

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

Supplement to the  
Establishment Report  
for  
Olallie Ridge Research Natural Area



Supplement to the  
Establishment Record  
For  
Olallie Ridge Research Natural Area  
Willamette National Forest  
Lane County, Oregon

For A Supplement to the  
RESEARCH NATURAL AREA ESTABLISHMENT RECORD

Olallie Ridge Research Natural Area

Willamette National Forest

Lane County, Oregon

Establishing the Boundary Description for Olallie Ridge Research  
Natural Area.

The undersigned certify that all applicable land management planning and environmental analysis requirements have been met and that boundaries are clearly identified in accordance with FSM 4063.21, Mapping and Recordation, and FSM 4063.41, Establishment Record Content, in arriving at this recommendation.

Prepared by Allison Reger Date 3/17/09  
Allison Reger, RNA Coordinator

Recommended by Mary Allison Date 3-18-09  
Mary Allison, District Ranger

Recommended by Dallas Emch Date 3/17/09  
Dallas Emch, Forest Supervisor

Concurrence of Charles H. Shown III for Date 3/23/09  
Bov B. Eav, Station Director

By virtue of the authority vested in me by CFR 2.60(a) and 36 CFR 251.23 of the Regulations of the Secretary of Agriculture, I hereby order that the lands described in the preceding establishment record by John Ransom, dated March 2, 2009, be designated as part of the Olallie Ridge Research Natural Area.

Mary Wagner  
Mary Wagner  
Regional Forester

3/25/2009  
Date

## Supplement to the Establishment Report

This document is a supplement to the existing Establishment Report and is intended to meet the intent of the original Report. The purpose of the supplement is to clarify the boundary of the RNA and produce a formal boundary description which the RNA lacks.

In 1962 the Olallie Research Natural Area was established. At the time of establishment only a general description was given as to the location of the RNA. The RNA was established and the acreage estimated to be 720 acres. Within the ER, page 3, the boundary is described as the "*boundary adjacent to access roads will be fifty feet, horizontal distance, from the cut-and-fill slopes*". The roads identified in the Establishment Report were not yet constructed. In the ER was a map indicating the boundary of the RNA would be just south of the proposed roads. It was noted in the ER that a formal boundary description was anticipated but no documentation of a formal boundary description was every found.

Over time, since the Establishment Report was signed in 1962, the roads were built and the RNA was digitized into GIS. These two key events may have happened independent of each other resulting in a road going through Olallie RNA.

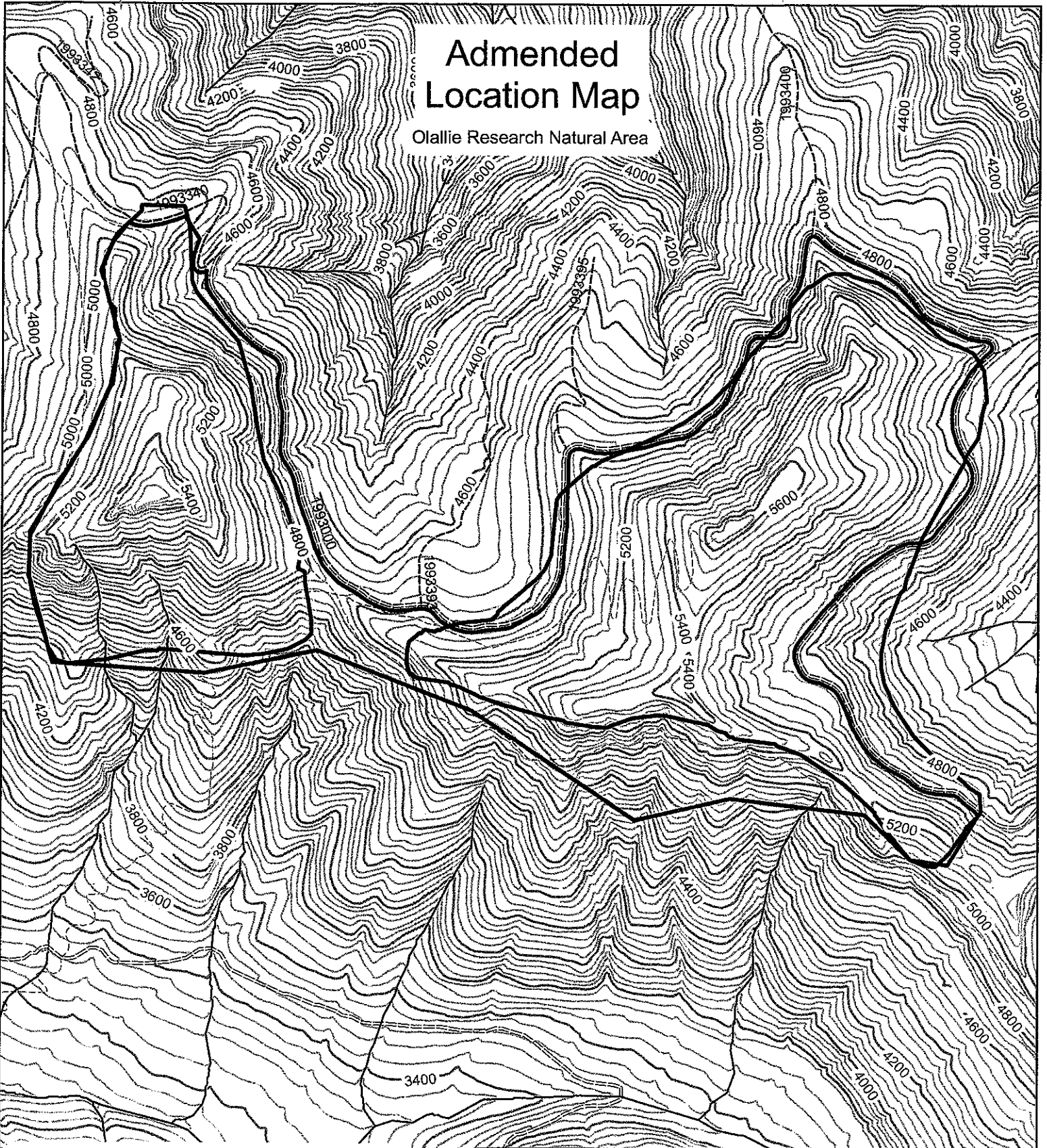
Also not meeting the goal of the original Establishment Report was the total acreage. The initial boundaries in GIS were mapped to 655 acres as opposed to the intended 720 acres.

To correct the boundary and complete a formal boundary description for the RNA, a small team was assembled consisting of the Forest RNA Coordinator, Forest Ecologist, Regional Cartographer, and Area Surveyor to discuss the best boundary that would meet the meaning of the ER. The team first adjusted the boundaries of the RNA to be 50 feet from the center line of the access roads. The team then looked for areas to expand the RNA to meet the acreage objective and increase its value for research purposes. The resulting work is a formal boundary description that meets the goals of Research Natural Areas and meets the objectives originally intended for Olallie Ridge RNA.

The following maps and boundary description are included with the original Establishment Report as documentation.

# Admended Location Map



Olallie Research Natural Area



## Ollalie RNA Acres

	Acres
Establishment Report	720
Original RNA in GIS	655
Admended RNA	720

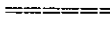

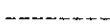
## Legend

-  Olallie Boundary
-  Original RNA

### Streams

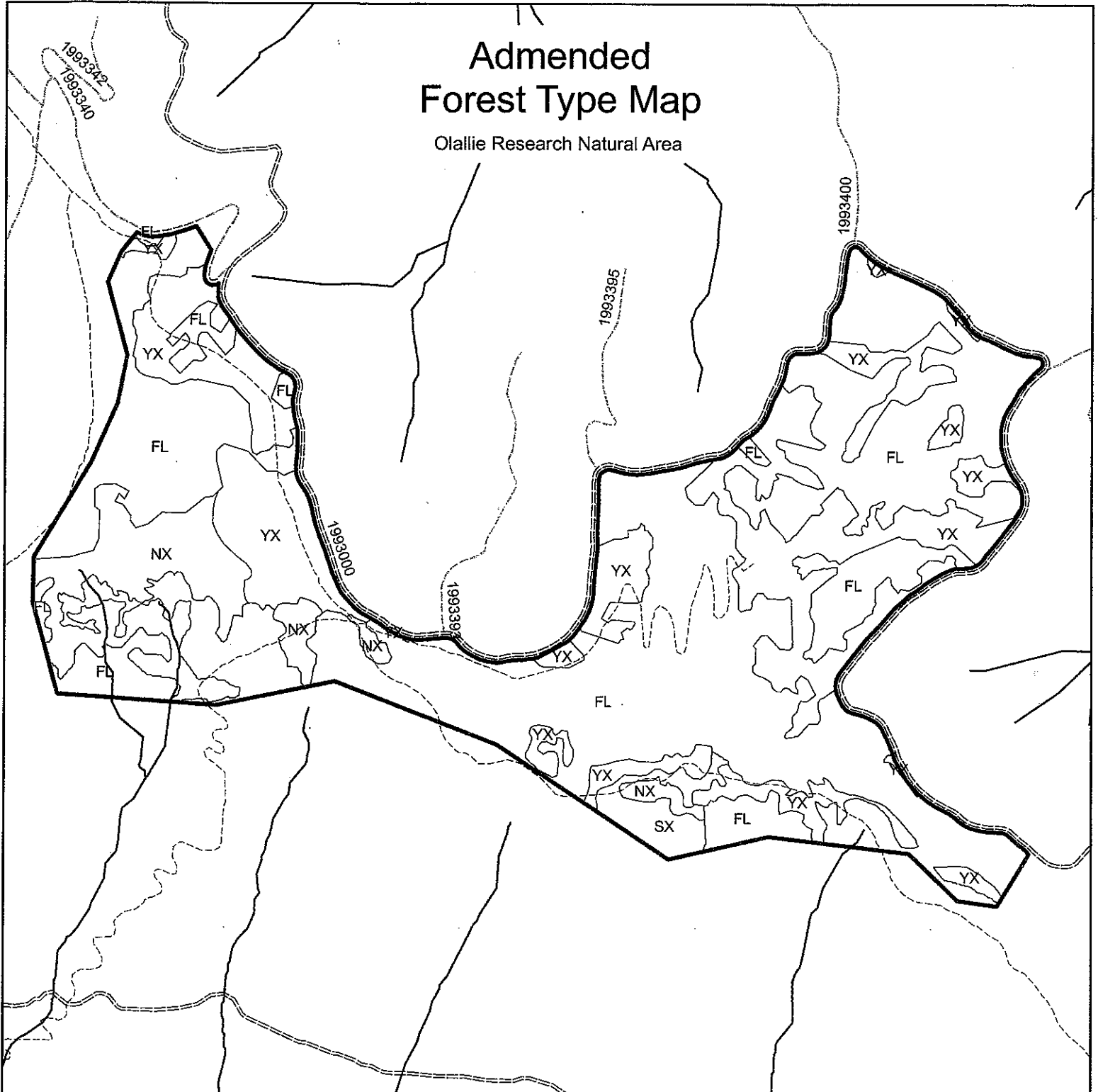
-  Stream classes 1-3

### Roads

-  collector
-  local
-  Trail

# Admended Forest Type Map

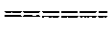
Olallie Research Natural Area

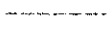


## Legend

 Olallie Boundary

### Roads


 collector


 local


### Streams


 Stream classes 1-3

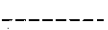
### Land Cover

 FL - Forestland

 NX - Barrenland

 SX - Shrubland

 YX - Herbland

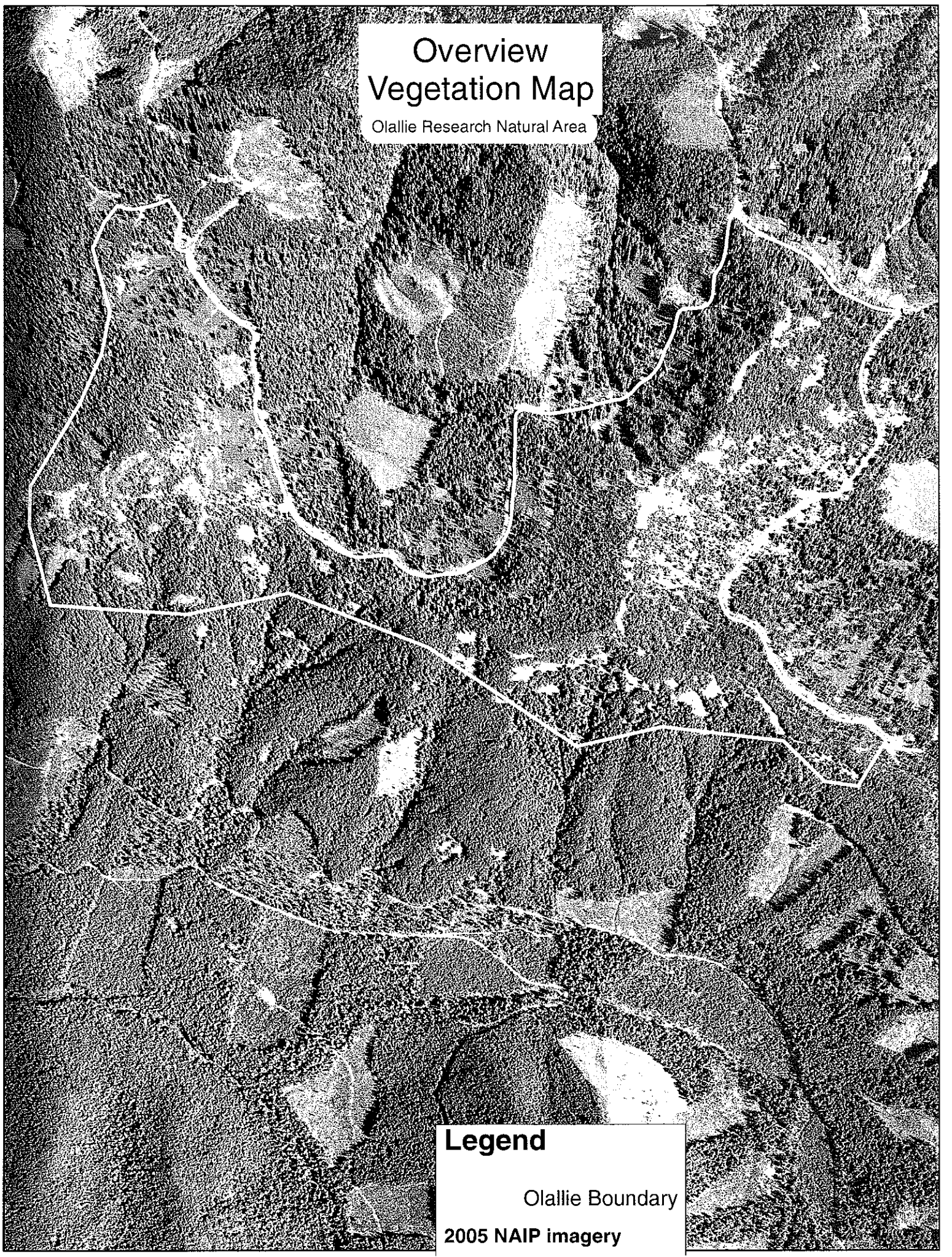
 Trail

Land Cover	Acres
FL	453
NX	66
SX	15
YX	187
	720



# Overview Vegetation Map

Olallie Research Natural Area



## Legend

Olallie Boundary

2005 NAIP imagery

I hereby certify the enclosed boundary description for the **Olallie Ridge Research National Area** on the Willamette National Forest.

Date March 2, 2009

Signed John Ransom  
John Ransom, Zone Lead Land Surveyor



## OLALLIE RESEARCH NATURAL AREA

The Olallie RNA boundary was created in the Willamette National Forest Geographical Information System (GIS).

The Point of Beginning (POB) is a point that is 50 feet West of Road Number 1993-000 and Southerly of Road Number 1993-340 on the Willamette National Forest. (Southwesterly from the centerline junction of the roads)

The RNA is located in T.17 S., R.6 E., Sections 3, 4, 5, 8, 9, & 10, Willamette Meridian

All remaining control points were obtained from the Forest's Geographical Information System (GIS). All values relate to the NAD1983 State Plane Coordinate (South Zone) System.

The POB coordinates were from the digitized boundary line created by the Willamette National Forest.

Geographic Coordinates for the POB:

Latitude: 44-07-22.580

Longitude: 122-06-36.143

State Plane Coordinates for the POB:

Northing: 899,285.68

Easting: 4,498,466.75

For this area, the following data to be applied:

Mapping Angle: -1-06-05

Scale Factor: 1.0000336

Elev. Factor: 0.9997608 (based on elevation of 5000 feet)

Grid Factor: 0.9997945

Conversion factor used for feet to meters: 1 meter = 3.28084 feet

OLALLIE RESEARCH NATURAL AREA

QUADANGLE SHEET(S) NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
FRENCH MTN	1			Beginning at that point which is South and West of the junction to Roads No. 1993 and 1993-340, said point being 50 feet westerly of Road No. 1993 and southerly of Road No. 1993-340 THENCE,
			4.18 mi.	Paralleling Road No. 1993 in a general southeasterly direction, 50 feet from the centerline for approximately 4.18 miles, to:
	2			Angle Point No. 2 that is defined by the State Plane Coordinates: N = 893,425 E = 4,506,952 THENCE,
	3	S 31-29-39 W	638.28 (195.548)	To Angle Point No. 3 THENCE,
	4	N 82-28-33 W	409.25 (124.739)	To Angle Point No. 4 THENCE,
	5	N 46-12-07 W	700.78 (213.598)	To Angle Point No. 5 THENCE,

OLALLIE RESEARCH NATURAL AREA

QUADANGLE SHEET(S) NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
FRENCH MTN				
	6	N 83-42-45 W	1468.34 (437.796)	To Angle Point No. 6 THENCE,
	7	S 76-51-07 W	1068.69 (325.737)	To Angle Point No. 7 THENCE,
	8	N 56-46-36 W	2153.85 (656.493)	To Angle Point No. 8 THENCE,
	9	N 69-07-49 W	1808.37 (551.191)	To Angle Point No. 9 THENCE,
	10	S 77-49-42 W	1253.87 (382.180)	To Angle Point No. 10 THENCE,
	11	N 86-25-40 W	1653.49 (503.984)	To Angle Point No. 11 THENCE,
	12	N 15-36-57 W	988.46 (301.283)	To Angle Point No. 12 THENCE,
	13	N 01-11-15 E	472.66 (144.067)	To Angle Point No. 13 THENCE,

OLALLIE RESEARCH NATURAL AREA

QUADANGLE SHEET(S) NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
FRENCH MTN		N 30-35-35 E	1147.48 (349.752)	To Angle Point No. 14
	14			THENCE,
		N 23-35-24 E	669.58 (204.088)	To Angle Point No. 15
	15			THENCE,
		N 10-31-30 E	513.13 (156.402)	To Angle Point No. 16
	16			THENCE,
		N 15-38-09 W	783.73 (238.881)	To Angle Point No. 17
	17			THENCE,
		N 23-03-15 E	345.30 (105.247)	To Angle Point No. 18
	18			THENCE,
		N 37-58-57 E	254.82 (77.669)	To Angle Point No. 19 which is 50 feet southerly from the centerline of Road No. 1993-340
	19			THENCE,

**OLALLIE RESEARCH NATURAL AREA**

QUADANGLE SHEET(S) NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
FRENCH MTN			635 feet (193.548)	Paralleling USFS Road No. 1993-340, 50 feet from the centerline for approximately 635 feet to:
	20			Angle Point No. 20 that is southeasterly and 50 feet from the centerline of Road No. 1993-340 and is defined by the State Plane Coordinates: N = 899,876 E = 4,498,223 THENCE,
		S 32-54-50 E	291.33 (88.797)	To Angle Point No. 21 which is 50 feet northwesterly from of the centerline of Road No. 1993-340 THENCE,
	21			
			495 feet (150.876)	Paralleling USFS Road No. 1993-340, 50 feet from the centerline for approximately 495 feet to Angle Point No. 1 and the Point of Beginning

\*\*\*\*\* The boundary for this description is in the Willamette NF Forest GIS and the acreage is 720 acres.