, is marked by an iron post, 2 ins. in diam., projecting 6 ins. above ground, described in the official record of the 1917 surveys.

Thence

N. $0^{\circ} 01'$ W., bet. secs. 2 and 3.

Over gently rolling hills, through sparse undergrowth.

12.40

Wash, 45 lks. wide, 2 ft. deep, drains N. 80° W.

39.96

The $\frac{1}{4}$ sec. cor. of secs. 2 and 3, marked by an iron post, 1 in. in diam., projecting 5 ins. above the ground, mkd. as described in the official record.

N. $0^{\circ} 01'$ W., beginning new measurement.

40.58

The cor. of secs. 2, 3, 34 and 35, on the north bdy. of the Tp., marked by an iron post, 2 ins. in diam., set and mkd. as described in the official record.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains	<p>Land, gently rolling desert. Soil, gravel, sand. Timber, none. Undergrowth, greasewood and cacti.</p> <hr/> <p>The cor. of secs. 9, 10, 15 and 16 is marked by an iron post, 2 ins. in diam., projecting 5 ins. above the ground, set and mkd. as described in the official record.</p> <p>N. 0° 03' W., bet. secs. 9 and 10.</p> <p>Over rolling hills draining to NW.; through scattering timber and undergrowth.</p> <p>18.30 Shallow wash, 30 lks. wide, drains NW.</p> <p>40.06 The $\frac{1}{4}$ sec. cor. of secs. 9 and 10, marked by an iron post, 1 in. in diam., projecting 5 ins. above the ground, set and mkd. as described in the official record.</p> <hr/> <p>N. 0° 03' W., beginning new measurement.</p> <p>Continue over rolling hills.</p> <p>13.50 Shallow wash, 2 chs. wide, drains N. 40° W.</p> <p>40.02 The cor. of secs. 3, 4, 9 and 10, marked by an iron post, 2 ins. in diam., projecting 4 ins. above the ground, set and mkd. as described in the official record.</p> <p>Land, rolling desert. Soil, granite formation, sand, gravel and rock. Timber, ironwood and palo verde. Undergrowth, greasewood and cacti.</p> <hr/> <p>From the cor. of secs. 2, 3, 10 and 11.</p> <p>N. 89° 51' W., bet. secs. 3 and 10.</p> <p>Over rolling hills, through scattering undergrowth and timber.</p> <p>33.30 Shallow wash, 45 lks. wide, 2 to 4 ft. deep, drains NW.</p> <p>40.07 The $\frac{1}{4}$ sec. cor. of secs. 3 and 10, marked by an iron post, 1 in. in diam., projecting 6 ins. above the ground, set and mkd. as described in the official record.</p> <hr/> <p>N. 89° 51' W., beginning new measurement.</p> <p>23.00 Shallow wash, 30 lks. wide, 2 to 4 ft. deep, drains NW.</p> <p>29.00 Gentle ascent to sec. cor.</p> <p>40.14 The cor. of secs. 3, 4, 9 and 10.</p> <p>Land, rolling desert. Soil, sand, gravel and rock. Timber, palo verde and iron wood; undergrowth, greasewood and cacti.</p>
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Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

N. 0° 02' E., bet. secs. 3 and 4.

Over rolling and nearly level land, through scattering timber and patches of dense undergrowth.

38.22

The witness point on the line bet. secs. 3 and 4, marked by an iron post, 2 ins. in diam., projecting 5 ins. above the ground, set and mkd. as described in the official record.

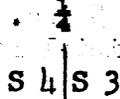
40.02

Point for the 1/4 sec. cor. of secs. 3 and 4, at record distance from the witness point; there is no remaining evidence of the original corner.

At the corner point

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 2 1/2 ins. in the ground, with brass cap mkd.

T2N.R22W



1961

Set a redwood post, 8 ft. long, 4 ins. sq., 36 ins. in the ground, alongside to W. as a guard stake.

The corner is located in the S. edge of a bladed road leading to Ehrenberg.

N. 0° 04' E., on record bearing, beginning new measurement.

30.95

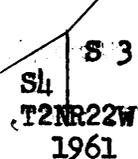
Bladed road, bears irregularly E. and W.

31.08

Left bank of the Colorado River, bearing N. 46° 54' E. and S. 49° 37' W., 8 to 10 ft. high, and the considered position of the river in 1923.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 2 1/2 ins. in the ground, for meander cor. of secs. 3 and 4, with brass cap mkd.

.MC



Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

Land, gently rolling.

Soil, sand and gravel.

Timber, none.

Undergrowth, arrowweed, mesquite and salt cedar along river.

The cor. of secs. 16, 17, 20 and 21, is marked by an iron post, 2 ins. in diam., set, mkd. and witnessed as described in the official record.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

80.00

The point for the cor. of secs. 4, 5, 8 and 9, at considered record distance (80.00 chs.) from the cor. of secs. 8, 9, 16 and 17, and at record distance (43.60 chs.) from the witness point on the line bet. secs. 4 and 9, hereinafter described.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap mkd.

T2N R22W

S 5 | S 4

S 8 | S 9

1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Land, nearly level bottom.

Soil, sandy loam.

Timber, scattered cottonwood.

Undergrowth, mesquite brush and arrowweed.

From the cor. of secs. 3, 4, 9 and 10.

West, bet. secs. 4 and 9.

Over gently rolling hills, through scattered undergrowth and timber.

36.40

The witness point on the line bet. secs. 4 and 9, marked by an iron post, 2 ins. in diam., set, mkd. and witnessed as described in the official record.

Enter area of dense undergrowth, bearing irregularly NE. and SW.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 9, at record distance and on the line projected through the recovered witness point; there is no remaining evidence of the original corner.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap mkd.

T2N R22W

 $\frac{1}{4}$ S 4

S 9

1961

from which

A palo verde, 12 ins. in diam., bears N. 87° E., 16 lks. dist., mkd. $\frac{1}{4}$ S4 BT.

A palo verde, 12 ins. in diam., bears S. $79^{\circ} 30'$ E., 46.9 lks. dist., mkd. $\frac{1}{4}$ S9 BT.

Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, as a guard stake.

S. $89^{\circ} 44'$ W., beginning new measurement.

2.20

Road to Ehrenberg, bladed, bears N. 20° E. and S. 20° W.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S., R. Mar., Arizona

Chains	
2.80	Barb-wire fence, 4 strand, parallel to road.
9.00	Drainage ditch, drains S. 45° W.
26.90	Leave undergrowth; enter tilled field.
40.00	<p>The cor. of secs. 4, 5, 8 and 9.</p> <p>Land, rolling hills to level bottom. Soil, sand, gravel and silt. Timber, scattered palo verde and iron wood. Undergrowth, patches of arrowweed and mesquite.</p>
15.28	<p>N. 0° 01' E.; on record bearing, bet. secs. 4 and 5.</p> <p>Over level bottom land, through dense undergrowth.</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, for witness point on the line bet. secs. 4 and 5, with brass cap mkd.</p>
15.40	<p style="text-align: center;">T2N R22W W P S5 S4 1961</p> <p>Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.</p> <p>The left bank of the Colorado River, in Hauser Cut, bearing N. 52° 09' E. and S. 53° 05' W.</p>
23.50	<p>The right bank of the river, 8 to 12 ft. high, bearing N. 54° 22' E. and S. 58° 00' W.</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, for witness point on the line bet. secs. 4 and 5, with brass cap mkd.</p>
23.80	<p style="text-align: center;">T2N R22W W P S5 S4 1961</p> <p>Raise a mound of stones, 3½ ft. base, 2 ft. high, W. of iron post.</p> <p>Set a redwood post, 6 ft. long, 4 ins. sq., alongside post as a guard stake.</p> <p>Farm access. road, bears N. 54° E. and S. 54° W.; enter tilled field.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 4 and 5, at record distance; there is no remaining evidence of the original corner.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. in diam., 2½ ins. in diam., 54 ins. in the ground, with brass cap mkd.</p>

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S., R. Mer., Arizona

Chains

T2N R22W.

1/4

S5 | S4

1961

Deposit broken glass at base of post.

45.80 Point for the record meander cor. of secs. 4 and 5 on the left bank of the river, as originally surveyed; there is no remaining evidence of the corner. The point was not remonumented.

Thence over accreted lands, with same line and measurement.

48.55 Fence, bears E. and W.

48.60 Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, for witness point on the line bet. secs. 4 and 5, with brass cap mkd.

T2N R22W

W P

S5 | S4

1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

48.80 Farm road, unimproved, bears E. and W.

49.20 Major irrigation ditch, 25 lks. wide, flows W.

49.70 Enter cultivated field.

58.20 The considered position of the left bank of the river in 1923, bearing S. 88° 00' W. and S. 78° 20' E.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for meander cor. of secs. 4 and 5, with brass cap mkd.

M C

S5 | S4
T2N R22 W

1961

Deposit glass at base of iron post.

from which

An iron post, 28 ins. long, 2 1/2 ins. in diam., with brass cap mkd. T2N R22W MC RM 92 FT 1961, with arrow pointing toward the corner, set 24 ins. in the ground, for a reference monument, bears N. 20° E., 1.394 chs. dist.

An iron post, 28 ins. long, 2 1/2 ins. in diam., with brass cap mkd. T2N R22W MC RM 92 FT 1961, with arrow pointing toward the corner, set 24 ins. in the ground, for a reference monument, bears N. 20° W., 1.394 chs. dist.

Land, level bottom.

Soil, sandy loam.

Timber, none.

Undergrowth, dense arrowweed and salt cedar south of river.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S., R. Mar., Arizona

Chains	The cor. of secs. 29, 30, 31 and 32, is marked by an iron post, 2 ins. in diam., set, mkd. and witnessed as described in the official record.															
	Thence															
	S. 89° 54' W., bet. secs. 30 and 31.															
	Over rolling land, through scattering timber and undergrowth.															
10.30	Shallow wash, 50 lks. wide, drains NW.; thence ascend over gentle SE. slope.															
30.70	Top of spur, projects NW.; descend to wash.															
37.70	Wash, 30 lks. wide, 2 ft. deep, drains NW.															
40.00	The $\frac{1}{4}$ sec. cor. of secs. 30 and 31, marked by an iron post, 1 in. in diam., set, mkd. and witnessed as described in the official record.															
	West, beginning new measurement.															
11.60	Ridge, bears N. and S.; thence descend.															
29.20	Shallow wash, 1 ch. wide, drains NW.															
39.90	Shallow wash, 20 lks. wide, drains NW.															
39.94	Point for the $\frac{1}{16}$ sec. cor. of secs. 30 and 31, at proportionate distance, based upon the original record 80.00 ch. point.															
	At the corner point															
	Set an iron post, 28 ins. long, 2 $\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stones, with brass cap mkd.															
	<table border="0"> <tr> <td></td> <td>T2N R22W</td> <td></td> </tr> <tr> <td></td> <td>S30</td> <td></td> </tr> <tr> <td>1/16</td> <td>—</td> <td>80</td> </tr> <tr> <td></td> <td>S31</td> <td></td> </tr> <tr> <td></td> <td>1961</td> <td></td> </tr> </table>		T2N R22W			S30		1/16	—	80		S31			1961	
	T2N R22W															
	S30															
1/16	—	80														
	S31															
	1961															
	Set a redwood post, 7 ft. long, 4 ins. sq., alongside the post as a guard stake.															
46.10	Shallow wash, 60 lks. wide, drains NW.															
48.20	Shallow wash, 1 ch. wide, drains NW.															
59.91	Point for the $\frac{1}{16}$ sec. cor. of secs. 30 and 31, at proportionate distance, based upon the original record 100.00 ch. point.															
	At the corner point															
	Set an iron post, 28 ins. long, 2 $\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in a collar of stones, with brass cap mkd.															
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1/16	—	100														
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	Set a redwood post, 7 ft. long, 4 ins. sq., alongside the post as a guard stake.															

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

- 68.00 Top of spur, sloping NW.
- 75.40 Beginning SW. slope; desc. 76 ft. to sec. cor.
- 78.47 The closing cor. of secs. 30 and 31, on W. bdy. of Tp., marked by an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.
- Land, rolling desert.
Soil, sand, gravel and rock.
Timber, scattered palo verde and iron wood; cottonwood and thinly scattered large willows in bottom.
Undergrowth, greasewood and cacti.
-
- I return to the cor. of secs. 29, 30, 31 and 32.
N. 0° 03' W., bet. secs. 29 and 30.
- Over rolling land, through scattering timber and undergrowth.
- 5.00 Shallow wash, 40 lks. wide, drains W.
- 29.30 Shallow wash, 60 lks. wide, drains W.
- 39.70 Ascend gentle SW. slope.
- 40.00 The $\frac{1}{4}$ sec. cor. of secs. 29 and 30, marked by an iron post, 1 in. in diam., firmly set and mkd. as described in the official record. There is no remaining evidence of the original bearing tree.
-
- N. 0° 03' W., beginning new measurement.
- 34.00 Begin rolling mesa, draining NW.
- 37.60 Ravine, drains NW.
- 39.98 The cor. of secs. 19, 20, 29 and 30, marked by an iron post, 2 ins. in diam., set, mkd. and witnessed as described in the official record.
- Land, rolling desert.
Soil, gravelly, granite formation.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood and cacti.
-
- S. 89° 56' W., bet. secs. 19 and 30.
- Over rolling land, through scattering timber and undergrowth.
- 4.20 Wash, drains NW.; ascend to spur.
- 18.50 Spur, slopes NW.
- 18.68 Bureau of Reclamation bench mark, 1951, bears N. 64° 50' W., 1.53 chs. dist.
- 20.70 Descend over NW. slope.
- 40.00 The $\frac{1}{4}$ sec. cor. of secs. 19 and 30, marked by an iron post, 1 in.

United Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

<p>Chains</p> <p>8.60</p> <p>26.50</p> <p>39.94</p>	<p>in diam., projecting 6 ins. above the ground, mkd. as described in the official record.</p> <hr/> <p>N. 89° 56' W., beginning new measurement.</p> <p>Leave rolling foot-hills and enter into nearly level bottom land.</p> <p>Point for the original witness point on the line bet. secs. 19 and 30, at record dist.; there is no remaining evidence of the point and it is not remonumented.</p> <p>Point for the 1/16 sec. cor. of secs. 19 and 30, at proportionate distance, based upon the original record 80.00 ch. point.</p>
<p>59.91</p>	<p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R22W S19 1/16 — 80 S30 1961</p> <p>Raise a mound of stones, 2½ ft. base, 2 ft. high, N. of post.</p> <p>Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.</p> <p>Point for the 1/16 sec. cor. of secs. 19 and 30, at proportionate distance, based upon the original record 100.00 ch. point.</p>
<p>78.38</p>	<p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R22W S19 1/16 — 100 S30 1961</p> <p>Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.</p> <p>The closing cor. of secs. 19 and 30, on W. bdy. of Tp., marked by an iron post, set, mkd. and witnessed as described in the official record.</p>
<p>12.00</p>	<p>Land, rolling desert and nearly level river bottom. Soil, sand and gravel. Timber, scattering palo verde, iron wood, willow and cottonwood. Undergrowth, greasewood and arrowweed.</p> <hr/> <p>I return to the cor. of secs. 19, 20, 29 and 30.</p> <p>N. 0° 03' W., bet. secs. 19 and 20.</p> <p>Over rolling mesa draining NW., through thinly scattered timber and undergrowth.</p> <p>Wash, 40 lks. wide, 2 ft. deep, drains W.</p>

Limited Dependent Resurvey and Accretion Survey,
T: 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

24.60 Ravine, 15 ft. deep, drains W.

40.02 The $\frac{1}{4}$ sec. cor. of secs. 19 and 20, marked by an iron post, 1 in. in diam., projecting 16 ins. above the ground, mkd. and witnessed as described in the official record.

N. $0^{\circ} 03'$ W., beginning new measurement.

4.70 Wash, 2 ft. deep, 20 lks. wide, drains NW.

12.50 Low spur, projects NW.

19.00 Shallow wash, south bank, drains NW.

35.90 North bank of wash.

39.96 The cor. of secs. 17, 18, 19 and 20, marked by an iron post, 2 ins. in diam., projecting 5 ins. above the ground, set, mkd. and witnessed as described in the official record.

Land, rolling desert.

Soil, gravel and rock.

Timber, scattered palo verde and iron wood.

Undergrowth, greasewood.

From the cor. of secs. 16, 17, 20 and 21.

S. $89^{\circ} 56'$ W., bet. secs. 17 and 20.

Over rolling desert land, through patches of timber and undergrowth.

8.20 East edge of wash, draining NW.

16.80 West edge of wash.

40.02 The $\frac{1}{4}$ sec. cor. of secs. 17 and 20, marked by an iron post, 1 in. in diam., projecting 4 ins. above the ground, set, mkd. and witnessed as described in the official record.

S. $89^{\circ} 56'$ W., beginning new measurement.

Over gently rolling land, sloping NW.

40.04 The cor. of secs. 17, 18, 19 and 20.

Land, rolling desert.

Soil, sand and gravel.

Timber, scattered palo verde and iron wood.

Undergrowth, greasewood.

N. $89^{\circ} 58'$ W., bet. secs. 18 and 19.

Over rolling land, through scattering timber and undergrowth.

0.70 Top of bank, 7 ft. high, bears NW. and SE.; enter wash.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R., Mer., Arizona

Chains

8.50 Leave wash; asc. 40 ft. to spur.

18.30 Sandy spur, slopes N.; desc. 50 ft.

20.00 Enter nearly level bottom land.

36.87 Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, for a witness point on the line bet. secs. 18 and 19, with brass cap mkd.

T2N

S18

WP

S19

R22W

1961

Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

37.27 Left bank of the Colorado River, 6 ft. high, bearing N. 57° 30' E. and S. 63° 43' W.; thence by triangulation across the river.

39.91 Point for the 1/4 sec. cor. of secs. 18 and 19, at proportionate distance; the point falls in the river.

67.59 Right bank of the river, 4 to 6 ft. high, bearing N. 78° 13' E. and S. 82° 29' W.

72.40 Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, for witness point on the line bet. secs. 18 and 19, with brass cap mkd.

T2N

S18

WP

S19

R22W

1961

Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

72.50 Leave dense undergrowth; enter cultivated field.

76.90 Irrigation ditch, 20 lks. wide, 3 ft. deep, flowing S.

79.82 Point for the 1/16 sec. cor. of secs. 18 and 19, at proportionate distance, based upon the original record 80.00 ch. point.

At the corner point

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 48 ins. in the ground, with brass cap mkd.

T2N R22W

S18

1/16-80

S19

1961

The post is located in a tilled field.

96.90 Irrigation ditch, 15 lks. wide, 4 ft. deep, flowing S.

99.78 Point for the 1/16 sec. cor. of secs. 18 and 19, at proportionate distance, based upon the original record 100.00 ch. point.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 48 ins. in the ground, with brass cap mkd.

T2N R22W
S18
1/16 ——— 100
S19
1961

Deposit glass alongside post.

The post is located in a tilled field.

116.93 Irrigation ditch, 20 lks. wide, 4 ft. deep, flowing S.

118.28 The closing cor. of secs. 18 and 19, marked by an iron post, $2\frac{1}{2}$ ins. in diam., firmly set, mkd. and witnessed as described in the record of the survey of T. 2 N., R. 23 W., concurrently executed.

Land, rolling desert and nearly level river bottom.
Soil, sand and gravel.
Timber, thinly scattered palo verde and iron wood.
Undergrowth, greasewood on desert and arrowweed along the river.

I return to the cor. of secs. 17, 18, 19 and 20.

N. $0^{\circ} 03'$ W., bet. secs. 17 and 18.

Over rolling desert, through thinly scattered timber and undergrowth.

7.20 Enter low rolling sand hills, bearing NW. and SE.

14.20 Shallow wash, 1 ch. wide, drains W.

23.70 Point for the original witness point on the line bet. secs. 17 and 18, at record dist.; there is no remaining evidence of the point and it was not remonumented.

25.10 Wash, 45 lks. wide, 4 ft. deep, draining S. 80° W.; ascend 73 ft.

32.06 Sandstone spur, projects S. 75° W.; descend 179 ft. to river.

33.45 Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for a witness point on the line bet. secs. 17 and 18, with brass cap mkd.

T2N R22W
W P

S18 | S17

1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside iron post as a guard stake.

The post is set on a sandstone ledge, on S. edge of road.

33.88 Bladed road to Ehrenberg, along river.

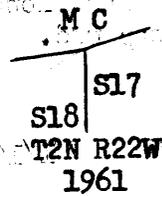
34.06 The left bank of the Colorado River, 6 to 8 ft. high, bearing N. $76^{\circ} 08'$ E. and S. $53^{\circ} 41'$ W., being also the considered position of the river in 1923

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

ground, for meander cor. of secs. 17 and 18, with brass cap mkd.



Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

Land, rolling desert.

Soil, sand and rock.

Timber, scattered ironwood.

Undergrowth, palo verde and mesquite.

From the cor. of secs. 8, 9, 16 and 17.

West, on record bearing, bet. secs. 8 and 17.

Over nearly level undeveloped bottom land, through dense undergrowth.

6.00 Road leading to Ehrenberg, bladed, bears NE. and SW.

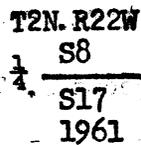
23.30 Point for the record meander cor. of secs. 8 and 17, at record distance; there is no remaining evidence of the original corner. The point was not remonumented.

Thence, over accreted land, with same line and measurement.

40.00 Point for the 1/4 sec. cor. of secs. 8 and 17.

At the corner point

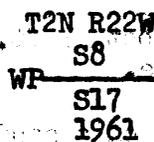
Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, with brass cap mkd.



Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

56.20 Bladed road, bears NE. and SW.

56.30 Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, as a witness point on the line bet. secs. 8 and 17, with brass cap mkd.



Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

56.40 Top of bank, 10 ft. high; thence enter into area liable to overflow in time of extreme high water.

Limited Dependent Resurvey and Accretion Survey,
T. 2. N., R. 22 W., G. & S., R. Mer., Arizona

Chains

62.17 Left bank of the Colorado River, 6 ft. high, bearing S. $9^{\circ} 37'$ E. and N. $25^{\circ} 25'$ W.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for the meander cor. of secs. 8 and 17, with brass cap mkd.

T2N
S8
MC ———
S17
R22W
1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Land, river bottom.

Soil, sandy silt.

Timber, scattered willow.

Undergrowth, dense salt cedar and arrowweed.

From the cor. of secs. 4, 5, 8 and 9.

West, on record bearing, bet. secs. 5 and 8.

Over level river bottom, through dense undergrowth.

0.60 Point for the record meander cor. of secs. 5 and 8, at record distance; there is no remaining evidence of the original corner. The point was not remonumented.

Thence, over accretion land, continuing same line and measurement.

20.30 Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for witness point on the line bet. secs. 5 and 8, with brass cap mkd.

T2N
S 5
WP ———
S 8
R22W
1961

20.50 The left bank of the Colorado River, 6 to 10 ft. high, bearing N. $53^{\circ} 05'$ E. and S. $54^{\circ} 16'$ W.; thence across river in Hauser Cut.

32.70 The right bank of river, bearing N. $59^{\circ} 17'$ E. and S. $50^{\circ} 17'$ W.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, for witness point on the line bet. secs. 5 and 8, with brass cap mkd.

T2N R22W
S5
WP ———
S8
1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

38.40 Center of irrigation ditch, 20 lks. wide, 3 ft. deep, flows S.

38.70 Fence, bears N. $1^{\circ} 10'$ W. and S. $1^{\circ} 10'$ E.; enter cultivated field.

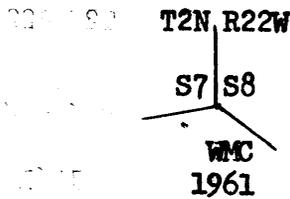
Limited Dependent Resurvey and Accretion Survey,
T. 2. N., R. 22 W., G. & S. R. Mer., Arizona

Chains							
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 8.</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 50 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T2N R22W</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-right: 1px solid black; padding: 0 5px;">S</td><td style="padding: 0 5px;">5</td></tr> <tr><td style="border-right: 1px solid black; padding: 0 5px;">S</td><td style="padding: 0 5px;">8</td></tr> <tr><td colspan="2" style="border-top: 1px solid black; padding: 0 5px;">1961</td></tr> </table> </div> <p>from which</p> <p>An iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., with brass cap mkd. T2N R22W S5 RM 92.0 FT 1961, with arrow pointing toward corner, set 24 ins. in the ground, as a reference monument, bears N. $70^{\circ} 00'$ E., 1.394 chs. dist.</p> <p>An iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., with brass cap mkd. T2N R22W S8 RM 92.0 FT 1961, with arrow pointing toward corner, set 24 ins. in the ground, as a reference monument, bears S. $70^{\circ} 00'$ E., 1.394 chs. dist.</p>	S	5	S	8	1961	
S	5						
S	8						
1961							
48.20	Fence, bears N. $1^{\circ} 10'$ W. and S. $1^{\circ} 10'$ E.						
68.30	Irrigation ditch, 30 lks. wide, flows S.						
68.70	Farm road, bears N. and S.						
80.00	<p>Point for the cor. of secs. 5, 6, 7 and 8.</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 54 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T2N R22W</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-right: 1px solid black; padding: 0 5px;">S6</td><td style="padding: 0 5px;">S5</td></tr> <tr><td style="border-right: 1px solid black; padding: 0 5px;">S7</td><td style="padding: 0 5px;">S8</td></tr> <tr><td colspan="2" style="border-top: 1px solid black; padding: 0 5px;">1961</td></tr> </table> </div> <p>from which</p> <p>An iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., with brass cap mkd. T2N R22W S8 RM 112.0 FT 1961, with arrow pointing toward corner, set 25 ins. in the ground, as a reference monument, bears S. 20° E., 1.697 chs. dist.</p>	S6	S5	S7	S8	1961	
S6	S5						
S7	S8						
1961							
	<p>Land, level bottom.</p> <p>Soil, sandy silt.</p> <p>Timber, cottonwood and willow E. of river.</p> <p>Undergrowth, salt cedar and arrowweed E. of river.</p>						
	S. $0^{\circ} 03'$ E., bet. secs. 7 and 8, over accreted lands.						
	Over level cultivated land.						
1.80	Irrigation ditch, 20 lks. wide, 3 ft. deep, flows W.						
12.60	Fence, bears E. and W., the N. side of Allied Feed Yards.						
31.24	Fence, bears E. and W.; the S. side of feed yards.						
32.60	Right bank of Colorado River, at lower end of Hauser Cut, bearing N. $62^{\circ} 06'$ E. and S. $55^{\circ} 00'$ W.						

Limited Dependent Resurvey and Accretion Survey,
T. 2.N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for witness meander cor. of secs. 7 and 8, with brass cap mkd.



Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Thence, enter river at lower end of Hauser Cut.

36.30

The considered position of the left bank of the river in 1923, at time of Hauser Cut, bearing S. $85^{\circ} 11'$ W. and S. $56^{\circ} 45'$ E., and point for meander cor. of secs. 7 and 8. The point falls in river. Set the witness cor. thereto as described above.

Land, level bottom.
Soil, deep sandy loam.
Timber and undergrowth, none.

I return to the cor. of secs. 5, 6, 7 and 8.

West, bet. secs. 6 and 7, over accreted area.

Over level cultivated land.

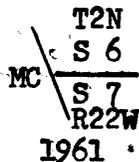
12.80

Fence, bears N. $1^{\circ} 10'$ W. and S. $1^{\circ} 10'$ E.

21.60

The considered position of the left bank of the Colorado River, in 1923 at time of channelization by the Hauser Cut, bearing N. $19^{\circ} 30'$ W. and S. $20^{\circ} 30'$ E.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 54 ins. in the ground, for the meander cor. of secs. 6 and 7, with brass cap mkd.



The corner is set in cultivated field.

Land, level bottom.
Soil, deep sandy loam.
Timber and undergrowth, none.

I return to the cor. of secs. 5, 6, 7 and 8.

N. $0^{\circ} 03'$ E., bet. secs. 5 and 6, over accreted lands.

Over level cultivated farm lands.

18.20

Irrigation ditch, 20 lks. wide, 3 ft. deep, flows W.

38.00

Irrigation ditch, 20 lks. wide, 3 ft. deep, flows W.

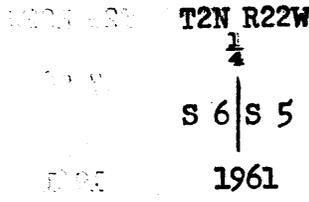
40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 5 and 6.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains
and
marks

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, with brass cap mkd.



From which . . .

An iron post, 28 ins. long, 2 1/2 ins. in diam., with brass cap mkd., T2N R22W S5 RM 121 FT 1961, with arrow pointing toward the corner, set 2 1/2 ins. in the ground, as a reference monument, bears S. 20° E., 1.833 chs. dist.

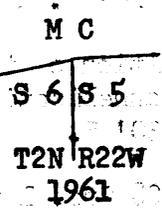
An iron post, 28 ins. long, 2 1/2 ins. in diam., with brass cap mkd., T2N R22W S6 RM 121.0 FT 1961, with arrow pointing toward corner, set 2 1/2 ins. in the ground, as a reference monument, bears S. 20° W., 1.833 chs. dist.

48.30 Farm access road, bears E. and W.

48.60 Fence, parallel to road.

69.10 The considered position of the left bank of the Colorado River, in 1923 at time of channelization by the Hauser Cut, bearing N. 89° 14' E. and S. 82° 00' W.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 2 1/2 ins. in the ground, for meander cor. of secs. 5 and 6, with brass cap mkd.



The corner is set on ditch bank, 15 lks. S. of canal.

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Land, level bottom.
Soil, sandy loam.
Timber and undergrowth, none.

Reestablishment of the 1923-24
Left Bank of the Colorado River
through Secs. 4, 5, 6, 7, 8 and 18,
T. 2 N., R. 22 W.

The following field notes are those of the establishment of respective portions of the left bank of the Colorado River, as the river ran at the times of the so-called Hauser and Comer Cuts, as fixed and limiting boundaries of areas surveyed. In determining those former positions of the river, at times of channelization, resort has been had to extant evidence thereof, aerial photography (Fairchild Aerial Surveys-1930) and other historical mapping which

Limited Dependent Resurvey and Accretion Survey,
T. 2. N., R. 22 W., G. & S. R. Mer., Arizona

Chains

depicts the river's position within the period of interest to these surveys.

From the meander cor. of secs. 4 and 5, hereinbefore described.

Thence, with the traverse of the considered position of the 1923-24 left bank of the Colorado River of the area severed by the so-called Hauser Cut.

In sec. 4.

Over level land, in cultivated fields.

S. $78^{\circ} 20'$ E., 15.40 chs.

At 11.00 chs. on this course, a canal, 40 lks. wide, 4 ft. deep, flows S. $1^{\circ} 03'$ E. There are farm roads on the E. and W. banks.

At 11.80 chs. on this course, fence parallel to canal.

At end of course.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 48 ins. in the ground, for Angle Point No. 1, sec. 4, with brass cap mkd.

AP 1

S 4

T2N R22W

1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Thence

S. $86^{\circ} 30'$ E., 14.50 chs.

At end of course.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 48 ins. in the ground, for Angle Point No. 2, sec. 4, with brass cap mkd.

AP 2

S 4

T2N R22W

1961

Thence

N. $84^{\circ} 50'$ E., 22.62 chs.

At end of course, the right bank of the Colorado River, bearing S. $56^{\circ} 52'$ W. and N. 56° E.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, for Angle Point No. 3, sec. 4, with brass cap mkd.

AP 3

S 4

T2N R22W

1961

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Set a redwood post, 6 ft. long 4 ins. sq., alongside iron post as a guard stake.

Thence

N. 74° 45' E., 15.88 chs. Crossing river.

At end of course, the left bank of river, bearing N. 49° 31' E. and S. 53° 47' W., and point of intersection of the 1923-24 left bank with present left bank, at head of Hauser Cut.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, and in concrete, as special meander cor. of sec. 4, with brass cap mkd.

SMC

S 4
T2N R22W
1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

End the establishment of the old left bank in sec. 4.

I return to the meander cor. of secs. 4 and 5.

Thence in sec. 5.

Over level cultivated fields.

S. 88° 00' W., 6.30 chs. At end of course.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for Angle Point No. 1, sec. 5, with brass cap mkd.

AP 1

S 5
T2N R22W
1961

Deposit glass at base of iron post.

Thence

N. 58° 15' W., 7.50 chs.

At 3.20 chs. on this course, an irrigation ditch, 20 lks. wide, 3 ft. deep, flows S. 89° W.

At end of course.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for Angle Point No. 2, sec. 5, with brass cap mkd.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona.

Chains

AP 2

S5
T2N R22W
1961

Deposit glass at base of iron post.

Thence

N. 70° 30' W., 10.20 chs. At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 3, sec. 5, with brass cap mkd.

AP 3

S5
T2N R22W
1961

Deposit glass at base of iron post.

Thence

N. 79° 15' W., 14.60 chs. At 7.60 chs. on this course, a fence, 3 strand barb-wire, bears S. 1° 10' E. and N. 1° 10' W. There are farm roads to E. and W. of fence.

At end of course

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 4, sec. 5, with brass cap mkd.

AP 4

S5
T2N R22W
1961

Deposit glass at base of iron post.

Thence

N. 87° 55' W., 31.70 chs. At 3.80 chs. on this course, a graded farm road, 15 lks. wide, bears N. and S.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 5, sec. 5, with brass cap mkd.

AP 5

S5
T2N R22W
1961

Thence

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

S. 89° 14' W., 11.70 chs.

At 1.30 chs. on this course, a graded farm road, 15 lks. wide, bears N. 1° W. and S. 1° E.

At end of course, the meander cor. of secs. 5 and 6, as hereinbefore described.

Thence, in sec. 6.

Continue over level land, in cultivated areas.

S. 82° 00' W., 14.80 chs.

At 6.10 chs. on this course, an irrigation ditch, 20 lks. wide, 4 ft. deep, flows S. 1° E.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 1, sec. 6, with brass cap mkd.

AP 1

S6
T2N R22W
1961

Thence

S. 76° 00' W., 16.70 chs.

At 7.00 chs. on this course, a power line and wire fence, bears N. 1° W. and S. 1° E.

At 15.50 chs. on this course, an oiled road, Intake Boulevard, bears N. 1° W. and S. 1° E.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 2, sec. 6, with brass cap mkd.

AP 2

S6
T2N R22W
1961

Thence

S. 60° 35' W., 8.20 chs.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 3, sec. 6, with brass cap mkd.

AP 3

S6
T2N R22W
1961

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Thence

S. $4^{\circ} 30'$ W., 7.20 chs. At end of course.Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 50 ins. in the ground, for Angle Point No. 4, sec. 6, with brass cap mkd.

T2N
S 6
R22W
1961
AP 4

Thence

S. $43^{\circ} 30'$ E., 17.00 chs. At 5.30 chs. on this course, a power line and wire fence, bearing N. $88^{\circ} 54'$ E. and S. $88^{\circ} 54'$ W.

At 5.90 chs. on this course, the center of an oiled road, 22nd Avenue, bears same as above.

At 13.60 chs. on this course, the center of Intake Blvd., bearing N. $1^{\circ} 09'$ W. and S. $1^{\circ} 09'$ E.

At end of course.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 50 ins. in the ground, for Angle Point No. 5, sec. 6, with brass cap mkd.

T2N
S 6
R22W
1961
AP 5

Thence

S. $28^{\circ} 30'$ E., 7.80 chs. At 2.00 chs. on this course, an irrigation ditch, 20 lks. wide, 3 ft. deep, flows S. 88° W.

At end of course.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 50 ins. in the ground, for Angle Point No. 6, sec. 6, with brass cap mkd.

T2N
S 6
R22W
1961
AP 6

Thence

S. $6^{\circ} 10'$ E., 5.10 chs. At 4.90 chs. on this course, a farm road, bearing N. $88^{\circ} 54'$ E. and S. $88^{\circ} 54'$ W.

At end of course.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 50 ins. in the ground, for Angle Point No. 7, sec. 6, with

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R., Mer., Arizona

Chains

brass cap mkd.

AP 7 / T2N
S 6
R22W
1961

Thence

S. 11° 15' W., 9.30 chs.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 8, sec. 6, with brass cap mkd.

AP 8 / T2N
S 6
R22W
1961

Thence

S. 2° 15' W., 9.60 chs.

At 0.75 ch. on this course, an irrigation ditch, 25 lks. wide, 3 ft. deep, flows S. 89° W.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 9, sec. 6, with brass cap mkd.

AP 9 / T2N
S 6
R22W
1961

Thence

S. 19° 30' E., 9.35 chs.

At the end of course, the meander cor. of secs. 6 and 7, as hereinbefore described.

Thence, in sec. 7.

Continue over level land, in cultivated areas.

S. 20° 30' E., 13.30 chs.

At 13.08 chs. on this course, the N. edge of an oiled road, bearing N. 89° E. and S. 89° W.

At end of course.

Set a bronze rod, 36 ins. long, ½ in. in diam., with brass cap (Copperweld), flush with oiled surface of the road, for Angle Point No. 1, sec. 7, with cap mkd.

AP 1 / T2N
S 7
R22W
1961

Limited Dependent Resurvey and Accretion Survey,
T. 2.N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Thence

S. 7° 30' E., 11.20 chs.

At 0.10 ch. on the course, the S. edge of the oiled road, the access road to Allied Feed Yards.

At 10.60 chs. on this course, an irrigation ditch, 20 lks. wide, 3 ft. deep, flows S. 89° W.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 2, sec. 7, with brass cap mkd.

S 7
AP2 | T2N
R22W
1961

Thence

S. 3° 25' E., 14.00 chs.

At 6.96 chs. on this course, a farm road, 12 lks. wide, bears S. 57° W. for 3 chs., thence S. 89° W.

At end of course.

Set an iron post, 28 ins. long, 2½ ins. in diam., 50 ins. in the ground, for Angle Point No. 3, sec. 7, with brass cap mkd.

T2N
S 7
AP 3. | R22W

1961

Thence

N. 85° 11' E., 14.73 chs.

At 1.70 chs., leave cultivated area and enter dense undergrowth of arrowweed.

At 8.70 chs. on this course, the right bank of the Colorado River, at lower end of Hauser Cut, bearing N. 55° 00' E. and S. 55° W.

Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, and in concrete, for witness point, with brass cap mkd.

T2N R22W
S 7
WP ———

1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post, as a guard stake.

At end of course, the true point for the meander cor. of secs. 7 and 8, in river, as hereinbefore described.

Limited Dependent Resurvey and Accretion Survey,
T. 2.N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Thence, in sec. 8.

Crossing river at lower end of Hauger Cut.

S. 56° 45' E., 21.33 chs.

At end of course, the left bank of river, bearing N. 21° 05' E. and S. 9° 45' W., and point of intersection of the 1923-24 left bank with present left bank, at lower end of Hauger Cut.

Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, for special meander cor. of sec. 8, with brass cap mkd.

T2N
SMC S8
R22W
1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

End the reestablishment of the old left bank in the area of the Hauger Cut.

From the meander cor. of secs. 17 and 18, on present left bank of Colorado River, at head of Comer Cut, as hereinbefore described.

Thence, with the traverse of the considered position of the 1923-24 left bank of the Colorado River of the area severed by the so-called Comer Cut.

In sec. 18

Crossing river.

S. 75° 51' W., 13.90 chs.

At end of course, the right bank of river, bearing S. 37° 05' W. and N. 45° E.

Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, for Angle Point No. 1, sec. 18, with brass cap mkd.

AP1
S18
T2N R22W
1961

Set a redwood post, 6 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Thence

S. 88° 00' W., 52.70 chs.

Enter into cultivated area.

At 13.30 chs. on this course, a bladed road, bearing N. and S.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

At 33.60 chs. on this course, an irrigation ditch, 20 lks. wide, 3 ft. deep, flows S.

At end of course.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for Angle Point No. 2, sec. 18, with brass cap mkd.

AP 2

S 18
T2N R22W
1961

Thence

S. 85° 45' W., 10.70 chs.

At 0.60 ch. on this course, the center of an irrigation ditch, 25 lks. wide, 4 ft. deep, flows S.

At 1.50 chs. on this course, the center of drain, 40 lks. wide, 4 ft. deep, flows S. to river.

At end of course.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for Angle Point No. 3, sec. 18, with brass cap mkd.

AP 3

S 18
T2N R22W
1961

Thence

S. 88° 05' W., 12.30 chs.

At end of course.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for Angle Point No. 4, sec. 18, with brass cap mkd.

AP 4

S 18
T2N R22W
1961

Thence

N. 73° 00' W., 10.00 chs.

At end of course.

Set an iron post, 28 ins. long, 2 1/2 ins. in diam., 50 ins. in the ground, for Angle Point No. 5, sec. 18, with brass cap mkd.

AP 5

S 18
T2N R22W
1961

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Thence

N. 59° 50' W., 22.70 chs.

At 19.20 chs. on this course, a farm road, bears N. and S.

At 22.10 chs. on this course, center of 26th Avenue, bearing E. and W.

At end of course, the meander cor. of secs. 13 and 18, Ts. 2 N., Rs. 22 and 23 W., which is an iron post, 2½ ins. in diam., set and mkd. as described in the record of the surveys of T. 2 N., R. 23 W., concurrently executed.

End the establishment of the old left bank in the area of the Comer Cut.

Meander and Traverse of the Left Bank
of the Colorado River,
through Secs. 3, 4, 5, 8, 17, 18 and 19.

The following notes are of the meander and traverse of the present left bank of the Colorado River. Within the extent of the Hauser and Comer Cuts, the bank has been traversed and is supplied herein for informational purposes.

From the meander cor. of secs. 3 and 34, on N. bdy. of the Tp., which is an iron post, 2½ ins. in diam., set, mkd. and witnessed as described in the official record of T. 3 N., R. 22 W., concurrently resurveyed.

Thence, with the meanders of the left bank, downstream.

In sec. 3.

S. 62° 09' W., 6.40 chs.

S. 75° 53' W., 6.75 chs.

S. 46° 54' W., 6.61 chs.

To M. C. of secs. 3 and 4, hereinbefore described.

Thence, in sec. 4

S. 49° 37' W., 8.13 chs.

S. 49° 31' W., 8.87 chs.

To the special meander cor., set at the terminal point of the traverse of the 1923 left bank, as hereinbefore described.

Thence, with the traverse of the left bank, along Hauser Cut, continue in sec. 4.

S. 53° 47' W., 23.40 chs.

On this course, at _____ chs., a 30 in. pump in river.

S. 60° 58' W., 19.86 chs.

S. 60° 27' W., 14.32 chs.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

S. $52^{\circ} 27'$ W., 7.78 chs.

S. $52^{\circ} 09'$ W., 15.52 chs.

To the line bet. secs. 4 and 5, N. $0^{\circ} 04'$ E., 15.40 chs. from the cor. of secs. 4, 5, 8 and 9, as hereinbefore described.

Thence, in sec. 5.

S. $53^{\circ} 05'$ W., 25.65 chs.

To the line bet. secs. 5 and 8, West, 20.50 chs. from the cor. of secs. 4, 5, 8 and 9, as hereinbefore described.

Thence, in sec. 8

S. $54^{\circ} 16'$ W., 10.52 chs.

S. $55^{\circ} 16'$ W., 7.09 chs.

At 3.00 chs. on this course, a shallow channel that flows in a general southerly direction during extreme high waters.

S. $44^{\circ} 50'$ W., 5.87 chs.

S. $54^{\circ} 18'$ W., 13.40 chs.

S. $45^{\circ} 00'$ W., 7.11 chs.

S. $15^{\circ} 27'$ W., 8.35 chs.

S. $21^{\circ} 05'$ W., 13.67 chs.

To the special meander cor. set at the terminal point of the traverse of the 1923 left bank, at end of Hauser Cut, as hereinbefore described.

Thence, with the meanders of the left bank, continue in sec. 8.

S. $9^{\circ} 45'$ W., 17.55 chs.

S. $3^{\circ} 42'$ W., 7.64 chs.

S. $25^{\circ} 25'$ E., 7.85 chs.

To the meander corner of secs. 8 and 17, hereinbefore described.

Thence, in sec. 17

S. $9^{\circ} 37'$ E., 14.90 chs.

S. $7^{\circ} 05'$ E., 11.46 chs.

S. $5^{\circ} 35'$ W., 5.06 chs.

S. $33^{\circ} 54'$ W., 9.37 chs.

S. $67^{\circ} 00'$ W., 2.28 chs.

S. $61^{\circ} 35'$ W., 7.33 chs.

S. $63^{\circ} 35'$ W., 3.90 chs.

S. $76^{\circ} 08'$ W., 4.09 chs.

To the meander corner of secs. 17 and 18, hereinbefore described, being also the terminal point of the 1923 left bank at the upper end of the Comer Cut.

Thence, with the traverse of the left bank, along Comer Cut, in sec. 18.

S. $53^{\circ} 41'$ W., 7.04 chs.

Limited Dependent Resurvey and Accretion Survey,
T. 2 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

S. 40° 00' W., 5.34 chs.

S. 41° 24' W., 9.42 chs.

S. 46° 24' W., 21.10 chs.

S. 57° 30' W., 7.82 chs.

To the line bet. secs. 18 and 19,
N. 89° 58' W., 37.27 chs. from cor.
of secs. 17, 18, 19 and 20, as herein-
before described.

Thence, in sec. 19

S. 63° 43' W., 5.48 chs.

S. 72° 56' W., 6.62 chs.

S. 75° 09' W., 12.35 chs.

S. 89° 12' W., 8.41 chs.

S. 74° 17' W., 4.36 chs.

S. 77° 30' W., 5.45 chs.

S. 63° 27' W., 7.50 chs.

S. 73° 00' W., 4.92 chs.

S. 54° 25' W., 12.96 chs.

S. 56° 30' W., 13.57 chs.

S. 50° 40' W., 8.61 chs.

The line bet. secs. 19 and 24, on W.
bdy. of the Tp., North, 52.64 chs.
from the cor. of secs. 24 and 25,
T. 2 N., R. 23 W., concurrently resur-
veyed, being also North, 44.74 chs.
from the closing cor. of secs. 19 and
30, T. 2 N., R. 22 W.

Traverse of the Right Bank
of the Colorado River,
through Secs. 4, 5, 7, 8, 18 and 19.

The following field notes are of the traverse of portions of the
present right bank of the Colorado River, supplied herein for
informational purposes.

From Angle Point 3, sec. 4, on the traverse of the 1923 left bank
of the river, as hereinbefore described.

Thence, with the traverse of the right bank, 8 ft. high, along
Hauser Cut, downstream.

In sec. 4

S. 56° 52' W., 8.02 chs.

S. 66° 44' W., 11.52 chs.

S. 48° 21' W., 6.11 chs.

Limited Dependent Resurvey and Accretion Survey,
T. 2.N., R. 22 W., G. & S. R. Mer., Arizona

Chains

S. 58° 58' W., 11.68 chs.

S. 57° 53' W., 8.41 chs.

S. 54° 22' W., 15.70 chs.

To the witness point set on the line
bet. secs. 4 and 5, as hereinbefore
described.

Thence, in sec. 5

S. 58° 00' W., 6.93 chs.

S. 51° 25' W., 24.32 chs.

S. 59° 17' W., 9.10 chs.

To the witness point set on the line
bet. secs. 5 and 8, as hereinbefore
described.

Thence, in sec. 8

S. 50° 17' W., 7.55 chs.

S. 56° 36' W., 11.75 chs.

S. 51° 36' W., 20.24 chs.

S. 62° 00' W., 15.06 chs.

To the witness point set on the line
bet. secs. 7 and 8, as hereinbefore
described.

Thence, in sec. 7

S. 55° 00' W., 7.33 chs.

To the witness point set on the
traverse of the 1923 left bank,
N. 85° 11' E., 8.70 chs. from AP 3,
sec. 7; end of Hauser Cut.

From Angle Point No. 1, sec. 18, on the traverse of the 1923 left
bank of river, as hereinbefore described.

Thence, with the traverse of the right bank, sloping into river,
along Comer Cut, downstream.

In sec. 18

S. 37° 05' W., 11.45 chs.

S. 47° 29' W., 7.44 chs.

S. 57° 01' W., 16.08 chs.

S. 70° 20' W., 8.72 chs.

S. 73° 20' W., 6.98 chs.

S. 78° 13' W., 13.64 chs.

To the line bet. secs. 18 and 19,
N. 89° 58' W., 67.59 chs. from cor.
of secs. 17, 18, 19 and 20, as herein-
before described.

Thence, in sec. 19

S. 82° 29' W., 9.70 chs.

S. 61° 55' W., 17.40 chs.

Limited Dependent Resurvey and Accretion Survey,
T. 2.N., R. 22 W., G. & S. R. Mer., Arizona

Chains

S. 53° 32' W., 4.99 chs.

S. 61° 13' W., 6.93 chs.

S. 55° 55' W., 18.87 chs. To the W. bdy. of the Tp., North, 61.51 chs. from the cor. of secs. 24 and 25, T. 2 N., R. 23 W., as reported in the official record of that township concurrently resurveyed.

General Description

So much of the township as was surveyed east of the Colorado River is for the most part gently rolling desert on the bench lands above the river. There is immediately along the river, however, an alluvial flat out from the base of the descending bench. These flatlands have been cleared or are being cleared for cultivation. Where not cleared, the areas are covered with a dense growth of arrowweed, salt cedar and mesquite. The bottomland soil is a deep sandy loam. On the desert areas the soil is a coarse gravel loam supporting a scattered growth of palo verde, ironwood and cacti.

The lands surveyed west of the river are a part of the general flatlands of Palo Verde valley. Except for a marginal fringe of timber and undergrowth along the right bank, the areas have been precisioned leveled and are under active cultivation or other productive use.

The old desert road from Ehrenberg to Cibola valley traverses down the east side of the river. Lands west of the river are completely accessible by black-topped highways, field roads or roads atop the several major irrigation canals.

There is no apparent evidence of minerals present or past mining activity.

36

CERTIFICATE OF CADASTRAL SURVEYOR

We, Donald A. Cannon & Leonard W. Murphy, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of September, 1960, and supplemental special instructions dated January 17, 1961, ~~known as~~ we have executed the dependent resurvey and accretion survey in Township 2 North, Range 22 West

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by us and under our direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 7, 1962 (Date)

Donald A. Cannon (Cadastral Surveyor)

March 7, 1962 (Date)

Leonard W. Murphy (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 19 1962, 19

The foregoing field notes of the ~~known as~~ limited dependent resurvey and accretion survey, Township 2 North, Range 22 West, Gila & Salt River Mer., Arizona,

executed by Donald A. Cannon and Leonard W. Murphy

having been critically examined and found correct, are hereby approved.

[Signature] Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in, is a true copy of the original field notes.

(Date)

(Cadastral Engineering Staff Officer)