

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management

Indexed ✓

FIELD NOTES

BOOK 4380

of the

Dependent Resurvey and survey of a

Portion of the West Boundary and

Subdivision, and survey of the

Mean High Water margin of the

1920 (abandoned) Channel of the

Colorado River; in

T. 8 S., R. 22 W.,

Of the Gila and Salt River Meridian,

In the State of Arizona.

EXECUTED BY

Quintin Campbell, Cadastral Engineer,

Under special instructions dated December 9th, 1948, which provided

for the surveys included under Group No. 258, bearing the approval of the

Director, Bureau of Land Management,

Commissioner of the General Land Office under date of February 4, 1949

and assignment instructions dated December 28, 1948.

Survey commenced January 6, 1949.

Survey completed March 16, 1949.

4380

4380

INDEX DIAGRAM.

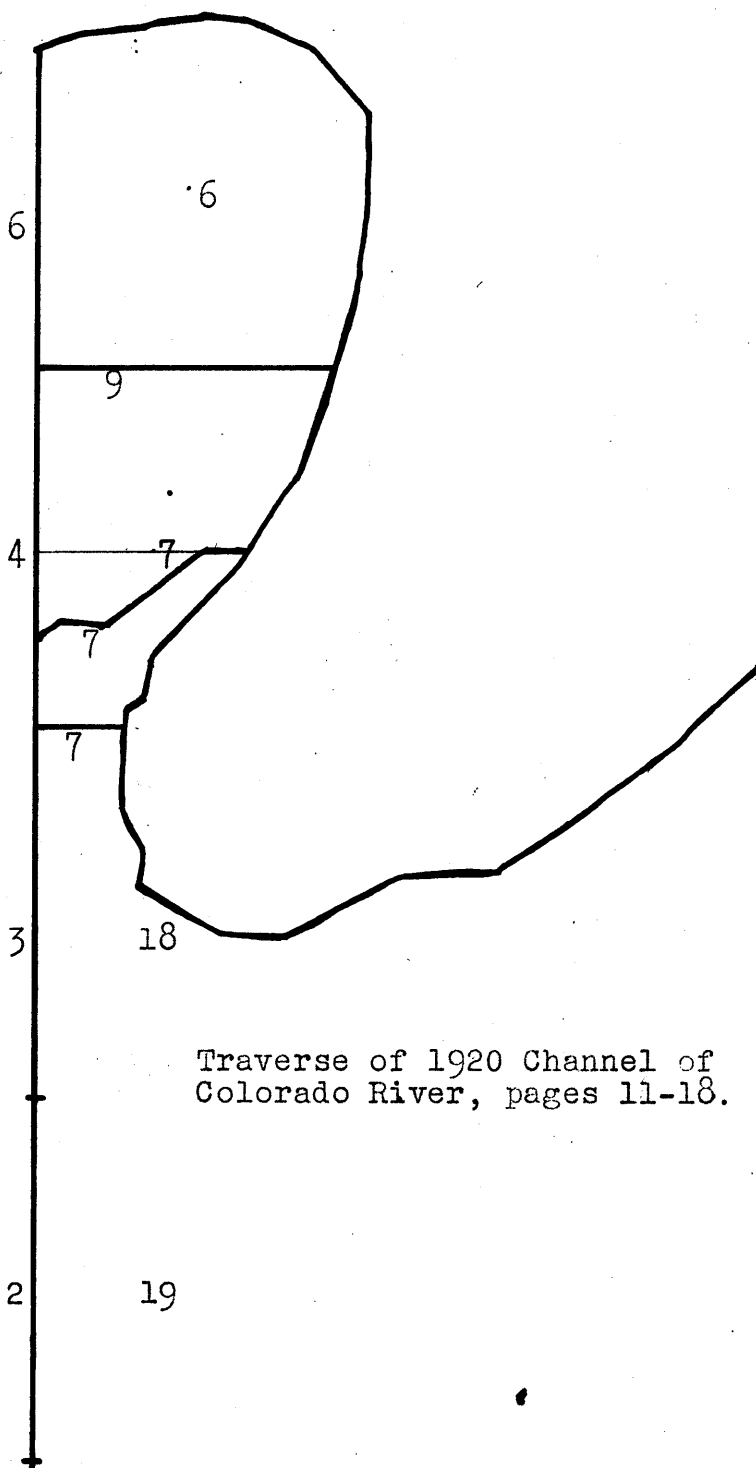
Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

INDEX DIAGRAM

T.8 S., R.22 W., G.& S.R.M.

Arizona.



10-18

Township 8 South, Range 22 West, G. & S.R.M., Arizona.

BOOK 4380

T.8 S., R.22 W., G. & S.R. M., Arizona, was originally surveyed by Deputy T. F. White; disposals herein are based upon the plat of said survey approved May 18, 1874 on file in the Bureau of Land Management.

Retracement surveys executed by John L. Warboys, U.S. Surveyor, in 1928-29, in Ts.8 S., Rs.22 & 23 W., G.& S.R.M., indicated that the Colorado River, on June 8, 1920, made an avulsive change and cut an entirely new channel across the narrows or neck of a bend, thereby shortening the river channel approximately seven miles. Due to the abrupt character of this change in channel the State boundary did not change but remained, as a permanent boundary, at the center line of the river channel occupied immediately prior thereto.

The Colorado River having been held to be a navigable stream in the locality, the lands in the bed of the abandoned channel passed to the States of Arizona and California upon their admission into the Union. The United States, as riparian owner of the abutting lands, is entitled to claim such lands to mean low or to mean high water mark, in conformity to the laws of the State. Changes in the river channel subsequent to the survey of 1874 and prior to 1920 were so pronounced as to require consideration of ownership of lands formed by accretion. This Department, in the case of R. M. Stricker et al (50 L.D. 357) cites the syllabus as follows:

"Where, prior to divestiture of the Government's title to public land abutting on a meander line, an accretion had formed and the original survey had ceased to correctly represent the approximate shore line, title to the added area does not pass under a patent for the surveyed upland."

See also 46 L.D. 461 and Wittmayer et ux v. U.S., (18 Fed. 2nd. 808).

The following resurvey and survey was initiated on the official request of the Bureau of Reclamation. Office authority to proceed with the directed field work is contained in memorandum 'E' 45152 addressed to Regional Administrator, Region II, under date of October 21, 1948.

Before restoring any corner monuments, the lines of the original survey were retraced; no evidence of said survey was found. The resurvey was then based upon record position determined from the nearest identified corner south of the present channel of the Colorado River.

The survey was executed with W. & L.E. Gurley solar transit, serial No. 481350, elevations and river grade lines were determined with Gurley level No. 231439. The instruments were in good adjustment, and were tested and found free from appreciable error prior to beginning the survey.

The direction of lines were determined by deflection from U.S. Coast & Geodetic Survey azimuth station YUMA, in latitude 32°42'42" N., and longitude 114° 37' 03.5" W., and carried forward by sustained angulation. River traverse lines were run by solar transit method, checked upon the direct lines of the survey grid. Measurements were made with Lufkin steel tapes, 5 chs. in length, graduated in tenths and links for the first 10 and 100 lks. respectively and the balance at intervals of 10 lks. The tapes were first tested by comparison with a Lufkin standard steel tape, 1 ch. in length, and found correct. The calculated geographic position of the cor. of secs. 19, 24, 25 and 30, T.8 S., Rs. 22 & 23 W., is -Latitude; 32°42'47" N., and Longitude; 114°33'50" W.

98
-073 D

2.

BOOK 4380

Dependent Resurvey of Part of the W. Bdy. of T.8 S., R.22 W.

G. & S.R.M.

Chains

Reestablishment of survey executed by T. F. White, Deputy Surveyor, in 1874.

The cor. of secs. 19, 24, 25 and 30, T.8 S., Rs.22 & 23 W. is evidenced by a Bureau of Reclamation regulation iron post monument, 2 ins. diam., buried 18 ins. below surface of the ground, with brass cap mkd.

T8S	
R23W	R22W
S 24	S 19
S 25	S 30

1941

Additionally mark brass cap B L M 1949.

A four strand barbed wire fencing extends N. and S. from the corner.

North, bet. secs. 19 and 24.

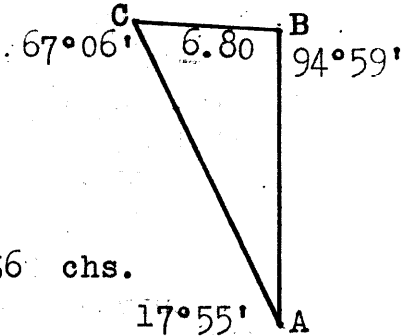
Over level land, along wire fencing through cultivated field.

15.00 Leave cultivated land, desc. 5 ft. into bottom land, subject to overflow; enter dense undergrowth, bearing NW. and SE. End of wire fencing.

24.70 Left margin of main channel of Colorado River, in bluff bank, 4 ft. high, bearing N.80°W.

To determine the distance across the river, designate this point as station A, and set flag B. on line on the north bank, from which flag C., N.85°01'W., 6.80 chs. dist. therefrom bears N.17°55'W.

All angles by repetition, closing error of 10" is dropped in the final calculation.



40.00 Point for 1/4 sec. cor., falls in Colorado River, course N.80°W.

Distance across the river is 20.36 chs.

45.06 Point B. North margin of Colorado River, on bluff bank 6 ft. high, bearing N.85°W.

Point for meander cor. of secs. 19 and 24, Ts. 8 S., Rs.22 & 23 W. falls in an impermanent location.

47.00 Point for witness 1/4 sec. cor.,

Set an iron post, 3 ft. long, 3 ins. diam., in concrete cone 6 ins., diam., 30 ins. in the ground, with brass cap mkd.

1	
4	
S 24	S 19
W C	
1949	

Dependent Resurvey of Part of the W. Bdy. of T.8 S., R.22 W.

G. & S. R. M.

Chains

Bury a broken white glass bottle alongside post.

47.10 Point for witness meander cor.

Set an iron post, 3 ins. diam., 30 ins. long, in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.

T8S	
R23W	R22W
S 24	S 19

M C	
W C	
1949	

Bury a broken brown glass bottle alongside post.

Continue over nearly level land, through dense undergrowth.

80.00 Point for cor. of secs. 13, 18, 19 and 24, at record dist. in latitude; there is no remaining evidence of the original corner.

Set an iron post, 3 ins. diam., 3 ft. long, in concrete cone, 6 ins. diam., 28 ins. in the ground, with brass cap mkd.

T8S	
R23W	R22W
S 13	S 18
S 24	S 19

1949	

Bury broken brown and white glass alongside post. Set a section of iron pipe, 2 ins. diam., 8 ft. long, 24 ins. in the ground, 2 lks. S. of post.

Land, nearly level sedimentary bottom.

Soil, river silt and sand, 1st rate.

Timber, scattered cottonwood.

Undergrowth, salt-cedar, arrowweed, willow, mesquite.

North, bet. secs. 13 and 18.

Over bottom land, through dense undergrowth. An irrigation ditch flowing north, parallels line about 1.65 chs. to the W. Unimproved roadways parallel ditch on the E. and W.

15.00 Leave heavy undergrowth, continue through low arrowweed bearing NE. and SW.

27.90 Shallow wash, drains to SW.

30.00 Lateral ditch, extends West, along S. side of cultivated field, from a point 1.60 chs. W.

40.00 Point for $\frac{1}{4}$ sec. cor. of secs. 13 and 18, at record dist., in latitude. There is no remaining evidence of the original corner.

Dependent Resurvey of Part of the W. Bdy. of T.8 S., R.22 W.

G. & S.R.M.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., in concrete block, 5 ins. square, 30 ins. in the ground, with brass cap mkd.

1/4
S 13 | S 18
1949

Bury a white glass bottle and 3 granite rocks alongside iron post.

Set a pine post, 6 ins. square, 7 ft. long, 2 ft. in the ground, 5 lks. N. of corner.

Irrigation ditch, on E. side of cultivated field, bears West 1.20 chs. dist.

Continue over level bottom land, through light arrowweed.

50.00 North line of cultivated land, lying west of irrigation ditch, bears West 1.20 chs. dist.

80.00 Point for cor. of secs. 7, 12, 13 and 18, at record dist., in latitude. There is no remaining evidence of the original corner.

Set an iron post, 3 ft. long, 3 ins. diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.

T8S
R23W R22W
S 12 | S 7
S 13 | S 18

1949

Bury a brown glass bottle and 3 granite rocks alongside iron post.

Land, sedimentary river bottom.
Soil, silt, 1st rate.
Timber, scattered cottonwood, mesquite and willow.
Undergrowth, arrowweed.

North, bet. secs. 7 and 12.

Over level bottom land, through light undergrowth.

19.00 Point for meander cor. of secs. 7 and 12, at record dist., in latitude. There is no remaining evidence of the original monument.

This point is now Angle Point No. 1 of a traverse line defining a portion of the 1874 meanders of the Colorado River in fractional sec. 7.

Set an iron post, 3 ft. long, 3 ins. diam., in concrete cone 6 ins. diam., 28 ins. in the ground, with brass cap mkd.

Dependent Resurvey of Part of the W. Bdy. of T.8 S., R.22 W.

G. & S.R.M.

BOOK 4380

Chains

T8S
 S 12 | AP 1
 S 7
 R23W | R22W
 1949

Set a piece of railroad iron 5 ft. long, 2 ft. in the ground, 4 lks. S. of corner.

From this point a Bureau of Reclamation bench mark, published elevation 137.17 ft., a regulation brass tablet 4 ins. diam., seated in concrete form 6 ins. diam., 12 ins. above ground, firmly set, bears N.44°38'E., 3.96 chs. dist. This monument is on Line R S 7, at Sta. 0+00 and R S 6, at Sta. 102+72.4.

Survey of Part of the W. Bdy. of T.8 S., R.22 W.

North bet. secs. 7 and 12, continuing measurement.

23.90 Irrigation ditch, paralleling this line, here turns to the West.

40.00 Point for 1/4 sec. cor. of secs. 7 and 12.

Set an iron post, 3 ft. long, 2 ins. diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.

1/4
 S 12 | S 7
 1949

Bury a ring of granite rock around iron post, 10 ins. below surface of ground.

Set a piece of 3 in. angle iron, 5 ft. long, 2 ft. in the ground, 4 lks. N. of corner.

A residence bears S.72°19'W., 37.25 chs. dist.

48.10 Roadway; bears E. and W.

64.70 Roadway, bears N.70°W. and S.70°E.

79.45 Roadway, bears NE. and SW.

72.40 Enter cultivated field, bearing E. and W.

80.00 Point for cor. of secs. 1, 6, 7 and 12.

Set an iron post, 3 ft. long, 3 ins. diam., in concrete cone, 6 ins. diam., 28 ins. in the ground, with brass cap mkd.

T8S
 R23W | R22W
 S 1 | S 6
 S 12 | S 7
 1949

Bury a brown glass bottle and granite rock, 12 x 8 x 8 ins. mkd. with cross, alongside iron post.

Survey of Part of the W. Bdy. of T.8 S., R.22 W.

G. & S.R.M.

Chains

Set a piece of east iron pipe, 5 ft. long, 3 ins. diam., 18 ins. in the ground, 2 1/2 lks. N. of corner.

Land, level.
Soil, sedimentary silt, 1st. rate.
Timber, mesquite.
Undergrowth, arrowweed.

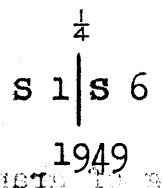
North, bet. secs. 1 and 6.

Over cultivated land.

- 2.90 Irrigation ditch, course E.
- 18.00 An abandoned house bears S. 89° E. 7.50 chs. dist. Leave field, enter light undergrowth.
- 19.30 Roadway, bears E. and W.
- 23.40 Old road, bears NE. and SW.
- 33.63 High tension power line, 5 wires on double wood poles, bears N. 86° 08' 30" E. and S. 86° 08' 30" W. Service roadway follows power line.

40.00 Point for 1/4 sec. cor. of secs. 1 and 6.

Set an iron post, 3 ft. long, 2 ins. diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.



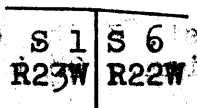
Bury broken white glass and a few granite rocks alongside iron post.

69.30 Mean high water line of left bank of the 1920 (abandoned) channel of the Colorado River, bearing E. and W.

Point for cor. of secs. 1 and 6; and angle point No. 27.

Set an iron post, 3 ft. long, 3 ins. diam., in concrete cone 6 ins. diam., 28 ins in the ground, with brass cap mkd.

AP 27

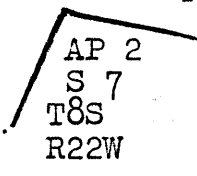
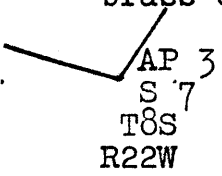


Bury broken white bottle glass alongside of iron post. Set railroad iron 6 ft. long, 2 ft. in the ground, 3 lks. S. of corner.

This corner monument is set at elevation of 133.00 ft. above mean sea level.

From this point the cor. of secs. 16 and 17, and angle

Partial Subdivision of Sec. 7, T. 8 S., R. 22 W.,
G.&S.R.M.

Chains	Set a railroad rail, 5 ft. long, 2 ft. in the ground, 4 lks. E. of cor.
48.21	<p>Intersect traverse of mean high water line of left bank of the 1920 (abandoned) channel of the Colorado River.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of sec. 7.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., in concrete form, 5 ins. square, 30 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S 7/ 1949</p> <p>From point of intersection, AP 16 on the traverse of the left bank of the 1920 (abandoned) channel of the Colorado River bears S. 23° 18' W., 4.63 chs. dist.</p> <p>-----</p> <p>From Angle Point No. 1, on the W. bdy. of sec. 7, restoring, as a permanent boundary, the 1874 meander line of the left margin of the Colorado River.</p> <p>Over level land, through dense undergrowth.</p> <p>N. 45° 30' E., 5.90 chs. Point for angle point No. 2.</p> <p style="text-align: right;">Set an iron post, 3 ft. long, 1 in. diam., in concrete cone, 6 ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">  <p>AP 2 S 7 T8S R22W</p> <p>1949.</p> </div> <p style="text-align: right;">Set a railroad iron, 5 ft. long, 2 ft. in the ground, 4 lks. E. of cor.</p> <p>S. 86° 00' E., 14.75 chs. Point for angle point No. 3.</p> <p style="text-align: right;">Set an iron post, 3 ft. long, 1 in. diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">  <p>AP 3 S 7 T8S R22W</p> <p>1949</p> </div> <p style="text-align: right;">Set a railroad iron 4 ft. long, 2 ft. in the ground, 4 lks. W. of cor.,</p> <p>N. 47° 00' E., 15.50 chs. Point for angle point No. 4.</p> <p style="text-align: right;">Set an iron post, 3 ft. long, 1 in. diam., in concrete form, 5 ins. square, 28 ins. in the ground, with brass cap mkd.</p>

Chains

AP 4
S 7
T8S
R22W

1949

Set a railroad iron, 6 ft. long, 2 ft. in the ground, 4 lks. S. of cor.

N. 48°00'E., 11.39 chs. Intersect the E. and W. center line of sec. 7 at a point N. 89°33'E. 38.73 chs. dist. from the 1/4 sec. cor. of secs. 7 and 12.

Point for angle point No. 5.

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

C AP 5 C
S 7
T8S
R22W
1949

Set a railroad rail, 4 ft. long, 2 ft. in the ground, 4 lks. W. of cor.

Survey of Part of the Subdivision of T. 8 S., R. 22 W.

From the cor. of secs. 1, 6, 7, and 12, on the W. bdy. of the Tp.

East, bet. secs. 6 and 7.

Over level land, through cultivated field.

13.40 Irrigation ditch, course S. 70°E. Leave field.

14.20 Garrison's house, bears N., 18.10 chs. dist.

14.60 Fence parallel to ditch; enter pasture.

27.75 Fence, bears N. and S.; leave pasture and enter undergrowth.

39.89 Point for the 1/4 sec. cor. of secs. 6 and 7.

Set an iron post, 3 ft. long, 2 ins. diam., in concrete cone, 6 ins. diam., at top, 30 ins. in the ground, with brass cap mkd.

S 6
1/4 -----
S 7

1949

Bury a white glass bottle alongside the iron post.

55.00 Enter sandy area, bears N. and S.; scattering undergrowth.

Survey of Part of the Subdivision, T.8S., R. 22 W.

Chains
63.58

Intersect traverse of mean high water line of the left bank of the 1920 (abandoned) channel of the Colorado River, bears NE. and SW.

Point for the cor. of secs. 6 and 7, and angle point No. 18.

Set an iron post, 3 ft. long, 3 ins. diam., in concrete cone 6 ins. diam. at top, 28 ins. in the ground, with brass cap mkd.

$$\begin{array}{r} T8S \\ S 6 \\ S 7 \\ R22W \\ 1949 \end{array} \bigg/ AP 18$$

from which

A honey mesquite, 10 ins. diam., the E. fork, bears N.85°15'W., 185 lks. dist., mkd. T8S R22W S6 BT.

Set a railroad iron, 4 ft. long, 2 ft. in the ground, 3 lks. W. of cor.

Land, level.

Soil, sandy silt, 1st and 2nd rate.

Timber, none; undergrowth, scattered arrowweed and willow.

Traverse of the Left Bank of the 1920 (abandoned) channel of the Colorado River, at Mean High Water, down stream.

The left margin of the 1920 (abandoned) channel of the Colorado River, at mean high water, is designated as a permanent boundary.

Mean elevation of the water level was determined from the Bureau of Reclamation river gauge readings, compiled from 1899 to 1920, at Station T 7, Yuma, Arizona.

The discharge flow of the Gila River, which enters the Colorado River above this gauge station, was eliminated prior to final grade determination. The final gradient, through the area under survey, was calculated to be 1.20 ft. per mile; final returns are fairly consistent therewith.

The initial point of this traverse, and Angle Point No. 1 thereof, is situated at the point of departure of the 1920 (abandoned) channel from the present right margin of the Colorado River, here flowing S.25°W.

At point for corner.

Set a railroad rail, 4 ft. long, 3 ft. in the ground, for angle point No. 1.

At a point, N.60°W., 1.00 ch. dist. from the corner.

Set an iron post, 3 ft. long, 2 ins. diam., in concrete cone, 6 ins. diam at top, 28 ins. in the ground, for a reference monument, with brass cap mkd.

Traverse of the Left Bank of the 1920 (abandoned) Channel of the Colorado River, at Mean High Water, Down stream.

BOOK 4380

T.8 S., R.22 W.

Chains

T8S
AP 1 / R22W
RM S 8

1949

At a point S.60°W., 1.00 ch. dist from cor.

Set an iron post, 3 ft. long, 2 ins. diam., in concrete cone, 6 ins. diam., 28 ins. in the ground, for reference monument, with brass cap mkd.

RM
AP 1 / T8S
R22W
S 8

1949

From Angle Point No. 1, the cor. of secs. 22 and 27, and angle point No. 9, T.16 S., R.23 E., S.B.M., California, bears N.89°21'W., 19.74 chs. dist., described in the field notes of survey executed in 1949.

Thence with traverse of mean high water of left bank of 1920 (abandoned) channel of the Colorado River, in secs. 8, 17 and 18.

S.37°50'W., 29.88 chs. Point for angle point No. 2.

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

T8S
AP 2 / R22W
S 17

1949

Set a railroad iron 4 ft. long, 2 ft. in the ground, 3 lks. E. of cor.

S.49°38'W., 23.62 chs. Point for angle point No. 3.

Set an iron post, 3 ft. long, 1 in. diam., in concrete cone 6 ins. diam., 32 ins. in the ground, with brass cap mkd.

T8S
AP 3 / R22W
S 17

1949

S.53°28'W., 24.15 chs. Point for angle point No. 4.

Set an iron post, 3 ft. long, 1 in. diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.

T8S
AP 4 / R22W
S 17

1949

Traverse of the Left Bank of the 1920 (abandoned) Channel of the Colorado River, at Mean High Water, Down stream.

T.8.S., R.22 W.

S.87°40'W., 23.93 chs., Point for angle point No. 5.

Set an iron post, 3 ft. long, 1 in. diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.

AP 5

S 17

T8S

R22W

1949

From this point the cor. of secs. 27 and 28, and angle point No. 15, T.16 S., R.23 E., S.B.M., Calif., bears N.1°15'E., 11.40 chs. dist., described in the field notes of survey executed in 1949.

S.64°34'W., 29.00 chs., Point for angle point No. 6.

Set an iron post, 3 ft. long, 1 in diam., in concrete cone 6 ins. diam., 28 ins. in the ground, with brass cap mkd.

AP 6

S 18

T8S

R22W

1949

Set a railroad iron 6 ft. long, 3 ft. in the ground, 4 lks. W. of cor.

West

Across wind blown sand dunes, through very light undergrowth.

15.30 chs.

Point for angle point No. 7.

Set an iron post, 3 ft. long, 1 in diam., in concrete cone 6 ins. diam., 28 ins. in the ground, with brass cap mkd.

AP 7

S 18

T8S

R22W

1949

Set an iron pipe, 3 ins. diam. 8 ft. long, 3 ft. in the ground, 3 lks. W. of cor.

N.52°30'W., 23.10 chs.

At 21.00 chs. cross old channel course S.30°W. Asc. bank 8 ft. high. Leave sand dunes.

Point for angle point No. 8.

Set an iron post, 3 ft. long, 1 in diam., in concrete form 5 ins.

Traverse of the Left Bank of the 1920 (abandoned) Channel of the Colorado River, at Mean High Water, Down stream.

BOOK 4380

<p>square, 30 ins. in the ground, with brass cap mkd.</p> <p>S 18 T8S } AP 8 R22W</p>	<p>1949</p> <p>Set a railroad iron 2 ft. long, 1 ft. in the ground, 1 lk. W. of cor.</p>
<p>N.16°34'E., 7.94 chs.</p>	<p>Along sharply defined bank, 8 ft. high, through dense arrowweed.</p> <p>Point for angle point No. 9.</p>
<p>N.21°59'W., 11.02 chs.</p>	<p>Set an iron post, 3 ft. long, 1 in diam., in concrete cone 6 ins. diam., 30 ins. in the ground, with brass cap mkd.</p> <p>S 18 T8S } AP 9 R22W</p> <p>1949</p>
<p>N.2°13'E., 18.04 chs.</p>	<p>Point for angle point No. 10.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., in concrete form 5 ins. square, 30 ins. in the ground, with brass cap mkd.</p> <p>S 18 T8S } AP 10 R22W</p> <p>1949</p>
<p>N.12°38'E., 2.66 chs.</p>	<p>To cor. of fractional secs. 7 and 18, and angle point No. 11, described on page 7.</p> <p>-----</p> <p>Thence, in sec. 7.</p> <p>Point for angle point No. 12.</p>
<p>Set an iron post, 3 ft. long, 1 in diam., in concrete form 5 ins. square, 30 ins. in the ground, with brass cap mkd.</p>	<p>Set an iron post, 3 ft. long, 1 in diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.</p>
<p>S 7 R22W } AP 12</p>	<p>1949</p> <p>This cor. is on top of a well defined bank, about 10 ft. high, sloping steeply to the E., and opposite the south end of a pocket of water, 2 chs. wide, and about 8 chs. long.</p>

Traverse of the Left Bank of the 1920 (abandoned) Channel of the Colorado River, at Mean High Water, Downstream.

T.8 S., R.22 W.

N.47°58'E., 5.21 chs.

Point for angle point No. 13.

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

T8S
R22W AP 13
S 7

1949

N.20°36'E., 8.18 chs.

At 3.00 chs. leave north margin of water, at base of steep bank about 8 ft. high.

At end of course, and on top of steep bank

Point for angle point No. 14.

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

T8S
R22W AP 14
S 7

1949

Continue along crest of steeply sloping bank, about 8 ft. high.

N.45°18'E., 23.62 chs.

At 5.00 chs. the south end of a narrow slough of water extending to the N., bears East 1 ch. dist.

At 19.00 chs. North end of slough.

At end of course, on top of bank,

Point for angle point No. 15.

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

T8S
R22W AP 15
S 7

1949

N.31°19'E., 6.65 chs.

Point for angle point No. 16

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

T8S
R22W AP 16
S 7

1949

from which

Traverse of the Left Bank of the 1920 (abandoned) Channel
of the Colorado River, at Mean High Water, Down stream

...
...
...

A cottonwood, 28 ins. diam. bears
S.28 $\frac{1}{2}$ °E., 209 lks. dist., mkd.
AP 16 BT

N.23°18'E., 25.09 chs.
...
...

Along top of sloping bank, 6 ft.
high, through dense arrowweed.
At 4.63 chs., intersect $\frac{1}{4}$ sec.
cor. of sec. 7, described on page
9.

...
...
...

At end of course, point for angle
point No. 17.

...
...
...

Set an iron post, 3 ft. long, 1
in diam., in concrete form 5 ins.
square, 28 ins. in the ground,
with brass cap mkd.

T8S
R22W / AP 17
S 7
1949

...
...
...

Bury broken, white bottle along-
side iron post.

N.19°25'E.,
...

Along gently sloping bank, in low
sand dunes and light undergrowth.

22.08 chs.
...
...

The cor. of frac. secs. 6 and 7,
and angle point No. 18, described
on page 10.

Thence, in sec. 6.

N.15°07'E., 19.76 chs.

Along sandy beach slope, through
light undergrowth.

Point for angle point No. 19.

...
...
...

Set an iron post, 3 ft. long, 1
in. diam., in concrete form 5 ins.
square, 28 ins. in the ground,
with brass cap mkd.

T8S
R22W / AP 19
S 6
1949

N.13°30'E., 18.11 chs.

Point for angle point No. 20.

...
...
...

Set an iron post, 3 ft. long, 1
in diam., in concrete form 5 ins.
square, 27 ins. in the ground,
with brass cap mkd.

T8S
R22W / AP 20
S 6
1949

Traverse of the Left Bank of the 1920 (abandoned) Channel of the Colorado River, at Mean High Water, Down stream.

T.8 S., R.22 W.

Set a railroad iron, 4 ft. long, 2 ft. in the ground, 3 lks. E. of cor.

N. 2°45'E., 15.50 chs.

At 1.87 chs., an electric power transmission line, 5 wires on double wood poles, bears N.86°09'E and S.86°09'W. A service road follows this line.

At 3.32 chs., point for 1/4 sec. cor. of sec. 6, 40.00 chs. in latitude from the cor. of secs. 6 and 7.

Set an iron post, 3 ft. long, 2 in. diam., in concrete cone 6 ins. diam., 27 ins. in the ground, with brass cap mkd.

1/4 S 6

1949

from which

Pole No. 72, on power line, bears S.3°45'E., 1.32 chs. dist.

At end of course: point for angle point No. 21.

Set an iron post, 3 ft. long, 1 in diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

T8S / R22W / S 6 } AP 21

1949

Set a pine post, 6 ft. long, 4 in. square, 2 ft. in the ground, 3 lks. W. of cor., - also set a railroad iron, 3 ft. long, 18 ins. in the ground, 2 lks. E. of cor.

The cor. of frac. secs. 15 and 16 and angle point No. 36, T.16 S., R.23 E., S.B.M., California, bears N.30°19'E., 12.46 chs., dist., described in the field notes of resurveys executed in 1949.

A frame residence, occupied by a Negro family, bears N.56°E., 7.60 chs. dist.

N.38°15'W., 20.90 chs.

Point for angle point No. 22:

Set an iron post, 3 ft. long, 1 in diam., in concrete form 5 ins. square, 27 ins. in the ground, with brass cap mkd.

Transverse of the Left Bank of the 1920 (abandoned) Channel
of the Colorado River, at Mean High Water, Down stream

BOOK 4380

AP 22

T8S
R22W
S 6

1949

from which

A tamarisk, 15 ins. diam., bears
S.72°E., 165 lks. dist., mkd.
AP 22 BT

Set a railroad iron 5 ft. long,
2 ft. in the ground, 3 lks. SE. of
cor.

Point for angle point No. 23.

Set an iron post, 3 ft. long; 1 in.
diam., in concrete form 5 ins.
square, 28 ins. in the ground,
with brass cap mkd.

AP 23

T8S
R22W
S 6

1949

Set a railroad iron 4 ft. long, 2
ft. in the ground, 2 lks. S. of
cor.

Along low sand bank; sloping N.

Point for angle point No. 24.

Set an iron post, 3 ft. long, 1 in.
diam., in concrete form 5 ins.
square, 30 ins. in the ground,
with brass cap mkd.

AP 24

S 6
T8S
R22W

1949

Set a railroad iron, 4 ft. long,
2 ft. in the ground, 3 lks. SE. of
cor.

The NE. corner of concrete foundat-
ion of Barret's residence, bears
S.65½°W., 87 lks. dist.

At 3.74 chs., point for ¼ sec. cor.
of sec. 6, 39.89 chs. in departure
from the cor. of secs. 1 and 6, on
W. bdy. of Tp.

Set an iron post, 3 ft. long, 2 in.
diam., in concrete form 5 ins.

N.64°30'W., 10.80 chs.

N.74°00'W.,
7.70 chs.

S.78°30'W., 7.80 chs.

Traverse of the Left Bank of the 1920 (abandoned) Channel of the Colorado River, at Mean High Water, Down stream.

square, 30 ins. in the ground, with brass cap mkd.

1/4 S 6

1949

At 6.00 chs., road bears E. to Barret's house.

At 6.50 chs., a pumping plant, in dug channel from the south margin of narrow lake, extending East, about 30 chs., bears North, 40 lks. dist.

At end of course; point for angle point No. 25.

Set an iron post, 3 ft. long, 1 in. diam., in concrete form 5 ins. square, 28 ins. in the ground, with brass cap mkd.

AP 25

S 6
 T8S
 R22W

1949

Set a vitreous tile pipe, 3 ft. long, 6 ins. diam., 18 ins. in the ground, 3 lks. S. of cor.

Point for angle point No. 26.

Set an iron post, 3 ft. long, 1 in diam., in concrete form 5 ins. square, 30 ins. in the ground, with brass cap mkd.

AP 26

S 6
 T8S
 R22W

1949

Set a railroad iron 4 ft. long, 2 ft. in the ground, 2 lks. S. of cor.

Over flat land, sloping gently to the North.

The cor. of secs. 1 and 6, on W. bdy. of Tp., and angle point No. 27, described on page 6.

N.87°30'W., 13.30 chs.

S.77°19'W., 23.19 chs.,

Traverse of the Left Bank of the 1920 (abandoned) Channel
of the Colorado River, at Mean High Water, Down stream,

BOOK 4380

T.8 S., R.22 W.

For continuation of the survey of the left margin of the 1920 (abandoned) channel of the Colorado River, see field notes of surveys in T.8 S., R.23 W., executed under this group.

GENERAL DESCRIPTION

The area herein under survey is a low flood plain of the Colorado River. Prior to the construction of upper dams and the resultant control of river waters, this area was subject to recurrent flooding and pronounced changes in the course of the river. The severe avulsive change that occurred in the Spring of 1920 so altered the course of the river as to cut off a large segment of land, since lying entirely to the north of the then newly created channel.

The soil is a sandy sedimentary silt, finely textured and closely packed. A dense growth of arrowweed and salt cedar predominates, with mesquite, willow and cottonwood bordering the old river channel. Several small 'lakes' and swamp pockets exist, bordered or overgrown in dense tule.

A few scattered farmsteads are noted; a growing attention is manifest in the natural productivity of the soil and of the ease of irrigation. Several unimproved roadways permit of easy access.

The regulation iron post survey monuments here used, were all encased in well tamped concrete, in forms 3 ft. long 5 ins. square, and in conical forms, 7 in. base diameter, 5 ins. top diameter, also 3 ft. long. Few corner accessories are recorded; some heavy scrap metal and granite stones were transported in for auxiliary markers, the soil was not sufficiently firm to provide lasting pits.

The mean observed magnetic declination is 15°50'E.

116

20

4-680
(August 1947)

BOOK 4380

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Thomas L. Winkler	Survey Aid, SP-4.
Edward A. Taylor	Survey Aid, SP-2.
Earl B. Clark	Survey Aid, SP-2.
Claren E. Fraser	Survey Aid, SP-2.
Clarence W. Norton	Survey Aid, SP-2.
Robert R. B. Manning	Survey Aid, SP-2.

117

2

BOOK 4330

CERTIFICATE OF CADASTRAL ENGINEER

I, Quintin Campbell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 9th day of December, 1948, I have re-surveyed and surveyed portions of the west boundary and subdivisional lines, surveyed the mean high water margin of the left bank of the 1920 (abandoned) channel of the Colorado River, in T.8 S., R.22 W.,

Gila and Salt River of the Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that re-survey 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.

San Francisco, California.

August 14, 1950.

Quintin Campbell
Quintin Campbell
Cadastral Engineer.

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEPTEMBER 7, 1951

The foregoing field notes of the re-survey and survey of portions of the west boundary and subdivisional lines, and survey of mean high water margin of left bank of the 1920 (abandoned) channel of the Colorado River, in T.8 S., R.22 W., of the Gila and Salt River Meridian, in the State of Arizona, executed by Quintin Campbell, Cadastral Engineer,

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

Ray G. Harrington
Chief, Branch of Engineering and Construction
Chief, Division of Cadastral 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.

Chief, Branch of Engineering and Construction.