

control.

SURVEY NARRATIVE TO COMPLY WITH PARAGRAPH 209.250 OREGON REVISED STATUTES

LOCATION: Section 8, Township 33 South, Range 1 East of the Willamette Meridian, Jackson County, Oregon.

PURPOSE: To monument the boundary corners and post line markers along that portion of the Elk Creek Project Boundary being in Section 8, as shown on Segment 2 of the Corps of Engineers Elk Creek Lake Real Estate drawings. The survey was performed during June 1987 through April 1988.

PROCEDURE: Establishing Lambert State Plane Coordinate control:

Second order control monument Station BUST, established by the Corps of Engineers in 1964, was used as a basis of Lambert State Plane Coordinates (South Zone). The 1974 adjusted coordinates were used. The line from Station BUST to Station EC-23, also established in 1964, was used as a basis of bearing. The USCE record bearing from BUST to EC-23 North 31°56'30.7" East.

All bearings and distances shown are on State Plane Coordinate grid. Coordinates and distances are shown to .xxx feet and bearings to .x seconds for mathematical consistancy only and are not intended to imply accuracy of survey.

An average latitude and elevation were used to compute a single grid factor for each individual survey traverse.

The grid factor at Station BUST is:

Scale factor (latitude N 42°42'58") = 0.9999256

Elevation factor (1700') = 0.9999187

Combined (grid) factor = 0.9998443

All horizontal control established by this survey meets requirements of 3rd Order, Class 1, National Oceanic and Atmospheric Administration specifications for geodetic

Establishing section subdivision control:

The project boundary within Section 8 is dependent upon both the subdivisional lines of the section and metes and bounds descriptions. A series of traverses were run, using an electronic "total station" 1 second theodolite and distance meter, to locate the controlling section monuments and establish coordinates.

Only the north and west quarter-section corners and the northeast corner of Section 8 have been perpetuated from original evidence.

The southwest corner of Section 8 was monumented at a double proportionate position by the BLM in 1965, using the west quarter-section corner and southeast corner of the section, the section corner to the west common to Sections 7 and 18 only, and the corner common to Sections 17, 18, 19, and 20. The southeast corner of Section 8 was monumented by the BLM in 1965, using a 3-way fence intersection, 50 year old unrecorded bearing trees, and the fact that the location had been used for many years as the corner.

The southwest corner of Section 17, which had been perpetuated by the BLM from original evidence, falls in an area which has been cleared for quarry operations in conjunction with the dam construction. No evidence of the monument or corner accessories remains. The coordinate location was determined by references taken by Hoffbuhr & Associates, Inc., shortly before the corner was obliterated. The south quarter-section corner of Section 8 was monumented by the BLM at single proportionate position. The monument at the east quarter-section corner was evidently set at proportionate position. origin unknown.

controlling corners used for the proportioning were checked for accuracy. Also, a ground search was made for evidence of the original survey. No additional evidence was found. As shown on the map on sheet 1, the monuments found at the south and center quarter-section corners, and the east sixteenth-section corner on the north boundary of the section were not used for this survey. They were considered to be outside of the allowable "limits of closure" as outlined in the 1947 and 1973 editions of the Manual of Surveying Instructions, using a ratio of 1/1280 for latitude and departure independently. No monument was set at the computed position of the east sixteenth-section corner on

the north boundary of the section.

The positions of these monuments in relation to the

The westerly boundaries of Tracts 205/2 and 212 were both determined by metes and bounds as described in Instrument Nos. 74-08008 and 74-08007 of the Official Records of Jackson County, with each boundary being 200 feet westerly of and parallel with a described line.

The westerly boundary of Tract 212 had been surveyed and monumented during Filed Survey No. 9299 in 1982, evidently just prior to the property to the west being logged. The metes & bounds legal description commences at the south quarter-section corner of Section 8. The BLM monument position was used for that survey. Consequently, this survey differs from Survey No. 9299, with the new monuments being westerly of the existing monuments by approximately 5 to 7.5 ft. The monuments found consist of 5/8" iron pins with yellow plastic cap, and were found at each point of curve and point of tangency along the westerly boundary, in addition to those shown as found on the north boundary and east-west centerline of the section.

Using the section control determined as described above. Section 8 was subdivided and monumented as shown on the plat on sheet 1. The intermediate project boundary monuments were positioned for intervisibility.

SECTION CONTROL - (Bearings oriented to true north)

FOUND:

Southeast corner of Section 8: Found, the BLM brass cap set in 1965, on a 2" diameter pipe exposed 12", and the following bearing trees; 15" black oak, blazed in 1965, bears N 73°11'E 76.1 ft. 16" fir with lower healed blaze of unknown origin, bears S 51°36' E 111.6 ft.

Southwest corner of Section 8: Found, the BLM brass cap set in 1965, on a 2" diameter pipe exposed 13", and the following bearing trees;
10" fir snag with healed blazes bears N 10° E 23.7 ft. 8" fir, dead and down, scribing visible, bears S 52° E 27.2 ft. to the stumphole.
13" fir snag, with healed blazes, bears S 64° W 4.9 ft. 8" pine with healed blazes bears N 75° W 45.4 ft.

Northwest corner of Section 18: Found, the BLM brass cap set in 1956, on a 2" diameter pipe exposed 14", with notched stone alongside, and the following bearing trees;
15" fir with healed blazes bears N 63°03' E 41.7 ft.
10" fir with healed blazes bears S 19°03' E 19.0 ft.
57" fir with ax marks, no scribing visible, bears S 28°34' E 39.6 ft.
The slab remains of a fir, with scribing visible, bears S 8°42' E 31.8 ft.

Quarter-section corner common to Sections 7 and 8: Found, the BLM brass cap set in 1965, on a 1" pipe, exposed 16", and the following bearing trees; 14" fir with healed blazes bears S 21°44' E 66.5 ft. 9" fir with healed blazes bears N 67°57' E 18.9 ft.

Quarter-section corner common to Sections 5 and 8: Found, the BLM brass cap set in 1974, exposed 2", and the following bearing trees;
12" fir marked by the BLM, with healed blazes, bears N 19°54' E 46.4 ft.
30" madrone, an original bearing tree with scribing visible, bears S 9°12'W 11.8 ft.

Northeast corner of Section 8: Found, the 2.5" diameter BLM brass cap set in 1965, and the following original bearing tree;
32" dia. fir stump with scribing visible bears \$\Sigma35^37'\$
\[\times 16.8 \text{ ft.} \]

Trees marked by the BLM in 1956 were found as follows;
11" vine maple with healed blazes bears \$\N 65^29' \text{ E} \)
58.5 ft.

30" fir with healed blazes bears \$\Sigma48^27' \text{ E} 24.3 \text{ ft.} \)
30" fir with healed blazes bears \$\Sigma35^59' \text{ W 59.1 ft.} \)
17" fir with healed blazes bears \$\N 35^44' \text{ W 31.8 ft.} \)

Quarter-section corner common to Sections 8 and 9: Found, a 2.5" diameter lead-filled reducer on a 1.5" pipe, exposed 12", stamped "1965 ...prop cor", evidently set at proportionate position, origin unknown, from which bear the following;
13" fir with healed blazes bears N 74° F 29 7 ft

13" fir with healed blazes bears N 74° E 29.7 ft. 11" fir with healed blazes bears S 88° W 27.7 ft.

East sixteenth-section corner between Sections 5 and 8:

No monument found or set at the computed position. The
1974 BLM brass cap on a 2.5" pipe, intended to be set
at the corner position, bears N89°39'W 3.57 ft., from
Which were found the following bearing trees;
26" fir with healed blazes bears S 6°08' E 26.7 ft.
34" fir with healed blazes bears N 36°21'W 26.1 ft.

SET:

Quarter-section corner common to Sections 8 and 17: Set a 30" long Berntsen aluminum monument with the aluminum cap stamped as shown here. The 1965 BLM brass cap monument intended to T33S R1E be set at the corner position bears S 52°17' E 8.14 ft., from which bears the following bearing tree: S 17 10" fir with healed blazes bears 1988 S 85°30' W 40.8 ft. LS 1656 It should be noted here that there is evidence that the found monument may be in a location different from where it was placed in 1965 From the new monument the tree bears S76 34'W 35.2 ft.

Center quarter-section corner of Section 8: Set a 30" long
Berntsen aluminum monument, with the aluminum cap
stamped as shown here, from which bear the
following:

The 1974 BLM brass cap monument

C 1/4 + S 8
intended to mark the corner position

LS 1656
bears N 59°15'E 4.50 ft.
9" fir with healed blazes bears N 78°41'W 68.0 ft.
11" oak with scribing visible bears S 38°02'W 33.1 ft.



U.S. ARMY ENGINEER DISTRICT, PORTLAND

ROGUE RIVER BASIN ELK CREEK LAKE

PROJECT BOUNDARY MONUMENTATION

SECTION 8, TOWNSHIP 33 SOUTH, RANGE 1 EAST, W.M.

JACKSON COUNTY, OREGON

SUPERVISED:	DRAWN:	Ref: Real Estate Segment Map 2
_SERR	H-P CAM	NPPEN-SY-86-50
DATE: AUGUST, 1988	JIICE I.	FPARED BY: FFBUHR & ASSOCIATES, INC. MEDFORD, OREGON

. .

Ref: Real Estate Segment Map 2

NPPEN-SY-86-50

SHEET: PREPARED BY:
2 of 3 HOFFBUHR & ASSOCIATES, INC.
MEDFORD, OREGON

SUPERVISED:

-arr

AUGUST, 1988

DRAWN:

H-P CAM