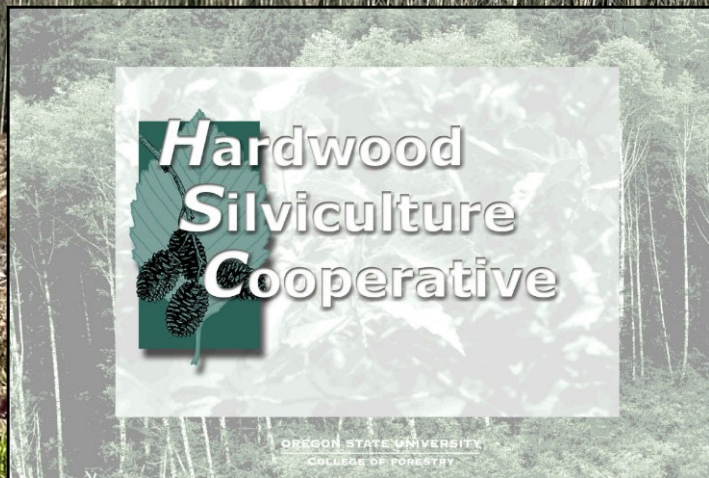


Red Alder: Gains from Management

**Glenn Ahrens, OSU Extension Forester
Director, OSU Hardwood Silviculture Cooperative**



My Background

- **Ecology and Management of Hardwoods, specialty area since 1984.**
- **Research, Extension & Consulting**



Oregon State University
Extension Service



Gains from Management

Sawtimber yields and economic return can be greatly improved with management of most tree species.

With alder, management is often needed to make the difference between good versus poor results.







**Well-spaced and well-distributed trees
make the difference**

Red alder management

- **Site assessment and site selection**
- **Site preparation and regeneration**
- **Stand management— control spacing and stand density.**

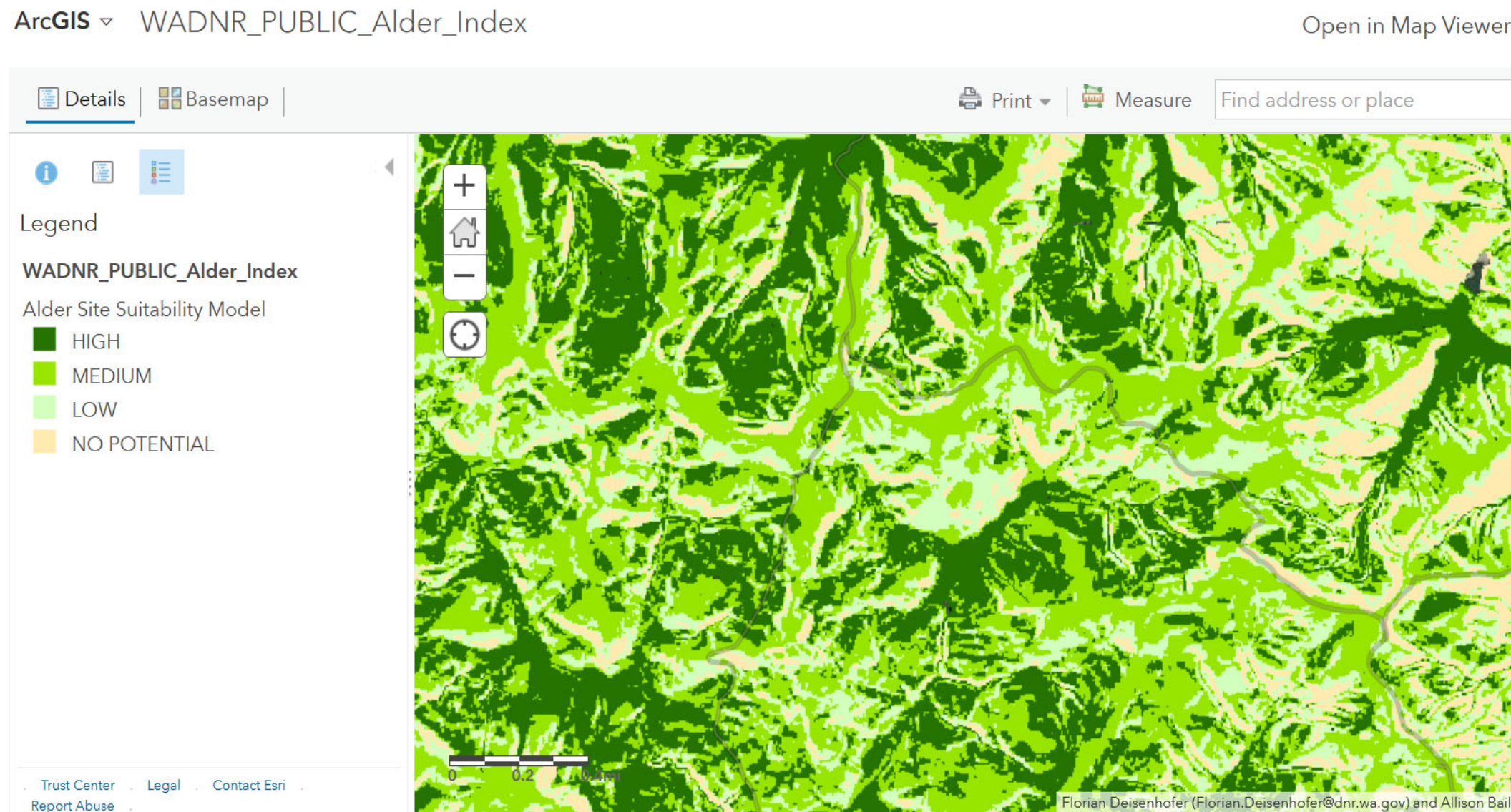
Selecting Suitable Sites for Alder

Red alder occupies sites with a range of physical properties but best growth achieved on moist but well-drained upland or alluvial sites.

- Moist but not swampy
- Avoid heavy frost pockets
- Avoid summer drought and heat stress
- Avoid direct coastal winds



Selecting suitable sites is the key - and the challenge.



Site Index and Site Evaluation Guides

WA DNR Alder Site Selection Tool

<https://data-wadnr.opendata.arcgis.com/maps/wadnr::wadnr-public-alder-index/explore>

ArcGIS ▾ WADNR_PUBLIC_Alder_Index

[Open in Map Viewer](#)

Details | Basemap

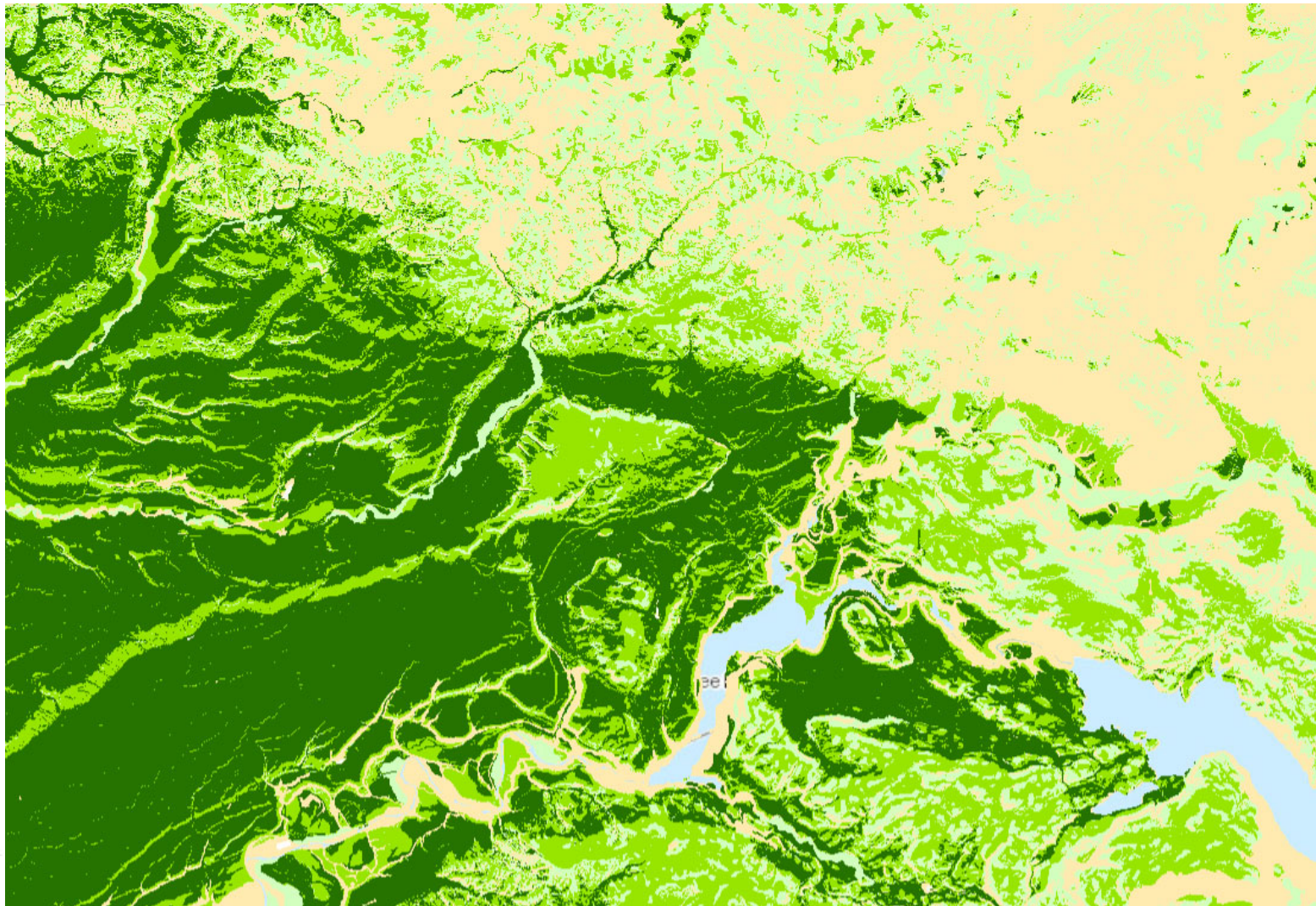


Legend

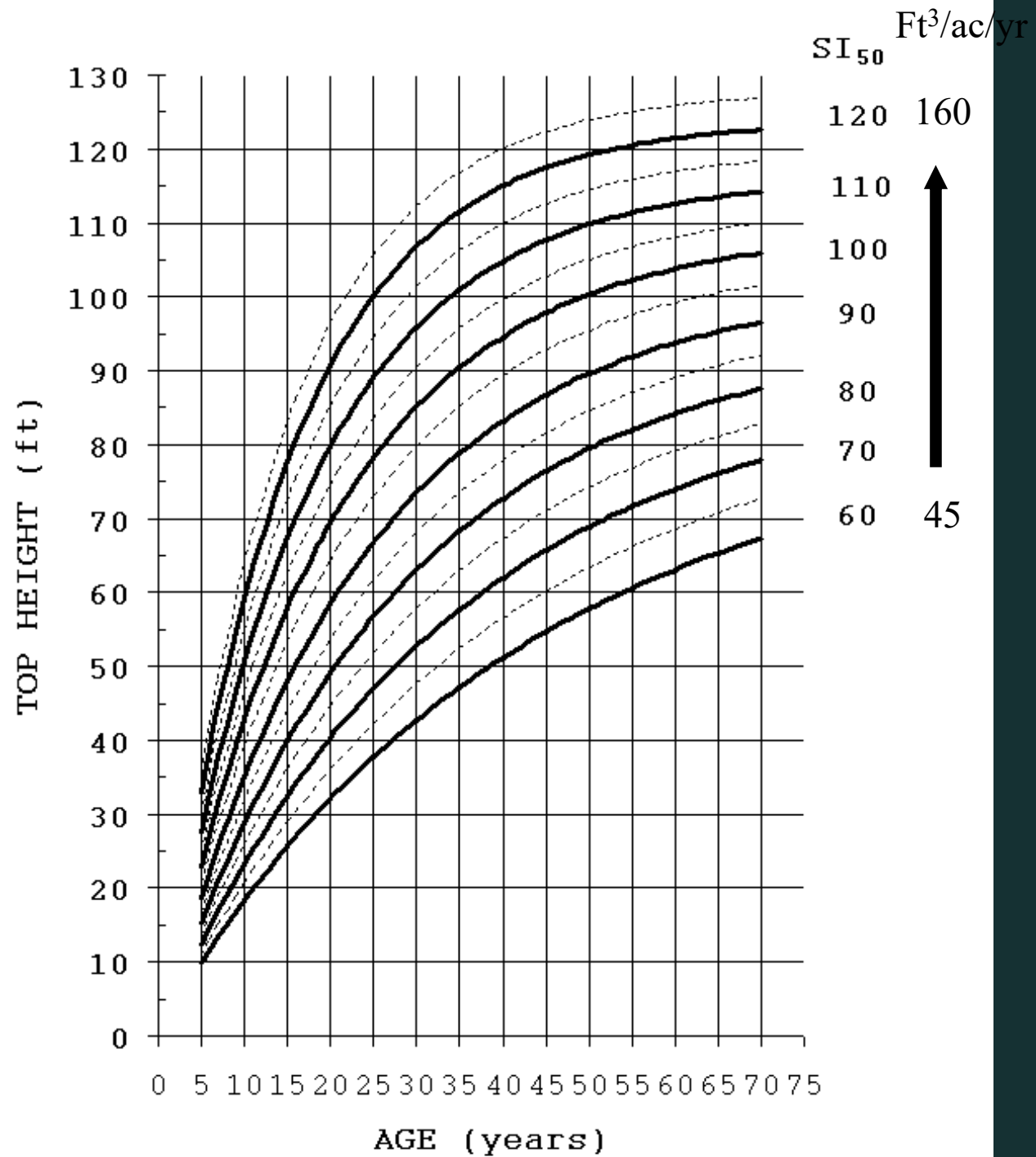
WADNR_PUBLIC_Alder_Index

Alder Site Suitability Model

-  HIGH
-  MEDIUM
-  LOW
-  NO POTENTIAL



RED ALDER
site index





Guidance and Resources for Alder Management

- **Use site evaluation tools – WADNR alder site selection tool + **Site Index sample trees.****
- **“Red alder plantation establishment” reference by A. Dobkowski.**
- **HSC Red alder management guide.**
- **Red alder growth and yield estimation tools – yield tables.**

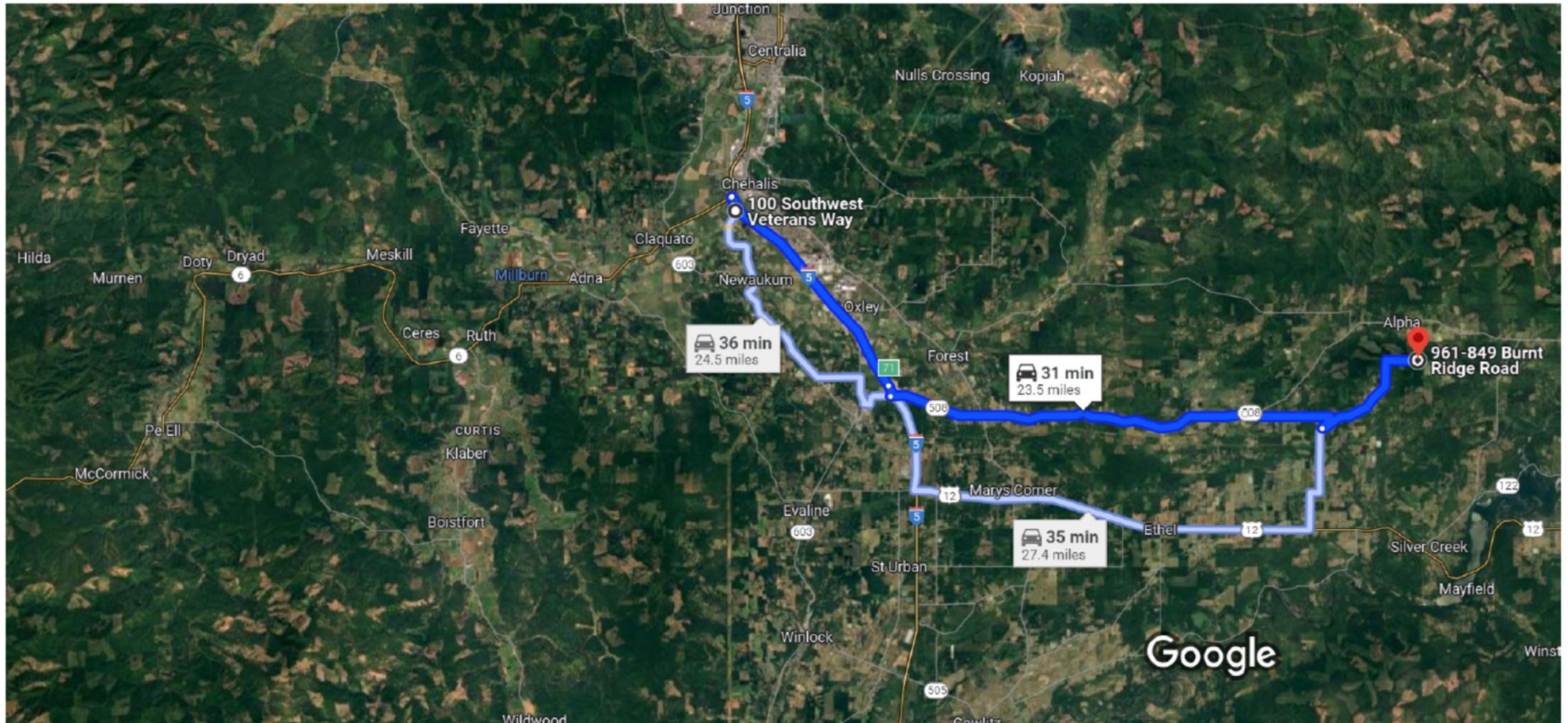
5/30/24, 10:01 AM

100 SW Veterans Way, Chehalis, WA 98532 to 961-849 Burnt Ridge Rd, Onalaska, WA 98570 - Google Maps



100 SW Veterans Way, Chehalis, WA 98532 to 961-849 Burnt Ridge Rd, Onalaska, WA 98570

Drive 23.5 miles, 31 min



Imagery ©2024 TerraMetrics, Map data ©2024 Google 2 mi



Burnt Ridge Rd

Burnt Ridge Rd

Burnt Ridge Rd

Burnt Ridge Rd

Magnus Rd

Burnt Ridge Rd

Burnt Ridge Rd

Good

Trail

Park Along Road

Additional Parking

For more information on Alder Management

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