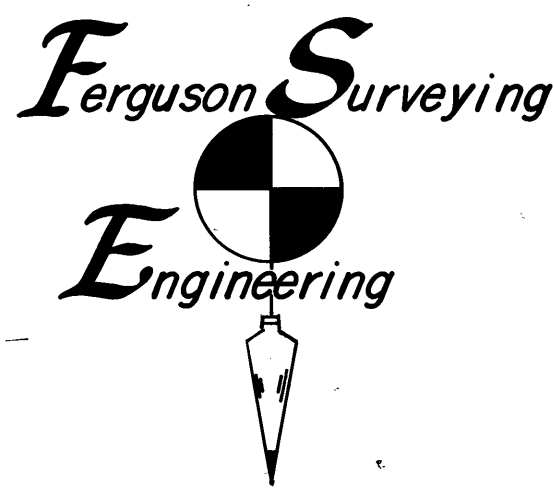


SUBDIVISION OF SECTIONS 4, 8, 9, & 10 AND CORRECTION TO MAP OF SURVEY 949 ALONG THE NORTH LINES OF SECTIONS 4, 5, & 6 ALL IN T.12S., R.33E., W.M. GRANT COUNTY OREGON.

SURVEYED: JUNE & JULY 1988  
DRAWING & DOCUMENTATION: FEB. 1989

BY: Douglas M. Ferguson, Ken Delano, & D. Mitchell Ferguson  
DRAWN BY: Mollie Ferguson Wood

Survey performed at the request of U.S.D.A. Forest Service,  
A portion of the "HAY CADASTRAL SURVEY".



- LEGEND**
- Found monument of record, or as noted.
  - Set 2-1/2"x30" aluminum pipe with 3-1/2" aluminum cap, stamped as shown under Monumentation.
  - ( ) Bearing or distance of record, as reported by John B. Davide in 1869, under General Land Office Contract No. 131.
  - \*( ) Bearing or distance of record, as reported by Herman D. Gradon in 1881, under General Land Office Contract No. 383.
  - [ ] Record bearing & distance reported in Dependent Resurvey by the Bureau of Land Management in 1966.
  - \*[ ] Record bearing & distance as reported on map of survey 949, as performed by this surveyor, PLS 848 in 1986.
  - ////// Marked forest boundary by steel post with boundary signs at max. intervals of 250'.
  - <> Bearing & distance from 1987 B.L.M. Survey. This survey is not yet approved and is unofficial.

**HISTORY**

In Aug. 1869, John B. David, performed the original survey of the South four tiers of sections in T.12S., R.33E., under General Land Office Contract No. 131. As pertinent to this Survey the South lines of Sections 8, 9 & 10.

In April 1881, Bamford Robb & William R. Gradon, under joint General Land Office Contract No. 383 performed the original survey of the North line of this T.12S., R.33E., and the North two tiers of sections in this township.

In 1959, Howard Taylor recovered many of the original corners and marked various approx. 1/16 corners in this T.12S., R.33E. All This work was performed for Port Blakely Mills. There is no official record of this work. The Malheur National Forest has copies of such field notes.

In 1966, the Bureau of Land Management, under special instruction dated May 7, 1965, performed a Dependent Resurvey of a portion of the North and East Boundaries and Subdivisional Lines, of this T.12S., R.33E. This survey is shown in the Grant County Survey Records as Map of Survey No. 721.

In 1979, Gordon H. Long, PLS 1017 monumented the 1/4 Corner S7/S8 as based on original evidence, and notes of Martin Louthier, as dated 7-17-56.

In 1981, R.D. Baggett monumented the Corner to Sections 32/33/4/5, T.11/12S., R.33E., as based on original evidence.

In 1986, this surveyor, Douglas M. Ferguson, PLS 848, subdivided Section 3 and retraced the North lines of Sections 4, 5, & 8 as shown on Map of Survey No. 949 of the Grant County Survey Records.

This Survey revealed corners set by the Bureau of Land Management in 1987. Those corners are shown on the Map. In talking to BLM officials it is learned that such survey work will become public record in the near future, however at this time there is no official record. The East & South 1/4 corners of Sec. 10 are re-established in this B.L.M. Survey from erroneous to corrected positions.

This survey is performed under contract for the Malheur National Forest, the purpose of which is the establishment and marking of the Forest Boundary as shown on this Map.

In order to perform the required subdivisions the exterior lines of Section 4, 8, 9, & 10 are retraced as applicable and shown on the Map. All the pertinent corners as previously monumented as discussed in the "HISTORY" are found. Original evidence is found at the other pertinent corners required to make the needed subdivisions.

When the control survey is closed into the NW corner of Section 4 a blunder is indicated when compared to work performed in Map of Survey No. 949. The control is then run, independent of Survey No. 949 along the North & East lines of Section 4 to a closure at the NW corner of Section 4, where a good closure is obtained. In analyzing the blunder it is found that it occurred at or just West of the corner of Sections 33/34/3/4 in the control of Survey No. 949. This survey will correct that blunder as shown on that map and change the Bearings along the North lines of Sections 4, 5, & 8 so they conform to the basis of bearings of map of survey No. 949 as follows:

E1/2 Sec. 4 from N89°52'05"W to S89°37'42"W  
W1/2 Sec. 4 from N89°35'07"W to S89°48'35"W  
E1/2 Sec. 5 from N89°29'16"W to S89°54'26"W  
W1/2 Sec. 5 from N89°21'36"W to N89°57'54"W  
E1/2 Sec. 6 from N88°41'30"W to N89°17'48"W  
W1/2 Sec. 6 from N87°59'04"W to N88°35'22"W

There is nothing that changes on the ground and the Bearings West from the NW Corner of Section 4 are relative. The control survey for survey No. 949 was run in closed loops and correct except that portion West from the NE corner of Section 4 is on a improper bearing and corrected herein.

The required subdivisions are then performed in a normal manner and the required corners established and lines marked as shown on the map.

The "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" forms as referenced to this Map and the notes shown on the Map should be considered a substantial part of this "NARRATIVE", as they contain the detailed information as to the evaluation of evidence and monumentation work performed.

Positional control for this survey is provided by a closed traverse network. LIETZ SDM 3E, Electronic tachometer is used to obtain the measurements and HP-86B computer system is used to perform the computations. Field Notes and computations are on file in the office of "FERGUSON SURVEYING & ENGINEERING" Mt. Vernon Oregon.

I, Douglas M. Ferguson, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this plat, notes and records hereon or referenced are a correct representation of the survey I performed during June & July, 1988 and Feb. 1989, for the U.S. Forest Service, in accordance with the statutes of the State of OR. & the articles of my Contract, No. 53-04H-7-402.

Douglas M. Ferguson, Or. PLS 848  
Pres. Ferguson Surveying & Engineering.

**MONUMENTATION**

See standard U.S.F.S. "INDEX No.", in circle, on the Map above. Monuments are stamped & Bearing Trees or other Accessories are taken as shown below. Nailed Bearing Tree signs above scribing blaze, warning signs on back and brass washers stamped "PLS 848" above BT scribe on each tree. Set steel posts with warning and/or boundary signs, on the property line, approx. 5 ft. each way from Property Corners. Set steel posts with warning signs within 5 ft. in a cardinal direction from each Controlling Corner. See "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" forms as referenced to this Map of Survey "No. 1064" and on file in office of the Grant County Surveyor, for complete description of History, Evidence, Monument & Accessories.

T12S R33E  
N1/6 S4  
1988  
PLS 848  
Tamarack 16" dia, Bears N60°E, 92 ft., scribed: N1/6 S4 BT  
" 14" dia, Bears N49°W, 62.4 ft., " N1/6 S5 BT

T12S R33E  
NW1/6 S4  
1988  
PLS 848  
Tamarack 10" dia, Bears N72°E, 21.4 ft., scribed: NW1/6 S4 BT  
Lodgepole Pine 10" dia, Bears S8°W, 21.2 ft., " NW1/6 S4 BT

T12S R33E  
NW1/6 S4  
1988  
PLS 848  
Pine 14" dia, Bears N57°W, 63.7 ft., scribed: CN1/6 S4 BT  
" 16" dia, Bears N24°E, 17.6 ft., " CN1/6 S4 BT

T12S R33E  
E1/6 S4  
1988  
PLS 848  
Fir 8" dia, Bears N40°E, 15.2 ft., scribed: CE1/6 S4 BT  
" 6" dia, Bears S70°E, 36.5 ft., " CE1/6 S4 BT

T12S R33E  
C1/4 S4  
1988  
PLS 848  
Fir 14" dia, Bears S70°E, 12.2 ft., scribed: C1/4 S4 BT  
" 14" dia, Bears S29°W, 13.3 ft., " C1/4 S4 BT

T12S R33E  
NW1/6 S4  
1988  
PLS 848  
Fir 10" dia, Bears S34°E, 29.0 ft., scribed: CW1/6 S4 BT  
" 10" dia, Bears West, 33 ft., " CW1/6 S4 BT

T12S R33E (New Bearing Trees)  
N1/6 S4  
1988  
PLS 848  
Fir 8" dia, Bears S12°W, 25.3 ft., scribed: N1/6 S4 BT  
Tamarack 8" dia, Bears S36°E, 28.2 ft., " I/4 S4 BT

T12S R33E  
SW1/6 S4  
1988  
PLS 848  
Pine 14" dia, Bears S70°E, 42.9 ft., scribed: SW1/6 S4 BT  
" 12" dia, Bears S29°W, 29.2 ft., " SW1/6 S4 BT

T12S R33E  
D1/16 S4  
1988  
PLS 848  
Pine 12" dia, Bears N70°W, 30.4 ft., scribed: CS1/6 S4 BT  
" 6" dia, Bears S66°E, 14.9 ft., " CS1/6 S4 BT

T12S R33E  
SE1/6 S4  
1988  
PLS 848  
Fir 14" dia, Bears S19°W, 3.2 ft., scribed: SE1/6 S4 BT  
" 10" dia, Bears N80°W, 14.8 ft., " SE1/6 S4 BT

T12S R33E  
E1/16 S4  
1988  
PLS 848  
Pine 22" dia, Bears N15°E, 25.8 ft., scribed: I/4 S4 BT  
" 12" dia, Bears S63°E, 45.0 ft., " I/4 S9 BT

T12S R33E  
E1/16 S9  
1988  
PLS 848  
Fir 12" dia, Bears N31°E, 17.8 ft., scribed: W1/6 S4 BT  
" 12" dia, Bears S34°W, 23.8 ft., " W1/6 S9 BT

T12S R33E (New Bearing Trees)  
N1/6 S4  
1988  
PLS 848  
Tamarack 10" dia, Bears N75°W, 7.0 ft., scribed: T12S R33E S5 BT  
Pine 14" dia, Bears N52°E, 59.4 ft., " T12S R33E S4 BT  
" 14" dia, Bears S26°E, 49.9 ft., " T12S R33E S9 BT  
" 2" dia, Bears S12°W, 21.3 ft., " T12S R33E S8 BT

T12S R33E  
N1/6 S4  
1988  
PLS 848  
Pine 12" dia, Bears S40°E, 11.4 ft., scribed: I/4 S8 BT  
Fir 14" dia, Bears N20°W, 30.5 ft., " I/4 S5 BT

T12S R33E  
N1/6 S9  
1988  
PLS 848  
Fir 8" dia, Bears N6°E, 27.6 ft., scribed: NW1/6 S9 BT  
" 16" dia, Bears S13°W, 8.7 ft., " NW1/6 S9 BT

T12S R33E  
NW1/6 S9  
1988  
PLS 848  
Pine 16" dia, Bears S50°E, 17.3 ft., scribed: CN1/6 S9 BT  
" 8" dia, Bears N35°E, 32.9 ft., " CN1/6 S9 BT

T12S R33E  
S1/6 S9  
1988  
PLS 848  
Fir 12" dia, Bears S25°E, 38.4 ft., scribed: C1/4 S10 BT  
Pine 12" dia, Bears N70°W, 35.2 ft., " C1/4 S10 BT

T12S R33E (New Bearing Trees)  
N1/6 S10  
1988  
PLS 848  
Pine 10" dia, Bears S78°W, 14.3 ft., scribed: I/4 S9 BT  
" 6" dia, Bears S15°E, 40.0 ft., " I/4 S0 BT

T12S R33E  
C1/4 S9  
1988  
PLS 848  
Pine 14" dia, Bears S20°E, 2.3 ft., scribed: C1/4 S9 BT  
Fir 14" dia, Bears N6°W, 2.0 ft., " C1/4 S9 BT

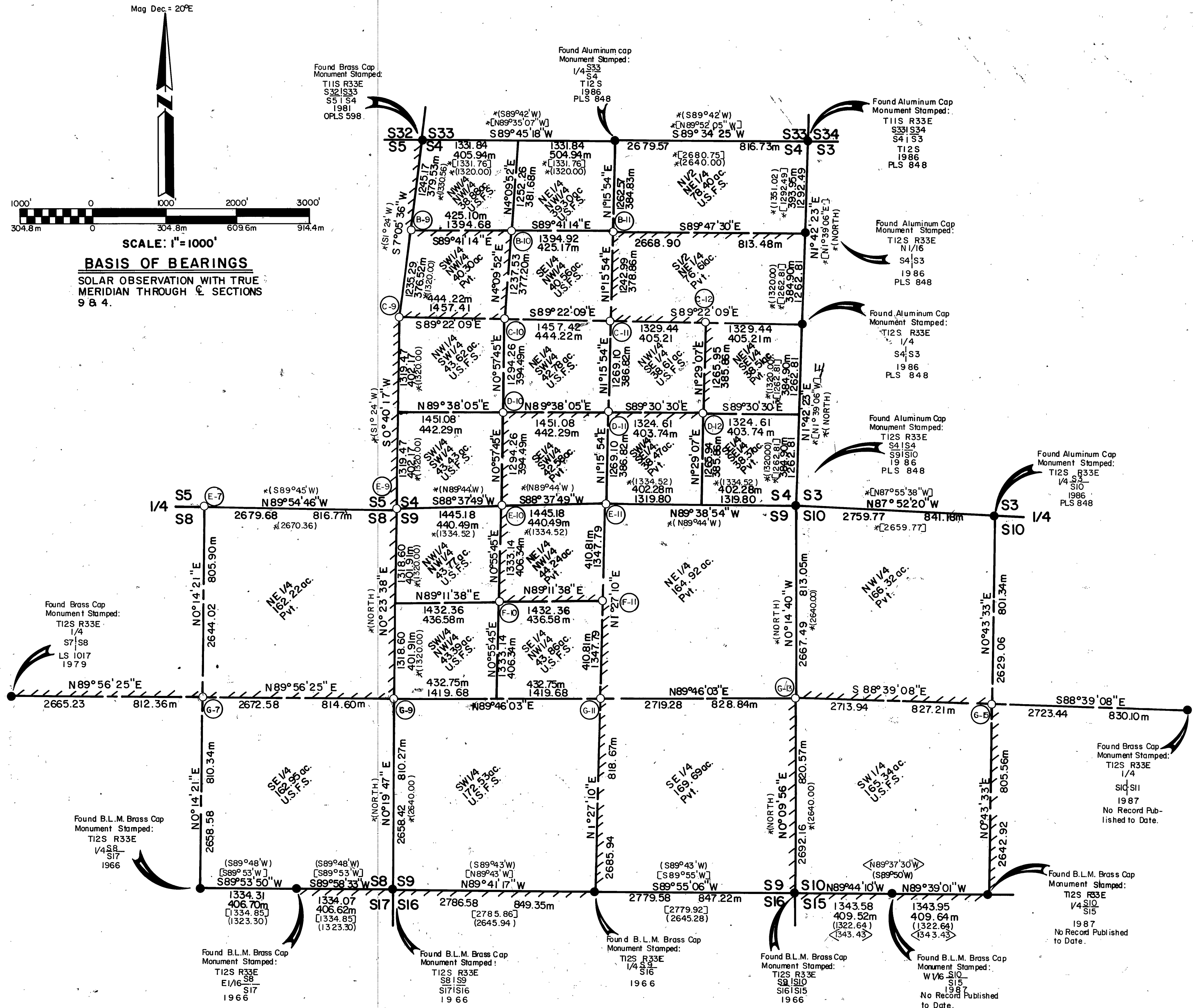
T12S R33E (New Bearing Trees)  
N1/6 S9  
1988  
PLS 848  
Pine 10" dia, Bears N81°W, 19.4 ft., scribed: I/4 S8 BT  
Fir 14" dia, Bears S33°E, 9.5 ft., " I/4 S9 BT

T12S R33E  
S1/6 S8  
1988  
PLS 848  
Juniper 12" dia, Bears N68°W, 46.6 ft., scribed: C1/4 S8 BT  
Pine 24" dia, Bears N26°E, 24.5 ft., " C1/4 S8 BT

T12S R33E  
S1/6 S8  
1988  
PLS 848  
No Record Published to Date.

T12S R33E  
S1/6 S8  
1988  
PLS 848  
No Record Published to Date.

T12S R33E  
S1/6 S8  
1988  
PLS 848  
No Record Published to Date.



RECEIVED AND  
FILED

JUL 25 1989

OFFICE OF COUNTY SURVEYOR

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE

THIS 5th DAY OF May 1989

BY: [Signature] COR.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE

REQUEST OF THE MALHEUR

NATIONAL FOREST SUPERVISOR

DATE 5/19/89

MAP OF SURVEY NO. 1068