

# Redwood National and State Parks



## Redwood Burl Poaching and Sudden Oak Death Disease



**Leonel Arguello, Supervisory Botanist,  
Resource Management and Science, RNSP**

# Redwood National and State Parks



In 1850, 2,000,000 acres of old-growth redwood forest ran the length of the California coast from the Oregon border to south of Monterey Bay.

Today, less than 100,000 acres, or 5% of that original old-growth forest remains.

38,982 acres of remaining old-growth redwood forest is found within RNSP.



# Redwood National and State Parks



## Redwood National and State Parks

- Redwood National Park, est 1968 and enlarged in 1978
- Prairie Creek Redwoods State Park, est 1923
- Del Norte Coast Redwoods State Park, est 1925
- Jedediah Smith Redwoods State Park, est 1928
- Designated World Heritage Site (1980) and International Biosphere Reserve (1983)

# Redwood National and State Parks



## Headlines!!

### Redwood park closes road to deter burl poachers

By JEFF BARNARD March 5, 2014 12:12 PM

### NorCal redwood trees killed by burl poachers

UPDATED 7:15 PM PDT May 08, 2014

Read more: <http://www.ksbw.com/NorCal-redwood-trees-killed-by-burl-poachers/25888510#ixzz3lhdk8S4>

### Rise in burl poaching threatens Redwood forest

PBS NEWSHOUR, BY [RUTH TAM](#) May 8, 2014 at 4:18 PM EST

### Redwood burl poaching spreads from national park to national forests

#### [Galactic Connection](#)

UFO | Ascension | Conspiracy | Spirituality

# Redwood National and State Parks



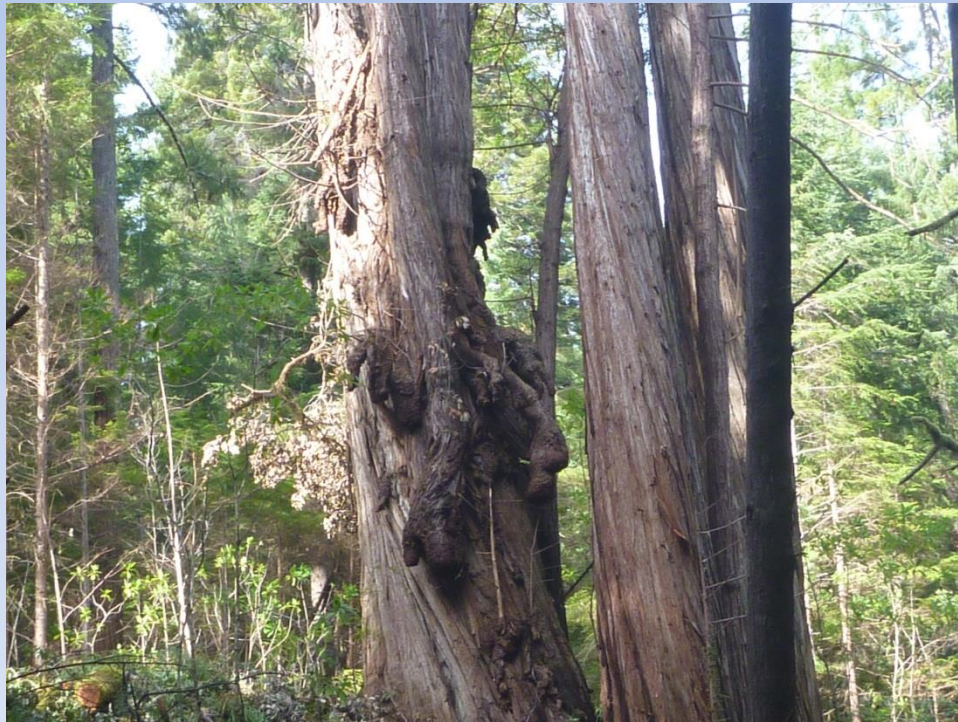
## Redwood Reproduction



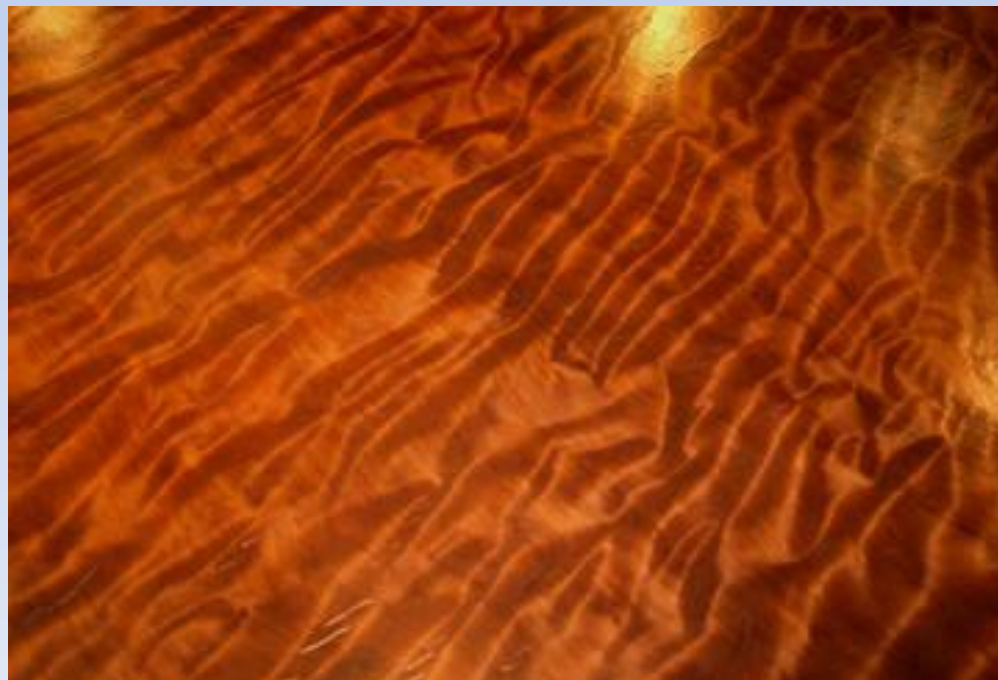
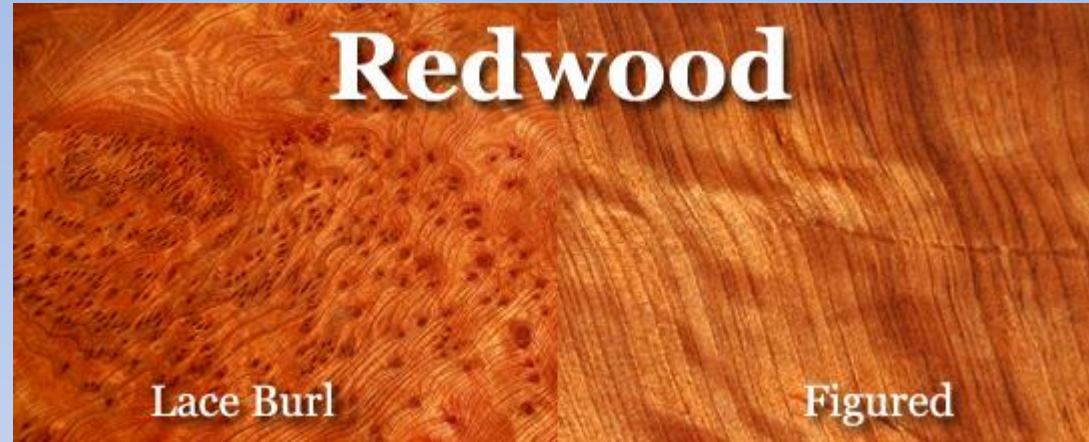
# Redwood National and State Parks



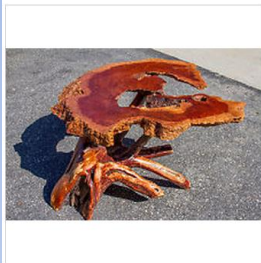
**Burls (above ground) –  
Deformed growth of woody tissue, usually resulting from injury, stress, or pathogen.  
Dormant buds occur within burls**



# Redwood National and State Parks



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Handmade Live-edge Redwood Burl Coffee Table

**\$2,500.00**

Buy It Now

**\$1,000.00**

0 bids

This live-edge redwood burl coffee table is handcrafted personally by me, Tracy, of Wilson's Woodworking, here in Northern California. The top is a highly figured slab of old-growth redwood burl and t...



Rare Old Growth Redwood Lace Burl Coffee Table 5 foot handmade living room

**\$3,250.00**

Buy It Now  
or Best Offer

🔥 25 watching

This very rare old growth beautiful Redwood lace burl coffee table is made with old growth Redwood, one of the most desired burl woods in the world. It has amazing burl wood grain, and color, it is fr...



Massive mid century Redwood Root Burl coffee table 3 freeform glass shelves

stunning piece of 1950's nature's art one of a kind

**\$2,750.00**

Buy It Now

Gorgeous one of a kind coffee or display table made of old stock Redwood Root; 25 square feet of awesomeness!



SL-106 43" Round x 3" Thick \$1050 Round Redwood Slab

Straight Grain	\$10 per board foot
Curly Wood	\$15per board foot
Birdseye	\$25 per board foot
Lace Burl	\$35 per board foot



# Redwood National and State Parks



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December 2012



# Redwood National and State Parks



May 2013



# Redwood National and State Parks



August 2013



# Redwood National and State Parks



September 2013



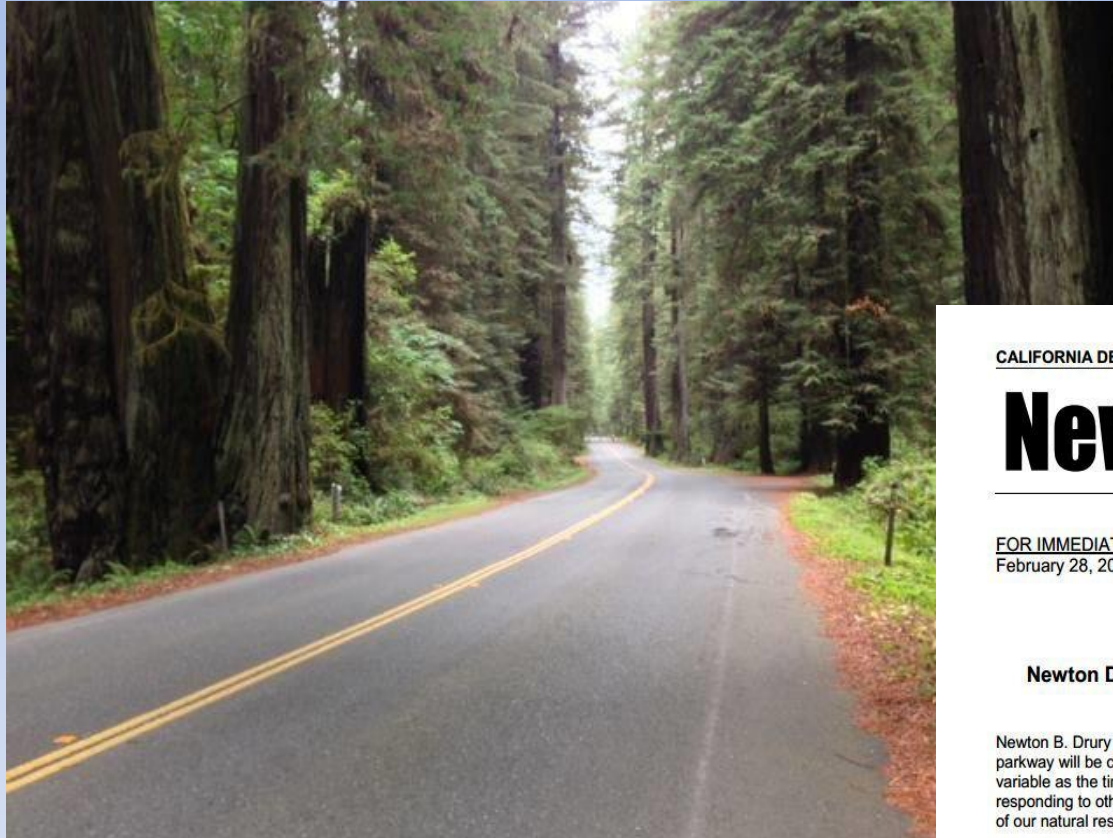
# Redwood National and State Parks



February 2014



# Redwood National and State Parks



CALIFORNIA DEPARTMENT OF PARKS AND RECREATION

## News Release



FOR IMMEDIATE RELEASE  
February 28, 2014

Contact: Jeff Bomke,  
Sector Manager  
(707) 465-7332

### **Newton Drury Parkway will be Closed at Night Due to Increased Wood Poaching**

Newton B. Drury Parkway will be closed on a nightly basis starting Saturday, March 1, 2014. The parkway will be closed each day at sunset and reopened at sunrise. The hours of closure will be variable as the time of sunset and sunrise changes. Closure hours may also be impacted if staff is responding to other emergencies. Patrols will also be increased during this time to ensure the protection of our natural resources.

This closure is in response to a significant increase in wood poaching crimes occurring along the parkway. These crimes usually involve cutting burl and bunion growths from both standing and fallen old-growth redwood trees. The wood is then sold for construction materials, ornamental furniture, and souvenirs. This type of wood is becoming increasingly rare and the most plentiful supply is often found on park lands.

Much of the illegal poaching occurs at night. The closure is a proactive step toward preserving our State's priceless natural resources.

The parkway will remain open as usual during the daylight hours.

Access to Elk Prairie Campground in Prairie Creek Redwoods State Park is still available both night and day by taking the Newton B. Drury Parkway exit (Exit 753) off of Highway 101.

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July 2014





# Redwood National and State Parks



Aesthetic  
Qualities

## IMPACTS



Structural integrity



Increased risk  
of disease



Canopy  
dieback

# Redwood National and State Parks



Since March 1<sup>st</sup>...



The New York Times



Le Monde

The Weather Channel



Los Angeles Times

San Francisco Chronicle  
NORTHERN CALIFORNIA'S LARGEST NEWSPAPER

# Redwood National and State Parks



## Important points:

- **There are few legitimate sources of redwood burl on private land. The parks, however, have no desire to interfere with legitimate businesses.**
- **Virtually the only source of old-growth redwood burl exists in protected areas, i.e. state or national parks.**
- **There are no regulations currently in place requiring a burl seller to disclose or certify where they obtained redwood burl.**
- **Consumers need to question sellers about where they obtain their burl. If they can't give a satisfactory answer, don't buy it.**

# Redwood National and State Parks



## Contacts:

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# Redwood National and State Parks



## Postscript:

### **2 convicted in burl poaching case**

By [The Associated Press](#) June 14, 2014 03:01 pm

They were convicted with time served and released. They are not allowed in the park for the next five years.

**Redwood National and State Parks**

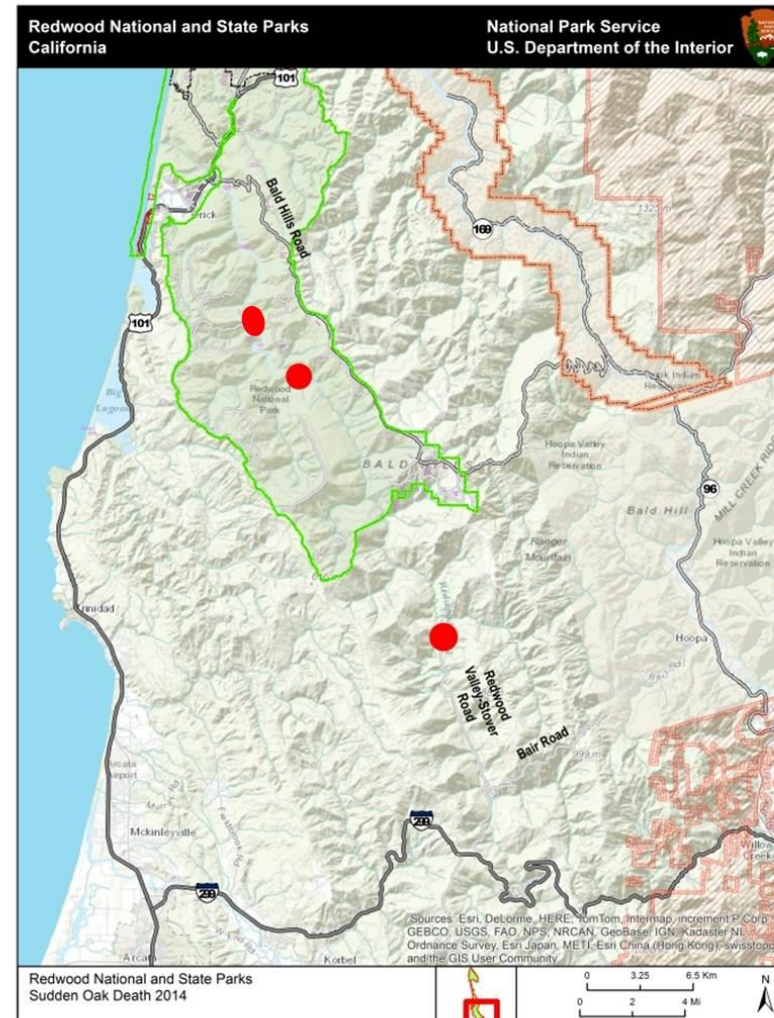


# **Sudden Oak Death**

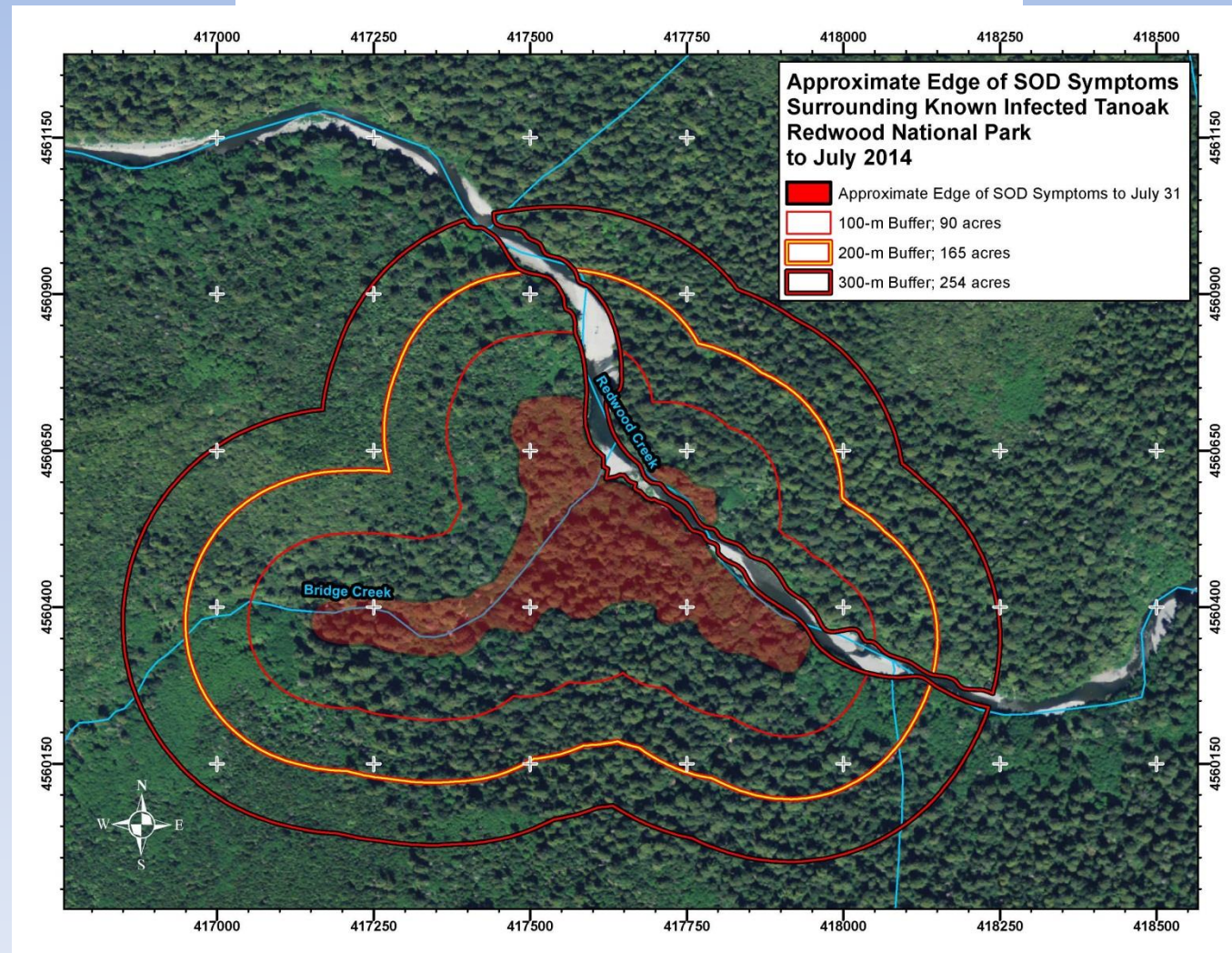
# Redwood National and State Parks



SOD:  
Discovered in RNSP 2014  
July and September  
Two Separate Locations



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## How did it get here?



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- **Most abundant hardwood in the Park**
- **Prolific acorn producer: up to 1000 lbs/tree/year!**
- **Cultural significance**
- **High nutritional content in foliage and acorns**
- **Many fungal associates providing ecosystem services**
- **A native tree with a significant role in providing habitat for a variety of fauna and flora**



## SOD Management Goal at RNSP

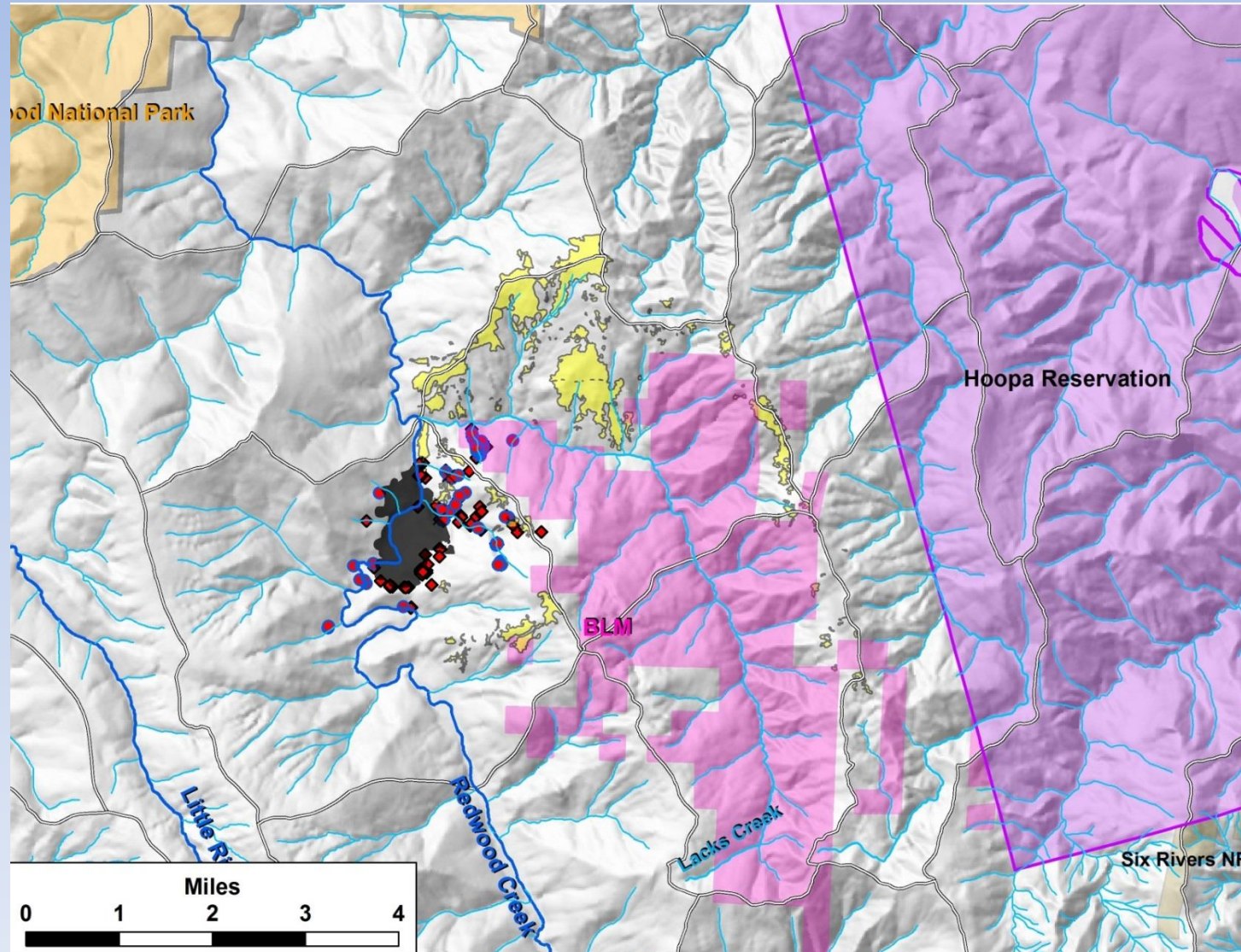
Maintain tanoak as a vital component  
of the park's forested landscape



## Why is Redwood Creek Important?

- Del Norte County is disease free
- Proximity to Hoopa and Yurok Reservations
- Only 10% of the at risk habitat in CA is infested, 2.5% of Humboldt County
- If we do nothing, disease expansion will be significant

# Redwood National and State Parks



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## Redwood Valley Partners

- CAL FIRE
- Natural Resource Conservation Service (NRCS)
- USDA Forest Service State and Private
- American Recovery and Reinvestment Act
- Cookson Ranch Foundation and 19 adjacent landowners
- Able Forestry
- Sargent and Sons Excavation and Logging
- DG Power for biomass disposal

In kind support from Hoopa Tribal Forestry, Redwood National and State Parks, Bureau of Land Management, Green Diamond Resource Co.



## Treatment Options

- Establish core infestation area (CIA)
- Create a delineated management zone (DMZ)
  - Currently the CIA plus a 100 meter buffer
- Manage disease infestation within core and consider treatments in the buffer zone
  - Inject Bay and Tanoak Trees with Herbicides
  - Fall Trees after September 15
  - Treat fuels, pile burn or chipping near public use trails or roads
  - Continue monitoring sites up to 400 m from DMZ.
- Support development of localized spread models to reduce stand level impacts in buffer areas, i.e. management feedback and adaptation









## FY15 Plans

- Treat Bond/44 Ck zones with herbicides followed by felling of trees if ready
- Continue early detection monitoring of both SOD sites up to 400 m away from CMZ and within other park areas.
- Develop parkwide EA for programmatic level environmental analysis of SOD management.