

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF A PORTION
OF THE SUBDIVISIONAL LINES,
THE SUBDIVISION OF SECTION ELEVEN
AND THE PHOTOGRAHAMETRIC SURVEY OF A
PORTION OF THE COLORADO RIVER LEFT BANK MEANDERS ALONG THE GLEN CANYON
NATIONAL RECREATION AREA BOUNDARY
PARTIALLY SURVEYED TOWNSHIP 40 NORTH, RANGE 8 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Rosendo Ramos Serrano, Cadastral Surveyor

Under Special Instructions dated June 1, 2020, approved June 1, 2020, which provided for the surveys included under Group No. 1205, and assignment instructions dated June 1, 2020.

Survey commenced June 3, 2020

Survey completed July 9, 2020

INDEX DIAGRAM

**TOWNSHIP 40 NORTH RANGE 8 East
GILA AND SALT RIVER MERIDIAN, ARIZONA**

6	5	4	3	2	1
7	8	9 7 6	10 5	11 4	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

Subdivision of Sec. 11Pages 8-9
 Boundary Glen Canyon National Resource AreaPages 9-20

T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, the subdivision of section lines and the photogrammetry survey of a portion of the boundary of the Glen Canyon National Resource Area on the left bank of the Colorado River of Township 40 North, Range 8 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey and survey is as follows: In 1937, a portion of the subdivisional lines and the traverse of a portion of the right rim of Glen Canyon, was surveyed by Benjamin J. Kinsey, Surveyor and Bert E. Wakeman, Transit man, under Group No. 181, Arizona.

In 1959, a portion of the subdivisional lines, portion of the Page Townsite boundary and a portion of the meanders of the left bank and right bank of the Colorado River, determined by photogrammetric processes, was surveyed by Robert C. Yundt and Boyd S. Owens, Cadastral Surveyors, under Group No. 333, Arizona.

In 1994, the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 11, was resurveyed by Stephen K. Hansen, under Group No. 773, Arizona.

The boundary of the Glen Canyon National Resource Area on the left bank of the Colorado River are photogrammetrically interpreted and digitized from 0.5 meter resolution true color satellite imagery collected in (May) 2020. Source DigitalGlobe(G-EGD)

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 June 1, 2020, for Group Number 1205, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R10-2 model receivers.

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

Geodetic control was derived from Global Navigation Satellite System (GNSS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DP9946 P008 TUBA CITY AZ2007 CORS ARP, AI8805 FRED FREDONIA CORS ARP and DN7504 SGU1 ST GEORGE PUTIL CORS ARP.

The NAD 83 (CORS2011) (EPOCH 2010.0000), geographic position of the 1/4 section corner of sections 11 and 14, is as follows:

T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Latitude: $36^{\circ}52'27.706''$ N. Longitude: $111^{\circ}30'21.006''$ W. NAD 83</p> <p>The NAD 83 (CORS2011) (EPOCH 2010.0000), geographic position of the 1/4 section corner of sections 8 and 9, is as follows:</p> <p>Latitude: $36^{\circ}52'53.993''$ N. Longitude: $111^{\circ}33'03.439''$ W. NAD 83</p> <p>The mean magnetic declination is $10\frac{1}{4}^{\circ}$ E.</p> <hr/> <p>Dependent Resurvey of a Portion of the Subdivisional Lines, T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>Restoring the surveys executed by Robert C. Yundt and Boyd S. Owens, in 1959 and Stephen K. Hansen in 1994.</p> <hr/> <p>Beginning at the 1/4 sec. cor. of secs. 11 and 14, and a cor. on the bdy. of the Glen Canyon National Recreation Area, the Navajo Indian Reservation, and the Page Townsite. Monumented with a 3 1/4 ins. diam. brass cap, cemented in a sandstone outcrop, with cap mkd. T40NR8E 1/4 S11 S14 1994.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Cor. is located 3 lks. S. 26° W., of a cor. fence of barbed wire fence, 4 strand, bears E. and N. 62° W.</p> <p>West, on the S. bdy. of sec. 11.</p> <p>Across the Glen Canyon National Recreation Area and the Navajo Indian Reservation.</p>
8.59	<p>A witness point bet. secs. 11 and 14, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 4 ins. above ground, with a brass cap mkd. WP T40NR8E S11 GCNRA S14 NIR 1994.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Found a steel fence post alongside the stainless steel post.</p> <hr/> <p>S. $89^{\circ}55'$ W., beginning new measurement.</p>
10.05	<p>A witness point bet. secs. 11 and 14, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 4 ins. above ground, with a brass cap mkd. WP T40NR8E S11 GCNRA S14 NIR 1994.</p> <p>Add the marks 2020 to the brass cap</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>A steel fence post alongside the stainless steel post.</p> <hr/> <p>N. 89°57' W., beginning new measurement.</p>
18.76	<p>A witness point bet. secs. 11 and 14, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 2 ins. above ground, in a dilapidated mound of stone, with a brass cap mkd. WP T40NR8E S11 GCNRA S14 NIR 1994.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Found a steel fence post alongside the stainless steel post.</p> <p>Rebuild mound of stone, 3 1/2 ft. base, projecting 8 ins. above ground.</p> <hr/> <p>West, beginning new measurement.</p>
2.60	<p>The cor. of secs. 10, 11, 14 and 15, monumented with a 3 1/2 ins. diam. brass cap, cemented in sandstone outcrop, with cap mkd. T40NR8E S10 S11 S15 S14 1994 1959.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Found a mound of stone 3 ft. base, 1 ft. high, to the W. of the cor.</p> <hr/> <p>From the cor. of secs. 10, 11, 14 and 15, hereinbefore described.</p> <p>N. 89°59' W., bet. secs. 10 and 15.</p>
8.30	<p>Point for the witness point on line bet. secs. 10 and 15.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, cemented in a drill hole in solid rock, with top mkd.</p> <p style="text-align: center;">WP T40N R8E S 10 GCNRA <hr/>S 15 NIR 2020</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Deposit a magnet, at the base of the brass tablet.</p> <hr/> <p>N. 89°59' W., beginning new measurement.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
31.73	<p>True point for the 1/4 sec. cor. of secs. 10 and 15, at proportionated dist. between sec. cors. falls on southerly canyon wall of the Colorado River. Impracticable to establish a permanent monument.</p> <p>The witness corner to the 1/4 sec. cor. of secs. 10 and 15, monumented with a 2 1/2 ins. diam. iron post, firmly set, projecting 10 ins. above mound of stone 3 1/2 ft. base, 18 ins. high, with a brass cap mkd. T40NR8E 1/4 S10 S15 WC 1959, bears N. 89°59' W., 2.89 chs. dist.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Note: The original notes for this line called for the establishment of the 1/4 sec. cor. of secs. 10 and 15, and no mention of a Witness corner to the 1/4 of secs. 10 and 15. The preponderance of evidence indicates that field notes erred in the description of this corner. The 1/4 sec. cor. was never monumented and the establishment of the witness corner to the 1/4 of secs. 10 and 15. was omitted from the field notes.</p> <hr/> <p>West, beginning new measurement.</p>
40.03	<p>The cor. of secs. 9, 10, 15 and 16, monumented with a 1 in. diam. iron post, firmly set, projecting 4 ins. above ground, with a brass cap mkd. T40NR8E S9 S10 S16 S15 1959.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Found a mound of stone 3 ft. base, 2 ft. high, to the N. of the cor.</p> <hr/> <p>From the cor. of secs. 9, 10, 15 and 16, hereinbefore described.</p> <p>N. 89°47' W., bet. secs. 9 and 16.</p>
39.94	<p>The 1/4 sec. cor. of secs. 9 and 16, monumented with a 1 in. diam. iron post, firmly set, projecting 4 ins. above ground, with a brass cap mkd. T40NR8E 1/4 S9 S16 1959.</p> <p>Add the marks 2020 to the brass cap.</p> <p>Found a mound of stone 3 ft. base, 2 ft. high, to the N. of the cor.</p> <hr/> <p>N. 89°49' W., beginning new measurement.</p>
9.89	<p>The witness corner to the meander corner bet. secs. 9 and 16, monumented with a 3 1/2 ins. diam. brass cap, cemented in sandstone outcrop, with cap mkd. WMC S9 S16 T40NR8E 1959.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS		
	Add the marks 2020 to the brass cap.	
	Found a mound of stone, 3 ft. base, 2 ft. high, to the E. of cor.	
	N. 89°43' W., beginning new measurement.	
20.60	True point for the easterly meander corner bet. secs 9 and 16, at proportionated dist., from which its witness cor. meander cor. bears S. 89°43' E., 20.60 chs. dist., hereinbefore described.	
28.05	Point for the westerly meander corner bet. secs. 9 and 16, at proportioned dist., not monumented.	
30.05	True point for the cor. of secs. 8, 9, 16 and 17, at proportioned dist., from which its witness cor. bears N. 0°06' W., 9.67 chs. dist., hereinafter described.	
	From the cor. of secs. 8, 9, 16 and 17, hereinbefore described.	
	N. 0°06' W., bet. secs. 8 and 9.	
9.67	The witness corner to the cor. of secs. 8, 9, 16 and 17, monumented with a 3 1/2 ins. diam. brass cap, cemented in sandstone outcrop, with cap mkd. T40NR8E S8 S9 S17 S16 WC 1937.	
	Add the marks 2020 to the brass cap.	
	Found a collapse mound of stone alongside, rebuild mound of stone 3 ft. base, 2 ft. high.	
	N. 0°06' W., beginning new measurement.	
30.28	The 1/4 cor. of secs. 8 and 9, monumented with a 3 1/2 ins. diam. brass cap, cemented in a sandstone outcrop, with cap mkd. T40NR8E 1/4 S8 S9 1937.	
	Add the marks 2020 and T40N R8E to the brass cap.	
	Rebuild mound of stone, 3 ft. base, 2 ft. high, to the W. of the cor.	
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	Dependent Resurvey of the Subdivision of section 11, T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona	
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	Restoring the survey executed by Stephen K. Hansen, in 1994	
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	From the 1/4 sec. cor. of secs. 11 and 14, hereinbefore described.	

**Dependent Resurvey of the Subdivision of section 11,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	N. $0^{\circ}01'$ E., on the N. and S. center line of sec. 11, common with the bdy. bet. Glen Canyon National Recreation Area and the Page Townsite.
0.04	Barbed wire fence, 4 strand bears S. 62° E. and N. 62° W.
12.38	A witness point on the N. and S. center line of sec. 11, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 13 ins. above ground, with a brass cap mkd. WP T40NR8E C S11 GCNRA PTS C 1994. Add the marks 2020 to the brass cap. Found a fence post, 3 ft. S., projecting 4 ft. above ground.
9.26	N. $0^{\circ}02'$ E., beginning new measurement. A witness point on the N. and S. center line of sec. 11, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 7 ins. above ground, with a brass cap mkd. WP T40NR8E C S11 GCNRA PTS C 1994. Add the marks 2020 to the brass cap. Found a fence post, 4 ft. N., projecting 3 ft. above ground.
7.93	N. $0^{\circ}02'$ E., beginning new measurement. A witness point on the N. and S. center line of sec. 11, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 8 ins. above ground, with a brass cap mkd. WP T40NR8E C S11 GCNRA PTS C 1994. Add the marks 2020 to the brass cap. Cor. is located S., 6 ft. dist., of trail to horseshoe bend overlook.
15.74	N. $0^{\circ}02'$ E., beginning new measurement. A witness point on the N. and S. center line of sec. 11, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 4 ins. above ground, with a brass cap mkd. WP T40NR8E C S11 GCNRA PTS C 1994. Add the marks 2020 to the brass cap. A fence post, north of the cor., projecting 4 ft. above ground.
	N. $0^{\circ}03'$ E., beginning new measurement.

**Dependent Resurvey of the Subdivision of section 11,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
28.78	A witness point on the N. and S. center line of sec. 11, monumented with a 2 1/2 ins. diam. stainless steel post, firmly set, projecting 6 ins. above ground, in a supporting mound of stone 3 1/2 ft. base, 2 ft. high, with a brass cap mkd. WP T40NR8E C S11 GCNRA PTS C 1994. Add the marks 2020 to the brass cap.
	N. 0°14' E., beginning new measurement.
5.93	The 1/4 sec. cor. of secs. 2 and 11, monumented with a 2 1/2 ins. diam., stainless steel post, firmly set, projecting 5 ins. above ground, with a brass cap mkd. T40N R8E 1/4 S2 S11 1994 1959. Add the marks 2020 to the brass cap.
	A fence post, NW of the corner, projecting 4 ft. above ground.
	Boundary of the Glen Canyon National Resource Area, T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona
	From the true point for the westerly meander cor. of secs. 9 and 16, on the left bank of the Colorado River, at the ordinary high water; not monumented due to the liability of destruction by water action. From this point, the witness cor. to the meander cor. of secs. 9 and 16, bears S. 89°43' E., 20.60 chs. dist., hereinbefore described. Thence downstream with the bdy. of the G.C.N.R.A. on the left bank of the Colorado River, at the ordinary high water. S. 48°46' W., 3.37 chs. S. 46°37' W., 1.38 chs. S. 44°00' W., 0.88 chs. S. 39°08' W., 1.21 chs. S. 45°11' W., 4.76 chs. S. 51°54' W., 3.72 chs. S. 78°52' W., 3.89 chs. S. 58°22' W., 0.83 chs. N. 81°52' W., 4.13 chs. S. 59°18' W., 2.66 chs. S. 64°48' W., 0.63 chs. N. 87°45' W., 0.69 chs. N. 55°06' W., 0.59 chs. N. 5°56' E., 0.47 chs. N. 87°49' W., 0.82 chs. N. 23°52' W., 0.48 chs. N. 88°19' W., 1.93 chs. N. 21°10' W., 0.23 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
N.	88°46' W., 1.05 chs.
N.	30°23' W., 0.24 chs.
N.	79°00' W., 0.20 chs.
N.	33°29' W., 0.37 chs.
S.	85°53' W., 0.62 chs.
N.	2°49' E., 0.21 chs.
N.	32°54' E., 0.43 chs.
N.	42°57' W., 0.41 chs.
S.	79°21' W., 0.73 chs.
N.	70°47' W., 1.79 chs.
S.	73°40' W., 0.36 chs.
N.	20°17' W., 1.07 chs.
N.	39°28' W., 1.00 chs.
N.	57°23' W., 2.80 chs.
N.	74°16' W., 1.79 chs.
N.	79°41' W., 2.52 chs.
N.	83°59' W., 1.21 chs.
S.	89°19' W., 0.60 chs.
N.	64°32' W., 1.67 chs.
N.	12°52' E., 0.56 chs.
N.	38°45' W., 0.25 chs.
N.	73°55' W., 0.23 chs.
N.	69°23' W., 0.12 chs.
S.	10°05' W., 0.19 chs.
N.	69°51' W., 0.38 chs.
N.	63°45' W., 0.80 chs.
N.	69°04' W., 1.18 chs.
N.	67°42' W., 3.40 chs.
N.	75°19' W., 0.75 chs.
N.	84°33' W., 2.51 chs.
N.	82°36' W., 2.22 chs.
N.	7°36' W., 0.21 chs.
N.	14°58' E., 0.20 chs.
N.	40°56' W., 0.16 chs.
S.	84°53' W., 1.17 chs.
N.	81°52' W., 0.41 chs.
S.	18°23' W., 0.22 chs.
N.	81°19' W., 0.86 chs.
N.	84°49' W., 2.19 chs.
N.	89°38' W., 1.70 chs.
S.	86°34' W., 1.98 chs.
S.	77°32' W., 1.32 chs.
S.	54°21' W., 0.71 chs.
S.	56°43' W., 1.03 chs.
S.	83°22' W., 0.58 chs.
S.	41°45' W., 0.94 chs.
N.	47°09' W., 0.60 chs.
N.	33°30' W., 0.43 chs.
N.	61°35' W., 0.39 chs.
S.	86°45' W., 0.84 chs.
S.	62°14' W., 1.07 chs.
S.	49°11' W., 0.96 chs.
S.	47°23' W., 0.66 chs.
S.	40°26' W., 0.70 chs.

**Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
S.	36°56' W., 3.25 chs.
S.	63°06' W., 0.34 chs.
S.	39°01' W., 0.97 chs.
S.	21°55' W., 0.77 chs.
S.	10°03' W., 1.11 chs.
S.	17°39' W., 1.45 chs.
S.	9°28' W., 1.59 chs.
S.	0°15' E., 2.06 chs.
S.	9°29' W., 1.74 chs.
S.	6°46' E., 3.38 chs.
S.	14°03' E., 3.26 chs.
S.	15°03' E., 2.34 chs.
S.	21°40' E., 3.78 chs.
S.	26°22' E., 3.67 chs.
S.	34°31' E., 2.60 chs.
S.	40°54' E., 3.89 chs.
S.	42°16' E., 2.12 chs.
S.	44°41' E., 3.85 chs.
S.	42°59' E., 1.91 chs.
S.	32°36' E., 3.38 chs.
S.	81°48' E., 0.67 chs.
S.	34°33' E., 1.40 chs.
S.	33°10' E., 2.39 chs.
S.	44°48' E., 0.68 chs.
S.	29°26' E., 2.16 chs.
S.	33°03' E., 1.97 chs.
S.	37°35' E., 1.91 chs.
S.	31°02' E., 1.09 chs.
S.	28°41' E., 0.78 chs.
S.	55°38' E., 0.40 chs.
S.	9°01' E., 0.95 chs.
S.	30°46' E., 0.41 chs.
S.	85°30' E., 0.47 chs.
S.	45°11' E., 1.27 chs.
S.	31°15' E., 1.17 chs.
S.	18°44' E., 2.21 chs.
S.	18°51' E., 1.36 chs.
S.	11°31' W., 1.57 chs.
S.	46°29' E., 1.82 chs.
S.	38°28' E., 1.00 chs.
S.	72°24' E., 0.65 chs.
S.	42°20' E., 1.86 chs.
S.	38°22' E., 1.46 chs.
S.	43°45' E., 2.06 chs.
S.	40°09' E., 0.71 chs.
S.	47°36' E., 0.76 chs.
S.	77°22' E., 0.45 chs.
S.	56°15' E., 1.14 chs.
S.	49°41' E., 1.43 chs.
S.	20°17' E., 0.79 chs.
S.	46°04' E., 0.97 chs.
S.	43°18' E., 0.82 chs.
S.	59°41' E., 0.44 chs.
S.	47°43' E., 0.82 chs.

**Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
S.	51°40' E., 0.77 chs.
S.	49°50' E., 0.68 chs.
S.	47°28' E., 0.46 chs.
S.	45°10' E., 1.55 chs.
S.	35°38' E., 1.02 chs.
S.	13°28' W., 0.40 chs.
S.	48°42' E., 0.87 chs.
S.	52°38' E., 0.59 chs.
S.	28°42' E., 0.98 chs.
S.	49°42' E., 1.52 chs.
S.	72°41' E., 0.21 chs.
S.	48°12' E., 0.91 chs.
S.	39°28' E., 0.81 chs.
S.	29°37' E., 0.78 chs.
S.	36°49' E., 0.35 chs.
S.	50°56' E., 1.02 chs.
S.	75°22' E., 0.35 chs.
S.	55°28' E., 0.87 chs.
S.	52°40' E., 2.34 chs.
S.	23°11' E., 0.62 chs.
S.	51°13' E., 0.63 chs.
S.	55°16' E., 1.58 chs.
S.	44°07' E., 0.46 chs.
S.	41°56' E., 0.43 chs.
S.	56°42' E., 0.92 chs.
S.	54°11' E., 2.53 chs.
S.	48°53' E., 0.30 chs.
S.	17°40' E., 0.25 chs.
S.	57°01' E., 2.36 chs.
S.	46°51' E., 0.75 chs.
S.	32°57' E., 0.95 chs.
S.	52°35' E., 2.43 chs.
S.	52°17' E., 1.06 chs.
S.	58°00' E., 0.91 chs.
S.	26°37' E., 0.77 chs.
S.	40°50' E., 1.28 chs.
S.	26°38' E., 0.70 chs.
S.	3°46' E., 1.23 chs.
S.	25°15' E., 0.18 chs.
S.	51°55' E., 0.44 chs.
S.	88°21' E., 0.75 chs.
S.	59°54' E., 0.36 chs.
S.	77°58' E., 0.34 chs.
S.	54°38' E., 0.67 chs.
S.	67°06' E., 0.46 chs.
S.	46°24' E., 1.17 chs.
S.	42°33' E., 1.57 chs.
S.	65°21' E., 0.28 chs.
S.	46°29' E., 2.24 chs.
S.	13°48' E., 1.51 chs.
S.	63°04' E., 1.28 chs.
S.	62°31' E., 1.98 chs.
S.	45°52' E., 1.11 chs.
S.	27°28' E., 0.53 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
S.	60°03' E., 0.31 chs.
S.	83°12' E., 0.61 chs.
S.	52°26' E., 1.28 chs.
S.	51°57' E., 0.57 chs.
S.	71°58' E., 0.23 chs.
S.	45°10' E., 0.86 chs.
S.	81°53' E., 0.28 chs.
S.	36°40' E., 0.62 chs.
S.	21°47' E., 1.30 chs.
S.	85°26' E., 0.61 chs.
S.	57°12' E., 0.79 chs.
S.	43°30' E., 0.48 chs.
S.	56°01' E., 0.87 chs.
S.	36°51' E., 0.48 chs.
S.	59°34' E., 0.92 chs.
S.	49°12' E., 1.21 chs.
S.	44°42' E., 0.82 chs.
S.	72°30' E., 0.37 chs.
S.	45°40' E., 0.71 chs.
S.	6°25' E., 0.67 chs.
S.	68°27' E., 0.37 chs.
S.	45°15' E., 0.70 chs.
S.	42°44' E., 0.76 chs.
S.	13°49' E., 0.61 chs.
S.	41°04' E., 0.45 chs.
S.	38°22' E., 0.78 chs.
S.	0°13' W., 0.32 chs.
S.	32°27' E., 1.08 chs.
S.	42°07' E., 0.70 chs.
S.	21°05' E., 1.30 chs.
S.	14°21' E., 0.99 chs.
N.	88°05' E., 0.99 chs.
S.	14°46' W., 0.35 chs.
S.	70°24' E., 0.71 chs.
S.	44°19' E., 1.04 chs.
S.	45°09' E., 1.41 chs.
S.	16°45' E., 0.76 chs.
S.	40°36' E., 0.36 chs.
S.	65°43' E., 0.64 chs.
S.	41°02' E., 1.21 chs.
S.	30°59' E., 1.03 chs.
S.	50°39' E., 0.69 chs.
S.	33°18' E., 1.10 chs.
S.	51°59' E., 0.91 chs.
S.	73°50' E., 0.45 chs.
S.	19°27' E., 0.97 chs.
S.	60°41' E., 0.50 chs.
S.	68°09' E., 0.36 chs.
S.	42°49' E., 0.50 chs.
S.	23°16' E., 0.32 chs.
S.	26°56' E., 0.25 chs.
S.	34°42' E., 0.65 chs.
S.	21°54' E., 0.86 chs.
S.	48°35' E., 0.50 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
S.	38°27' E., 0.48 chs.
S.	16°56' E., 1.22 chs.
S.	32°58' E., 0.77 chs.
S.	7°55' E., 0.70 chs.
S.	31°33' E., 0.61 chs.
S.	8°51' E., 1.11 chs.
S.	14°03' E., 0.75 chs.
S.	1°00' E., 1.74 chs.
S.	7°59' W., 0.73 chs.
S.	20°49' E., 0.52 chs.
S.	4°29' E., 1.06 chs.
S.	14°29' W., 0.57 chs.
S.	12°41' E., 0.39 chs.
S.	6°17' W., 0.52 chs.
S.	4°52' W., 0.58 chs.
S.	0°16' E., 0.91 chs.
S.	17°13' W., 1.47 chs.
S.	20°44' W., 1.03 chs.
S.	4°42' W., 0.80 chs.
S.	1°24' E., 1.65 chs.
S.	21°40' W., 1.26 chs.
S.	9°49' W., 0.83 chs.
S.	1°48' E., 1.07 chs.
S.	15°35' W., 1.33 chs.
S.	23°10' W., 2.22 chs.
S.	36°13' W., 1.13 chs.
S.	26°02' W., 0.83 chs.
S.	39°30' W., 2.22 chs.
S.	44°16' W., 2.15 chs.
S.	36°16' W., 0.68 chs.
S.	72°18' W., 0.90 chs.
S.	48°27' W., 1.70 chs.
S.	48°12' W., 2.23 chs.
S.	51°19' W., 2.66 chs.
S.	50°33' W., 1.63 chs.
S.	50°48' W., 1.01 chs.
S.	51°11' W., 0.86 chs.
S.	66°39' W., 1.04 chs.
S.	85°50' W., 0.49 chs.
N.	80°00' W., 0.37 chs.
S.	52°47' W., 1.22 chs.
S.	68°42' W., 2.43 chs.
S.	74°35' W., 3.35 chs.
S.	74°05' W., 1.27 chs.
S.	60°33' W., 1.34 chs.
S.	62°53' W., 1.26 chs.
S.	77°14' W., 0.50 chs.
S.	43°36' W., 0.31 chs.
S.	71°33' W., 1.84 chs.
S.	63°40' W., 1.37 chs.
S.	67°45' W., 1.19 chs.
N.	89°47' W., 0.41 chs.
S.	55°32' W., 0.40 chs.
S.	74°50' W., 1.42 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 84°04' W., 0.38 chs.
	N. 60°26' W., 0.23 chs.
	S. 62°19' W., 1.71 chs.
	N. 72°11' W., 1.04 chs.
	S. 44°43' W., 0.62 chs.
	S. 66°21' W., 1.42 chs.
	S. 87°06' W., 1.16 chs.
	N. 68°38' W., 1.76 chs.
	N. 69°19' W., 0.63 chs.
	N. 7°39' E., 0.36 chs.
	N. 83°45' W., 1.79 chs.
	N. 55°45' W., 1.29 chs.
	N. 85°41' W., 3.29 chs.
	N. 80°45' W., 1.61 chs.
	N. 75°53' W., 1.76 chs.
	N. 86°02' W., 2.16 chs.
	N. 84°20' W., 2.78 chs.
	N. 4°32' E., 0.26 chs.
	S. 89°35' W., 0.45 chs.
	N. 37°52' W., 0.66 chs.
	N. 69°52' W., 0.78 chs.
	N. 53°27' W., 1.21 chs.
	N. 79°00' W., 0.42 chs.
	N. 34°13' W., 0.78 chs.
	N. 53°01' W., 0.69 chs.
	N. 44°57' W., 1.34 chs.
	N. 51°33' W., 1.46 chs.
	N. 47°24' W., 0.25 chs.
	N. 7°06' W., 0.31 chs.
	N. 47°02' W., 1.66 chs.
	N. 38°39' W., 0.37 chs.
	N. 81°40' W., 0.23 chs.
	N. 35°38' W., 0.18 chs.
	N. 78°01' W., 0.20 chs.
	N. 55°06' W., 0.25 chs.
	S. 42°56' W., 0.42 chs.
	N. 84°30' W., 0.86 chs.
	N. 58°02' W., 0.39 chs.
	N. 22°25' W., 0.31 chs.
	N. 85°54' W., 1.92 chs.
	S. 64°26' W., 0.79 chs.
	S. 64°40' W., 0.20 chs.
	S. 88°48' W., 0.64 chs.
	N. 50°46' W., 0.38 chs.
	S. 88°23' W., 0.94 chs.
	N. 61°48' W., 0.56 chs.
	N. 75°26' W., 0.67 chs.
	N. 86°04' W., 1.23 chs.
	S. 79°56' W., 0.80 chs.
	S. 72°01' W., 1.20 chs.
	S. 63°59' W., 1.26 chs.
	S. 67°16' W., 1.47 chs.
	S. 60°19' W., 1.40 chs.
	S. 51°42' W., 1.65 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
S.	54°27' W., 2.63 chs.
S.	43°38' W., 0.41 chs.
S.	55°52' W., 1.61 chs.
S.	79°16' W., 0.25 chs.
S.	70°47' W., 0.14 chs.
S.	17°09' W., 0.19 chs.
S.	59°57' W., 1.26 chs.
S.	66°34' W., 3.40 chs.
S.	73°07' W., 1.03 chs.
S.	86°22' W., 1.52 chs.
S.	80°34' W., 1.13 chs.
S.	37°06' W., 0.28 chs.
S.	88°30' W., 1.34 chs.
N.	60°13' W., 1.02 chs.
S.	80°45' W., 0.24 chs.
S.	1°41' W., 0.31 chs.
S.	78°07' W., 0.23 chs.
N.	35°13' W., 0.44 chs.
N.	75°46' W., 0.99 chs.
N.	59°16' W., 0.72 chs.
S.	26°47' W., 0.61 chs.
N.	40°24' W., 0.51 chs.
S.	55°24' W., 0.67 chs.
S.	0°13' W., 0.55 chs.
S.	61°06' W., 0.64 chs.
N.	19°36' W., 0.55 chs.
N.	83°05' W., 0.68 chs.
S.	71°34' W., 1.32 chs.
S.	62°56' W., 1.71 chs.
S.	70°29' W., 0.69 chs.
S.	89°43' W., 0.92 chs.
N.	85°35' W., 1.96 chs.
N.	82°02' W., 0.53 chs.
S.	79°10' W., 1.00 chs.
S.	85°05' W., 2.42 chs.
S.	82°12' W., 1.72 chs.
S.	88°29' W., 1.06 chs.
N.	84°05' W., 0.64 chs.
N.	75°37' W., 1.60 chs.
N.	80°48' W., 1.28 chs.
N.	53°07' W., 1.02 chs.
N.	64°28' W., 0.66 chs.
S.	88°03' W., 0.42 chs.
S.	85°16' W., 0.65 chs.
S.	61°25' W., 0.91 chs.
N.	52°44' W., 0.45 chs.
S.	54°55' W., 0.23 chs.
N.	78°32' W., 0.57 chs.
N.	28°20' W., 0.42 chs.
N.	8°10' W., 0.55 chs.
N.	22°00' W., 0.57 chs.
N.	4°30' W., 0.58 chs.
N.	4°43' E., 0.91 chs.
N.	23°58' E., 0.22 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
N.	11°29' W., 0.47 chs.
N.	10°02' E., 0.84 chs.
N.	39°50' E., 0.30 chs.
N.	49°50' W., 0.38 chs.
N.	87°04' W., 0.34 chs.
N.	30°46' W., 0.23 chs.
N.	89°48' W., 0.35 chs.
N.	86°10' W., 0.50 chs.
N.	55°07' W., 0.63 chs.
N.	86°59' W., 0.82 chs.
N.	74°53' W., 1.40 chs.
N.	74°12' W., 1.40 chs.
N.	59°58' W., 1.19 chs.
N.	33°30' W., 0.26 chs.
N.	55°03' W., 0.48 chs.
S.	63°39' W., 0.12 chs.
N.	62°53' W., 1.15 chs.
N.	41°20' W., 0.68 chs.
N.	33°38' W., 0.93 chs.
N.	16°51' W., 0.63 chs.
N.	24°40' E., 0.10 chs.
N.	35°05' W., 0.40 chs.
S.	83°52' W., 0.14 chs.
N.	38°46' W., 0.96 chs.
N.	53°28' W., 0.83 chs.
N.	60°50' W., 0.51 chs.
N.	70°40' W., 0.41 chs.
N.	32°09' W., 1.42 chs.
N.	35°33' W., 0.85 chs.
N.	56°49' W., 0.73 chs.
N.	13°43' W., 1.06 chs.
N.	12°04' W., 0.75 chs.
N.	5°35' E., 0.68 chs.
N.	9°48' W., 0.28 chs.
N.	3°52' E., 0.75 chs.
N.	8°25' E., 0.74 chs.
N.	6°20' E., 0.98 chs.
N.	3°35' E., 1.10 chs.
N.	20°16' E., 0.54 chs.
N.	3°58' W., 0.79 chs.
N.	22°15' E., 0.35 chs.
N.	7°57' E., 0.28 chs.
N.	2°23' E., 1.27 chs.
N.	26°00' W., 1.11 chs.
N.	77°16' W., 0.22 chs.
N.	21°36' W., 0.65 chs.
N.	4°29' W., 1.48 chs.
N.	28°33' W., 0.28 chs.
N.	1°50' W., 0.45 chs.
N.	44°54' E., 1.02 chs.
N.	19°12' E., 0.47 chs.
N.	60°28' E., 0.19 chs.
N.	1°17' W., 0.62 chs.
N.	59°14' W., 0.21 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 22°36' E., 0.15 chs.
	N. 44°49' W., 0.12 chs.
	S. 66°15' W., 0.40 chs.
	N. 60°20' W., 0.21 chs.
	N. 24°15' W., 1.36 chs.
	N. 6°25' W., 1.21 chs.
	N. 7°08' W., 1.31 chs.
	N. 21°52' W., 1.01 chs.
	N. 29°17' W., 0.73 chs.
	N. 47°07' W., 0.80 chs.
	S. 42°06' W., 0.20 chs.
	N. 48°25' W., 0.68 chs.
	N. 70°20' W., 0.72 chs.
	N. 68°19' W., 0.91 chs.
	N. 25°05' W., 0.69 chs.
	N. 39°54' W., 1.77 chs.
	N. 30°58' W., 1.06 chs.
	N. 47°39' W., 1.88 chs.
	N. 59°39' W., 0.69 chs.
	N. 21°28' W., 0.61 chs.
	N. 47°50' W., 1.56 chs.
	N. 3°11' E., 1.30 chs.
	N. 53°36' W., 0.59 chs.
	N. 84°05' W., 0.43 chs.
	N. 32°42' W., 1.44 chs.
	N. 6°08' W., 0.38 chs.
	N. 55°36' E., 0.43 chs.
	N. 80°37' E., 0.61 chs.
	S. 72°34' E., 0.26 chs.
	N. 11°10' E., 0.27 chs.
	N. 0°12' E., 0.47 chs.
	N. 20°58' W., 0.89 chs.
	N. 24°08' W., 1.07 chs.
	N. 30°57' W., 1.47 chs.
	N. 14°56' E., 0.59 chs.
	N. 25°52' W., 0.51 chs.
	S. 84°17' W., 0.51 chs.
	N. 70°14' W., 0.17 chs.
	N. 25°20' W., 0.82 chs.
	N. 9°53' W., 0.61 chs.
	N. 1°40' W., 1.13 chs.
	N. 1°26' E., 0.47 chs.
	N. 26°57' E., 0.61 chs.
	N. 20°50' E., 0.85 chs.
	N. 22°01' E., 0.87 chs.
	N. 45°30' W., 0.50 chs.
	N. 12°14' E., 0.25 chs.
	N. 30°43' W., 0.55 chs.
	N. 71°08' W., 0.25 chs.
	N. 20°49' W., 0.97 chs.
	N. 21°02' W., 0.80 chs.
	N. 29°35' W., 1.50 chs.
	N. 25°35' W., 1.32 chs.
	N. 28°49' W., 2.16 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
N.	18°12' W., 1.06 chs.
N.	31°14' W., 1.27 chs.
N.	29°42' W., 1.31 chs.
N.	18°53' W., 0.97 chs.
N.	15°01' W., 1.11 chs.
N.	6°33' E., 0.54 chs.
N.	40°27' W., 0.58 chs.
N.	26°22' W., 1.27 chs.
N.	35°12' W., 0.40 chs.
N.	24°53' W., 1.52 chs.
N.	28°25' W., 0.86 chs.
N.	18°13' W., 2.08 chs.
N.	14°58' W., 2.05 chs.
N.	19°11' W., 1.18 chs.
N.	40°35' E., 0.23 chs.
N.	28°25' W., 0.65 chs.
N.	4°43' W., 1.12 chs.
N.	2°53' W., 1.14 chs.
N.	9°33' E., 0.64 chs.
N.	4°36' E., 0.45 chs.
N.	5°59' W., 0.97 chs.
N.	0°12' E., 0.95 chs.
N.	1°01' W., 0.41 chs.
N.	67°23' E., 0.18 chs.
N.	4°58' E., 1.05 chs.
N.	23°25' E., 0.13 chs.
N.	6°27' W., 1.20 chs.
N.	8°36' W., 1.59 chs.
N.	4°31' W., 1.06 chs.
N.	7°56' W., 0.61 chs.
N.	20°37' W., 1.12 chs.
N.	11°51' W., 1.42 chs.
N.	4°58' W., 1.26 chs.
N.	8°26' E., 1.21 chs.
N.	30°17' E., 0.19 chs.
N.	10°40' E., 0.57 chs.
N.	19°58' E., 1.06 chs.
N.	8°47' E., 0.47 chs.
N.	16°41' E., 0.64 chs.
N.	45°03' E., 0.74 chs.
N.	38°11' E., 0.45 chs.
N.	2°00' W., 0.23 chs.
N.	31°39' E., 0.55 chs.
N.	12°43' E., 0.80 chs.
N.	5°18' E., 1.76 chs.
N.	0°46' E., 1.83 chs.
N.	4°53' W., 0.78 chs.
N.	37°05' E., 0.17 chs.
N.	34°04' W., 0.49 chs.
N.	16°03' W., 1.03 chs.
N.	22°41' W., 1.63 chs.
N.	35°02' W., 0.18 chs.
N.	36°41' W., 0.30 chs.
N.	10°58' W., 0.67 chs.

Boundary of the Glen Canyon National Resource Area,
T. 40 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 0°12' E., 0.26 chs.
	N. 21°31' W., 0.99 chs.
	N. 23°33' W., 1.19 chs.
	N. 25°14' W., 0.97 chs.
	N. 38°42' W., 0.69 chs.
	N. 42°05' W., 0.39 chs.
	N. 26°56' E., 0.19 chs.
	N. 23°57' W., 0.28 chs.
	N. 35°33' W., 0.10 chs.
	N. 66°16' W., 0.38 chs.
	N. 77°27' W., 0.48 chs.
	N. 77°19' W., 0.46 chs.
	N. 41°31' W., 0.76 chs.
	N. 31°02' W., 1.24 chs.
	N. 38°39' W., 1.20 chs.
	N. 53°07' W., 1.71 chs.
	N. 61°15' W., 1.13 chs.
	N. 51°41' W., 1.60 chs.
	N. 39°42' W., 1.01 chs.
	N. 57°08' W., 0.60 chs.
	N. 68°50' W., 1.85 chs.
	N. 58°47' W., 2.25 chs.
	N. 61°41' W., 1.37 chs.
	N. 64°22' W., 1.51 chs.
	N. 76°42' W., 0.96 chs.
	N. 81°07' W., 0.81 chs.
	N. 77°15' W., 0.64 chs.
	N. 86°06' W., 2.75 chs.
	N. 88°28' W., 2.16 chs.
	N. 80°35' W., 1.11 chs.
	S. 73°58' W., 1.75 chs.
	S. 88°02' W., 1.47 chs.
	N. 51°36' W., 2.00 chs.
	N. 30°28' W., 0.17 chs.
	S. 58°44' W., 0.32 chs.
	S. 37°05' W., 1.28 chs.
	S. 44°02' W., 0.78 chs.
	S. 81°07' W., 5.24 chs.
	N. 68°37' W., 0.45 chs.
	N. 16°09' E., 0.29 chs.
	N. 52°28' W., 0.27 chs.
	N. 87°28' W., 1.24 chs.
	N. 9°35' W., 0.17 chs.
	S. 88°13' W., 0.16 chs.
	S. 42°12' W., 0.30 chs.
	S. 80°22' W., 0.49 chs.
	S. 54°36' W., 0.46 chs.
	S. 36°11' W., 0.43 chs.
	S. 83°57' W., 0.29 chs.
	At end of course, the witness point on line bet. secs. 13 and 18, on the W. bdy. of the Tp., as described in the official field note record of the concurrent survey of T.40 N., R 8 E., under the same Group No.

GENERAL DESCRIPTION**CHAINS**

This survey is situated approximately 3 miles southwesterly from Page, Arizona.

The land is generally vast and open, with very little timber, with elevation ranging from approximately 3,000 ft. to 4,400 ft. above sea level in the vicinity of this survey.

No mineral deposit or activity was noted during the course of the survey.

The mean magnetic declination of 10.25° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2020 for the dates of survey.

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

FIELD ASSISTANTS

CERTIFICATE OF SURVEY

I, Rosendo Ramos Serrano, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the day of 1st day of June, 2020, I have dependently resurveyed a portion of the subdivisional lines and the subdivision of section lines and the photogrammetry survey of a portion of the boundary of the Glen Canyon National Recreation Area on the left bank of the Colorado River of Township 40 North, Range 8 East, Gila and Salt River Meridian, in the State of 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.

8-16-2021

(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 subdivisional lines and the subdivision of section lines and the photogrammetry survey of a portion of the boundary of the Glen Canyon National Recreation Area on the left bank of the Colorado River of Township 40 North, Range 8 East, Gila and Salt River, Arizona., executed by Rosendo Ramos Serrano, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

8/17/2021

(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 40 North, Range 8 East, Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)