

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH AND WEST BOUNDARIES,
AND A PORTION OF THE SUBDIVISIONAL LINES

IN

TOWNSHIP 10 NORTH, RANGE 16 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Daniel T. Gillins
Cadastral Surveyor

Under Special Instructions dated *September 23, 2008*, approved *September 23 2008*, which provided for the surveys included under Group Number *1099*, and Assignment Instructions dated *September 23, 2008*.

Survey Commenced, *October 25, 2008*
Survey Completed, *April, 29, 2010*

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INDEX DIAGRAM

Township 10 North, Range 16 West

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TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the south and west boundaries, and a portion of the subdivisional lines, in T. 10 N., R. 16 W., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

		Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY					
All	H. Fitzhugh		1883		
Portion				R.K. Baugh	2006
EAST BOUNDARY					
All	G.V.M. Boutelle		1872		
All				H. Fitzhugh	1883
All				F.R. Chappell & G.B. Hatch	1967
WEST BOUNDARY					
All	H. Fitzhugh		1883		
NORTH BOUNDARY					
All	H. Fitzhugh		1883		
SUBDIVISION					
All	H. Fitzhugh		1884		
Portion				R.K. Baugh	2006

TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 1099, dated September 23, 2008.

The directions of the lines were determined by references to true meridian, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods*, dated May 9, 2001, Version 1.0. Trimble model 5800 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a 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 was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): HNSLVALLY_UT2004 CORS ARP, HILL72_UT2004 CORS ARP, and CNRSRNGS_UT2004 CORS ARP.

The geographic position of the corner of sections 29, 30, 31, and 32, T. 10 N., R. 16 W., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 41°33'11.091" N.,
Longitude: 113°42'50.314" W., N.A.D. 83,
Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY OF
TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the South Boundary of
Township 10 North, Range 16 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
H. Fitzhugh in 1883

Beginning at the corner of sections 4, 5, 32, and 33, on the south boundary of the township, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 12 inches above the ground, with aluminum cap marked as described in the official record of the 2006 resurvey.

N. 89°53.4' W., between sections 5 and 32.

- 40.062 The 1/4 section corner of sections 5 and 32, monumented with a quartzite stone, 12 X 7 X 4 inches, firmly set, projecting 5 inches above the ground, with dim marks. There is no remaining evidence of the bearing tree marked in 1883.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with aluminum cap marked:

T10N R16W
S32
1/4 ———
S5
T9N
2008

Bury marked stone, inverted, alongside the aluminum post.

Bury a magnet beneath the aluminum post.

Set a steel fence post alongside the aluminum post.

S. 89°39.4' W., beginning new measurement.

- 40.325 The corner of sections 5, 6, 31, and 32, monumented with a quartzite stone, 19 X 7 X 6 inches, loosely set, marked with 5 notches on east edge and 1 notch on west edge; with a scattered mound of stone south of corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY OF
 CHAINS TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

T10N R16W
 S31|S32
 S6|S5
 T9N
 2010

Bury marked stone, inverted, alongside the aluminum post.

Bury a magnet beneath the aluminum post.

Rebuild mound of stone, 2 ft. base, 1 ft. high, west of corner.

Corner is located on the south edge of a draw, drains easterly.

S. 88°23.3' W., between sections 6 and 31.

- 38.900 Point for the 1/4 section corner of sections 6 and 31, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

T10N R16W
 S31
 1/4 ———
 S6
 T9N
 2010

Bury a magnet beneath the aluminum post.

Set a steel fence post along north side of aluminum post.

- 76.049 The corner of Townships 9 and 10 North, Ranges 16 and 17 West, monumented with a quartzite stone, 20 X 16 X 5 inches, firmly set in a scattered mound of stone, projecting 8 inches above the ground, plainly marked with 6 grooves on south face and 6 grooves on west face; from which the bearing tree marked in 1883:

A cedar, 8 inches diameter, bears S. 63°15' E., 103 links distance, with a mostly healed blaze. (Record: 100 links distance)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 23 inches in the ground, in a mound of stone, 2 ft. base, to top, with aluminum cap marked:

CHAINS

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY OF
TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

T10N
R17W R16W
S36|S31
S1|S6
T9N
2008

Bury marked stone, inverted, alongside the aluminum post.

Bury a magnet beneath the aluminum post.

Corner is located on a northwest facing slope, alongside a fence corner with barbed wire fences, extending north, west, and south.

Dependent Resurvey of a Portion of the West Boundary of
Township 10 North, Range 16 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
H. Fitzhugh in 1883

N. 1°01.7' W., between sections 31 and 36.

- 40.236 Point for the 1/4 section corner of sections 31 and 36, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

T10N
R17W R16W
1/4
S36|S31
2010

Bury a magnet beneath the aluminum post.

Corner is located approximately 70 ft. east of a barbed wire fence extending north and south, in an area chained and rehabilitated due to a recent wildfire.

- 80.472 The corner of sections 25, 30, 31, and 36, determined at an ancient fence post with barbed wire fences extending east, west, and south. This position is harmoniously related to existing original corners and is accepted as best available evidence of the original corner position.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY OF
TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

T10N
R17W R16W
S25|S30
S36|S31
2009

Bury a magnet beneath the aluminum post.

Dependent Resurvey of a Portion of the Subdivisional Lines in
Township 10 North, Range 16 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
H. Fitzhugh in 1884

From the corner of sections 5, 6, 31, and 32, on the south
boundary of the township, hereinbefore described.

N. 0°19.6' W., between sections 31 and 32.

- 40.139 The 1/4 section corner of sections 31 and 32, monumented with a
granite stone, 17 X 7 X 6 inches, loosely set, plainly marked 1/4
on west face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27
inches in the ground, with aluminum cap marked:

T10N R16W
1/4
S31|S32
2008

Bury marked stone, inverted, alongside the aluminum post.

Bury a magnet beneath the aluminum post.

Set a steel fence post alongside the aluminum post.

Corner is located in an area recently burned by wildfire.

N. 0°15.0' W., beginning new measurement.

- 40.247 The corner of sections 29, 30, 31, and 32, monumented with a
granite stone, 21 X 6 X 4 inches, wired to a fence corner with
barbed wire fences extending north and west, plainly marked with
1 notch on south edge and 5 notches on east edge.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES IN
 CHAINS TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

inches in the ground, with aluminum cap marked:

T10N R16W	
S30	S29
S31	S32
2008	

Bury marked stone, inverted, alongside the aluminum post.

Bury a magnet beneath the aluminum post.

Corner is located on the west edge of a dirt road extending north and south.

From the corner of sections 28, 29, 32, and 33, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 5 inches above the ground, with aluminum cap marked as described in the official record of the 2006 resurvey; with a steel fence post along south side of aluminum post.

S. 89°29.6' W., between sections 29 and 32.

- 40.107 Point for the 1/4 section corner of sections 29 and 32, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with aluminum cap marked:

T10N R16W	
S29	
1/4	———
S32	
2008	

Bury a magnet beneath the aluminum post.

Set a steel fence post alongside the aluminum post.

Corner is located in an area chained and rehabilitated due to a recent wildfire.

- 80.214 The corner of sections 29, 30, 31, and 32.

S. 89°21.6' W., between sections 30 and 31.

- 40.132 The 1/4 section corner of sections 30 and 31, monumented with a granite stone, 12 X 9 X 5 inches, loosely set, in a scattered mound of stone, dimly marked 1/4 on north face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES IN
TOWNSHIP 10 NORTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T10N R16W
S30
1/4 ———
S31
2009

Bury marked stone, inverted, alongside the aluminum post.

Bury a magnet beneath the aluminum post.

Corner is located 4.5 ft. south of a barbed wire fence extending east and west.

S. 87°29.3' W., beginning new measurement.

36.947 The corner of sections 25, 30, 31, and 36, on the west boundary of the township, hereinbefore described.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
R. Keith Batty	Cadastral Surveyor
Adrian Kurip	Survey Technician
Mathew Gillins	Survey Technician
Calvert C. Norton	Survey Technician
Richard West	Survey Technician

CERTIFICATE OF SURVEY

I, *Daniel T. Gillins, Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of *September 23, 2008*, I have *dependently resurveyed a portion of the south and west boundaries, and a portion of the subdivisional lines in Township 10 North, Range 16 West*, of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

January 28, 2011
Date

Daniel T. Gillins
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the south and west boundaries, and a portion of the subdivisional lines, in Township 10 North, Range 16 West, Salt Lake Meridian, Utah*, executed by *Daniel T. Gillins, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

February 13, 2012
Date

Daniel W. Webb
Chief Cadastral Surveyor for Utah