



LANBERT COORDINATES

DESCRIPTION NORTH EAST

Control Station SCALES . . . . . 403786.150 . . . . . 1410724.400

Sec cor 27, 28, 33, 34 . . . . . 403355.000 . . . . . 1410289.120

Sec cor 26, 27, 34, 35 . . . . . 403190.968 . . . . . 1415489.626

Sec cor 2, 3, 34, 35 . . . . . 397834.744 . . . . . 1415369.379

1/4 cor Sec 26/35 . . . . . 403203.328 . . . . . 1418046.386

1/4 cor Sec 27/26 . . . . . 405869.962 . . . . . 1415507.587

1/4 cor Sec 27/34 . . . . . 403290.772 . . . . . 1412929.902

1/4 cor Sec 22/27 . . . . . 40534.858 . . . . . 1412925.439

1/4 cor Sec 28/27 . . . . . 405992.553 . . . . . 1410400.015

C 1/4 cor . . . . . 405932.348 . . . . . 1412928.271

W 1/16 Sec 27/34 . . . . . 403322.813 . . . . . 1411609.534

S 1/16 Sec 28/27 . . . . . 404874.122 . . . . . 1410344.455

CW 1/16 . . . . . 405962.566 . . . . . 1411664.026

CS 1/16 . . . . . 404611.102 . . . . . 1412928.786

SW 1/16 . . . . . 404658.365 . . . . . 1411636.779

C-W-SW 1/64 . . . . . 404658.365 . . . . . 1410990.617

W-W 1/64 . . . . . 403338.906 . . . . . 1410949.327

C-E-W-SW 1/256 . . . . . 404650.487 . . . . . 1411313.697

E-W-W 1/256 Sec 27/34 . . . . . 403330.922 . . . . . 1411279.446

PROJECT BOUNDARY

RIGHT BANK:

28/27-01-R N 2 18 42.2 E 193.389 403821.368 1410308.902

28/27-02-R S 88 36 13.0 E 247.133 404014.599 1410316.703

27-01-R S 88 36 13.0 E 51.093 404008.577 1410563.762

27-02-R N 39 46 33.0 E 120.134 404007.332 1410614.840

27-03-R Delta: 25 50 00.0 Radius: 520.000

Arc: 234.456 Tangent: 119.255

Long Chord: N 26 51 33.0 E 232.475

27-04-R N 13 56 33.0 E 140.000 404307.057 1410795.732

27-05-R N 13 56 33.0 E 57.943 404442.932 1410830.465

Centerline of Flat Creek 404499.168 1410844.426

LEFT BANK:

E-W-W 1/256 Sec 27/34

27-01-L N 1 29 12.7 E 42.029 403372.937 1411280.537

27-02-L N 1 29 12.7 E 357.974 403730.790 1411289.825

27-03-L N 1 29 12.7 E 280.455 404011.151 1411297.102

27-04-L N 1 29 12.7 E 397.669 404408.686 1411307.421

27-05-L N 1 29 12.7 E 122.010 404530.655 1411310.587

Centerline of Elk Creek N 1 29 12.7 E 57.607 404588.242 1411312.082

Approximate centerline of Flat Creek and Elk Creek:

Begin centerline of Flat Creek S 59 32 08.2 E 67.449 404499.168 1410844.426

Flat Creek S 50 15 40.5 E 50.997 404464.971 1410902.563

Flat Creek S 54 33 00.3 E 57.592 404432.369 1410941.778

Flat Creek S 89 59 49.7 E 20.788 404398.967 1410988.694

Intersection Flat Creek/Elk Creek N 23 20 56.9 E 62.089 404398.966 1411009.482

Elk Creek N 29 01 01.8 E 49.308 404455.970 1411034.090

Elk Creek N 50 40 12.4 E 34.821 404499.088 1411058.008

Elk Creek N 39 04 28.4 E 46.330 404521.157 1411084.942

Elk Creek N 60 29 53.9 E 47.487 404557.124 1411114.145

Elk Creek S 89 57 43.1 E 109.788 404580.509 1411155.475

Elk Creek N 80 32 04.5 E 47.466 404580.436 1411265.263

End centerline of Elk Creek 404588.242 1411312.082

Refer to sheet 2 for horizontal control details

U.S. ARMY ENGINEER DISTRICT, PORTLAND

ROGUE RIVER BASIN  
ELK CREEK LAKE  
PROJECT BOUNDARY MONUMENTATION  
SECTION 27, TOWNSHIP 32 SOUTH, RANGE 1 EAST, W.M.  
JACKSON COUNTY, OREGON

SUPERVISED: all DRAWN: H-P CAM Ref: Real Estate Segment Map 3

DATE: AUGUST, 1988 SHEET: 1 of 2 PREPARED BY: HOFFBUHR & ASSOCIATES, INC. MEDFORD, OREGON

RECEIVED

Date: 9-21-88 By: [Signature]

This survey consists of

- 2 sheet(s) Map
- 0 page(s) Narrative

JACKSON COUNTY SURVEYOR

REGISTERED PROFESSIONAL LAND SURVEYOR

Roger R. Roberts

OREGON JULY 14, 1978 ROGER R. ROBERTS 1858

I, Roger R. Roberts, registered land surveyor in the State of Oregon, hereby certify that this plat and notes hereon, or attached, are a correct representation of a survey I performed during February, 1988, through July, 1988, at the request of the U.S. Army Corps of Engineers, in accordance with the survey recording act of the State of Oregon, and articles of the Department of the Army, Portland District, Corps of Engineers, Contract No. DACW57-87-C-0054.

Roger R. Roberts  
Roger R. Roberts



SURVEY NARRATIVE TO COMPLY WITH PARAGRAPH 209.250  
OREGON REVISED STATUTES

LOCATION: Section 27, Township 32 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 27, as shown on Segment 3 of the Corps of  
Engineers Elk Creek Lake Real Estate drawings. This survey  
was performed during February 1988 through July 1988.

PROCEDURE: Establishing Lambert State Plane Coordinate control.

Second order control monument Station SCALES, estab-  
lished by the Corps of Engineers in 1964 and located in the  
southwest quarter of the southwest quarter-section of  
adjoining Section 27, was used as a basis of Lambert State  
Plane Coordinates (South Zone). The 1974 adjusted  
coordinates were used. The line from Station SCALES to the  
Section corner common to Sections 27, 28, 33, and 34 was  
used as a basis of bearing. This section corner was included  
as part of the USCE "EC lines" traverse in 1964 and has 1974  
second order coordinates assigned to it. The USCE record  
bearing from SCALES to this section corner = South  
45°16'23.2" West.

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 consistency  
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 SCALES is:  
Scale factor (latitude N 42°45'12") = 0.9999207  
Elevation factor (1700') = 0.9999187  
Combined (grid) factor = 0.9998394  
All horizontal control established by this survey meets  
requirements of 3rd Order, Class 1, National Oceanic and  
Atmospheric Administration specifications for geodetic  
control.

Establishing section subdivision control:

The project boundary within Section 27 is dependent  
upon the section boundary and metes and bounds description.  
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.  
The four exterior quarter-section corners of Section 27  
have been perpetuated from original evidence.

The southwest corner of the section was re-established  
by the Jackson County Surveyor in 1955. According to the  
re-establishment notes, an attempt was made by the County  
Surveyor to set the monument at a double-proportionate  
position by using the four adjacent quarter-section corners,  
but this created a large discrepancy between the resultant  
north-south distances and the original record distance. He  
stated that an examination of the topographic calls isolated  
the problem to an error in the original survey notes between  
the section corner and the 1/4 corner of Sections 33 and 34  
to the south. The corner position was therefore established  
at single proportionate position east-west and record  
distance of 2640 ft. from the north.

The original monument and accessories at the southeast  
corner of the section have been lost, most likely due to the  
several fires that have occurred in that area since the  
original survey. A monument was set at double-proportionate  
position in 1980, a record of which is now on file at the  
County Surveyor's Office as Survey No. 8404 (RLS 601). The  
1/4 section corners to the east, west and north, and the  
southeast corner of Section 34 were used. The monumented  
position was destroyed by firefighting activities in  
September, 1987. However, the 1980 bearing trees were left  
intact. The corner was re-monumented from these bearing  
trees by the BLM in April, 1988.

The metal-filled reducers found at the south 1/16 cor-  
ner between Sections 27 and 28 and at the west 1/16 corner  
between Sections 27 and 34 were both stamped with "CS",  
indicating that they were set by the County Surveyor. They  
most likely were set during a private survey, Filed Survey  
No. 703, (RLS 281), in 1955.

The location of the W-W 1/64th section corner on the  
north boundary of Section 34 was computed on a bearing  
between the southwest corner of the section and the W 1/16th  
section corner between Sections 27 and 34.

Tract 314, as described in Instrument No. 74-08008,  
lays in Sections 27, 28, and 33. Although the metes &  
bounds courses outlined in the description for that portion  
of Tract 314 laying in the southwest quarter of the  
southwest quarter of the southwest quarter of Section 27 do  
not call for the parcel configuration to coincide with or  
run parallel with the adjacent section lines, this appeared  
to be the intent. Therefore, this 10 acre tract in Section  
27 was considered as being 660.0 ft (geodetic) on each side,  
and laying parallel with the west and south boundaries of  
the section. The monument found at 28/27-02-R, a metal-  
filled reducer on a pipe, was found to be 0.16 ft. from the  
computed position, but was accepted as marking the northwest  
corner of the tract. A similar monument found at  
28/27-01-R was determined to be 0.23 ft. from the computed  
position. It was accepted and used for this survey. The  
north boundary of this 10 acre tract was therefore computed  
from the found monument at 28/27-02-R easterly on a bearing  
parallel with the south boundary of the section.

Tract 315 is described in Jackson County Instrument No.  
73-09934 as lying "...East of Elk Creek Road and South of  
Flat Creek...". This portion of Elk Creek Road has not  
been monumented, and appears to vary considerably from the  
wagon road outlined in the 1888 Road Petition. The Flat  
Creek bridge widened on the upstream side and additional  
right of way was acquired on the westerly side of the road  
by the County in 1977. Research at the County Public Works  
Office yielded a set of field notes and a construction map  
"ELK CREEK ROAD - Vicinity of Bridge 402, Aug., 1978". By  
correlating our survey of the existing centerline of the  
road with the 1977 field notes, the location of the road  
centerline as it existed prior to the road widening was  
determined. This was the earliest information that could be  
located concerning the as-built location of the road. The  
easterly right of way boundary was then computed as being at  
record width of 20 feet from this computed centerline.

The centerlines of Flat Creek and Elk Creek were  
determined by making "sidetie" survey measurements to the  
visual centerline of each stream, and are meant to be only  
approximate. As shown on the plat on sheet 1, the main  
channel of Elk Creek runs along the north side of a small  
island, with a secondary channel running along the south  
side.

Using the section control determined as described  
above, Section 27 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:

Section corner common to Sections 27, 28, 33, and 34:  
Found, the 1.5" diameter reducer on a 1" pipe set in  
concrete, set by the County Surveyor in 1955, from  
which the four bearing trees marked at that time were  
found in good condition. Only two of the trees were  
measured to at this time:  
18" fir with healed blazes bears S 59° E 216.4 ft.  
24" fir with healed blazes bears N 63° W 241.5 ft.

Section corner common to Sections 26, 27, 34, and 35:  
Found, the 3" diameter BLM brass cap, recently set and  
not yet of record, exposed 3" at the top of an unstable  
cut bank on the south side of a logging road, from  
which bear the following bearing trees marked on Survey  
No. 8404 in 1980:  
14" fir with healed blazes bears N 31°43' W 63.7 ft.  
11" fir with scribing visible bears N40°54'E 61.2 ft.  
15" fir with scribing visible bears S62°48'W 55.7 ft.  
13" madrone, scribing visible, bears S57°41'E 93.8 ft.  
The monument is set at the double-proportionate  
position as established by Survey No. 8404.

Section corner common to Sections 2 and 3 in Township 33  
South, and Sections 34 and 35, Township 32 South:  
Found, the 3" diameter BLM brass cap set in 1968,  
exposed 3", and the following original bearing trees:  
63" diameter sawed fir stump, charred by recent fire,  
bears N 59° E 30.3 ft.  
41" diameter sawed fir stump, charred by recent fire,  
bears S 61°46' E 18.6 ft.  
15" fir with broken top, healed blazes, bears S 65°30'W  
20.6 ft.  
52" diameter sawed fir stump, charred by recent fire,  
bears N 26°47' W 62.7 ft.  
The bearing tree marked by the BLM, a 16" fir with  
healed blazes, bears S 5°44' W 39.3 ft.

Quarter-section corner common to Sections 26 and 35:  
Found, the metal-filled reducer on a 1.5" pipe, set  
from original evidence on Survey No. 2779 (RLS 583) in  
1965, exposed 6", and the following bearing trees:  
10" fir with healed lower blaze bears S 38° E 9.6 ft.  
10" diameter sawed fir stump, recently charred by  
forest fire, bears N 26° W 11.9 ft.

Quarter-section corner common to Sections 27 and 34:  
Found, the metal-filled reducer on a 1" pipe, set by  
the County Surveyor in 1955 from original evidence, and  
the following bearing trees:  
20" fir, recently blazed and scribed, bears N 57° E  
59.0 ft.  
17" Yew, dead from recent fire, bears N 85° W 12.6 ft.  
11" fir with healed blazes bears S 7° W 20.7 ft.  
9" diameter fir stump, fire charred, bears S 20° E 20.3  
ft.

Quarter-section corner common to Sections 26 and 27:  
Found, the metal-filled reducer on a 1.5" pipe, set  
from original evidence on Survey No. 2167 (RLS 583) in  
1963, exposed 9", and the following bearing trees:  
32" fir with healed lower blaze bears S 70° E 18.0 ft.  
23" fir with healed lower blaze bears N 37° W 29.2 ft.

Quarter-section corner common to Sections 27 and 28:  
Found, the 3" diameter BLM brass cap set in 1968, on a  
2.5" pipe exposed 7", and the following original  
bearing trees:  
22" fir with healed blazes bears S 68° E 22.6 ft.  
15" fir snag, with scribing visible, bears S 53° W 2.6  
ft.  
A 12" fir, marked in 1968, with blazes now healed,  
bears S 22° W 32.5 ft.

Quarter-section corner common to Sections 22 and 27:  
Found, the metal-filled reducer on a 1" pipe set from  
original evidence on Filed Survey No. 2534 in 1964,  
exposed 12", and the following bearing tree marked at  
that time:  
19" fir with healed blazes bears S 59° W 40.0 ft. to  
center of tree.

Center quarter-section corner: Found, a 3" diameter BLM  
brass cap, recently set and not yet of record, set  
flush at the north edge of an unimproved road, and  
following bearing trees:  
8" fir with scribing visible bears S 28° E 36.8 ft.  
12" fir with scribing visible bears S 65° W 73.7 ft.

West sixteenth-section corner between Sections 27 and 34:  
Found, the metal-filled reducer on a 1" pipe, exposed  
9", stamped "CS", set on Survey No. 730, and the  
following bearing trees:  
8" fir with scribing visible, recently killed by forest  
fire, bears S 69°04' E 10.0 ft.  
11" madrone with scribing visible, recently killed by  
fire, bears N 23°38' E 16.2 ft.

South sixteenth-section corner between Sections 27 and 28:  
Found the metal-filled reducer on a 1" pipe, set in  
1955 on Survey No. 730, stamped with "CS", and the  
following bearing trees:  
17" fir with healed blazes bears N 80° W 11.9 ft.  
12" fir with healed blazes bears N 11° E 33.5 ft.  
The monument is approximately 20 ft. north of the  
centerline of Flat Creek Road.

Center-south sixteenth-section corner: Found, a 3"  
diameter BLM brass cap, recently set and not yet of  
record, in a mound of stone, and the following bearing  
trees:  
13" white oak with scribing visible bears N 60° E 31.5  
ft.  
15" white oak with scribing visible bears N 20° W 67.0  
ft.

Center-west sixteenth-section corner: Found, a 3" diameter  
BLM brass cap on a 2.5" diameter pipe, recently set and  
not yet of record, south of Elk Creek Road and 1.5 ft.  
northerly of the right of way fence, exposed 3". No  
bearing trees evident.

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*Roger R. Roberts*

OREGON  
JULY 14, 1978  
ROGER R. ROBERTS  
1855

U.S. ARMY ENGINEER DISTRICT, PORTLAND

ROGUE RIVER BASIN  
ELK CREEK LAKE  
PROJECT BOUNDARY MONUMENTATION  
SECTION 27, TOWNSHIP 32 SOUTH, RANGE 1 EAST, W.M.  
JACKSON COUNTY, OREGON

SUPERVISED: <i>ARR</i>	DRAWN: H-P CAM	Ref: Real Estate Segment Map 3 NPPEN-SY-86-50
DATE: August, 1988	SHEET: 2 of 2	PREPARED BY: HOFFBUHR & ASSOCIATES, INC. MEDFORD, OREGON