

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF  
A PORTION OF THE WEST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

IN

TOWNSHIP 13 NORTH, RANGE 12 WEST,

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*Ronald K. Batty,  
Cadastral Surveyor*

Under Special Instructions dated and approved **June 27, 2016**, which provided for the surveys included under Group Number **1323**, and Assignment Instructions dated **June 27, 2016**.

Survey Commenced **June 27, 2016**  
Survey Completed **July 26, 2016**

# INDEX DIAGRAM

TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

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## TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the west boundary and a portion of the subdivisional lines in T. 13 N., R. 12 W., Salt Lake Meridian, Utah.

## HISTORY OF SURVEYS

Surveyed by		Retr. or Resurveyed by	
<b>SOUTH BOUNDARY</b>			
All	G.V.M. Boutelle	1872	
All		F. Dickert	1882
<b>EAST BOUNDARY</b>			
Portion	G.V.M. Boutelle	1872	
All	E. Wilkes & C.L. Betts	1886	E. Wilkes & C.L. Betts 1886
All		R.A. Zaninovich	1989
<b>WEST BOUNDARY</b>			
Portion	G.V.M. Boutelle	1872	
All	E.W. Koeber	1887	E.W. Koeber 1887
Portion		R.K. Batty	2015
<b>NORTH BOUNDARY</b>			
All	E.W. Koeber	1887	
<b>SUBDIVISION</b>			
All	E.W. Koeber	1887	

## TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1323, dated June 27, 2016

The direction of each line is with reference to the true meridian, determined by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional Accuracy of Cadastral Surveys when using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. Trimble model R8 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 National Geodetic Service (NGS) Continually Operating Reference Station (CORS) P100 PARKVALLEY2007 with published data is as follows:

Latitude: **41°51'24.466" N.**,  
Longitude: **113°17'39.124" W.**, N.A.D. 83 (2011), EPOCH: 2010.00

The geographic position of the corner of sections 13, 18, 19, and 24, T. 13 N., Rs. 12 and 13 W., as determined by GPS static observations from the geodetic control, is as follows:

Latitude: **41°50'47.048" N.**,  
Longitude: **113°16'17.482" W.**, N.A.D. 83 (2011), EPOCH: 2010.00

The geographic position of the corner of sections 1, 6, 7, and 12, T. 13 N., Rs. 12 and 13 W., as determined by direct RTK methods from the geodetic control, is as follows:

Latitude: **41°52'30.942" N.**,  
Longitude: **113°16'18.507" W.**, N.A.D. 83 (2011), EPOCH: 2010.00

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY  
TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

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Dependent Resurvey of a Portion of the West Boundary  
T. 13 N., R. 12 W., Salt Lake Meridian, Utah

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Reestablishment of the survey executed by G.V.M. Boutelle in 1872  
and survey and resurvey executed by E.W. Koeber in 1887

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Beginning at the corner of sections 13, 18, 19, and 24, T. 13 N.,  
Rs. 12 and 13 W., monumented with a stainless steel post, 2 1/2  
inches diameter, firmly set, projecting 7 inches above ground,  
marked as described in the official record of the 2015 resurvey  
by R.K. Batty.

N. 0°02.1' E., between sections 13 and 18.

- 39.374** Point for the 1/4 section corner of sections 13 and 18, at  
proportionate distance, there is no remaining evidence of the  
original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, with  
magnet at base, 18 inches in the ground, in a mound of stone, 3  
feet base, 6 inches high, with the aluminum cap marked

T13N  
R13W    R12W  
      1/4  
S13 | S18  
      2016

The corner is located on a steep south facing slope. A barbed  
wire fence, extending north-south, is approximately 20 links west  
of the corner.

- 78.748** The corner of sections 7, 12, 13, and 18, determined at the  
center of an embedded mound of stone, 2 1/2 feet base, this  
position is harmoniously related to the general relationship of  
the surrounding fences and the topographic calls and is accepted  
as the best available evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, with  
magnet at base, 18 inches in the ground, in a mound of stone, 3  
feet base 12 inches high with the aluminum cap marked

T13N  
R13W    R12W  
S12 | S7  
S13 | S18  
      2016

The corner is located on a steep south facing slope on a finger  
ridge that bears easterly.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY  
TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0°52.1' W., between sections 7 and 12.

- 40.326** Point for the 1/4 section corner of sections 7 and 12, at proportionate distance, there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, with magnet at base, 12 inches in the ground, in a mound of stone, 3 1/2 feet base, 18 inches high, with the aluminum cap marked

T13N  
R13W    R12W  
      1/4  
S12 | S7  
      2016

The corner is located on the north edge of a ridge that descends easterly. The top of the ridge is approximately 80 links south of the corner. A fence extending north-south is approximately 25 links east of the corner.

- 80.652** The corner of sections 1, 6, 7, and 12, monumented with a black quartzite, 20x10x6 inches, no visible marks, set in the center of an embedded mound of stone.

At the corner point

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

T13N  
R13W    R12W  
      S1 | S6  
      S12 | S7  
      2016

Deposit the unmarked stone alongside the corner. Raise a mound of stone west of the corner.

The corner is located on a steep south-facing slope, surrounded by low sage, sparse juniper, and mountain mahogany.

Resurvey of a Portion of the Subdivisional Lines  
T. 13 N., R. 12 W., Salt Lake Meridian, Utah

Reestablishment of the survey executed by E.W. Koeber in 1887

From the corner of sections 17, 18, 19, and 20, determined at the apparent intersection of a north-south fence and an east-west fence to the east of this location. This is accepted as the best available evidence of the original corner.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES  
TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

At the corner point

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

T13N R12W	
<u>S18</u>	<u>S17</u>
S19	S20
2016	

The corner is located on top of a small finger ridge that extends easterly.

From this corner, the corner of sections 19, 20, 29, and 30, the original stone, bears S. 2°57.1' E., 82.023 chains distance.

From this same corner, the corner of sections 16, 17, 20, and 21, determined at a fence corner, that extends north, south, and west, which is harmonious with the nearest topographic calls which includes the crossing of Indian Creek, and has been accepted as the corner of sections 16, 17, 20, and 21 by a local surveyor bears S. 89°01.5' E., 81.656 chains distance.

**S. 87°21.1' W.**, between sections 18 and 19.

- 38.289** Point for the 1/4 section corner of sections 18 and 19, at proportionate distance, there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, with magnet at base, 22 inches in the ground, in a collar of stone, 2 feet base, with the aluminum cap marked

T13N R12W	
S18	
1/4	—————
S19	
2016	

The corner is located at the top of the east bank of a wash, draining southerly.

- 76.865** The corner of sections 13, 18, 19, and 24, on the west boundary of the township, hereinbefore described.

From the corner of sections 17, 18, 19, and 20.

**N. 1°17.9' W.**, between sections 17 and 18.

- 38.969** Point for the 1/4 section corner of sections 17 and 18, at proportionate distance, there is no remaining evidence of the original corner.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES  
TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

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

T13N R12W  
1/4  
S18 | S17  
2016

The corner is located near the top of a ridge on a gentle south facing slope.

- 77.938** The corner of sections 7, 8, 17, and 18, determined at the intersection of ancient fences extending north, south, east, and west. This location is incongruous with record bearings and distances, the location is harmonious with most topographic calls and the fences have been accepted by local land owners. This position is accepted as the best available evidence of the original corner.

At the corner point

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

T13N R12W  
S7 | S8  
S18 | S17  
2016

The corner is located on a small finger ridge that descends easterly.

Note: While a moderate number of the definitive topographic calls exist, the variance in their relative distances is wildly erratic when compared with the original record. A cursory examination of the corners to the north and east of this section also seem to demonstrate a similar issue. This survey found the crossing of Indian Creek to be 26.8 chains east of the corner (record: 32 chains), and the crossing of the existing road to be 23 chains (record: 26 chains).

**S. 87°55.1' W.**, between sections 7 and 18.

- 37.367** Point for the 1/4 section corner of sections 7 and 18, at proportionate distance, there is no remaining evidence of the original corner.

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



DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES  
TOWNSHIP 13 NORTH, RANGE 12 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T13N R12W  
S7  
1/4 —————  
S18  
2016

The corner is located in dense juniper growth, with an old barbed wire fence approximately 1 chain north of the corner.

**75.005** The corner of sections 7, 12, 13, and 18, on the west boundary of the township, hereinbefore described.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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<b>Name</b>	<b>Capacity</b>
Zachary J. Hulsey	Survey Technician

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## CERTIFICATE OF SURVEY

I, **Ronald K. Batty, Cadastral Surveyor**, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the **27th day of June, 2016**, I have **dependently resurveyed a portion of the west boundary and a portion of the subdivisional lines, in Township 13 North, Range 12 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.

Dec 26, 2017  
Date

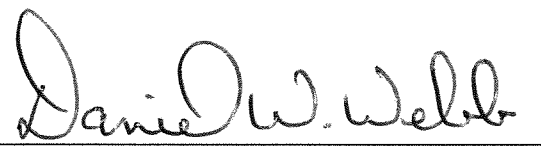
  
Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of **the dependent resurvey of a portion of the west boundary and a portion of the subdivisional lines, in Township 13 North, Range 12 West, Salt Lake Meridian, Utah**, executed by **Ronald K. Batty, Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

December 27, 2017  
Date

  
Chief Cadastral Surveyor for Utah