

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

PORTIONS OF THE SOUTH AND WEST BOUNDARIES

OF

TOWNSHIP 19 NORTH, RANGE 31 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Lance A. Barney, Cadastral Surveyor

Under Special Instructions dated August 15, 2007,

Approved August 15, 2007,

which provided for the surveys included under Group No. 858,

and Assignment Instructions dated August 22, 2007.

Survey commenced August 22, 2007

Survey completed August 29, 2007

INDEX DIAGRAM

TOWNSHIP 19 NORTH, RANGE 31 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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## T. 19 N., R. 31 E., Mount Diablo Meridian, Nevada

CHAINS	<p>The following field notes are those of the dependent resurvey of portions of the south and west boundaries of Township 19 North, Range 31 East, Mount Diablo Meridian, Nevada.</p> <p>The township boundaries were surveyed by E.B. Monroe, Deputy Surveyor, in 1868 under Contract No. 10. A portion of the subdivisional lines was surveyed by E.B. Monroe, U.S. Deputy Surveyor, in 1868 under Contract No. 16. A portion of the north boundary and a portion of the subdivisional lines were dependently resurveyed, a portion of the south boundary and the east boundary were independently resurveyed, and a portion of the subdivisional lines was surveyed by Stephen R. Lambeth, Cadastral Surveyor, in 1992 under Group No. 719.</p> <p>Before restoring the corners, the lines of the original surveys were retraced and a diligent search made for any evidence of the original corners and other calls of the original field note record.</p> <p>The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with identified corner locations. In order to simplify the record, the true line notes only are supplied herewith, which refer to the completed survey.</p> <p>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. 858, dated August 15, 2007.</p> <p>Measurements were made with Trimble 5800 Global Positioning System (GPS) receivers using the real-time kinematic (RTK) method and refer to the true meridian based on geodetic methods. The mean bearings of the lines and horizontal equivalents of ground distances only are entered in the field notes.</p> <p>The geographic position, NAD 1983 (1994), of the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., determined by a GPS tie from National Geodetic Survey control (formerly U.S.C. &amp; G.S. triangulation) station "LAKE", located in sec. 22, is as follows:</p> <p>Latitude: 39°27'38.178" N.                      Longitude: 118°29'59.754" W.</p> <p>The 1980 mean magnetic declination is 16° E., as shown on U.S.G.S. 7 1/2 minute quadrangle map "LAHONTAN MTS., NEV." Provisional Edition, dated 1985.</p> <hr/>
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DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Reestablishment of a Portion of the Survey Executed by E.B. Monroe, Deputy Surveyor, in 1868, and a Portion of the Resurvey Executed by S.R. Lambeth, Cadastral Surveyor, in 1992</p> <hr/> <p>Beginning at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the independent resurvey of a portion of the S. bdy., executed under Group No. 719, with steel fence post alongside, and a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>N. 89°51'20" W., bet. secs. 4 and 33.</p> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p> <p>11.20 Trail road, 15 lks. wide, bears N. 9° E. and S. 9° W.</p> <p>40.051 The 1/4 sec. cor. of secs. 4 and 33, monumented with a basalt stone, 10x8x6 ins., firmly set, projecting 3 ins. above the ground, plainly mkd. 1/4 on the N. face.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with cap mkd.</p> <div style="text-align: center;"> <p>T19N R31E S33 1/4 <u>      </u> S 4 T18N  2007</p> </div> <p>Deposit the basalt stone alongside the stainless steel post.</p> <hr/> <p>N. 89°51'50" W., beginning new measurement.</p> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p> <p>40.060 The cor. of secs. 4, 5, 32 and 33, monumented with a basalt stone, 14x12x10 ins., firmly set, projecting 7 ins. above the ground, plainly mkd. with 4 grooves on the E. face and 2 grooves on the W. face.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, in a collar of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p>
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DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<div data-bbox="889 279 1039 394" style="text-align: center;"> T19N R31E  S32   S33  S 5   S 4  T18N </div> <div data-bbox="932 422 997 447" style="text-align: center;">2007</div> <div data-bbox="456 474 1409 499">Deposit the basalt stone alongside the stainless steel post.</div> <hr/> <div data-bbox="456 558 1045 583">N. 89°36'00" W., bet. secs. 5 and 32.</div> <div data-bbox="456 611 1463 665">Over nearly level land covered with shad scale, Brigham tea and sagebrush.</div> <div data-bbox="313 690 1330 716">17.95 Trail road, 15 lks. wide, bears S. 18° E. and N. 18° W.</div> <div data-bbox="313 743 1109 768">31.85 Trail road, 15 lks. wide, bears N. and S.</div> <div data-bbox="313 795 1479 982"> 41.046 The 1/4 sec. cor. of secs. 5 and 32, monumented with a basalt stone, 12x10x4 ins., firmly set, projecting 6 ins. above the ground, plainly mkd. 1/4 on N. face, with an iron pipe, 42 ins. long, 1 in. diam., loosely set alongside, projecting 28 ins. above the ground, as described in U.S. Fish and Wildlife Service Book 26, Page 24 and shown on Sheet 18 M, Stillwater Project, dated 1950 (unrecorded). </div> <div data-bbox="456 1010 763 1035">At the corner point</div> <div data-bbox="456 1062 1446 1142">Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</div> <div data-bbox="873 1169 1039 1287" style="text-align: center;"> T19N R31E  S32  1/4 ———  S 5  T18N </div> <div data-bbox="932 1314 997 1339" style="text-align: center;">2007</div> <div data-bbox="456 1367 1446 1421">Deposit the basalt stone and iron pipe alongside the stainless steel post.</div> <hr/> <div data-bbox="456 1480 1143 1505">N. 89°40'20" W., beginning new measurement.</div> <div data-bbox="456 1533 1463 1587">Over nearly level land covered with shad scale, Brigham tea and sagebrush.</div> <div data-bbox="313 1614 1330 1640">38.00 Trail road, 15 lks. wide, bears S. 77° E. and N. 77° W.</div> <div data-bbox="313 1667 1474 1722"> 40.424 Point for the cor. of secs. 5, 6, 31 and 32, at proportionate distance; there is no remaining evidence of the original corner. </div> <div data-bbox="456 1749 1446 1829">Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</div>
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DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<div data-bbox="889 275 1036 390" data-label="Text"> <p>T19N R31E S31   S32 S 6   S 5 T18N</p> </div> <div data-bbox="930 417 993 443" data-label="Text"> <p>2007</p> </div> <div data-bbox="456 472 1461 657" data-label="Text"> <p>From this point, a U.S. Fish and Wildlife Service concrete monument, 28 ins. long, 3 ins. diam., as described in U.S. Fish and Wildlife Service Book 26, Page 24 and shown on Sheet 18, Stillwater Project, dated 1950 (unrecorded), found laying loose on top of the ground, the original position indeterminate, with cap mkd. T 19 N SEC 31 SEC 32 SEC 6 SEC 5 T 18 N R 31 E 1950, bears S. 88° W., 1.345 chs. dist.</p> </div> <div data-bbox="456 684 1395 737" data-label="Text"> <p>Deposit the concrete monument alongside the stainless steel post.</p> </div> <hr/> <div data-bbox="456 793 1042 819" data-label="Text"> <p>N. 89°40'20" W., bet. secs. 6 and 31.</p> </div> <div data-bbox="456 846 1461 898" data-label="Text"> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p> </div> <div data-bbox="326 926 1334 978" data-label="Text"> <p>1.50 Center of trail road, 15 lks. wide, bears N. 12° E. and S. 12° W.</p> </div> <div data-bbox="311 1005 1477 1220" data-label="Text"> <p>40.424 The 1/4 sec. cor. of secs. 6 and 31, determined on the east side of a basalt stone, 12x10x6 ins., firmly set, projecting 4 ins. above the ground, plainly mkd. 1/4 on N. face, with an iron pipe, 48 ins. long, 1 in. diam., firmly set alongside, projecting 12 ins. above the ground, as described in U.S. Fish and Wildlife Service Book 26, Page 23 and shown on Sheet 18 M, Stillwater Project, dated 1950 (unrecorded). There is no remaining evidence of the original cedar post.</p> </div> <div data-bbox="456 1247 763 1272" data-label="Text"> <p>At the corner point</p> </div> <div data-bbox="456 1299 1446 1379" data-label="Text"> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</p> </div> <div data-bbox="868 1404 1039 1524" data-label="Text"> <p>T19N R31E S31 1/4 ——— S 6 T18N</p> </div> <div data-bbox="927 1551 997 1577" data-label="Text"> <p>2007</p> </div> <div data-bbox="456 1606 1448 1659" data-label="Text"> <p>Deposit the basalt stone and iron pipe alongside the stainless steel post.</p> </div> <hr/> <div data-bbox="456 1715 1143 1743" data-label="Text"> <p>N. 89°40'40" W., beginning new measurement.</p> </div> <div data-bbox="456 1770 1464 1822" data-label="Text"> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p> </div>
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DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
18.30	Trail road, 15 lks. wide, bears S. 25° E. and N. 25° W.
38.111	<p>The cor. of Tps. 18 and 19 N., Rs. 30 and 31 E., monumented with a cedar post, 4x3 ins., projecting 30 ins. above the ground, no marks visible, with a basalt stone, 16x12x10 ins., firmly set alongside, projecting 8 ins. above the ground, plainly marked 19N and 6 grooves on N. face, 31E and 6 grooves on E. face, 6 grooves on S. face and 6 grooves on W. face, and with a U.S. Fish and Wildlife Service concrete monument, 28 ins. long, 3 ins. diam., firmly set alongside, projecting 6 ins. above the ground, with cap mkd. T 19 N SEC 36 SEC 31 SEC 1 SEC 6 R 30 E R31 E T 18 N 1950 along E. side, as described in U.S. Fish and Wildlife Service Book 26, Page 22 and shown on Sheet 18 M, Stillwater Project, dated 1950 (unrecorded).</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R30E R31E S36   S31 S 1   S 6 T18N</p> <p>2007</p> </div> <p>Deposit the cedar post, basalt stone and concrete monument alongside the stainless steel post.</p> <hr/> <p>DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY, T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>Reestablishment of a Portion of the Survey Executed by E.B. Monroe, Deputy Surveyor, in 1868</p> <hr/> <p>From the cor. of Tps. 18 and 19 N., Rs. 30 and 31 E., hereinbefore described.</p> <p>N. 0°01'30" E., bet. secs. 31 and 36.</p> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p>
40.631	<p>The 1/4 sec. cor. of secs. 31 and 36, determined on the south side of a basalt stone, 12x10x6 ins., firmly set 4 ins. below the surface of the ground, plainly mkd. 1/4 on W. face, with an iron pipe, 48 ins. long, 1 in. diam., firmly set alongside, projecting 18 ins. above the ground, described in U.S. Fish and Wildlife Service Book 26, Page 24 and shown on Sheet 18 M, Stillwater Project, dated 1950 (unrecorded). There is no remaining evidence of the original cedar post.</p>

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R30E R31E 1/4 S36 S31 2007</p> </div> <p>Deposit the basalt stone and iron pipe alongside.</p> <hr/> <p>N. 0°01'30" E., beginning new measurement.</p> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p> <p>2.55 Center of trail road, 15 lks. wide, bears S. 25° E. and N. 25° W.</p> <p>40.634 The cor. of secs. 25, 30, 31 and 36, monumented with the remains of a cedar post, no marks visible, with a basalt stone, 14x8x6 ins., firmly set alongside, projecting 8 ins. above the ground, plainly mkd. with 1 groove on S. face and 5 grooves on N. face, and with a U.S. Fish and Wildlife Service concrete monument, 28 ins. long, 3 ins. diam., firmly set alongside, projecting 6 ins. above the ground, with cap mkd. T 19 N S 25 S 30 S 36 S 31 R 30 E R 31 E 1950, as described in U.S. Fish and Wildlife Service Book 26, Page 21 and shown on Sheet 18 M, Stillwater Project, dated 1950 (unrecorded).</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R30E R31E S25 S30 S36 S31 2007</p> </div> <p>Deposit the remains of the cedar post, basalt stone and concrete monument alongside the stainless steel post.</p> <hr/> <p>N. 0°02'30" E., bet. secs. 25 and 30.</p> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p>
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DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
39.701	<p>The 1/4 sec. cor. of secs. 25 and 30, determined on the south side of a basalt stone, 14x10x10 ins., firmly set, projecting 4 ins. above the ground, plainly mkd. 1/4 on W. face, with an iron pipe, 48 ins. long, 1 in. diam., firmly set alongside, projecting 18 ins. above the ground, as described in U.S. Fish and Wildlife Service Book 26, Page 20 and shown on Sheet 17, Stillwater Project, dated 1950 (unrecorded). There is no remaining evidence of the original cedar post.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R30E R31E 1/4 S25   S30</p> <p>2007</p> </div> <p>Deposit basalt stone and iron pipe alongside the stainless steel post.</p> <hr/> <p>N. 0°47'50" W., beginning new measurement.</p> <p>Over nearly level land covered with shad scale, Brigham tea and sagebrush.</p>
14.30	Trail road, 15 lks. wide, bears N. 65° E. and S. 65° W.
14.55	Top of bank on S. edge of diversion canal, parallels trail road.
15.10	Diversion canal, 95 lks. wide, parallels trail road.
15.60	Top of bank on N. edge of diversion canal, parallels trail road.
40.117	<p>The cor. of secs. 19, 24, 25 and 30, monumented with a U.S. Fish and Wildlife Service concrete monument, 28 ins. long, 3 ins. diam., firmly set, projecting 6 ins. above the ground, with cap mkd. R 30 E R 31 E S 24 S 19 S 25 S 30 T 19 N 1950, as described in U.S. Fish and Wildlife Service Book 26, Page 19 and shown on Sheet 17 M, Stillwater Project, dated 1950 (unrecorded). This is accepted as the best available evidence of the position of the original corner.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R30E R31E S24   S19 S25   S30</p> <p>2007</p> </div>

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,  
T. 19 N., R. 31 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p data-bbox="456 279 1393 331">Deposit the concrete monument alongside the stainless steel post.</p> <p data-bbox="456 359 1422 384">Cor. is located at the cor. of fences extending N., S. and W.</p> <hr data-bbox="456 407 1474 411"/> <p data-bbox="816 443 1118 468">GENERAL DESCRIPTION</p> <p data-bbox="456 495 1471 575">The lands included in the survey are located in Churchill County, Nevada, about 11 miles east northeast of Fallon, Nevada, on the Stillwater National Wildlife Refuge.</p> <p data-bbox="456 602 1461 760">The area is nearly level, sloping gradually to the north and is covered with scattered shad scale, Brigham tea and sagebrush. The soil is mostly sandy. The Stillwater Point Reservoir is approximately two miles north of the south boundary of the township. The approximate elevation of the area is 3900 feet above sea level.</p> <hr data-bbox="456 783 1474 787"/>
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANT

Steven E. Dagitz

Student Trainee  
(Land Surveying)

## CERTIFICATE OF SURVEY

I, Lance A. Barney, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 15th day of August, 2007, I have dependently resurveyed portions of the south and west boundaries of Township 19 North, Range 31 East, of the Mount Diablo Meridian, in the State of Nevada, 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.

October 8, 2008

(Date)

Lance A. Barney  
(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Reno, Nevada

The foregoing field notes of the dependent resurvey of portions of the south and west boundaries of Township 19 North, Range 31 East, Mount Diablo Meridian, Nevada, executed by Lance A. Barney, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

October 9, 2008

(Date)

David R. Morla  
(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 19 N., R. 31 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor, Nevada)~~