Roseburg





COAST REDWOOD

November 14, 2026





Roseburg Resources Redwoods

- First redwood plantation planted near Reedsport in 1980
- First redwood cultivars (tissue culture/vegetative propagation) planted in 2006
- 16 different cultivars from Green Diamond and Sequoia Orchids plus 25% from seed from PRT and Kintigh, spread out over 60 miles
- 1,814 acres of plantations, currently planting 200 acres per year – 10MMBF/yr



Roseburg Deployment Strategy

- 5-18 miles from the Pacific, <1,000 elev
- Moderate to gentle slopes
- Avoid heavy Blackberry and Scotch Broom sites (limited to hand treatment)
- Avoid historic Bear damage areas



REDWOOD ADVANTAGES

- Fast growth rates – 40-50mbf/ac @ 30 year
- Disease resistance – Swiss Needle Cast & Root rot
- Browse resistance
- High log prices - Typically $200-$300/MBF over DF
- Coppice regeneration – No planting or spraying after harvest
- Climate Change – Hotter valleys, more fog on the coast?
- Sequester carbon at higher rate than other conifers



REDWOOD DISADVANTAGES

- High haul cost
- Limited markets, similar to Redcedar
- Bear damage potential (south of Bandon/north of Alsea?)
- Limited seed supply
- High seedling cost – Cultivars cost $1.25/tree more than conventional seedling.
- Limited herbicide use
- Cold tolerance



REDWOOD MANAGEMENT

Submit plan for Alternative Reforestation to ODF

Site prep: Glyphosate, Oust®, Escort®, and Cleantraxx® (Imazapyr if needed)

Planting: Currently planting 275-300 tpa ($2.10/tree for Plantlings)

All pure, no mixed species

First year herb: Clopyralid with Cleantraxx® or Esplanade F® all safe. With wide spacing, Spot spraying a good option





Redwood Coppicing

Quick Reforestation – No spraying or planting needed.

Pre-Commercial Thin will be needed at 7-8 years.

Sprouts were harvested and sent to Sequoia Orchids for cultivar production and are in the Coop testing pool.

CASE STUDIES

1. 2018 Harvest unit near Bandon
2. 47 year-old Stand near Reedsport
3. 28 year-old Woods run Stand near Reedsport

Bandon 2018 Harvest

- 38 year-old Redwood plantation
- 152MBF Hauled to Brookings

	REDWOOD $/MBF	DOUG-FIR $/MBF
Delivered $ to Brookings	$ 1,135	$ 850
OBT	$ 186	$ 186
Haul	$ 125	$ 67
Stumpage	**$ 824**	**$ 597**



GARDINER STAND

SPP	AGE	TPA	Diam	HT	RD	GROSS BF/AC	NET BF/AC	ANNUAL BF/YR
RW	47	253	20.5	120	151	102,273	85,103	3,170
DF	47	242	14.4	105	83	42,3493	38,961	2,028

	RW $/MBF	DF $/MBF
Delivered $ to Brookings	$ 850	$ 850
Logging	$ 128	$ 192
Haul	$ 290	$ 94
Stumpage	**$ 432**	**$ 564**
Age 47 per acre value	**$ 36,760**	**$21,940**

TAHKENITCH LAKE STAND

AGE	TPA	QMD	HT	RD	GROSS BF/AC	NET BF/AC	ANNUAL BF/YR
RW 28	451	15.0	89	143	57,755	49,174	2,446

	$/MBF
Delivered $ to Brookings	$ 850
Log	$ 167
Haul	$ 175
Stumpage	**$ 508**

Age 28 per acre value **$24,978**

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Additional items not presented

Assisted Migration -After redwoods receded after the Ice Age, the climate in Oregon has become much more favorable for redwood. However, it's ability to move north is difficult when the tree mostly regenerates by coppicing. Most environmental groups have accepted the "Assist" since humans may have caused the increase in change.

Redwood Tree Improvement Coop – Several companies in CA, WA, OR and New Zealand are testing 600-800 different families for multiple performance qualities. 9 out of the 27 members are Oregon companies. Currently 3 test sites in Oregon: Coos, Western Douglas and Tillamook Counties.

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