

Upper South Umpqua Headwaters Precontact Reference Study: Methods & Objectives

Report Prepared for
SW Oregon Resource Conservation & Development
January 19, 2010
Roseburg, Oregon

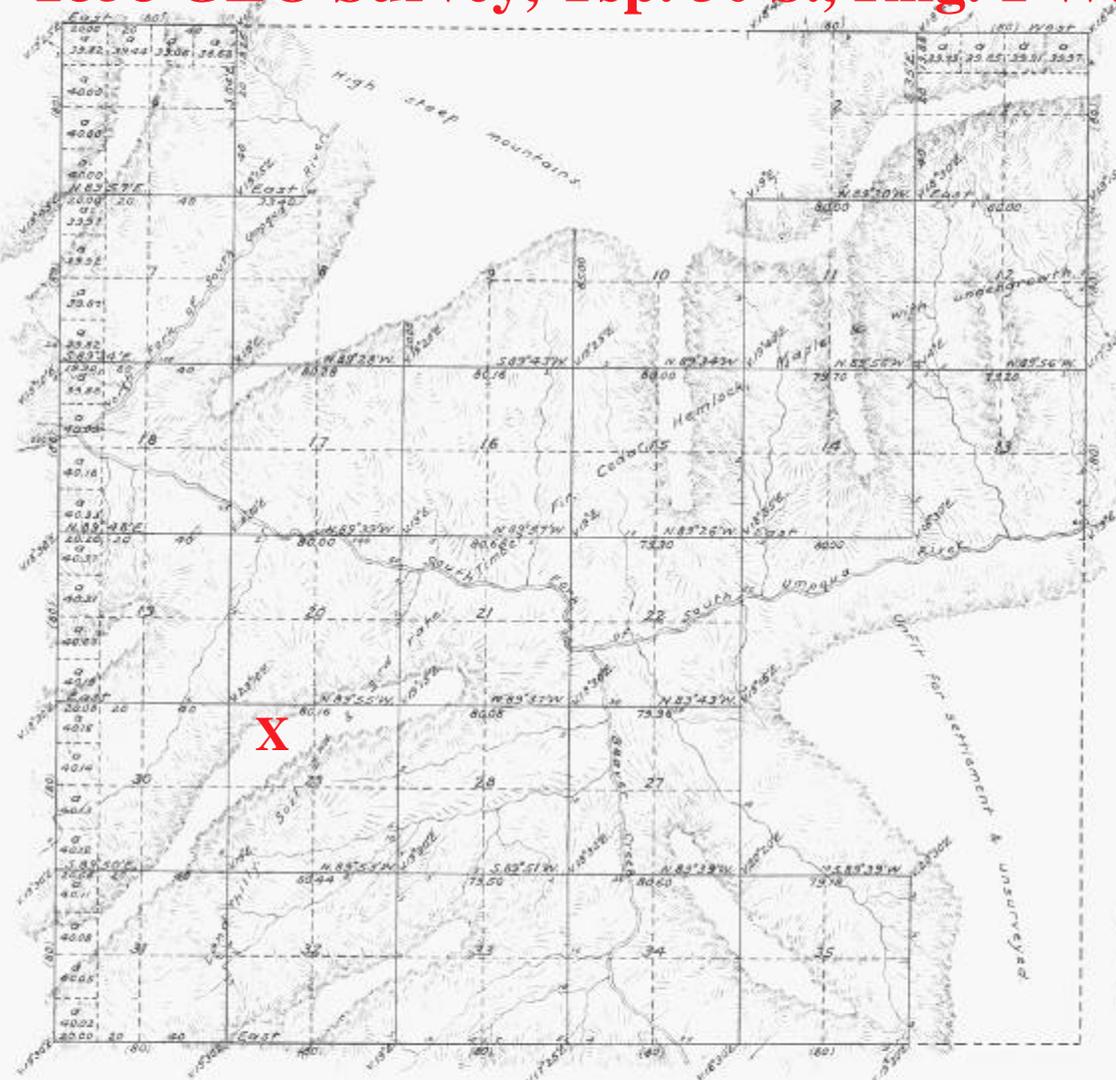
Presented by
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Resource Management Services, LLC

The purpose of this study is to produce a reliable landscape-scale description of precontact (pre-1826) forest conditions for the eastern portion of present-day Tiller Ranger District of the Umpqua National Forest in Douglas County, Oregon which will be used to update Community Wildfire Protection Plans.

The description will be assembled from a comprehensive Range of cultural, historical, and contemporary sources of information and results will be displayed in a wide variety of formats -- including maps, texts, tables, photographs, video, GIS layers, and Internet -- in order to reach the broadest possible audience over time and to encourage optimum uses of these resources.

Township No. 30 South, Range No. 1 West, Willamette Meridian, Oregon.

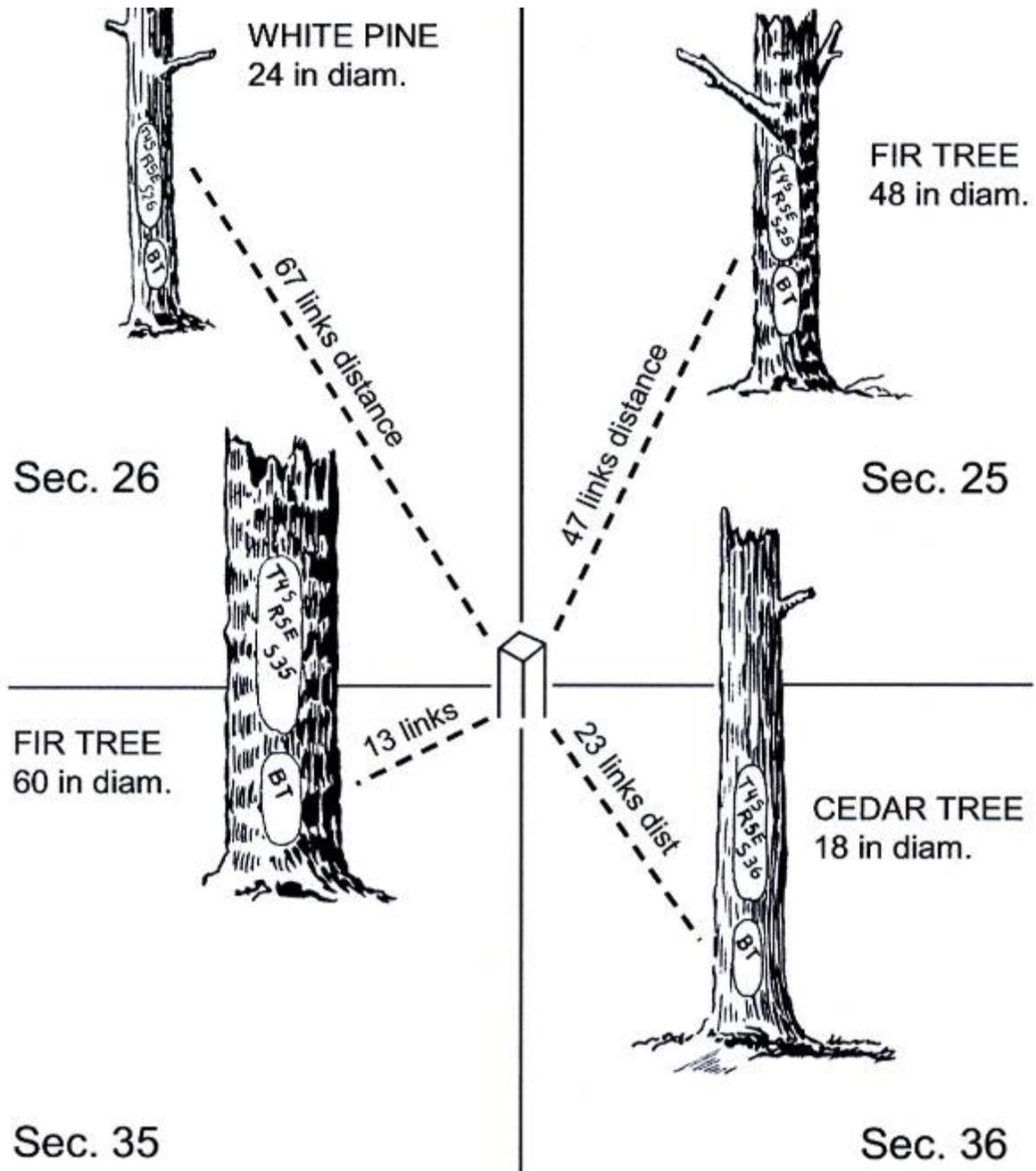
1858 GLO Survey, Tsp. 30 S., Rng. 1 W.



Surveys designated	By whom surveyed	Contract		Amd of Surveys Miss chains links	When Surveyed
		No.	Date		
Township Lines	Dennis Hathorn	73	June 8 th 1857	11 00 00	February 20 th 1858
Subdivisions	Dennis Hathorn	73	June 8 th 1857	47 37 01	February 20 th 1858
Total number of Acres	16,158.45				

The above Map of Fractional Township No. 30 South, of Range No. 1 West, of the Willamette Meridian, Territory of Oregon, is strictly conformable to the field notes of the survey thereof on file in this office which have been examined and approved
 Surveyor General's Office,
 Salem, February 20th 1858. (Signed) John S. Zieber.
 Sur. Gen. of Oregon.

Public Survey Office,
 Portland, Oregon,
 September 3, 1858.
 I certify this to be a correct
 copy of the original plot on file in
 this office.
 Joseph A. Gausman
 Office Cadastral Engineer.



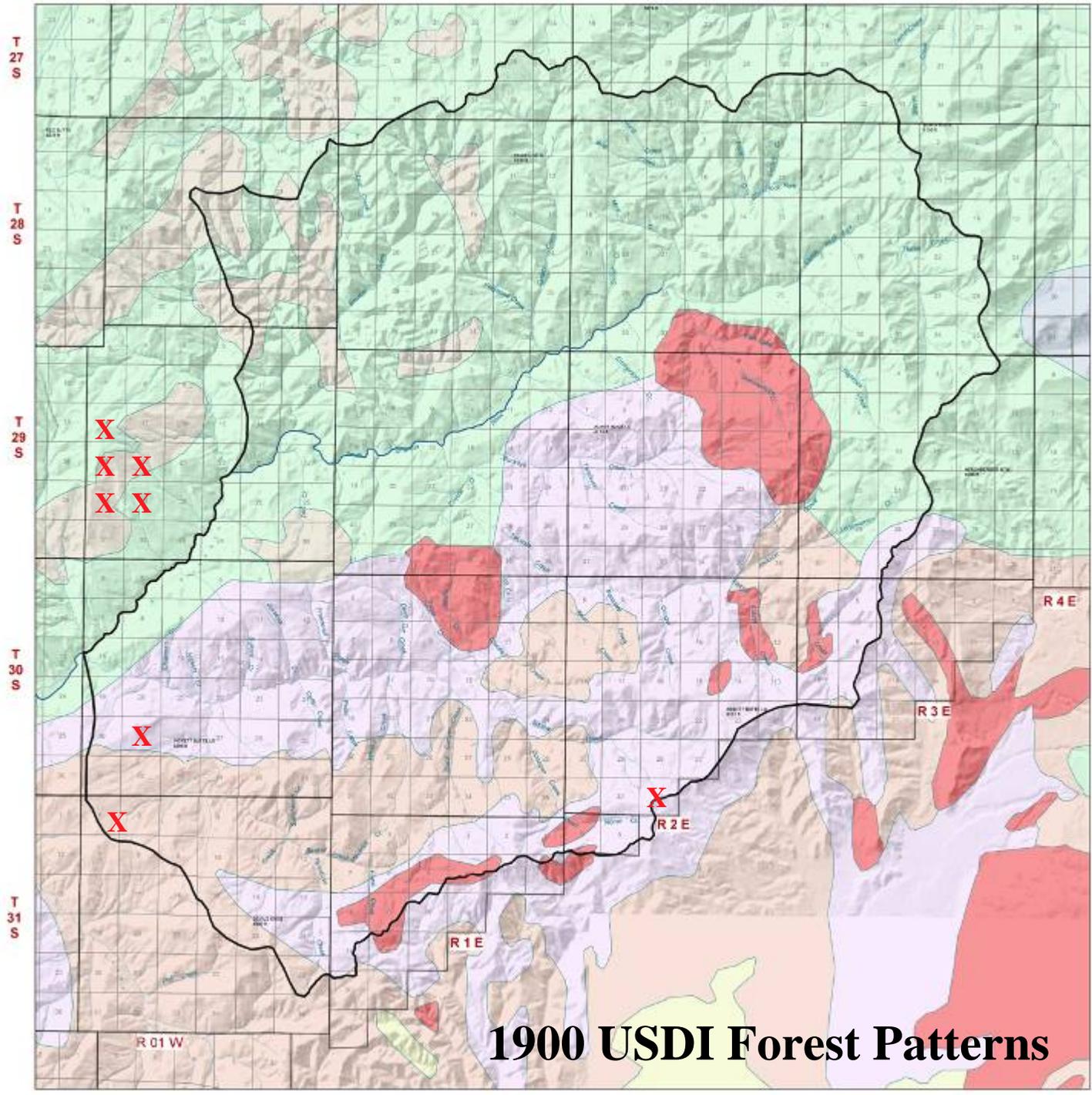
GLO Survey Methods (Powell 2008: 2)

The whole district is heavily timbered with the exception of some pine openings in sec. 28, and in places where the timber has been destroyed by fire, denuded tracts called "burns". These burns are timberless but are covered with dense undergrowth in the greater part of their extent. The Big Burn is some two miles long and a mile wide, embracing portions of secs. 18, 19, 20, 29 and 30.

The Horseshoe Burn is about a mile long and a half mile wide and lies in secs. 28 and 29.

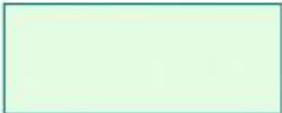
The timber includes red and white fir, sugar and yellow pine, cedar, hemlock and laurel. Of these the red fir is most abundant, white fir second. There are no considerable growths of pine timber. The yellow pine grows sparsely on the lower south slopes while the sugar pines are scattered here and there among the fir forests. Many of the red firs and sugar pines are magnificent trees, some of them attaining a diameter of eight feet.

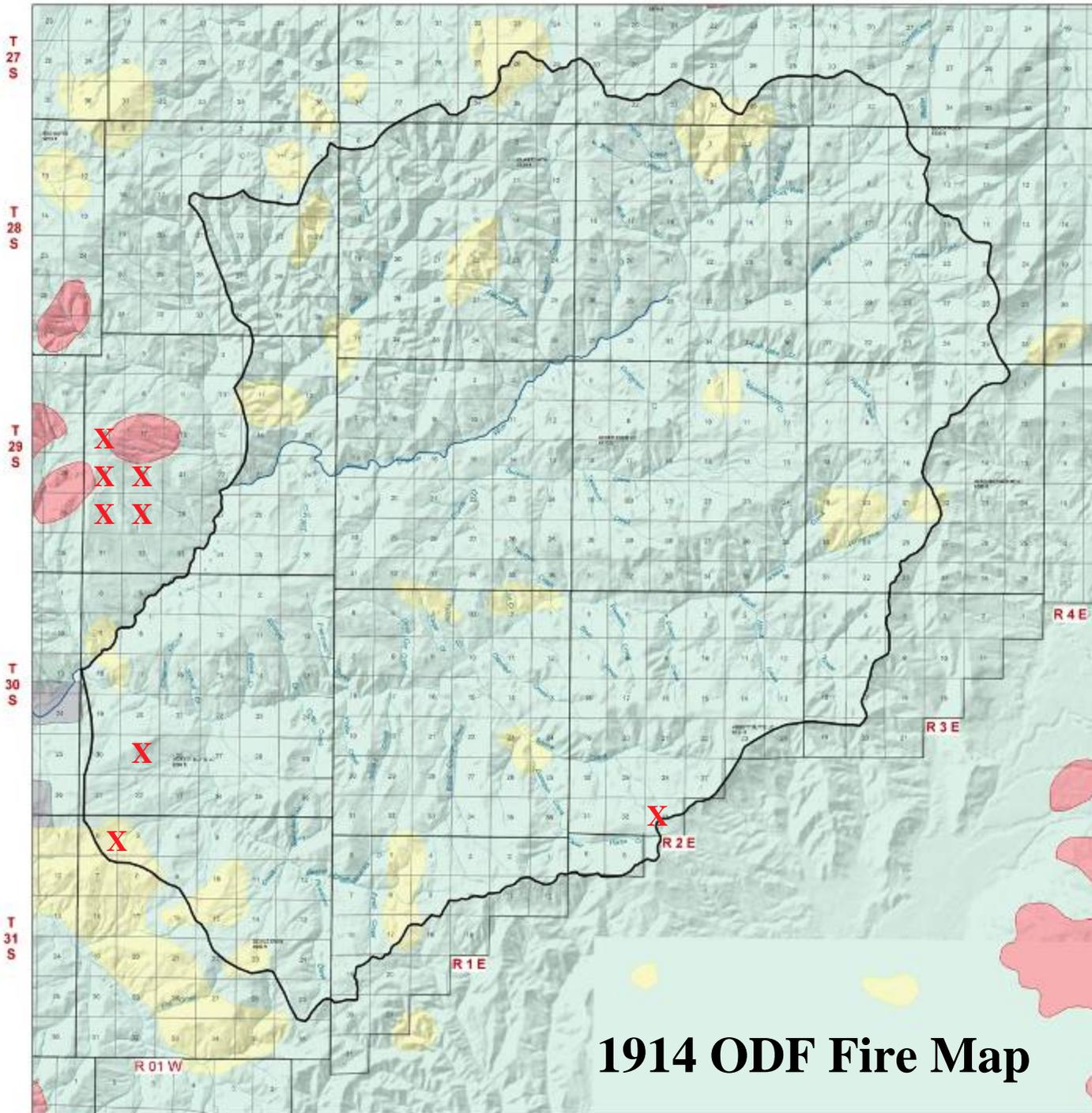
Excerpt from GLO "General Description, T. 29 S., R. 1 W.
Fred Mensch, U. S. Deputy Surveyor, 1902



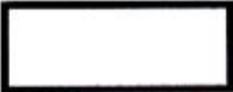
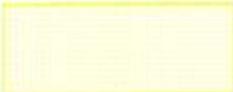
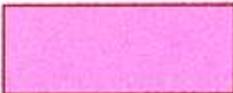
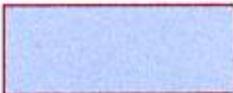
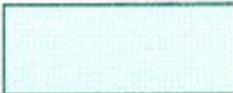
1900 USDI Forest Patterns

Legend

	Study_Area
X 	Timberless Area
	Woodland
	5,000-10,000 MBF/Ac
X 	10,000-25,000 MBF/Ac
X 	25,000-50,000 MBF/Ac
	Burnt



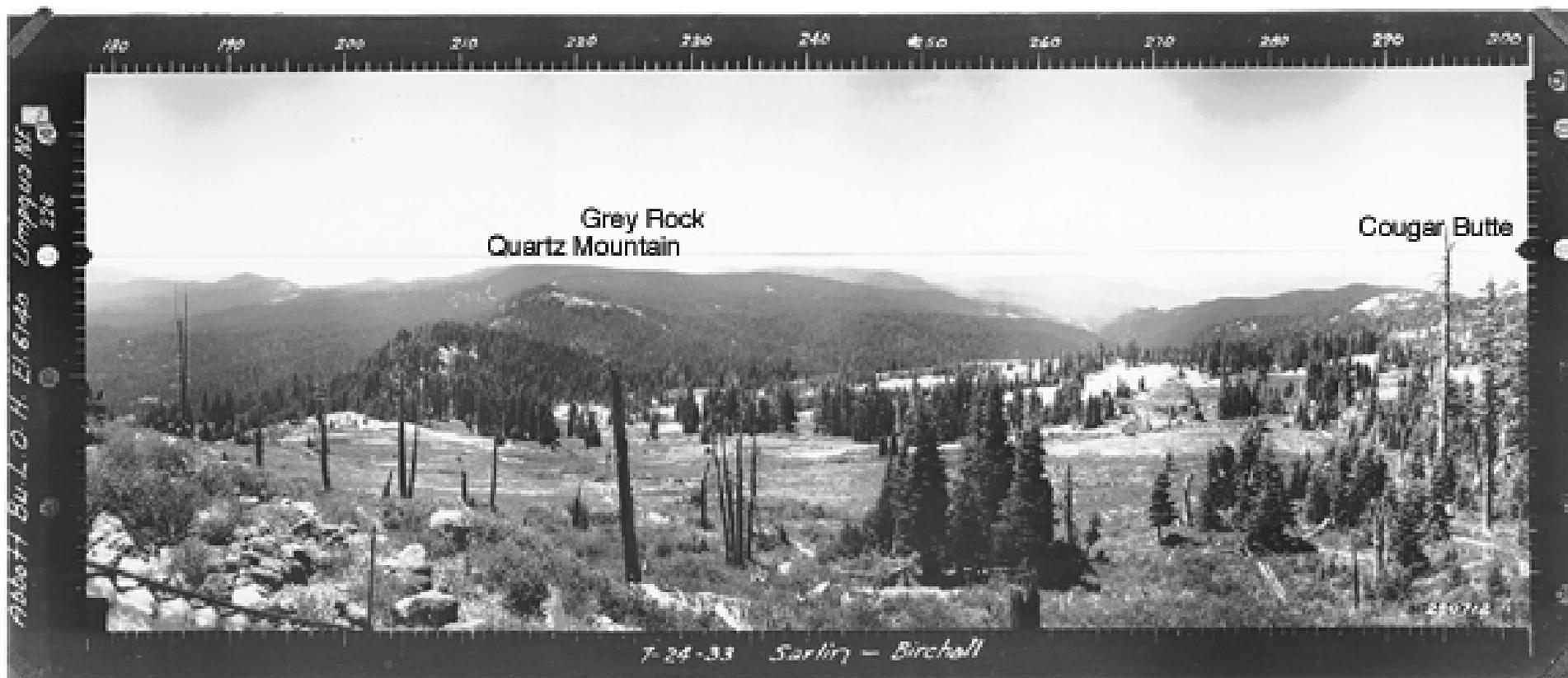
Legend for 1914 Veg

	Study_Area
	Brush
	Burned Areas not re-stock
X 	Burned Areas re-stocking
	Cut over area re-stocking
	Cutover Areas not restock
X 	Merchantable Timber
	Non-timber Areas

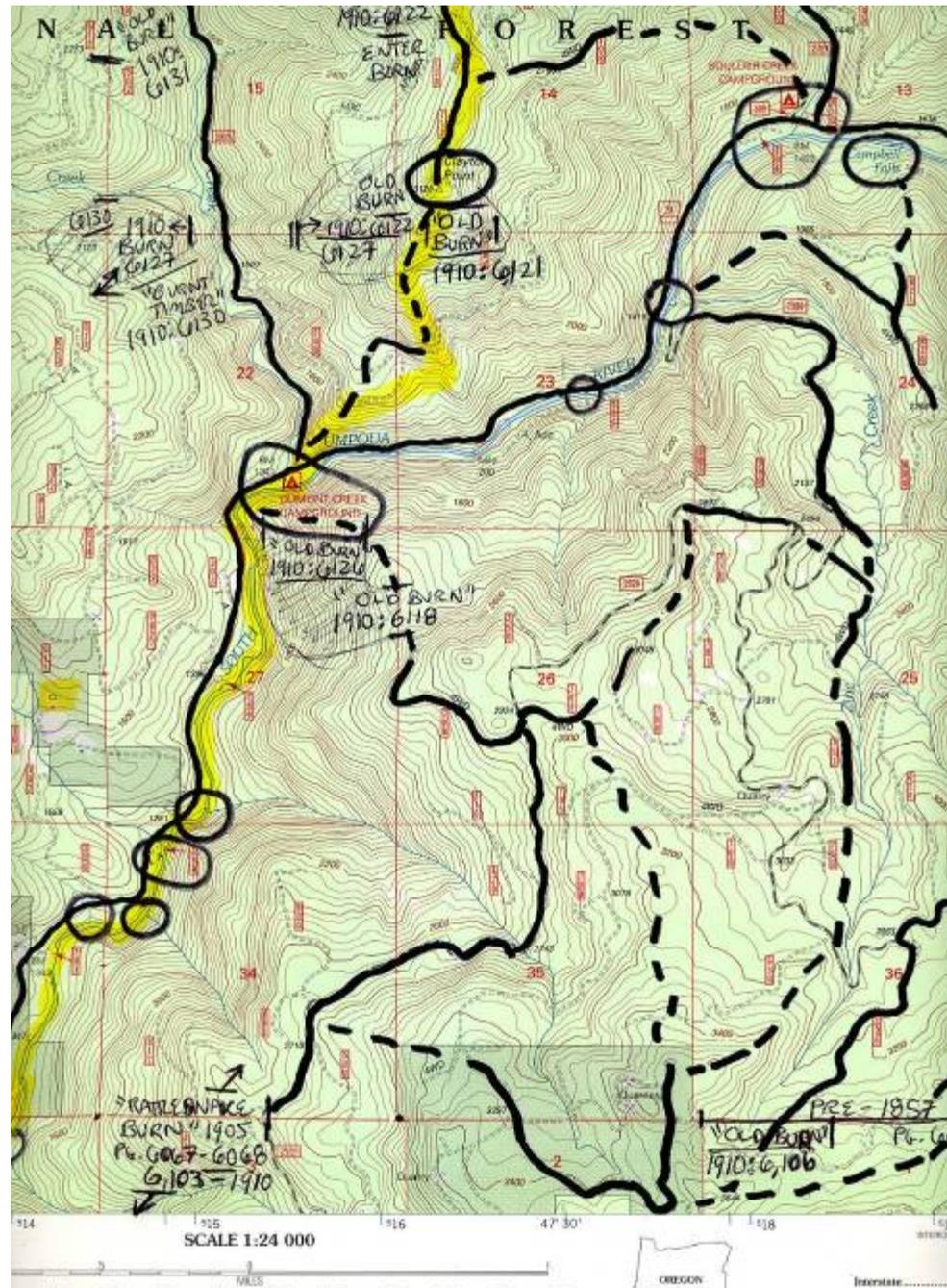
The grazing lands consist of glades scattered throughout the summit areas and higher slopes of the Umpqua-Rogue River divide. These glades are mostly due to forest fires burning off the timber. A small number of cattle occasionally stray up here from the lowlands of the Rogue River Valley in late summer. The summit of **Abbots Butte** and most of the high slopes of the divide east and north of this point are used for pasturing sheep.

-- John B. Leiberg, 1899

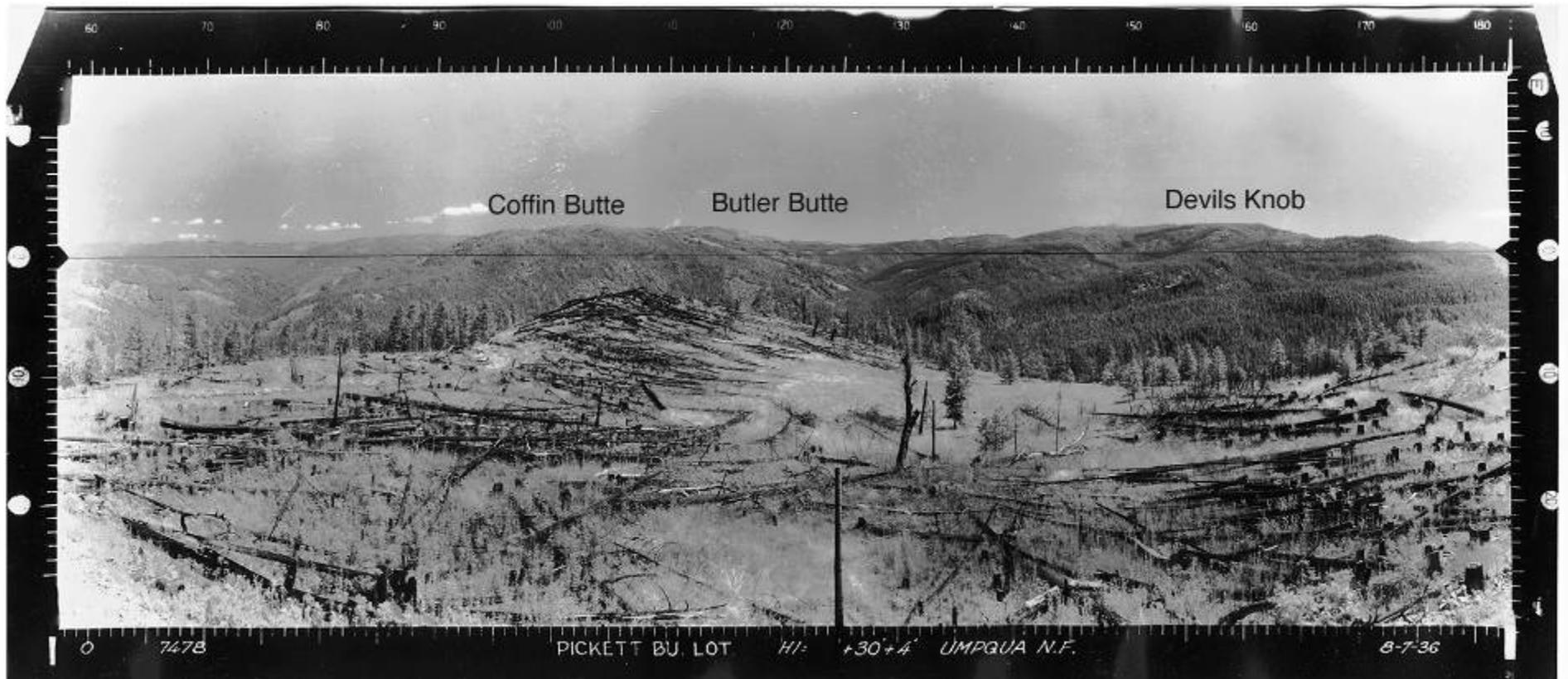
USDI Report to Congress: 1902: 310



Abbott Butte Lookout, July 24, 1933



1998 USGS "7 1/2-Minute Quad" Field Map



Pickett Butte Lookout, August 7, 1936

Osborne Photographs, 1933-1938
Pickett Butte Lookout, January 9, 2010



Pickett Butte Lookout, January 9, 2010



Pickett Butte Lookout, January 9, 2010





Old-Growth Vegetation Patterns



Culturally Modified Tree (C.M.T.)



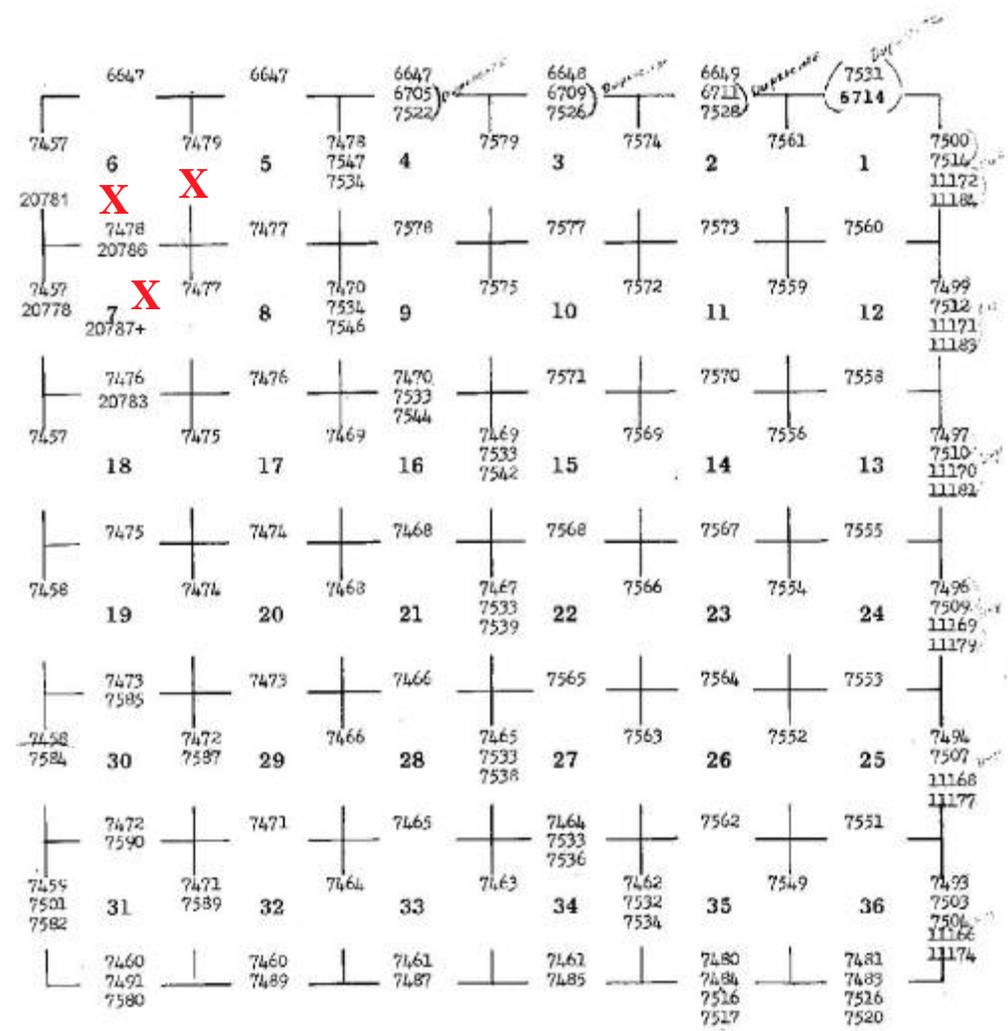
World's Tallest Sugar Pine



Tree Rings

County Surveyor's Record, Douglas County, Oregon

TOWNSHIP 31 SOUTH, RANGE 1 WEST, W. M.



EAST BOUNDARY
 NOTE: 7493 - 7516 and
 11166 - 11186 series are
 duplicate pages of 1902 Angell Cadastral survey

1925 GLO Index to Tsp. 31 S., Rng. 4 W. Survey Notes



Subdivisions of Fractional T. 31 S., R. 1. W.

CHAINS		
48.00	Leave openings and enter timber, course N. and S.	+ 50
56.00	Enter little prairie, course SE. and NE.	-100
58.00	Leave same, course SW. and NE.	
60.50	Enter another prairie, course SE. and NW.	
66.00	Leave same, course NW. and SW.	
79.02	To sec. cor.	- 50
	Land, hilly and about 1/2 openings; balance thick fir timber.	
	Soil, 2nd rate.	
	North, on random bet. secs. 5 and 6.	
	Va. 18°50' E.	
40.00	Set temp. 1/4 sec. post.	
78.67	Intersect N. bdy. 140 lks. W. of cor.	
	S. 1°W., on true line bet. secs. 5 and 6.	
3.50	Leave fir timber and enter openings.	level
35.02	Dry bed of creek, 5 lks. wide, course ESE.	- 50
38.67	Set 1/4 sec. post, from which	+ 10
	A pine, 12 ins. diam., bears S.80°W., 16 lks. dist.	
	A pine, 6 ins. diam., bears S.55°E., 43 lks. dist.	- 25
42.25	Dry bed of creek, 10 lks. wide, course ENE.	
59.00	Leave openings and enter fir timber, course NW. and SE.	+ 50
78.67	To sec. cor.	+ 50
	Land, about the same as last mile.	
	<p>This fractional township is very hilly. A large part is grassy, oak and pine openings adapted to grazing.</p> <p>Soil, 2nd and 3rd rate.</p> <p>The unsurveyed part of the township is very broken and mountainous and unfit for settlement or cultivation.</p>	

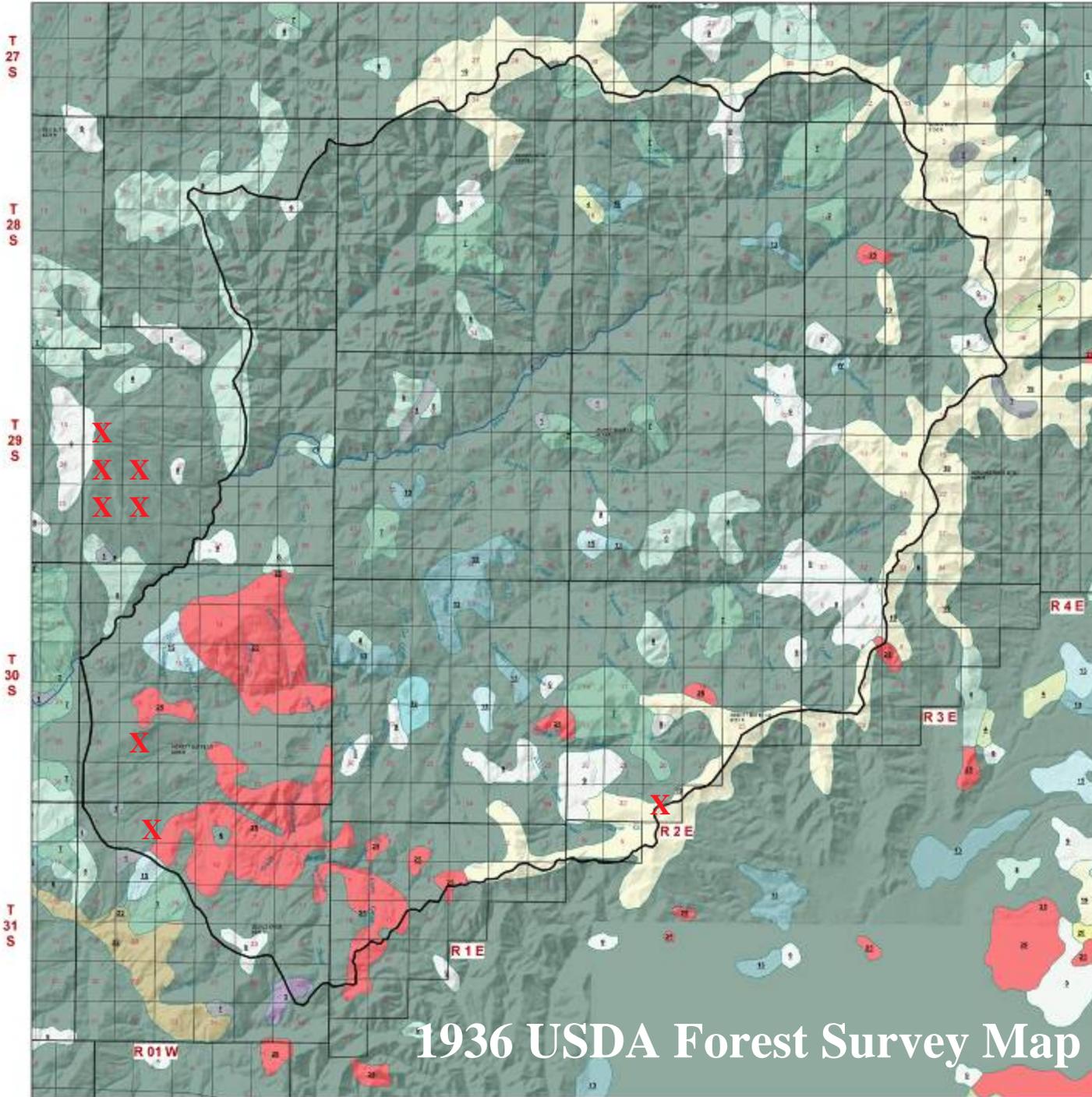
GLO Survey Notes -- Tsp. 31 S., Rng. 1 W., Dennis Hathorn, 1858



Tsp. 31 S., Rng. 1 W., Sec. 7 (500 Rd.), January 10, 2010



Tsp. 31 S., Rng. 1 W., Sec. 6 (500 Rd.), January 10, 2010



Legend Of Veg_1936

	Study Area
X 	Balsam Fir-Mtn Hem-Upper Slope Types, Large, 19
	Balsam Fir-Mtn Hem-Upper Slope Types, Small, 20
	Deforested Burns, 25
	Douglas Fir, Large Second Growth, 7
X 	Douglas Fir, Old Growth, 6
X 	Douglas Fir, Seedling-Sapling-Pole, 9
	Douglas Fir, Small Second Growth, 8
	Hardwood, Oak-Madrone, 22
	Lodgepole Pine, 4
	Non-Forest, 1
	Ponderosa Pine, Large, 13
	Ponderosa Pine, Seedling-Sapling-Pole, 16
X 	Ponderosa Pine, Small, 15
	Subalpine and Non-commercial, 3
	Water

Precontact? 1800? *1750?*

Method of Multiple Hypotheses.

(“Weight of the Evidence.”)

Triangulation.

G.I.S.

Oregon Websites and Watersheds Project, Inc.



www.ORWW.org

Internet Communications