

Dependent Resurvey of Portion of Subdivisional Lines, T. 25 S., R. 7 W
 Executed by Irving Zirpel, JR., Cadastral Surveyor
 Under Special Instructions dated August 8, 1958.

CHAINS

The history of surveys of township 25 south, range 7 west, in the portion of the township covered by the resurvey, is as follows:

A portion of the subdivisional lines were surveyed by Dennis Hathorn in 1857 and 1858. The east four miles of the north boundary were surveyed by William R. Whipple, in 1893. The east four miles of the north boundary were retraced and the survey of a portion of the subdivisional lines were done by William P. Heydon, in 1896.

The resurvey was made at the request of the Roseburg District Manager for the administrative purpose of the Bureau of Land Management.

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

The survey was executed with a solar compass made by Young and Sons, serial number 8510, constructed in accordance with the standard specifications of the General Land Office. The instrument was in good condition, having been placed in satisfactory adjustment prior to beginning the survey. The instrument was also tested and checked frequently during the course of the survey. Measurements were made on the slope with a Keuffel and Esser steel tape, two chains (132 feet) in length, graduated every link. The vertical angle of each measurement was ascertained by the use of a clinometer. Only the horizontal equivalents of the measurements are entered in the field note record. Tapes were compared to a standard.

The directions of lines were determined by the solar compass method.

The geographical position of the corner of sections 10, 11, 14 and 15, as taken from the Tyee quadrangle map prepared by the Geological Survey, in 1955, is as follows:

Latitude 43° 24.2' N.

Longitude 123° 30.3' W.

The mean magnetic declination is 20° 28' E.

Dependent Resurvey of a Portion of the Subdivisional Lines,
 T. 25 S., R. 7 W., Will. Mer., Oregon

Restoring the 1857-58 survey by D. Hathorn,
 the 1893 survey by W.R. Whipple, and the
 1896 survey and retracement by W. P. Heydon.

Beginning at the corner of secs. 10, 11, 14 and 15, monumented with an iron post, 1 in. diam., 10 ins. above ground, firmly set, with a brass cap mkd. County Surveyors T25S R7W S10 S11 S14 S15 Office 1957, by the County Surveyor in 1957 and recorded as a perpetuation of the original corner which was renewed by County Surveyor Boyer, in 1944, but not recorded. I find no evidence of the original bearing trees but find the wooden stake set by Boyer, which is 4x4 ins. cross section, firmly set, 2 ft. above ground, mkd. S10 on NW., S11 on NE., S14 on SE., and S15 on SW. faces. I also find the bearing trees mkd. by Boyer in 1944. I accept this cor. as the best available evidence of the original.

From the County Surveyor's, 1944, bearing trees:

A cedar, 22 ins. diam., bears N. 61° E., 85 lks. dist.,
 with a partially healed blaze.