

SURVEY IN T30S R5W SECTIONS 31 AND 32

The purpose of this survey was to determine and monument the various corners defining the lands as recorded by the Douglas County Clerk in Book 402 Page 768.

In order to properly determine by survey and monument the following: the Southeast quarter of the Northeast quarter, and the Northeast quarter of the Southeast quarter, Section 31; the Southwest quarter of the Northwest quarter and the Northwest quarter of the Southwest quarter, Section 32 Township 30 South, Range 5 West of the Willamette Meridian, Douglas County, Oregon, a thorough investigation of the corners which control this subdivision was made. We reviewed the report filed in CS file 39/118 of the Douglas County Surveyor's records furnished by George J. Wenderoth registered Oregon Land Surveyor number 5 of his survey done in 1946. Our review of this report revealed the positions of corners, as determined by results of the Wenderoth survey, were determined by a method which does not comply with the Manual of Survey Instructions to properly determine the most probable location of lost government corners.

The position of the quarter corner between Section 36 Township 30 South Range 6 West and Section 1 Township 31 South Range 6 West used by Wenderoth to begin his survey was first renewed by Frank Cain in 1921 recorded in the Douglas County Surveyor's Office files as renewal number 8 of Township 30 South Range 6 West and in field book 109 page 2. Cain reports finding old bearing trees in renewal number 8 and finding a quarter section post in field book 109 page 2. Cain gave no report of identifying marks on either the bearing trees or the post nor any bearings and distances to the bearing trees. After locating what he determined to be the original quarter corner and its accessories he scribed a 12" diameter fir tree to mark the quarter corner position, Cain gave no indication of the proximity of the scribed fir tree to the found quarter section post and its accessories.

The quarter corner common to Sections 29 and 32 Township 30 South Range 5 West was renewed by John H. Markham in 1950 (See Douglas County Surveyor's records of Government Corners Renewed renewal number 8). According to Markham's report the original fir bearing tree was found with legable scribing and he set the iron pipe monument with the original bearing tree bearing S 60° W. However the record of the original survey calls the bearing tree at N 60° W. In his report Markham offers no reason for his decision to place the corner monument with the original bearing tree in the wrong quadrant.

The South quarter corner of Section 32 was set by proportional measurement relying on one of the corners set by Wenderoth in his survey in Section 31 (C.S. 39/118). This corner was set by Byron in 1954 recorded on M1-9 and C.S. file 46/64.

For reasons noted we are not able to accept the corners set by Cain, Wenderoth (Township Corner T30 & 31 S R5 & 6 W, the South section corner common to Sections 31 & 32, the South quarter corner of Section 31, the quarter corner of Sections 31 & 32, and the quarter corner of

Sections 36 & 31), Markham and Byron nor can we accept any corners set in Sections 31 & 32 which are based on the positions of those corners. The corners we found, used and set by proportionate measurement along with the bearings and distances relating these various corners are as they appear on the accompanying map filed in the records of the Douglas County Surveyor. A more thorough description of each corner is filed in the Douglas County Surveyor's Office Government Corners Renewed, the reference numbers for the various corners are as follows

For Corners in Township 30 South Range 5 West numbers _____.
For Corners in Township 30 South Range 6 West numbers _____.
For Corners in Township 31 South Range 5 West numbers _____.
For Corners in Township 31 South Range 6 West numbers _____.

The bearings of our survey were based on the Oregon State Plane Coordinate System South Zone using stations Canyon Mtn. 1978 and Myrtle 1953.

Major equipment used during the survey consisted of a 1 second Kern theodolite DKM2AE number 161938, a 1 second Askania theodolite number T-209000, a Laser Ranger III measuring device number 07B3063 and a Hewlett-Packard 3800-A measuring device number 1118A01954. Also used other miscellaneous related equipment.

Normally all traverses run were closed. When it became necessary to run a dead end traverse a double hub line was used. The procedure for determining horizontal angles was to mean the results of sighting each objective 4 times with the telescope in direct position and 4 times with the telescope in the inverted position. The vertical angles were determined by meaning the results of sighting each objective once with the telescope in the direct position and once with the telescope in the inverted position.

Personnel involved in the field work for this project were Gary L. Langlitz, Larry E. Monrean, Rod Kimberling, Karen Cheney, Pete Earle, Steve Flause, Frank Silagy, Vickie Woodral and Terrie Plouff. Personnel involved in office computations and drafting were Gregory E. Quibell, Bill Stewart and Jean Holder.