

TOWNSHIP 15 NORTH, RANGE 70 EAST

CHAINS

The following field notes are those of the survey of sec. 2, Township 15 North, Range 70 East, Mount Diablo Meridian Nevada.

The history of previous surveys is as follows: the north boundary of section 11, T. 15 N., R. 70 E., was surveyed by P. L. Inch, Cadastral Surveyor, in 1942 under Group Number 266 Nevada as a portion of a partial survey of the subdivisional lines of this township.

Preliminary to this survey, the U.S. Forest Service performed a closed electronic traverse control survey extended from U.S.G.S. and U.S.C. & G.S. triangulation net to provide geodetic and state plane coordinate positions (third-order) for three existing Bureau of Land Management brass cap monuments; the southeast corner of T. 16 N., R. 69 E., (Group No. 74), the corner of secs. 1, 2, 11 and 12, T. 15 N., R. 70 E., (Group No. 266), and the southeast corner of T. 18 N., R. 68 E., (Group No. 53). The area is covered by Nevada Protraction Diagram No. 94, Unit No. 43. The Forest Service also established stations in the vicinity of the unsurveyed position of several section corners along the National Forest Boundary, with stations near the corner of secs. 10, 11, 14 and 15, T. 16 N., R. 70 E., the corner of secs. 10, 11, 14 and 15, T. 17 N., R. 70 E., and near the corner of secs. 3 and 4, T. 17 N., R. 70 E. These control points were used along with combinations of double chaining and triangulation to verify accuracy of the bearings and distances.

The directions of the lines of the survey were determined from sustained angulation to and through the survey from the U.S. Forest Service triangulation station MM2-005-1, located in T. 16 N., R. 70 E., and supplemented by direct solar observations.

The vertical angles of measurements made on the slope were ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in the field notes.

The survey was executed in accordance with the specifications as set forth in the MANUAL OF SURVEYING INSTRUCTIONS, 1947, and the Special Instructions dated August 27, 1969.

The geographic position of the southeast corner of sec. 2, T. 15 N., R. 70 E., is $39^{\circ} 11' 43.5''$ N. latitude and $114^{\circ} 04' 29.5''$ W. longitude as determined by the U.S.F.S. preliminary survey.

The average magnetic declination was found to be $16\frac{1}{2}^{\circ}$ E.

SURVEY OF THE EAST AND WEST BOUNDARIES OF SEC. 2,
T. 15 N., R. 70 E., MOUNT DIABLO MERIDIAN, NEVADA