

ORIGINAL

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

FIELD NOTES OF THE

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
THE DIVISION OF ACCRETION LINE BETWEEN
TOWNSHIPS 17 NORTH, RANGES 21 AND 22 WEST,
AND A PORTION OF THE MEANDERS OF THE LEFT BANK OF THE
ABANDONDED CHANNEL OF THE COLORADO RIVER IN SECTION 24,

AND

THE METES-AND-BOUNDS SURVEYS OF THE NORTH AND SOUTH BOUNDARIES OF
THE EASEMENT FOR THE TOPOCK INLET CANAL, ADJACENT
TO AND WITHIN THE ACCRETIONS OF SECTION 24,
TOWNSHIP 17 NORTH, RANGE 22 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated April 28, 2016, approved April 28, 2016,
which provided for the surveys included under Group No. 1154, and assignment
instructions dated April 28, 2016.

Survey commenced June 1, 2016

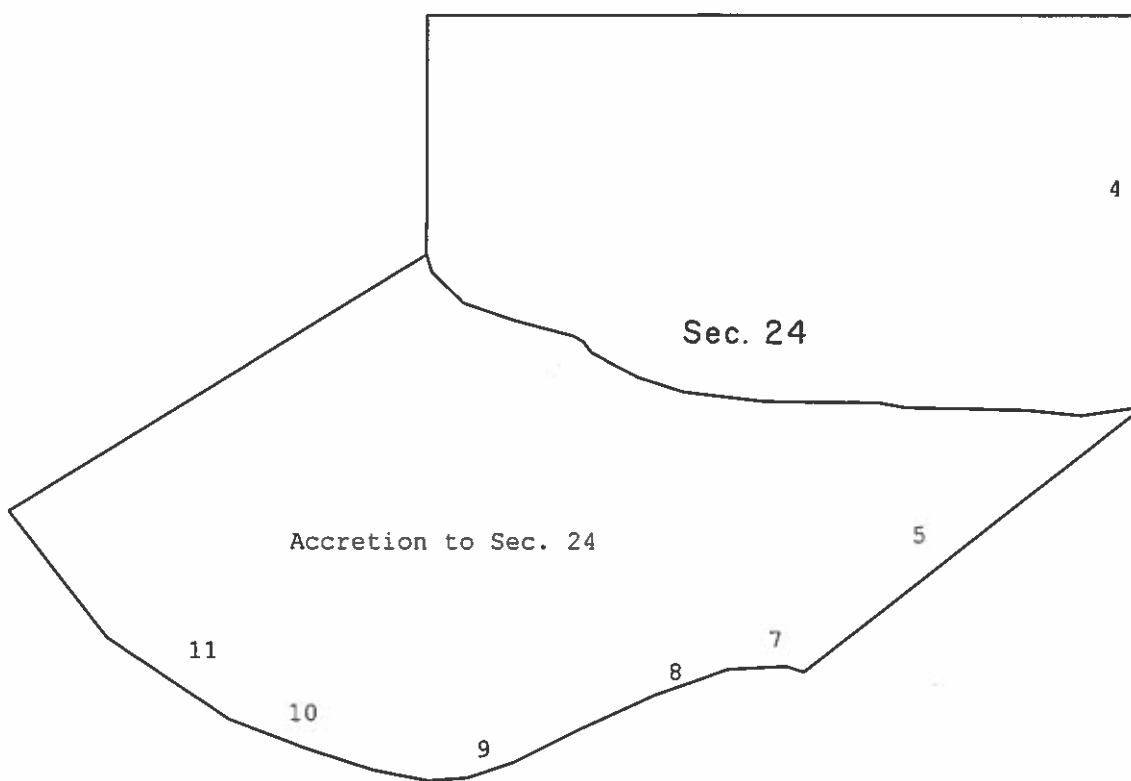
Survey completed September 21, 2016

INDEX DIAGRAM

TOWNSHIP 17 NORTH

RANGE 21 WEST

GILA AND SALT RIVER MERIDIAN, ARIZONA



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T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the east boundary, the division of accretion line between Townships 17 North, Ranges 21 and 22 West, and a portion of the meanders of the left bank of the abandoned channel of the Colorado River in section 24, and the survey of the north and south boundaries of the easement for the Topock Inlet Canal, adjacent to and within the accretions in section 24, Township 17 North, Range 22 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows: The township boundaries, subdivisional lines and the meanders of the left bank of the Colorado River were surveyed by John J. Fisher in 1905. In 1960-62, Donald A. Cannon and Robert C. Yundt, resurveyed a portion of the east boundary and surveyed the division of accretion line between secs. 19 and 24, on the east boundary of the Tp. The meander lines of the left bank of the abandoned Colorado River and the division of accretion lines within the township were surveyed by Donald A. Cannon and Leonard W. Murphy in 1962. This survey was never approved. In 1980 Paul L. Reeves resurveyed a portion of the east boundary. In 1982 Paul L. Reeves resurveyed a portion of the east boundary, the division of accretion line between secs. 19 and 24, and resurveyed the left bank of the abandoned Colorado River in accordance with the unapproved Cannon and Murphy survey.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated April 28, 2016 for Group Number 1154, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 model receivers.

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

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) NLVA LAUGHLIN CORS ARP, AZYC YUCCA CORS ARP and AZLH LAKE HAVASU CITY CORS ARP.

The NAD 83(2011)(EPOCH:2010.0000), geographic position of the corner of sections 13, 18, 19 and 24, on the east boundary of the township is as follows:

Latitude: 34°51'05.785" N.

Longitude: 114°33'44.593" W.

T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

The NAD 83(2011) (EPOCH:2010.0000), geographic position of Angle Point 11, section 24 is as follows:

Latitude: 34°50'20.540" N. Longitude: 114°35'16.196" W.

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

**Dependent Resurvey of a Portion of the East Boundary,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona**

Restoring the resurveys executed by
Paul L. Reeves, in 1980 and 1982

Beginning at the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., monumented with an iron post, 2 1/2 ins. diam., set 24 ins. below the surface, within an iron survey well, marks on the brass cap have worn off.

The NE reference monument, established in the 1980 survey, was found lying loose. Remove from area. The SE reference monument, established in the 1980 survey was not found.

from which new reference objects

An iron pipe, 4 ins. diam., projecting 11 ins. above ground bears S. 2°34' W., 61.6 ft. dist. A steel fence post is set alongside the iron pipe.

An iron pipe, 2 ins. diam., with attached, damaged and unreadable aluminum cap, set in a 6 ins. diam., concrete form, bears N. 50°14' W., 49.8 ft. dist. A steel fence post is set alongside the iron pipe.

Cor. is located at intersection of paved roads, Plantation Drive bearing E. and W., Vanderslice Road, bearing N.

S. 0°15' E., bet. secs. 19 and 24, on the E. bdy. of the Tp.

Within graded road, cultivated fields to the E. and W.

Bureau of Reclamation Land (hereinafter BOR), to the E., and Fort Mohave Indian Reservation (hereinafter FMIR), to the W.

40.00

True point for the 1/4 sec. cor. of secs. 19 and 24, at proportionate and record dist., there was no remaining evidence of the orig. cor. recovered in 1982, falls in an irrigation ditch where it is impracticable to reestablish a permanent monument. Not monumented.

Dependent Resurvey of a Portion of the East Boundary,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
40.40	<p>The witness 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 2 1/2 ins. diam., set 3 ins. below the surface, with brass cap mkd. T17N R22W R21W WC 1/4 S24 S19 1960. Add the marks 2016 to the brass cap.</p> <p>from which</p> <p style="padding-left: 40px;">An iron pipe, 5 ins. diam., projecting 21 ins. above ground bears S. 63 1/4° W., 12 lks. dist.</p> <p>Cor. is located beneath a graded farm road, 15 lks. W. of E. edge. Road is 45 lks. wide, extends N. and S.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 0°14' E., beginning new measurement.</p>
3.08	<p>The meander cor. of secs. 19 and 24, at the left bank of the Colorado River in 1905, reestablished in the 1960-62 resurvey, and designated a witness point. Monumented with an iron post, 2 1/2 ins. diam., set 2 ins. below the surface, with brass cap mkd. T17N R22W R21W S24 S19 WP 1982. Add the marks 2016 to the brass cap.</p> <p>A steel fence post is set 3 lks. S. of cor.</p> <p>Cor. is located beneath a graded farm road, 15 lks. W. of E. edge, identical with the W. edge of an earthen irrigation canal. Road is 45 lks. wide, canal is 15 lks. wide, both extend N. and S., for 30 lks., thence S. 52° W.</p> <hr style="width: 80%; margin: 20px auto;"/> <p style="text-align: center;">Dependent Resurvey of the Division of Accretion Line between Townships 17 North, Ranges 21 and 22 West, Gila and Salt River Meridian, Arizona</p> <hr style="width: 80%; margin: 20px auto;"/> <p style="text-align: center;">Restoring the resurvey executed by Paul L. Reeves, in 1982</p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the meander corner of secs, 19 and 24, on the 1905 left bank of the Colorado River, hereinbefore described.</p> <p>S. 52°06' W., between ranges 21 and 22 W.</p> <p>Over accreted lands, on the extension of the line bet. secs. 19 and 24.</p> <p>FMIR cultivated fields to the NW, BOR lands to the SE, in and along a farm road.</p>
24.00	<p>Point for the 1982 witness point at record and proportionate dist., there is no remaining evidence of the cor. Not monumented.</p>

Dependent Resurvey of the Division of Accretion Line between
Townships 17 North, Ranges 21 and 22 West,
Gila and Salt River Meridian, Arizona

CHAINS	
24.09	<p>Point selected for a witness point.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p style="margin: 0;">WP</p> <p style="margin: 0;">T17N R22W S24</p> <p style="margin: 0;">R21W S19</p> <p style="margin: 0;">2016</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post, set a steel guard post, alongside and NE of cor.</p>
44.21	<p>Point for Angle Point No. 1, Parcel No. 4, determined at proportionate dist., there is no remaining evidence of the redwood post set in the 1960-62 survey. Not monumented.</p> <p>The point for this monument was established in the 1960-62 survey, perpetuating a point created in a grant deed, conveying secs. 19 and 29 including the accretions thereof, from the Cotton Land Co., to the United States (in the interest of the BOR). Recorded in the Mohave County Recorder's Office in Deed Book No. 73, Pages 209-214.</p>
48.10	<p>Intersect the metes-and-bounds survey of the N. bdy. of the Topock Inlet Canal (hereinafter abbreviated TIC) easement, bears N. 66°49' E. and S. 66°49' W.</p> <p>The metes-and-bounds survey is hereinafter described.</p> <p>Continuing measurement, within the easement for the TIC, granted from the State of Arizona., to the BOR. Memorialized with Contract No. 14-06-300-2674, notarized on 6/10/1965.</p>
48.18	<p>The meander cor. of secs. 19 and 24, determined from the remaining 1982 cor. accessory</p> <p style="padding-left: 40px;">A water meter dial, 4 ins. diam., attached to a 20 ins. diam., irrigation pipe bears S. 25°37' E., 135.8 lks. dist.</p> <p>At the corner point</p> <p>Set a 12 ins. long, 6 sided steel drill bit, 3 ins. below the surface of a graded road.</p> <p>from which</p>

**Dependent Resurvey of the Division of Accretion Line between
Townships 17 North, Ranges 21 and 22 West,
Gila and Salt River Meridian, Arizona**

CHAINS

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground for a reference monument, bears N. 52°06' E., 19.8 ft. dist. with brass cap mkd. RM T17N S24 19.8 FT TO COR. R21W S19 2016 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

The southwest corner of a woven wire fence, 13 x 10 x 6 ft. high, enclosing a diesel fuel tank bears S. 74 1/4° E., 108.5 lks. dist.

Cor. is located 2 lks. S. of the N. edge of farm road, bears E. and bears W., curving N.

**Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona**

The following is a dependent resurvey of a portion of a 1982 survey, executed by Paul L. Reeves. In 1962 Leonard W. Murphy and Donald A. Cannon surveyed the meanders of the left bank of the abandoned Colorado River through section 24. That survey was never approved.

Due to natural and manmade factors, at present the left bank of the abandoned Colorado River in places is not discernible, in other places a low bank from 2 to 4 ft. high is present.

The entire resurvey, thus described is bounded northerly by the FMIR and southerly by sovereign lands within the State of Arizona.

From the meander cor. of secs. 19 and 24, T. 17 N., R's. 21 and 22 W., hereinbefore described.

N. 70°54' W., upstream along the left bank of the abandoned Colorado River prior to channelization.


Within the easement for the TIC, granted from the State of Arizona to the BOR. Memorialized with Contract No. 14-06-300-2674, notarized on 6/10/1965.

0.03 Intersect the metes-and-bounds survey of the N. bdy. of the TIC easement, bears N. 66°49' E. and S. 66°49' W.

The metes-and-bounds survey is hereinafter described.

Continuing measurement, depart from TIC easement.

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
2.06	<p>Point for Angle Point No. 1, sec. 24, at proportionate dist., by the compass rule adjustment, there is no remaining evidence of the 1982 monument.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, anchored in a 2 1/2 gallon plastic bucket, half filled with concrete, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 17 N R 21 W</p> <p>S 24</p> <p>AP 1</p>  <p>2016</p> </div> <p>Deposit a magnet, in a white plastic case, beneath the plastic bucket.</p> <p>Cor. is located atop a manmade dune.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 86°57' W., on line 1-2.</p>
6.59	<p>Angle Point No. 2, sec. 24, monumented with an iron post, 2 1/2 ins. diam., set 20 ins. below the surface, with brass cap mkd. T17N R22W S24 AP2 1982.</p> <p>A rusted steel fence post is set alongside the cor., replace with a steel guard post.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 70°37' W., on line 2-3.</p>
8.75	<p>Angle Point No. 3, sec. 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd. T17N R22W S24 AP3 1982. Add the marks 2016 to the brass cap.</p> <p>A steel fence post is set alongside the cor.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 65°35' W., on line 3-4.</p>
8.81	<p>Angle Point No. 4, sec. 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. T17N R22W S24 AP4 1982. Add the marks 2016 to the brass cap.</p> <p>A steel fence post is set alongside the cor.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 63°24' W., on line 4-5.</p>

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
8.36	<p>Angle Point No. 5, sec. 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. T17N R22W S24 AP5 1982. Add the marks 2016 to the brass cap.</p> <p>A steel fence post is set alongside the cor.</p> <hr/> <p>S. 71°20' W., on line 5-6.</p>
5.62	<p>Angle Point No. 6, sec. 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 ins. above ground, with brass cap mkd. T17N R22W S24 AP6 1982. Add the marks 2016 to the brass cap.</p> <p>Set a steel guard post alongside the cor.</p> <hr/> <p>S. 86°08' W., on line 6-7.</p>
4.44	<p>Angle Point No. 7, sec. 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. T17N R22W S24 AP7 1982. Add the marks 2016 to the brass cap.</p> <hr/> <p>N. 79°09' W., on line 7-8.</p>
3.265	<p>Intersect the metes-and-bounds survey of the N. bdy. of the TIC easement, bears S. 70°37' E. and N. 70°37' W. The metes-and-bounds survey of the easement is hereinafter described.</p> <p>Thence, within the easement for the TIC, granted from the state of AZ., to the BOR. Memorialized with Contract No. 14-06-300-2674, notarized on 6/10/1965.</p>
3.37	<p>Intersect a battered barbed wire fence, extends S. 71° E., and N. 71° W.</p>
6.26	<p>Point for Angle Point No. 8, sec. 24, reestablished alongside the rusted remains of a 5 ins. long section of a steel fence post, located 24 ins. below the surface.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T 17 N R 22 W S 24 AP 8 2016</p>

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located 8 lks. N. of the N. edge of a service road, bears S. 65° E. and N. 65° W.</p> <hr/> <p>N. 72°09' W., on line 8-9.</p>
8.05	<p>Within the easement for the TIC, granted from the State of Arizona to the BOR. Memorialized with Contract No. 14-06-300-2674, notarized on 6/10/1965. The metes-and-bounds survey of the easement is hereinafter described.</p> <p>Point for Angle Point No. 9, sec. 24, reestablished alongside the rusted remains of a steel fence post, the original iron post, 28 ins. long, 2 1/2 ins. diam., was found lying loose nearby.</p> <p>Reset the iron post, 28 ins. in the ground, brass cap is mkd. T17N R22W S24 AP9 1982. Add the marks 2016 to the brass cap.</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post, set a steel fence post alongside the cor.</p> <p>Cor. is located on the northerly edge of TIC service road, extends S. 70° E. and N. 70° W.</p> <hr/> <p>N. 69°24' W., on line 9-10.</p> <p>Within the easement for the TIC, granted from the State of Arizona to the BOR. Memorialized with Contract No. 14-06-300-2674, notarized on 6/10/1965. The metes-and-bounds survey of the easement is hereinafter described.</p>
1.905	<p>Intersect a battered barbed wire fence, extends N. 61° E., and S. 61° W.</p>
1.925	<p>Intersect the metes-and-bounds survey of the N. bdy. of the TIC, bears N. 61°19' E. and S. 61°19' W. The metes-and-bounds survey of the easement is hereinafter described.</p> <p>thence, exit TIC easement.</p>
9.06	<p>Angle Point No. 10, sec. 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 ins. above ground, with brass cap mkd. T17N R22W S24 AP10 1982. Add the marks 2016 to the brass cap.</p> <p>A steel fence post is set alongside the iron post.</p> <hr/>

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

N. 56°25' W., on line 10-11.

16.26

Angle Point No. 11, sec. 24, monumented with an iron post,
2 1/2 ins. diam., set 25 ins. below the surface, with brass cap
mkd. T17N R22W S24 AP11 1982.

Cor. is located beneath a graded road atop a levee, N. 55° E.,
17 lks. Dist. from the westerly edge. Levee is 40 ft. wide, bears
S. 35° E. and N. 35° W.

**Metes-and-Bounds Survey of the North Boundary of the Topock
Inlet Canal Easement, adjacent to and within Sec. 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona**

Preliminary statement: The following metes-and-bounds survey is
derived from U.S Bureau of Reclamation drawings 423-306-1246 thru
423-306-1249, dated 7-18-1966 and 7-22-1966. Under contract no.
14-06-300-1674, an easement from the State of Arizona, was granted
to the U.S. Bureau of Reclamation. The contract allowed for the
construction, maintenance and appurtenances necessary for the
Topock Inlet Canal, within the bed of the abandoned channel of the
Colorado River, adjacent to the accretion to sections 19, 20 and
29, T. 17 N., R. 21 W.

Contract no. 14-06-300-1674 omitted the mention of sec. 24,
T. 17 N., R. 22 W. This omission is superseded by the inclusion
of U.S. Bureau of Reclamation Map No. 423-300-553 made part of the
contract, the map includes section 24.

In compliance with the above stated drawings, the metes-and-bounds
survey thus executed is located 1 ft. northerly of a barbed wire
fence.

Beginning at a point marking the intersection of the medial line
of the abandoned channel of the Colorado River, with the N. bdy.
of the TIC.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins.
in the ground, anchored in a 2 1/2 gallon plastic bucket, half
filled with concrete, with brass cap mkd.

AP

TIC



2016

Deposit a magnet, in a white plastic case, beneath the plastic
bucket.

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this cor., Angle Point No. 10, of the resurvey of the Left Bank of the abandoned Colorado River, bears N. 9°41' E., 6.90 chs. dist., hereinbefore described.</p>
	<p>The medial line of the abandoned Colorado River is described in the field notes of T. 9 N., R. 23 E., San Bernardino Meridian, California, executed concurrently under this same group.</p>
	<p>N. 61°19' E., on the north bdy. of the TIC easement.</p>
	<p>Within the abandoned bed of the Colorado River, through the State of Arizona sovereign lands.</p>
1.57	<p>From this point, the midpoint of TIC at a concrete headwall, bears S. 28°41' E., 1.51 chs. dist. Headwall is 15 ft. long, 6 ft. high and 8 ins. wide, extends S. 28° E. and N. 28° W.</p>
6.05	<p>From this point, the midpoint of TIC at an iron catwalk, bears S. 28°41' E., 1.51 chs. dist. Catwalk is 85 ft. long, 3 ft. wide, extends S. 28° E. and N. 28° W.</p>
8.93	<p>Intersect the resurvey of the abandoned left bank of the Colorado River, hereinbefore described.</p>
	<p>From this point, Angle Point No. 9, bears S. 69°24' E., 1.925 chs. dist., hereinbefore described.</p>
	<p>From this same point, Angle Point No. 10, bears N. 69°24' W., 7.135 chs. dist., hereinbefore described.</p>
	<p>Thence within the accreted lands of sec. 24.</p>
9.76	<p>Point for an angle point.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, anchored in a 2 1/2 gallon plastic bucket, half filled with concrete, with brass cap mkd.</p>
	<p style="text-align: center;">T 17N R 21 W</p>
	<p style="text-align: center;">S24</p>
	<p style="text-align: center;">AP</p>
	<p style="text-align: center;">TIC</p>
	<p style="text-align: center;">2016</p>
	<p>Deposit a magnet, in a white plastic case, beneath the plastic bucket.</p>
	<p>Cor. is located N. 5° W., 1.1 ft. dist. from a downed fence cor. with dilapidated barbed wire fences extending S 71° E. and S. 61° W.</p>

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>S. 70°37' E., on the north bdy. of the TIC easement.</p> <p>Within accreted lands of sec. 24.</p>
12.38	<p>Intersect the resurvey of the left bank of the abandoned Colorado River.</p>
	<p>From this point, Angle Point No. 7, sec. 24, bears S. 79°09' E., 3.27 chs. dist., hereinbefore described.</p>
	<p>From this same point, Angle Point No. 8, sec. 24, bears N. 79°09' W., 2.99 chs. dist., hereinbefore described.</p>
	<p>Continuing measurement, within abandoned bed of Colorado River.</p>
23.12	<p>Point for an Angle Point.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, anchored in a 2 1/2 gallon plastic bucket, half filled with concrete, with brass cap mkd.</p>
	<p style="text-align: center;">  AP TIC 2016 </p>
	<p>Deposit a magnet, in a white plastic case, beneath the plastic bucket, set a steel guard post alongside the cor.</p>
	<p>Cor. is located N. 2° W., 1.0 ft. dist. from a downed fence cor. with dilapidated barbed wire fences extending N 67° E. and N. 71° W.</p>
	<p style="text-align: center;">  </p>
33.59	<p>N. 66°49' E., on the north bdy. of the TIC easement, within abandoned bed of Colorado River.</p> <p>From this point the easterly terminus of a downed barbed wire fence bears S. 23°11' E., 1.515 lks. dist., fence extends S. 67° W.</p>
38.16	<p>Intersect the resurvey of the left bank of the abandoned Colorado River.</p>
	<p>From this point, the meander cor. of secs. 19 and 24, T. 17 N., Rs. 21 and 22 W., bears S. 70°54' E., 3 lks. dist., hereinbefore described.</p>
	<p>From this same point, Angle Point No. 1, on the left bank of the abandoned Colorado River, bears N. 70°54' W., 2.03 chs. dist., hereinbefore described.</p>
	<p>Continuing measurement over accreted lands of sec. 24.</p>

Dependent Resurvey of a portion of the Meanders of the
Left Bank of the Abandoned Colorado River in section 24,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

38.26

Intersect the division of accretion line bet. sec. 19, T. 17 N.,
R. 21 W. and sec. 24, T. 17 N., R. 22 W.

From this point, the meander cor. of secs. 19 and 24, T. 17 N.,
Rs. 21 and 22 W., bears S. 52°06' W., 8 lks. dist., hereinbefore
described.

From this same point, an angle point on the north boundary of the
TIC in accreted lands of sec. 19, T. 17 N., R. 21 W., bears
N. 66°49' E., 1.27 chs. dist. The angle point is described in the
field notes of T. 17 N., R. 21 W., executed concurrently under
this same group.

**Metes-and-Bounds Survey of the South Boundary of the Topock
Inlet Canal Easement, adjacent to Sec. 24, T. 17 N., R. 22 W.,
Gila and Salt River Meridian, Arizona**

Preliminary statement: The following metes-and-bounds survey is
derived from U.S Bureau of Reclamation drawings 423-306-1246 thru
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Topock Inlet Canal, within the bed of the abandoned channel of the
Colorado River, adjacent to the accretion to sections 19, 20 and
29, T. 17 N., R. 21 W.

Contract no. 14-06-300-1674 omitted the mention of sec. 24, T. 17
N., R. 22 W. This omission is superseded by the inclusion of U.S.
Bureau of Reclamation Map No. 423-300-553 made part of the
contract, the map includes sec. 24.

Beginning at a point marking the intersection of the medial line
of the abandoned channel of the Colorado River, with the south
bdy. of the TIC.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins.
in the ground, anchored in a 2 1/2 gallon plastic bucket, half
filled with concrete, with brass cap mkd.

TIC

AP

2016

Deposit a magnet, in a white plastic case, beneath the plastic
bucket.

Metes-and-Bounds Survey of the South Boundary. of the Topock
Inlet Canal Easement, adjacent to Sec. 24, T. 17 N., R. 22 W.,
Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this point, Angle Point No. 9, sec. 24, of the resurvey of the Left Bank of the abandoned Colorado River, bears N. 50°21' E., 8.26 chs. dist., hereinbefore described.</p> <p>The medial line of the abandoned Colorado River is described in the field notes of T. 9 N., R. 23 E., San Bernardino Meridian, California, executed concurrently under this same group.</p> <p>N. 61°19' E., on the south bdy. of the TIC easement.</p> <p>200 ft. southerly and parallel with the north boundary of the TIC easement, hereinbefore described.</p> <p>Within the abandoned bed of the Colorado River, through the State of Arizona sovereign lands, along graded service road, no fence present.</p>
6.33	<p>Point for an angle point on the S. bdy. of the TIC easement, not monumented.</p>
	<hr/> <p>S. 70°37' E., on the southerly bdy. of the TIC easement.</p> <p>Within the abandoned bed of the Colorado River, through the State of Arizona sovereign lands.</p> <p>200 ft. southerly and parallel with the north easement of the TIC.</p>
18.13	<p>Intersect the medial line of the abandoned Colorado River, identical with the boundary between the sovereign lands of the States of California and Arizona.</p> <p>From this point an unmonumented Angle Point, on the medial line, bears N. 74°29' E., 8.77 chs. dist.</p> <p>From this same point an unmonumented Angle Point, on the medial line, bears S. 74°29' W., 1.83 chs. dist.</p> <p>End of southerly boundary of the TIC easement.</p> <hr/>

T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The land embraced in this survey and resurvey is located in Mohave County, Arizona, about 2 miles east of the City of Needles, California. Access is provided by a levee road, farm roads and the Topock Inlet Canal service road.

The terrain is nearly level bottom lands, with some man made dunes, a by-product of agriculture and construction of the canal. Salt cedar and arrow weed are the dominate vegetation. The soil is classified as sandy. The elevation ranges from 450 to 500 ft. above sea level.

The primary use of the land is conveyance of water via the Topock Inlet Canal to agriculture fields.

The mean magnetic declination of $11\ 1/2^{\circ}$ E. was derived from the National Oceanic and Atmospheric Administration magnetic field calculator, utilizing the World Magnetic Model 2015 for the dates of survey.

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 28th day of April, 2016, I have dependently resurveyed a portion of the east boundary, the division of accretion line between Townships 17 North, Ranges 21 and 22 West, and a portion of the meanders of the left bank of the abandoned channel of the Colorado River in section 24, and surveyed the north and south boundaries of the easement for the Topock Inlet Canal, adjacent to and within the accretions in section 24, Township 17 North, Range 22 West, Gila and Salt River Meridian, Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

JULY 28, 2017
(Date)

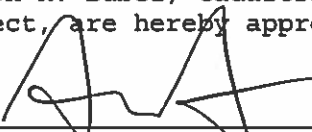

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the east boundary, the division of accretion line between Townships 17 North, Ranges 21 and 22 West, and a portion of the meanders of the left bank of the abandoned channel of the Colorado River in section 24, and the survey of the north and south boundaries of the easement for the Topock Inlet Canal, adjacent to and within the accretions in section 24, Township 17 North, Range 22 West, Gila and Salt River Meridian, Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

8/2/2017
(Date)


(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in Township 17 North, Range 22 West, Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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