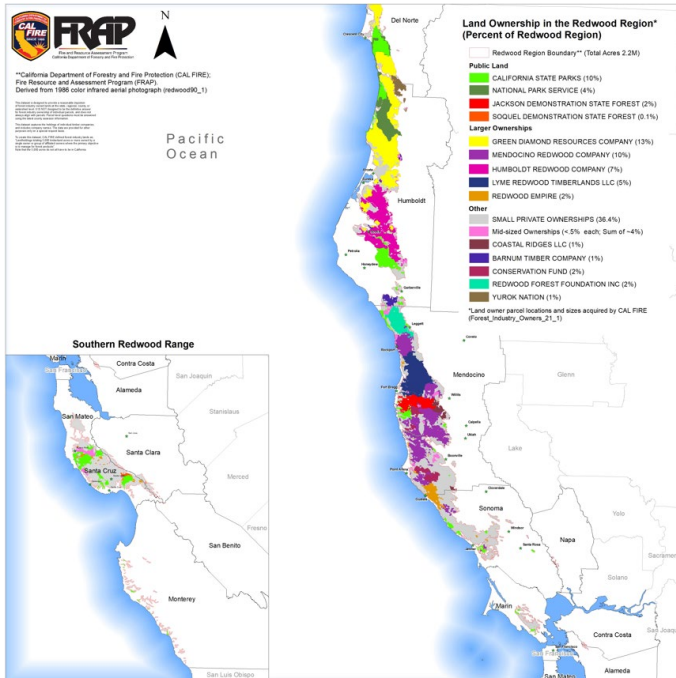


JACKSON DEMONSTRATION STATE FOREST'S ROLE IN CLIMATE CHANGE WITHIN THE REDWOOD REGION

In these times of more awareness to climate change and more impactful wildfires, there are questions about how to best manage the forests of California to be resilient to changes, capture and store more carbon, and maintain ecosystem function when disturbances do occur. To make an effective difference in climate change and make the entire state resilient to wildfire,

all landowners need to be working together; this is not something one or two landowners can achieve by themselves. One of JDSF's primary missions is to be a demonstration to the Redwood Region on how to be a working, multi-use forest, that sustainably harvests high-quality timber products, while managing for other goals. The map to the left illustrates the land ownership and economic context of the Redwood Region:



- Small landowners ~36%
- Mid-sized landowners ~11%
- Larger landowners ~37%
- Publicly Owned Land ~16%

Carbon and wildfire resiliency are compatible within the existing JDSF Forest Management Plan, which took into consideration state policies, laws, landscape planning, as well as public input in its creation. JDSF works to maintain equilibrium between resource values and demonstrations relevant to a range of stakeholders by emphasizing specific goals and forest structure:

Older Forest Structure Zone

This zone makes up 35% of JDSF. It links JDSF's Old Growth Groves and creates an older forest corridor across JDSF.

Stakeholder:

- Small to mid-sized landowners
- Public interested in restoration and aesthetics

Manages for:

- characteristics that support older forests:
 - larger trees
 - improved wildlife habitat
- Easily demonstrates long-term carbon storage and how to maintain stored carbon in older forests in the face of a wildfire.

Matrix

This zone makes up 50% of JDSF.

Stakeholder:

- Mid-sized to larger landowners
- Public interested in economic resource protection

Manages for:

- Predominately partial harvests (selection) but also demonstrates a range of forest structures that are regionally relevant.
- Timber production with longer rotation ages.
- Easily demonstrates rapid carbon sequestration and how to manage working lands to decrease the impacts from wildfire.

JDSF is well poised to be the example for the rest of the Region. Harnessing the carbon sequestration and storage potential of redwood forests is dependent on solutions relevant to the 84% of the land that is privately owned. JDSF, about 2% of the Region, can research, educate, and demonstrate the potential for redwood forests to mitigate and adapt to climate change. The knowledge gained as a Demonstration Forest will have greater value to current and future generations in Mendocino County, the Redwood Region, and California as a whole, than being placed in preserve status.

Blown up version of the map above

