



# Private Forest Supply: Where is it and what do the owners do with it?

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at the

**WOODY BIOMASS UTILIZATION WORKSHOP  
MAY 25 & 26th, 2010**

Quincy, CA







# UC Landowner Survey Results: Who gives them advice?

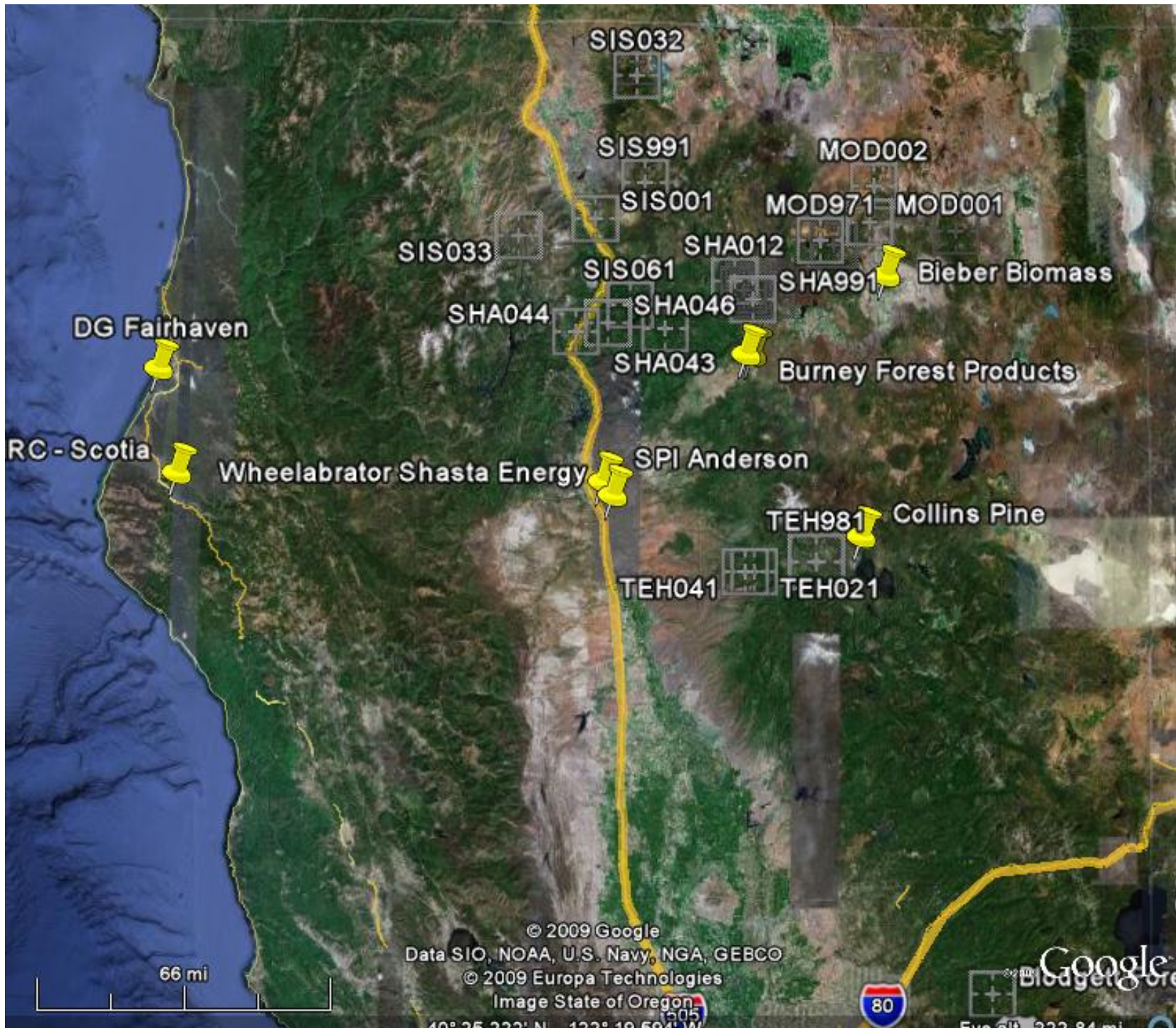
	<50 ac	>50ac
❖ Land Trusts	?	?
❖ UC Cooperative Extension	?	?
❖ Private Foresters	?	?
❖ Calfire	?	?
❖ Developers	?	?

# UC Landowner Survey Results

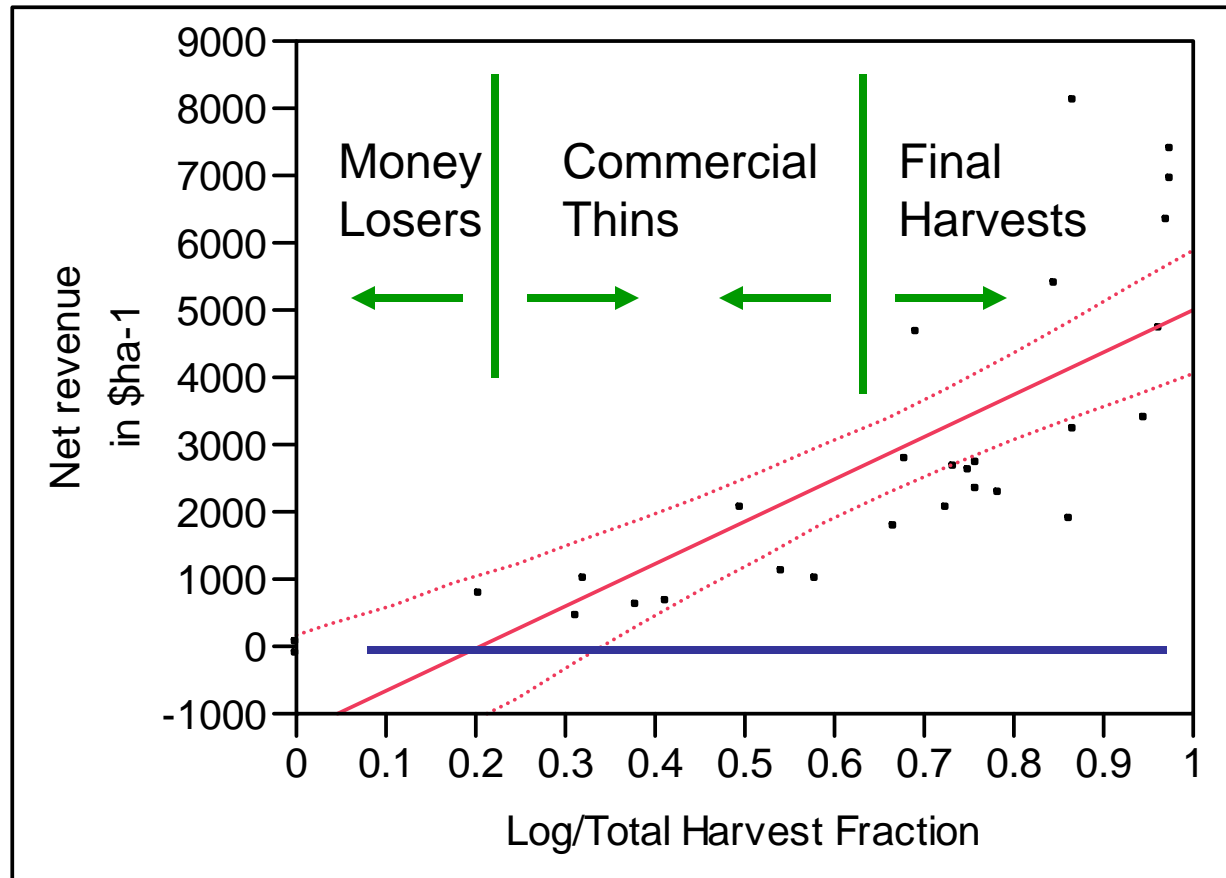
## Landowner Contacts

	<50 ac	>50 ac
❖ Land Trusts	8%	21%
❖ UC Cooperative Extension	13%	31%
❖ Private Foresters	13%	42%
❖ Calfire	28%	50%
❖ Developers	24%	53%

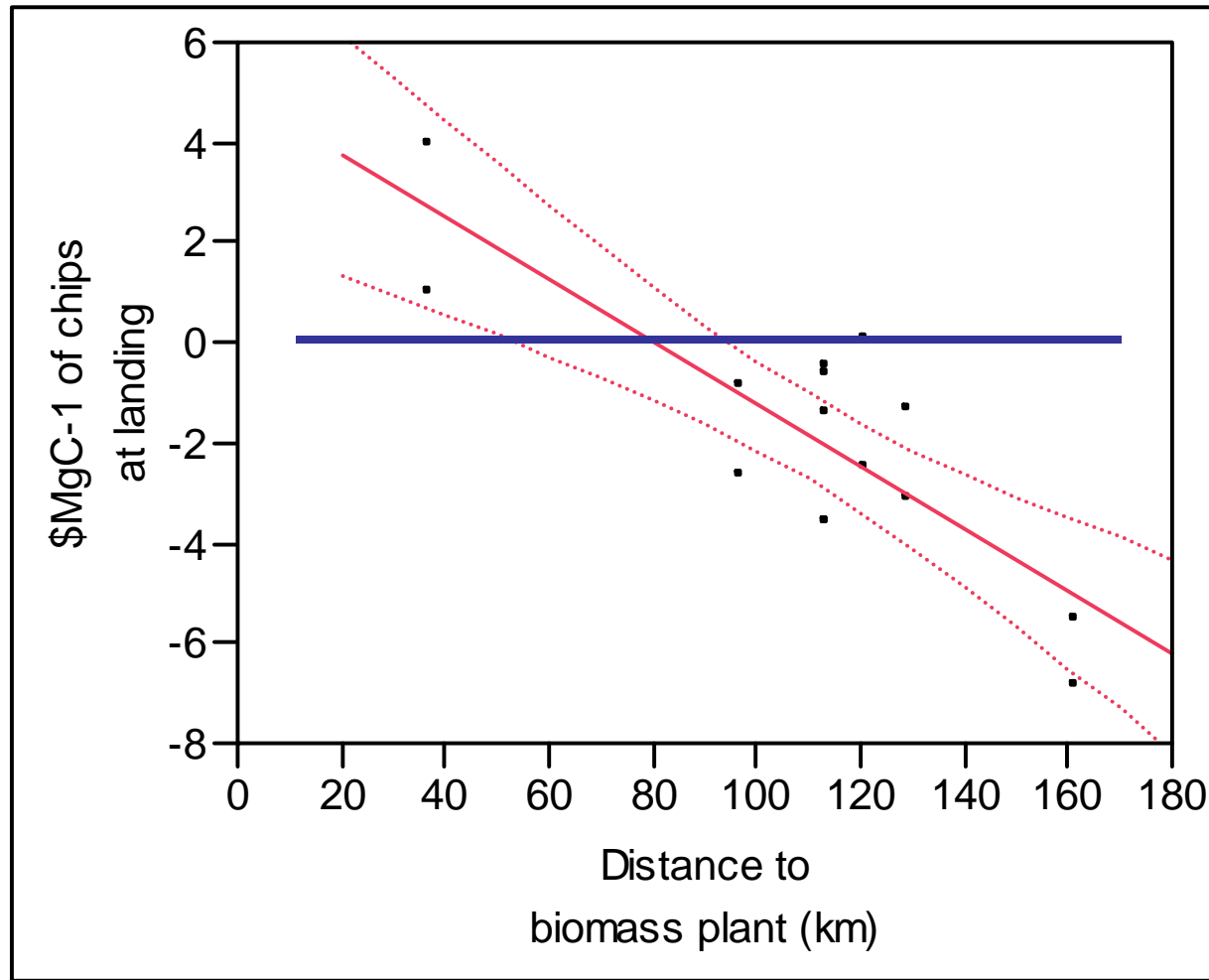
- ❖ Moral: Real estate conversion is the #1 message delivered to medium and large landowners with forest parcels. Urban California speaks to rural California through developers. But forest residues are a viable approach for LCFS. 67% of forest landowners want to leave their property to their children and that 61% of 50+ acre owners (16% of < 50 acre owners) use their forests to produce revenue.



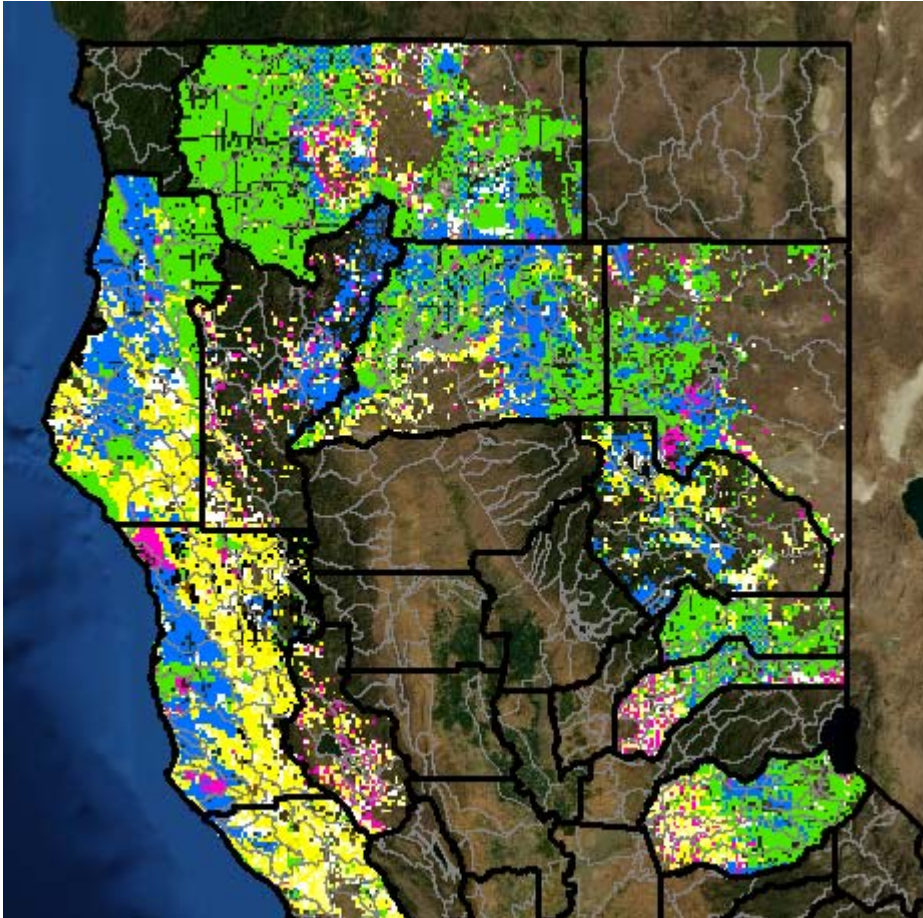
# Three Ways to Produce Forest Biomass in the Woods (Sawlogs also generate biomass in the sawmill)



Many operators lose money hauling harvest residue chips to biomass plants



To improve its outreach to resident and non-resident family forest owners, UC Cooperative Extension needs to know who owns forest land where they are



We are combining

County Assessors Records

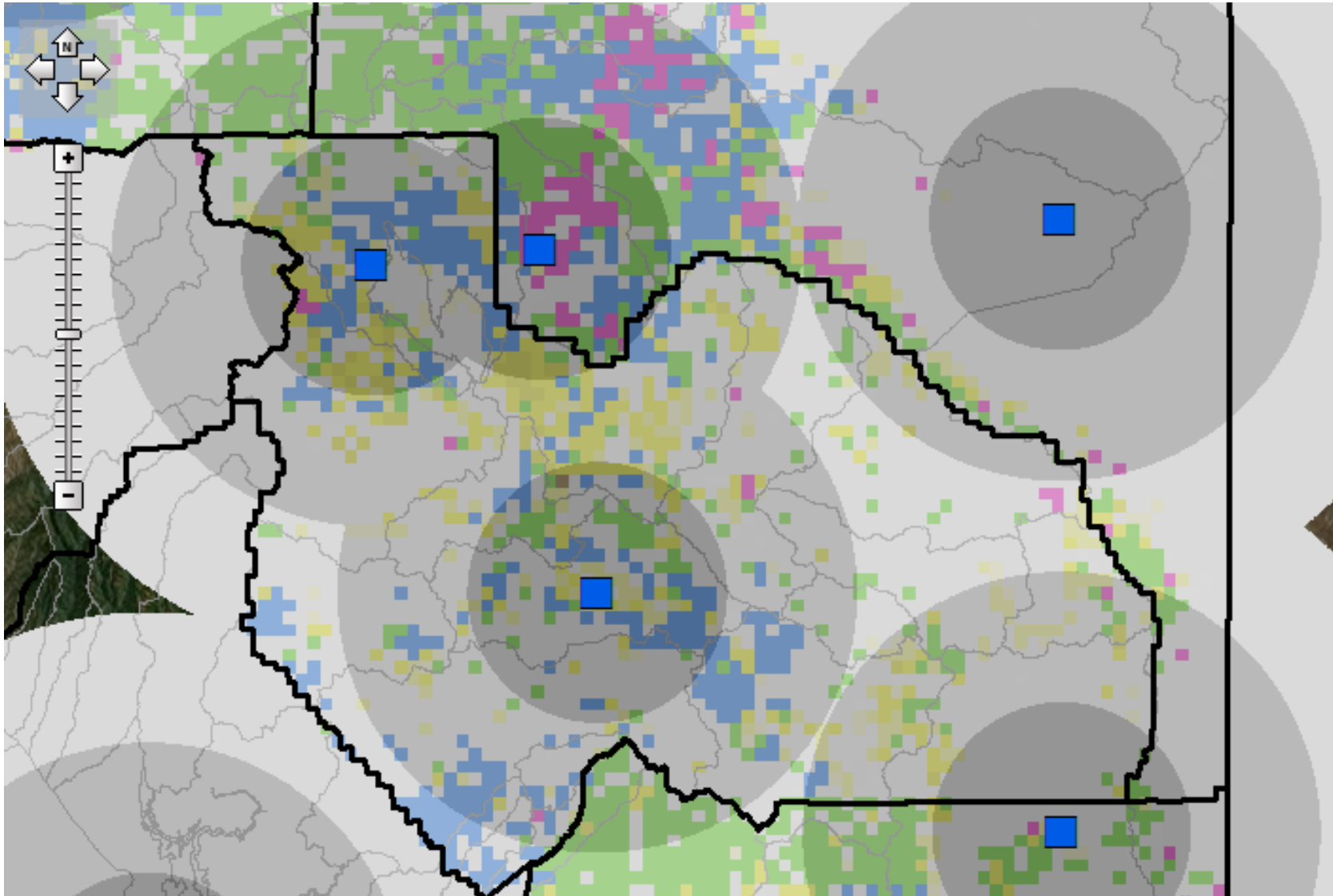
Physical Information

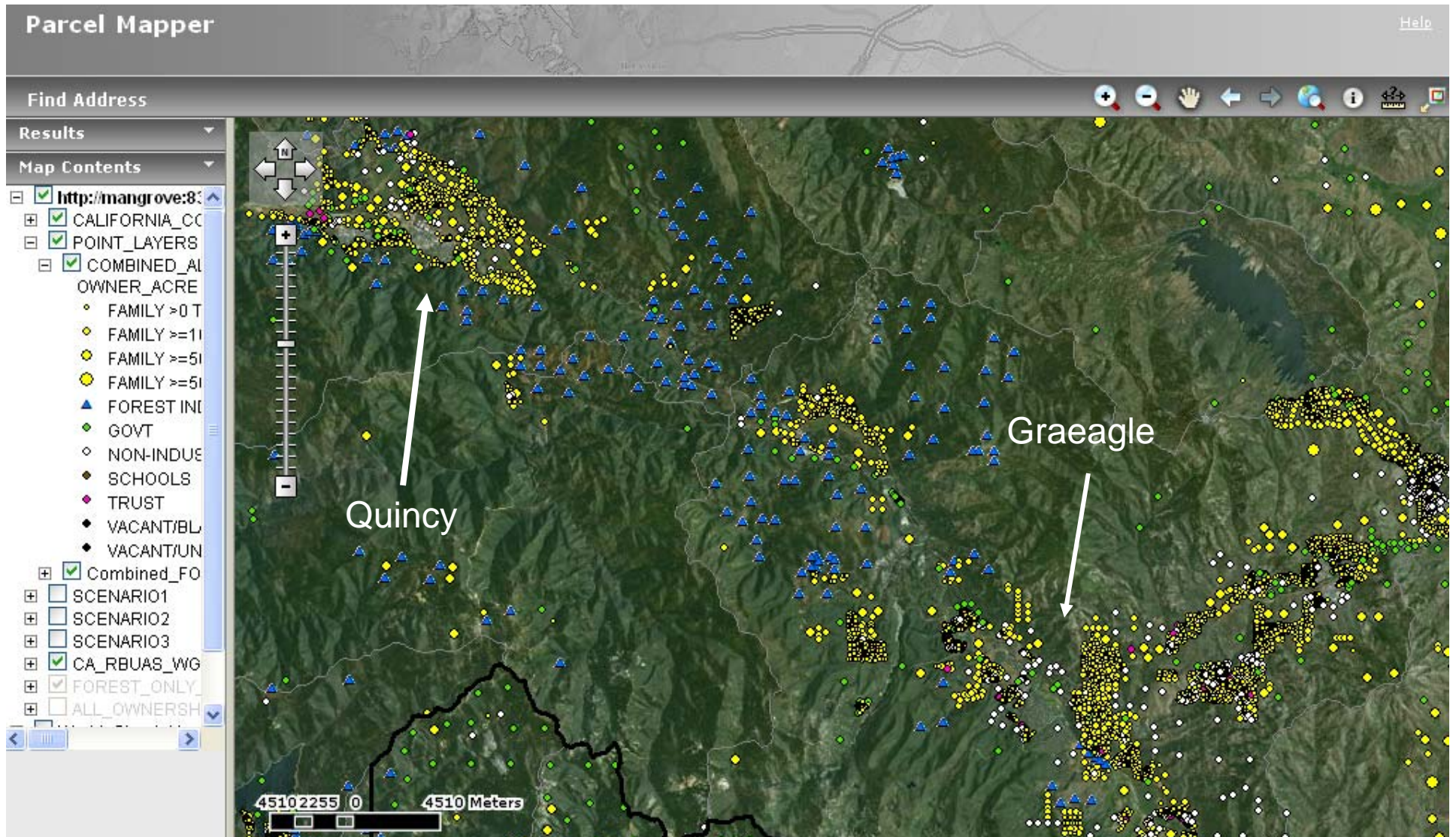
To identify like owners with similar opportunities and constraints

Some counties are still in progress

<http://mangrove.cnr.berkeley.edu:8399/ParcelMapper>

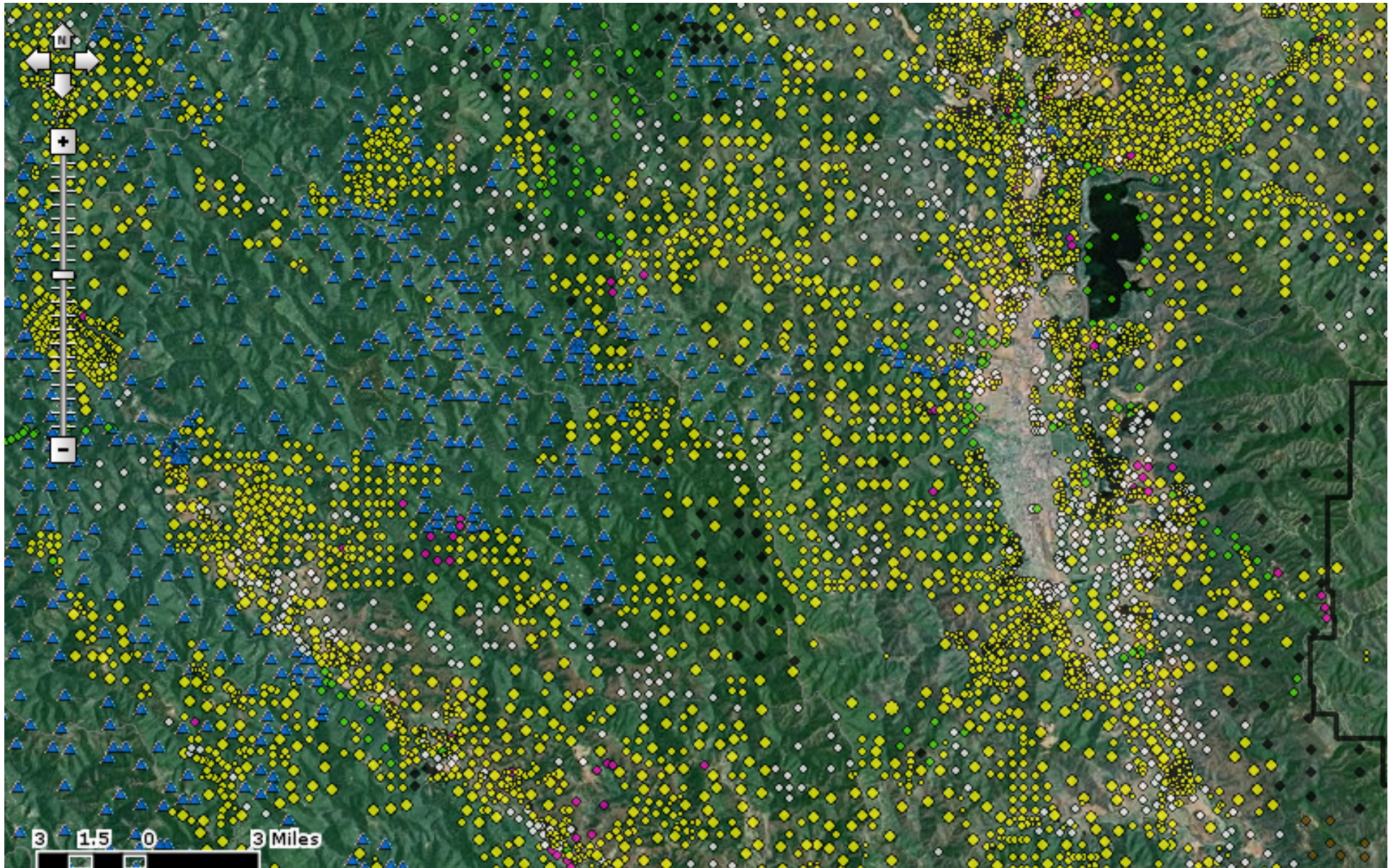
# Identifying Forest Parcels by Owner within 10, 20, and 30 mile radii from Biomass Plants



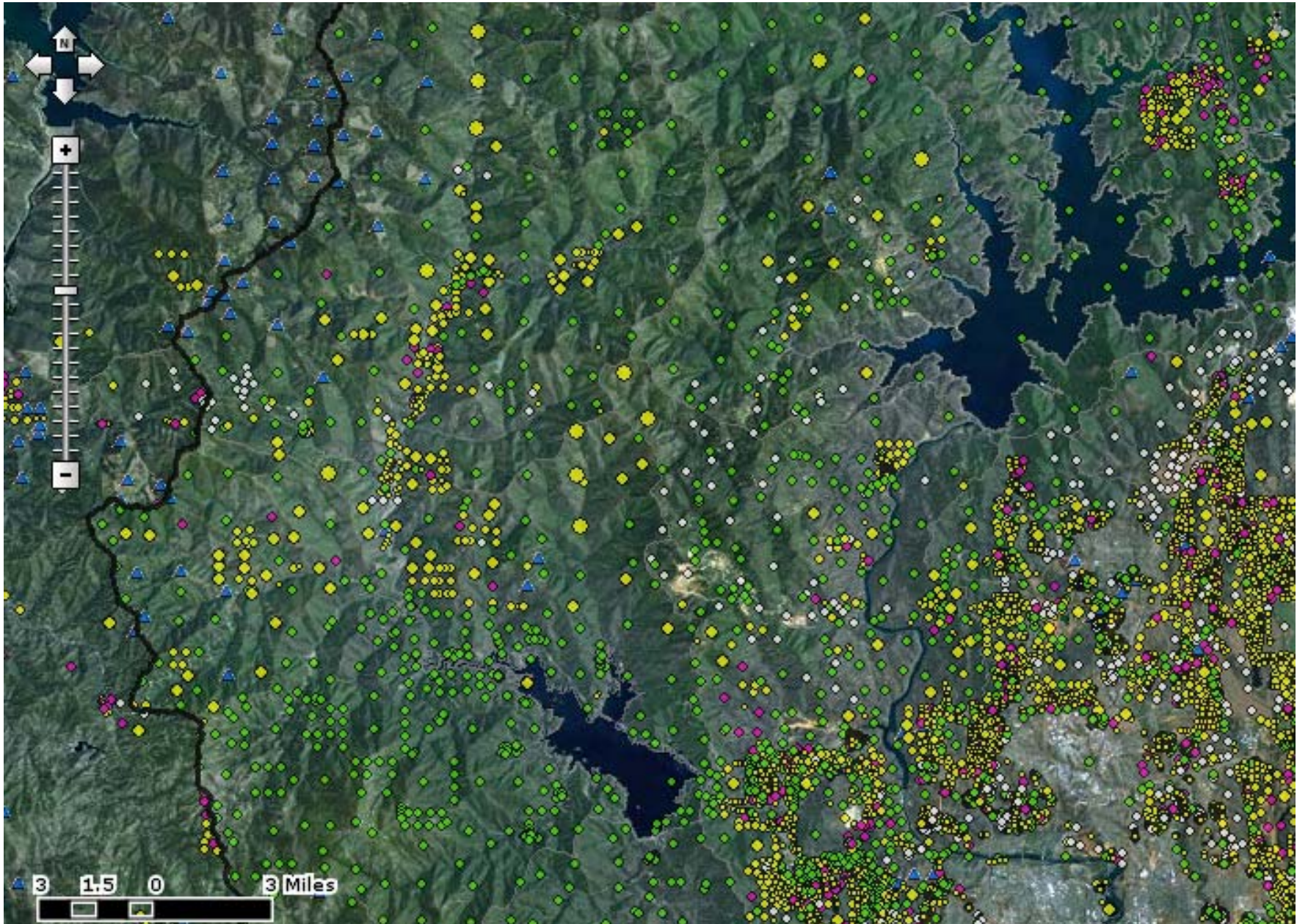


Owner Type	Owners	Forest Acres	Harvest Acres	'Harvest+' Acres
INDUSTRY + LARGE FAMILY FORESTS	~350	200,861	178,515	178,515
SMALL + MEDIUM FAMILY FORESTS	~10,000	86,641	24,791	36,221
GOVERNMENT	~4	252,612	50,522	126,306

# Large and Medium Private Forest Parcels Around Ukiah, CA



# Large and Medium Private Forest Parcels West of Redding



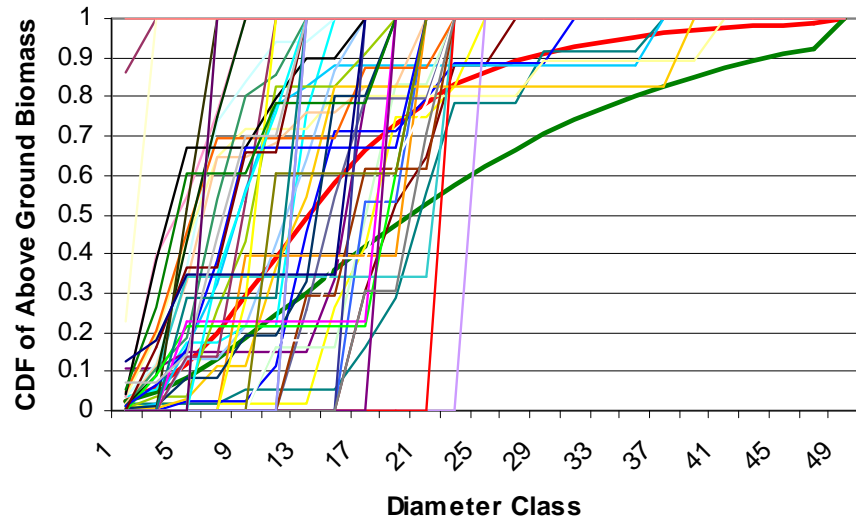
## Take Home Messages about Forest Biomass on Private Forest Lands

- Every landowner has different goals
- The economic value of forest biomass is a function of energy prices
- If urban California wants more home grown green energy, they will have to pay more for it

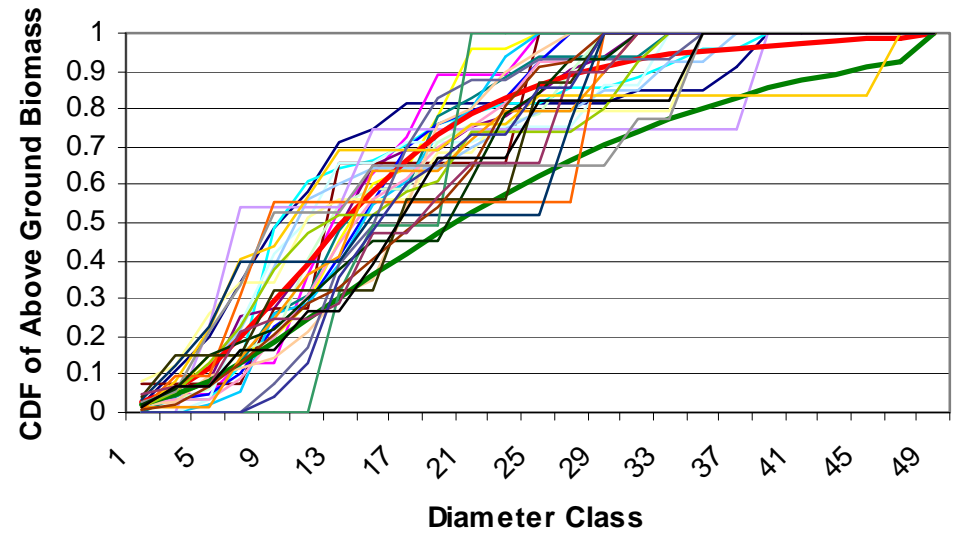
Thank You Comments or Questions?

- <http://mangrove.cnr.berkeley.edu:8399/ParcelMapper>
- [billstewart@berkeley.edu](mailto:billstewart@berkeley.edu) 510.643.3130

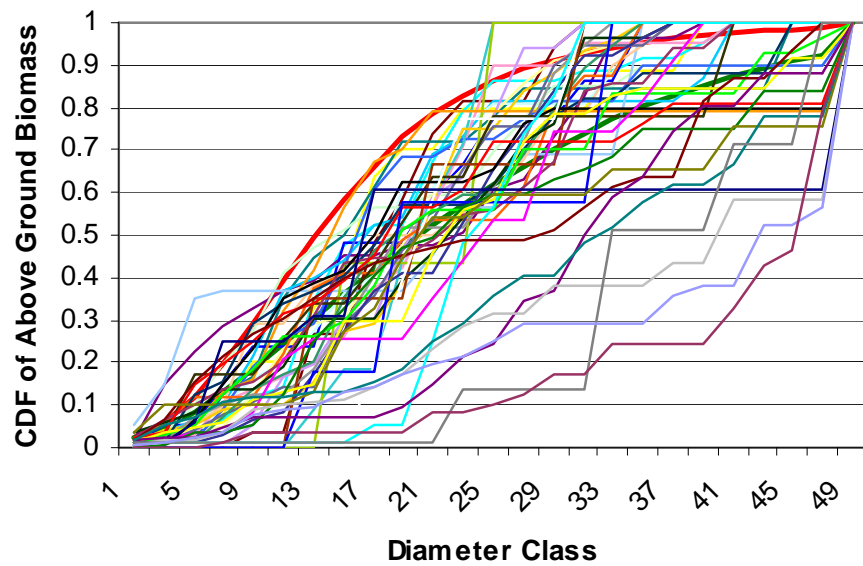
**CA Pvt Forests Even Size Bias**



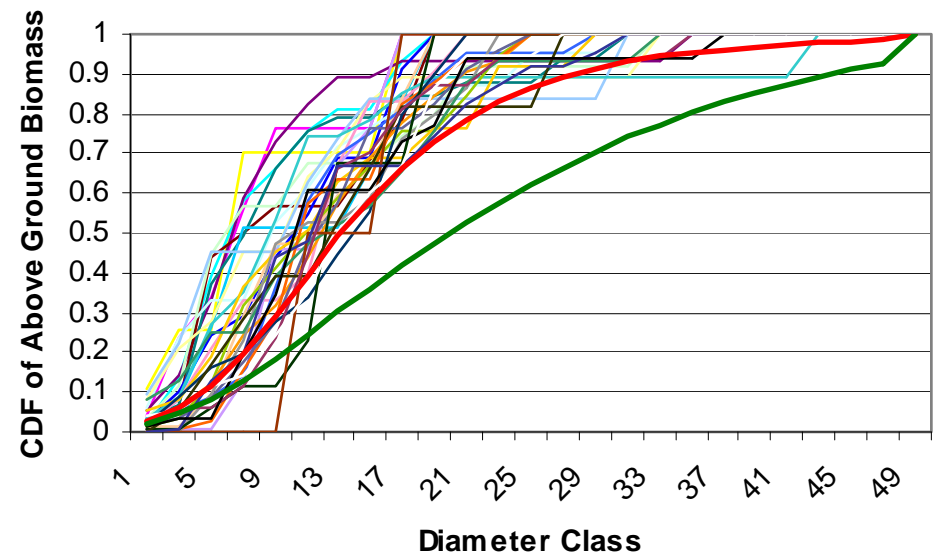
**CA Pvt Forests Neutral Bias**



**CA Pvt Forests Large Tree Bias**



**CA Pvt Forests - Small tree bias**



## By Area

	CA USFS	CA Pvt	W OR Pvt	E OR Pvt	W WA Pvt	E WA Pvt
<b>Even Size</b>	<b>23</b>	<b>31</b>	<b>42</b>	<b>51</b>	<b>44</b>	<b>45</b>
<b>Small tree bias</b>	<b>43</b>	<b>19</b>	<b>27</b>	<b>19</b>	<b>18</b>	<b>15</b>
Neutral bias	14	23	18	17	22	21
Large tree bias	20	27	13	13	16	19

## By Above Ground Volume of Biomass

	CA USFS	CA Pvt	W OR Pvt	E OR Pvt	W WA Pvt	E WA Pvt
Even Size	6	17	24	30	22	40
<b>Small tree bias</b>	<b>36</b>	<b>15</b>	<b>27</b>	<b>21</b>	<b>19</b>	<b>15</b>
Neutral bias	19	24	26	23	31	22
Large tree bias	40	44	23	27	28	23