

County Surveyor's Record, Douglas County, Oregon

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T. 23 S., R. 7 W.

CHAINS

The history of surveys in that portion of township 23 south, range 7 west, Willamette Meridian, Oregon, covered by this resurvey is as follows:

The west four tiers of sections of the township were surveyed by Thomas A. Hutchinson in 1858. The line between sections 16 and 21 was resurveyed by Thomas A. Tillman in 1957. At that time he remonumented the meander corner of sections 21 and 22, on the left side of the Umpqua River. The corner of sections 21, 22, 27 and 28 was remonumented by Floyd A. Brooks in 1961.

The survey was made at the request of the Coos Bay District Manager for administrative purposes 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. All corners were identified and remonumented in their original positions or at points properly reestablished and recorded locally. The retracement data are thoroughly verified and only the true line field notes are given herein. Only the lines bounding or crossing public lands are blazed.

The survey was executed with a solar compass, made by W. and L.E. Gurley Co., serial number 11953, constructed in accordance with the standard specifications of the Bureau of Land Management. 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 Lallie steel tape, five chains (330 feet) in length, graduated every link for the first 100 links, with the balance at ten link intervals. The vertical angle of each measurement made was ascertained by use of two clinometers in good adjustment. A plumb bob was used at each end of the tape. Only the horizontal equivalents of the measurements made are entered in the field note record. The tape was tested by comparison with a standard steel tape, one chain in length, and found to be correct.

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

The geographic position of the southeast corner of section 21, as scaled from the Elkton Quadrangle Map, prepared by the United States Geological Survey, in 1955, is as follows:

Latitude $43^{\circ} 32.9' N$. Longitude $123^{\circ} 31.4' W$.

The mean magnetic declination is $20^{\circ} 10' E$.

Dependent Resurvey of a Portion of the
Subdivisional Lines of T. 23 S., R. 7 W.
(Restoring the 1858 survey by Thomas A. Hutchinson)

From the cor. of secs. 21, 22, 27, and 28, monumented with an iron post, $2\frac{1}{2}$ ins. diam., firmly set, projecting 6 ins. above ground, marked and witnessed as described in the official record.