

AB 1504 California Forest Ecosystem and Harvested Wood Product Carbon Inventory: 2007 – 2016

DATA UPDATE

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Executive summary and key findings

The state of California has enacted a variety of legislation establishing greenhouse gas (GHG) emissions reduction targets. Currently, the state has a net carbon sequestration target for the forest sector of 5 million metric tons (MMT) of carbon dioxide equivalent (CO₂e) annually until 2020, establishing a critical role for California's forests in meeting the state's targets. This data update was provided to inform several elements of the state's effort to meet GHG emissions reduction targets by compiling best-available data on GHG emissions, stock and flux from California's forest sector, identifying critical gaps in data, and suggesting strategies to reduce uncertainty in estimating the magnitude of stocks and flux within the forest sector.

This is the second data release in a series of annual Assembly Bill (AB) 1504 Forest Ecosystem and Harvested Wood Product (HWP) Carbon Inventory reports to the California Board of Forestry and Fire Protection (also referred to as the Board). This data release will not have a full report associated with it. For more detailed background on the inventory and methods, please refer to Christensen et al. 2017. Errors found after release of Christensen et al. 2017 are detailed in Christensen et al. 2018 and are also corrected in this data release.

The forest sector carbon data provided in this update comply with the Intergovernmental Panel on Climate Change Tier 3 good practice guidelines for carbon accounting (IPCC 2006, 2014) and is intended to assist the Board in evaluating and monitoring progress on meeting California's forest sector carbon sequestration target. This update can inform policy decision-making, but is not intended to be a complex policy assessment framework. Forest ecosystem carbon stocks and flux are established using direct measurements on forested plots throughout the state of California as part of the United States Department of Agriculture (USDA) Forest Service Forest Inventory and Analysis (FIA) program. Harvested wood product carbon stocks will be based on an IPCC Tier 3 production accounting approach and will be completed for the next full report within the year.

Based on the 2016 measurement cycle, California's forests remain net sinks, sequestering 31.8 MMT CO₂e per year, excluding net flux from soils, forest land conversions, non-CO₂ emissions from wildfires, or harvested wood products. This value is down slightly from the 2015 measurement cycle which estimated an average annual net sequestration rate of 33.6 MMT CO₂e per year. Most of the difference appears to be due to increased mortality, in addition to some decreases in growth rates that may be related to the recent drought. When comparing the 2015 and 2016 report tables 4.3/appendix B1, it is evident that the additional year of re-measured plots increased the statewide average mortality by approximately 1 MMT CO₂e per year and decreased the average growth by approximately 0.3 MMT CO₂e per year. However, changes in growth, removals, mortality and flux vary in each region, displaying different

patterns amongst each category. Additional work is being completed to assess these differences in more detail. After accounting for flux from soils, forest land conversions and non-CO₂ emissions from wildfires (excluding HWP), the estimated rate of carbon sequestration is 30.7 MMT CO₂e per year, down slightly from the 2015 measurement cycle which estimated 32.8 MMT CO₂e per year.

Carbon stocks are still just over 2 billion metric tons. However, in many forest types current stocking levels reflect over a century of fire suppression and may not represent stand densities that are resilient to disturbances common to California forests such as fire or pest outbreaks. Additionally, as the forests age in unharvested stands, growth rates slow. Older forests tend to store more carbon, but they might not accumulate new carbon as quickly as younger, fast-growing stands. Consequently, the stocks and flux represented in this report may not be sustainable into the future without forest management given the uncertainty in potential effects from climate change, the current level of forest disturbances from wildfire and pests, and aging of forests on federal lands. Forests provide many other services beyond carbon sequestration and storage, so there are many other considerations beyond forest carbon dynamics when developing management actions.

Key Findings:

The data presented in this report are based on the 2007-2016 FIA measurement cycle. Carbon stocks physically present in the forest are based on a 10-year average for the time-period of 2007-2016 and given in metric tons (MT) of carbon (C). The estimates of average annual carbon sequestration (i.e., net flux) is based on plots and trees initially measured between 2001 and 2006 then re-measured 10 years later between 2011 and 2016. Calculating flux based on actual growth, removals and mortality (i.e., the GRM approach) allows for annual reporting and is more robust than a simple stock-change approach. Stock information based on 2007-2016 FIA data or flux information based on plots initially measured between 2001-2006 and re-measured between 2011-2016 are also referred to as being based on the 2016 measurement cycle or the 2016 dataset. Results of carbon flux are given in metric tons (MT) of carbon dioxide equivalent (CO₂e). Carbon can be converted to CO₂e by multiplying by 3.667. Ranges in the text (i.e., ±) represent a 95% confidence interval (CI), while values in the tables report the sampling error (SE; CI = 1.96*SE). Confidence intervals around flux estimates tend to be slightly smaller than in the previous year's report because estimates are based on more plots (6/10ths of the full cycle compared to 5/10ths).

Forest land area:

- As of 2015 there are approximately 32 million acres of forest land across all ownerships.
- 16.5 million acres are classified as timberland with an additional 4.2 million acres of productive forest land in reserves.
- The federal government manages 58% of California's forest lands, with the remaining areas under state and local government (3.5%) or private management (39%) (Figure 2.4).
- Overall there was a net loss of forest land at the rate of 20.0 ± 9.8 thousand acres per year, primarily to developed land-uses (Table 4.8/E1). The confidence interval is high compared to the estimate because it is a relatively rare event at the scale of the inventory.
- Most of the forest land loss occurred on non-productive "other forest" (62%), followed by timberland (29%), with little change occurring on reserved lands (9%).
- Western oak woodlands cover the greatest area of all forest types at approximately 8.8 ± 0.37 million acres, followed by California mixed conifer at approximately 8.0 ± 0.34 million acres (Table 4.11; Appendix 2, Table A17).

Average net annual forest carbon dioxide sequestration - overview:

- Overall California forests are exceeding the 5 MMT CO₂e target rate of annual sequestration established by AB 1504.
- Based on plots initially measured between 2001-2006 and re-measured between 2011-2016, the average statewide rate of forest carbon sequestration is 31.8 ± 5.1 MMT CO₂e per year, excluding net CO₂e contributions from other sources such as forest soils, harvested wood products, forest land conversions and non-CO₂ GHG emissions from wildfire (Table 4.1, 4.3).
- Soil organic carbon is estimated to sequester 0.9 ± 0.9 MMT CO₂e per year (Table 4.1-4.3).
- Combined annual net emissions of non-CO₂ GHGs (methane and nitrous oxide) from wildfire is estimated to be 0.5 ± 0.1 MMT CO₂e per year (Table 4.2, 4.7).
- Changes in land-use between forest and non-forest land condition is estimated to have a net effect of emitting 1.6 ± 1.0 MMT CO₂e per year (Table 4.2, 4.9).
- Based on the 2016 measurement period, after accounting for these other CO₂ and greenhouse gas sources the statewide rate of carbon sequestration on all forest land is 30.7 ± 5.3 MMT CO₂e per year (Table 4.2), down slightly from the 2015 measurement cycle estimate of 32.8 ± 5.5 MMT CO₂e. This value currently excludes contributions from HWP pools.

Average net annual forest carbon dioxide sequestration – by pool:

- Growth on live trees, including foliage and live roots, makes up 88% of the annual CO₂e flux on all forest land at a net rate of about 27.9 ± 4.4 MMT CO₂e per year (Table 4.3).
- Standing dead trees, fallen down wood, and understory vegetation make up the remaining 12% of CO₂e flux (Table 4.3).
- Some portion of the 14.0 ± 2.6 MMT CO₂e flux (Table 4.3) associated with harvested wood is not immediately emitted as CO₂, but is stored as sequestered C. Information for these HWP pools will be provided in the next full inventory.

Average net annual forest carbon dioxide sequestration – by owner:

- The national forests provide the largest contribution, accounting for 36% of the statewide annual flux at a rate of 11.4 ± 2.7 MMT CO₂e per year (figure 4.1).
- Individual noncorporate forest land owners account for 33% of the statewide annual flux at a rate of 10.5 ± 1.6 MMT CO₂e per year (figure 4.1).
- Corporate forest land accounts for 16% of the statewide annual flux at a rate of 5.2 ± 3.6 MMT CO₂e per year (figure 4.1).
- State and local governments contribute 8% of the statewide annual flux at a rate of 2.6 ± 0.91 MMT CO₂e per year (figure 4.1).
- Other federal lands contribute 6% of the statewide annual flux at a rate of 2.0 ± 1.3 MMT CO₂e per year (figure 4.1).
- Only on reserved forest lands managed by the Forest Service is live tree growth not currently estimated to exceed carbon losses from the live tree pool due to tree mortality (Figure 4.4, Table 4.4).
- Annual gross growth per acre on live trees is currently exceeding all other carbon losses from the live tree pool due to mortality or harvest on unreserved timberland for all ownerships including lands managed by the Forest Service.
- The annual net rate of carbon sequestration per acre in the live tree pool is greatest on timberland owned by state and local government at 4.40 ± 2.10 metric tons of CO₂e per acre per year (Appendix 2, Table B12).
- The next highest annual net rate of carbon sequestration per acre in the live tree pool is on timberland owned by private individuals at 2.74 ± 0.44 metric tons of CO₂e per acre per year (Figure 4.4, Table 4.4).
- Trees growing on all ownerships across all of California's forests are sequestering carbon at a net rate of 0.73 ± 0.14 metric tons CO₂e per acre per year (Table 4.4).

Average net annual forest carbon dioxide sequestration – by region:

- The Sierra/Cascades region has the greatest net live tree CO₂e flux due to higher total annual growth in its forests relative to growth from other regions. This region also has the greatest rate of mortality but after accounting for harvest, live trees in the Sierra/Cascades region are still sequestering 7.8 ± 2.7 MMT CO₂e per year, more than any other region (figure 4.6). This is down slightly from the 2015 measurement period which estimated a rate of 8.7 ± 3.0 MMT CO₂e per year.
- The Southern Coastal Mountains and Deserts region is currently the only region where tree mortality is exceeding tree growth, resulting in a net carbon reduction of the live tree pool of 0.86 ± 0.54 MMT CO₂e per year (figure 4.6). Further analysis is needed to determine why this may be the case.

Carbon stocks for forest land remaining forest land (FF) by pool:

- Currently there are just over 2 billion metric tons of carbon stocks stored on forest land including forest soils across all ownerships in California (Table 4.12, figure 4.9, 4.10).
- Just over half of this stored carbon is found above ground in the live tree pool (including foliage) ($1,066 \pm 27$ MMT C, Table 4.12, figure 4.9).
- Forest soils store about a quarter of the stored carbon (506 ± 6.7 MMT C, Table 4.12, figure 4.9).
- Approximately 10% of the stored carbon is found aboveground in dead wood pools (205 ± 6.4 MMT C, Table 4.12, figure 4.9).
- These estimates exclude forest floor C as data was limited for this pool at this time. Initial estimates of forest floor C based on FIA measurements compiled in Gray et al. (2016) for National Forests in Oregon and Washington suggested that the forest floor made up 10% of non-soil forest C, which would translate to 7% of total C (143 MMT C) in Table 4.12 if the same ratio held. We suspect this number is too high and will go down with a better estimation approach.

Carbon stocks for forest land remaining forest land (FF) by owner:

- Approximately two-thirds of the carbon stocks in the state are found on public forest land (1,350 MMT C), with approximately 80% of that on National Forest System lands (1,077 MMT C) (Table 4.12, figure 4.8).
- Private corporate forest land contains approximately 16% of the state's carbon stocks (334 MMT C, Table 4.12, figure 4.8).
- Private noncorporate forest land contains approximately 18% of the state's carbon stocks (359 MMT C, Table 4.12, figure 4.8).

- Approximately 63% of the forest carbon stores are found on unreserved timberland (1,278 MMT C, Table 4.12, Figure 4.10).

Carbon stocks for forest land remaining forest land (FF) by region:

- Nearly half of California’s carbon stocks in all carbon pools are found in a single region, the Sierra and Cascade Mountain Ranges. This region represents 48% of the forest land area and contains 957 MMT C (Table 4.19, figure 4.11).
- The next largest carbon store, the Klamath Interior and Coast Ranges region has about 60% the carbon stocks found in the Sierra and Cascades and just over a quarter of those found in the state at 580 MMT C (Table 4.17, figure 4.11).
- For each of these regions the dead tree and down woody material pools are each about 10% of the live tree carbon pool.

Carbon stocks for forest land remaining forest land (FF) by forest type:

- The California mixed conifer forest type contains the largest carbon stock compared to all other forest types, storing approximately 709 ± 33 MMT C (95% CI; Table 4.21, Figure 4.12).
- Western oak forests follow with 348 ± 18 MMT C (Table 4.20, figure 4.12).
- For most forest types the majority of carbon stores are found in live trees (Table 4.20, Figure 4.12).
- Most carbon stocks are found on unreserved timberland for most softwood forest types (Table 4.22, figure 4.13).
- The redwood forest type has the highest carbon density per acre (figure 4.14).
- Regional data by forest type is included in Appendix 1.

Comparison to the Forest Management Reference Level (FMRL):

- FIA’s initial 10-year forest inventory in California installed from 2001 - 2010 is the FMRL basis (i.e., baseline) to evaluate relative changes in California forest carbon stocks between measurement periods.
- Stock-change comparisons to the FMRL cannot determine net flux until the entire 10-year re-measurement period is complete in 2020. The GRM method is used to estimate annual net flux.
- Comparison to the FMRL show that overall California’s forest carbon stocks are increasing over time with minor annual variations (table 4.31).

Harvested Wood Product (HWP) carbon:

- Currently work to estimate HWP C is being completed through an agreement between CALFIRE, the USDA Forest Service Pacific Northwest Research Station (PNW), and the University of Montana Bureau of Business and Economic Research. From this work, a detailed IPCC Tier 3 inventory of the harvested wood product carbon pools will be conducted for the AB 1504 Forest Ecosystem and Harvested Wood Products carbon inventory expected to be released in late 2018.

Appendix organization:

Appendix 1: Regional forest carbon stock data by forest type.

Appendix 2: 2007 - 2016 California FIA forest carbon inventory tables

Area

Sampled Area

- Sampled area by land status and ownership group for all of California (Table A1) and by region (Tables A2-A8), 2007-2016

Forest Area for Forest Land Remaining Forest (FF): by owner

- Forest land area by forest land status and ownership group for all of California (Table A9) and by region (Tables A10-A16), 2007-2016

Forest Area for Forest Land Remaining Forest (FF): by forest type

- Forest land area by forest type, forest land status and ownership group for all of California (Table A17) and by region (Tables A18-A24), 2007-2016

Net forest carbon flux for forest land remaining forest (FF)

Net carbon flux for all pools by owner

- Annual net change for all forest carbon pools by owner for all of California (Table B1) and by region (Tables B2-B8), 2001-2006 and 2011-2016

Disturbance effects on net forest carbon flux, all forest land

- Annual net change for aboveground pools by disturbance, forest land status and owner, 2001-2006 and 2011-2016 – total (Table B9) and per acre (Table B10)

Disturbance effects on net forest carbon flux, timberland

- Annual net change on timberland for aboveground pools by disturbance and owner, 2001-2006 and 2011-2016 – total (Table B11) and per acre (Table B12)

Forest carbon stock for forest land remaining forest (FF): by owner and forest land status

Aboveground live tree pool

- All of California (Table C1) and by region (Tables C2-C8), 2007-2016
- All of California by 10-year averages (Tables C9.1-C9.7)

Aboveground dead tree pool

- All of California (Table C10) and by region (Tables C11-C17), 2007-2016
- All of California by 10-year averages (Tables C18.1-C18.7)

Aboveground live understory vegetation pool

- All of California (Table C19) and by region (Tables C20-C26), 2007-2016

Aboveground and belowground live understory vegetation pools, 10-year averages

- All of California by 10-year averages (Tables C27.1-C27.7)

Belowground live understory vegetation pool

- All of California (Table C28) and by region (Tables C29-C35), 2007-2016

Belowground live tree pool

- All of California (Table C36) and by region (Tables C37-C43), 2007-2016

Belowground live and dead tree pools, 10-year averages

- All of California by 10-year averages (Tables C44.1-C44.7)

Belowground dead tree pool

- All of California (Table C45) and by region (Tables C46-C52), 2007-2016

Soil organic carbon pool

- All of California (Table C53) and by region (Tables C54-C60), 2007-2016
- All of California by 10-year averages (Tables C61.1-C61.7)

Aboveground down dead wood pool

- All of California (Table C62) and by region (Tables C63-C69), 2007-2016
- All of California by 10-year averages (Tables C70.1-C70.7)

Forest carbon stock for forest land remaining forest (FF): by forest type and forest land status

Aboveground live tree pool

- All of California (Table D1) and regions (Tables D2-D8), 2007-2016

Aboveground dead tree pool

- All of California (Table D9) and regions (Tables D10-D16), 2007-2016

Aboveground live understory vegetation pool

- All of California (Table D17) and regions (Tables D18-D24), 2007-2016

Belowground live understory vegetation pool

- All of California (Table D25) and regions (Tables D26-D32), 2007-2016

Belowground live tree pool

- All of California (Table D33) and regions (Tables D34-D40), 2007-2016

Belowground dead tree pool

- All of California (Table D41) and regions (Tables D42-D48), 2007-2016

Soil organic carbon pool

- All of California (Table D49) and regions (Tables D50-D56), 2007-2016

Aboveground down dead wood pool

- All California (Table D57) and regions (Tables D58-D64), 2007-2016

Forest land conversions (LF)

Changes in area from forest land-use conversions

- Annual change in forest land area to and from other IPCC land-use classes in California by forest land status for all of California, 2001-2006 to 2011-2016 (Table E1)

Net forest carbon flux from forest land-use conversions

- Annual change in carbon pools due to change in land-use between forest and non-forest in California, 2001-2006 to 2011-2016 (Table E2)

Net flux from other GHG emissions

- Annual net emissions of non-CO₂ greenhouse gasses from fire by owner group and class for all of California, 2001-2006 to 2011-2016 (Table F1)

Forest ecosystem results: Carbon flux, stock, and trends, select table and figure updates

Table and figure numbers in this section match numbers in the 2015 measurement period report (Christensen et al. 2017). While most of the tables and figures have been replicated here, not all have been as the organization of the report is continuing to be revised. This section is intended to serve as a data update only - detailed discussion associated with the following tables and figures are forthcoming in the next full report.

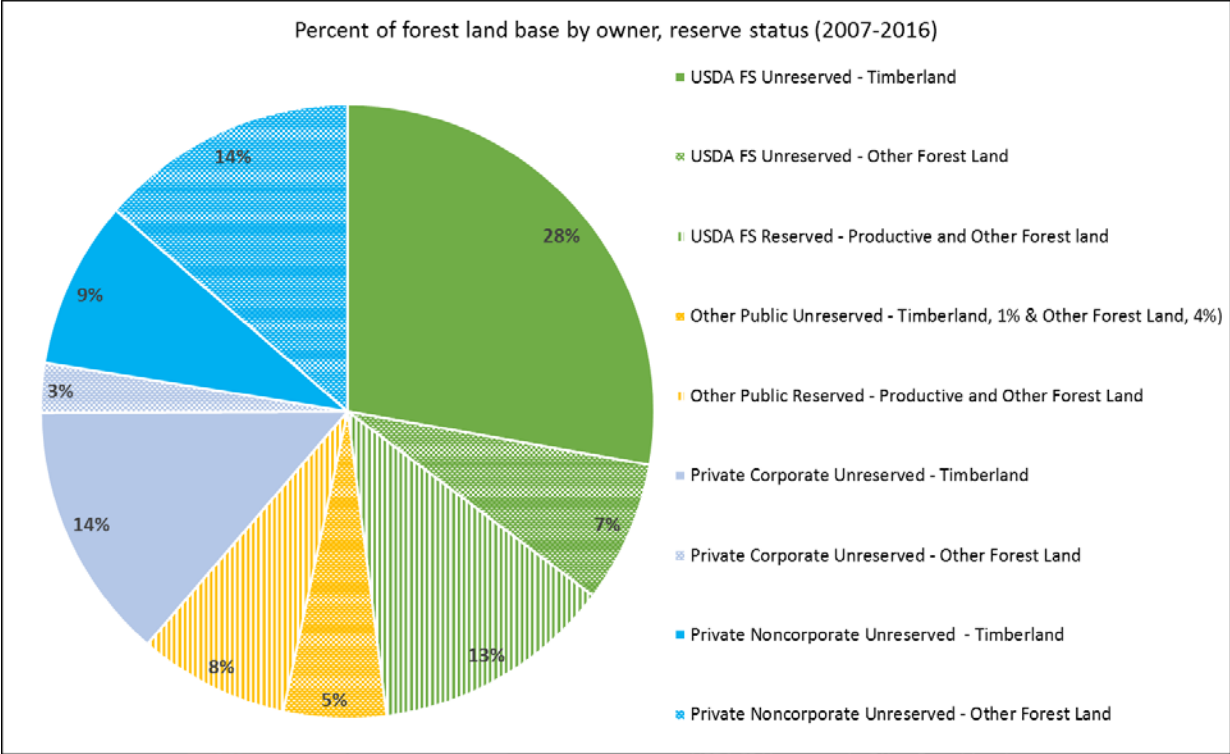


Figure 2.4: Percent of forest land base by owner, reserve status for forest land remaining forest land (2007-2016).

Table 4.1: Average annual net CO₂e flux from forest pools in forest land remaining forest land, 2001-2006 to 2011-2016.

	Net flux	
	Total	SE
	<i>million metric tons CO₂ equivalent</i>	
CARBON POOL		
Forest		
Aboveground live ¹	23.4	2.3
Aboveground dead ²	3.3	1.4
Belowground live ³	4.5	0.4
Belowground dead ⁴	0.6	0.2
Litter ⁵	TBD	TBD
NET FLUX	31.8	2.6
Soil Organic C	0.9	0.5
Harvested Wood		
Products in use ⁵	TBD	TBD
Products at SWDS ⁵	TBD	TBD
TOTAL NET FLUX	32.7	2.8

¹includes live trees, foliage, and understory veg

²includes standing and down dead wood

³includes live tree and understory veg roots

⁴includes dead tree roots

Table 4.2: Average annual net CO₂e flux from forest, HWP pools and non-CO₂ emissions from forest fires in Forest land remaining forest land and changes due to forest land conversions, 2001-2006 to 2011-2016

Land-use category	Net flux	
	Total	SE
	<i>million metric tons CO₂ equivalent</i>	
Forest land remaining forest land		
Changes in forest carbon	31.8	2.6
Changes in Soil Organic Carbon	0.9	0.5
Non-CO ₂ emissions from forest fires	-0.5	0.1
<i>net flux</i>	32.2	2.7
Forest land conversions		
Changes in forest carbon, forest to non-forest	-2.8	0.4
Changes in forest carbon, non-forest to forest	1.3	0.3
<i>net flux</i>	-1.5	0.5
<i>total net flux</i>	30.7	2.7

Note: negative numbers are a net emission to the atmosphere

Table 4.3: Statewide estimate of average annual net carbon flux (CO₂e) by pools and owner, 2001-2006 to 2011-2016. Changes in CO₂e due to land-use and non-CO₂ greenhouse gas emissions are not included. See also Appendix 2, Table B1.

	Public						Private				Total		Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate		Total		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO₂ equivalent per year</i>													
Standing Live tree														
Mortality	-24,985	1,320	-2,657	380	-1,237	314	-3,807	318	-3,944	298	-7,751	416	-36,630	1,459
Cut	-1,854	374	-8	8	-136	140	-10,610	1,240	-1,380	347	-11,990	1,271	-13,988	1,332
Gross Growth	32,308	630	4,295	355	3,361	340	19,410	830	13,528	730	32,938	855	72,903	1,087
Net	5,469	1,465	1,631	411	1,989	400	4,993	1,397	8,204	701	13,197	1,540	22,285	2,193
Foliage	367	73	79	21	95	20	278	72	363	32	641	78	1,181	111
Roots														
Live	1,226	288	284	91	377	79	1,065	289	1,520	145	2,584	318	4,472	445
Dead	618	199	-67	73	6	36	10	63	30	47	41	78	597	229
Standing Dead	4,277	983	-169	373	38	127	344	237	411	193	755	306	4,901	1,102
Dead Woody Debris	-464	668	227	300	111	159	-1,520	529	68	349	-1,451	634	-1,577	981
Understory Vegetation														
Above Ground	-67	56	-1	30	-21	9	41	46	-49	17	-8	49	-98	80
Below Ground	-7	6		3	-2	1	5	5	-5	2	-1	5	-11	9
Total (excluding soils)	11,418	1,395	1,983	660	2,592	465	5,215	1,857	10,543	895	15,758	2,040	31,751	2,586
Soils	256	308	364	144	75	74	58	253	190	172	248	306	943	465
Total (including soils)	11,674	1,470	2,347	702	2,667	481	5,273	1,853	10,734	905	16,007	2,040	32,694	2,641

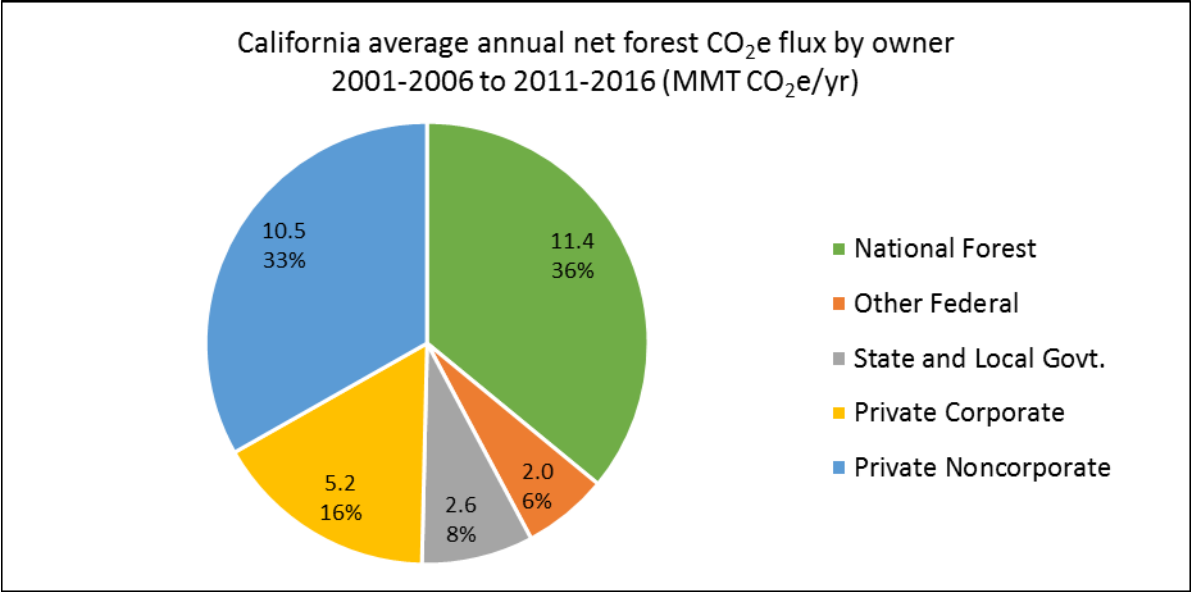


Figure 4.1. California average annual net forest CO₂e flux by owner, 2001-2006 to 2011-2016 (MMT CO₂e/yr). Soils and forest floor flux assumed to be zero. Figure derived from table 4.3/Appendix 2, table B1.

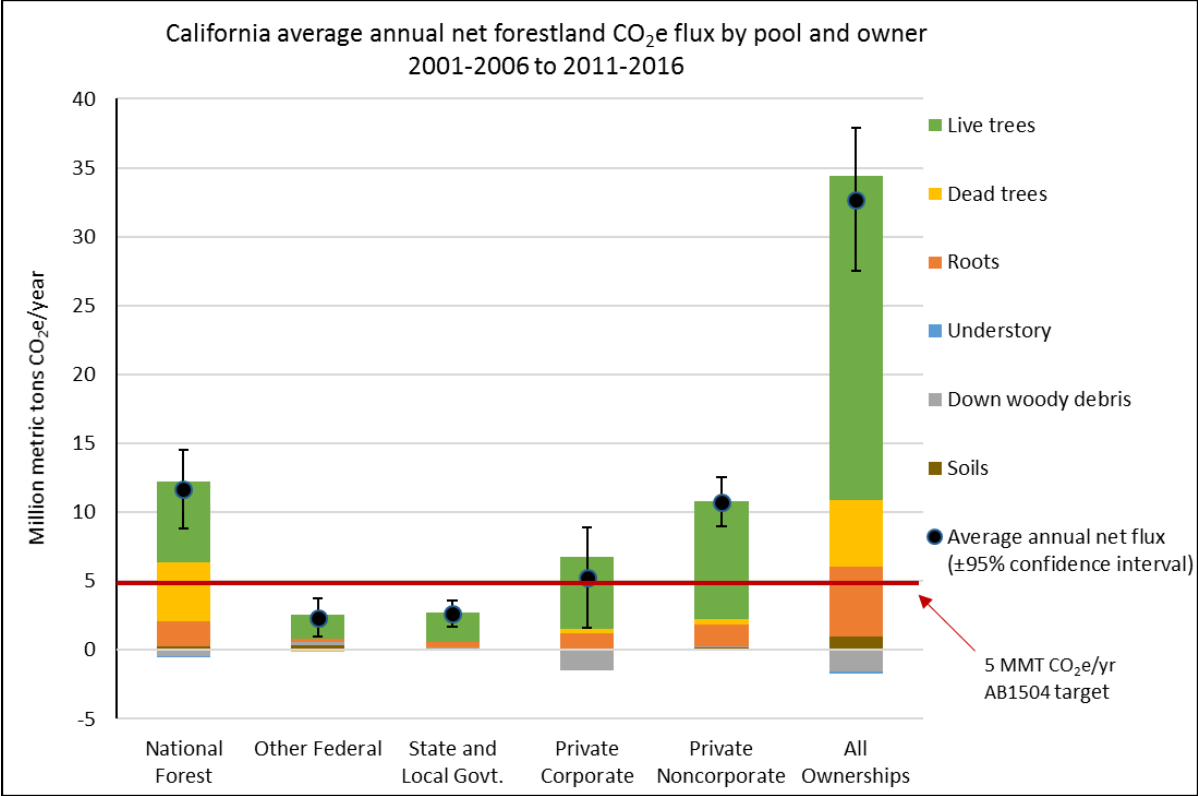


Figure 4.2. California average annual net forestland carbon flux by pool and ownership, 2001-2006 to 2011-2016 (MMT CO₂e/yr). Estimates exclude emissions from land-use changes (1.5 MMT CO₂e/yr) and non-CO₂ greenhouse gases (0.5 MMT CO₂e/yr). Roots includes belowground live and dead tree roots. Understory includes aboveground and belowground understory vegetation. Error bars represent the 95% confidence interval of estimated net flux. Figure derived from Table 4.3/Appendix 2, Table B1.

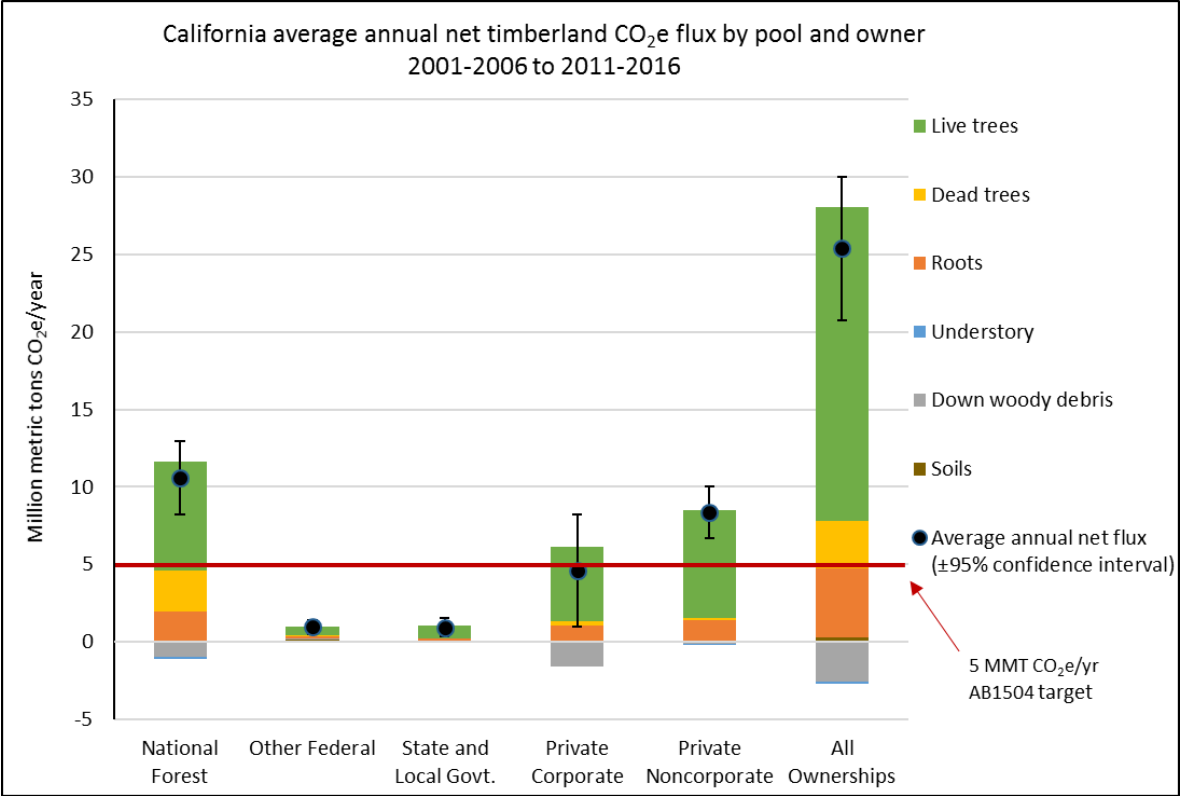


Figure 4.3. California average annual net timberland carbon flux by pool and ownership, 2001-2006 to 2011-2016 (MMT CO₂e/yr). Estimates exclude emissions from land-use changes (1.5 MMT CO₂e/yr) and non-CO₂ greenhouse gases (0.5 MMT CO₂e/yr). Roots includes belowground live and dead tree roots. Understory includes aboveground and belowground understory vegetation. Error bars represent the 95% confidence interval of estimated net flux.

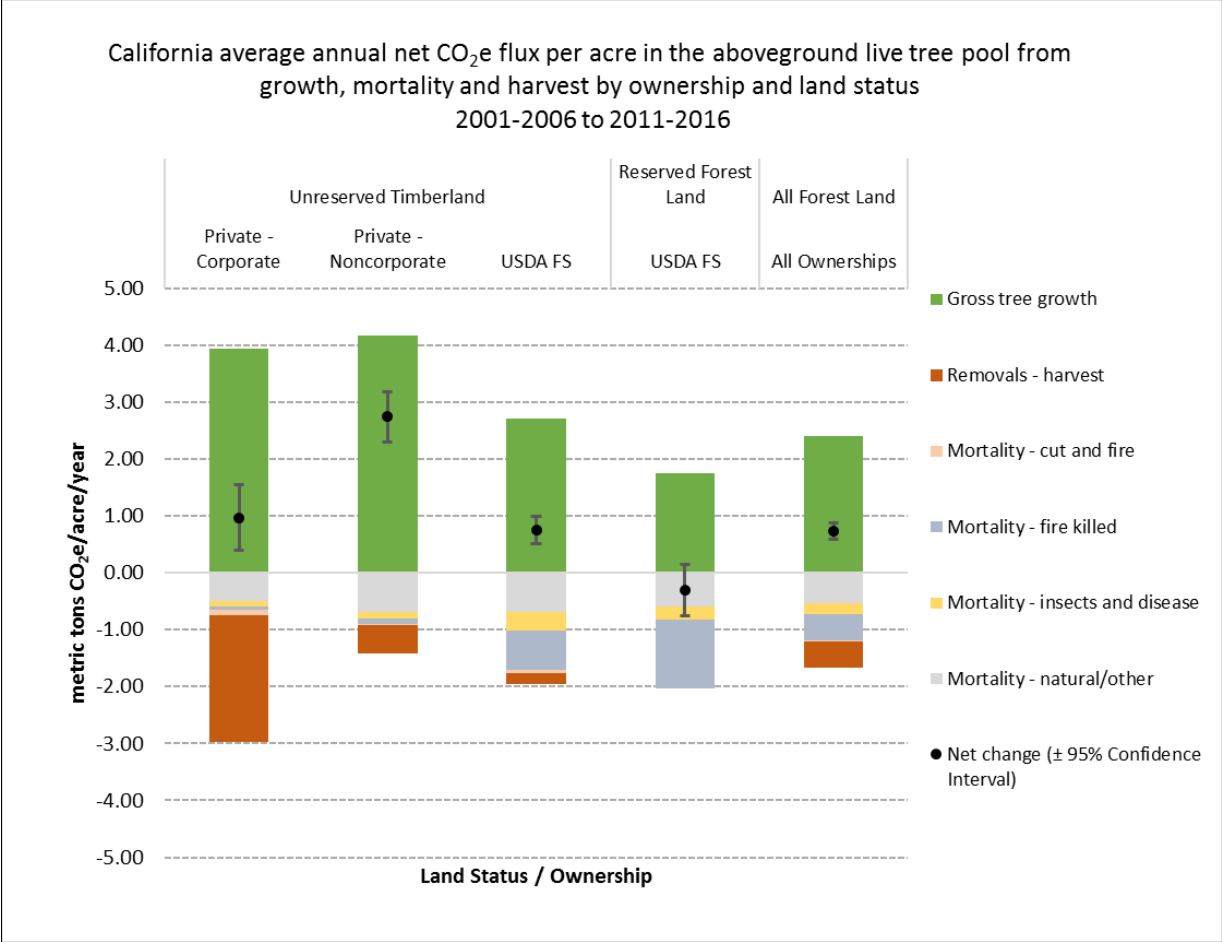


Figure 4.4. Average annual net CO₂e flux per acre in aboveground live tree carbon pool from growth, mortality and harvest by ownership and land status of California’s forests (MT CO₂e/acre/year), 2001-2005 to 2011-2015. The “all ownerships” category includes all other state and federal agencies managing fewer overall acres of forest land in California. The error bars represent the 95% confidence interval of net change. Figure derived from Appendix 2, Table B12.

Table 4.4. Average annual growth, mortality, harvest, and net change per acre in aboveground live tree carbon pool by ownership and land status of California's forests, 2001-2006 to 2011-2016. The all ownerships category includes all other state and federal agencies managing fewer overall acres of forest land in California.

	Unreserved Timberland						Reserved Forest		All Forest Land	
	Private - Corporate		Private -		National Forests		National Forests		All Ownerships	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
	<i>Metric tons CO2e/acre/year</i>									
Gross tree growth	3.93	0.13	4.17	0.17	2.71	0.06	1.74	0.08	2.40	0.04
Removals - harvest	-2.23	0.25	-0.51	0.14	-0.21	0.04	0.00	0.00	-0.46	0.04
Mortality - fire killed	-0.06	0.02	-0.08	0.04	-0.70	0.10	-1.22	0.22	-0.45	0.04
Mortality - cut and fire¹	-0.10	0.04	-0.02	0.02	-0.04	0.02	--	--	-0.03	0.01
Mortality - insects and disease	-0.08	0.02	-0.13	0.04	-0.33	0.04	-0.23	0.06	-0.19	0.02
Mortality - natural/other	-0.50	0.08	-0.68	0.11	-0.69	0.08	-0.59	0.07	-0.54	0.02
Net change	0.96	0.29	2.74	0.22	0.75	0.13	-0.30	0.23	0.73	0.07

¹Mortality - Cut and fire: plots where tree mortality has occurred due to both harvest and fire.

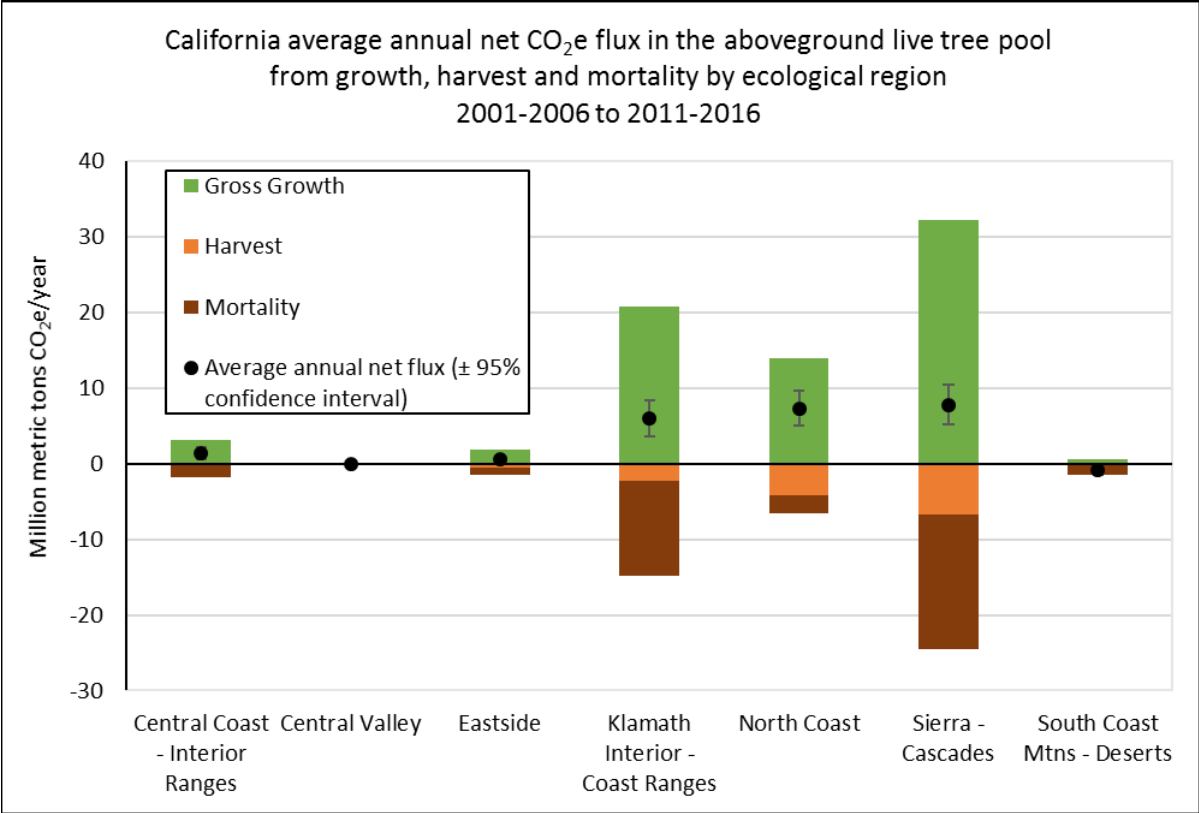


Figure 4.6. Average annual net CO₂e flux in live trees from growth, harvest and mortality by ecological region, 2001-2006 to 2011-2016 (MMT CO₂e/yr). Error bars represent the 95% confidence interval of estimated net flux. Figure derived from Table 4.5/Appendix 2, Tables B2-B8.

Table 4.5. Average annual net CO₂e flux in live trees from growth, harvest, mortality by region, 2001-2006 to 2011-2016. Compare to Appendix 2, Tables B2-B8.

	Gross Growth		Harvest		Mortality		Net Flux	
	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand Metric Tons CO₂ equivalent per year</i>							
Central Coast and Interior Ranges	3,188	431	-219	110	-1,569	281	1,400	386
Central Valley	89	45	-5	5	-39	25	45	28
Eastside	1,929	199	-570	160	-816	161	544	223
Klamath Interior Coast Ranges	20,805	836	-2,245	560	-12,583	1,044	5,977	1,238
North Coast	13,959	922	-4,177	946	-2,432	353	7,349	1,164
Sierra Cascades	32,332	909	-6,701	813	-17,801	1,043	7,829	1,356
South Coast Mountains and Deserts	600	93	-70	42	-1,389	309	-859	278
All California	72,903	1,087	-13,988	1,332	-36,630	1,459	22,285	2,193

Table 4.6. Average annual net carbon (CO₂e) flux by pool on forest land by disturbance type and ownership, 2001-2006 to 2011-2016. See also Appendix 2, Table B9.

	USDA Forest Service						Other Public				Private				Total		Total			
	Timberland		Reserved		Low productive, unreserved		Total		Other federal		State and local govt.		Corporate		Non Corporate		Total		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons CO2 equivalent per year</i>																				
Cut																				
Mortality	-171	79	-7	8	--	--	-179	79	--	--	--	--	-362	76	-152	60	-514	97	-693	125
Cut	-1,069	253	-4	4	--	--	-1,073	253	-7	8	--	--	-8,633	1,141	-873	326	-9,506	1,175	-10,587	1,202
Gross Growth	1,162	208	18	19	--	--	1,180	208	17	18	--	--	3,651	382	794	222	4,445	431	5,642	479
Net Live	-78	182	7	7	--	--	-72	182	10	10	--	--	-5,345	996	-231	280	-5,576	1,033	-5,638	1,049
Standing Dead Change	-157	83	--	--	--	--	-157	83	--	--	--	--	-161	80	28	39	-133	89	-290	121
Dead Woody Debris Change	-96	86	-2	2	--	--	-98	86	5	6	--	--	-495	317	33	160	-463	356	-555	366
Total Net ¹	-362	290	6	6	--	--	-356	291	18	18	--	--	-7,238	1,385	-217	365	-7,455	1,431	-7,793	1,460
Cut and Fire																				
Mortality	-344	153	--	--	--	--	-344	153	--	--	-21	23	-449	171	-41	40	-490	176	-855	234
Cut	-538	272	--	--	--	--	-538	272	--	--	-128	140	-1,019	454	--	--	-1,019	454	-1,685	547
Gross Growth	245	82	--	--	--	--	245	82	--	--	69	75	205	73	7	7	211	74	525	133
Net Live	-637	295	--	--	--	--	-637	295	--	--	-80	87	-1,264	485	-34	34	-1,298	486	-2,015	575
Standing Dead Change	52	71	--	--	--	--	52	71	--	--	-1	1	101	74	-9	9	91	74	142	102
Dead Woody Debris Change	-64	48	--	--	--	--	-64	48	--	--	15	16	69	120	-10	10	59	121	10	131
Total Net ¹	-768	361	--	--	--	--	-768	361	--	--	-80	87	-1,344	520	-60	59	-1,404	523	-2,252	642
Fire																				
Mortality	-6,194	860	-4,934	898	-592	164	-11,720	1,252	-838	282	-251	136	-314	116	-504	148	-818	188	-13,626	1,304
Cut	-33	23	--	--	--	--	-33	23	--	--	--	--	-16	15	-47	29	-64	33	-96	40
Gross Growth	2,100	260	1,238	197	155	49	3,493	330	566	140	53	33	154	60	302	90	456	108	4,568	376
Net Live	-4,127	740	-3,696	812	-436	143	-8,259	1,107	-272	194	-197	106	-177	94	-249	116	-426	149	-9,154	1,138
Standing Dead Change	2,343	585	1,908	580	67	114	4,318	831	-111	296	72	43	18	80	69	66	87	103	4,367	889
Dead Woody Debris Change	-541	214	6	174	-4	52	-540	282	-68	105	16	44	-138	61	164	96	25	114	-567	325
Total Net ¹	-2,808	574	-2,232	557	-480	173	-5,519	816	-577	466	-139	110	-324	164	-60	120	-384	203	-6,620	968
Insect and Disease																				
Mortality	-2,917	354	-924	246	-140	82	-3,981	438	-673	195	-149	89	-454	106	-376	104	-830	148	-5,633	507
Cut	-87	41	--	--	--	--	-87	41	--	--	--	--	-49	24	-39	25	-88	35	-174	53
Gross Growth	4,528	397	857	172	66	29	5,452	433	528	136	270	118	1,210	240	929	229	2,139	328	8,388	568
Net Live	1,524	338	-67	198	-74	62	1,384	397	-145	135	120	76	708	176	514	176	1,221	247	2,581	493
Standing Dead Change	78	243	67	129	57	58	202	281	279	128	-47	96	-39	52	-23	72	-62	89	372	336
Dead Woody Debris Change	199	254	253	180	44	22	496	312	97	94	65	107	-71	73	-43	60	-115	94	544	355
Total Net ¹	2,187	423	273	190	18	45	2,478	466	267	149	167	102	747	207	555	202	1,302	288	4,213	575
Other cut and weather																				
Mortality	-469	133	-236	87	-93	44	-798	163	-30	15	-1	1	-219	100	-263	66	-482	119	-1,310	203
Cut	-74	30	-15	13	--	--	-89	33	--	--	-4	4	-279	111	-195	81	-475	137	-567	141
Gross Growth	1,007	195	304	91	74	38	1,385	217	92	58	46	48	811	210	737	175	1,548	272	3,070	356
Net Live	464	137	53	74	-19	20	498	157	62	58	42	43	312	157	279	132	591	205	1,192	268
Standing Dead Change	3	87	-63	98	41	23	-19	133	11	9	-15	17	15	10	113	38	128	40	105	140
Dead Woody Debris Change	28	140	97	69	30	37	154	160	9	18	49	40	-325	175	214	126	-110	215	102	272
Total Net ¹	582	189	72	115	49	39	704	223	95	75	80	52	61	203	692	207	754	290	1,633	377
Less than 25% disturbed																				
Mortality	-5,518	468	-2,119	275	-327	71	-7,964	538	-1,117	230	-815	279	-2,008	203	-2,608	218	-4,616	286	-14,513	706
Cut	-33	17	-1	1	-2	2	-35	18	--	--	-4	3	-612	145	-226	81	-838	165	-878	166
Gross Growth	15,054	621	4,601	379	898	136	20,554	690	3,093	345	2,923	354	13,380	804	10,760	668	24,140	909	50,710	1,205
Net Live	9,504	607	2,481	350	570	127	12,554	691	1,975	317	2,104	359	10,759	722	7,926	595	18,685	838	35,319	1,163
Standing Dead Change	357	321	-390	257	-87	57	-120	415	-348	188	30	66	410	188	233	158	643	245	205	522
Dead Woody Debris Change	-514	373	72	294	28	98	-413	484	184	263	-33	101	-559	354	-289	260	-848	439	-1,110	711
Total Net ¹	11,675	731	2,626	478	579	154	14,880	859	2,181	427	2,563	417	13,313	964	9,633	761	22,946	1,117	42,570	1,506
Total																				
Mortality	-15,613	974	-8,221	897	-1,151	200	-24,985	1,320	-2,657	380	-1,237	314	-3,807	318	-3,944	298	-7,751	416	-36,630	1,459
Cut	-1,833	373	-19	14	-2	2	-1,854	374	-8	8	-136	140	-10,610	1,240	-1,380	347	-11,990	1,271	-13,988	1,332
Gross Growth	24,097	606	7,018	382	1,194	152	32,308	630	4,295	355	3,361	340	19,410	830	13,528	730	32,938	855	72,903	1,087
Net Live	6,651	1,119	-1,222	932	41	204	5,469	1,465	1,631	411	1,989	400	4,993	1,397	8,204	701	13,197	1,540	22,285	2,193
Standing Dead Change	2,676	718	1,522	658	78	142	4,277	983	-169	373	38	127	344	237	411	193	755	306	4,901	1,102
Dead Woody Debris Change	-988	528	426	392	98	119	-464	668	227	300	111	159	-1,520	529	68	349	-1,451	634	-1,577	981
Total Net ¹	10,507	1,150	745	782	166	241	11,418	1,395	1,983	660	2,592	465	5,215	1,857	10,543	895	15,758	2,040	31,751	2,586

¹ Total Net value includes change from roots and understory vegetation which are not enumerated in this table.

Table 4.7. Annual net emissions of non-CO₂ greenhouse gases from fire, 2001-2006 to 2011-2016: All California. CO₂ values are from table 4.6 and were used to calculate the other gases. See also Appendix 2, Table F1.

	Public						Private				Total		Total	
	National Forest		Other Federal		State and local govt.		Corporate		Non Corporate		Total	SE	Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Cut and Fire														
CO2	-768	361	--	--	-80	87	-1,344	520	-60	59	-1,404	523	-2,252	642
CH4	-25	12	--	--	-3	3	-43	17	-2	2	-45	17	-72	21
N2O	-16	8	--	--	-2	2	-28	11	-1	1	-30	11	-48	14
Fire														
CO2	-5,519	816	-577	466	-139	110	-324	164	-60	120	-384	203	-6,620	968
CH4	-177	26	-18	15	-4	4	-10	5	-2	4	-12	6	-212	31
N2O	-117	17	-12	10	-3	2	-7	3	-1	3	-8	4	-140	20
Total Fire														
CO2	-6,288	891	-577	466	-219	138	-1,669	544	-120	159	-1,788	567	-8,872	1,163
CH4	-201	29	-18	15	-7	4	-53	17	-4	5	-57	18	-284	37
N2O	-133	19	-12	10	-5	3	-35	11	-3	3	-38	12	-187	25

Table 4.8: Annual change in forest land area to/from other IPCC landuse classes in California, 2001-6 to 2011-16. See also Appendix 2, Table E1.

	Timberland		Other forest		Reserved		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE
<i>Acres per year</i>								
Forest to nonforest:								
Cropland	1,212	931	2,979	1,427	--	--	4,191	1,704
Developed	8,612	2,018	7,062	1,970	549	329	16,223	2,836
Grassland	2,721	1,642	5,616	2,260	932	875	9,269	2,928
Other	--	--	--	--	359	373	359	373
Water	762	611	500	387	173	145	1,434	737
Total	13,307	2,847	16,156	3,357	2,013	1,020	31,476	4,514
Nonforest to forest:								
Cropland	300	183	--	--	--	--	300	183
Developed	4,066	1,118	1,072	400	80	63	5,219	1,189
Grassland	3,174	1,415	2,239	1,060	46	49	5,459	1,768
Other	--	--	141	146	--	--	141	146
Water	42	44	285	217	--	--	327	222
Total	7,583	1,817	3,737	1,162	126	80	11,446	2,155
Net change to forest land:								
Cropland	-912	949	-2,979	1,427	--	--	-3,891	1,714
Developed	-4,546	2,312	-5,990	2,002	-469	335	-11,004	3,081
Grassland	453	2,169	-3,377	2,487	-886	877	-3,810	3,416
Other	--	--	141	146	-359	373	-218	400
Water	-720	613	-215	444	-173	145	-1,107	770
Total	-5,725	3,390	-12,419	3,543	-1,886	1,023	-20,030	5,012

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table 4.9: Annual change in carbon pools due to change in land use between forest and nonforest in California, 2001-6 to 2011-16. See also Appendix 2, Table E2.

	Forest to nonforest		Nonforest to forest		Net change	
	Total	SE	Total	SE	Total	SE
Carbon pool	<i>Thousand metric tons CO2 equivalent per year</i>					
Live tree	-2,072	331	1,064	239	-1,008	409
Standing dead	-214	132	32	10	-182	133
Down wood	-235	58	59	25	-176	64
Understory veg	-310	50	127	24	-183	56
Soil*	0	0	0	0	0	0
All pools	-2,831	434	1,282	263	-1,549	509

* No changes in landuse involved cultivated land so soil organic carbon change was assumed to be zero (Ogle et al. 2003)

Table 4.10: Area of forest land remaining forest land by ownership group and region in California, 2007-2016

	Public		Private		All Ownerships	
	Total	SE	Total	SE	Total	SE
	<i>Thousand acres</i>					
Central Coast and Interior Ranges:						
Unreserved forest land	260	38	1,092	74	1,351	83
Reserved forest land	494	49	--	--	494	49
Total forest land	754	61	1,092	74	1,846	96
Central Valley:						
Unreserved forest land	4	3	79	20	83	20
Reserved forest land	6	5	--	--	6	5
Total forest land	10	6	79	20	89	21
Eastside:						
Unreserved forest land	2,021	102	532	56	2,553	116
Reserved forest land	296	43	--	--	296	43
Total forest land	2,316	109	532	56	2,849	123
Klamath Interior Coast Ranges:						
Unreserved forest land	3,216	119	2,893	121	6,109	169
Reserved forest land	1,782	87	--	--	1,782	87
Total forest land	4,998	142	2,893	121	7,891	186
North Coast:						
Unreserved forest land	145	29	2,225	102	2,371	105
Reserved forest land	329	42	--	--	329	42
Total forest land	474	48	2,225	102	2,699	111
Sierra Cascades:						
Unreserved forest land	6,715	150	5,223	146	11,937	207
Reserved forest land	3,219	115	--	--	3,219	115
Total forest land	9,934	177	5,223	146	15,156	226
South Coast Mountains and Deserts:						
Unreserved forest land	599	57	288	40	888	70
Reserved forest land	465	53	--	--	465	53
Total forest land	1,064	78	288	40	1,353	87
All California:						
Unreserved forest land	12,960	150	12,332	153	25,292	203
Reserved forest land	6,591	135	--	--	6,591	135
Total forest land	19,550	161	12,332	153	31,882	201

Table 4.11: Area of forest land by forest type, owner group and forest land status, 2007-2016: All California. See also Appendix 2, Table A17.

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	4,191	121	1,031	69	68	20	446	47	30	13	50	17	1,662	90	--	--	509	53	3	3	7,990	173
Douglas-fir	157	29	174	32	19	11	51	18	24	12	30	14	342	44	--	--	336	43	--	--	1,133	79
Fir / spruce / mountain hemlock	1,107	75	463	51	6	6	193	33	10	8	11	8	189	32	--	--	71	21	--	--	2,049	104
Western Hemlock / Sitka spruce	--	--	--	--	--	--	1	1	1	1	1	1	28	14	--	--	7	7	--	--	39	15
Lodgepole pine	228	36	485	50	--	--	233	36	9	8	6	6	31	14	--	--	35	15	--	--	1,026	74
Pinyon / juniper	11	8	717	60	--	--	563	56	--	--	82	22	--	--	44	17	--	--	121	26	1,537	91
Ponderosa pine	1,245	76	228	36	34	14	37	14	4	4	18	10	461	50	4	3	325	42	2	2	2,357	108
Redwood	3	3	17	10	--	--	31	14	38	15	65	19	379	47	--	--	219	35	--	--	753	64
Western white pine	30	13	123	27	--	--	13	9	--	--	--	--	--	--	--	--	--	--	--	--	166	31
Other western softwoods	166	30	919	70	24	11	480	50	--	--	31	14	24	12	73	21	43	16	296	42	2,054	105
Total	7,136	130	4,157	117	150	30	2,048	90	116	25	292	39	3,116	113	122	27	1,544	88	421	49	19,103	219
Hardwoods:																						
Alder / maple	27	12	16	9	12	7	28	13	--	--	7	6	87	22	1	1	34	14	17	8	229	35
Aspen / birch	13	8	44	15	--	--	9	7	--	--	1	1	4	4	--	--	--	--	--	--	71	19
Elm / ash / cottonwood	--	--	5	5	--	--	1	1	--	--	8	6	--	--	3	2	--	--	15	8	32	11
Tanoak / laurel	203	34	220	36	13	8	59	19	11	8	150	30	505	54	28	12	546	56	100	24	1,835	99
Western oak	905	70	1,541	90	103	25	528	52	18	10	445	45	374	47	662	60	583	57	3,639	122	8,799	191
Woodland hardwoods	28	13	92	22	--	--	63	19	--	--	14	9	--	--	--	--	--	--	30	12	227	35
Exotic hardwoods	--	--	--	--	2	2	--	--	--	--	--	--	--	--	--	--	--	--	3	2	5	3
Other hardwoods	130	27	82	22	11	8	29	13	4	4	40	16	57	17	3	3	90	23	95	22	540	55
Total	1,306	82	2,000	100	141	28	716	61	34	13	666	55	1,028	74	697	61	1,253	81	3,898	125	11,738	212
Nonstocked	418	47	277	40	3	2	84	22	--	--	7	5	198	31	7	7	25	10	24	10	1,042	74
All forest types	8,860	121	6,434	131	294	41	2,848	97	150	28	965	62	4,342	122	825	67	2,821	113	4,344	132	31,882	201

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table 4.12. Forest land carbon stock by ownership and land status, 2007-2016: All California; table derived from Appendix 2, C tables.

	Live trees				Dead trees				Understory vegetation				Down wood		Soil		Total C		Acres			
	Aboveground		Belowground		Aboveground		Belowground		Aboveground		Belowground		Total	SE	Total	SE	Total	SE	Total	SE		
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
<i>Million metric tons C</i>																					<i>Thousand acres</i>	
National Forests																						
Timberland	385.06	8.10	73.14	1.56	38.82	1.83	9.10	0.41	7.80	0.16	0.87	0.02	38.85	1.12	159.34	2.26	712.97	12.43	8,859.94	120.77		
Other forest	25.06	2.01	4.97	0.40	2.15	0.27	0.54	0.07	4.19	0.19	0.47	0.02	4.01	0.35	32.63	1.43	74.02	3.88	2,376.05	98.67		
Reserved - productive	130.85	6.15	24.55	1.14	18.27	1.36	4.21	0.30	2.35	0.10	0.26	0.01	13.19	0.84	48.67	1.60	242.35	9.37	2,770.15	89.74		
Reserved - other	17.74	1.72	3.56	0.34	2.26	0.33	0.55	0.08	1.77	0.12	0.20	0.01	2.96	0.31	18.15	1.14	47.18	3.34	1,287.43	76.95		
Total	558.71	9.02	106.22	1.71	61.49	2.25	14.40	0.50	16.11	0.24	1.79	0.03	59.02	1.38	258.79	2.30	1,076.52	12.98	15,293.57	122.83		
Other Federal																						
Timberland	10.83	2.15	2.22	0.45	0.36	0.10	0.10	0.03	0.35	0.05	--	--	0.78	0.15	4.69	0.69	19.36	3.33	294.12	41.28		
Other forest	7.50	0.93	1.49	0.19	0.39	0.08	0.10	0.02	2.07	0.16	0.23	0.02	1.11	0.14	15.00	1.08	27.90	2.14	1,084.83	74.01		
Reserved - productive	64.14	5.85	11.67	1.02	8.54	0.91	1.89	0.20	0.81	0.06	0.09	0.01	6.67	0.67	19.60	1.19	113.42	8.84	1,059.65	62.26		
Reserved - other	8.31	1.25	1.66	0.25	0.72	0.14	0.18	0.04	1.00	0.09	0.11	0.01	1.74	0.32	9.52	0.87	23.24	2.55	703.38	61.68		
Total	90.78	6.00	17.04	1.07	10.01	0.91	2.27	0.21	4.23	0.18	0.47	0.02	10.30	0.73	48.82	1.66	183.92	9.09	3,141.98	100.18		
State and Local Government																						
Timberland	10.81	2.36	2.05	0.44	0.45	0.17	0.12	0.03	0.14	0.03	--	--	0.76	0.26	2.66	0.51	17.00	3.57	149.77	28.03		
Other forest	2.86	0.67	0.58	0.14	0.08	0.03	--	--	0.31	0.05	--	--	0.31	0.10	2.25	0.38	6.44	1.24	194.88	32.59		
Reserved - productive	33.75	6.72	6.37	1.23	1.30	0.28	0.35	0.07	0.37	0.05	--	--	2.30	0.39	5.27	0.60	49.75	8.74	323.23	35.40		
Reserved - other	8.07	1.35	1.52	0.26	0.38	0.11	0.10	0.03	0.69	0.07	0.08	0.01	0.71	0.14	5.24	0.56	16.79	2.19	446.76	46.07		
Total	55.49	6.51	10.52	1.18	2.22	0.32	0.59	0.08	1.50	0.09	0.17	0.01	4.08	0.45	15.42	0.86	89.99	8.46	1,114.65	61.91		
Total Public																						
Timberland	406.70	8.62	77.41	1.66	39.63	1.84	9.32	0.41	8.28	0.17	0.92	0.02	40.39	1.15	166.68	2.39	749.33	13.21	9,303.83	128.92		
Other forest	35.43	2.31	7.04	0.47	2.62	0.28	0.67	0.07	6.57	0.25	0.73	0.03	5.43	0.39	49.88	1.83	108.36	4.60	3,655.76	127.17		
Reserved - productive	228.75	10.82	42.60	1.96	28.11	1.66	6.44	0.37	3.52	0.12	0.39	0.01	22.17	1.14	73.55	2.08	405.53	15.55	4,153.04	114.51		
Reserved - other	34.11	2.52	6.74	0.50	3.35	0.38	0.83	0.09	3.46	0.17	0.38	0.02	5.41	0.47	32.91	1.54	87.20	4.73	2,437.57	108.68		
Total	704.99	12.27	133.79	2.27	73.72	2.44	17.26	0.55	21.83	0.31	2.43	0.03	73.39	1.60	323.03	2.80	1,350.43	17.21	19,550.20	160.76		
Private Corporate																						
Timberland	158.16	6.12	30.40	1.18	8.35	0.68	2.23	0.18	4.76	0.17	0.53	0.02	24.05	1.16	77.24	2.30	305.70	10.16	4,341.81	122.01		
Other forest	13.03	1.41	2.46	0.26	0.45	0.09	0.11	0.02	1.31	0.11	0.15	0.01	1.09	0.16	9.95	0.83	28.55	2.55	825.07	67.11		
Reserved - productive	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Reserved - other	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total	171.19	6.22	32.85	1.20	8.80	0.69	2.34	0.18	6.07	0.20	0.67	0.02	25.15	1.17	87.18	2.40	334.24	10.34	5,166.88	135.35		
Private Noncorporate																						
Timberland	132.53	6.77	26.03	1.32	4.58	0.41	1.17	0.10	3.09	0.14	0.34	0.02	11.49	0.73	44.03	1.85	223.26	10.41	2,821.23	112.79		
Other forest	57.43	2.51	11.11	0.49	2.09	0.20	0.55	0.05	6.93	0.22	0.77	0.02	5.32	0.34	51.63	1.63	135.82	4.67	4,344.02	132.03		
Reserved - productive	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Reserved - other	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total	189.96	6.97	37.14	1.36	6.66	0.45	1.72	0.11	10.03	0.25	1.11	0.03	16.80	0.80	95.66	2.34	359.08	10.89	7,165.24	162.12		
Total Private																						
Timberland	290.68	7.40	56.42	1.44	12.93	0.77	3.40	0.20	7.85	0.18	0.87	0.02	35.54	1.23	121.27	2.21	528.96	11.17	7,163.04	118.99		
Other forest	70.46	2.78	13.56	0.54	2.54	0.22	0.66	0.05	8.24	0.23	0.92	0.03	6.41	0.37	61.57	1.74	164.37	5.08	5,169.09	140.08		
Reserved - productive	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Reserved - other	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total	361.15	7.34	69.99	1.42	15.47	0.79	4.05	0.21	16.09	0.26	1.79	0.03	41.95	1.26	182.84	2.45	693.33	10.98	12,332.12	152.92		
All Ownerships																						
Timberland	697.38	11.17	133.84	2.16	52.56	1.98	12.71	0.46	16.13	0.24	1.79	0.03	75.93	1.68	287.95	3.14	1,278.29	16.87	16,466.87	168.32		
Other forest	105.89	3.60	20.60	0.71	5.16	0.36	1.32	0.09	14.81	0.34	1.65	0.04	11.83	0.53	111.46	2.50	272.73	6.80	8,824.84	186.59		
Reserved - productive	228.75	10.82	42.60	1.96	28.11	1.66	6.44	0.37	3.52	0.12	0.39	0.01	22.17	1.14	73.55	2.08	405.53	15.55	4,153.04	114.51		
Reserved - other	34.11	2.52	6.74	0.50	3.35	0.38	0.83	0.09	3.46	0.17	0.38	0.02	5.41	0.47	32.91	1.54	87.20	4.73	2,437.57	108.68		
Total	1,066.14	13.87	203.78	2.60	89.18	2.56	21.31	0.58	37.93	0.39	4.21	0.04	115.34	2.01	505.87	3.42	2,043.75	19.43	31,882.32	201.25		

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO2e)

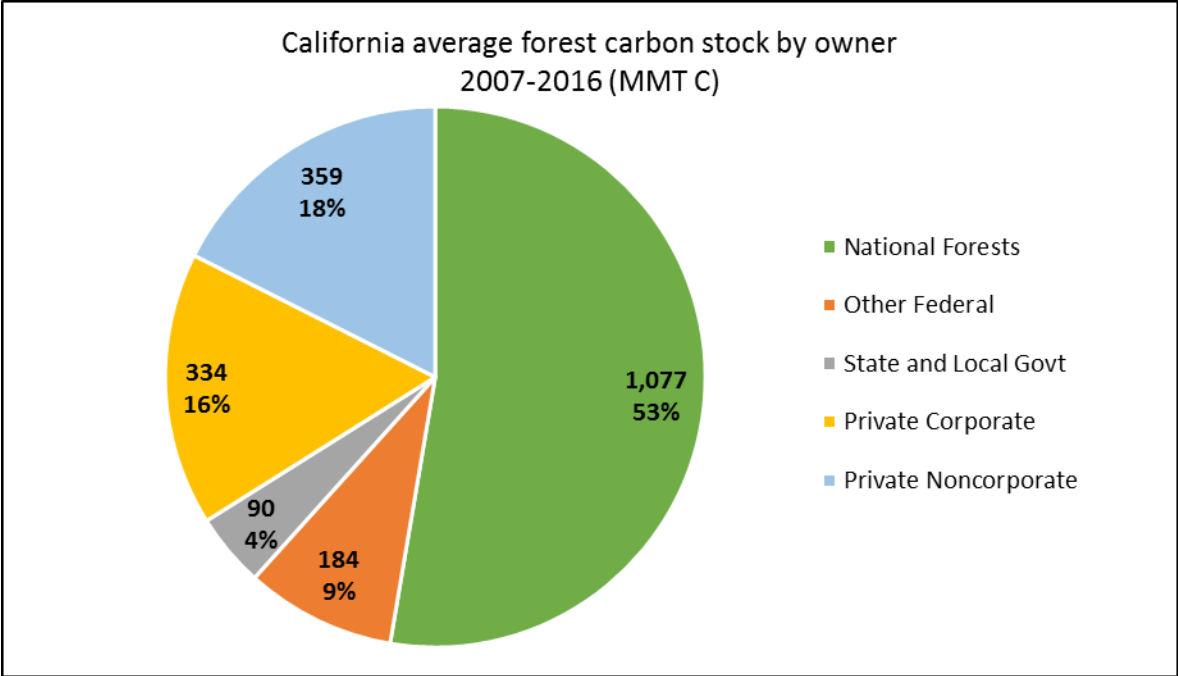


Figure 4.8. California statewide average forest carbon stock by owner, 2007-2016 (MMT C). Figure derived from Table 4.12.

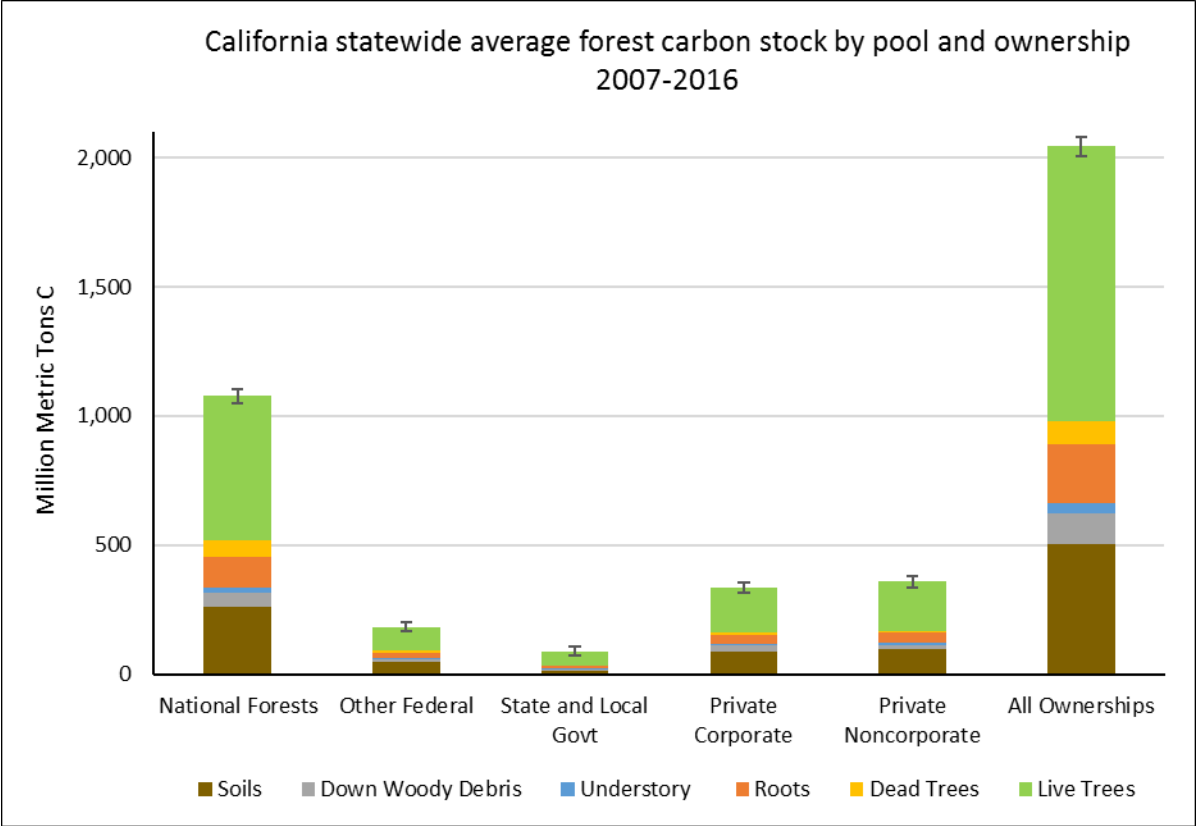


Figure 4.9. California statewide average forest carbon stock by pool and ownership, 2007-2016 (MMT C). Error bars represent 95% interval of estimated total stock for each ownership. Figure derived from table 4.12.

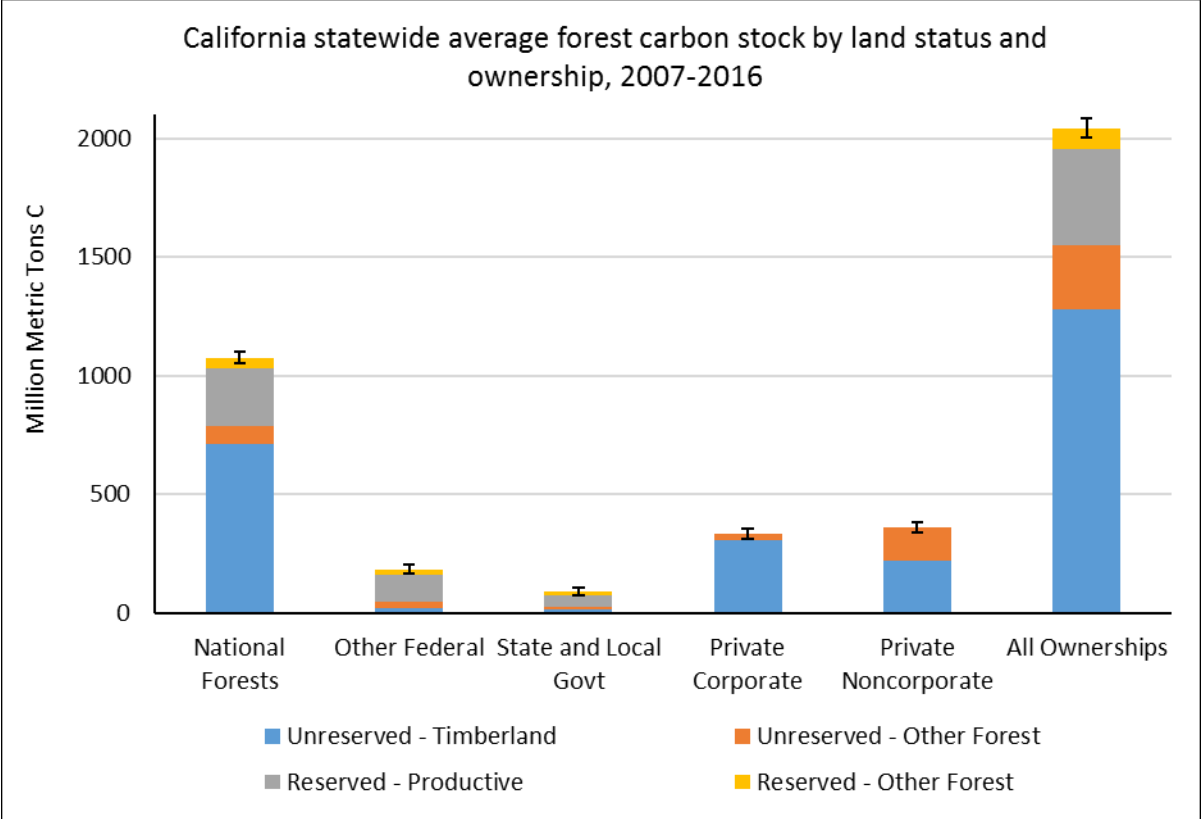


Figure 4.10. California statewide average forest carbon stock by land status and ownership, 2007-2016 (MMT C). Error bars represent 95% confidence interval of estimated total stock for each ownership.

Table 4.13: Forest land carbon stocks by ownership and pool, 2007-2016: All California; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	312.19	12.81	38.74	2.04	7.76	0.21	27.58	1.20	106.46	2.25	492.73	15.52	6,590.61	134.75
Public unreserved	526.58	10.10	52.24	2.25	16.50	0.31	45.81	1.18	216.56	2.59	857.70	12.87	12,959.59	150.06
Private corporate	204.04	7.42	11.14	0.87	6.74	0.22	25.15	1.17	87.18	2.40	334.24	10.34	5,166.88	135.35
Private noncorporate	227.10	8.32	8.38	0.56	11.14	0.27	16.80	0.80	95.66	2.34	359.08	10.89	7,165.24	162.12
Total	1,269.91	16.44	110.49	3.12	42.14	0.43	115.34	2.01	505.87	3.42	2,043.75	19.43	31,882.32	201.25

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO2e)

Table 4.14: Forest land carbon stocks by ownership and pool, 2007-2016: Central Coast and Interior Ranges; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	23.31	4.51	1.15	0.34	0.80	0.08	1.22	0.27	6.07	0.64	32.54	5.27	494.44	49.37
Public unreserved	4.61	1.32	0.18	0.05	0.45	0.07	0.40	0.12	3.01	0.45	8.65	1.76	259.80	37.67
Private corporate	7.53	1.74	0.20	0.06	0.29	0.05	0.53	0.18	2.20	0.39	10.75	2.25	182.15	31.28
Private noncorporate	30.49	3.79	1.17	0.22	1.45	0.11	1.91	0.29	11.32	0.89	46.34	4.92	909.50	68.09
Total	65.93	6.28	2.70	0.41	3.00	0.16	4.05	0.44	22.61	1.23	98.29	7.74	1,845.88	95.84

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.15: Forest land carbon stocks by ownership and pool, 2007-2016: Central Valley; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	0.19	0.18	--	--	--	--	--	--	0.12	0.11	0.34	0.31	5.63	4.70
Public unreserved	0.10	0.09	--	--	--	--	--	--	--	--	0.17	0.14	4.40	3.07
Private corporate	0.13	0.12	--	--	--	--	--	--	0.08	0.07	0.22	0.20	6.83	6.19
Private noncorporate	1.12	0.43	--	--	0.12	0.03	0.07	0.03	0.88	0.25	2.22	0.72	71.71	19.08
Total	1.53	0.49	0.05	0.03	0.15	0.04	0.09	0.04	1.13	0.28	2.95	0.82	88.58	20.82

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.16: Forest land carbon stocks by ownership and pool, 2007-2016: Eastside; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	4.85	1.17	0.59	0.22	0.44	0.07	0.60	0.13	4.20	0.64	10.67	1.95	295.57	43.01
Public unreserved	23.65	1.93	1.94	0.33	3.95	0.24	3.41	0.30	33.59	1.75	66.54	3.88	2,020.53	101.66
Private corporate	3.33	0.70	0.27	0.12	0.49	0.08	0.70	0.15	5.00	0.75	9.79	1.55	278.61	41.14
Private noncorporate	2.61	0.58	0.08	0.02	0.54	0.10	0.31	0.09	4.72	0.74	8.25	1.36	253.87	39.09
Total	34.44	2.45	2.88	0.42	5.41	0.28	5.01	0.37	47.50	2.13	95.24	4.80	2,848.58	123.10

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO2e)

Table 4.17: Forest land carbon stocks by ownership and pool, 2007-2016: Klamath Interior Coast Ranges; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	97.14	7.11	14.16	1.48	2.10	0.12	8.11	0.68	29.53	1.48	151.04	9.19	1,781.89	86.59
Public unreserved	183.04	8.62	18.07	1.60	3.59	0.15	14.15	0.79	53.00	2.03	271.84	11.63	3,215.83	119.14
Private corporate	39.24	3.45	2.28	0.44	1.51	0.12	5.35	0.57	18.06	1.31	66.44	5.16	1,149.47	79.87
Private noncorporate	58.94	4.60	1.96	0.27	2.68	0.15	4.08	0.39	22.56	1.31	90.23	6.16	1,743.57	96.31
Total	378.35	12.29	36.47	2.23	9.89	0.27	31.70	1.23	123.15	3.01	579.55	16.40	7,890.75	186.09

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.18: Forest land carbon stocks by ownership and pool, 2007-2016: North Coast; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	38.93	8.78	2.53	0.65	0.48	0.07	2.22	0.44	4.91	0.66	49.08	9.89	328.64	42.19
Public unreserved	12.01	3.08	0.43	0.13	0.19	0.04	0.71	0.26	2.43	0.50	15.76	3.80	145.29	28.95
Private corporate	79.60	6.10	4.92	0.67	1.68	0.11	9.78	0.97	21.77	1.55	117.75	8.51	1,239.24	80.57
Private noncorporate	66.17	5.95	2.08	0.30	1.42	0.11	4.43	0.50	13.70	1.07	87.81	7.46	986.12	73.10
Total	196.71	11.97	9.96	0.98	3.77	0.16	17.14	1.17	42.82	1.93	270.40	14.59	2,699.29	111.28

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.19: Forest land carbon stocks by ownership and pool, 2007-2016: Sierra Cascades; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	142.78	7.63	18.76	1.36	3.19	0.15	14.35	0.97	55.76	2.05	234.84	10.75	3,219.12	115.16
Public unreserved	296.31	9.37	30.45	1.76	7.32	0.22	26.01	1.03	117.04	2.66	477.14	12.92	6,714.59	149.75
Private corporate	73.95	4.63	3.45	0.38	2.69	0.16	8.76	0.57	39.53	1.90	128.39	6.89	2,263.52	106.59
Private noncorporate	64.01	3.67	2.63	0.30	4.52	0.20	5.42	0.44	39.74	1.69	116.31	5.61	2,959.11	119.02
Total	577.05	12.58	55.29	2.23	17.72	0.34	54.54	1.54	252.07	3.86	956.68	17.58	15,156.34	225.51

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.20: Forest land carbon stocks by ownership and pool, 2007-2016: South Coast Mountains and Deserts; Compare to appendix 2, C tables.

	Live Trees		Dead Trees		Understory		Down wood		Soil		Total C		Acres	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>													
Public reserved	5.01	1.02	1.54	0.42	0.74	0.09	1.07	0.20	5.87	0.69	14.22	1.95	465.32	53.01
Public unreserved	6.86	1.11	1.16	0.30	0.99	0.10	1.14	0.18	7.45	0.74	17.59	2.02	599.16	57.17
Private corporate	0.27	0.18	--	--	0.08	0.03	--	--	0.54	0.20	0.91	0.37	47.06	17.23
Private noncorporate	3.76	0.94	0.43	0.15	0.41	0.06	0.59	0.18	2.73	0.42	7.92	1.48	241.36	36.50
Total	15.90	1.78	3.13	0.54	2.21	0.15	2.81	0.32	16.58	1.10	40.64	3.18	1,352.90	87.20

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO2e)

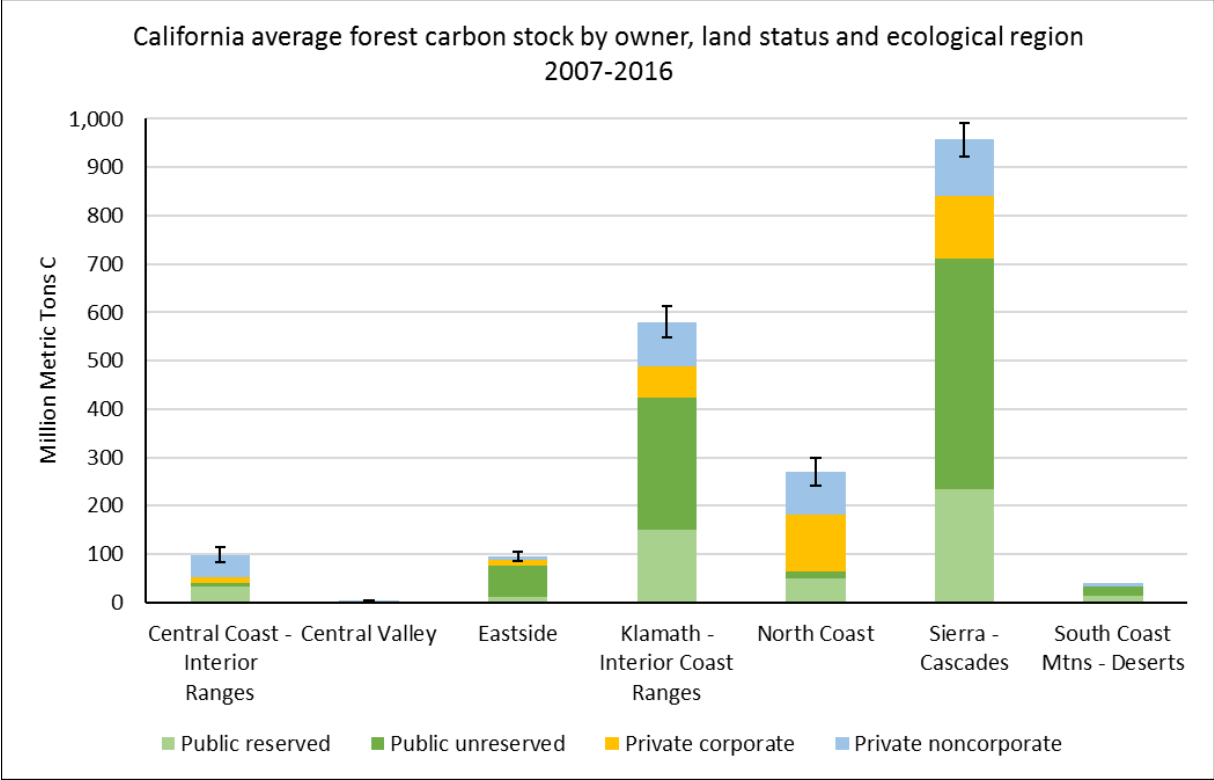


Figure 4.11. Average forest carbon stock by owner, land status and ecological region, 2007-2016 (MMT C). Error bars represent 95% confidence interval of estimated total stock for each ecological region.

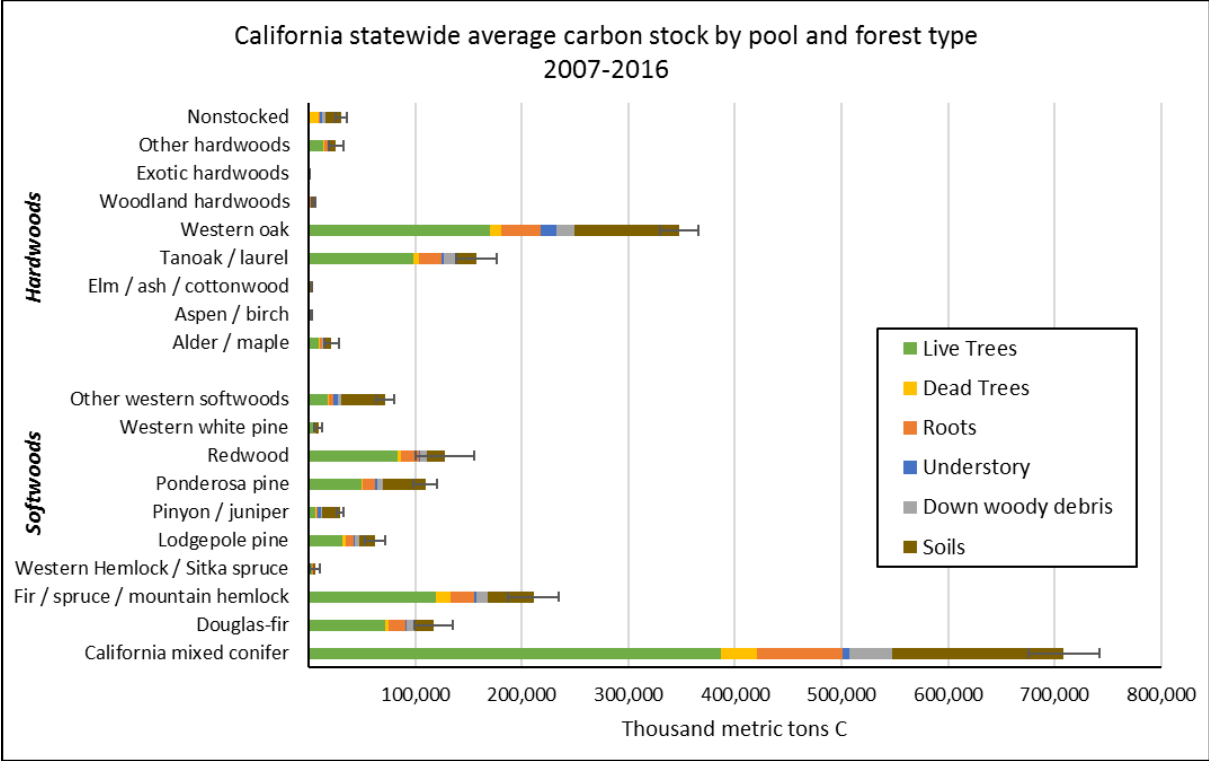


Figure 4.12. California statewide average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table 4.21; compare to Appendix 2, D tables.

Table 4.21: Forest land carbon stocks by forest type and pool, 2007-2016: All California; Compare to Appendix 2, D tables.

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand metric tons C</i>														
Softwoods:														
California mixed conifer	386,518	10,158	33,970	1,601	80,992	2,134	5,693	168	40,390	1,342	161,029	3,487	708,591	16,977
Douglas-fir	71,272	5,870	3,980	520	15,731	1,303	1,346	95	6,903	718	18,383	1,281	117,616	9,151
Fir / spruce / mountain hemlock	118,934	7,392	13,654	1,147	22,836	1,416	1,676	88	10,957	813	43,025	2,194	211,082	12,125
Western Hemlock / Sitka spruce	2,644	1,079	293	179	656	286	47	19	374	236	1,831	719	5,846	2,343
Lodgepole pine	31,411	2,723	3,455	410	7,279	625	795	72	4,351	525	14,618	1,061	61,909	4,916
Pinyon / juniper	6,344	554	475	64	1,441	121	2,756	163	1,935	225	16,391	968	29,341	1,832
Ponderosa pine	49,238	2,985	1,767	240	10,953	672	2,623	149	5,567	436	39,417	1,799	109,566	5,613
Redwood	83,540	10,107	3,254	586	16,423	1,920	785	69	7,258	938	16,379	1,391	127,639	14,013
Western white pine	3,677	846	557	144	836	190	169	39	414	111	3,286	622	8,940	1,802
Other western softwoods	17,682	1,607	1,276	191	3,678	362	4,699	282	3,106	330	41,406	2,118	71,846	4,107
Total	771,260	14,579	62,680	2,027	160,826	2,935	20,589	377	81,256	1,900	355,765	4,145	1,452,376	22,078
Hardwoods:														
Alder / maple	9,413	1,685	796	199	2,084	367	377	57	1,573	317	7,208	1,087	21,452	3,472
Aspen / birch	872	336	37	16	168	66	123	32	223	96	692	181	2,115	654
Elm / ash / cottonwood	683	330	31	19	129	65	54	19	56	27	722	256	1,674	688
Tanoak / laurel	98,087	6,377	5,735	745	20,273	1,315	2,977	161	9,800	760	20,481	1,103	157,352	9,580
Western oak	170,006	5,411	11,099	1,044	36,464	1,166	14,816	323	16,893	741	98,223	2,137	347,502	9,214
Woodland hardwoods	1,190	248	213	66	259	50	401	61	268	65	2,348	358	4,680	742
Exotic hardwoods	3	3	--	--		1	9	6	6	6	51	33	70	47
Other hardwoods	13,253	2,219	1,080	262	2,970	490	929	95	1,763	276	5,592	567	25,587	3,467
Total	293,507	8,291	18,991	1,313	62,347	1,751	19,686	357	30,582	1,114	135,318	2,546	560,431	13,203
Nonstocked	1,368	305	7,511	1,292	1,914	297	1,868	133	3,499	451	14,785	1,057	30,944	2,725
All forest types	1,066,135	13,874	89,182	2,556	225,087	2,758	42,143	430	115,337	2,007	505,868	3,423	2,043,752	19,430

Note: Totals may be off because of rounding

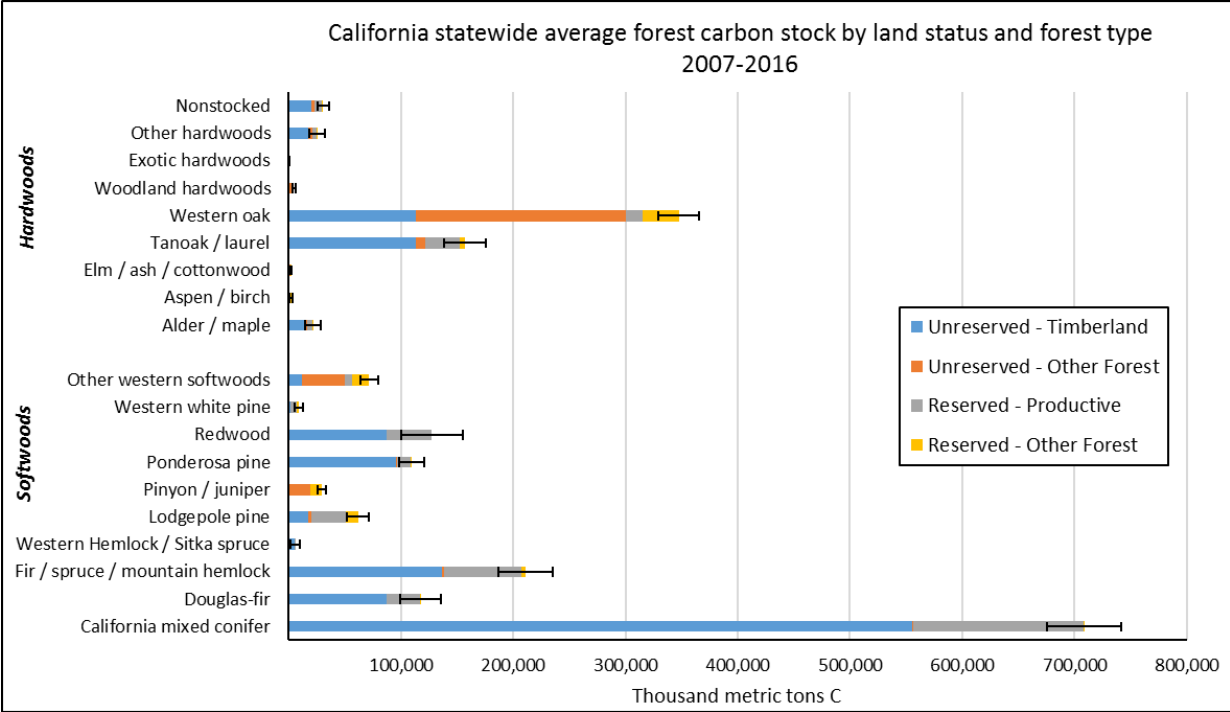


Figure 4.13. California statewide average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table 4.22; compare to Appendix 2, D tables.

Table 4.22: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: All California; Compare to Appendix 2, D tables.

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	555,470	14,814	851	456	151,307	9,474	962	820	708,591	16,977
Douglas-fir	86,912	7,539	479	483	29,271	5,255	955	440	117,616	9,151
Fir / spruce / mountain hemlock	136,534	9,276	1,975	923	68,930	7,739	3,643	1,338	211,082	12,125
Western Hemlock / Sitka spruce	5,608	2,332	--	--	238	238	--	--	5,846	2,343
Lodgepole pine	17,472	2,615	2,693	1,040	30,843	3,760	10,900	1,972	61,909	4,916
Pinyon / juniper	257	187	19,013	1,445	58	89	10,013	1,151	29,341	1,832
Ponderosa pine	95,187	5,191	1,675	595	11,459	2,065	1,245	511	109,566	5,613
Redwood	87,079	8,778	--	--	40,560	11,099	--	--	127,639	14,013
Western white pine	1,648	724	--	--	5,292	1,469	2,000	755	8,940	1,802
Other western softwoods	11,773	2,113	37,983	2,503	6,812	1,543	15,278	2,084	71,846	4,107
Total	997,939	17,763	64,670	3,218	344,772	15,599	44,995	3,423	1,452,376	22,078
Hardwoods:										
Alder / maple	14,719	2,802	1,641	629	4,474	1,901	618	460	21,452	3,472
Aspen / birch	718	385	458	199	44	49	895	487	2,115	654
Elm / ash / cottonwood	--	--	1,216	594	14	14	444	347	1,674	688
Tanoak / laurel	113,623	8,073	8,017	1,820	30,486	4,737	5,226	1,729	157,352	9,580
Western oak	112,929	6,702	187,171	5,865	15,450	2,491	31,953	2,811	347,502	9,214
Woodland hardwoods	674	320	3,128	593	--	--	878	313	4,680	742
Exotic hardwoods	38	38	32	27	--	--	--	--	70	47
Other hardwoods	17,810	3,032	3,285	598	3,941	1,590	550	298	25,587	3,467
Total	260,511	10,741	204,947	6,168	54,409	5,761	40,565	3,389	560,431	13,203
Nonstocked	19,841	2,232	3,113	577	6,349	1,384	1,641	478	30,944	2,725
All forest types	1,278,291	16,873	272,730	6,795	405,530	15,548	87,201	4,732	2,043,752	19,430

Note: Totals may be off because of rounding

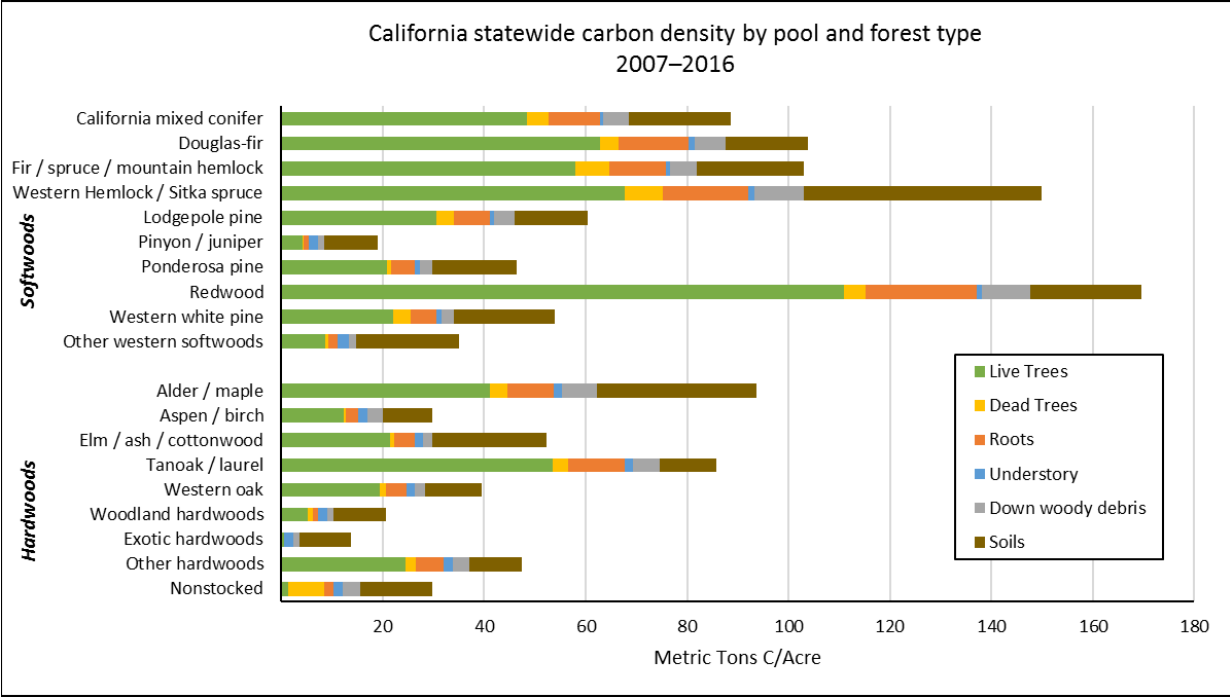


Figure 4.14. California statewide carbon density by pool and forest type, 2007-2016 (metric tons C/acre).

Table 4.23: Aboveground live carbon (C) stocks on forest land by ownership, 2007-2016. Compare to Table 4.12; Appendix 2, Tables C1 and C19.

	Public						Private				All ownerships	
	National Forest		Other Federal		State and local govt.		Corporate		Non Corporate			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>											
Live trees	558.71	9.02	90.78	6.00	55.49	6.51	171.19	6.22	189.96	6.97	1,066.14	13.87
Live understory	16.11	0.24	4.23	0.18	1.50	0.09	6.07	0.20	10.03	0.25	37.93	0.39

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.24: Aboveground average annual live carbon flux (CO2e) on forest land by ownership, 2001-2006 to 2011-2016. Compare to table 4.3 and Appendix 2, Table B1.

	Public						Private				Total			
	National forest		Other federal		State and local govt.		Corporate		Non Corporate		Total		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million Metric Tons CO2 Equivalent Per Year</i>													
Live trees	5.47	1.46	1.63	0.41	1.99	0.40	4.99	1.40	8.20	0.70	13.20	1.54	22.29	2.19
Foliage	0.37	0.07	0.08	0.02	0.09	0.02	0.28	0.07	0.36	0.03	0.64	0.08	1.18	0.11
Live understory	-0.07	0.06	0.00	0.03	-0.02	0.01	0.04	0.05	-0.05	0.02	-0.01	0.05	-0.10	0.08

Table 4.25: Belowground live and dead carbon (C) stocks on forest land by ownership, 2007-2016. Compare to Table 4.12; Appendix 2, Tables C28, C36 and C45.

	Public						Private				All ownerships	
	National Forest		Other Federal		State and local govt.		Corporate		Non Corporate			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>											
Live tree roots	106.22	1.71	17.04	1.07	10.52	1.18	32.85	1.20	37.14	1.36	203.78	2.60
Dead tree roots	14.40	0.50	2.27	0.21	0.59	0.08	2.34	0.18	1.72	0.11	21.31	0.58
Understory roots	1.79	0.03	0.47	0.02	0.17	0.01	0.67	0.02	1.11	0.03	4.21	0.04

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO2e)

Table 4.26: Belowground live and dead average annual carbon flux (CO₂e) on forest land by ownership, 2001-2006 to 2011-2016. Compare to table 4.3 and Appendix 2, Table B1.

	Public						Private				Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons CO₂ Equivalent</i>											
Live tree roots	1.23	0.29	0.28	0.09	0.38	0.08	1.06	0.29	1.52	0.14	4.47	0.44
Dead tree roots	0.62	0.20	-0.07	0.07	0.01	0.04	0.01	0.06	0.03	0.05	0.60	0.23
Understory roots	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	-0.01	0.01

Note: Totals may be off because of rounding

Table 4.27: Aboveground dead wood carbon (C) stocks on forest land by ownership, 2007-2016. Compare to Table 4.12; Appendix 2, Tables C10 and C62.

	Public						Private				All ownerships	
	National Forest		Other Federal		State and local govt.		Corporate		Non Corporate			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>											
Standing dead trees	61.49	2.25	10.01	0.91	2.22	0.32	8.80	0.69	6.66	0.45	89.18	2.56
Down woody material	59.02	1.38	10.30	0.73	4.08	0.45	25.15	1.17	16.80	0.80	115.34	2.01

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.28: Aboveground dead wood average annual carbon flux (CO₂e) on forest land by ownership, 2001-2006 to 2011-201. Compare to table 4.3 and Appendix 2, Table B1.

	Public						Private				Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons CO₂ Equivalent</i>											
Standing dead trees	4.28	0.98	-0.17	0.37	0.04	0.13	0.34	0.24	0.41	0.19	4.90	1.10
Down woody material	-0.46	0.67	0.23	0.30	0.11	0.16	-1.52	0.53	0.07	0.35	-1.58	0.98

Note: Totals may be of because of rounding

Table 4.29: Soil organic carbon (C) stocks on forest land by ownership, 2007-2016. Compare to Table 4.12; Appendix 2, Table C53.

	Public						Private				All ownerships	
	National Forest		Other Federal		State and local govt.		Corporate		Non Corporate		All ownerships	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C</i>											
Soil organic carbon	258.79	2.30	48.82	1.66	15.42	0.86	87.18	2.40	95.66	2.34	505.87	3.42

Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO2e)

Table 4.30: Soil organic carbon average annual flux (CO₂e) on forest land by ownership, 2001-2006 to 2011-2016. Compare to table 4.3 and Appendix 2, Table B1.

	Public						Private				Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons CO₂ Equivalent</i>											

Soil organic carbon	0.26	0.31	0.36	0.14	0.07	0.07	0.06	0.25	0.19	0.17	0.94	0.46
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Note: Totals may be off because of rounding

Table 4.31: Forest carbon pools by 10-year inventory period, 2001-2010 through 2007-2016. Compare to Appendix 2, C tables.

	Live Trees		Dead Trees		Down wood		Understory Vegetation		Belowground roots		Soil		Total carbon
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total
	<i>Million metric tons C¹</i>												
2001-2010	1025.37	14.01	79.36	2.35	115.75	1.86	44.56	0.43	216.81	2.78	513.38	3.31	1995.23
2002-2011	1034.66	14.11	81.70	2.38	115.87	1.92	44.13	0.43	218.97	2.80	510.42	3.31	2005.75
2003-2012	1035.28	13.52	83.22	2.41	115.56	1.94	43.74	0.44	218.76	2.70	512.17	3.40	2008.73
2004-2013	1045.40	13.67	83.54	2.43	115.36	1.95	43.02	0.44	220.58	2.72	508.29	3.41	2016.19
2005-2014	1054.90	13.63	84.43	2.46	115.76	1.99	42.62	0.43	222.54	2.72	507.04	3.42	2027.29
2006-2015	1061.82	13.73	86.00	2.48	116.10	2.00	42.32	0.43	224.02	2.74	506.04	3.42	2036.31
2007-2016	1066.14	13.87	89.18	2.56	115.34	2.01	42.14	0.43	225.09	2.76	505.87	3.42	2043.75

¹Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.32: Live tree carbon stocks by ownership and land status, 2001-2010 through 2007-2016. Compare to Appendix 2, C tables.

	Unreserved timberland						Reserved forest land		All forest land	
	Private - corporate		Private - noncorporate		National forests		National forests		All ownerships	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C¹</i>									
2001-2010	138.89	5.51	136.19	6.59	371.26	8.11	138.76	5.89	1,012.48	13.41
2002-2011	138.64	5.50	139.09	6.70	374.22	8.14	139.98	5.95	1,020.75	13.44
2003-2012	139.11	5.55	140.29	6.80	378.67	8.10	142.59	6.06	1,029.82	13.66
2004-2013	142.99	5.69	141.43	6.92	381.57	8.11	143.03	6.15	1,039.51	13.89
2005-2014	145.09	5.68	139.27	6.88	384.53	8.11	143.84	6.16	1,047.27	13.75
2006-2015	151.70	5.95	136.30	6.76	384.71	8.06	148.25	6.15	1,061.82	13.73
2007-2016	158.16	6.12	132.53	6.77	385.06	8.10	148.59	6.10	1,066.14	13.87

¹Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

Table 4.33: Forest carbon stocks by ownership and land status, 2001-2010 through 2007-2016. Compare to Appendix C tables.

	Unreserved timberland						Reserved forest land		All forest land	
	Private - corporate		Private - noncorporate		National forests		National forests		All ownerships	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Million metric tons C¹</i>									
2001-2010	276.88	9.52	239.52	10.31	691.70	12.48	268.85	9.02	1,983.00	19.04
2002-2011	275.71	9.52	243.22	10.48	696.92	12.53	271.00	9.10	1,991.84	19.10
2003-2012	277.09	9.57	243.53	10.58	703.74	12.50	275.70	9.19	2,001.82	19.37
2004-2013	282.09	9.74	242.25	10.66	706.65	12.52	277.22	9.27	2,007.46	19.63
2005-2014	285.67	9.73	237.48	10.63	710.87	12.48	277.99	9.31	2,014.67	19.54
2006-2015	295.90	9.98	231.09	10.45	711.21	12.38	287.06	9.17	2,036.31	19.30
2007-2016	305.70	10.16	223.26	10.41	712.97	12.43	289.53	9.07	2,043.75	19.43

¹Multiply carbon (C) by 3.667 to calculate equivalent carbon dioxide (CO₂e)

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Appendix 1: Forest carbon stock by forest type and region

A1.1 Central Coast and Interior Ranges

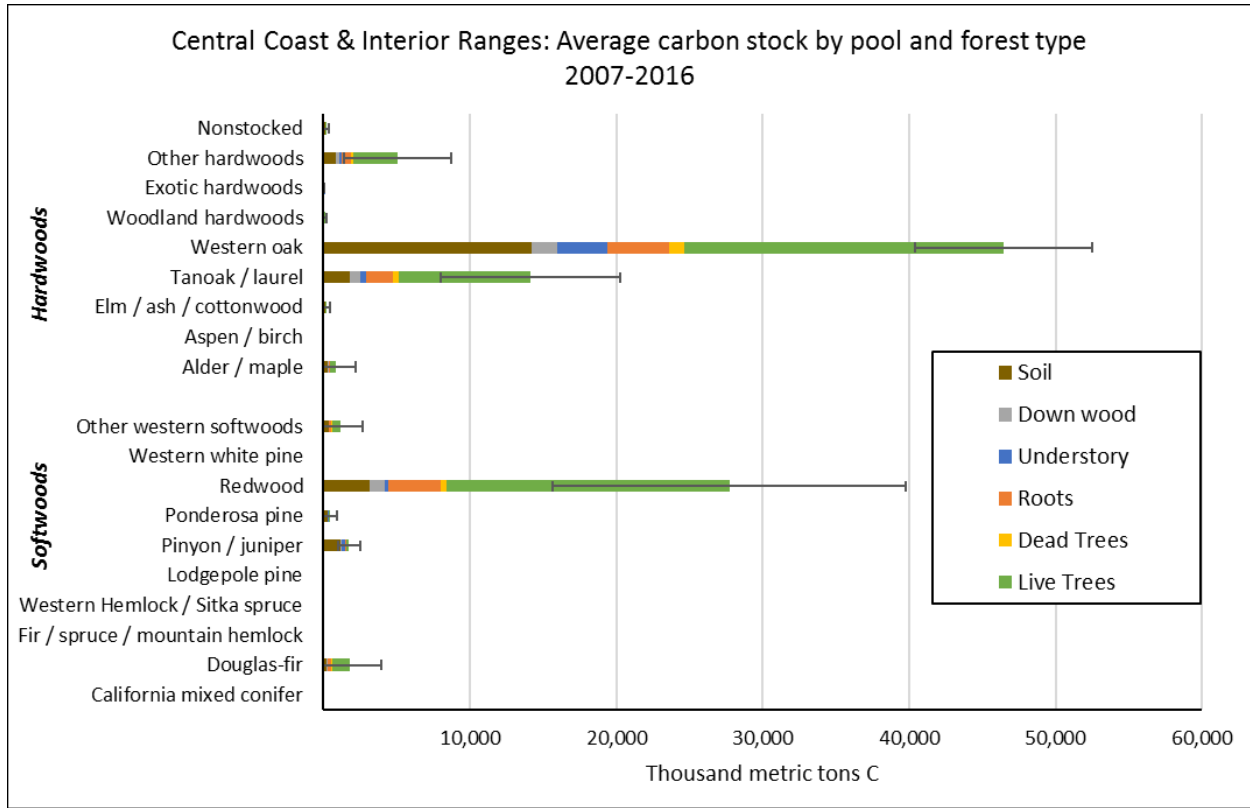


Figure A1.1.1. Central Coast and Interior Ranges: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.1.1.

Table A 1.1.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: Central Coast and Interior Ranges

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	1,198	760	5	3	252	164	21	12	48	32	251	158	1,771	1,121
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	191	57	10	4	40	11	269	55	38	20	1,187	272	1,666	386
Ponderosa pine	92	58	5	4	20	13	51	34	14	11	273	162	439	254
Redwood	19,277	4,424	460	145	3,576	808	193	38	1,069	305	3,145	635	27,663	6,168
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	543	438	55	38	142	114	18	13	38	28	338	211	1,133	803
Total	21,302	4,507	536	150	4,030	832	552	77	1,206	309	5,195	756	32,674	6,331
Hardwoods:														
Alder / maple	410	369	2	2	86	78	30	18	48	36	311	208	872	680
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	59	40	--	--	10	7	40	21	11	8	100	55	186	103
Tanoak / laurel	8,974	2,184	445	189	1,835	435	380	64	684	182	1,836	336	14,042	3,116
Western oak	21,803	1,742	1,019	223	4,267	331	3,380	199	1,817	221	14,187	880	45,236	3,084
Woodland hardwoods	8	8	21	21	5	4	25	18	8	8	32	22	80	58
Exotic hardwoods	--	--	--	--	--	--	18	15	--	--	27	22	32	27
Other hardwoods	3,049	1,291	128	68	624	263	190	47	275	110	816	220	5,026	1,875
Total	34,303	3,012	1,614	301	6,827	594	4,063	219	2,843	310	17,308	982	65,474	4,695
Nonstocked	18	18			4	4	28	18	5	4	104	75	145	108
All forest types	55,624	5,318	2,151	335	10,860	1,000	4,643	234	4,055	444	22,607	1,229	98,292	7,736

Note: Totals may be of because of rounding

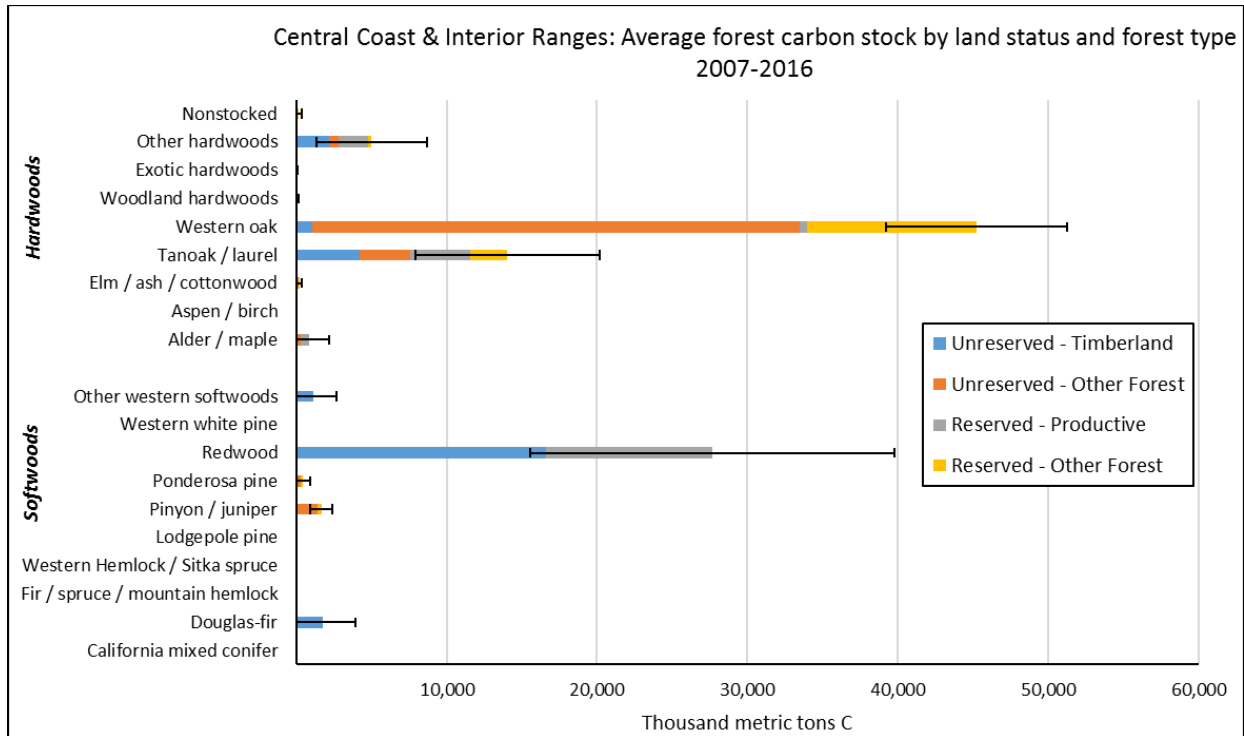


Figure A1.1.2. Central Coast and Interior Ranges: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.1.2.

Table A 1.1.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: Central Coast and Interior Ranges

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	--	--	--	--	--	--	--	--	--	--
Douglas-fir	1,771	1,121	--	--	--	--	--	--	1,771	1,121
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	1,433	360	--	--	234	139	1,666	386
Ponderosa pine	--	--	308	220	--	--	131	129	439	254
Redwood	16,643	4,226	--	--	11,020	4,354	--	--	27,663	6,168
Western white pine	--	--	--	--	--	--	--	--	--	--
Other western softwoods	1,133	803	--	--	--	--	--	--	1,133	803
Total	19,548	4,437	1,741	421	11,020	4,354	365	189	32,674	6,331
Hardwoods:										
Alder / maple	--	--	296	227	576	641	--	--	872	680
Aspen / birch	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	170	100	--	--	16	22	186	103
Tanoak / laurel	4,234	1,712	3,353	1,006	4,002	2,174	2,453	1,030	14,042	3,116
Western oak	1,086	642	32,387	2,577	477	362	11,286	1,604	45,236	3,084
Woodland hardwoods	--	--	--	--	--	--	80	58	80	58
Exotic hardwoods	--	--	32	27	--	--	--	--	32	27
Other hardwoods	2,168	1,354	632	288	2,004	1,315	222	131	5,026	1,875
Total	7,488	2,273	36,870	2,787	7,059	2,581	14,057	1,935	65,474	4,695
Nonstocked	--	--	102	101	--	--	43	36	145	108
All forest types	27,036	4,957	38,713	2,822	18,079	4,957	14,465	1,944	98,292	7,736

Note: Totals may be of because of rounding

A1.2 Central Valley

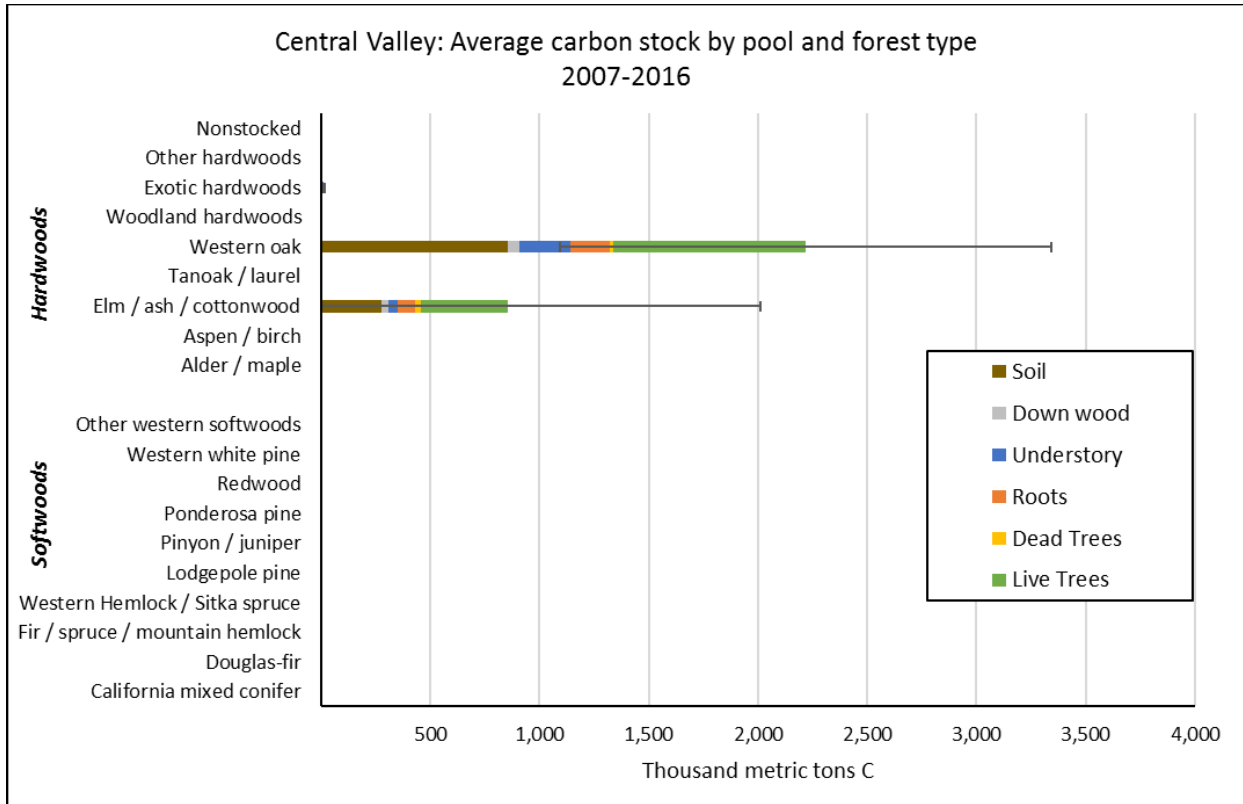


Figure A1.2.1. Central Valley: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.2.1.

Table A 1.2.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: Central Valley

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	397	298	26	19	81	60	42	22	31	24	277	178	832	589
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	882	282	16	10	180	56	234	51	55	27	852	215	2,115	574
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	12	12	--	--	1	1	1	1
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,280	410	42	22	260	82	288	56	86	36	1,130	279	2,948	822
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	1,280	410	42	22	260	82	288	56	86	36	1,130	279	2,948	822

Note: Totals may be off because of rounding

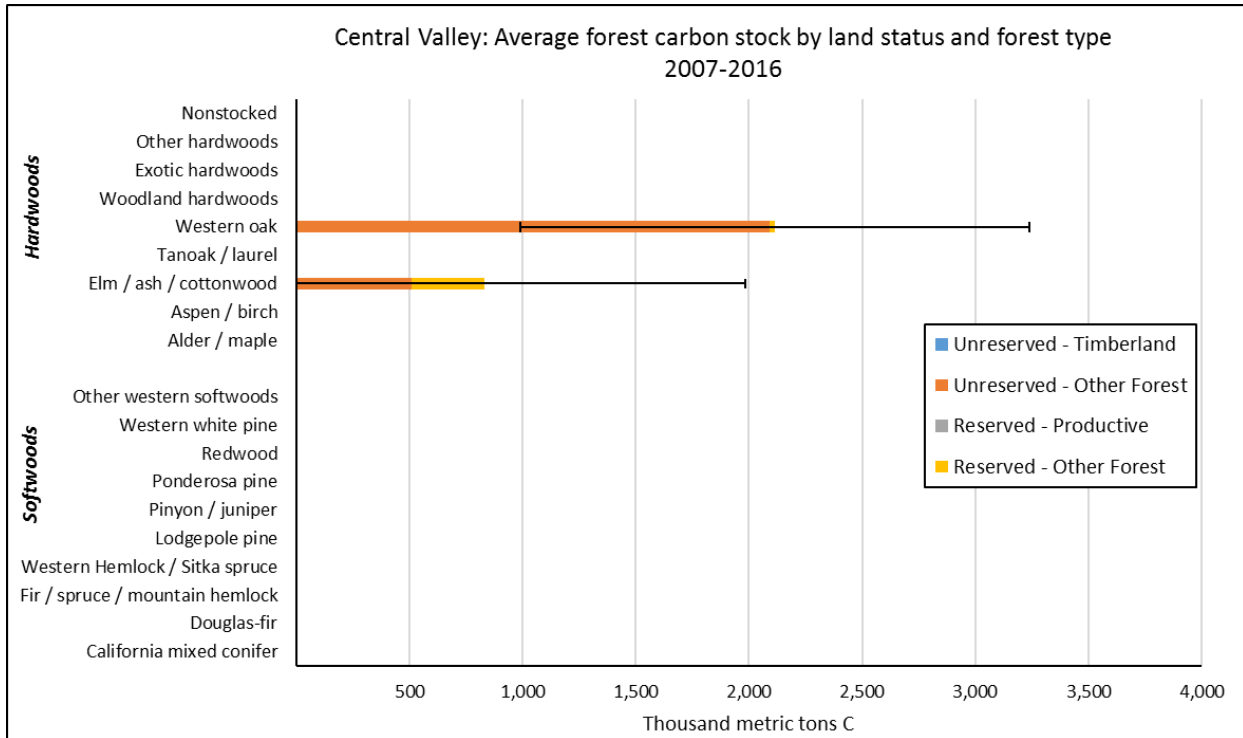


Figure A1.2.2. Central Valley: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.2.2.

Table A 1.2.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: Central Valley

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	--	--	--	--			--	--	--	--
Douglas-fir	--	--	--	--			--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--			--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--			--	--	--	--
Lodgepole pine	--	--	--	--			--	--	--	--
Pinyon / juniper	--	--	--	--			--	--	--	--
Ponderosa pine	--	--	--	--			--	--	--	--
Redwood	--	--	--	--			--	--	--	--
Western white pine	--	--	--	--			--	--	--	--
Other western softwoods	--	--	--	--			--	--	--	--
Total	--	--	--	--			--	--	--	--
Hardwoods:										
Alder / maple	--	--	--	--			--	--	--	--
Aspen / birch	--	--	--	--			--	--	--	--
Elm / ash / cottonwood	--	--	512	498			320	314	832	589
Tanoak / laurel	--	--	--	--			--	--	--	--
Western oak	--	--	2,091	573			24	24	2,115	574
Woodland hardwoods	--	--	--	--			--	--	--	--
Exotic hardwoods	1	1	--	--			--	--	1	1
Other hardwoods	--	--	--	--			--	--	--	--
Total	1	1	2,603	759			344	315	2,948	822
Nonstocked	--	--	--	--			--	--	--	--
All forest types	1	1	2,603	759			344	315	2,948	822

Note: Totals may be off because of rounding

A1.3 Eastside

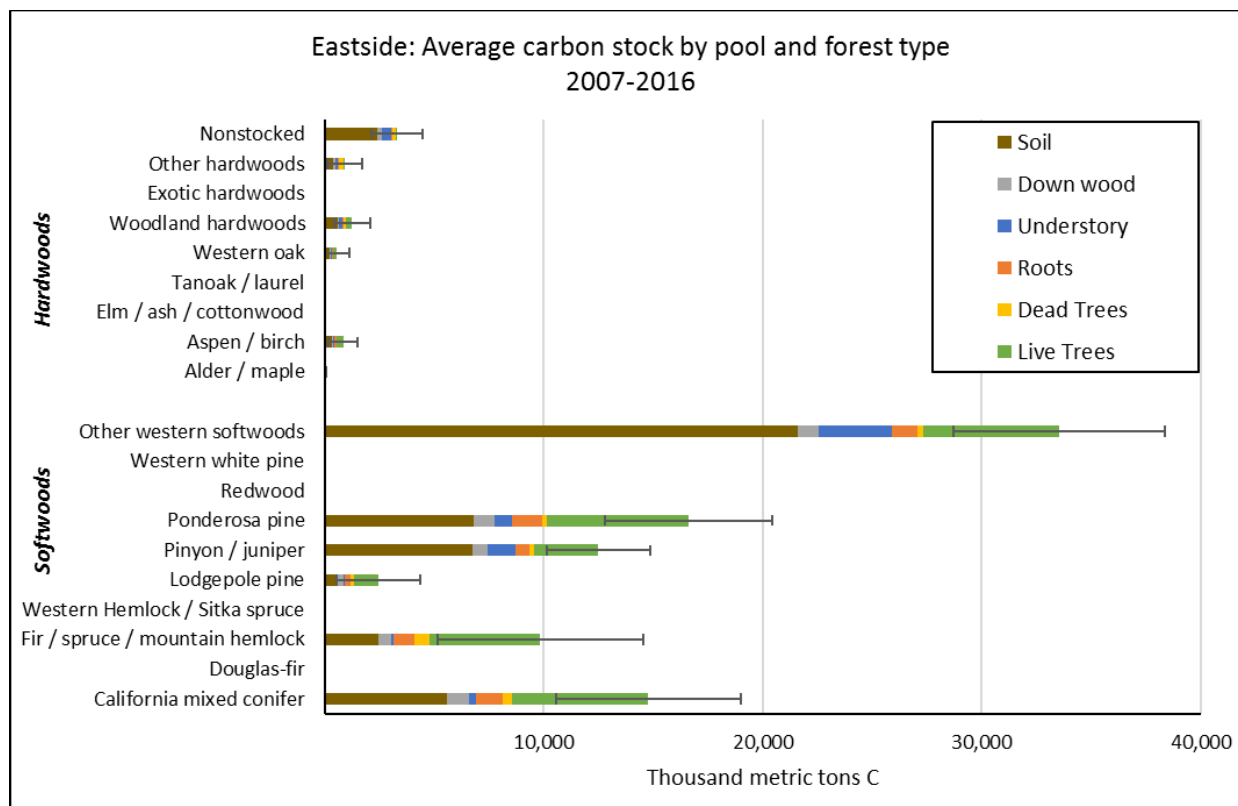


Figure A1.3.1. Eastside: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.3.1.

Table A 1.3.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: Eastside

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand metric tons C</i>														
Softwoods:														
California mixed conifer	6,219	955	402	98	1,249	192	327	48	1,004	188	5,563	799	14,665	2,150
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	5,080	1,363	663	214	950	252	136	32	546	144	2,462	546	9,801	2,399
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1,118	462	159	125	272	121	56	26	258	114	570	220	2,404	983
Pinyon / juniper	2,945	356	184	33	664	79	1,242	115	699	105	6,743	636	12,370	1,209
Ponderosa pine	6,465	863	174	51	1,417	191	768	105	986	178	6,776	780	16,326	1,951
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	6,208	641	250	60	1,198	141	3,330	260	980	135	21,568	1,548	33,071	2,453
Total	28,035	2,051	1,832	280	5,751	419	5,859	314	4,472	360	43,683	2,068	88,636	4,713
Hardwoods:														
Alder / maple	--	--	--	--	--	--	12	13	--	--	1	1	2	2
Aspen / birch	303	157	17	9	58	32	86	31	61	31	302	126	794	346
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	174	102	6	5	43	25	52	24	50	28	225	121	533	288
Woodland hardwoods	285	110	110	59	74	28	114	35	89	40	567	183	1,220	415
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	62	51	211	163	55	37	76	30	122	56	363	147	878	412
Total	823	223	344	174	231	62	341	62	323	81	1,459	292	3,426	736
Nonstocked	66	24	181	99	53	22	421	69	217	56	2,363	428	3,178	592
All forest types	28,924	2,066	2,356	344	6,035	424	6,622	333	5,012	373	47,504	2,129	95,240	4,805

Note: Totals may be of because of rounding

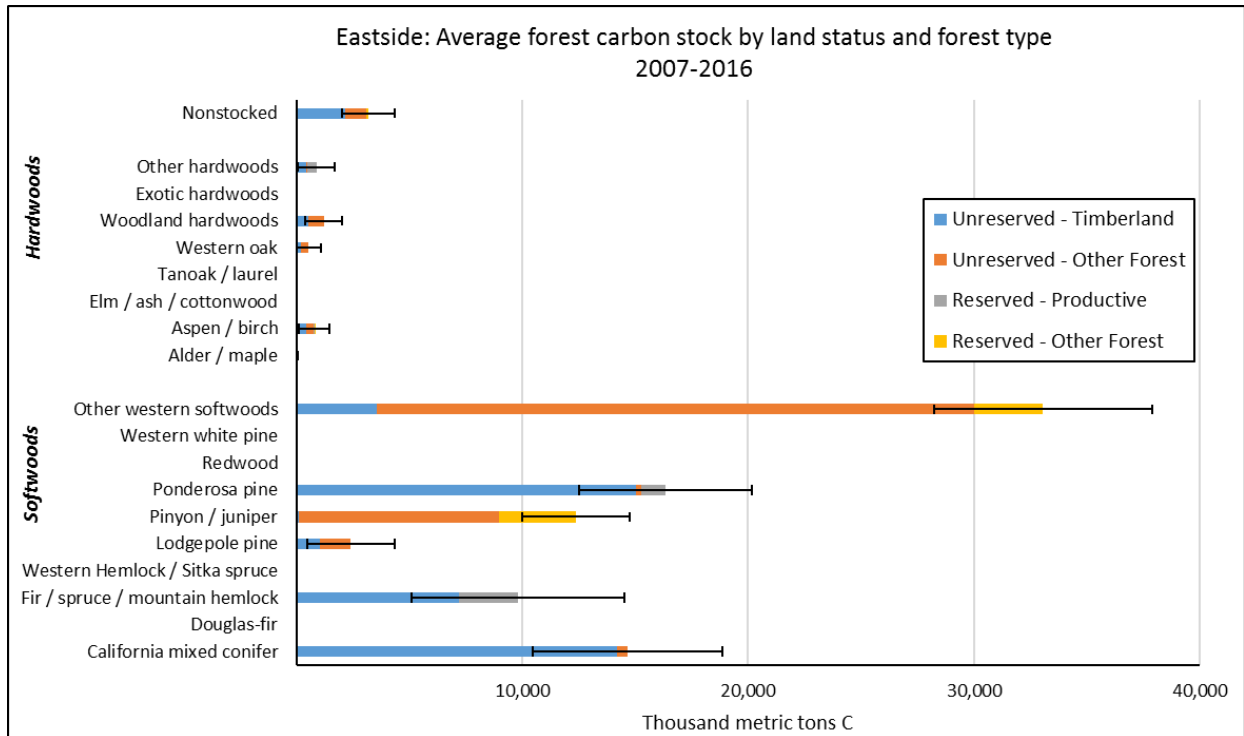


Figure A1.3.2. Eastside: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.3.2.

Table A 1.3.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: Eastside

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	14,195	2,117	469	386	--	--	--	--	14,665	2,150
Douglas-fir	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	7,207	1,973	--	--	2,593	1,364	--	--	9,801	2,399
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1,057	537	1,347	824	--	--	--	--	2,404	983
Pinyon / juniper	102	102	8,856	1,012	--	--	3,412	686	12,370	1,209
Ponderosa pine	15,017	1,864	242	161	1,067	560	--	--	16,326	1,951
Redwood	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--
Other western softwoods	3,556	828	26,461	2,089	--	--	3,054	1,018	33,071	2,453
Total	41,134	3,562	37,376	2,467	3,660	1,475	6,465	1,227	88,636	4,713
Hardwoods:										
Alder / maple	--	--	--	--	--	--	2	2	2	2
Aspen / birch	433	292	316	180	44	49	1	1	794	346
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--
Western oak	221	178	312	226	--	--	--	--	533	288
Woodland hardwoods	534	287	686	299	--	--	--	--	1,220	415
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--
Other hardwoods	428	226	47	47	404	341	--	--	878	412
Total	1,615	500	1,361	418	448	344	3	2	3,426	736
Nonstocked	2,145	499	945	307	--	--	89	90	3,178	592
All forest types	44,893	3,642	39,681	2,513	4,109	1,527	6,557	1,235	95,240	4,805

Note: Totals may be off because of rounding

A1.4 Klamath/Interior Coast Ranges

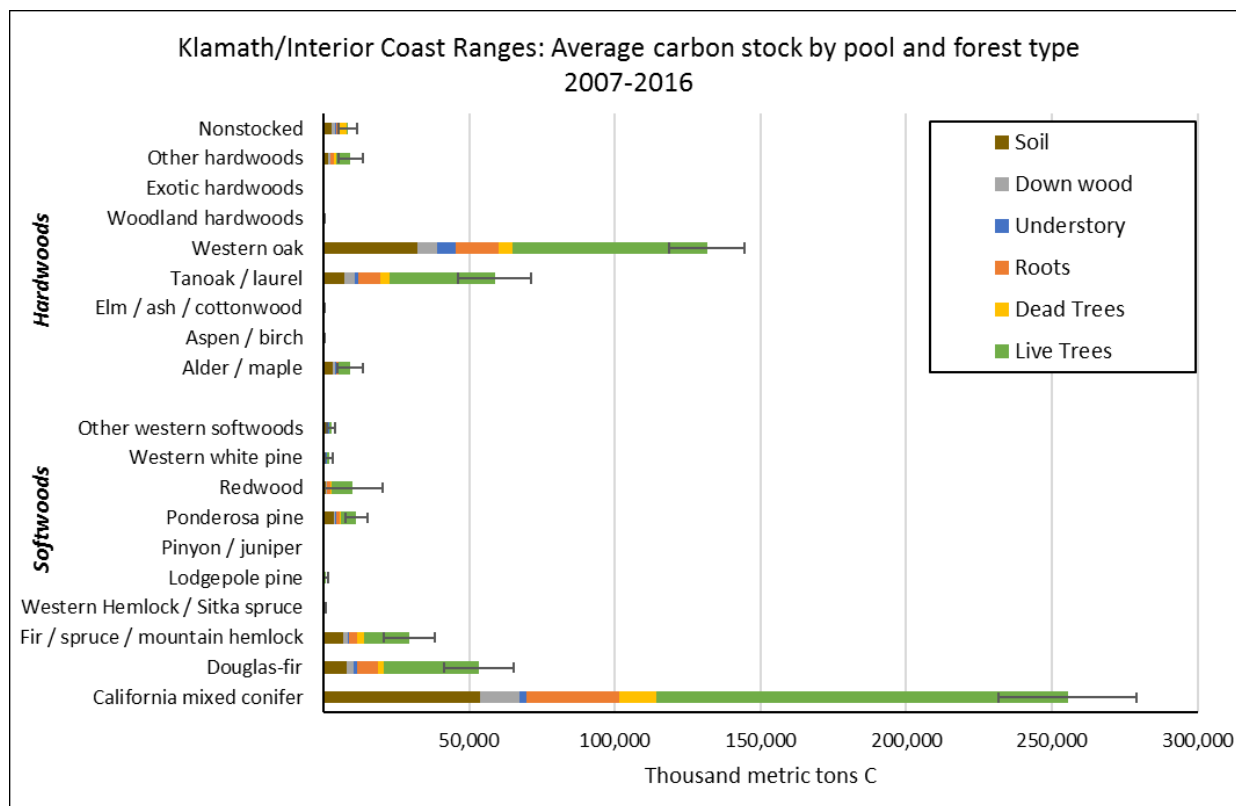


Figure A1.4.1. Klamath/Interior Coast Ranges: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.4.1.

Table A 1.4.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: Klamath Interior Coast Ranges

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand metric tons C</i>													
Softwoods:														
California mixed conifer	141,113	7,161	12,969	1,094	31,568	1,615	2,318	137	13,688	821	53,788	2,324	254,924	12,054
Douglas-fir	32,439	3,898	2,197	409	7,287	884	917	100	2,456	398	8,085	861	53,047	6,141
Fir / spruce / mountain hemlock	15,439	2,738	2,289	518	3,069	524	411	61	1,366	275	6,914	932	29,372	4,528
Western Hemlock / Sitka spruce	120	119	--	--	24	24	14	14	2	2	90	90	238	238
Lodgepole pine	294	161	11	8	54	28	34	18	20	11	355	177	767	387
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	5,345	1,073	331	108	1,222	248	452	69	523	125	3,481	545	11,110	1,963
Redwood	7,334	3,904	217	105	1,363	706	44	21	530	297	703	316	10,184	5,260
Western white pine	574	265	109	54	121	58	108	41	73	37	962	331	1,926	711
Other western softwoods	582	203	45	20	115	38	231	64	225	86	1,509	412	2,634	727
Total	203,238	9,020	18,167	1,247	44,822	1,944	4,529	211	18,884	984	75,887	2,637	364,203	14,478
Hardwoods:														
Alder / maple	3,796	1,017	237	72	819	217	250	52	858	265	3,177	733	9,055	2,204
Aspen / birch	12	12	--	--	2	2	12	12	2	2	43	43	67	69
Elm / ash / cottonwood	64	63	3	3	12	11	24	17	6	6	68	56	157	142
Tanoak / laurel	36,143	4,206	2,972	626	7,791	905	1,262	118	3,591	476	7,070	672	58,599	6,399
Western oak	66,830	3,886	4,565	879	14,717	864	6,531	274	6,719	524	32,317	1,394	129,978	6,631
Woodland hardwoods	62	40	4	4	8	6	67	28	5	3	90	57	185	98
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	4,950	1,293	532	182	1,182	308	371	65	677	187	1,580	304	9,178	2,100
Total	111,859	5,844	8,313	1,093	24,531	1,281	8,517	309	11,858	777	44,345	1,711	207,219	9,499
Nonstocked	483	230	2,722	860	686	205	552	84	953	224	2,921	479	8,132	1,666
All forest types	315,580	10,266	29,202	1,813	70,039	2,214	13,598	383	31,695	1,229	123,153	3,012	579,554	16,398

Note: Totals may be of because of rounding

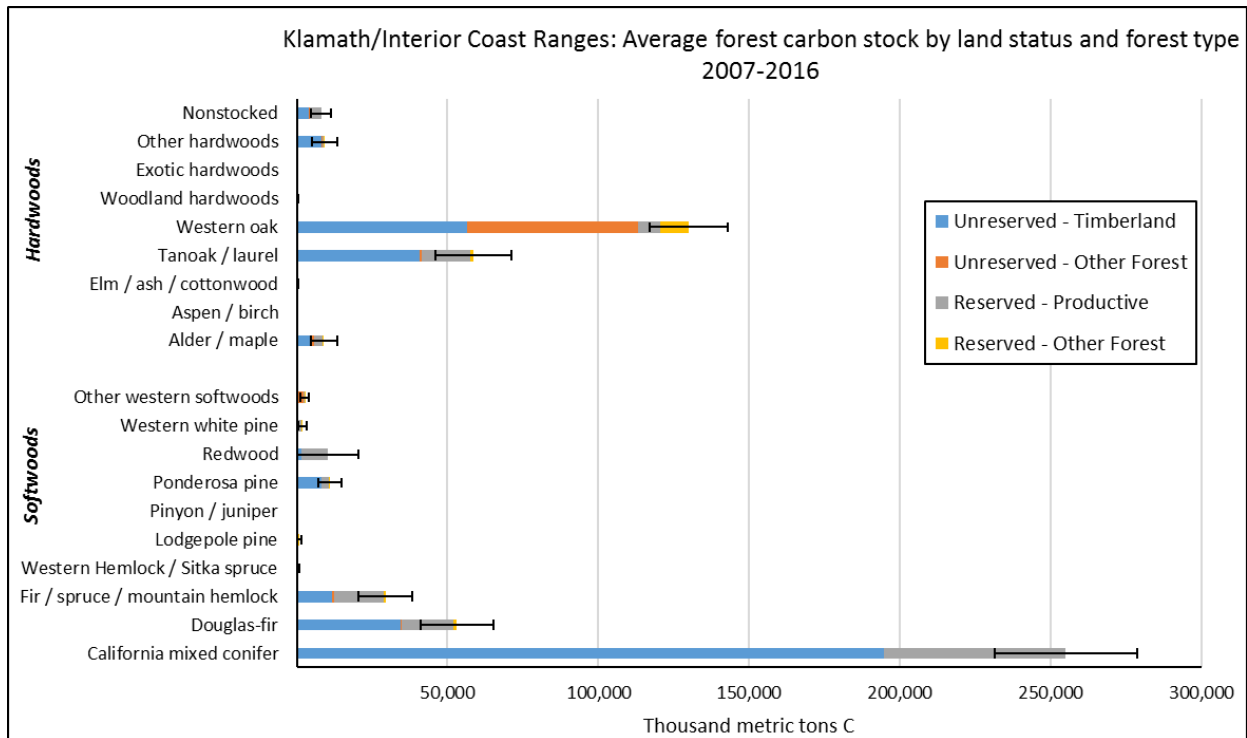


Figure A1.4.2. Klamath/Interior Coast Ranges: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.4.2.

Table A 1.4.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: Klamath Interior Coast Ranges

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	194,590	10,584	248	216	60,086	5,900	--	--	254,924	12,054
Douglas-fir	34,466	4,774	479	483	17,147	3,840	955	440	53,047	6,141
Fir / spruce / mountain hemlock	11,746	2,801	714	479	16,323	3,503	589	457	29,372	4,528
Western Hemlock / Sitka spruce	--	--	--	--	238	238	--	--	238	238
Lodgepole pine	258	248	--	--	330	234	178	182	767	387
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	8,084	1,577	--	--	2,692	1,136	334	282	11,110	1,963
Redwood	1,724	1,238	--	--	8,459	5,112	--	--	10,184	5,260
Western white pine	658	510	--	--	908	430	360	247	1,926	711
Other western softwoods	469	328	1,752	591	227	200	186	190	2,634	727
Total	251,996	11,777	3,193	927	106,412	8,695	2,602	791	364,203	14,478
Hardwoods:										
Alder / maple	5,113	1,534	637	410	2,687	1,457	617	460	9,055	2,204
Aspen / birch	--	--	--	--	--	--	67	69	67	69
Elm / ash / cottonwood	--	--	143	141	14	14	--	--	157	142
Tanoak / laurel	40,747	5,413	732	421	16,219	3,387	901	525	58,599	6,399
Western oak	56,662	5,042	56,383	3,709	7,314	1,738	9,619	1,704	129,978	6,631
Woodland hardwoods	--	--	64	45	--	--	121	87	185	98
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--
Other hardwoods	8,347	2,067	117	68	456	254	257	256	9,178	2,100
Total	110,870	7,699	58,077	3,752	26,690	4,027	11,582	1,855	207,219	9,499
Nonstocked	4,155	1,216	223	145	3,755	1,129	--	--	8,132	1,666
All forest types	367,020	13,619	61,492	3,864	136,856	9,036	14,185	2,027	579,554	16,398

Note: Totals may be of because of rounding

A1.5 North Coast

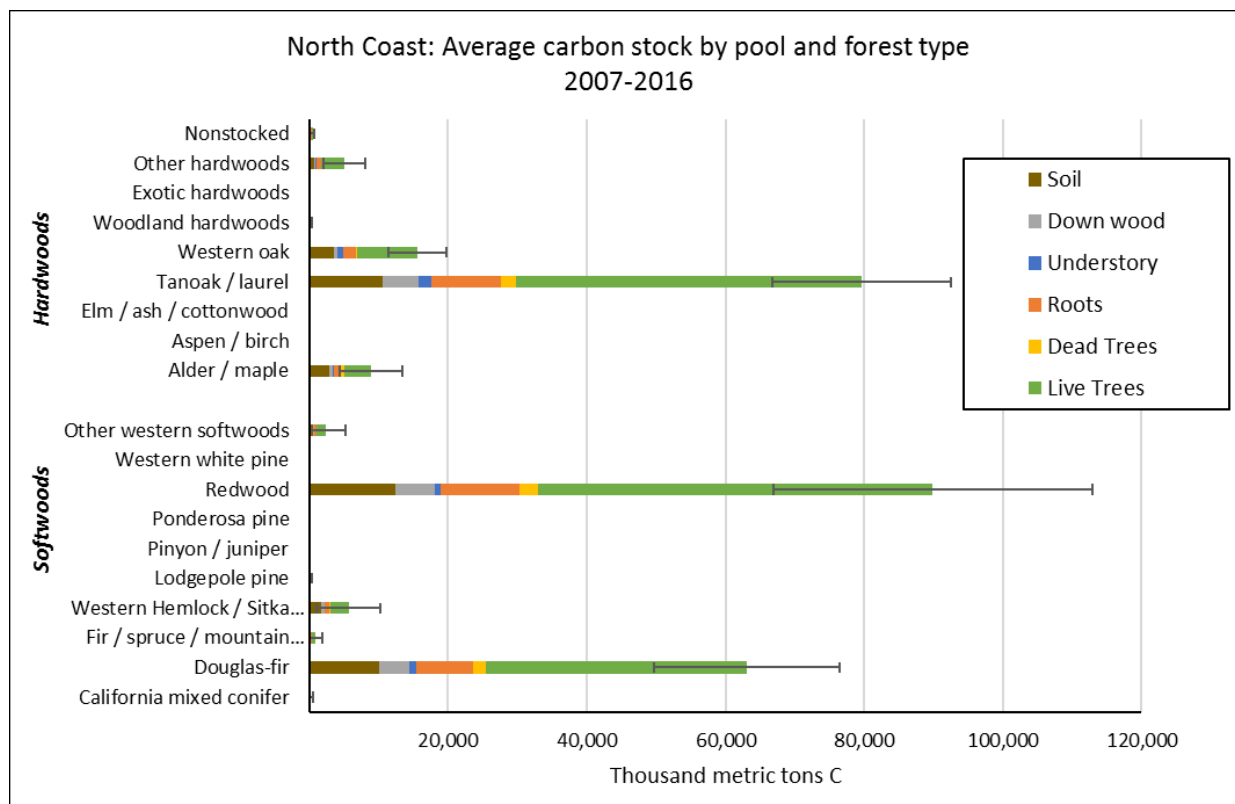


Figure A1.5.1. North Coast: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.5.1.

Table A 1.5.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: North Coast

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand metric tons C</i>													
Softwoods:														
California mixed conifer	68	64	4	4	11	10	7	7	23	21	54	51	163	153
Douglas-fir	37,635	4,425	1,778	324	8,192	965	1,019	100	4,400	603	10,047	958	62,798	6,854
Fir / spruce / mountain hemlock	424	289	37	37	87	60	13	8	16	11	197	133	768	525
Western Hemlock / Sitka spruce	2,525	1,073	293	179	633	285	72	29	372	236	1,741	714	5,608	2,332
Lodgepole pine	28	28	8	8	7	8	8	9	2	2	51	52	101	103
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	56,900	8,414	2,578	560	11,479	1,631	819	81	5,618	844	12,457	1,223	89,639	11,728
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	1,307	915	64	52	297	204	52	26	161	115	509	244	2,373	1,429
Total	98,887	9,368	4,761	668	20,706	1,874	1,990	136	10,589	1,048	25,057	1,674	161,449	13,443
Hardwoods:														
Alder / maple	3,933	1,139	469	175	924	258	221	48	540	158	2,825	686	8,839	2,318
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	49,846	4,328	2,230	357	10,028	867	1,817	141	5,127	546	10,576	812	79,335	6,546
Western oak	8,779	1,280	207	58	1,757	261	791	96	614	130	3,500	460	15,372	2,135
Woodland hardwoods	94	85			20	18	13	11	6	6	14	13	137	124
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	3,255	1,034	60	28	678	216	145	39	195	69	687	200	4,982	1,532
Total	65,906	4,694	2,966	400	13,408	949	2,986	182	6,483	584	17,603	1,151	108,665	7,290
Nonstocked	18	18	14	10	8	4	38	21	65	39	163	94	288	162
All forest types	164,812	10,077	7,742	767	34,121	2,015	5,014	226	17,137	1,169	42,822	1,931	270,402	14,594

Note: Totals may be of because of rounding

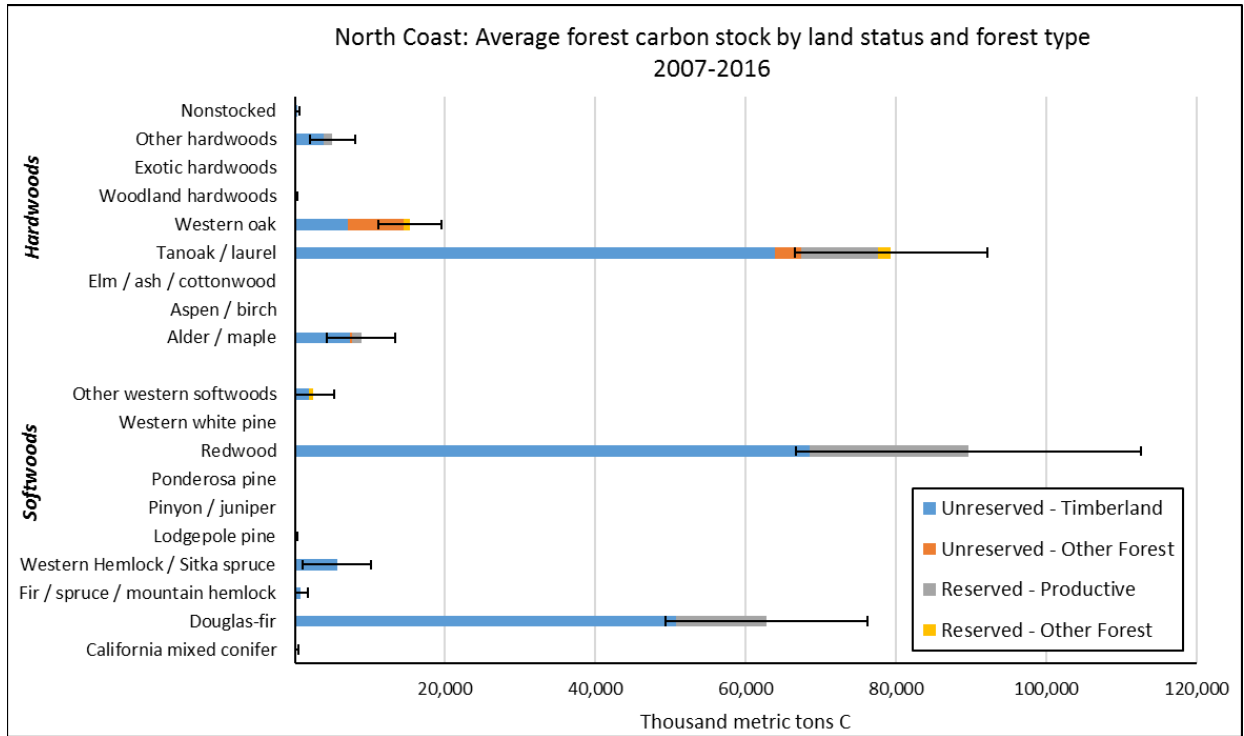


Figure A1.5.2. North Coast: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.5.2.

Table A 1.5.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: North Coast

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	163	153	--	--	--	--	--	--	163	153
Douglas-fir	50,674	5,846	--	--	12,124	3,670	--	--	62,798	6,854
Fir / spruce / mountain hemlock	768	525	--	--	--	--	--	--	768	525
Western Hemlock / Sitka spruce	5,608	2,332	--	--	--	--	--	--	5,608	2,332
Lodgepole pine	--	--	--	--	101	103	--	--	101	103
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--
Redwood	68,558	7,739	--	--	21,081	9,045	--	--	89,639	11,728
Western white pine	--	--	--	--	--	--	--	--	--	--
Other western softwoods	1,889	1,371	--	--	19	24	465	403	2,373	1,429
Total	127,660	9,839	--	--	33,324	9,575	465	403	161,449	13,443
Hardwoods:										
Alder / maple	7,315	2,054	313	277	1,210	1,039	--	--	8,839	2,318
Aspen / birch	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	63,854	5,773	3,501	1,446	10,265	2,577	1,716	1,276	79,335	6,546
Western oak	7,008	1,606	7,482	1,318	--	--	881	464	15,372	2,135
Woodland hardwoods	--	--	--	--	--	--	137	124	137	124
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--
Other hardwoods	3,813	1,295	91	87	1,077	813	--	--	4,982	1,532
Total	81,990	6,368	11,388	1,973	12,553	2,866	2,734	1,363	108,665	7,290
Nonstocked	288	162	--	--	--	--	--	--	288	162
All forest types	209,938	11,122	11,388	1,973	45,877	9,795	3,199	1,422	270,402	14,594

Note: Totals may be off because of rounding

A1.6 Sierra/Cascades

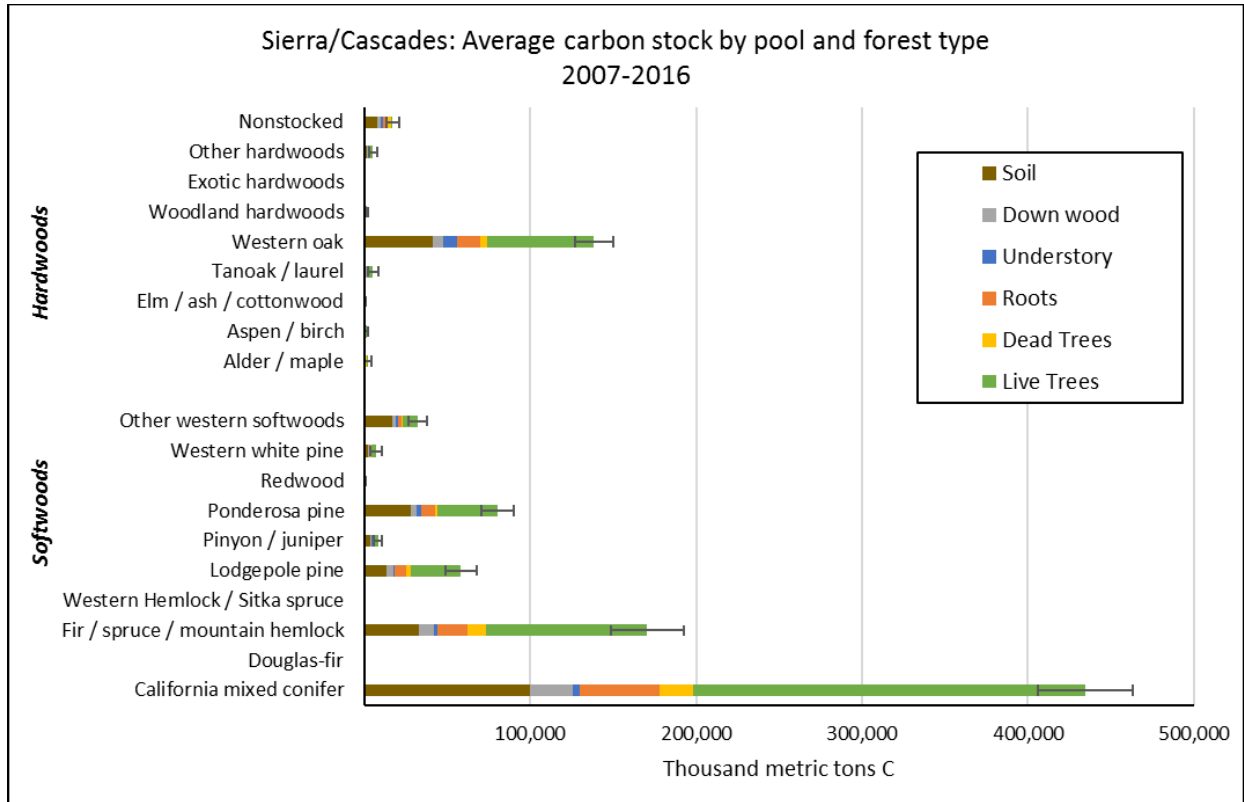


Figure A1.6.1. Sierra/Cascades: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.6.1.

Table A 1.6.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: Sierra Cascades

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand metric tons C</i>													
Softwoods:														
California mixed conifer	236,673	8,737	20,240	1,240	47,710	1,753	4,587	190	25,304	1,141	100,071	3,036	433,603	14,657
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	97,466	6,824	10,624	1,010	18,639	1,310	1,601	99	8,986	757	33,230	1,948	170,210	11,167
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	29,715	2,681	3,192	387	6,867	612	890	87	3,993	511	13,385	1,016	57,870	4,795
Pinyon / juniper	2,200	382	148	40	493	84	777	95	689	163	3,884	497	8,067	1,107
Ponderosa pine	36,218	2,673	1,206	207	8,038	600	2,775	172	3,906	376	27,926	1,557	79,116	4,955
Redwood	28	26	--	--	6	5	10	9	41	38	73	67	153	140
Western white pine	3,103	803	448	133	715	181	143	36	341	104	2,324	527	7,013	1,656
Other western softwoods	8,747	1,049	826	166	1,869	235	1,913	181	1,649	263	17,050	1,399	31,740	2,818
Total	414,150	10,619	36,685	1,599	84,337	2,128	12,697	343	44,909	1,457	197,943	3,788	787,772	17,674
Hardwoods:														
Alder / maple	1,093	606	86	60	222	122	46	22	121	66	730	356	2,290	1,168
Aspen / birch	557	296	20	13	107	58	116	37	160	91	348	122	1,254	551
Elm / ash / cottonwood	129	112	1	1	20	18	45	22	7	7	215	144	389	274
Tanoak / laurel	3,073	1,177	86	52	607	222	180	44	393	203	921	237	5,220	1,706
Western oak	64,592	3,404	4,044	453	13,928	725	8,030	279	6,359	434	41,527	1,508	136,746	5,914
Woodland hardwoods	255	104	31	13	64	24	167	44	44	23	743	204	1,264	368
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	1,848	739	131	54	406	171	453	74	483	145	1,771	316	4,937	1,268
Total	71,548	3,715	4,400	463	15,355	784	9,037	298	7,566	511	46,254	1,607	152,100	6,378
Nonstocked	768	198	4,069	924	1,032	204	1,393	125	2,064	376	7,877	779	16,805	1,980
All forest types	486,466	10,652	45,153	1,848	100,724	2,133	23,127	454	54,539	1,541	252,074	3,861	956,677	17,584

Note: Totals may be of because of rounding

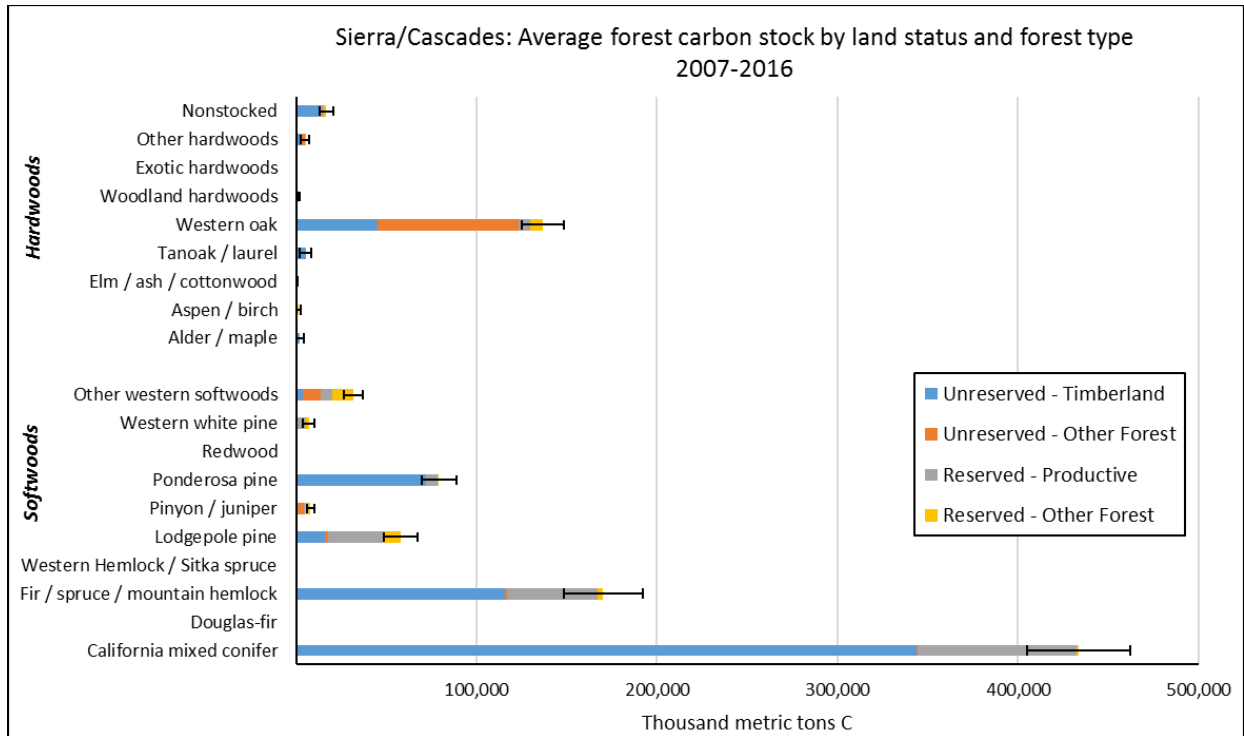


Figure A1.6.2. Sierra/Cascades: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.6.2.

Table A 1.6.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: Sierra Cascades

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	343,996	12,857	135	110	88,510	7,839	962	820	433,603	14,657
Douglas-fir	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	115,881	8,712	1,261	788	50,014	6,906	3,054	1,258	170,210	11,167
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	16,157	2,551	1,347	635	30,413	3,754	9,954	1,916	57,870	4,795
Pinyon / juniper	156	157	4,421	796	58	89	3,433	752	8,067	1,107
Ponderosa pine	71,122	4,684	1,125	529	6,341	1,538	528	318	79,116	4,955
Redwood	153	140	--	--	--	--	--	--	153	140
Western white pine	990	515	--	--	4,384	1,405	1,639	714	7,013	1,656
Other western softwoods	3,892	963	9,769	1,311	6,566	1,530	11,512	1,774	31,740	2,818
Total	552,345	14,863	18,057	1,901	186,286	10,493	31,084	3,073	787,772	17,674
Hardwoods:										
Alder / maple	2,290	1,168	--	--	--	--	--	--	2,290	1,168
Aspen / birch	286	251	142	85	--	--	826	483	1,254	551
Elm / ash / cottonwood	--	--	389	274	--	--	--	--	389	274
Tanoak / laurel	4,788	1,694	432	205	--	--	--	--	5,220	1,706
Western oak	45,314	4,166	78,207	3,892	6,088	1,632	7,138	1,423	136,746	5,914
Woodland hardwoods	140	141	819	271	--	--	305	206	1,264	368
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--
Other hardwoods	3,055	1,181	1,812	456	--	--	71	77	4,937	1,268
Total	55,873	4,773	81,799	3,928	6,088	1,632	8,340	1,511	152,100	6,378
Nonstocked	12,577	1,774	1,186	371	1,841	676	1,201	436	16,805	1,980
All forest types	620,795	14,987	101,043	4,344	194,215	10,539	40,625	3,426	956,677	17,584

Note: Totals may be off because of rounding

A1.7 South Coast Mountains and Deserts

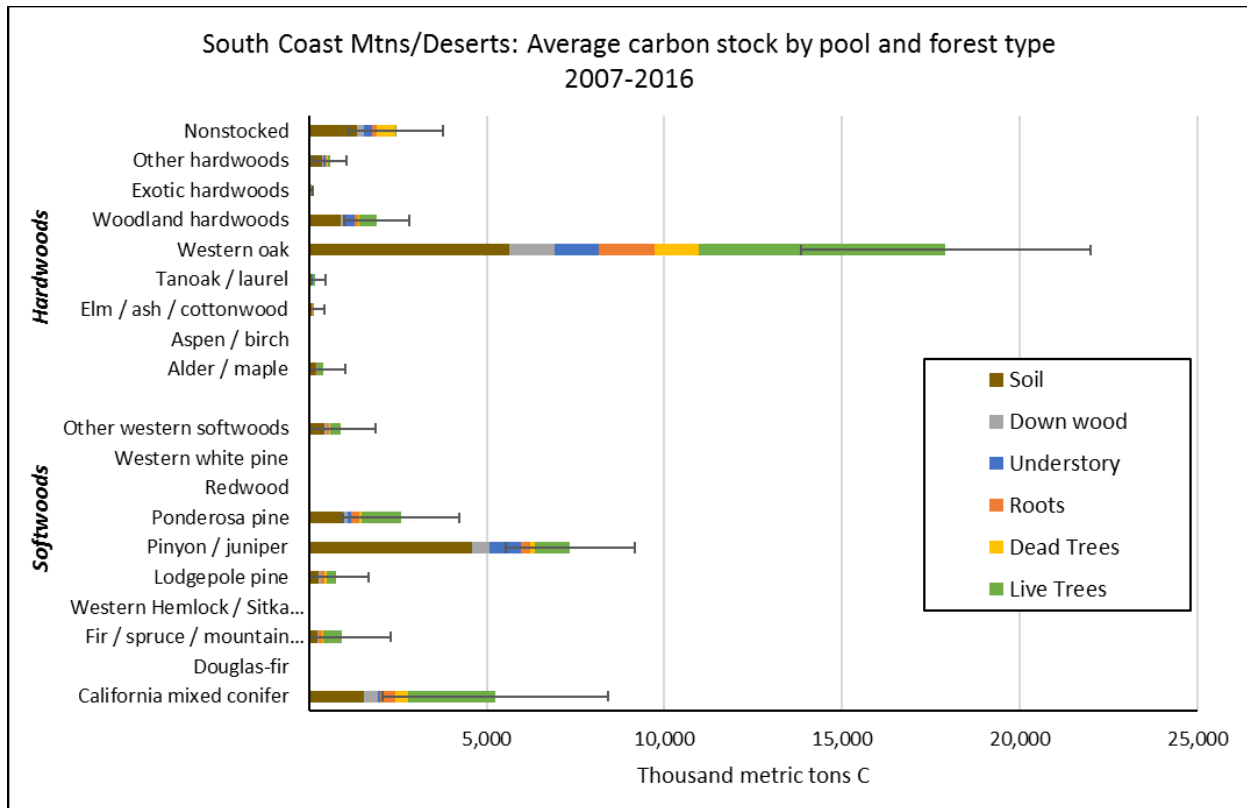


Figure A1.7.1. South Coast Mountains/Deserts: Average carbon stock by pool and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.7.1.

Table A 1.7.1: Forest land carbon stocks (thousand metric tons C) by forest type and pool, 2007-2016: South Coast Mountains and Deserts

	Live Trees		Dead Trees		Roots		Understory		Down wood		Soil		All pools	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>Thousand metric tons C</i>													
Softwoods:														
California mixed conifer	2,444	859	354	191	454	151	61	20	372	133	1,553	451	5,236	1,622
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	526	393	41	37	91	68	8	6	44	41	222	162	931	699
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	257	158	86	54	78	48	11	7	78	53	257	157	767	469
Pinyon / juniper	1,007	236	133	39	243	51	877	100	509	121	4,576	542	7,238	922
Ponderosa pine	1,118	379	51	31	256	87	68	23	138	74	962	313	2,575	833
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	295	176	35	32	58	37	27	15	53	29	431	226	895	491
Total	5,647	1,066	700	211	1,180	202	1,051	106	1,195	208	8,000	831	17,643	2,252
Hardwoods:														
Alder / maple	181	162	2	2	33	30	24	16	6	4	164	117	394	315
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	34	47	1	2	6	9	20	15	1	2	63	83	110	148
Tanoak / laurel	50	49	1	1	11	11	12	11	5	5	76	75	156	153
Western oak	6,945	1,051	1,242	269	1,572	223	1,259	121	1,279	226	5,616	583	17,522	2,079
Woodland hardwoods	486	173	47	17	87	28	259	59	116	45	902	223	1,794	465
Exotic hardwoods	3	3	--	--		1	11	11	6	6	23	24	38	38
Other hardwoods	89	55	18	18	25	14	84	31	11	6	375	150	586	230
Total	7,789	1,079	1,311	270	1,736	227	1,668	141	1,424	231	7,219	661	20,600	2,172
Nonstocked	16	12	526	279	132	68	206	48	194	95	1,358	331	2,396	674
All forest types	13,451	1,517	2,536	437	3,047	311	2,926	184	2,813	323	16,577	1,105	40,639	3,185

Note: Totals may be of because of rounding

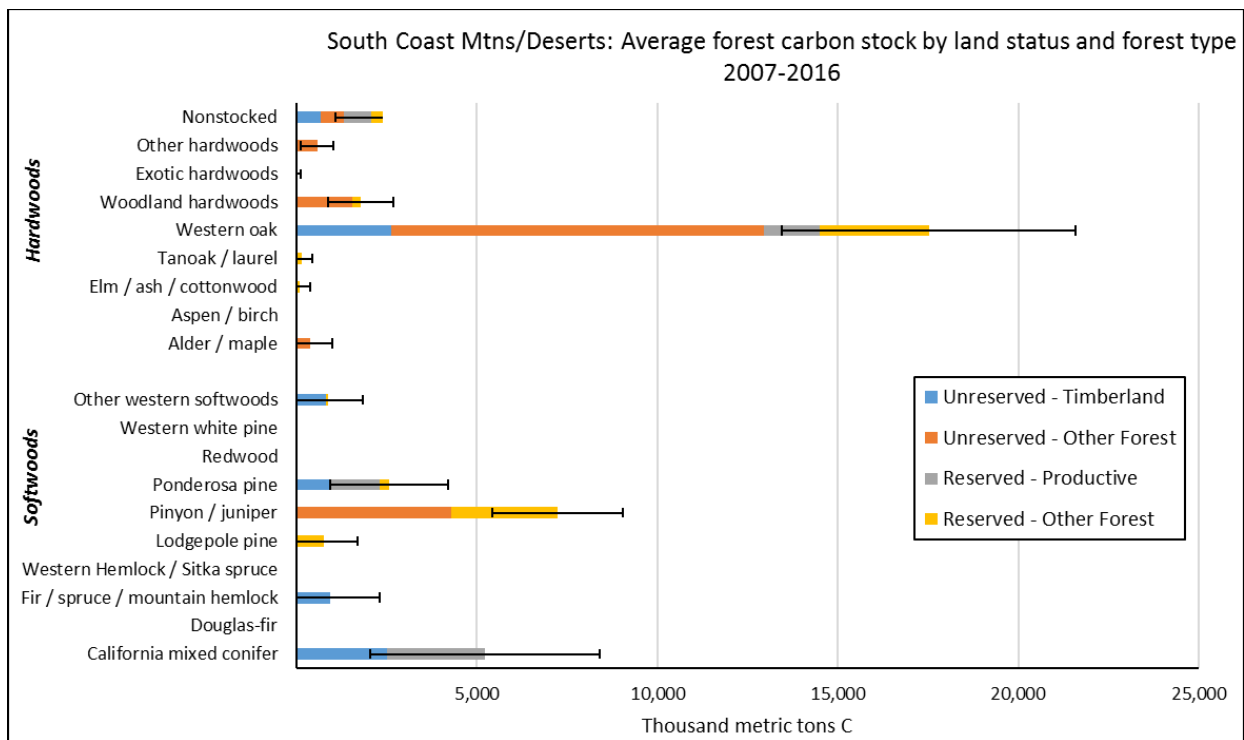


Figure A1.7.2. South Coast Mountains/Deserts: Average forest carbon stock by land status and forest type, 2007-2016 (thousand metric tons C). Error bars represent the 95% confidence interval of total stock for each forest type. Figure derived from Table A1.7.2.

Table A 1.7.2: Forest land carbon stocks (thousand metric tons C) by forest type and land status, 2007-2016: South Coast Mountains and Deserts

	Unreserved Forests:				Reserved Forests:				All forest land	
	Timberland		Other Forest		Productive		Other Forest		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE		
	<i>Thousand metric tons C</i>									
Softwoods:										
California mixed conifer	2,525	1,082	--	--	2,711	1,208	--	--	5,236	1,622
Douglas-fir	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	931	699	--	--	--	--	--	--	931	699
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	767	469	767	469
Pinyon / juniper	--	--	4,304	711	--	--	2,934	588	7,238	922
Ponderosa pine	965	506	--	--	1,359	612	251	252	2,575	833
Redwood	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--
Other western softwoods	834	485	--	--	--	--	61	76	895	491
Total	5,256	1,465	4,304	711	4,069	1,340	4,013	794	17,643	2,252
Hardwoods:										
Alder / maple	--	--	394	315	--	--	--	--	394	315
Aspen / birch	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	2	2	--	--	108	148	110	148
Tanoak / laurel	--	--	--	--	--	--	156	153	156	153
Western oak	2,637	906	10,308	1,503	1,571	664	3,005	828	17,522	2,079
Woodland hardwoods	--	--	1,559	433	--	--	235	170	1,794	465
Exotic hardwoods	38	38	--	--	--	--	--	--	38	38
Other hardwoods	--	--	586	230	--	--	--	--	586	230
Total	2,675	907	12,849	1,608	1,571	664	3,505	872	20,600	2,172
Nonstocked	677	381	657	269	753	456	308	169	2,396	674
All forest types	8,608	1,762	17,810	1,778	6,394	1,567	7,827	1,185	40,639	3,185

Note: Totals may be off because of rounding

Appendix 2: 2007 - 2016 California FIA forest carbon inventory tables

Flux are based on plots initially measured between 2001-2006 and re-measured between 2011-2016.

Stocks are based on 10-year averages with the current reporting period being 2007-2016.

A. Area

Sampled Area

Table A1- A8: Area of Sampled Land by Land Status and Owner Group, 2007-2016: [Region]

Table A1: Area of Sampled Land by Land Status and Ownership Group, 2007-2016: All California

Table A2: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Central Coast and Interior Ranges

Table A3: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Central Valley

Table A4: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Eastside

Table A5: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Klamath Interior Coast Ranges

Table A6: Area of Sampled Land by Land Status and Owner Group, 2007-2016: North Coast

Table A7: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Sierra Cascades

Table A8: Area of Sampled Land by Land Status and Owner Group, 2007-2016: South Coast Mountains and Deserts

Forest Area for Forest Land Remaining Forest (FF)

Table A9- A16: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: [Region]

Table A9: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: All California

Table A10: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table A11: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table A12: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: Eastside

Table A13: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table A14: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: North Coast

Table A15: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table A16: Area of Forest Land by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest Area for Forest Land Remaining Forest (FF): By Forest Type, Owner Group and Forest Land Status

Table A17: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: All California

Table A18: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table A19: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Central Valley

Table A20: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Eastside

Table A21: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table A22: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: North Coast

Table A23: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table A24: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

B. Net Carbon Flux for Forest Land Remaining Forest (FF)

Net Carbon Flux for All Pools by Owner Group

Tables B1- B10: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: [Region]

Table B1: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: All California

Table B2: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Central Coast and Interior Ranges

Table B3: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Central Valley

Table B4: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Eastside

Table B5: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Klamath Interior Coast Ranges

Table B6: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: North Coast

Table B7: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Sierra Cascades

Table B8: Annual Net Change in Carbon Stocks on Forest Land for all Pools by Owner Group, 2001-2006 to 2011-2016: South Coast Mountains and Deserts

Disturbance Effects on Net Forest Carbon Flux

Table B9: Annual Net Change in Carbon Stocks for Aboveground Pools on Forest Land by Disturbance, Forest Land Status and Owner Group, 2001-2006 to 2011-2016: All California

Table B10: Annual Net Change Per Acre in Carbon Stock for Aboveground Pools on Forest Land by Disturbance, Forest Land Status and Owner Group, 2001-2006 to 2011-2016: All California

Table B11: Annual Net Change in Carbon Stocks for Aboveground Pools on Timberland by Disturbance, Forest Land Status and Owner Group, 2001-2006 to 2011-2016: All California

Table B12: Annual Net Change Per Acre in Carbon Stock for Aboveground Pools on Timberland by Disturbance, Forest Land Status and Owner Group, 2001-2006 to 2011-2016: All California

C. Forest Carbon Stocks for Forest Land Remaining Forest (FF): by Owner Group and Forest Land Status

Aboveground Live Tree Pool

Tables C1 – C8: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, 2007-2016: [Region]

Table C1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, 2007-2016: All California (Same as Table C9.7)

Table C2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table C3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C8: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Tables C9.1 – C0.7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): [Years]

Table C9.1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2001-2010

Table C9.2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2002-2011

Table C9.3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2003-2012

Table C9.4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2004-2013

Table C9.5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2005-2014

Table C9.6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2006-2015

Table C9.7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (\geq 1 inches) by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016 (Same as Table C1)

Aboveground Dead Tree Pool

Tables C10 – C17: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: [Region]

Table C10: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California (Same as Table C18.7)

Table C11: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table C12: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C13: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C14: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C15: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C16: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C17: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Tables C18.1 – C18.7 – Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): [Years]

Table C18.1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Table C18.2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Table C18.3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Table C18.4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Table C18.5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Table C18.6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Table C18.7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016 (Same as Table C10)

Aboveground Live Understory Vegetation Pool

Tables C19 – C26: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: [Region]

Table C19: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: All California (information from Table C19 combined with information from Table C28 in Table C27.7)

Table C20: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table C21: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C22: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C23: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C24: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C25: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C26: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Aboveground and Belowground Live Understory Vegetation, 10-Year Averages

Tables C27.1 – C27.7: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, All California (10-year averages): [Years]

Table C27.1: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Table C27.2: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Table C27.3: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Table C27.4: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Table C27.5: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Table C27.6: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Table C27.7: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016 (Same as Table C19 and Table C28 combined)

Belowground Live Understory Vegetation Pool

Tables C28 – C35: Belowground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: [Region]

Table C28: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: All California (information from Table C28 combined with information from Table C19 in Table C27.7)

Table C29: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table C30: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C31: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C32: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C33: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C34: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C35: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Belowground Live Tree Pool

Tables C36 - 43: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: [Region]

Table C36: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California (information from Table C36 combined with information from Table C45 in Table C44.7)

Table C37: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Range

Table C38: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C39: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C40: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C41: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C42: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C43: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Belowground Live and Dead Tree Pool, 10-year averages

Tables C44.1 – C44.7: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): [Years]

Table C44.1: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Table C44.2: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Table C44.3: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Table C44.4: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Table C44.5: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Table C44.6: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Table C44.7: Belowground Carbon, Dry Weight of Live Trees and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016 (Same as Table C36 and Table C45 combined)

Belowground Dead Tree Pool

Tables C45 – 52: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: [Regions]

Table C45: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California (information from Table C45 combined with information from Table C36 in Table C44.7)

Table C46: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table C47: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C48: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C49: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C50: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C51: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C52: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Soil Organic Carbon Pool

Tables C53 – C60: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: [Region]

Table C53: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: All California (Same as Table C61.7)

Table C54: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table C55: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Central Valley

Table C56: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Eastside

Table C57: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table C58: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: North Coast

Table C59: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Table C60: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Tables C61.1 – C61.7: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10 year averages): [Years]

Table C61.1: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Table C61.2: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Table C61.3: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Table C61.4: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Table C61.5: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Table C61.6: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Table C61.7: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016 (Same as Table C53)

Aboveground Down Dead Wood Pool

Tables C62 – C69: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: [Region]

Table C62: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: All California (information duplicated in Table C70.7)

Table C63: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: Central Coast and Interior Ranges

Table C64: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: Central Valley

Table C65: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: Eastside

Table C66: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: Klamath Interior Coast Ranges

Table C67: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: North Coast

Table C68: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: Sierra Cascades

Table C69: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2005-2016: South Coast Mountains and Deserts

Tables C70.1 – C70.2: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): [Years]

Table C70.1: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Table C70.2: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Table C70.3: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Table C70.4: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Table C70.5: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Table C70.6: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Table C70.7: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016 (information duplicated in Table C62)

D. Forest Carbon Stocks for Forest Land Remaining Forest (FF): by Forest Type and Forest Land Status

Aboveground Live Tree Pool

Tables D1 - D8: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: [Region]

Table D1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: All California

Table D2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: Central Coast and Interior Ranges

Table D3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: Central Valley

Table D4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: Eastside

Table D5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: North Coast

Table D7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: Sierra Cascades

Table D8: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inch) by Forest Type and Land Status, 2007-2016: South Coast Mountains and Deserts

Aboveground Dead Tree Pool

Tables D9 – D16: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: [Region]

Table D9: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: All California

Table D10: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D11: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Valley

Table D12: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inches) by Forest Type and Forest Land Status, 2007-2016: Eastside

Table D13: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D14: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: North Coast

Table D15: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Table D16: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status - South Coast Mountains and Deserts

Aboveground Live Understory Vegetation Pool

Tables D17 – D24: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Forest Type and Forest Land Status, 2007-2016: [Region]

Table D17: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: All California

Table D18: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D19: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Valley

Table D20: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Eastside

Table D21: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D22: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: North Coast

Table D23: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Table D24: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Belowground Live Understory Vegetation Pool

Tables D25 - D32 – Belowground Carbon, Dry Weight of Live Understory Vegetation by Forest Type and Forest Land Status, 2007-2016: [Region]

Table D25: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: All California

Table D26: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D27: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Valley

Table D28: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Eastside

Table D29: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D30: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: North Coast

Table D31: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Table D32: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Belowground Live Tree Pool

Tables D33 – D40 – Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: [Region]

Table D33: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: All California

Table D34: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D35: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Valley

Table D36: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Eastside

Table D37: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D38: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: North Coast

Table D39: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Table D40: Belowground Carbon, Dry Weight of Live Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Belowground Dead Tree Pool

Tables D41 - 48 – Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: [Region]

Table D41: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: All California

Table D42: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D43: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Valley

Table D44: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Eastside

Table D45: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D46: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: North Coast

Table D47: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Table D48: Belowground Carbon, Dry Weight of Dead Trees (≥ 1 inch) by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Soil Organic Carbon Pool

Tables D49 – D56 – Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: [Region]

Table D49: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: All California

Table D50: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D51: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Central Valley

Table D52: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Eastside

Table D53: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D54: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: North Coast

Table D55: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Sierra Cascades

Table D56: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Aboveground Down Dead Wood Pool:

Tables D57 – D64 – Aboveground Carbon Mass of Down Dead Wood by Forest Type Group and Forest Land Status, 2007-2016: [Region]

Table D57: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: All California

Table D58: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Table D59: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: Central Valley

Table D60: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: Eastside

Table D61: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Table D62: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: North Coast

Table D63: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Table D64: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

E. Forest Land Conversions (LF)

Changes in Area from Forest Land-Use Conversions

Table E1: Annual Change in Forest Land Area To and From Other IPCC Land-Use Classes in California, 2001-2006 to 2011-2016

Net Forest Carbon Flux from Forest Land-Use Conversions

Table E2: Annual Change in Carbon Pools Due to Change in Land-Use Between Forest and Non-forest in California, 2001-2006 to 2011-2016

F. Net Flux from Other GHG emissions

Table F1 - Annual Net Emissions of Non-CO₂e Greenhouse Gases from Fire, 2001-2006 to 2011-2016

Table A1: Area of Sampled Land by Land Status and Owner Group, 2007-2016: All California

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	8,860	121	294	41	150	28	7,163	119	16,467	168
Other unreserved forest land	2,376	99	1,085	74	195	33	5,169	140	8,825	187
Total, unreserved	11,236	121	1,379	84	345	43	12,332	153	25,292	203
Reserved forest land:										
Reserved productive forest land	2,770	90	1,060	62	323	35	--	--	4,153	115
Other reserved forest land	1,287	77	703	62	447	46	--	--	2,438	109
Total, reserved forest land	4,058	93	1,763	82	770	54	--	--	6,591	135
Total, forest land	15,294	123	3,142	100	1,115	62	12,332	153	31,882	201
Nonforest and other area:										
Nonforest land	5,239	113	23,733	133	2,917	89	36,163	185	68,052	212
Noncensus water	34	9	28	11	9	4	133	25	204	29
Census water	--	--	--	--	4,921	69	--	--	4,921	69
Total, nonforest and other area	5,273	113	23,760	133	7,846	107	36,297	185	73,177	202
Total, all sampled area	20,567	68	26,902	129	8,961	119	48,629	157	105,059	46

Table A2: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Central Coast and Interior Ranges

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	2	1	--	--	15	9	188	33	204	34
Other unreserved forest land	83	21	123	26	38	14	904	67	1,148	76
Total, unreserved	84	21	123	26	53	17	1,092	74	1,351	83
Reserved forest land:										
Reserved productive forest land	29	13	--	--	81	22	--	--	110	25
Other reserved forest land	131	28	17	10	237	33	--	--	384	44
Total, reserved forest land	160	31	17	10	318	38	--	--	494	49
Total, forest land	244	37	139	28	371	40	1,092	74	1,846	96
Nonforest and other area:										
Nonforest land	479	52	722	66	340	43	5,865	177	7,405	199
Noncensus water	2	2	5	5	1	1	15	8	23	9
Census water	--	--	--	--	1,003	72	--	--	1,003	72
Total, nonforest and other area	481	52	727	66	1,344	84	5,880	177	8,432	212
Total, all sampled area	725	65	866	72	1,714	94	6,972	194	10,277	235

Table A3: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Central Valley

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	--	--	--	--	--	--	--	--	--	--
Other unreserved forest land	--	--	--	--	4	3	78	20	83	20
Total, unreserved	--	--	--	--	4	3	79	20	83	20
Reserved forest land:										
Reserved productive forest land	--	--	--	--	--	--	--	--	--	--
Other reserved forest land	--	--	1	1	5	5	--	--	6	5
Total, reserved forest land	--	--	1	1	5	5	--	--	6	5
Total, forest land	--	--	1	1	9	6	79	20	89	21
Nonforest and other area:										
Nonforest land	--	--	279	42	161	31	11,738	215	12,178	220
Noncensus water	--	--	--	--	2	2	24	12	26	13
Census water	--	--	--	--	149	30	--	--	149	30
Total, nonforest and other area	--	--	279	42	311	43	11,763	215	12,352	222
Total, all sampled area	--	--	279	42	320	44	11,841	216	12,441	223

Table A4: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Eastside

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	701	61	31	14	--	--	302	42	1,034	76
Other unreserved forest land	801	63	482	52	6	6	231	37	1,519	90
Total, unreserved	1,501	86	513	54	6	6	532	56	2,553	116
Reserved forest land:										
Reserved productive forest land	54	18	--	--	6	6	--	--	60	19
Other reserved forest land	106	26	121	27	9	8	--	--	235	39
Total, reserved forest land	160	32	121	27	15	10	--	--	296	43
Total, forest land	1,661	92	634	58	21	12	532	56	2,849	123
Nonforest and other area:										
Nonforest land	1,074	72	3,775	142	311	42	1,278	85	6,438	185
Noncensus water	--	--	6	6	--	--	6	6	12	9
Census water	--	--	--	--	287	42	--	--	287	42
Total, nonforest and other area	1,074	72	3,781	142	598	59	1,284	85	6,737	189
Total, all sampled area	2,736	113	4,415	151	618	61	1,817	102	9,586	222

Table A5: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Klamath Interior Coast Ranges

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	2,570	106	138	29	17	9	1,665	93	4,390	144
Other unreserved forest land	353	45	116	25	22	11	1,228	80	1,719	95
Total, unreserved	2,924	112	254	39	38	14	2,893	121	6,109	169
Reserved forest land:										
Reserved productive forest land	1,338	73	67	20	7	5	--	--	1,412	76
Other reserved forest land	279	40	66	19	25	12	--	--	370	47
Total, reserved forest land	1,616	81	134	28	32	14	--	--	1,782	87
Total, forest land	4,540	133	387	47	70	20	2,893	121	7,891	186
Nonforest and other area:										
Nonforest land	344	42	351	45	67	18	2,163	107	2,925	124
Noncensus water	7	4	2	2	2	2	45	14	56	15
Census water	--	--	--	--	164	31	--	--	164	31
Total, nonforest and other area	351	42	353	45	233	36	2,208	108	3,145	129
Total, all sampled area	4,891	139	740	66	303	42	5,101	162	11,036	227

Table A6: Area of Sampled Land by Land Status and Owner Group, 2007-2016: North Coast

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	23	12	43	16	62	18	2,019	97	2,147	101
Other unreserved forest land	7	6	2	3	8	5	206	32	224	33
Total, unreserved	30	13	45	17	70	20	2,225	102	2,371	105
Reserved forest land:										
Reserved productive forest land	12	9	109	26	152	27	--	--	272	39
Other reserved forest land	--	--	7	6	49	17	--	--	56	18
Total, reserved forest land	12	9	116	26	201	32	--	--	329	42
Total, forest land	41	16	161	31	271	34	2,225	102	2,699	111
Nonforest and other area:										
Nonforest land	--	--	100	25	96	23	1,109	79	1,305	86
Noncensus water	--	--	--	--	1	2	24	11	25	11
Census water	--	--	--	--	1,041	73	--	--	1,041	73
Total, nonforest and other area	--	--	100	25	1,138	77	1,133	80	2,371	113
Total, all sampled area	41	16	261	40	1,409	84	3,359	132	5,070	161

Table A7: Area of Sampled Land by Land Status and Owner Group, 2007-2016: Sierra Cascades

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	5,421	135	79	21	56	18	2,962	114	8,520	177
Other unreserved forest land	791	65	269	39	98	25	2,260	103	3,418	129
Total, unreserved	6,212	141	348	45	154	31	5,223	146	11,937	207
Reserved forest land:										
Reserved productive forest land	1,218	77	883	59	68	20	--	--	2,170	99
Other reserved forest land	618	56	362	46	69	20	--	--	1,049	75
Total, reserved forest land	1,836	86	1,246	72	138	28	--	--	3,219	115
Total, forest land	8,048	159	1,594	79	292	41	5,223	146	15,156	226
Nonforest and other area:										
Nonforest land	1,603	84	1,140	78	155	27	3,352	133	6,250	177
Noncensus water	22	7	8	4	3	2	13	6	47	10
Census water	--	--	--	--	288	41	--	--	288	41
Total, nonforest and other area	1,626	85	1,148	78	446	50	3,365	133	6,584	182
Total, all sampled area	9,674	172	2,742	105	737	65	8,587	192	21,740	277

Table A8: Area of Sampled Land by Land Status and Owner Group, 2007-2016: South Coast Mountains and Deserts

Land status	Ownership group									
	National forest		Other federal		State and local govt.		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>									
Unreserved forest land:										
Timberland	144	29	2	2	--	--	27	12	173	31
Other unreserved forest land	342	43	93	23	19	9	261	38	715	62
Total, unreserved	485	51	95	23	19	9	288	40	888	70
Reserved forest land:										
Reserved productive forest land	119	28	--	--	10	8	--	--	129	29
Other reserved forest land	154	31	130	28	52	18	--	--	336	45
Total, reserved forest land	273	41	130	28	62	19	--	--	465	53
Total, forest land	759	65	225	36	80	21	288	40	1,353	87
Nonforest and other area:										
Nonforest land	1,739	87	17,367	169	1,788	77	10,657	221	31,551	288
Noncensus water	2	2	6	6	--	--	6	6	14	9
Census water	--	--	--	--	1,990	90	--	--	1,990	90
Total, nonforest and other area	1,741	87	17,373	169	3,778	117	10,663	221	33,555	299
Total, all sampled area	2,500	105	17,598	169	3,858	119	10,951	224	34,908	308

Table A9: Area of forest land by Owner Group and Forest Land Status, 2007-2016: All California

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>													
USDA Forest Service:														
National Forest	8,860	121	2,376	99	11,236	121	2,770	90	1,287	77	4,058	93	15,294	123
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8,860	121	2,376	99	11,236	121	2,770	90	1,287	77	4,058	93	15,294	123
Other federal government:														
Bureau of Land Management	280	41	914	69	1,194	79	77	22	213	36	290	42	1,483	86
Department of Defense and Energy	14	9	77	21	91	23	--	--	6	6	6	6	97	24
National Park Service	--	--	--	--	--	--	979	61	470	52	1,449	76	1,449	76
U.S. Fish and Wildlife Service	--	--	--	--	--	--	4	4	1	1	4	4	4	4
Other federal	--	--	94	23	94	23	--	--	14	9	14	9	108	24
Total	294	41	1,085	74	1,379	84	1,060	62	703	62	1,763	82	3,142	100
State and local government:														
Local	58	18	139	27	197	33	39	14	166	30	204	32	401	45
State	92	21	48	17	139	27	280	33	275	38	555	48	694	47
Other public	--	--	9	7	9	7	5	5	6	6	11	8	19	11
Total	150	28	195	33	345	43	323	35	447	46	770	54	1,115	62
Private:														
Corporate	4,342	122	825	67	5,167	135	--	--	--	--	--	--	5,167	135
Noncorporate private:														
Total, noncorporate private	2,821	113	4,344	132	7,165	162	--	--	--	--	--	--	7,165	162
All private	7,163	119	5,169	140	12,332	153	--	--	--	--	--	--	12,332	153
All owners	16,467	168	8,825	187	25,292	203	4,153	115	2,438	109	6,591	135	31,882	201

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A10: Area of forest land by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>														
USDA Forest Service:														
National Forest	2	1	83	21	84	21	29	13	131	28	160	31	244	37
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2	1	83	21	84	21	29	13	131	28	160	31	244	37
Other federal government:														
Bureau of Land Management	--	--	63	19	63	19	--	--	11	8	11	8	74	21
Department of Defense and Energy	--	--	49	16	49	16	--	--	--	--	--	--	49	16
National Park Service	--	--	--	--	--	--	--	--	6	6	6	6	6	6
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	11	8	11	8	--	--	--	--	--	--	11	8
Total	--	--	123	26	123	26	--	--	17	10	17	10	139	28
State and local government:														
Local	--	--	29	12	29	12	39	14	111	24	150	27	179	29
State	15	9	9	7	24	11	38	15	120	25	158	29	181	31
Other public	--	--	--	--	--	--	5	5	6	6	11	8	11	8
Total	15	9	38	14	53	17	81	22	237	33	318	38	371	40
Private:														
Corporate	38	15	144	27	182	31	--	--	--	--	--	--	182	31
Noncorporate private:														
Total, noncorporate private	149	29	760	62	909	68	--	--	--	--	--	--	909	68
All private	188	33	904	67	1,092	74	--	--	--	--	--	--	1,092	74
All owners	204	34	1,148	76	1,351	83	110	25	384	44	494	49	1,846	96

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A11: Area of forest land by Owner Group and Forest Land Status, 2007-2016: Central Valley

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	1	1	1	1	1	1
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	1	1	1	1	1	1
State and local government:														
Local	--	--	4	3	4	3	--	--	--	--	--	--	4	3
State	--	--	--	--	--	--	--	--	5	5	5	5	5	5
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	4	3	4	3	--	--	5	5	5	5	9	6
Private:														
Corporate	--	--	7	6	7	6	--	--	--	--	--	--	7	6
Noncorporate private:														
Total, noncorporate private	--	--	72	19	72	19	--	--	--	--	--	--	72	19
All private	--	--	78	20	79	20	--	--	--	--	--	--	79	20
All owners	--	--	83	20	83	20	--	--	6	5	6	5	89	21

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A12: Area of forest land by Owner Group and Forest Land Status, 2007-2016: Eastside

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>														
USDA Forest Service:														
National Forest	701	61	801	63	1,501	86	54	18	106	26	160	32	1,661	92
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	701	61	801	63	1,501	86	54	18	106	26	160	32	1,661	92
Other federal government:														
Bureau of Land Management	31	14	454	51	486	52	--	--	54	19	54	19	540	55
Department of Defense and Energy	--	--	28	13	28	13	--	--	--	--	--	--	28	13
National Park Service	--	--	--	--	--	--	--	--	66	20	66	20	66	20
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	31	14	482	52	513	54	--	--	121	27	121	27	634	58
State and local government:														
Local	--	--	6	6	6	6	--	--	--	--	--	--	6	6
State	--	--	--	--	--	--	6	6	9	8	15	10	15	10
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	6	6	6	6	6	6	9	8	15	10	21	12
Private:														
Corporate	207	35	72	21	279	41	--	--	--	--	--	--	279	41
Noncorporate private:														
Total, noncorporate private	95	23	159	31	254	39	--	--	--	--	--	--	254	39
All private	302	42	231	37	532	56	--	--	--	--	--	--	532	56
All owners	1,034	76	1,519	90	2,553	116	60	19	235	39	296	43	2,849	123

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A13: Area of forest land by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>													
USDA Forest Service:														
National Forest	2,570	106	353	45	2,924	112	1,338	73	279	40	1,616	81	4,540	133
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,570	106	353	45	2,924	112	1,338	73	279	40	1,616	81	4,540	133
Other federal government:														
Bureau of Land Management	138	29	109	25	247	39	7	6	23	12	29	14	276	41
Department of Defense and Energy	--	--	--	--	--	--	--	--	6	6	6	6	6	6
National Park Service	--	--	--	--	--	--	61	19	36	14	97	24	97	24
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	7	5	7	5	--	--	1	1	1	1	8	6
Total	138	29	116	25	254	39	67	20	66	19	134	28	387	47
State and local government:														
Local	8	7	11	8	19	10	--	--	6	6	6	6	25	12
State	9	6	10	7	19	9	7	5	19	11	26	13	44	16
Other public	--	--	1	1	1	1	--	--	--	--	--	--	1	1
Total	17	9	22	11	38	14	7	5	25	12	32	14	70	20
Private:														
Corporate	916	71	233	36	1,149	80	--	--	--	--	--	--	1,149	80
Noncorporate private:														
Total, noncorporate private	749	65	995	72	1,744	96	--	--	--	--	--	--	1,744	96
All private	1,665	93	1,228	80	2,893	121	--	--	--	--	--	--	2,893	121
All owners	4,390	144	1,719	95	6,109	169	1,412	76	370	47	1,782	87	7,891	186

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A14: Area of forest land by Owner Group and Forest Land Status, 2007-2016: North Coast

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>													
USDA Forest Service:														
National Forest	23	12	7	6	30	13	12	9	--	--	12	9	41	16
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	23	12	7	6	30	13	12	9	--	--	12	9	41	16
Other federal government:														
Bureau of Land Management	31	14	--	--	31	14	62	20	--	--	62	20	93	24
Department of Defense and Energy	12	9	--	--	12	9	--	--	--	--	--	--	12	9
National Park Service	--	--	--	--	--	--	44	17	7	6	51	18	51	18
U.S. Fish and Wildlife Service	--	--	--	--	--	--	4	4	--	--	4	4	4	4
Other federal	--	--	2	3	2	3	--	--	--	--	--	--	2	3
Total	43	16	2	3	45	17	109	26	7	6	116	26	161	31
State and local government:														
Local	15	9	7	5	22	11	--	--	37	14	37	14	59	18
State	47	16	2	2	49	16	152	27	12	9	164	28	212	28
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	62	18	8	5	70	20	152	27	49	17	201	32	271	34
Private:														
Corporate	1,200	79	39	14	1,239	81	--	--	--	--	--	--	1,239	81
Noncorporate private:														
Total, noncorporate private	819	67	167	29	986	73	--	--	--	--	--	--	986	73
All private	2,019	97	206	32	2,225	102	--	--	--	--	--	--	2,225	102
All owners	2,147	101	224	33	2,371	105	272	39	56	18	329	42	2,699	111

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A15: Area of forest land by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>													
USDA Forest Service:														
National Forest	5,421	135	791	65	6,212	141	1,218	77	618	56	1,836	86	8,048	159
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	5,421	135	791	65	6,212	141	1,218	77	618	56	1,836	86	8,048	159
Other federal government:														
Bureau of Land Management	79	21	250	38	330	44	9	7	92	24	101	25	431	49
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	874	59	268	40	1,143	68	1,143	68
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	18	10	18	10	--	--	2	2	2	2	21	10
Total	79	21	269	39	348	45	883	59	362	46	1,246	72	1,594	79
State and local government:														
Local	35	15	63	20	98	25	--	--	5	5	5	5	104	25
State	21	11	27	13	48	17	68	20	64	20	132	28	180	32
Other public	--	--	8	7	8	7	--	--	--	--	--	--	8	7
Total	56	18	98	25	154	31	68	20	69	20	138	28	292	41
Private:														
Corporate	1,975	100	288	40	2,264	107	--	--	--	--	--	--	2,264	107
Noncorporate private:														
Total, noncorporate private	987	73	1,972	97	2,959	119	--	--	--	--	--	--	2,959	119
All private	2,962	114	2,260	103	5,223	146	--	--	--	--	--	--	5,223	146
All owners	8,520	177	3,418	129	11,937	207	2,170	99	1,049	75	3,219	115	15,156	226

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A16: Area of forest land by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Owner class	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>													
USDA Forest Service:														
National Forest	144	29	342	43	485	51	119	28	154	31	273	41	759	65
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	144	29	342	43	485	51	119	28	154	31	273	41	759	65
Other federal government:														
Bureau of Land Management	--	--	38	15	38	15	--	--	33	14	33	14	70	20
Department of Defense and Energy	2	2	--	--	2	2	--	--	--	--	--	--	2	2
National Park Service	--	--	--	--	--	--	--	--	87	23	87	23	87	23
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	55	18	55	18	--	--	11	8	11	8	66	20
Total	2	2	93	23	95	23	--	--	130	28	130	28	225	36
State and local government:														
Local	--	--	19	9	19	9	--	--	6	6	6	6	24	11
State	--	--	--	--	--	--	10	8	46	17	56	18	56	18
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	19	9	19	9	10	8	52	18	62	19	80	21
Private:														
Corporate	5	5	42	17	47	17	--	--	--	--	--	--	47	17
Noncorporate private:														
Total, noncorporate private	22	11	219	34	241	36	--	--	--	--	--	--	241	36
All private	27	12	261	38	288	40	--	--	--	--	--	--	288	40
All owners	173	31	715	62	888	70	129	29	336	45	465	53	1,353	87

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A17: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: All California

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	4,191	121	1,031	69	68	20	446	47	30	13	50	17	1,662	90	--	--	509	53	3	3	7,990	173
Douglas-fir	157	29	174	32	19	11	51	18	24	12	30	14	342	44	--	--	336	43	--	--	1,133	79
Fir / spruce / mountain hemlock	1,107	75	463	51	6	6	193	33	10	8	11	8	189	32	--	--	71	21	--	--	2,049	104
Western Hemlock / Sitka spruce	--	--	--	--	--	--	1	1	1	1	1	1	28	14	--	--	7	7	--	--	39	15
Lodgepole pine	228	36	485	50	--	--	233	36	9	8	6	6	31	14	--	--	35	15	--	--	1,026	74
Pinyon / juniper	11	8	717	60	--	--	563	56	--	--	82	22	--	--	44	17	--	--	121	26	1,537	91
Ponderosa pine	1,245	76	228	36	34	14	37	14	4	4	18	10	461	50	4	3	325	42	2	2	2,357	108
Redwood	3	3	17	10	--	--	31	14	38	15	65	19	379	47	--	--	219	35	--	--	753	64
Western white pine	30	13	123	27	--	--	13	9	--	--	--	--	--	--	--	--	--	--	--	--	166	31
Other western softwoods	166	30	919	70	24	11	480	50	--	--	31	14	24	12	73	21	43	16	296	42	2,054	105
Total	7,136	130	4,157	117	150	30	2,048	90	116	25	292	39	3,116	113	122	27	1,544	88	421	49	19,103	219
Hardwoods:																						
Alder / maple	27	12	16	9	12	7	28	13	--	--	7	6	87	22	1	1	34	14	17	8	229	35
Aspen / birch	13	8	44	15	--	--	9	7	--	--	1	1	4	4	--	--	--	--	--	--	71	19
Elm / ash / cottonwood	--	--	5	5	--	--	1	1	--	--	8	6	--	--	3	2	--	--	15	8	32	11
Tanoak / laurel	203	34	220	36	13	8	59	19	11	8	150	30	505	54	28	12	546	56	100	24	1,835	99
Western oak	905	70	1,541	90	103	25	528	52	18	10	445	45	374	47	662	60	583	57	3,639	122	8,799	191
Woodland hardwoods	28	13	92	22	--	--	63	19	--	--	14	9	--	--	--	--	--	--	30	12	227	35
Exotic hardwoods	--	--	--	--	2	2	--	--	--	--	--	--	--	--	--	--	--	--	3	2	5	3
Other hardwoods	130	27	82	22	11	8	29	13	4	4	40	16	57	17	3	3	90	23	95	22	540	55
Total	1,306	82	2,000	100	141	28	716	61	34	13	666	55	1,028	74	697	61	1,253	81	3,898	125	11,738	212
Nonstocked	418	47	277	40	3	2	84	22	--	--	7	5	198	31	7	7	25	10	24	10	1,042	74
All forest types	8,860	121	6,434	131	294	41	2,848	97	150	28	965	62	4,342	122	825	67	2,821	113	4,344	132	31,882	201

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A18: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>																					
Softwoods:																						
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	14	10	--	--	15	10	
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	40	15	--	--	40	15	--	--	1	1	--	--	8	7	--	--	22	11	111	25
Ponderosa pine	--	--	4	4	--	--	6	6	--	--	6	6	--	--	--	--	--	--	--	--	16	10
Redwood	--	--	17	10	--	--	--	--	7	6	27	13	7	6	--	--	87	22	--	--	145	29
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	7	6	--	--	10	8	--	--	17	10
Total	--	--	60	19	--	--	46	17	7	6	35	14	14	9	8	7	112	26	22	11	304	42
Hardwoods:																						
Alder / maple	--	--	--	--	--	--	--	--	--	--	5	5	--	--	--	--	--	--	5	4	10	7
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	3	2	--	--	1	1	4	2	
Tanoak / laurel	2	1	16	9	--	--	1	2	6	6	56	18	17	10	14	7	12	8	42	16	165	30
Western oak	--	--	145	28	--	--	91	22	--	--	236	32	7	7	119	25	10	7	662	57	1,271	79
Woodland hardwoods	--	--	3	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	2
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	2	3	2
Other hardwoods	--	--	18	10	--	--	--	--	2	3	22	12	--	--	--	--	16	9	21	11	79	21
Total	2	1	182	32	--	--	93	23	8	7	319	37	24	12	136	27	38	14	733	61	1,534	87
Nonstocked	--	--	--	--	--	--	--	--	--	--	2	2	--	--	--	--	--	--	5	5	7	5
All forest types	2	1	243	37	--	--	139	28	15	9	356	39	38	15	144	27	149	29	760	62	1,846	96

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A19: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Central Valley

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:																						
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	5	5	--	--	--	--	--	--	7	6	12	8
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	--	--	--	--	1	1	--	--	4	3	--	--	7	6	--	--	65	18	76	19
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1	1	--	--	9	6	--	--	7	6	--	--	72	19	89	21
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	--	--	--	--	--	--	1	1	--	--	9	6	--	--	7	6	--	--	72	19	89	21

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A20: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Eastside

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	168	31	7	6	--	--	2	2	--	--	--	--	68	20	--	--	31	14	--	--	276	40
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	68	19	22	12	--	--	--	--	--	--	5	5	13	8	--	--	10	8	--	--	117	26
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	22	11	18	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40	15
Pinyon / juniper	6	6	332	43	--	--	273	40	--	--	6	6	--	--	2	2	--	--	14	9	633	60
Ponderosa pine	264	37	25	12	10	7	--	--	--	--	--	--	70	20	4	3	33	13	--	--	405	47
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	76	20	477	50	22	11	277	39	--	--	9	8	--	--	66	20	5	5	139	29	1,070	77
Total	603	56	881	67	31	14	552	55	--	--	20	11	151	30	72	21	78	21	153	31	2,541	116
Hardwoods:																						
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	11	8	17	10	--	--	1	1	--	--	1	1	--	--	--	--	--	--	--	--	31	13
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	6	6	1	1	--	--	12	9	--	--	--	--	1	2	--	--	--	--	--	--	20	11
Woodland hardwoods	22	11	16	10	--	--	17	10	--	--	--	--	--	--	--	--	--	--	--	--	55	18
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	10	7	13	9	--	--	--	--	--	--	--	--	5	5	--	--	7	7	--	--	35	14
Total	49	16	48	17	--	--	30	13	--	--	1	1	6	5	--	--	7	7	--	--	141	28
Nonstocked	49	16	32	13	--	--	20	11	--	--	--	--	49	17	--	--	10	6	6	5	166	30
All forest types	701	61	961	70	31	14	603	57	--	--	21	12	207	35	72	21	95	23	159	31	2,849	123

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A21: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	1,414	82	575	53	51	18	4	4	11	7	6	5	463	51	--	--	145	29	--	--	2,669	115
Douglas-fir	145	28	163	31	4	5	7	7	2	2	--	--	54	18	--	--	123	26	--	--	498	53
Fir / spruce / mountain hemlock	99	24	194	34	--	--	--	--	--	--	--	--	31	13	--	--	7	7	--	--	329	44
Western Hemlock / Sitka spruce	--	--	--	--	--	--	1	1	--	--	1	1	--	--	--	--	--	--	--	--	2	2
Lodgepole pine	6	6	19	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	12
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	94	22	37	14	10	8	5	5	--	--	--	--	37	13	--	--	26	11	--	--	208	33
Redwood	--	--	--	--	--	--	19	11	--	--	--	--	--	--	--	--	14	9	--	--	32	15
Western white pine	12	9	37	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	49	17
Other western softwoods	11	8	24	11	1	1	12	9	--	--	2	2	--	--	6	6	--	--	20	11	75	20
Total	1,780	91	1,048	68	66	20	47	17	12	7	8	6	585	57	6	6	315	42	20	11	3,887	135
Hardwoods:																						
Alder / maple	21	10	11	8	11	7	22	12	--	--	--	--	7	7	--	--	22	11	7	5	101	23
Aspen / birch	--	--	4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	4
Elm / ash / cottonwood	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	2	2	3	2
Tanoak / laurel	192	33	193	34	3	3	6	6	--	--	3	5	62	19	--	--	158	30	16	9	633	60
Western oak	456	50	594	59	49	17	166	30	4	5	42	15	197	34	227	36	217	36	942	70	2,895	125
Woodland hardwoods	--	--	5	5	--	--	2	2	--	--	--	--	--	--	--	--	--	--	2	1	9	6
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	61	18	22	11	7	7	6	6	--	--	--	--	28	13	--	--	26	12	3	2	153	29
Total	730	62	829	68	70	20	203	33	4	5	45	16	294	42	227	36	423	50	973	71	3,798	141
Nonstocked	61	19	93	23	3	2	--	--	--	--	--	--	37	13	--	--	11	8	2	2	206	34
All forest types	2,570	106	1,970	92	138	29	249	37	17	9	54	18	916	71	233	36	749	65	995	72	7,891	186

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A22: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: North Coast

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand acres</i>																					
Softwoods:																						
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	3	3	--	--	--	--	--	--	3	3	
Douglas-fir	12	8	12	9	14	9	44	17	22	12	30	14	287	40	--	--	198	34	--	--	619	59
Fir / spruce / mountain hemlock	5	4	--	--	--	--	--	--	--	--	--	--	4	4	--	--	--	--	--	--	9	6
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	1	1	--	--	28	14	--	--	7	7	--	--	37	15
Lodgepole pine	--	--	--	--	--	--	4	4	--	--	--	--	--	--	--	--	--	--	--	--	4	4
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	12	9	31	14	38	15	373	46	--	--	118	26	--	--	572	56
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	1	1	--	--	12	9	1	1	--	--	11	8	--	--	25	12
Total	17	10	12	9	14	9	61	20	54	17	80	21	696	62	--	--	335	43	--	--	1,269	81
Hardwoods:																						
Alder / maple	6	6	--	--	1	1	6	6	--	--	2	2	69	19	1	1	--	--	5	5	90	22
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	10	7	51	18	5	5	84	23	390	48	14	10	363	47	29	13	947	73
Western oak	--	--	7	6	18	11	--	--	2	1	29	11	18	10	24	11	86	23	131	26	314	41
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	1	1
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	1	1	13	10	15	9	--	--	35	14	2	2	66	19
Total	6	6	7	6	29	13	57	18	8	5	130	27	492	53	39	14	484	53	167	29	1,419	87
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	11	7	--	--	--	--	--	--	11	7
All forest types	23	12	18	11	43	16	118	26	62	18	209	32	1,200	79	39	14	819	67	167	29	2,699	111

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A23: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	2,578	108	415	49	17	10	440	47	20	11	39	15	1,128	77	--	--	325	43	3	3	4,965	151
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	925	70	248	38	6	6	193	33	10	8	6	7	141	28	--	--	54	18	--	--	1,582	93
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	200	34	430	47	--	--	230	36	9	8	6	6	31	14	--	--	35	15	--	--	939	71
Pinyon / juniper	5	5	169	32	--	--	125	27	--	--	47	18	--	--	--	--	--	--	18	9	364	47
Ponderosa pine	870	66	127	27	15	9	26	12	4	4	11	8	349	44	--	--	267	38	2	2	1,670	93
Redwood	3	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	3
Western white pine	18	10	86	23	--	--	13	9	--	--	--	--	--	--	--	--	--	--	--	--	117	27
Other western softwoods	60	18	418	48	2	2	189	33	--	--	8	7	16	9	1	1	16	10	136	28	846	69
Total	4,659	130	1,893	91	39	15	1,215	73	42	16	118	27	1,665	92	1	1	697	62	159	30	10,488	199
Hardwoods:																						
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	12	8	--	--	12	8	--	--	23	11
Aspen / birch	2	2	23	10	--	--	8	7	--	--	--	--	4	4	--	--	--	--	--	--	36	13
Elm / ash / cottonwood	--	--	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	4	9	6
Tanoak / laurel	10	7	12	8	--	--	--	--	--	--	--	--	36	14	--	--	12	8	13	8	83	21
Western oak	401	48	517	53	36	15	246	37	13	8	107	26	151	30	277	40	255	38	1,718	91	3,720	135
Woodland hardwoods	6	6	45	16	--	--	--	--	--	--	6	6	--	--	--	--	--	--	15	8	72	20
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	60	18	21	11	4	4	4	5	1	1	5	5	9	6	3	3	6	6	57	18	171	30
Total	478	52	623	58	40	15	258	38	14	9	118	27	211	35	280	40	286	40	1,807	93	4,114	141
Nonstocked	285	39	111	25	--	--	42	16	--	--	--	--	100	22	7	7	4	3	6	5	555	55
All forest types	5,421	135	2,627	107	79	21	1,515	77	56	18	235	37	1,975	100	288	40	987	73	1,972	97	15,156	226

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table A24: Area of Forest Land by Forest Type, Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	USDA Forest Service				Other federal				State and local government				Private corporate				Private non-corporate				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand acres</i>																						
Softwoods:																						
California mixed conifer	31	14	33	15	--	--	--	--	--	--	5	6	--	--	--	--	7	7	--	--	77	22
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	11	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11	8
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	18	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18	11
Pinyon / juniper	--	--	176	32	--	--	125	28	--	--	27	13	--	--	35	15	--	--	67	20	429	51
Ponderosa pine	17	10	35	15	--	--	--	--	--	--	--	--	5	5	--	--	--	--	--	--	58	19
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	19	11	--	--	--	--	3	3	--	--	--	--	--	--	--	--	--	--	--	--	21	11
Total	77	22	263	40	--	--	127	28	--	--	32	14	5	5	35	15	7	7	67	20	614	61
Hardwoods:																						
Alder / maple	--	--	5	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	4
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	3	4	--	--	--	--	--	--	--	--	3	4
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	7	7	--	--	--	--	--	--	--	--	7	7
Western oak	42	15	277	39	--	--	12	7	--	--	27	12	--	--	7	7	15	9	123	25	503	52
Woodland hardwoods	--	--	22	10	--	--	44	16	--	--	7	7	--	--	--	--	--	--	13	8	87	22
Exotic hardwoods	--	--	--	--	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	2
Other hardwoods	--	--	7	6	--	--	18	11	--	--	--	--	--	--	--	--	--	--	11	7	36	14
Total	42	15	312	41	2	2	74	20	--	--	44	16	--	--	7	7	15	9	147	27	643	59
Nonstocked	24	12	40	15	--	--	22	12	--	--	4	5	--	--	--	--	--	--	6	4	96	23
All forest types	144	29	615	59	2	2	223	36	--	--	80	21	5	5	42	17	22	11	219	34	1,353	87

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 500 acre were estimated.

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table B1: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: All California

	Public						Private				Total		Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate					
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-24,985	1,320	-2,657	380	-1,237	314	-3,807	318	-3,944	298	-7,751	416	-36,630	1,459
Cut	-1,854	374	-8	8	-136	140	-10,610	1,240	-1,380	347	-11,990	1,271	-13,988	1,332
Gross Growth	32,308	630	4,295	355	3,361	340	19,410	830	13,528	730	32,938	855	72,903	1,087
Net	5,469	1,465	1,631	411	1,989	400	4,993	1,397	8,204	701	13,197	1,540	22,285	2,193
Foliage	367	73	79	21	95	20	278	72	363	32	641	78	1,181	111
Roots														
Live	1,226	288	284	91	377	79	1,065	289	1,520	145	2,584	318	4,472	445
Dead	618	199	-67	73	6	36	10	63	30	47	41	78	597	229
Standing Dead	4,277	983	-169	373	38	127	344	237	411	193	755	306	4,901	1,102
Dead Woody Debris	-464	668	227	300	111	159	-1,520	529	68	349	-1,451	634	-1,577	981
Understory Vegetation														
Above Ground	-67	56	-1	30	-21	9	41	46	-49	17	-8	49	-98	80
Below Ground	-7	6		3	-2	1	5	5	-5	2	-1	5	-11	9
Total (excluding soils)	11,418	1,395	1,983	660	2,592	465	5,215	1,857	10,543	895	15,758	2,040	31,751	2,586
Soils	256	308	364	144	75	74	58	253	190	172	248	306	943	465
Total (including soils)	11,674	1,470	2,347	702	2,667	481	5,273	1,853	10,734	905	16,007	2,040	32,694	2,641

Table B2: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Central Coast and Interior Ranges

	Public						Private				Total		Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate		Total	SE	Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-450	210	-57	61	-280	83	-97	39	-685	153	-781	157	-1,569	281
Cut	--	--	--	--	-3	3	--	--	-216	110	-216	110	-219	110
Gross Growth	172	66	55	28	945	243	441	129	1,575	327	2,016	350	3,188	431
Net	-278	175	-2	39	662	209	344	119	674	245	1,019	271	1,400	386
Foliage	-6	4		1	26	9	9	5	23	11	32	12	52	16
Roots														
Live	-40	29	4	6	119	44	35	19	62	44	97	48	181	71
Dead	35	27	3	4	22	14	3	5	37	16	39	17	99	35
Standing Dead	173	131	10	12	53	33	19	28	189	73	208	78	445	156
Dead Woody Debris	-94	38	63	36	106	66	-79	88	122	156	42	179	118	198
Understory Vegetation														
Above Ground	3	2			-6	4	-1	1	2	1		2	-3	4
Below Ground					-1									
Total (excluding soils)	-206	143	78	25	982	283	329	149	1,109	372	1,438	400	2,291	510
Soils		1	--	--	72	62	29	29	-6	16	23	33	94	70
Total (including soils)	-206	143	78	25	1,054	307	357	150	1,103	372	1,460	401	2,385	525

Table B3: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Central Valley

	Public						Private				Total			
	National forest		Other federal		State and local govt.		Corporate		Non Corporate					
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
<i>thousand metric tons CO2 equivalent per year</i>														
Standing Live tree														
Mortality					-14	15			-25	20	-25	20	-39	25
Cut					--	--			-5	5	-5	5	-5	5
Gross Growth					15	11			74	43	74	43	89	45
Net					1	8			44	27	44	27	45	28
Foliage									1	1	1	1	1	1
Roots														
Live						2			9	5	9	5	9	5
Dead					2	2			2	2	2	2	5	3
Standing Dead					8	8			9	8	9	8	17	11
Dead Woody Debris					6	5			9	9	9	9	16	10
Understory Vegetation														
Above Ground														
Below Ground														
Total (excluding soils)					17	13			74	39	74	39	91	41
Soils					--	--			--	--	--	--	--	--
Total (including soils)					17	13			74	39	74	39	91	41

Table B4: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Eastside

	Public						Private						Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-551	113	-12	6			-234	114	-19	12	-253	115	-816	161
Cut	-197	103	--	--	--	--	-306	116	-67	38	-373	122	-570	160
Gross Growth	1,224	149	122	20	23	23	423	114	137	47	560	123	1,929	199
Net	477	159	110	21	23	22	-116	147	51	25	-65	149	544	223
Foliage	31	9	7	1	1	1	-6	8	4	2	-1	8	38	13
Roots														
Live	103	35	20	4	3	4	-18	28	11	5	-6	29	121	46
Dead	-29	25	-4	3	-2	2	16	13	-5	4	11	13	-24	28
Standing Dead	-97	109	-16	11	-8	10	82	62	-23	20	59	65	-62	128
Dead Woody Debris	-161	121	80	64	-7	8	-26	64	-25	31	-52	71	-140	155
Understory Vegetation														
Above Ground	-36	23	24	28	-1	1	8	14	-7	6	1	15	-13	39
Below Ground	-4	3	3	3			1	2	-1	1		2	-1	4
Total (excluding soils)	284	245	224	77	9	7	-59	182	5	45	-54	187	463	319
Soils	144	105	107	101	--	--	-5	67	74	69	68	97	319	175
Total (including soils)	428	278	330	143	9	7	-64	204	79	81	14	220	781	383

Table B5: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Klamath Interior Coast Ranges

	Public						Private						Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-9,805	998	-507	169	-119	85	-1,040	193	-1,112	153	-2,152	244	-12,583	1,044
Cut	-131	74	-8	8	-1	1	-1,972	552	-133	59	-2,105	555	-2,245	560
Gross Growth	11,754	575	1,105	251	145	55	3,646	377	4,155	426	7,801	550	20,805	836
Net	1,818	997	590	173	24	88	634	614	2,910	357	3,544	708	5,977	1,238
Foliage	114	52	28	10	3	2	21	34	124	16	145	37	291	65
Roots														
Live	378	204	121	41	9	14	135	133	550	74	685	152	1,192	258
Dead	386	143	24	17	3	2	9	27	-22	32	-13	42	400	150
Standing Dead	2,231	697	100	53	33	22	107	110	-16	130	91	170	2,454	720
Dead Woody Debris	-510	373	-68	170	9	28	-72	254	82	157	10	299	-558	508
Understory Vegetation														
Above Ground	-27	25	-14	7	-2	1	25	17	-35	11	-10	20	-53	33
Below Ground	-3	3	-2	1			3	2	-4	1	-1	2	-6	4
Total (excluding soils)	4,388	878	779	237	79	69	861	733	3,590	470	4,451	868	9,697	1,260
Soils	-11	220	120	72	7	7	-103	95	101	87	-2	129	115	265
Total (including soils)	4,377	938	899	255	87	70	758	775	3,691	488	4,449	914	9,811	1,337

Table B6: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: North Coast

	Public						Private				Total		Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate					
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-73	44	-129	53	-616	295	-993	148	-622	115	-1,615	184	-2,432	353
Cut	--	--	--	--	-128	140	-3,673	895	-376	283	-4,049	935	-4,177	946
Gross Growth	241	128	728	211	1,584	319	7,631	744	3,776	481	11,407	842	13,959	922
Net	168	97	599	187	839	343	2,966	989	2,778	492	5,743	1,096	7,349	1,164
Foliage	4	5	23	11	42	17	187	50	128	22	315	55	384	58
Roots														
Live	9	24	89	39	159	66	643	208	556	100	1,199	229	1,457	242
Dead	9	6	-28	19	1	24	2	47	-15	20	-14	51	-32	59
Standing Dead	37	23	-84	75	-8	93	164	157	59	67	223	170	168	209
Dead Woody Debris	14	53	60	67	-26	125	-791	383	-197	179	-988	423	-940	449
Understory Vegetation														
Above Ground	-1	1		1	-6	3	-24	8	-6	3	-30	9	-37	9
Below Ground					-1		-3	1	-1		-3	1	-4	1
Total (excluding soils)	240	142	659	234	1,002	386	3,143	1,389	3,302	571	6,445	1,495	8,345	1,565
Soils	1	1	--	--	25	31	280	187	-38	79	242	204	267	206
Total (including soils)	241	142	659	234	1,026	387	3,422	1,327	3,264	557	6,687	1,432	8,613	1,505

Table B7: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: Sierra Cascades

	Public						Private				Total		Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate					
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-12,901	952	-1,904	343	-160	46	-1,444	197	-1,393	185	-2,837	267	-17,801	1,043
Cut	-1,477	350	--	--	-4	4	-4,659	721	-562	157	-5,221	734	-6,701	813
Gross Growth	18,432	667	2,276	233	620	164	7,267	532	3,736	349	11,003	596	32,332	909
Net	4,054	1,030	372	316	457	149	1,165	752	1,781	320	2,946	814	7,829	1,356
Foliage	260	50	21	15	22	8	67	38	85	15	152	41	456	67
Roots														
Live	945	194	59	69	90	29	270	147	347	71	617	163	1,712	264
Dead	182	130	-63	68	-14	19	-19	28	35	23	16	36	121	152
Standing Dead	1,756	663	-177	362	-26	51	-28	123	178	101	150	159	1,703	774
Dead Woody Debris	78	528	73	225	-15	33	-551	237	26	193	-524	306	-387	652
Understory Vegetation														
Above Ground	-25	43	-11	7	-8	7	33	40	-2	11	31	41	-12	60
Below Ground	-3	5	-1	1	-1	1	4	4		1	3	5	-1	7
Total (excluding soils)	7,249	1,057	275	565	505	160	941	962	2,450	432	3,392	1,052	11,420	1,596
Soils	153	183	96	71	-29	24	-142	120	68	103	-74	158	146	255
Total (including soils)	7,402	1,093	370	595	477	163	800	1,000	2,518	446	3,318	1,093	11,566	1,657

Table B8: Annual Net Change in Carbon Stocks on Forest Land for All Pools by Owner Group, 2001-2006 to 2011-2016: South Coast Mountains and Deserts

	Public						Private				Total		Total	
	National forest		Other federal		State and local govt.		Corporate		Non Corporate					
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Standing Live tree														
Mortality	-1,206	302	-48	45	-47	32			-88	42	-88	42	-1,389	309
Cut	-49	39	--	--	--	--			-21	17	-21	17	-70	42
Gross Growth	485	86	10	5	30	24			75	26	75	26	600	93
Net	-770	270	-38	43	-17	32			-34	40	-34	40	-859	278
Foliage	-37	12	-1	1		1			-2	1	-2	1	-40	13
Roots														
Live	-170	56	-9	8	-4	7			-16	11	-16	11	-198	58
Dead	36	38		8	-6	12			-1	4	-1	4	29	41
Standing Dead	176	168	-2	32	-14	53			14	22	14	22	176	180
Dead Woody Debris	208	99	18	25	37	53			52	50	52	50	315	125
Understory Vegetation														
Above Ground	18	8	1	1	1	1							20	8
Below Ground	2	1											2	1
Total (excluding soils)	-536	240	-31	39	-2	28			13	73	13	73	-556	255
Soils	-31	46	42	25	--	--			-9	6	-9	6	2	52
Total (including soils)	-567	260	11	41	-2	28			5	73	5	73	-554	274

Table B9: Annual Net Change in Carbon Stocks for Aboveground Pools on Forest Land by Disturbance, Forest Land Status and Owner Group, 2001-2006 to 2011-2016: All California

	USDA Forest Service								Other Public				Private							
	Timberland		Reserved		Low productive, unreserved		Total		Other federal		State and local govt.		Corporate		Non Corporate		Total		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons CO2 equivalent per year</i>																				
Cut																				
Mortality	-171	79	-7	8	--	--	-179	79	--	--	--	--	-362	76	-152	60	-514	97	-693	125
Cut	-1,069	253	-4	4	--	--	-1,073	253	-7	8	--	--	-8,633	1,141	-873	326	-9,506	1,175	-10,587	1,202
Gross Growth	1,162	208	18	19	--	--	1,180	208	17	18	--	--	3,651	382	794	222	4,445	431	5,642	479
Net Live	-78	182	7	7	--	--	-72	182	10	10	--	--	-5,345	996	-231	280	-5,576	1,033	-5,638	1,049
Standing Dead Change	-157	83	--	--	--	--	-157	83	--	--	--	--	-161	80	28	39	-133	89	-290	121
Dead Woody Debris Change	-96	86	-2	2	--	--	-98	86	5	6	--	--	-495	317	33	160	-463	356	-555	366
Total Net ¹	-362	290	6	6	--	--	-356	291	18	18	--	--	-7,238	1,385	-217	365	-7,455	1,431	-7,793	1,460
Cut and Fire																				
Mortality	-344	153	--	--	--	--	-344	153	--	--	-21	23	-449	171	-41	40	-490	176	-855	234
Cut	-538	272	--	--	--	--	-538	272	--	--	-128	140	-1,019	454	--	--	-1,019	454	-1,685	547
Gross Growth	245	82	--	--	--	--	245	82	--	--	69	75	205	73	7	7	211	74	525	133
Net Live	-637	295	--	--	--	--	-637	295	--	--	-80	87	-1,264	485	-34	34	-1,298	486	-2,015	575
Standing Dead Change	52	71	--	--	--	--	52	71	--	--	-1	1	101	74	-9	9	91	74	142	102
Dead Woody Debris Change	-64	48	--	--	--	--	-64	48	--	--	15	16	69	120	-10	10	59	121	10	131
Total Net ¹	-768	361	--	--	--	--	-768	361	--	--	-80	87	-1,344	520	-60	59	-1,404	523	-2,252	642
Fire																				
Mortality	-6,194	860	-4,934	898	-592	164	-11,720	1,252	-838	282	-251	136	-314	116	-504	148	-818	188	-13,626	1,304
Cut	-33	23	--	--	--	--	-33	23	--	--	--	--	-16	15	-47	29	-64	33	-96	40
Gross Growth	2,100	260	1,238	197	155	49	3,493	330	566	140	53	33	154	60	302	90	456	108	4,568	376
Net Live	-4,127	740	-3,696	812	-436	143	-8,259	1,107	-272	194	-197	106	-177	94	-249	116	-426	149	-9,154	1,138
Standing Dead Change	2,343	585	1,908	580	67	114	4,318	831	-111	296	72	43	18	80	69	66	87	103	4,367	889
Dead Woody Debris Change	-541	214	6	174	-4	52	-540	282	-68	105	16	44	-138	61	164	96	25	114	-567	325
Total Net ¹	-2,808	574	-2,232	557	-480	173	-5,519	816	-577	466	-139	110	-324	164	-60	120	-384	203	-6,620	968
Insect and Disease																				
Mortality	-2,917	354	-924	246	-140	82	-3,981	438	-673	195	-149	89	-454	106	-376	104	-830	148	-5,633	507
Cut	-87	41	--	--	--	--	-87	41	--	--	--	--	-49	24	-39	25	-88	35	-174	53
Gross Growth	4,528	397	857	172	66	29	5,452	433	528	136	270	118	1,210	240	929	229	2,139	328	8,388	568
Net Live	1,524	338	-67	198	-74	62	1,384	397	-145	135	120	76	708	176	514	176	1,221	247	2,581	493
Standing Dead Change	78	243	67	129	57	58	202	281	279	128	-47	96	-39	52	-23	72	-62	89	372	336
Dead Woody Debris Change	199	254	253	180	44	22	496	312	97	94	65	107	-71	73	-43	60	-115	94	544	355
Total Net ¹	2,187	423	273	190	18	45	2,478	466	267	149	167	102	747	207	555	202	1,302	288	4,213	575
Other cut and weather																				
Mortality	-469	133	-236	87	-93	44	-798	163	-30	15	-1	1	-219	100	-263	66	-482	119	-1,310	203
Cut	-74	30	-15	13	--	--	-89	33	--	--	-4	4	-279	111	-195	81	-475	137	-567	141
Gross Growth	1,007	195	304	91	74	38	1,385	217	92	58	46	48	811	210	737	175	1,548	272	3,070	356
Net Live	464	137	53	74	-19	20	498	157	62	58	42	43	312	157	279	132	591	205	1,192	268
Standing Dead Change	3	87	-63	98	41	23	-19	133	11	9	-15	17	15	10	113	38	128	40	105	140
Dead Woody Debris Change	28	140	97	69	30	37	154	160	9	18	49	40	-325	175	214	126	-110	215	102	272
Total Net ¹	582	189	72	115	49	39	704	223	95	75	80	52	61	203	692	207	754	290	1,633	377
Less than 25% disturbed																				
Mortality	-5,518	468	-2,119	275	-327	71	-7,964	538	-1,117	230	-815	279	-2,008	203	-2,608	218	-4,616	286	-14,513	706
Cut	-33	17	-1	1	-2	2	-35	18	--	--	-4	3	-612	145	-226	81	-838	165	-878	166
Gross Growth	15,054	621	4,601	379	898	136	20,554	690	3,093	345	2,923	354	13,380	804	10,760	668	24,140	909	50,710	1,205
Net Live	9,504	607	2,481	350	570	127	12,554	691	1,975	317	2,104	359	10,759	722	7,926	595	18,685	838	35,319	1,163
Standing Dead Change	357	321	-390	257	-87	57	-120	415	-348	188	30	66	410	188	233	158	643	245	205	522
Dead Woody Debris Change	-514	373	72	294	28	98	-413	484	184	263	-33	101	-559	354	-289	260	-848	439	-1,110	711
Total Net ¹	11,675	731	2,626	478	579	154	14,880	859	2,181	427	2,563	417	13,313	964	9,633	761	22,946	1,117	42,570	1,506
Total																				
Mortality	-15,613	974	-8,221	897	-1,151	200	-24,985	1,320	-2,657	380	-1,237	314	-3,807	318	-3,944	298	-7,751	416	-36,630	1,459
Cut	-1,833	373	-19	14	-2	2	-1,854	374	-8	8	-136	140	-10,610	1,240	-1,380	347	-11,990	1,271	-13,988	1,332
Gross Growth	24,097	606	7,018	382	1,194	152	32,308	630	4,295	355	3,361	340	19,410	830	13,528	730	32,938	855	72,903	1,087
Net Live	6,651	1,119	-1,222	932	41	204	5,469	1,465	1,631	411	1,989	400	4,993	1,397	8,204	701	13,197	1,540	22,285	2,193
Standing Dead Change	2,676	718	1,522	658	78	142	4,277	983	-169	373	38	127	344	237	411	193	755	306	4,901	1,102
Dead Woody Debris Change	-988	528	426	392	98	119	-464	668	227	300	111	159	-1,520	529	68	349	-1,451	634	-1,577	981
Total Net ¹	10,507	1,150	745	782	166	241	11,418	1,395	1,983	660	2,592	465	5,215	1,857	10,543	895	15,758	2,040	31,751	2,586

¹ Total Net value includes change from roots and understory vegetation which are not enumerated in this table.

Table B10: Annual Net Change Per Acre in Carbon Stock for Aboveground Pools on Forest Land by Disturbance, Forest Land Status and Owner Group, 2001-2006 to 2011-2016: All California

	USDA Forest Service						Other Public				Private				Total					
	Timberland		Reserved		Low productive, unreserved		Total		Other federal		State and local govt.		Corporate		Non Corporate		Total			
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE		
<i>metric tons CO2 equivalent per year and acre</i>																				
Cut																				
Mortality	-0.0192	0.0088	-0.0018	0.0018	--	--	-0.0120	0.0053	--	--	--	--	-0.0658	0.0138	-0.0247	0.0098	-0.0441	0.0083	-0.0228	0.0041
Cut	-0.1201	0.0283	-0.0010	0.0010	--	--	-0.0722	0.0170	-0.0026	0.0026	--	--	-1.5686	0.2023	-0.1417	0.0527	-0.8151	0.1008	-0.3484	0.0396
Gross Growth	0.1306	0.0233	0.0044	0.0044	--	--	0.0794	0.0140	0.0061	0.0063	--	--	0.6633	0.0672	0.1289	0.0357	0.3811	0.0370	0.1857	0.0158
Net Live	-0.0088	0.0204	0.0016	0.0016	--	--	-0.0048	0.0122	0.0035	0.0035	--	--	-0.9711	0.1786	-0.0375	0.0455	-0.4781	0.0886	-0.1855	0.0345
Standing Dead Change	-0.0176	0.0093	--	--	--	--	-0.0105	0.0056	--	--	--	--	-0.0293	0.0144	0.0046	0.0064	-0.0114	0.0076	-0.0095	0.0040
Dead Woody Debris Change	-0.0108	0.0097	-0.0004	0.0004	--	--	-0.0066	0.0058	0.0018	0.0020	--	--	-0.0900	0.0575	0.0053	0.0259	-0.0397	0.0305	-0.0183	0.0120
Total Net ¹	-0.0406	0.0326	0.0015	0.0015	--	--	-0.0239	0.0195	0.0063	0.0065	--	--	-1.3150	0.2482	-0.0352	0.0593	-0.6392	0.1227	-0.2564	0.0480
Cut and Fire																				
Mortality	-0.0387	0.0172	--	--	--	--	-0.0231	0.0103	--	--	-0.0198	0.0198	-0.0816	0.0311	-0.0066	0.0066	-0.0420	0.0151	-0.0281	0.0077
Cut	-0.0604	0.0305	--	--	--	--	-0.0362	0.0183	--	--	-0.1222	0.1222	-0.1852	0.0824	--	--	-0.0874	0.0390	-0.0555	0.0180
Gross Growth	0.0275	0.0092	--	--	--	--	0.0165	0.0055	--	--	0.0656	0.0656	0.0372	0.0133	0.0011	0.0011	0.0181	0.0063	0.0173	0.0044
Net Live	-0.0716	0.0331	--	--	--	--	-0.0428	0.0198	--	--	-0.0764	0.0764	-0.2297	0.0879	-0.0055	0.0055	-0.1113	0.0417	-0.0663	0.0189
Standing Dead Change	0.0058	0.0079	--	--	--	--	0.0035	0.0048	--	--	-0.0009	0.0009	0.0183	0.0134	-0.0015	0.0015	0.0078	0.0064	0.0047	0.0034
Dead Woody Debris Change	-0.0072	0.0054	--	--	--	--	-0.0043	0.0032	--	--	0.0140	0.0140	0.0125	0.0218	-0.0016	0.0016	0.0051	0.0103	0.0003	0.0043
Total Net ¹	-0.0863	0.0406	--	--	--	--	-0.0517	0.0243	--	--	-0.0762	0.0762	-0.2443	0.0942	-0.0097	0.0097	-0.1204	0.0449	-0.0741	0.0211
Fire																				
Mortality	-0.6961	0.0963	-1.2217	0.2227	-0.3063	0.0825	-0.7882	0.0841	-0.2984	0.0997	-0.2387	0.1289	-0.0571	0.0211	-0.0818	0.0239	-0.0701	0.0161	-0.4484	0.0429
Cut	-0.0037	0.0026	--	--	--	--	-0.0022	0.0016	--	--	--	--	-0.0029	0.0029	-0.0077	0.0048	-0.0055	0.0028	-0.0032	0.0013
Gross Growth	0.2360	0.0290	0.3065	0.0492	0.0805	0.0249	0.2350	0.0222	0.2016	0.0492	0.0509	0.0318	0.0279	0.0109	0.0490	0.0145	0.0391	0.0093	0.1503	0.0124
Net Live	-0.4638	0.0829	-0.9151	0.2013	-0.2258	0.0728	-0.5555	0.0743	-0.0968	0.0690	-0.1879	0.1006	-0.0321	0.0171	-0.0405	0.0188	-0.0365	0.0128	-0.3012	0.0375
Standing Dead Change	0.2634	0.0657	0.4724	0.1435	0.0346	0.0589	0.2904	0.0559	-0.0394	0.1055	0.0683	0.0408	0.0033	0.0145	0.0112	0.0107	0.0075	0.0089	0.1437	0.0293
Dead Woody Debris Change	-0.0608	0.0241	0.0014	0.0432	-0.0023	0.0271	-0.0363	0.0189	-0.0243	0.0374	0.0149	0.0417	-0.0251	0.0111	0.0265	0.0156	0.0022	0.0098	-0.0187	0.0107
Total Net ¹	-0.3155	0.0643	-0.5526	0.1380	-0.2484	0.0884	-0.3712	0.0548	-0.2057	0.1658	-0.1323	0.1048	-0.0589	0.0298	-0.0097	0.0194	-0.0329	0.0174	-0.2178	0.0318
Insect and Disease																				
Mortality	-0.3279	0.0395	-0.2288	0.0609	-0.0722	0.0418	-0.2677	0.0294	-0.2396	0.0688	-0.1421	0.0843	-0.0825	0.0192	-0.0611	0.0168	-0.0712	0.0126	-0.1854	0.0167
Cut	-0.0097	0.0045	--	--	--	--	-0.0058	0.0027	--	--	--	--	-0.0089	0.0043	-0.0063	0.0041	-0.0075	0.0030	-0.0057	0.0018
Gross Growth	0.5089	0.0437	0.2123	0.0426	0.0340	0.0149	0.3666	0.0289	0.1881	0.0482	0.2568	0.1119	0.2199	0.0431	0.1508	0.0368	0.1834	0.0281	0.2760	0.0187
Net Live	0.1713	0.0378	-0.0165	0.0491	-0.0382	0.0319	0.0931	0.0267	-0.0516	0.0479	0.1147	0.0730	0.1285	0.0318	0.0834	0.0283	0.1047	0.0212	0.0849	0.0162
Standing Dead Change	0.0087	0.0273	0.0167	0.0320	0.0297	0.0298	0.0136	0.0189	0.0993	0.0456	-0.0450	0.0920	-0.0071	0.0095	-0.0037	0.0116	-0.0053	0.0076	0.0122	0.0110
Dead Woody Debris Change	0.0224	0.0285	0.0627	0.0445	0.0227	0.0115	0.0334	0.0210	0.0345	0.0333	0.0622	0.1020	-0.0130	0.0133	-0.0070	0.0097	-0.0098	0.0081	0.0179	0.0117
Total Net ¹	0.2458	0.0473	0.0675	0.0471	0.0094	0.0232	0.1667	0.0313	0.0950	0.0530	0.1590	0.0971	0.1358	0.0374	0.0900	0.0327	0.1116	0.0247	0.1387	0.0189
Other cut and weather																				
Mortality	-0.0527	0.0149	-0.0585	0.0213	-0.0480	0.0222	-0.0536	0.0110	-0.0106	0.0055	-0.0006	0.0006	-0.0398	0.0180	-0.0427	0.0106	-0.0414	0.0102	-0.0431	0.0067
Cut	-0.0084	0.0034	-0.0036	0.0033	--	--	-0.0060	0.0022	--	--	-0.0034	0.0034	-0.0508	0.0202	-0.0317	0.0131	-0.0407	0.0117	-0.0187	0.0046
Gross Growth	0.1132	0.0218	0.0752	0.0225	0.0382	0.0195	0.0931	0.0146	0.0326	0.0206	0.0439	0.0451	0.1473	0.0379	0.1197	0.0283	0.1327	0.0233	0.1010	0.0117
Net Live	0.0522	0.0154	0.0131	0.0184	-0.0098	0.0104	0.0335	0.0106	0.0221	0.0205	0.0398	0.0406	0.0567	0.0284	0.0452	0.0214	0.0506	0.0176	0.0392	0.0088
Standing Dead Change	0.0004	0.0098	-0.0157	0.0242	0.0214	0.0117	-0.0012	0.0089	0.0038	0.0033	-0.0145	0.0145	0.0027	0.0018	0.0184	0.0062	0.0110	0.0034	0.0035	0.0046
Dead Woody Debris Change	0.0031	0.0157	0.0240	0.0171	0.0154	0.0190	0.0104	0.0107	0.0034	0.0065	0.0463	0.0378	-0.0590	0.0317	0.0348	0.0204	-0.0095	0.0185	0.0034	0.0089
Total Net ¹	0.0654	0.0212	0.0179	0.0286	0.0254	0.0202	0.0473	0.0150	0.0340	0.0267	0.0766	0.0490	0.0111	0.0369	0.1124	0.0335	0.0646	0.0249	0.0537	0.0124
Less than 25% disturbed																				
Mortality	-0.6201	0.0519	-0.5247	0.0667	-0.1694	0.0352	-0.5356	0.0362	-0.3981	0.0807	-0.7768	0.2631	-0.3648	0.0355	-0.4235	0.0331	-0.3958	0.0241	-0.4776	0.0232
Cut	-0.0037	0.0020	-0.0002	0.0002	-0.0009	0.0009	-0.0024	0.0012	-0.0001	0.0001	-0.0041	0.0032	-0.1113	0.0262	-0.0366	0.0131	-0.0719	0.0142	-0.0289	0.0055
Gross Growth	1.6918	0.0661	1.1393	0.0853	0.4651	0.0638	1.3823	0.0462	1.1021	0.1139	2.7847	0.3054	2.4309	0.1304	1.7470	0.0922	2.0698	0.0761	1.6687	0.0395
Net Live	1.0681	0.0668	0.6143	0.0831	0.2949	0.0627	0.8444	0.0464	0.7038	0.1085	2.0039	0.3262	1.9548	0.1201	1.2869	0.0861	1.6021	0.0708	1.1623	0.0382
Standing Dead Change	0.0401	0.0361	-0.0965	0.0635	-0.0452	0.0293	-0.0081	0.0279	-0.1240	0.0670	0.0287	0.0630	0.0745	0.0341	0.0379	0.0257	0.0552	0.0210	0.0067	0.0172
Dead Woody Debris Change	-0.0577	0.0419	0.0179	0.0727	0.0147	0.0506	-0.0278	0.0326	0.0657	0.0935	-0.0316	0.0963	-0.1016	0.0642	-0.0469	0.0422	-0.0727	0.0376	-0.0365	0.0234
Total Net ¹	1.3121	0.0806	0.6503	0.1153	0.2997	0.0775	1.0008	0.0580	0.7769	0.1478	2.4416	0.3752	2.4189	0.1628	1.5640	0.1122	1.9674	0.0949	1.4009	0.0496
Total																				
Mortality	-1.7547	0.1069	-2.0355	0.2206	-0.5959	0.0953	-1.6804	0.0883	-0.9467	0.1301	-1.1781	0.2932	-0.6917	0.0542	-0.6403	0.0443	-0.6646	0.0347	-1.2054	0.0480
Cut	-0.2060	0.0418	-0.0048	0.0035	-0.0009	0.0009	-0.1247	0.0251	-0.0027	0.0028	-0.1296	0.1333	-1.9277	0.2185	-0.2241	0.0559	-1.0280	0.1091	-0.4603	0.0439
Gross Growth	2.7081	0.0567	1.7376	0.0811	0.6178	0.0662	2.1729	0.0414	1.5305	0.1102	3.2020	0.2827	3.5266	0.1160	2.1964	0.0947	2.8241	0.0703	2.3991	0.0359
Net Live	0.7474	0.1253	-0.3027	0.2315	0.0211	0.1057	0.3678	0.0985	0.5810	0.1445	1.8942	0.3674	0.9072	0.2529	1.3320	0.1046	1.1315	0.1317	0.7334	0.0722
Standing Dead Change	0.3007	0.0807																		

Table B11: Annual Net Change in Carbon Stocks for Aboveground Pools on Timberland by Disturbance, and Owner Group, 2001-2006 to 2011-2016: All California

	USDA Forest Service		Other Public				Private				Total		Total	
	Total	SE	Other federal		State and local govt.		Corporate		Non Corporate		Total	SE	Total	SE
			Total	SE	Total	SE	Total	SE	Total	SE				
<i>thousand metric tons CO2 equivalent per year</i>														
Cut														
Mortality	-171	79	--	--	--	--	-362	76	-143	60	-506	96	-677	124
Cut	-1,069	253	-7	8	--	--	-8,633	1,141	-857	326	-9,490	1,175	-10,566	1,202
Gross Growth	1,162	208	16	18	--	--	3,651	382	787	222	4,437	431	5,616	479
Net Live	-78	182	9	10	--	--	-5,345	996	-213	280	-5,558	1,033	-5,627	1,049
Standing Dead Change	-157	83	--	--	--	--	-161	80	34	39	-127	89	-284	121
Dead Woody Debris Change	-96	86	5	6	--	--	-495	317	34	160	-461	356	-552	366
Total Net ¹	-362	290	17	18	--	--	-7,238	1,385	-185	364	-7,423	1,431	-7,768	1,460
Cut and Fire														
Mortality	-344	153	--	--	-21	23	-449	171	-41	40	-490	176	-855	234
Cut	-538	272	--	--	-128	140	-1,019	454	--	--	-1,019	454	-1,685	547
Gross Growth	245	82	--	--	69	75	205	73	7	7	211	74	525	133
Net Live	-637	295	--	--	-80	87	-1,264	485	-34	34	-1,298	486	-2,015	575
Standing Dead Change	52	71	--	--	-1	1	101	74	-9	9	91	74	142	102
Dead Woody Debris Change	-64	48	--	--	15	16	69	120	-10	10	59	121	10	131
Total Net ¹	-768	361	--	--	-80	87	-1,344	520	-60	59	-1,404	523	-2,252	642
Fire														
Mortality	-6,194	860	-9	9	--	--	-269	111	-204	109	-474	155	-6,676	874
Cut	-33	23	--	--	--	--	-16	15	-31	24	-47	28	-80	37
Gross Growth	2,100	260	43	31	--	--	139	60	183	78	322	99	2,464	279
Net Live	-4,127	740	34	24	--	--	-147	90	-52	88	-199	126	-4,292	751
Standing Dead Change	2,343	585	1	1	--	--	-5	77	63	52	58	93	2,403	592
Dead Woody Debris Change	-541	214	-3	3	--	--	-136	61	19	32	-117	69	-661	225
Total Net ¹	-2,808	574	39	28	--	--	-312	164	41	95	-271	189	-3,040	605
Insect and Disease														
Mortality	-2,917	354	-30	20	-60	67	-398	102	-320	101	-718	143	-3,726	388
Cut	-87	41	--	--	--	--	-49	24	-39	25	-88	35	-174	53
Gross Growth	4,528	397	23	15	62	59	1,116	236	826	226	1,942	324	6,555	515
Net Live	1,524	338	-7	5	2	18	669	174	467	174	1,136	245	2,655	417
Standing Dead Change	78	243	18	12	-57	79	-36	47	-36	68	-72	83	-34	269
Dead Woody Debris Change	199	254	-23	16	78	99	-73	73	-33	58	-107	93	147	288
Total Net ¹	2,187	423	-9	6	20	23	705	204	487	198	1,192	283	3,391	509
Other cut and weather														
Mortality	-469	133	-1	1	--	--	-213	99	-79	41	-293	107	-762	171
Cut	-74	30	--	--	--	--	-257	109	-183	80	-440	135	-514	138
Gross Growth	1,007	195	52	57	--	--	800	210	587	169	1,387	268	2,446	336
Net Live	464	137	51	56	--	--	330	155	324	127	654	200	1,170	249
Standing Dead Change	3	87	5	5	--	--	13	10		10	12	14	20	88
Dead Woody Debris Change	28	140	-6	7	--	--	-356	172	152	122	-203	211	-182	253
Total Net ¹	582	189	64	70	--	--	56	203	559	202	615	287	1,261	351
Less than 25% disturbed														
Mortality	-5,518	468	-210	80	-77	33	-1,798	195	-1,433	180	-3,231	256	-9,036	540
Cut	-33	17	--	--	-4	3	-522	131	-142	61	-663	143	-700	144
Gross Growth	15,054	621	651	170	955	256	12,619	798	7,750	641	20,369	902	37,029	1,123
Net Live	9,504	607	440	138	875	236	10,299	715	6,176	555	16,475	814	27,294	1,041
Standing Dead Change	357	321	35	27	-21	18	355	184	80	103	435	210	805	386
Dead Woody Debris Change	-514	373	110	67	-63	41	-596	351	-277	233	-873	420	-1,339	567
Total Net ¹	11,675	731	684	190	973	268	12,707	955	7,446	712	20,152	1,088	33,484	1,338
Total														
Mortality	-15,613	974	-249	81	-158	78	-3,491	310	-2,220	251	-5,711	382	-21,731	1,049
Cut	-1,833	373	-7	8	-132	140	-10,496	1,239	-1,252	342	-11,748	1,269	-13,720	1,330
Gross Growth	24,097	606	784	183	1,086	267	18,529	827	10,139	709	28,668	862	54,635	1,072
Net Live	6,651	1,119	528	151	796	260	4,542	1,392	6,667	662	11,209	1,520	19,184	1,907
Standing Dead Change	2,676	718	57	29	-79	81	267	232	131	141	398	271	3,052	773
Dead Woody Debris Change	-988	528	83	69	29	109	-1,587	526	-114	314	-1,702	612	-2,576	819
Total Net ¹	10,507	1,150	795	204	914	290	4,574	1,851	8,288	851	12,862	2,017	25,077	2,342

¹ Total Net value includes change from roots and understory vegetation which are not enumerated in this table.

Table B12: Annual Net Change Per Acre in Carbon Stock for Aboveground Pools on Timberland by Disturbance, and Owner Group, 2001-2006 to 2011-2016: All California

	USDA Forest Service		Other Public				Private				Total		Total	
			Other federal		State and local gov.		Corporate		Non Corporate					
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>metric tons CO2 equivalent per year and acre</i>														
Cut														
Mortality	-0.0192	0.0088	--	--	--	--	-0.0768	0.0161	-0.0589	0.0244	-0.0707	0.0135	-0.0411	0.0075
Cut	-0.1201	0.0283	-0.0305	0.0305	--	--	-1.8302	0.2341	-0.3523	0.1323	-1.3274	0.1628	-0.6417	0.0726
Gross Growth	0.1306	0.0233	0.0682	0.0682	--	--	0.7739	0.0776	0.3234	0.0893	0.6207	0.0597	0.3410	0.0289
Net Live	-0.0088	0.0204	0.0377	0.0377	--	--	-1.1330	0.2075	-0.0878	0.1150	-0.7775	0.1438	-0.3417	0.0636
Standing Dead Change	-0.0176	0.0093	--	--	--	--	-0.0342	0.0168	0.0139	0.0160	-0.0178	0.0124	-0.0173	0.0074
Dead Woody Debris Change	-0.0108	0.0097	0.0219	0.0219	--	--	-0.1050	0.0671	0.0141	0.0657	-0.0645	0.0497	-0.0335	0.0222
Total Net ¹	-0.0406	0.0326	0.0704	0.0704	--	--	-1.5343	0.2884	-0.0762	0.1497	-1.0383	0.1991	-0.4717	0.0884
Cut and Fire														
Mortality	-0.0387	0.0172	--	--	-0.1150	0.1150	-0.0952	0.0362	-0.0167	0.0167	-0.0685	0.0246	-0.0519	0.0142
Cut	-0.0604	0.0305	--	--	-0.7079	0.7079	-0.2161	0.0961	--	--	-0.1426	0.0635	-0.1023	0.0332
Gross Growth	0.0275	0.0092	--	--	0.3802	0.3802	0.0434	0.0155	0.0027	0.0027	0.0295	0.0103	0.0319	0.0081
Net Live	-0.0716	0.0331	--	--	-0.4426	0.4426	-0.2680	0.1025	-0.0140	0.0140	-0.1816	0.0680	-0.1224	0.0349
Standing Dead Change	0.0058	0.0079	--	--	-0.0050	0.0050	0.0214	0.0156	-0.0039	0.0039	0.0128	0.0104	0.0086	0.0062
Dead Woody Debris Change	-0.0072	0.0054	--	--	0.0810	0.0810	0.0146	0.0255	-0.0040	0.0040	0.0083	0.0169	0.0006	0.0079
Total Net ¹	-0.0863	0.0406	--	--	-0.4416	0.4416	-0.2850	0.1098	-0.0246	0.0246	-0.1964	0.0732	-0.1368	0.0390
Fire														
Mortality	-0.6961	0.0963	-0.0360	0.0360	--	--	-0.0571	0.0235	-0.0839	0.0443	-0.0662	0.0216	-0.4054	0.0530
Cut	-0.0037	0.0026	--	--	--	--	-0.0034	0.0034	-0.0128	0.0100	-0.0066	0.0040	-0.0049	0.0022
Gross Growth	0.2360	0.0290	0.1787	0.1253	--	--	0.0294	0.0127	0.0753	0.0319	0.0450	0.0138	0.1496	0.0169
Net Live	-0.4638	0.0829	0.1427	0.0953	--	--	-0.0312	0.0190	-0.0215	0.0362	-0.0279	0.0176	-0.2607	0.0456
Standing Dead Change	0.2634	0.0657	0.0022	0.0022	--	--	-0.0010	0.0163	0.0261	0.0212	0.0082	0.0130	0.1459	0.0360
Dead Woody Debris Change	-0.0608	0.0241	-0.0135	0.0137	--	--	-0.0289	0.0130	0.0079	0.0132	-0.0163	0.0097	-0.0402	0.0137
Total Net ¹	-0.3155	0.0643	0.1632	0.1133	--	--	-0.0660	0.0346	0.0168	0.0392	-0.0379	0.0265	-0.1846	0.0367
Insect and Disease														
Mortality	-0.3279	0.0395	-0.1242	0.1242	-0.3318	0.3603	-0.0844	0.0215	-0.1316	0.0409	-0.1005	0.0198	-0.2262	0.0235
Cut	-0.0097	0.0045	--	--	--	--	-0.0104	0.0050	-0.0160	0.0104	-0.0123	0.0048	-0.0106	0.0032
Gross Growth	0.5089	0.0437	0.0942	0.0942	0.3419	0.3145	0.2366	0.0493	0.3395	0.0912	0.2716	0.0450	0.3980	0.0309
Net Live	0.1713	0.0378	-0.0300	0.0300	0.0101	0.0988	0.1418	0.0366	0.1920	0.0705	0.1589	0.0341	0.1612	0.0252
Standing Dead Change	0.0087	0.0273	0.0736	0.0736	-0.3155	0.4296	-0.0076	0.0100	-0.0149	0.0279	-0.0101	0.0115	-0.0021	0.0163
Dead Woody Debris Change	0.0224	0.0285	-0.0955	0.0955	0.4283	0.5344	-0.0155	0.0155	-0.0138	0.0239	-0.0149	0.0130	0.0090	0.0175
Total Net ¹	0.2458	0.0473	-0.0381	0.0381	0.1130	0.1270	0.1494	0.0430	0.2004	0.0808	0.1668	0.0395	0.2059	0.0308
Other cut and weather														
Mortality	-0.0527	0.0149	-0.0022	0.0022	--	--	-0.0452	0.0210	-0.0327	0.0169	-0.0409	0.0150	-0.0463	0.0103
Cut	-0.0084	0.0034	--	--	--	--	-0.0544	0.0231	-0.0753	0.0329	-0.0615	0.0188	-0.0312	0.0084
Gross Growth	0.1132	0.0218	0.2166	0.2166	--	--	0.1696	0.0442	0.2413	0.0689	0.1940	0.0374	0.1485	0.0204
Net Live	0.0522	0.0154	0.2144	0.2144	--	--	0.0700	0.0327	0.1333	0.0519	0.0915	0.0280	0.0710	0.0151
Standing Dead Change	0.0004	0.0098	0.0189	0.0189	--	--	0.0027	0.0020	-0.0002	0.0042	0.0017	0.0020	0.0012	0.0054
Dead Woody Debris Change	0.0031	0.0157	-0.0256	0.0256	--	--	-0.0754	0.0364	0.0626	0.0502	-0.0284	0.0295	-0.0110	0.0154
Total Net ¹	0.0654	0.0212	0.2689	0.2689	--	--	0.0118	0.0431	0.2299	0.0829	0.0860	0.0402	0.0766	0.0213
Less than 25% disturbed														
Mortality	-0.6201	0.0519	-0.8798	0.2811	-0.4249	0.1507	-0.3812	0.0395	-0.5891	0.0662	-0.4519	0.0345	-0.5487	0.0322
Cut	-0.0037	0.0020	--	--	-0.0212	0.0177	-0.1106	0.0275	-0.0583	0.0249	-0.0928	0.0200	-0.0425	0.0088
Gross Growth	1.6918	0.0661	2.7236	0.4471	5.2742	0.8155	2.6751	0.1488	3.1870	0.1898	2.8492	0.1160	2.2487	0.0635
Net Live	1.0681	0.0668	1.8438	0.4428	4.8280	0.7805	2.1833	0.1367	2.5396	0.1750	2.3045	0.1069	1.6574	0.0605
Standing Dead Change	0.0401	0.0361	0.1445	0.1065	-0.1149	0.0946	0.0753	0.0389	0.0328	0.0423	0.0609	0.0294	0.0489	0.0235
Dead Woody Debris Change	-0.0577	0.0419	0.4621	0.2674	-0.3465	0.2178	-0.1263	0.0743	-0.1139	0.0953	-0.1221	0.0587	-0.0813	0.0344
Total Net ¹	1.3121	0.0806	2.8627	0.5476	5.3716	0.8940	2.6937	0.1860	3.0617	0.2365	2.8189	0.1451	2.0334	0.0784
Total														
Mortality	-1.7547	0.1069	-1.0422	0.2721	-0.8717	0.3724	-0.7400	0.0612	-0.9130	0.0900	-0.7988	0.0508	-1.3196	0.0623
Cut	-0.2060	0.0418	-0.0305	0.0305	-0.7291	0.7549	-2.2251	0.2524	-0.5146	0.1379	-1.6433	0.1756	-0.8332	0.0803
Gross Growth	2.7081	0.0567	3.2813	0.3752	5.9963	0.6535	3.9280	0.1270	4.1692	0.1736	4.0100	0.0993	3.3178	0.0543
Net Live	0.7474	0.1253	2.2086	0.4373	4.3955	1.0727	0.9629	0.2942	2.7415	0.2233	1.5679	0.2110	1.1650	0.1150
Standing Dead Change	0.3007	0.0807	0.2392	0.1111	-0.4354	0.4349	0.0566	0.0492	0.0539	0.0578	0.0556	0.0380	0.1853	0.0470
Dead Woody Debris Change	-0.1110	0.0594	0.3495	0.2841	0.1628	0.5960	-0.3365	0.1108	-0.0470	0.1290	-0.2380	0.0854	-0.1565	0.0497
Total Net ¹	1.1808	0.1285	3.3271	0.5227	5.0430	1.1535	0.9696	0.3921	3.4080	0.2957	1.7991	0.2811	1.5228	0.1415

¹ Total Net value includes change from roots and understory vegetation which are not enumerated in this table.

Table C1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California

**information duplicated in Table C9.7 in million metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	385,057	8,099	25,064	2,011	410,121	7,902	130,850	6,152	17,737	1,717	148,587	6,096	558,708	9,021
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	385,057	8,099	25,064	2,011	410,121	7,902	130,850	6,152	17,737	1,717	148,587	6,096	558,708	9,021
Other federal government:														
Bureau of Land Management	10,550	2,140	6,260	877	16,810	2,295	3,498	1,147	1,286	311	4,783	1,189	21,594	2,555
Department of Defense and Energy	--	--	--	--	1,082	350	--	--	--	--	--	--	1,239	383
National Park Service	--	--	--	--	--	--	60,618	5,794	6,768	1,218	67,386	5,855	67,386	5,855
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	10,829	2,147	7,504	929	18,333	2,320	64,143	5,850	8,308	1,253	72,451	5,902	90,784	6,002
State and local government:														
Local	3,422	1,318	2,130	537	5,551	1,426	3,586	1,443	3,368	751	6,955	1,585	12,506	2,126
State	7,392	1,967	--	--	8,099	1,976	29,841	6,580	4,662	1,153	34,502	6,644	42,601	6,238
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	10,813	2,357	2,859	674	13,673	2,426	33,753	6,721	8,067	1,352	41,820	6,795	55,493	6,511
Private:														
Corporate	158,156	6,120	13,031	1,409	171,186	6,223	--	--	--	--	--	--	171,186	6,223
Noncorporate private:														
Total, noncorporate private	132,529	6,773	57,434	2,505	189,963	6,966	--	--	--	--	--	--	189,963	6,966
All private	290,685	7,401	70,465	2,781	361,150	7,337	--	--	--	--	--	--	361,150	7,337
All owners	697,384	11,169	105,892	3,604	803,276	10,975	228,747	10,817	34,112	2,515	262,859	10,855	1,066,135	13,874

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	3,730	2,412	1,958	698	5,688	2,523	6,375	2,546
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	3,730	2,412	1,958	698	5,688	2,523	6,375	2,546
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	1,193	361
State and local government:														
Local	--	--	--	--	--	--	3,586	1,443	2,568	688	6,154	1,556	6,800	1,583
State	1,439	946	--	--	1,528	962	5,309	2,372	1,977	518	7,286	2,427	8,814	2,586
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,439	946	--	--	2,174	1,010	9,221	2,784	4,582	839	13,803	2,871	15,977	2,988
Private:														
Corporate	2,764	1,189	3,624	869	6,388	1,472	--	--	--	--	--	--	6,388	1,472
Noncorporate private:														
Total, noncorporate private	13,754	2,998	11,936	1,171	25,690	3,200	--	--	--	--	--	--	25,690	3,200
All private	16,518	3,212	15,560	1,446	32,078	3,504	--	--	--	--	--	--	32,078	3,504
All owners	17,963	3,373	17,968	1,546	35,931	3,694	12,951	3,684	6,741	1,105	19,693	3,824	55,624	5,318

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:														
Total, noncorporate private	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All private	--	--	1,039	375	1,039	375	--	--	--	--	--	--	1,039	375
All owners	--	--	1,121	382	1,121	382	--	--	--	--	--	--	1,280	410

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	13,016	1,489	4,506	576	17,522	1,595	1,823	853	1,290	436	3,114	956	20,635	1,858
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	13,016	1,489	4,506	576	17,522	1,595	1,823	853	1,290	436	3,114	956	20,635	1,858
Other federal government:														
Bureau of Land Management	--	--	1,785	260	2,191	323	--	--	--	--	--	--	2,523	345
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	1,891	266	2,297	328	--	--	--	--	--	--	3,010	375
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	2,516	577	--	--	2,801	586	--	--	--	--	--	--	2,801	586
Noncorporate private:														
Total, noncorporate private	1,564	459	--	--	2,198	489	--	--	--	--	--	--	2,198	489
All private	4,080	734	--	--	4,999	760	--	--	--	--	--	--	4,999	760
All owners	17,502	1,688	7,368	665	24,870	1,813	1,998	875	2,056	482	4,054	997	28,924	2,066

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	136,215	6,943	7,703	1,353	143,918	7,006	65,689	4,414	4,470	928	70,159	4,469	214,077	8,104
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	136,215	6,943	7,703	1,353	143,918	7,006	65,689	4,414	4,470	928	70,159	4,469	214,077	8,104
Other federal government:														
Bureau of Land Management	5,245	1,330	2,000	582	7,245	1,456	--	--	--	--	--	--	8,046	1,533
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	8,685	3,916	--	--	9,238	3,928	9,238	3,928
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	5,245	1,330	2,030	582	7,275	1,456	9,120	3,933	1,092	402	10,212	3,954	17,487	4,182
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	1,519	675
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	1,169	512	--	--	--	--	1,097	616	2,267	801
Private:														
Corporate	28,966	2,766	3,728	692	32,693	2,870	--	--	--	--	--	--	32,693	2,870
Noncorporate private:														
Total, noncorporate private	34,077	3,603	14,980	1,341	49,056	3,824	--	--	--	--	--	--	49,056	3,824
All private	63,042	4,418	18,707	1,499	81,749	4,646	--	--	--	--	--	--	81,749	4,646
All owners	205,463	8,383	28,648	2,112	234,111	8,574	75,333	5,925	6,135	1,063	81,468	5,994	315,580	10,266

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	1,515	936	--	--	1,568	937	2,173	1,684	--	--	2,173	1,684	3,741	1,926
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,515	936	--	--	1,568	937	2,173	1,684	--	--	2,173	1,684	3,741	1,926
Other federal government:														
Bureau of Land Management	2,563	1,466	--	--	2,563	1,466	2,760	1,031	--	--	2,760	1,031	5,322	1,791
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	5,713	2,641	--	--	5,849	2,641	5,849	2,641
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,838	1,481	--	--	2,853	1,481	8,500	2,818	--	--	8,637	2,816	11,490	3,162
State and local government:														
Local	1,490	1,059	--	--	1,512	1,060	--	--	--	--	--	--	2,128	1,095
State	4,104	1,555	--	--	4,116	1,555	20,141	6,586	1,127	951	21,268	6,652	25,384	6,517
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	5,594	1,881	--	--	5,628	1,881	20,141	6,586	1,743	990	21,884	6,658	27,512	6,606
Private:														
Corporate	65,382	5,090	1,285	473	66,667	5,108	--	--	--	--	--	--	66,667	5,108
Noncorporate private:														
Total, noncorporate private	50,194	4,860	5,208	1,181	55,402	4,986	--	--	--	--	--	--	55,402	4,986
All private	115,576	6,647	6,493	1,269	122,068	6,730	--	--	--	--	--	--	122,068	6,730
All owners	125,523	7,101	6,595	1,271	132,118	7,178	30,814	7,359	1,879	996	32,694	7,422	164,812	10,077

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	231,436	7,842	9,600	1,310	241,036	7,807	55,242	4,697	8,555	1,210	63,797	4,745	304,833	8,855
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	231,436	7,842	9,600	1,310	241,036	7,807	55,242	4,697	8,555	1,210	63,797	4,745	304,833	8,855
Other federal government:														
Bureau of Land Management	2,337	851	2,173	613	4,510	1,052	--	--	--	--	--	--	5,368	1,089
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	46,220	4,102	5,356	1,151	51,576	4,194	51,576	4,194
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,337	851	2,343	620	4,680	1,055	46,523	4,108	5,964	1,161	52,487	4,198	57,167	4,249
State and local government:														
Local	1,453	672	--	--	2,442	796	--	--	--	--	--	--	2,442	796
State	1,367	860	--	--	1,929	935	3,532	1,409	--	--	4,286	1,425	6,215	1,635
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,819	1,091	1,574	568	4,393	1,228	3,532	1,409	--	--	4,286	1,425	8,679	1,818
Private:														
Corporate	58,382	3,852	3,933	731	62,315	3,902	--	--	--	--	--	--	62,315	3,902
Noncorporate private:														
Total, noncorporate private	32,341	2,789	21,131	1,423	53,473	3,071	--	--	--	--	--	--	53,473	3,071
All private	90,723	4,469	25,064	1,568	115,787	4,590	--	--	--	--	--	--	115,787	4,590
All owners	327,315	9,043	38,581	2,201	365,896	9,083	105,297	6,396	15,273	1,697	120,570	6,490	486,466	10,652

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C8: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	2,870	796	2,520	472	5,390	929	2,193	705	1,463	453	3,656	834	9,046	1,247
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,870	796	2,520	472	5,390	929	2,193	705	1,463	453	3,656	834	9,046	1,247
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:														
Total, noncorporate private	--	--	2,612	705	3,211	802	--	--	--	--	--	--	3,211	802
All private	--	--	2,683	706	3,428	816	--	--	--	--	--	--	3,428	816
All owners	3,619	887	5,611	862	9,230	1,245	2,353	736	1,868	470	4,221	870	13,451	1,517

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, All California, (10-year averages): 2001-2010

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	371.72	8.89	31.46	2.19	403.18	8.85	121.29	6.82	17.57	1.84	138.86	6.99	542.04	8.81
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	371.72	8.89	31.46	2.19	403.18	8.85	121.29	6.82	17.57	1.84	138.86	6.99	542.04	8.81
Other Federal Government:														
Bureau of Land Management	10.01	1.81	6.18	0.83	16.19	1.96	0.79	0.47	1.24	0.25	2.04	0.53	18.23	2.02
Department of Defense and Energy	--	--	0.75	0.26	0.89	0.30	--	--	--	--	--	--	0.89	0.30
National Park Service	--	--	--	--	--	--	56.74	6.09	5.66	0.99	62.40	6.03	62.40	6.03
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	0.61	0.28	0.61	0.28	1.26	0.91	--	--	1.61	0.95	2.22	0.99
Total	10.15	1.81	7.54	0.90	17.69	1.99	58.86	6.15	7.25	1.05	66.11	6.09	83.80	6.29
State and Local Government:														
Local	1.71	0.91	1.99	0.57	3.70	1.08	2.58	1.18	3.87	0.85	6.44	1.45	10.14	1.81
State	6.35	1.90	0.57	0.29	6.92	1.92	31.90	7.53	5.08	1.23	36.98	7.62	43.91	7.67
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	0.51	0.40
Total	8.06	2.10	2.58	0.64	10.65	2.20	34.93	7.63	8.98	1.49	43.91	7.76	54.56	7.87
Private:														
Corporate	139.31	5.66	7.27	0.94	146.57	5.71	--	--	--	--	--	--	146.57	5.71
Noncorporate Private:														
Total, Noncorporate Private	133.93	6.52	64.46	2.80	198.39	6.82	--	--	--	--	--	--	198.39	6.82
All Private	273.24	7.11	71.72	2.89	344.96	7.15	--	--	--	--	--	--	344.96	7.15
All Owners	663.18	11.58	113.31	3.77	776.48	11.58	215.07	11.46	33.81	2.59	248.88	11.61	1,025.37	14.01

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	378.07	9.05	31.07	2.22	409.14	9.01	123.24	6.93	17.65	1.88	140.89	7.10	550.03	9.00
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	378.07	9.05	31.07	2.22	409.14	9.01	123.24	6.93	17.65	1.88	140.89	7.10	550.03	9.00
Other Federal Government:														
Bureau of Land Management	10.04	1.82	6.10	0.82	16.14	1.98	0.82	0.49	1.28	0.25	2.09	0.55	18.23	2.03
Department of Defense and Energy	--	--	0.78	0.26	0.93	0.30	--	--	--	--	--	--	0.93	0.30
National Park Service	--	--	--	--	--	--	57.90	6.15	5.78	1.00	63.68	6.10	63.68	6.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	0.61	0.28	0.61	0.28	1.26	0.91	--	--	1.61	0.95	2.21	0.99
Total	10.19	1.82	7.49	0.90	17.68	2.01	60.03	6.22	7.40	1.06	67.43	6.15	85.11	6.35
State and Local Government:														
Local	1.62	0.93	2.02	0.57	3.64	1.10	2.64	1.22	3.92	0.86	6.56	1.49	10.20	1.84
State	6.33	1.89	0.67	0.38	7.00	1.93	32.37	7.56	5.34	1.26	37.71	7.66	44.71	7.71
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	0.52	0.41
Total	7.95	2.10	2.71	0.69	10.66	2.21	35.47	7.66	9.29	1.52	44.76	7.80	55.42	7.92
Private:														
Corporate	136.54	5.64	9.24	1.15	145.78	5.72	--	--	--	--	--	--	145.78	5.72
Noncorporate Private:														
Total, Noncorporate Private	135.76	6.62	62.56	2.75	198.32	6.91	--	--	--	--	--	--	198.32	6.91
All Private	272.30	7.25	71.80	2.90	344.10	7.29	--	--	--	--	--	--	344.10	7.29
All Owners	668.51	11.70	113.07	3.80	781.58	11.69	218.74	11.59	34.35	2.64	253.08	11.74	1,034.66	14.11

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	375.70	7.99	28.98	2.14	404.68	7.80	127.16	6.06	18.57	1.92	145.73	6.03	550.41	8.81
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	375.70	7.99	28.98	2.14	404.68	7.80	127.16	6.06	18.57	1.92	145.73	6.03	550.41	8.81
Other Federal Government:														
Bureau of Land Management	10.74	1.88	6.34	0.87	17.08	2.05	1.10	0.59	1.07	0.26	2.17	0.64	19.26	2.13
Department of Defense and Energy	--	--	0.71	0.25	0.97	0.32	--	--	--	--	--	--	1.11	0.35
National Park Service	--	--	--	--	--	--	57.88	5.59	5.99	1.10	63.87	5.63	63.87	5.63
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	0.65	0.29	0.65	0.29	0.54	0.57	--	--	0.91	0.64	1.56	0.70
Total	11.00	1.88	7.71	0.95	18.70	2.08	59.53	5.58	7.57	1.15	67.09	5.62	85.80	5.70
State and Local Government:														
Local	1.80	0.99	1.75	0.51	3.55	1.12	3.19	1.35	3.48	0.79	6.67	1.52	10.23	1.87
State	6.50	1.88	0.72	0.42	7.22	1.88	29.39	6.65	4.66	1.15	34.05	6.71	41.27	6.33
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.31	2.11	2.49	0.66	10.80	2.18	32.89	6.78	8.18	1.36	41.07	6.85	51.87	6.54
Private:														
Corporate	138.46	5.53	9.33	1.17	147.79	5.61	--	--	--	--	--	--	147.79	5.61
Noncorporate Private:														
Total, Noncorporate Private	139.03	6.75	60.38	2.62	199.41	6.97	--	--	--	--	--	--	199.41	6.97
All Private	277.49	7.07	69.71	2.81	347.20	7.06	--	--	--	--	--	--	347.20	7.06
All Owners	672.49	10.78	108.89	3.70	781.38	10.62	219.58	10.66	34.32	2.62	253.90	10.70	1,035.28	13.52

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	379.47	8.05	28.08	2.12	407.55	7.85	127.45	6.14	18.37	1.94	145.82	6.09	553.37	8.91
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	379.47	8.05	28.08	2.12	407.55	7.85	127.45	6.14	18.37	1.94	145.82	6.09	553.37	8.91
Other Federal Government:														
Bureau of Land Management	10.76	1.90	6.37	0.88	17.13	2.08	1.49	0.68	1.17	0.27	2.67	0.73	19.80	2.18
Department of Defense and Energy	--	--	0.73	0.25	0.98	0.32	--	--	--	--	--	--	1.13	0.35
National Park Service	--	--	--	--	--	--	58.85	5.67	6.40	1.15	65.25	5.72	65.25	5.72
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	0.56	0.17
Total	11.01	1.91	7.58	0.92	18.60	2.10	60.37	5.67	7.81	1.18	68.18	5.72	86.78	5.79
State and Local Government:														
Local	1.88	1.02	1.89	0.52	3.76	1.16	3.38	1.34	3.45	0.77	6.84	1.51	10.60	1.89
State	6.81	1.96	0.72	0.42	7.53	1.96	29.27	6.66	4.65	1.16	33.92	6.72	41.45	6.32
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.69	2.20	2.63	0.67	11.32	2.27	32.98	6.78	8.14	1.36	41.13	6.86	52.44	6.54
Private:														
Corporate	142.62	5.67	10.17	1.25	152.79	5.75	--	--	--	--	--	--	152.79	5.75
Noncorporate Private:														
Total, Noncorporate Private	140.15	6.86	59.87	2.58	200.03	7.07	--	--	--	--	--	--	200.03	7.07
All Private	282.77	7.20	70.04	2.80	352.81	7.17	--	--	--	--	--	--	352.81	7.17
All Owners	681.94	10.93	108.33	3.69	790.27	10.76	220.81	10.75	34.32	2.64	255.13	10.79	1,045.40	13.67

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	382.56	8.03	27.38	2.08	409.94	7.82	130.04	6.21	18.31	1.94	148.35	6.14	558.30	8.94
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	382.56	8.03	27.38	2.08	409.94	7.82	130.04	6.21	18.31	1.94	148.35	6.14	558.30	8.94
Other Federal Government:														
Bureau of Land Management	11.39	2.23	6.48	0.89	17.87	2.38	1.99	0.78	1.16	0.27	3.15	0.83	21.02	2.49
Department of Defense and Energy	--	--	0.76	0.28	1.02	0.34	--	--	--	--	--	--	1.16	0.37
National Park Service	--	--	--	--	--	--	59.70	5.73	6.41	1.17	66.11	5.78	66.11	5.78
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	0.56	0.17
Total	11.64	2.23	7.72	0.94	19.37	2.40	61.72	5.74	7.80	1.19	69.52	5.79	88.88	5.90
State and Local Government:														
Local	2.65	1.14	2.04	0.53	4.69	1.26	3.38	1.34	3.44	0.75	6.83	1.50	11.52	1.95
State	7.24	1.98	0.77	0.42	8.01	1.99	29.20	6.47	4.67	1.15	33.87	6.54	41.88	6.14
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	9.89	2.28	2.83	0.68	12.72	2.35	32.92	6.60	8.15	1.35	41.07	6.68	53.79	6.37
Private:														
Corporate	144.37	5.67	11.17	1.31	155.54	5.76	--	--	--	--	--	--	155.54	5.76
Noncorporate Private:														
Total, Noncorporate Private	138.14	6.78	60.25	2.60	198.39	6.99	--	--	--	--	--	--	198.39	6.99
All Private	282.51	7.11	71.42	2.83	353.93	7.08	--	--	--	--	--	--	353.93	7.08
All Owners	686.60	10.93	109.36	3.68	795.96	10.76	224.67	10.71	34.27	2.64	258.94	10.74	1,054.90	13.63

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (≥ 1 inches) by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015.

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	383.87	8.06	26.83	2.07	410.70	7.86	130.88	6.20	17.35	1.82	148.23	6.14	558.94	8.98
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	383.87	8.06	26.83	2.07	410.70	7.86	130.88	6.20	17.35	1.82	148.23	6.14	558.94	8.98
Other Federal Government:														
Bureau of Land Management	11.28	2.18	6.37	0.88	17.65	2.33	2.63	1.03	1.30	0.31	3.93	1.08	21.58	2.54
Department of Defense and Energy	0.26	0.20	0.79	0.28	1.05	0.35	--	--	0.15	0.15	0.15	0.15	1.19	0.38
National Park Service	--	--	--	--	--	--	60.39	5.75	6.34	1.16	66.72	5.81	66.72	5.81
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.03	0.03	0.01	0.01	0.04	0.03	0.04	0.03
Other Federal	--	--	0.50	0.16	0.50	0.16	--	--	0.08	0.06	0.08	0.06	0.58	0.17
Total	11.53	2.18	7.66	0.93	19.19	2.35	63.05	5.79	7.88	1.20	70.92	5.84	90.12	5.94
State and Local Government:														
Local	2.59	1.12	2.07	0.54	4.66	1.25	3.52	1.41	3.37	0.75	6.89	1.55	11.55	1.99
State	7.82	2.07	0.61	0.40	8.43	2.08	29.62	6.50	4.67	1.16	34.28	6.57	42.71	6.18
Other Public	--	--	0.02	0.02	0.02	0.02	0.33	0.36	0.04	0.04	0.36	0.37	0.39	0.37
Total	10.41	2.34	2.70	0.67	13.11	2.41	33.46	6.64	8.07	1.36	41.53	6.72	54.65	6.42
Private:														
Corporate	151.93	5.96	12.29	1.38	164.22	6.06	--	--	--	--	--	--	164.22	6.06
Noncorporate Private:														
Total, Noncorporate Private	135.92	6.72	58.05	2.57	193.98	6.93	--	--	--	--	--	--	193.98	6.93
All Private	287.85	7.24	70.34	2.83	358.20	7.21	--	--	--	--	--	--	358.20	7.21
All Owners	693.67	11.03	107.54	3.67	801.21	10.86	227.39	10.76	33.30	2.56	260.69	10.80	1,061.89	13.74

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C9.7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016

**information duplicated in Table C1 in thousand metric tons C*

	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Ownership group	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	385,057	8,099	25,064	2,011	410,121	7,902	130,850	6,152	17,737	1,717	148,587	6,096	558,708	9,021
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	385,057	8,099	25,064	2,011	410,121	7,902	130,850	6,152	17,737	1,717	148,587	6,096	558,708	9,021
Other federal government:														
Bureau of Land Management	10,550	2,140	6,260	877	16,810	2,295	3,498	1,147	1,286	311	4,783	1,189	21,594	2,555
Department of Defense and Energy	--	--	--	--	1,082	350	--	--	--	--	--	--	1,239	383
National Park Service	--	--	--	--	--	--	60,618	5,794	6,768	1,218	67,386	5,855	67,386	5,855
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	10,829	2,147	7,504	929	18,333	2,320	64,143	5,850	8,308	1,253	72,451	5,902	90,784	6,002
State and local government:														
Local	3,422	1,318	2,130	537	5,551	1,426	3,586	1,443	3,368	751	6,955	1,585	12,506	2,126
State	7,392	1,967	--	--	8,099	1,976	29,841	6,580	4,662	1,153	34,502	6,644	42,601	6,238
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	10,813	2,357	2,859	674	13,673	2,426	33,753	6,721	8,067	1,352	41,820	6,795	55,493	6,511
Private:														
Corporate	158,156	6,120	13,031	1,409	171,186	6,223	--	--	--	--	--	--	171,186	6,223
Noncorporate private:														
Total, noncorporate private	132,529	6,773	57,434	2,505	189,963	6,966	--	--	--	--	--	--	189,963	6,966
All private	290,685	7,401	70,465	2,781	361,150	7,337	--	--	--	--	--	--	361,150	7,337
All owners	697,384	11,169	105,892	3,604	803,276	10,975	228,747	10,817	34,112	2,515	262,859	10,855	1,066,135	13,874

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C10: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California

**information duplicated in Table C18.7 in million metric tons*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	38,820	1,826	2,145	271	40,966	1,832	18,271	1,358	2,255	334	20,526	1,371	61,492	2,254
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	38,820	1,826	2,145	271	40,966	1,832	18,271	1,358	2,255	334	20,526	1,371	61,492	2,254
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	1,107	207
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	8,189	898	--	--	8,815	906	8,815	906
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	8,543	906	--	--	9,259	914	10,009	910
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1,152	273	--	--	1,419	288	1,752	304
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1,297	283	--	--	1,681	301	2,216	323
Private:														
Corporate	8,349	685	--	--	8,800	689	--	--	--	--	--	--	8,800	689
Noncorporate private:														
Total, noncorporate private	4,577	406	2,088	201	6,665	449	--	--	--	--	--	--	6,665	449
All private	12,926	767	2,540	219	15,465	790	--	--	--	--	--	--	15,465	790
All owners	52,558	1,983	5,158	357	57,717	1,999	28,112	1,657	3,354	380	31,466	1,674	89,182	2,556

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C11: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:														
Total, noncorporate private	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All private	--	--	--	--	1,101	184	--	--	--	--	--	--	1,101	184
All owners	--	--	--	--	1,240	189	--	--	--	--	--	--	2,151	335

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C12: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:														
Total, noncorporate private	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All private	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All owners	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C13: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	1,128	237	--	--	1,490	272	--	--	--	--	--	--	1,902	325
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,128	237	--	--	1,490	272	--	--	--	--	--	--	1,902	325
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:														
Total, noncorporate private	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All private	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All owners	1,412	258	--	--	1,878	291	--	--	--	--	--	--	2,356	344

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C14: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	13,571	1,284	--	--	13,994	1,285	10,644	1,203	--	--	11,045	1,206	25,039	1,757
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	13,571	1,284	--	--	13,994	1,285	10,644	1,203	--	--	11,045	1,206	25,039	1,757
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	1,699	358	--	--	1,824	360	--	--	--	--	--	--	1,824	360
Noncorporate private:														
Total, noncorporate private	1,160	207	--	--	1,542	216	--	--	--	--	--	--	1,542	216
All private	2,859	411	--	--	3,367	417	--	--	--	--	--	--	3,367	417
All owners	16,738	1,351	1,017	136	17,755	1,355	10,946	1,209	--	--	11,447	1,213	29,202	1,813

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C15: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1,017	431	--	--	1,017	431	1,042	431
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	1,039	270
Private:														
Corporate	3,753	520	--	--	3,784	521	--	--	--	--	--	--	3,784	521
Noncorporate private:														
Total, noncorporate private	1,584	238	--	--	1,643	240	--	--	--	--	--	--	1,643	240
All private	5,337	564	--	--	5,427	564	--	--	--	--	--	--	5,427	564
All owners	5,645	573	--	--	5,748	574	1,973	514	--	--	1,994	514	7,742	767

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C16: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	23,462	1,437	--	--	24,382	1,445	6,405	736	--	--	7,352	745	31,734	1,609
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	23,462	1,437	--	--	24,382	1,445	6,405	736	--	--	7,352	745	31,734	1,609
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	7,203	828	--	--	7,729	837	7,729	837
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	7,228	828	--	--	7,823	837	8,013	837
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:														
Corporate	2,620	305	--	--	2,797	311	--	--	--	--	--	--	2,797	311
Noncorporate private:														
Total, noncorporate private	1,212	223	--	--	2,113	250	--	--	--	--	--	--	2,113	250
All private	3,832	373	1,078	128	4,910	393	--	--	--	--	--	--	4,910	393
All owners	27,599	1,492	2,172	236	29,771	1,505	13,806	1,110	1,577	214	15,382	1,123	45,153	1,848

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C17: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land		
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	
	<i>thousand metric tons C</i>														
USDA Forest Service:															
National Forest	--	--	--	--	--	--	--	--	--	--	--	1,068	333	1,943	409
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	1,068	333	1,943	409
Other federal government:															
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:															
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private:															
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:															
Total, noncorporate private	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All private	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All owners	--	--	--	--	1,294	271	--	--	--	--	--	1,242	343	2,536	437

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	33.61	1.64	2.45	0.29	36.06	1.65	14.83	1.21	1.87	0.29	16.71	1.24	52.76	1.93
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	33.61	1.64	2.45	0.29	36.06	1.65	14.83	1.21	1.87	0.29	16.71	1.24	52.76	1.93
Other Federal Government:														
Bureau of Land Management	0.56	0.21	--	--	0.97	0.22	--	--	--	--	--	--	1.29	0.26
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	7.61	0.95	0.57	0.14	8.18	0.95	8.18	0.95
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.56	0.21	--	--	0.99	0.22	7.86	0.96	0.78	0.16	8.65	0.96	9.63	0.98
State and Local Government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1.47	0.35	--	--	1.68	0.35	1.99	0.38
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	0.53	0.20	1.58	0.35	--	--	1.86	0.36	2.40	0.41
Private:														
Corporate	7.24	0.68	--	--	7.42	0.68	--	--	--	--	--	--	7.42	0.68
Noncorporate Private:														
Total, Noncorporate Private	5.34	0.55	1.81	0.22	7.15	0.59	--	--	--	--	--	--	7.15	0.59
All Private	12.58	0.84	1.98	0.22	14.57	0.87	--	--	--	--	--	--	14.57	0.87
All Owners	47.22	1.86	4.92	0.37	52.14	1.89	24.27	1.58	2.94	0.34	27.22	1.59	79.36	2.35

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	35.48	1.69	2.36	0.28	37.84	1.70	15.12	1.22	1.98	0.31	17.10	1.26	54.94	1.98
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	35.48	1.69	2.36	0.28	37.84	1.70	15.12	1.22	1.98	0.31	17.10	1.26	54.94	1.98
Other Federal Government:														
Bureau of Land Management	0.56	0.21	--	--	0.94	0.22	--	--	--	--	--	--	1.23	0.25
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	7.64	0.95	0.58	0.14	8.22	0.95	8.22	0.95
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.56	0.21	--	--	0.96	0.22	7.89	0.96	0.76	0.15	8.65	0.96	9.61	0.98
State and Local Government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1.53	0.35	--	--	1.80	0.36	2.11	0.39
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1.65	0.36	--	--	1.99	0.37	2.40	0.40
Private:														
Corporate	7.39	0.68	--	--	7.64	0.68	--	--	--	--	--	--	7.64	0.68
Noncorporate Private:														
Total, Noncorporate Private	5.48	0.56	1.62	0.15	7.10	0.58	--	--	--	--	--	--	7.10	0.58
All Private	12.88	0.85	1.87	0.16	14.75	0.86	--	--	--	--	--	--	14.75	0.86
All Owners	49.27	1.91	4.70	0.33	53.97	1.92	24.66	1.59	3.07	0.36	27.74	1.61	81.70	2.38

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	36.10	1.68	2.26	0.26	38.36	1.69	15.90	1.16	2.09	0.33	17.99	1.18	56.35	2.03
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	36.10	1.68	2.26	0.26	38.36	1.69	15.90	1.16	2.09	0.33	17.99	1.18	56.35	2.03
Other Federal Government:														
Bureau of Land Management	0.68	0.26	--	--	1.09	0.27	--	--	--	--	--	--	1.38	0.30
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	7.73	0.95	0.58	0.14	8.31	0.96	8.31	0.96
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.68	0.26	--	--	1.16	0.27	8.00	0.96	0.73	0.15	8.73	0.97	9.89	0.99
State and Local Government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1.38	0.32	--	--	1.61	0.33	1.95	0.35
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1.52	0.33	--	--	1.81	0.34	2.27	0.36
Private:														
Corporate	7.49	0.65	--	--	7.70	0.65	--	--	--	--	--	--	7.70	0.65
Noncorporate Private:														
Total, Noncorporate Private	5.44	0.55	1.58	0.15	7.02	0.57	--	--	--	--	--	--	7.02	0.57
All Private	12.93	0.83	1.79	0.15	14.72	0.84	--	--	--	--	--	--	14.72	0.84
All Owners	50.10	1.90	4.59	0.31	54.69	1.91	25.42	1.54	3.12	0.37	28.53	1.56	83.22	2.41

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	36.17	1.69	2.20	0.26	38.36	1.70	16.51	1.22	2.19	0.33	18.70	1.24	57.07	2.07
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	36.17	1.69	2.20	0.26	38.36	1.70	16.51	1.22	2.19	0.33	18.70	1.24	57.07	2.07
Other Federal Government:														
Bureau of Land Management	0.68	0.26	--	--	1.06	0.27	--	--	--	--	--	--	1.36	0.30
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	8.05	0.98	0.60	0.14	8.66	0.99	8.66	0.99
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.68	0.26	--	--	1.13	0.27	8.22	0.98	0.74	0.15	8.97	0.99	10.10	1.01
State and Local Government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1.25	0.31	--	--	1.47	0.32	1.77	0.33
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1.39	0.31	--	--	1.68	0.33	2.10	0.34
Private:														
Corporate	7.52	0.65	--	--	7.82	0.66	--	--	--	--	--	--	7.82	0.66
Noncorporate Private:														
Total, Noncorporate Private	4.82	0.44	1.64	0.15	6.46	0.46	--	--	--	--	--	--	6.46	0.46
All Private	12.34	0.76	1.95	0.17	14.28	0.77	--	--	--	--	--	--	14.28	0.77
All Owners	49.55	1.87	4.65	0.31	54.19	1.88	26.12	1.60	3.23	0.38	29.35	1.62	83.54	2.43

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	37.00	1.77	1.96	0.21	38.96	1.77	16.61	1.19	2.09	0.32	18.71	1.20	57.67	2.10
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	37.00	1.77	1.96	0.21	38.96	1.77	16.61	1.19	2.09	0.32	18.71	1.20	57.67	2.10
Other Federal Government:														
Bureau of Land Management	0.68	0.26	--	--	1.03	0.27	--	--	--	--	--	--	1.29	0.30
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	8.17	0.98	0.56	0.13	8.72	0.98	8.72	0.98
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.68	0.26	--	--	1.10	0.27	8.34	0.98	0.64	0.14	8.99	0.99	10.09	1.00
State and Local Government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1.28	0.31	--	--	1.52	0.32	1.83	0.33
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1.42	0.32	--	--	1.73	0.33	2.19	0.34
Private:														
Corporate	7.83	0.67	--	--	8.11	0.67	--	--	--	--	--	--	8.11	0.67
Noncorporate Private:														
Total, Noncorporate Private	4.75	0.43	1.63	0.15	6.38	0.45	--	--	--	--	--	--	6.38	0.45
All Private	12.58	0.77	1.91	0.16	14.49	0.78	--	--	--	--	--	--	14.49	0.78
All Owners	50.65	1.94	4.36	0.28	55.01	1.95	26.38	1.57	3.04	0.36	29.42	1.59	84.43	2.46

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees Foliage (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	37.39	1.77	1.98	0.23	39.38	1.77	17.22	1.23	2.08	0.33	19.30	1.24	58.68	2.13
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	37.39	1.77	1.98	0.23	39.38	1.77	17.22	1.23	2.08	0.33	19.30	1.24	58.68	2.13
Other Federal Government:														
Bureau of Land Management	0.68	0.26	0.33	0.06	1.01	0.27	0.19	0.13	0.09	0.03	0.27	0.13	1.29	0.30
Department of Defense and Energy	--	--	0.02	0.01	0.02	0.01	--	--	--	--	--	--	0.02	0.01
National Park Service	--	--	--	--	--	--	8.16	0.98	0.57	0.14	8.73	0.98	8.73	0.98
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	--	--	0.01	0.01	0.01	0.01
Other Federal	--	--	0.05	0.04	0.05	0.04	--	--	0.00	0.00	0.00	0.00	0.05	0.04
Total	0.68	0.26	0.40	0.08	1.08	0.27	8.35	0.98	0.66	0.14	9.01	0.99	10.09	1.00
State and Local Government:														
Local	0.10	0.04	0.05	0.02	0.15	0.05	0.14	0.08	0.08	0.04	0.22	0.08	0.37	0.10
State	0.30	0.16	0.02	0.01	0.32	0.16	1.29	0.31	0.26	0.10	1.55	0.32	1.87	0.33
Other Public	--	--	--	--	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.40	0.16	0.07	0.02	0.47	0.17	1.43	0.32	0.34	0.10	1.77	0.33	2.24	0.35
Private:														
Corporate	8.06	0.65	0.38	0.08	8.44	0.66	--	--	--	--	--	--	8.44	0.66
Noncorporate Private:														
Total, Noncorporate Private	4.79	0.44	1.76	0.16	6.55	0.46	--	--	--	--	--	--	6.55	0.46
All Private	12.86	0.75	2.14	0.18	14.99	0.77	--	--	--	--	--	--	14.99	0.77
All Owners	51.33	1.94	4.58	0.30	55.92	1.95	27.01	1.60	3.08	0.37	30.09	1.62	86.01	2.48

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C18.7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016

**information duplicated in Table C10 in thousand metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	38,820	1,826	2,145	271	40,966	1,832	18,271	1,358	2,255	334	20,526	1,371	61,492	2,254
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	38,820	1,826	2,145	271	40,966	1,832	18,271	1,358	2,255	334	20,526	1,371	61,492	2,254
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	1,107	207
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	8,189	898	--	--	8,815	906	8,815	906
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	8,543	906	--	--	9,259	914	10,009	910
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	1,152	273	--	--	1,419	288	1,752	304
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1,297	283	--	--	1,681	301	2,216	323
Private:														
Corporate	8,349	685	--	--	8,800	689	--	--	--	--	--	--	8,800	689
Noncorporate private:														
Total, noncorporate private	4,577	406	2,088	201	6,665	449	--	--	--	--	--	--	6,665	449
All private	12,926	767	2,540	219	15,465	790	--	--	--	--	--	--	15,465	790
All owners	52,558	1,983	5,158	357	57,717	1,999	28,112	1,657	3,354	380	31,466	1,674	89,182	2,556

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C19: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: All California

**information combined with information from Table C28 in Table C27.7 and converted to million metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	7,795.84	160.75	4,191.20	193.99	11,987.04	218.14	2,346.41	101.12	1,773.31	118.39	4,119.72	135.79	16,106.76	239.84
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	7,795.84	160.75	4,191.20	193.99	11,987.04	218.14	2,346.41	101.12	1,773.31	118.39	4,119.72	135.79	16,106.76	239.84
Other federal government:														
Bureau of Land Management	326.57	51.18	1,795.47	150.32	2,122.04	157.38	90.48	26.93	339.99	57.13	430.47	63.15	2,552.50	164.60
Department of Defense and Energy	21.41	13.96	118.93	32.41	140.34	35.28	--	--	8.66	8.64	8.66	8.64	149.00	36.33
National Park Service	--	--	--	--	--	--	713.94	53.54	630.95	75.52	1,344.90	89.75	1,344.90	89.75
U.S. Fish and Wildlife Service	--	--	--	--	--	--	4.51	4.61	0.84	0.84	5.34	4.69	5.34	4.69
Other federal	--	--	153.61	37.57	153.61	37.57	--	--	22.42	13.69	22.42	13.69	176.03	39.99
Total	347.98	52.49	2,068.01	156.41	2,415.99	163.41	808.93	57.87	1,002.86	93.40	1,811.79	105.29	4,227.78	176.79
State and local government:														
Local	54.76	18.84	212.69	41.76	267.45	46.52	46.66	18.36	256.48	46.99	303.14	48.80	570.59	66.91
State	83.16	20.72	83.61	29.08	166.77	35.47	313.29	41.50	419.61	58.11	732.90	69.06	899.67	71.57
Other public	--	--	13.91	11.47	13.91	11.47	6.98	7.77	8.94	9.67	15.91	12.41	29.82	16.90
Total	137.92	27.83	310.21	52.09	448.13	59.44	366.92	45.30	685.02	71.84	1,051.95	80.91	1,500.08	93.68
Private:														
Corporate	4,756.07	169.19	1,309.21	108.89	6,065.29	196.42	--	--	--	--	--	--	6,065.29	196.42
Noncorporate private:														
Total, noncorporate private	3,094.60	135.63	6,934.23	220.85	10,028.83	245.33	--	--	--	--	--	--	10,028.83	245.33
All private	7,850.68	178.82	8,243.44	234.00	16,094.12	261.36	--	--	--	--	--	--	16,094.12	261.36
All owners	16,132.41	242.46	14,812.86	341.56	30,945.27	371.22	3,522.26	124.83	3,461.20	166.79	6,983.46	189.25	37,928.73	387.38

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C20: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	2.45	2.25	130.15	33.25	132.60	33.32	35.17	17.17	202.86	43.67	238.03	46.44	370.63	57.16
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.45	2.25	130.15	33.25	132.60	33.32	35.17	17.17	202.86	43.67	238.03	46.44	370.63	57.16
Other federal government:														
Bureau of Land Management	--	--	103.72	32.36	103.72	32.36	--	--	17.12	12.51	17.12	12.51	120.84	34.69
Department of Defense and Energy	--	--	74.13	24.20	74.13	24.20	--	--	--	--	--	--	74.13	24.20
National Park Service	--	--	--	--	--	--	--	--	8.49	9.46	8.49	9.46	8.49	9.46
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	17.59	13.52	17.59	13.52	--	--	--	--	--	--	17.87	13.53
Total	--	--	195.44	42.24	195.44	42.24	--	--	25.90	15.69	25.90	15.69	221.34	45.05
State and local government:														
Local	--	--	43.29	17.83	43.29	17.83	46.66	18.36	164.57	36.03	211.22	38.37	254.51	41.85
State	16.78	10.40	18.56	14.85	35.34	18.46	45.16	18.91	181.17	37.66	226.33	41.92	261.66	45.71
Other public	--	--	--	--	--	--	6.98	7.77	8.94	9.67	15.91	12.41	15.91	12.41
Total	16.78	10.40	61.85	23.21	78.63	25.66	98.79	27.36	354.67	50.18	453.46	54.51	532.09	58.80
Private:														
Corporate	52.20	21.14	213.29	40.84	265.49	45.93	--	--	--	--	--	--	265.49	45.93
Noncorporate private:														
Total, noncorporate private	146.82	29.84	1,159.94	94.40	1,306.76	98.54	--	--	--	--	--	--	1,306.76	98.54
All private	199.01	36.42	1,373.23	101.88	1,572.25	107.73	--	--	--	--	--	--	1,572.25	107.73
All owners	218.24	38.00	1,760.67	117.46	1,978.91	123.06	133.96	32.30	583.43	68.07	717.39	72.96	2,696.30	141.84

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C21: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	0.84	0.84	0.84	0.84	0.84	0.84
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	0.84	0.84	0.84	0.84	0.84	0.84
State and local government:														
Local	--	--	6.61	4.59	6.61	4.59	--	--	--	--	--	--	6.61	4.59
State	--	--	--	--	--	--	--	--	7.57	6.87	7.57	6.87	7.57	6.87
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	6.61	4.59	6.61	4.59	--	--	7.57	6.87	7.57	6.87	14.18	8.27
Private:														
Corporate	--	--	10.16	9.22	10.16	9.22	--	--	--	--	--	--	10.16	9.22
Noncorporate private:														
Total, noncorporate private	--	--	109.68	29.07	109.79	29.07	--	--	--	--	--	--	109.79	29.07
All private	--	--	119.84	30.48	119.95	30.48	--	--	--	--	--	--	119.95	30.48
All owners	--	--	126.45	30.82	126.57	30.82	--	--	8.40	6.92	8.40	6.92	134.97	31.59

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C22: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	761.58	78.42	1,636.05	145.91	2,397.63	163.44	46.53	18.08	133.98	40.68	180.52	44.34	2,578.15	169.16
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	761.58	78.42	1,636.05	145.91	2,397.63	163.44	46.53	18.08	133.98	40.68	180.52	44.34	2,578.15	169.16
Other federal government:														
Bureau of Land Management	44.50	22.18	1,055.35	130.96	1,099.85	132.68	--	--	87.70	29.88	87.70	29.88	1,187.55	134.93
Department of Defense and Energy	--	--	44.80	21.65	44.80	21.65	--	--	--	--	--	--	44.80	21.65
National Park Service	--	--	--	--	--	--	--	--	106.87	32.47	106.87	32.47	106.87	32.47
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	44.50	22.18	1,100.15	132.29	1,144.65	134.00	--	--	194.57	43.96	194.57	43.96	1,339.22	138.90
State and local government:														
Local	--	--	9.78	9.86	9.78	9.86	--	--	--	--	--	--	9.78	9.86
State	--	--	--	--	--	--	4.96	5.52	15.87	13.80	20.82	14.86	20.82	14.86
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	9.78	9.86	9.78	9.86	4.96	5.52	15.87	13.80	20.82	14.86	30.60	17.83
Private:														
Corporate	280.22	57.87	156.69	46.69	436.92	74.69	--	--	--	--	--	--	436.92	74.69
Noncorporate private:														
Total, noncorporate private	92.09	23.39	390.69	85.57	482.77	88.92	--	--	--	--	--	--	482.77	88.92
All private	372.31	61.97	547.38	97.16	919.69	115.52	--	--	--	--	--	--	919.69	115.52
All owners	1,178.39	102.85	3,293.36	219.96	4,471.75	241.27	51.49	18.91	344.42	61.47	395.91	64.18	4,867.66	248.28

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C23: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	2,334.94	112.42	518.25	66.08	2,853.19	127.12	1,248.78	84.91	421.08	62.59	1,669.86	102.35	4,523.05	158.35
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,334.94	112.42	518.25	66.08	2,853.19	127.12	1,248.78	84.91	421.08	62.59	1,669.86	102.35	4,523.05	158.35
Other federal government:														
Bureau of Land Management	152.01	33.95	167.48	38.25	319.49	51.74	5.43	5.39	33.76	17.50	39.20	18.31	358.69	54.80
Department of Defense and Energy	--	--	--	--	--	--	--	--	8.66	8.64	8.66	8.64	8.66	8.64
National Park Service	--	--	--	--	--	--	74.73	24.13	55.85	21.46	130.57	32.77	130.57	32.77
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	11.55	8.59	11.55	8.59	--	--	1.74	1.92	1.74	1.92	13.28	8.80
Total	152.01	33.95	179.03	39.20	331.04	52.45	80.16	24.64	100.01	29.07	180.17	38.51	511.20	63.60
State and local government:														
Local	2.84	2.39	16.72	11.56	19.57	11.80	--	--	9.27	8.90	9.27	8.90	28.83	14.78
State	9.02	7.12	20.97	14.27	29.99	15.95	3.55	2.67	28.24	15.92	31.79	16.53	61.78	22.97
Other public	--	--	1.33	1.21	1.33	1.21	--	--	--	--	--	--	1.33	1.21
Total	11.86	7.51	39.03	18.40	50.89	19.87	3.55	2.67	37.51	18.24	41.06	18.78	91.95	27.24
Private:														
Corporate	993.27	88.38	362.04	57.07	1,355.31	104.71	--	--	--	--	--	--	1,355.31	104.71
Noncorporate private:														
Total, noncorporate private	891.28	82.19	1,523.80	110.43	2,415.08	136.34	--	--	--	--	--	--	2,415.08	136.34
All private	1,884.56	117.11	1,885.84	122.99	3,770.40	167.04	--	--	--	--	--	--	3,770.40	167.04
All owners	4,383.37	166.16	2,622.15	146.13	7,005.52	217.01	1,332.49	88.49	558.60	71.38	1,891.09	110.98	8,896.61	239.73

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C24: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	23.71	12.64	9.97	9.58	33.69	15.86	12.46	9.43	--	--	12.46	9.43	46.15	18.44
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	23.71	12.64	9.97	9.58	33.69	15.86	12.46	9.43	--	--	12.46	9.43	46.15	18.44
Other federal government:														
Bureau of Land Management	39.58	17.35	--	--	39.58	17.35	80.99	26.18	--	--	80.99	26.18	120.57	31.72
Department of Defense and Energy	17.71	13.43	--	--	17.71	13.43	--	--	--	--	--	--	17.71	13.43
National Park Service	--	--	--	--	--	--	48.33	18.97	10.05	9.73	58.38	20.91	58.38	20.91
U.S. Fish and Wildlife Service	--	--	--	--	--	--	4.51	4.61	--	--	4.51	4.61	4.51	4.61
Other federal	--	--	3.67	3.99	3.67	3.99	--	--	--	--	--	--	3.67	3.99
Total	57.29	21.94	3.67	3.99	60.95	22.30	133.83	32.21	10.05	9.73	143.88	32.92	204.84	39.62
State and local government:														
Local	14.02	7.99	10.79	7.75	24.81	13.22	--	--	64.85	26.78	64.85	26.78	89.66	29.87
State	45.47	15.87	2.73	2.47	48.19	16.06	200.07	38.26	14.31	10.92	214.37	39.71	262.57	38.71
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	59.49	17.77	13.52	8.13	73.01	20.80	200.07	38.26	79.15	28.92	279.22	47.89	352.23	48.79
Private:														
Corporate	1,451.31	98.72	57.77	21.05	1,509.08	100.76	--	--	--	--	--	--	1,509.08	100.76
Noncorporate private:														
Total, noncorporate private	1,032.06	87.59	246.94	42.88	1,279.00	97.04	--	--	--	--	--	--	1,279.00	97.04
All private	2,483.37	124.07	304.70	47.59	2,788.07	131.39	--	--	--	--	--	--	2,788.07	131.39
All owners	2,623.85	127.30	331.86	49.37	2,955.72	135.24	346.36	50.87	89.21	30.52	435.57	58.85	3,391.28	145.26

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C25: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	4,510.14	144.86	1,353.93	121.60	5,864.08	179.11	866.39	65.26	794.13	82.69	1,660.52	99.74	7,524.60	201.46
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	4,510.14	144.86	1,353.93	121.60	5,864.08	179.11	866.39	65.26	794.13	82.69	1,660.52	99.74	7,524.60	201.46
Other federal government:														
Bureau of Land Management	90.48	26.75	407.04	63.87	497.52	68.88	4.05	3.34	148.54	38.58	152.60	38.72	650.12	77.60
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	590.89	47.35	309.87	53.99	900.76	69.86	900.76	69.86
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	28.77	15.28	28.77	15.28	--	--	2.95	2.94	2.95	2.94	31.72	15.56
Total	90.48	26.75	435.81	65.50	526.29	70.39	594.94	47.43	461.37	65.41	1,056.31	78.22	1,582.60	99.65
State and local government:														
Local	37.90	16.90	97.05	30.19	134.95	34.84	--	--	9.12	7.93	9.12	7.93	144.07	35.67
State	11.89	6.08	41.36	20.53	53.25	21.33	49.03	15.84	98.05	30.45	147.08	34.34	200.33	39.84
Other public	--	--	12.58	11.41	12.58	11.41	--	--	--	--	--	--	12.58	11.41
Total	49.79	17.96	150.99	38.20	200.78	42.33	49.03	15.84	107.17	31.47	156.20	35.24	356.98	54.55
Private:														
Corporate	1,976.39	127.91	440.65	61.97	2,417.05	141.06	--	--	--	--	--	--	2,417.05	141.06
Noncorporate private:														
Total, noncorporate private	906.87	76.28	3,161.25	161.13	4,068.11	175.63	--	--	--	--	--	--	4,068.11	175.63
All private	2,883.26	142.57	3,601.90	168.83	6,485.16	213.00	--	--	--	--	--	--	6,485.16	213.00
All owners	7,533.67	204.39	5,542.63	220.43	13,076.30	287.17	1,510.36	82.06	1,362.67	109.93	2,873.03	131.13	15,949.33	309.01

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C26: Aboveground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	163.02	35.19	542.83	67.79	705.85	76.43	137.07	34.18	221.26	45.93	358.33	56.29	1,064.19	94.40
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	163.02	35.19	542.83	67.79	705.85	76.43	137.07	34.18	221.26	45.93	358.33	56.29	1,064.19	94.40
Other federal government:														
Bureau of Land Management	--	--	61.87	24.11	61.87	24.11	--	--	52.86	23.01	52.86	23.01	114.73	33.28
Department of Defense and Energy	3.70	3.78	--	--	3.70	3.78	--	--	--	--	--	--	3.70	3.78
National Park Service	--	--	--	--	--	--	--	--	139.81	36.54	139.81	36.54	139.81	36.54
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	92.04	30.11	92.04	30.11	--	--	17.45	13.23	17.45	13.23	109.49	32.89
Total	3.70	3.78	153.92	38.57	157.61	38.75	--	--	210.13	45.09	210.13	45.09	367.74	59.12
State and local government:														
Local	--	--	28.44	14.43	28.44	14.43	--	--	8.68	8.53	8.68	8.53	37.12	16.62
State	--	--	--	--	--	--	10.52	8.65	74.41	27.04	84.93	28.30	84.93	28.30
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	28.44	14.43	28.44	14.43	10.52	8.65	83.09	28.35	93.61	29.56	122.05	32.78
Private:														
Corporate	2.68	2.63	68.60	26.96	71.28	27.09	--	--	--	--	--	--	71.28	27.09
Noncorporate private:														
Total, noncorporate private	25.38	14.07	341.94	53.79	367.32	56.02	--	--	--	--	--	--	367.32	56.02
All private	28.05	14.31	410.55	60.13	438.60	62.19	--	--	--	--	--	--	438.60	62.19
All owners	194.77	38.17	1,135.74	99.19	1,330.51	106.50	147.59	35.26	514.48	70.33	662.07	77.94	1,992.58	131.29

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.1: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.72	0.20	5.90	0.24	14.63	0.28	2.44	0.12	1.92	0.13	4.36	0.17	18.98	0.26
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.72	0.20	5.90	0.24	14.63	0.28	2.44	0.12	1.92	0.13	4.36	0.17	18.98	0.26
Other Federal Government:														
Bureau of Land Management	0.39	0.06	2.21	0.16	2.60	0.17	0.02	0.01	0.49	0.06	0.52	0.07	3.12	0.18
Department of Defense and Energy	0.01	0.01	0.12	0.03	0.13	0.04	--	--	--	--	--	--	0.13	0.04
National Park Service	--	--	--	--	--	--	0.76	0.06	0.76	0.08	1.52	0.10	1.52	0.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Other Federal	--	--	0.18	0.05	0.18	0.05	0.01	0.01	0.03	0.01	0.04	0.02	0.22	0.05
Total	0.40	0.06	2.51	0.17	2.91	0.17	0.80	0.06	1.29	0.10	2.09	0.11	5.00	0.20
State and Local Government:														
Local	0.05	0.02	0.19	0.04	0.23	0.05	0.04	0.02	0.33	0.06	0.36	0.06	0.60	0.07
State	0.11	0.03	0.08	0.03	0.19	0.04	0.40	0.06	0.49	0.07	0.89	0.09	1.08	0.10
Other Public	--	--	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.02	0.05	0.02
Total	0.15	0.03	0.28	0.05	0.43	0.06	0.45	0.06	0.84	0.09	1.29	0.11	1.72	0.12
Private:														
Corporate	4.98	0.18	0.89	0.09	5.87	0.20	--	--	--	--	--	--	5.87	0.20
Noncorporate Private:														
Total, Noncorporate Private	4.06	0.16	8.93	0.26	12.99	0.29	--	--	--	--	--	--	12.99	0.29
All Private	9.04	0.20	9.82	0.27	18.86	0.29	--	--	--	--	--	--	18.86	0.29
All Owners	18.32	0.28	18.51	0.40	36.83	0.43	3.68	0.15	4.05	0.19	7.73	0.23	44.56	0.43

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.2: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.78	0.20	5.67	0.24	14.45	0.28	2.47	0.12	1.89	0.13	4.35	0.17	18.80	0.27
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.78	0.20	5.67	0.24	14.45	0.28	2.47	0.12	1.89	0.13	4.35	0.17	18.80	0.27
Other Federal Government:														
Bureau of Land Management	0.38	0.06	2.17	0.16	2.56	0.17	0.02	0.01	0.48	0.06	0.51	0.07	3.06	0.17
Department of Defense and Energy	0.01	0.01	0.14	0.04	0.16	0.04	--	--	--	--	--	--	0.16	0.04
National Park Service	--	--	--	--	--	--	0.76	0.06	0.76	0.08	1.53	0.10	1.53	0.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Other Federal	--	--	0.18	0.05	0.18	0.05	0.01	0.01	0.03	0.01	0.04	0.02	0.22	0.05
Total	0.40	0.06	2.49	0.17	2.89	0.17	0.80	0.06	1.28	0.10	2.08	0.11	4.97	0.20
State and Local Government:														
Local	0.03	0.01	0.19	0.04	0.22	0.04	0.04	0.02	0.32	0.06	0.36	0.06	0.58	0.07
State	0.11	0.03	0.08	0.03	0.19	0.04	0.41	0.06	0.52	0.07	0.93	0.09	1.11	0.10
Other Public	--	--	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.02
Total	0.14	0.03	0.28	0.05	0.42	0.06	0.46	0.06	0.85	0.09	1.30	0.11	1.73	0.12
Private:														
Corporate	4.92	0.18	1.04	0.10	5.97	0.21	--	--	--	--	--	--	5.97	0.21
Noncorporate Private:														
Total, Noncorporate Private	4.00	0.16	8.66	0.26	12.66	0.29	--	--	--	--	--	--	12.66	0.29
All Private	8.92	0.20	9.71	0.26	18.63	0.29	--	--	--	--	--	--	18.63	0.29
All Owners	18.24	0.29	18.15	0.39	36.39	0.43	3.72	0.15	4.01	0.19	7.74	0.23	44.13	0.43

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.3: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.82	0.19	5.27	0.23	14.09	0.26	2.57	0.12	1.95	0.13	4.52	0.15	18.61	0.28
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.82	0.19	5.27	0.23	14.09	0.26	2.57	0.12	1.95	0.13	4.52	0.15	18.61	0.28
Other Federal Government:														
Bureau of Land Management	0.42	0.06	2.15	0.17	2.57	0.18	0.03	0.02	0.40	0.07	0.44	0.07	3.00	0.19
Department of Defense and Energy	0.02	0.01	0.13	0.04	0.15	0.04	--	--	0.01	0.01	0.01	0.01	0.16	0.04
National Park Service	--	--	--	--	--	--	0.78	0.06	0.72	0.09	1.51	0.10	1.51	0.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	0.21	0.05	0.21	0.05	0.00	0.00	0.03	0.02	0.04	0.02	0.24	0.05
Total	0.44	0.06	2.48	0.18	2.92	0.19	0.82	0.06	1.17	0.11	1.99	0.12	4.91	0.20
State and Local Government:														
Local	0.04	0.02	0.18	0.04	0.22	0.05	0.04	0.02	0.31	0.05	0.35	0.06	0.58	0.07
State	0.10	0.03	0.09	0.03	0.19	0.04	0.37	0.05	0.48	0.07	0.85	0.08	1.03	0.08
Other Public	--	--	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.02
Total	0.14	0.03	0.28	0.05	0.42	0.06	0.42	0.05	0.80	0.08	1.22	0.09	1.64	0.10
Private:														
Corporate	5.05	0.19	1.05	0.10	6.10	0.21	--	--	--	--	--	--	6.10	0.21
Noncorporate Private:														
Total, Noncorporate Private	3.99	0.16	8.50	0.26	12.48	0.29	--	--	--	--	--	--	12.48	0.29
All Private	9.03	0.20	9.55	0.27	18.58	0.30	--	--	--	--	--	--	18.58	0.30
All Owners	18.44	0.28	17.58	0.40	36.01	0.43	3.81	0.14	3.92	0.18	7.73	0.21	43.74	0.44

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.4: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.70	0.19	5.13	0.23	13.82	0.25	2.55	0.11	1.90	0.13	4.46	0.15	18.28	0.27
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.70	0.19	5.13	0.23	13.82	0.25	2.55	0.11	1.90	0.13	4.46	0.15	18.28	0.27
Other Federal Government:														
Bureau of Land Management	0.41	0.06	2.07	0.17	2.48	0.18	0.04	0.02	0.43	0.07	0.47	0.07	2.95	0.19
Department of Defense and Energy	0.02	0.01	0.13	0.04	0.15	0.04	--	--	0.01	0.01	0.01	0.01	0.16	0.04
National Park Service	--	--	--	--	--	--	0.79	0.06	0.70	0.08	1.49	0.10	1.49	0.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01
Other Federal	--	--	0.20	0.05	0.20	0.05	--	--	0.02	0.02	0.02	0.02	0.22	0.05
Total	0.44	0.06	2.39	0.18	2.83	0.19	0.83	0.06	1.16	0.11	2.00	0.12	4.83	0.20
State and Local Government:														
Local	0.05	0.02	0.18	0.04	0.23	0.05	0.06	0.02	0.31	0.05	0.36	0.06	0.59	0.07
State	0.10	0.03	0.09	0.03	0.19	0.04	0.36	0.05	0.48	0.07	0.84	0.08	1.02	0.08
Other Public	--	--	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.02
Total	0.14	0.03	0.29	0.05	0.43	0.06	0.42	0.05	0.79	0.08	1.22	0.09	1.65	0.10
Private:														
Corporate	5.06	0.19	1.13	0.11	6.20	0.21	--	--	--	--	--	--	6.20	0.21
Noncorporate Private:														
Total, Noncorporate Private	3.85	0.16	8.22	0.25	12.07	0.28	--	--	--	--	--	--	12.07	0.28
All Private	8.92	0.20	9.35	0.26	18.27	0.29	--	--	--	--	--	--	18.27	0.29
All Owners	18.19	0.28	17.16	0.39	35.35	0.42	3.81	0.14	3.86	0.18	7.67	0.21	43.02	0.44

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.5: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.74	0.18	4.95	0.22	13.69	0.25	2.61	0.12	1.84	0.13	4.45	0.15	18.14	0.27
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.74	0.18	4.95	0.22	13.69	0.25	2.61	0.12	1.84	0.13	4.45	0.15	18.14	0.27
Other Federal Government:														
Bureau of Land Management	0.40	0.06	1.99	0.16	2.39	0.17	0.06	0.02	0.39	0.06	0.44	0.07	2.83	0.18
Department of Defense and Energy	0.02	0.01	0.12	0.04	0.15	0.04	--	--	0.01	0.01	0.01	0.01	0.15	0.04
National Park Service	--	--	--	--	--	--	0.79	0.06	0.69	0.08	1.48	0.10	1.48	0.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01
Other Federal	--	--	0.20	0.05	0.20	0.05	--	--	0.02	0.02	0.02	0.02	0.22	0.05
Total	0.42	0.06	2.32	0.17	2.73	0.18	0.85	0.06	1.11	0.10	1.96	0.12	4.70	0.19
State and Local Government:														
Local	0.05	0.02	0.19	0.04	0.25	0.05	0.06	0.02	0.30	0.05	0.35	0.06	0.60	0.07
State	0.10	0.03	0.09	0.03	0.19	0.04	0.36	0.05	0.47	0.07	0.83	0.08	1.02	0.08
Other Public	--	--	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.02
Total	0.15	0.03	0.30	0.05	0.45	0.06	0.42	0.05	0.78	0.08	1.20	0.09	1.65	0.10
Private:														
Corporate	5.08	0.19	1.23	0.11	6.31	0.21	--	--	--	--	--	--	6.31	0.21
Noncorporate Private:														
Total, Noncorporate Private	3.77	0.16	8.04	0.25	11.81	0.28	--	--	--	--	--	--	11.81	0.28
All Private	8.85	0.20	9.28	0.26	18.13	0.29	--	--	--	--	--	--	18.13	0.29
All Owners	18.16	0.27	16.84	0.38	35.00	0.42	3.88	0.14	3.73	0.18	7.61	0.21	42.62	0.43

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.6: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.74	0.17	4.77	0.20	13.52	0.22	2.58	0.10	1.93	0.12	4.51	0.14	18.03	0.24
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.74	0.17	4.77	0.20	13.52	0.22	2.58	0.10	1.93	0.12	4.51	0.14	18.03	0.24
Other Federal Government:														
Bureau of Land Management	0.38	0.05	2.00	0.15	2.38	0.16	0.07	0.02	0.37	0.06	0.44	0.06	2.82	0.16
Department of Defense and Energy	0.02	0.01	0.12	0.03	0.15	0.03	--	--	0.01	0.01	0.01	0.01	0.15	0.04
National Park Service	--	--	--	--	--	--	0.79	0.05	0.69	0.08	1.48	0.09	1.48	0.09
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00
Other Federal	--	--	0.20	0.04	0.20	0.04	--	--	0.02	0.01	0.02	0.01	0.23	0.05
Total	0.41	0.05	2.32	0.16	2.73	0.16	0.86	0.06	1.10	0.09	1.96	0.10	4.69	0.18
State and Local Government:														
Local	0.05	0.02	0.19	0.04	0.25	0.04	0.05	0.02	0.29	0.05	0.34	0.05	0.58	0.06
State	0.10	0.02	0.09	0.03	0.18	0.04	0.35	0.04	0.46	0.06	0.82	0.07	1.00	0.07
Other Public	--	--	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.02
Total	0.15	0.03	0.30	0.05	0.44	0.06	0.41	0.05	0.76	0.07	1.17	0.08	1.62	0.09
Private:														
Corporate	5.17	0.17	1.38	0.11	6.55	0.20	--	--	--	--	--	--	6.55	0.20
Noncorporate Private:														
Total, Noncorporate Private	3.65	0.14	7.79	0.22	11.44	0.25	--	--	--	--	--	--	11.44	0.25
All Private	8.82	0.18	9.17	0.24	17.99	0.26	--	--	--	--	--	--	17.99	0.26
All Owners	18.12	0.25	16.56	0.35	34.68	0.38	3.86	0.13	3.79	0.17	7.65	0.19	42.32	0.39

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C27.7: Aboveground and Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, All California (10 year averages): 2007-2016

**information from Table C19 and Table C28 and converted from thousand metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	8.66	0.18	4.66	0.22	13.32	0.24	2.61	0.11	1.97	0.13	4.58	0.15	17.90	0.27
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8.66	0.18	4.66	0.22	13.32	0.24	2.61	0.11	1.97	0.13	4.58	0.15	17.90	0.27
Other federal government:														
Bureau of Land Management	0.36	0.06	1.99	0.17	2.36	0.17	0.10	0.03	0.38	0.06	0.48	0.07	2.84	0.18
Department of Defense and Energy	0.02	0.02	0.13	0.04	0.16	0.04	--	--	0.01	0.01	0.01	0.01	0.17	0.04
National Park Service	--	--	--	--	--	--	0.79	0.06	0.70	0.08	1.49	0.10	1.49	0.10
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01
Other federal	--	--	0.17	0.04	0.17	0.04	--	--	0.02	0.02	0.02	0.02	0.20	0.04
Total	0.39	0.06	2.30	0.17	2.68	0.18	0.90	0.06	1.11	0.10	2.01	0.12	4.70	0.20
State and local government:														
Local	0.06	0.02	0.24	0.05	0.30	0.05	0.05	0.02	0.28	0.05	0.34	0.05	0.63	0.07
State	0.09	0.02	0.09	0.03	0.19	0.04	0.35	0.05	0.47	0.06	0.81	0.08	1.00	0.08
Other public	--	--	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.02
Total	0.15	0.03	0.34	0.06	0.50	0.07	0.41	0.05	0.76	0.08	1.17	0.09	1.67	0.10
Private:														
Corporate	5.28	0.19	1.45	0.12	6.74	0.22	--	--	--	--	--	--	6.74	0.22
Noncorporate private:														
Total, noncorporate private	3.44	0.15	7.70	0.25	11.14	0.27	--	--	--	--	--	--	11.14	0.27
All private	8.72	0.20	9.16	0.26	17.88	0.29	--	--	--	--	--	--	17.88	0.29
All owners	17.92	0.27	16.46	0.38	34.38	0.41	3.91	0.14	3.85	0.19	7.76	0.21	42.14	0.43

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C28: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: All California

**information combined with information from Table C19 in Table C27.7 and converted to million metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	866.2042	17.8609	465.6887	21.5541	1,331.8929	24.2378	260.7118	11.2359	197.0348	13.1545	457.7466	15.0881	1,789.6395	26.6486
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	866.2042	17.8609	465.6887	21.5541	1,331.8929	24.2378	260.7118	11.2359	197.0348	13.1545	457.7466	15.0881	1,789.6395	26.6486
Other federal government:														
Bureau of Land Management	36.2851	5.6865	199.4966	16.7024	235.7818	17.4868	10.0532	2.9926	37.7764	6.3483	47.8295	7.0168	283.6113	18.2884
Department of Defense and Energy	2.3789	1.5506	13.2144	3.6009	15.5934	3.9205	--	--	0.9627	0.9598	0.9627	0.9598	16.5560	4.0363
National Park Service	--	--	--	--	--	--	79.3269	5.9488	70.1059	8.3914	149.4328	9.9725	149.4328	9.9725
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.5008	0.5124	0.0928	0.0934	0.5937	0.5209	0.5937	0.5209
Other federal	--	--	17.0677	4.1745	17.0677	4.1745	--	--	2.4914	1.5214	2.4914	1.5214	19.5591	4.4431
Total	38.6641	5.8322	229.7787	17.3784	268.4428	18.1570	89.8809	6.4295	111.4292	10.3774	201.3101	11.6987	469.7529	19.6430
State and local government:														
Local	6.0847	2.0936	23.6321	4.6398	29.7168	5.1688	5.1843	2.0403	28.4975	5.2208	33.6818	5.4223	63.3986	7.4350
State	9.2395	2.3020	9.2904	3.2306	18.5298	3.9409	34.8096	4.6106	46.6233	6.4568	81.4330	7.6731	99.9628	7.9519
Other public	--	--	1.5456	1.2746	1.5456	1.2746	0.7751	0.8631	0.9930	1.0747	1.7681	1.3784	3.3137	1.8773
Total	15.3241	3.0926	34.4681	5.7879	49.7922	6.6046	40.7690	5.0333	76.1138	7.9819	116.8828	8.9902	166.6750	10.4091
Private:														
Corporate	528.4526	18.7992	145.4682	12.0986	673.9207	21.8244	--	--	--	--	--	--	673.9207	21.8244
Noncorporate private:														
Total, noncorporate private	343.8446	15.0700	770.4697	24.5391	1,114.3143	27.2590	--	--	--	--	--	--	1,114.3143	27.2590
All private	872.2972	19.8690	915.9379	25.9996	1,788.2351	29.0402	--	--	--	--	--	--	1,788.2351	29.0402
All owners	1,792.4896	26.9397	1,645.8734	37.9516	3,438.3630	41.2471	391.3617	13.8698	384.5778	18.5321	775.9396	21.0278	4,214.3025	43.0425

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C29: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Ownership group	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	0.2723	0.2496	14.4613	3.6941	14.7336	3.7017	3.9081	1.9077	22.5394	4.8518	26.4475	5.1603	41.1812	6.3507
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.2723	0.2496	14.4613	3.6941	14.7336	3.7017	3.9081	1.9077	22.5394	4.8518	26.4475	5.1603	41.1812	6.3507
Other federal government:														
Bureau of Land Management	--	--	11.5246	3.5953	11.5246	3.5953	--	--	1.9020	1.3898	1.9020	1.3898	13.4267	3.8541
Department of Defense and Energy	--	--	8.2364	2.6887	8.2364	2.6887	--	--	--	--	--	--	8.2364	2.6887
National Park Service	--	--	--	--	--	--	--	--	0.9439	1.0511	0.9439	1.0511	0.9439	1.0511
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	1.9541	1.5024	1.9541	1.5024	--	--	0.0318	0.0352	0.0318	0.0352	1.9859	1.5028
Total	--	--	21.7152	4.6929	21.7152	4.6929	--	--	2.8777	1.7429	2.8777	1.7429	24.5929	5.0056
State and local government:														
Local	--	--	4.8100	1.9812	4.8100	1.9812	5.1843	2.0403	18.2851	4.0035	23.4694	4.2630	28.2794	4.6498
State	1.8643	1.1558	2.0621	1.6504	3.9263	2.0508	5.0173	2.1016	20.1300	4.1846	25.1473	4.6575	29.0736	5.0794
Other public	--	--	--	--	--	--	0.7751	0.8631	0.9930	1.0747	1.7681	1.3784	1.7681	1.3784
Total	1.8643	1.1558	6.8720	2.5785	8.7363	2.8514	10.9766	3.0395	39.4081	5.5755	50.3847	6.0561	59.1211	6.5335
Private:														
Corporate	5.7996	2.3490	23.6990	4.5383	29.4986	5.1035	--	--	--	--	--	--	29.4986	5.1035
Noncorporate private:														
Total, noncorporate private	16.3131	3.3151	128.8822	10.4892	145.1953	10.9493	--	--	--	--	--	--	145.1953	10.9493
All private	22.1128	4.0462	152.5812	11.3201	174.6939	11.9706	--	--	--	--	--	--	174.6939	11.9706
All owners	24.2494	4.2220	195.6297	13.0515	219.8790	13.6737	14.8847	3.5886	64.8253	7.5630	79.7100	8.1072	299.5890	15.7604

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C30: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	0.0928	0.0934	0.0928	0.0934	0.0928	0.0934
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	0.0928	0.0934	0.0928	0.0934	0.0928	0.0934
State and local government:														
Local	--	--	0.7347	0.5102	0.7347	0.5102	--	--	--	--	--	--	0.7347	0.5102
State	--	--	--	--	--	--	--	--	0.8408	0.7637	0.8408	0.7637	0.8408	0.7637
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	0.7347	0.5102	0.7347	0.5102	--	--	0.8408	0.7637	0.8408	0.7637	1.5755	0.9185
Private:														
Corporate	--	--	1.1294	1.0244	1.1294	1.0244	--	--	--	--	--	--	1.1294	1.0244
Noncorporate private:														
Total, noncorporate private	0.0125	0.0128	12.1862	3.2301	12.1987	3.2302	--	--	--	--	--	--	12.1987	3.2302
All private	0.0125	0.0128	13.3156	3.3868	13.3281	3.3868	--	--	--	--	--	--	13.3281	3.3868
All owners	0.0125	0.0128	14.0503	3.4241	14.0628	3.4241	--	--	0.9336	0.7694	0.9336	0.7694	14.9964	3.5095

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C31: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	84.6197	8.7132	181.7837	16.2118	266.4034	18.1598	5.1704	2.0092	14.8871	4.5198	20.0575	4.9265	286.4609	18.7957
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	84.6197	8.7132	181.7837	16.2118	266.4034	18.1598	5.1704	2.0092	14.8871	4.5198	20.0575	4.9265	286.4609	18.7957
Other federal government:														
Bureau of Land Management	4.9448	2.4644	117.2607	14.5508	122.2056	14.7424	--	--	9.7445	3.3195	9.7445	3.3195	131.9500	14.9924
Department of Defense and Energy	--	--	4.9780	2.4057	4.9780	2.4057	--	--	--	--	--	--	4.9780	2.4057
National Park Service	--	--	--	--	--	--	--	--	11.8746	3.6083	11.8746	3.6083	11.8746	3.6083
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	4.9448	2.4644	122.2387	14.6994	127.1835	14.8891	--	--	21.6191	4.8849	21.6191	4.8849	148.8026	15.4337
State and local government:														
Local	--	--	1.0862	1.0958	1.0862	1.0958	--	--	--	--	--	--	1.0862	1.0958
State	--	--	--	--	--	--	0.5506	0.6132	1.7630	1.5330	2.3136	1.6511	2.3136	1.6511
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	1.0862	1.0958	1.0862	1.0958	0.5506	0.6132	1.7630	1.5330	2.3136	1.6511	3.3998	1.9817
Private:														
Corporate	31.1361	6.4296	17.4103	5.1875	48.5464	8.2985	--	--	--	--	--	--	48.5464	8.2985
Noncorporate private:														
Total, noncorporate private	10.2320	2.5993	43.4095	9.5083	53.6415	9.8796	--	--	--	--	--	--	53.6415	9.8796
All private	41.3681	6.8855	60.8198	10.7958	102.1879	12.8358	--	--	--	--	--	--	102.1879	12.8358
All owners	130.9326	11.4282	365.9285	24.4394	496.8610	26.8081	5.7210	2.1007	38.2691	6.8295	43.9901	7.1316	540.8512	27.5865

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C32: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Ownership group	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	259.4375	12.4916	57.5837	7.3418	317.0212	14.1245	138.7532	9.4341	46.7869	6.9548	185.5402	11.3717	502.5614	17.5939
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	259.4375	12.4916	57.5837	7.3418	317.0212	14.1245	138.7532	9.4341	46.7869	6.9548	185.5402	11.3717	502.5614	17.5939
Other federal government:														
Bureau of Land Management	16.8897	3.7727	18.6093	4.2497	35.4990	5.7491	0.6037	0.5984	3.7514	1.9442	4.3552	2.0342	39.8542	6.0885
Department of Defense and Energy	--	--	--	--	--	--	--	--	0.9627	0.9598	0.9627	0.9598	0.9627	0.9598
National Park Service	--	--	--	--	--	--	8.3029	2.6811	6.2051	2.3847	14.5080	3.6413	14.5080	3.6413
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	1.2828	0.9539	1.2828	0.9539	--	--	0.1928	0.2135	0.1928	0.2135	1.4756	0.9775
Total	16.8897	3.7727	19.8921	4.3553	36.7819	5.8276	8.9067	2.7377	11.1120	3.2301	20.0186	4.2794	56.8005	7.0671
State and local government:														
Local	0.3158	0.2653	1.8582	1.2843	2.1741	1.3114	--	--	1.0298	0.9885	1.0298	0.9885	3.2039	1.6420
State	1.0022	0.7909	2.3301	1.5858	3.3324	1.7721	0.3949	0.2963	3.1376	1.7689	3.5325	1.8372	6.8649	2.5526
Other public	--	--	0.1480	0.1342	0.1480	0.1342	--	--	--	--	--	--	0.1480	0.1342
Total	1.3181	0.8342	4.3363	2.0441	5.6544	2.2078	0.3949	0.2963	4.1674	2.0264	4.5623	2.0862	10.2168	3.0268
Private:														
Corporate	110.3638	9.8200	40.2268	6.3407	150.5905	11.6346	--	--	--	--	--	--	150.5905	11.6346
Noncorporate private:														
Total, noncorporate private	99.0314	9.1328	169.3113	12.2706	268.3427	15.1488	--	--	--	--	--	--	268.3427	15.1488
All private	209.3952	13.0117	209.5381	13.6653	418.9332	18.5598	--	--	--	--	--	--	418.9332	18.5598
All owners	487.0405	18.4617	291.3502	16.2361	778.3907	24.1124	148.0548	9.8318	62.0663	7.9308	210.1211	12.3307	988.5119	26.6364

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C33: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	2.6346	1.4043	1.1082	1.0640	3.7428	1.7618	1.3844	1.0474	--	--	1.3844	1.0474	5.1272	2.0489
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.6346	1.4043	1.1082	1.0640	3.7428	1.7618	1.3844	1.0474	--	--	1.3844	1.0474	5.1272	2.0489
Other federal government:														
Bureau of Land Management	4.3972	1.9276	--	--	4.3972	1.9276	8.9991	2.9086	--	--	8.9991	2.9086	13.3963	3.5242
Department of Defense and Energy	1.9682	1.4927	--	--	1.9682	1.4927	--	--	--	--	--	--	1.9682	1.4927
National Park Service	--	--	--	--	--	--	5.3700	2.1081	1.1171	1.0809	6.4871	2.3228	6.4871	2.3228
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.5008	0.5124	--	--	0.5008	0.5124	0.5008	0.5124
Other federal	--	--	0.4072	0.4429	0.4072	0.4429	--	--	--	--	--	--	0.4072	0.4429
Total	6.3654	2.4380	0.4072	0.4429	6.7726	2.4779	14.8700	3.5788	1.1171	1.0809	15.9870	3.6576	22.7597	4.4017
State and local government:														
Local	1.5577	0.8879	1.1994	0.8609	2.7571	1.4685	--	--	7.2053	2.9758	7.2053	2.9758	9.9624	3.3184
State	5.0518	1.7637	0.3029	0.2747	5.3548	1.7850	22.2298	4.2511	1.5895	1.2136	23.8194	4.4121	29.1741	4.3009
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	6.6095	1.9746	1.5023	0.9037	8.1118	2.3114	22.2298	4.2511	8.7948	3.2138	31.0247	5.3209	39.1365	5.4206
Private:														
Corporate	161.2567	10.9692	6.4185	2.3390	167.6752	11.1955	--	--	--	--	--	--	167.6752	11.1955
Noncorporate private:														
Total, noncorporate private	114.6732	9.7320	27.4374	4.7646	142.1107	10.7827	--	--	--	--	--	--	142.1107	10.7827
All private	275.9299	13.7857	33.8560	5.2881	309.7859	14.5988	--	--	--	--	--	--	309.7859	14.5988
All owners	291.5394	14.1448	36.8737	5.4858	328.4132	15.0270	38.4842	5.6521	9.9119	3.3907	48.3961	6.5383	376.8093	16.1401

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C34: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	501.1267	16.0958	150.4371	13.5109	651.5638	19.9008	96.2655	7.2515	88.2367	9.1876	184.5022	11.0818	836.0660	22.3846
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	501.1267	16.0958	150.4371	13.5109	651.5638	19.9008	96.2655	7.2515	88.2367	9.1876	184.5022	11.0818	836.0660	22.3846
Other federal government:														
Bureau of Land Management	10.0533	2.9722	45.2272	7.0971	55.2805	7.6537	0.4503	0.3709	16.5050	4.2862	16.9553	4.3022	72.2358	8.6224
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	65.6540	5.2614	34.4304	5.9985	100.0843	7.7618	100.0843	7.7618
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	3.1964	1.6976	3.1964	1.6976	--	--	0.3279	0.3269	0.3279	0.3269	3.5243	1.7288
Total	10.0533	2.9722	48.4236	7.2782	58.4769	7.8210	66.1043	5.2703	51.2632	7.2673	117.3675	8.6917	175.8444	11.0725
State and local government:														
Local	4.2111	1.8773	10.7834	3.3547	14.9946	3.8716	--	--	1.0131	0.8810	1.0131	0.8810	16.0077	3.9632
State	1.3211	0.6758	4.5953	2.2815	5.9163	2.3701	5.4480	1.7602	10.8942	3.3837	16.3422	3.8151	22.2585	4.4269
Other public	--	--	1.3977	1.2677	1.3977	1.2677	--	--	--	--	--	--	1.3977	1.2677
Total	5.5322	1.9953	16.7763	4.2448	22.3086	4.7036	5.4480	1.7602	11.9073	3.4965	17.3553	3.9155	39.6639	6.0611
Private:														
Corporate	219.5991	14.2125	48.9616	6.8857	268.5607	15.6736	--	--	--	--	--	--	268.5607	15.6736
Noncorporate private:														
Total, noncorporate private	100.7628	8.4755	351.2495	17.9037	452.0123	19.5149	--	--	--	--	--	--	452.0123	19.5149
All private	320.3619	15.8411	400.2110	18.7594	720.5729	23.6668	--	--	--	--	--	--	720.5729	23.6668
All owners	837.0742	22.7101	615.8481	24.4927	1,452.9223	31.9074	167.8178	9.1174	151.4072	12.2149	319.2250	14.5702	1,772.1473	34.3347

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C35: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	18.1134	3.9097	60.3146	7.5325	78.4280	8.4918	15.2301	3.7981	24.5847	5.1034	39.8148	6.2542	118.2429	10.4884
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	18.1134	3.9097	60.3146	7.5325	78.4280	8.4918	15.2301	3.7981	24.5847	5.1034	39.8148	6.2542	118.2429	10.4884
Other federal government:														
Bureau of Land Management	--	--	6.8748	2.6792	6.8748	2.6792	--	--	5.8735	2.5567	5.8735	2.5567	12.7483	3.6974
Department of Defense and Energy	0.4108	0.4199	--	--	0.4108	0.4199	--	--	--	--	--	--	0.4108	0.4199
National Park Service	--	--	--	--	--	--	--	--	15.5349	4.0603	15.5349	4.0603	15.5349	4.0603
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	10.2270	3.3461	10.2270	3.3461	--	--	1.9389	1.4701	1.9389	1.4701	12.1660	3.6548
Total	0.4108	0.4199	17.1019	4.2855	17.5127	4.3060	--	--	23.3473	5.0103	23.3473	5.0103	40.8600	6.5692
State and local government:														
Local	--	--	3.1601	1.6038	3.1601	1.6038	--	--	0.9642	0.9477	0.9642	0.9477	4.1243	1.8468
State	--	--	--	--	--	--	1.1690	0.9607	8.2682	3.0046	9.4372	3.1444	9.4372	3.1444
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	3.1601	1.6038	3.1601	1.6038	1.1690	0.9607	9.2324	3.1505	10.4014	3.2841	13.5614	3.6424
Private:														
Corporate	0.2972	0.2922	7.6226	2.9952	7.9199	3.0095	--	--	--	--	--	--	7.9199	3.0095
Noncorporate private:														
Total, noncorporate private	2.8196	1.5629	37.9937	5.9762	40.8133	6.2244	--	--	--	--	--	--	40.8133	6.2244
All private	3.1168	1.5900	45.6163	6.6806	48.7331	6.9097	--	--	--	--	--	--	48.7331	6.9097
All owners	21.6410	4.2415	126.1929	11.0208	147.8339	11.8331	16.3991	3.9177	57.1644	7.8149	73.5635	8.6603	221.3974	14.5873

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C36: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California

**information combined with information from Table C45 in Table C44.7 in million metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	73,141	1,557	4,972	405	78,112	1,521	24,551	1,136	3,555	345	28,106	1,129	106,218	1,712
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	73,141	1,557	4,972	405	78,112	1,521	24,551	1,136	3,555	345	28,106	1,129	106,218	1,712
Other federal government:														
Bureau of Land Management	2,166	446	1,245	180	3,411	478	697	228	271	66	967	238	4,378	528
Department of Defense and Energy	53	39	165	57	218	70	--	--	26	26	26	26	244	74
National Park Service	--	--	--	--	--	--	10,971	1,011	1,346	241	12,317	1,027	12,317	1,027
U.S. Fish and Wildlife Service	--	--	--	--	--	--	5	5	3	3	8	6	8	6
Other federal	--	--	82	28	82	28	--	--	16	11	16	11	98	30
Total	2,218	447	1,492	190	3,710	482	11,673	1,024	1,661	248	13,334	1,038	17,044	1,074
State and local government:														
Local	611	222	429	109	1,040	248	689	277	608	135	1,297	300	2,337	388
State	1,441	383	143	84	1,585	386	5,617	1,199	904	228	6,521	1,213	8,106	1,133
Other public	--	--	5	4	5	4	69	77	8	9	77	77	81	77
Total	2,053	441	577	138	2,630	457	6,374	1,228	1,520	261	7,894	1,243	10,524	1,183
Private:														
Corporate	30,395	1,182	2,457	262	32,852	1,200	--	--	--	--	--	--	32,852	1,200
Noncorporate private:														
Total, noncorporate private	26,029	1,320	11,107	487	37,136	1,356	--	--	--	--	--	--	37,136	1,356
All private	56,425	1,436	13,564	536	69,988	1,421	--	--	--	--	--	--	69,988	1,421
All owners	133,836	2,160	20,604	709	154,441	2,123	42,598	1,959	6,737	498	49,335	1,971	203,775	2,596

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C37: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	1	1	126	62	127	62	624	403	360	124	984	425	1,111	429
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	1	126	62	127	62	624	403	360	124	984	425	1,111	429
Other federal government:														
Bureau of Land Management	--	--	48	18	48	18	--	--	3	2	3	2	51	18
Department of Defense and Energy	--	--	143	56	143	56	--	--	--	--	--	--	143	56
National Park Service	--	--	--	--	--	--	--	--	37	41	37	41	37	41
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	8	9	8	9	--	--	--	--	--	--	8	9
Total	--	--	199	59	199	59	--	--	40	41	40	41	239	72
State and local government:														
Local	--	--	132	63	132	63	689	277	457	123	1,145	295	1,278	301
State	281	185	17	11	299	188	1,002	442	366	94	1,369	452	1,667	485
Other public	--	--	--	--	--	--	69	77	8	9	77	77	77	77
Total	281	185	150	63	431	198	1,760	525	831	150	2,591	538	3,022	563
Private:														
Corporate	514	221	624	148	1,139	266	--	--	--	--	--	--	1,139	266
Noncorporate private:														
Total, noncorporate private	2,573	553	2,226	218	4,799	591	--	--	--	--	--	--	4,799	591
All private	3,087	593	2,850	261	5,937	644	--	--	--	--	--	--	5,937	644
All owners	3,369	625	3,325	282	6,695	683	2,384	662	1,230	198	3,614	686	10,309	967

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C38: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	3	3	3	3	3	3
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	3	3	3	3	3	3
State and local government:														
Local	--	--	16	14	16	14	--	--	--	--	--	--	16	14
State	--	--	--	--	--	--	--	--	27	27	27	27	27	27
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	16	14	16	14	--	--	27	27	27	27	42	31
Private:														
Corporate	--	--	22	20	22	20	--	--	--	--	--	--	22	20
Noncorporate private:														
Total, noncorporate private	--	--	183	69	183	69	--	--	--	--	--	--	183	69
All private	--	--	204	72	204	72	--	--	--	--	--	--	204	72
All owners	--	--	220	73	220	73	--	--	29	27	29	27	249	78

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C39: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	2,484	273	848	114	3,332	296	315	140	292	100	606	172	3,938	342
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,484	273	848	114	3,332	296	315	140	292	100	606	172	3,938	342
Other federal government:														
Bureau of Land Management	82	40	331	50	413	64	--	--	69	28	69	28	482	69
Department of Defense and Energy	--	--	23	13	23	13	--	--	--	--	--	--	23	13
National Park Service	--	--	--	--	--	--	--	--	80	30	80	30	80	30
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	82	40	353	52	435	65	--	--	149	41	149	41	585	75
State and local government:														
Local	--	--	12	12	12	12	--	--	--	--	--	--	12	12
State	--	--	--	--	--	--	28	31	8	7	36	32	36	32
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	12	12	12	12	28	31	8	7	36	32	48	34
Private:														
Corporate	483	110	48	18	531	112	--	--	--	--	--	--	531	112
Noncorporate private:														
Total, noncorporate private	301	89	109	29	411	94	--	--	--	--	--	--	411	94
All private	785	141	157	34	942	146	--	--	--	--	--	--	942	146
All owners	3,351	313	1,370	130	4,721	339	343	144	449	108	792	180	5,513	383

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C40: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	27,359	1,409	1,579	276	28,938	1,422	12,676	855	884	188	13,560	868	42,498	1,625
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	27,359	1,409	1,579	276	28,938	1,422	12,676	855	884	188	13,560	868	42,498	1,625
Other federal government:														
Bureau of Land Management	1,073	273	418	122	1,491	300	97	96	76	48	173	107	1,664	319
Department of Defense and Energy	--	--	--	--	--	--	--	--	26	26	26	26	26	26
National Park Service	--	--	--	--	--	--	1,584	693	103	52	1,686	695	1,686	695
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	7	4	7	4	--	--	3	3	3	3	9	5
Total	1,073	273	424	122	1,497	300	1,680	698	208	76	1,888	703	3,385	757
State and local government:														
Local	99	83	28	19	127	85	--	--	21	21	21	21	148	88
State	102	62	10	8	113	63	115	101	88	57	203	128	316	143
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	201	104	38	21	240	106	115	101	109	61	224	130	463	167
Private:														
Corporate	5,788	557	756	141	6,544	579	--	--	--	--	--	--	6,544	579
Noncorporate private:														
Total, noncorporate private	6,916	739	2,965	266	9,881	782	--	--	--	--	--	--	9,881	782
All private	12,704	901	3,721	299	16,425	946	--	--	--	--	--	--	16,425	946
All owners	41,337	1,705	5,762	427	47,099	1,744	14,471	1,108	1,201	212	15,672	1,123	62,771	2,035

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C41: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	303	198	9	8	312	198	461	355	--	--	461	355	774	406
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	303	198	9	8	312	198	461	355	--	--	461	355	774	406
Other federal government:														
Bureau of Land Management	530	312	--	--	530	312	535	200	--	--	535	200	1,065	370
Department of Defense and Energy	52	39	--	--	52	39	--	--	--	--	--	--	52	39
National Park Service	--	--	--	--	--	--	1,075	469	25	19	1,100	469	1,100	469
U.S. Fish and Wildlife Service	--	--	--	--	--	--	5	5	--	--	5	5	5	5
Other federal	--	--	3	3	3	3	--	--	--	--	--	--	3	3
Total	582	314	3	3	585	314	1,615	506	25	19	1,640	506	2,225	591
State and local government:														
Local	239	165	4	4	243	165	--	--	114	52	114	52	358	173
State	821	310	1	1	822	310	3,787	1,201	232	194	4,018	1,216	4,840	1,191
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,060	351	5	4	1,065	351	3,787	1,201	346	200	4,133	1,217	5,198	1,203
Private:														
Corporate	12,701	989	228	85	12,929	992	--	--	--	--	--	--	12,929	992
Noncorporate private:														
Total, noncorporate private	9,758	939	1,014	231	10,772	964	--	--	--	--	--	--	10,772	964
All private	22,460	1,287	1,242	245	23,702	1,303	--	--	--	--	--	--	23,702	1,303
All owners	24,405	1,380	1,259	246	25,664	1,395	5,863	1,351	371	201	6,234	1,365	31,898	1,902

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C42: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	42,481	1,438	1,932	265	44,413	1,433	10,093	834	1,719	245	11,811	846	56,225	1,614
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	42,481	1,438	1,932	265	44,413	1,433	10,093	834	1,719	245	11,811	846	56,225	1,614
Other federal government:														
Bureau of Land Management	480	174	437	124	917	214	65	56	118	36	183	67	1,101	222
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	8,313	706	1,074	229	9,386	729	9,386	729
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	35	20	35	20	--	--	10	10	10	10	45	22
Total	480	174	472	125	952	215	8,378	708	1,202	231	9,580	730	10,532	745
State and local government:														
Local	273	124	208	84	482	151	--	--	--	--	--	--	482	151
State	237	148	115	83	352	167	661	267	156	54	816	271	1,168	305
Other public	--	--	5	4	5	4	--	--	--	--	--	--	5	4
Total	510	193	328	118	838	225	661	267	156	54	816	271	1,654	341
Private:														
Corporate	10,875	719	761	141	11,636	729	--	--	--	--	--	--	11,636	729
Noncorporate private:														
Total, noncorporate private	6,377	547	4,162	283	10,539	603	--	--	--	--	--	--	10,539	603
All private	17,252	847	4,923	310	22,175	873	--	--	--	--	--	--	22,175	873
All owners	60,724	1,671	7,654	441	68,378	1,682	19,131	1,126	3,076	342	22,207	1,150	90,585	1,944

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C43: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	512	139	478	90	990	166	382	114	301	91	683	146	1,673	221
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	512	139	478	90	990	166	382	114	301	91	683	146	1,673	221
Other federal government:														
Bureau of Land Management	--	--	11	7	11	7	--	--	4	3	4	3	15	8
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	29	12	29	12	29	12
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	29	17	29	17	--	--	3	3	3	3	33	17
Total	--	--	40	18	41	18	--	--	36	12	36	12	77	22
State and local government:														
Local	--	--	29	18	29	18	--	--	16	16	16	16	45	24
State	--	--	--	--	--	--	23	30	28	15	51	33	51	33
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	29	18	29	18	23	30	44	22	68	37	96	41
Private:														
Corporate	34	33	18	9	52	35	--	--	--	--	--	--	52	35
Noncorporate private:														
Total, noncorporate private	104	63	448	127	552	143	--	--	--	--	--	--	552	143
All private	138	71	466	128	604	148	--	--	--	--	--	--	604	148
All owners	650	156	1,013	158	1,663	224	406	118	381	95	787	151	2,450	269

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.1: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	78.993	1.867	7.022	0.481	86.015	1.856	26.358	1.437	3.936	0.384	30.295	1.468	116.309	1.809
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	78.993	1.867	7.022	0.481	86.015	1.856	26.358	1.437	3.936	0.384	30.295	1.468	116.309	1.809
Other Federal Government:														
Bureau of Land Management	2.165	0.386	1.404	0.191	3.570	0.425	--	--	--	--	0.516	0.129	4.085	0.440
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	11.991	1.178	1.298	0.221	13.289	1.162	13.289	1.162
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.191	0.387	1.687	0.205	3.878	0.431	12.486	1.195	1.690	0.235	14.176	1.178	18.054	1.226
State and Local Government:														
Local	--	--	--	--	0.744	0.200	0.541	0.250	0.745	0.162	1.286	0.297	2.030	0.357
State	1.349	0.403	--	--	1.477	0.407	6.400	1.420	1.076	0.255	7.477	1.440	8.953	1.455
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1.681	0.432	0.543	0.136	2.225	0.453	7.037	1.443	1.830	0.300	8.867	1.471	11.092	1.496
Private:														
Corporate	28.776	1.175	1.479	0.191	30.255	1.185	--	--	--	--	--	--	30.255	1.185
Noncorporate Private:														
Total, Noncorporate Private	27.870	1.345	13.231	0.570	41.101	1.404	--	--	--	--	--	--	41.101	1.404
All Private	56.646	1.471	14.710	0.589	71.356	1.475	--	--	--	--	--	--	71.356	1.475
All Owners	139.511	2.416	23.963	0.795	163.474	2.411	45.881	2.267	7.457	0.540	53.338	2.294	216.812	2.779

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.2: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	80.560	1.900	6.911	0.485	87.471	1.890	26.827	1.461	3.982	0.392	30.809	1.493	118.280	1.846
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	80.560	1.900	6.911	0.485	87.471	1.890	26.827	1.461	3.982	0.392	30.809	1.493	118.280	1.846
Other Federal Government:														
Bureau of Land Management	2.167	0.388	1.373	0.189	3.540	0.428	--	--	--	--	0.521	0.135	4.062	0.445
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	12.215	1.190	1.315	0.223	13.530	1.174	13.530	1.174
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.196	0.389	1.662	0.203	3.858	0.433	12.717	1.208	1.705	0.237	14.422	1.191	18.280	1.240
State and Local Government:														
Local	--	--	--	--	0.723	0.197	0.551	0.256	0.753	0.165	1.304	0.303	2.027	0.360
State	1.346	0.401	--	--	1.493	0.409	6.499	1.425	1.129	0.260	7.627	1.447	9.120	1.462
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1.649	0.429	0.571	0.146	2.220	0.453	7.148	1.450	1.889	0.306	9.037	1.478	11.257	1.504
Private:														
Corporate	28.322	1.177	1.840	0.226	30.162	1.191	--	--	--	--	--	--	30.162	1.191
Noncorporate Private:														
Total, Noncorporate Private	28.200	1.365	12.795	0.558	40.996	1.421	--	--	--	--	--	--	40.996	1.421
All Private	56.522	1.504	14.635	0.587	71.158	1.507	--	--	--	--	--	--	71.158	1.507
All Owners	140.927	2.443	23.780	0.797	164.707	2.438	46.693	2.295	7.575	0.550	54.268	2.323	218.974	2.801

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.3: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	80.050	1.681	6.416	0.462	86.466	1.638	27.619	1.237	4.214	0.403	31.833	1.221	118.299	1.816
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	80.050	1.681	6.416	0.462	86.466	1.638	27.619	1.237	4.214	0.403	31.833	1.221	118.299	1.816
Other Federal Government:														
Bureau of Land Management	2.348	0.403	1.389	0.190	3.737	0.443	--	--	--	--	0.526	0.152	4.262	0.464
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	12.198	1.093	1.343	0.241	13.540	1.104	13.540	1.104
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.397	0.404	1.681	0.205	4.078	0.448	12.585	1.094	1.706	0.254	14.291	1.105	18.368	1.122
State and Local Government:														
Local	--	--	--	--	0.710	0.199	0.659	0.281	0.671	0.150	1.330	0.310	2.040	0.366
State	1.376	0.395	--	--	1.531	0.396	5.905	1.237	0.973	0.235	6.877	1.252	8.408	1.167
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1.720	0.426	0.525	0.140	2.246	0.441	6.629	1.267	1.652	0.273	8.281	1.283	10.527	1.210
Private:														
Corporate	28.671	1.151	1.853	0.227	30.524	1.164	--	--	--	--	--	--	30.524	1.164
Noncorporate Private:														
Total, Noncorporate Private	28.739	1.385	12.303	0.532	41.041	1.429	--	--	--	--	--	--	41.041	1.429
All Private	57.410	1.462	14.155	0.566	71.565	1.457	--	--	--	--	--	--	71.565	1.457
All Owners	141.578	2.247	22.777	0.769	164.355	2.211	46.832	2.078	7.572	0.548	54.405	2.083	218.760	2.696

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.4: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	80.751	1.692	6.202	0.456	86.954	1.648	27.806	1.248	4.204	0.409	32.010	1.228	118.964	1.833
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	80.751	1.692	6.202	0.456	86.954	1.648	27.806	1.248	4.204	0.409	32.010	1.228	118.964	1.833
Other Federal Government:														
Bureau of Land Management	2.353	0.409	1.390	0.191	3.743	0.448	--	--	--	--	0.623	0.166	4.366	0.473
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	12.442	1.113	1.440	0.254	13.882	1.128	13.882	1.128
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.401	0.410	1.646	0.199	4.048	0.451	12.790	1.114	1.764	0.259	14.554	1.128	18.602	1.144
State and Local Government:														
Local	--	--	--	--	0.750	0.204	0.694	0.279	0.665	0.147	1.359	0.308	2.109	0.367
State	1.395	0.400	--	--	1.550	0.401	5.830	1.236	0.960	0.235	6.790	1.250	8.340	1.165
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1.752	0.433	0.553	0.142	2.305	0.448	6.595	1.264	1.633	0.272	8.228	1.280	10.533	1.208
Private:														
Corporate	29.487	1.179	2.038	0.245	31.525	1.194	--	--	--	--	--	--	31.525	1.194
Noncorporate Private:														
Total, Noncorporate Private	28.775	1.398	12.181	0.523	40.956	1.439	--	--	--	--	--	--	40.956	1.439
All Private	58.262	1.481	14.219	0.565	72.481	1.472	--	--	--	--	--	--	72.481	1.472
All Owners	143.166	2.270	22.621	0.763	165.788	2.231	47.191	2.094	7.602	0.555	54.792	2.098	220.580	2.721

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.5: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	81.596	1.693	5.979	0.445	87.575	1.647	28.369	1.260	4.154	0.408	32.523	1.236	120.098	1.842
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	81.596	1.693	5.979	0.445	87.575	1.647	28.369	1.260	4.154	0.408	32.523	1.236	120.098	1.842
Other Federal Government:														
Bureau of Land Management	2.501	0.485	1.391	0.192	3.892	0.517	--	--	--	--	0.715	0.186	4.607	0.543
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	12.603	1.116	1.431	0.257	14.035	1.132	14.035	1.132
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2.550	0.485	1.655	0.202	4.205	0.521	13.061	1.119	1.737	0.262	14.799	1.133	19.003	1.162
State and Local Government:														
Local	0.502	0.193	--	--	0.923	0.225	0.695	0.279	0.662	0.145	1.357	0.305	2.279	0.377
State	1.477	0.405	--	--	1.643	0.407	5.854	1.226	0.964	0.234	6.818	1.240	8.461	1.155
Other Public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1.979	0.447	0.591	0.144	2.570	0.463	6.620	1.255	1.635	0.270	8.255	1.270	10.825	1.201
Private:														
Corporate	29.888	1.177	2.202	0.253	32.090	1.193	--	--	--	--	--	--	32.090	1.193
Noncorporate Private:														
Total, Noncorporate Private	28.345	1.378	12.183	0.524	40.529	1.420	--	--	--	--	--	--	40.529	1.420
All Private	58.233	1.457	14.385	0.567	72.619	1.447	--	--	--	--	--	--	72.619	1.447
All Owners	144.358	2.275	22.610	0.759	166.968	2.233	48.051	2.099	7.526	0.555	55.576	2.099	222.544	2.725

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.6: Belowground Carbon, Dry Weight of Live and Dead Trees (≥ 1 inch) by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	81.911	1.954	5.853	0.474	87.764	1.918	28.636	1.433	3.975	0.435	32.612	1.427	120.376	2.192
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	81.911	1.954	5.853	0.474	87.764	1.918	28.636	1.433	3.975	0.435	32.612	1.427	120.376	2.192
Other Federal Government:														
Bureau of Land Management	2.478	0.519	1.368	0.199	3.847	0.551	0.583	0.240	0.294	0.074	0.878	0.251	4.723	0.600
Department of Defense and Energy	0.048	0.038	0.168	0.060	0.216	0.072	--	--	0.024	0.025	0.024	0.025	0.240	0.076
National Park Service	--	--	--	--	--	--	12.734	1.219	1.427	0.270	14.160	1.237	14.160	1.237
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.007	0.007	0.003	0.003	0.010	0.008	0.010	0.008
Other Federal	--	--	0.105	0.039	0.105	0.039	--	--	0.015	0.010	0.015	0.010	0.121	0.041
Total	2.526	0.520	1.641	0.212	4.167	0.556	13.324	1.231	1.763	0.278	15.088	1.247	19.255	1.287
State and Local Government:														
Local	0.489	0.196	0.428	0.117	0.916	0.229	0.730	0.299	0.639	0.146	1.368	0.325	2.283	0.397
State	1.590	0.431	0.130	0.087	1.719	0.432	5.945	1.268	0.966	0.253	6.910	1.286	8.630	1.208
Other Public	--	--	0.005	0.004	0.005	0.004	0.070	0.078	0.009	0.010	0.078	0.078	0.083	0.078
Total	2.078	0.470	0.562	0.145	2.640	0.487	6.743	1.301	1.613	0.287	8.357	1.320	10.997	1.257
Private:														
Corporate	31.432	1.344	2.403	0.276	33.836	1.363	--	--	--	--	--	--	33.836	1.363
Noncorporate Private:														
Total, Noncorporate Private	27.939	1.418	11.738	0.543	39.678	1.467	--	--	--	--	--	--	39.678	1.467
All Private	59.372	1.619	14.141	0.592	73.514	1.615	--	--	--	--	--	--	73.514	1.615
All Owners	145.888	2.594	22.197	0.801	168.085	2.564	48.703	2.321	7.352	0.593	56.055	2.336	224.140	3.152

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C44.7: Aboveground and Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Owner Group and Forest Land Status, All California (10 year averages): 2007-2016

**information combined from Table C36 and Table C45 and converted from thousand metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	82.24	1.97	5.51	0.47	87.75	1.93	28.76	1.44	4.11	0.42	32.87	1.43	120.62	2.22
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	82.24	1.97	5.51	0.47	87.75	1.93	28.76	1.44	4.11	0.42	32.87	1.43	120.62	2.22
Other federal government:														
Bureau of Land Management	2.27	0.47	1.33	0.20	3.60	0.51	0.80	0.27	0.29	0.07	1.09	0.29	4.68	0.58
Department of Defense and Energy	--	--	0.17	0.06	0.22	0.07	--	--	--	--	--	--	0.25	0.08
National Park Service	--	--	--	--	--	--	12.76	1.21	1.51	0.28	14.26	1.23	14.26	1.23
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.01	0.01	--	--	0.01	0.01	0.01	0.01
Other federal	--	--	0.10	0.04	0.10	0.04	--	--	--	--	--	--	0.11	0.04
Total	2.32	0.48	1.60	0.21	3.92	0.52	13.56	1.23	1.84	0.29	15.40	1.24	19.32	1.28
State and local government:														
Local	0.65	0.24	0.45	0.12	1.09	0.27	0.74	0.31	0.64	0.15	1.39	0.33	2.48	0.43
State	1.52	0.41	0.15	0.09	1.67	0.42	5.91	1.27	0.97	0.25	6.88	1.28	8.55	1.20
Other public	--	--	--	--	--	--	0.07	0.08	0.01	0.01	0.08	0.08	0.08	0.08
Total	2.17	0.48	0.60	0.15	2.77	0.49	6.72	1.30	1.62	0.29	8.34	1.32	11.11	1.26
Private:														
Corporate	32.62	1.37	2.57	0.28	35.19	1.39	--	--	--	--	--	--	35.19	1.39
Noncorporate private:														
Total, noncorporate private	27.20	1.42	11.65	0.54	38.85	1.47	--	--	--	--	--	--	38.85	1.47
All private	59.82	1.64	14.22	0.59	74.04	1.63	--	--	--	--	--	--	74.04	1.63
All owners	146.55	2.62	21.93	0.80	168.48	2.59	49.04	2.33	7.57	0.59	56.61	2.35	225.09	3.18

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C45: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: All California

**information combined with information from Table C36 in Table C44.1 in million metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	9,100	411	538	65	9,638	413	4,208	300	554	76	4,762	303	14,401	503
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	9,100	411	538	65	9,638	413	4,208	300	554	76	4,762	303	14,401	503
Other federal government:														
Bureau of Land Management	102	28	84	18	186	33	99	46	21	7	120	47	306	56
Department of Defense and Energy	--	--	5	3	5	3	--	--	--	--	--	--	5	3
National Park Service	--	--	--	--	--	--	1,784	201	160	36	1,943	203	1,943	203
U.S. Fish and Wildlife Service	--	--	--	--	--	--	2	2	--	--	2	2	2	2
Other federal	--	--	15	11	15	11	--	--	--	--	--	--	15	11
Total	102	28	104	21	206	35	1,885	204	181	37	2,066	206	2,272	205
State and local government:														
Local	37	15	16	8	53	17	54	29	35	17	89	33	142	37
State	79	31	8	5	87	31	293	66	62	23	356	69	443	69
Other public	--	--	--	--	--	--	1	1	1	1	1	1	1	1
Total	116	34	25	9	141	35	348	72	98	28	445	76	586	77
Private:														
Corporate	2,226	184	112	22	2,337	185	--	--	--	--	--	--	2,337	185
Noncorporate private:														
Total, noncorporate private	1,170	100	546	49	1,715	110	--	--	--	--	--	--	1,715	110
All private	3,395	201	658	54	4,053	207	--	--	--	--	--	--	4,053	207
All owners	12,713	458	1,325	88	14,038	462	6,441	369	833	89	7,274	374	21,312	581

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C46: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	1	1	17	8	19	8	3	2	122	55	124	55	143	55
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	1	17	8	19	8	3	2	122	55	124	55	143	55
Other federal government:														
Bureau of Land Management	--	--	3	2	3	2	--	--	--	--	--	--	3	2
Department of Defense and Energy	--	--	4	3	4	3	--	--	--	--	--	--	4	3
National Park Service	--	--	--	--	--	--	--	--	7	8	7	8	7	8
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	7	3	7	3	--	--	7	8	7	8	14	9
State and local government:														
Local	--	--	9	7	9	7	54	29	24	15	78	33	87	33
State	3	2	--	--	3	2	10	6	16	10	26	12	29	12
Other public	--	--	--	--	--	--	1	1	1	1	1	1	1	1
Total	3	2	9	7	12	7	64	29	41	18	105	34	117	35
Private:														
Corporate	10	5	25	10	35	11	--	--	--	--	--	--	35	11
Noncorporate private:														
Total, noncorporate private	123	33	119	26	242	42	--	--	--	--	--	--	242	42
All private	133	33	144	28	277	43	--	--	--	--	--	--	277	43
All owners	138	33	177	30	315	45	67	29	170	58	237	65	551	79

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C47: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	2	2	2	2	--	--	--	--	--	--	2	2
State	--	--	--	--	--	--	--	--	3	3	3	3	3	3
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	2	2	2	2	--	--	3	3	3	3	5	4
Private:														
Corporate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Noncorporate private:														
Total, noncorporate private	--	--	6	5	6	5	--	--	--	--	--	--	6	5
All private	--	--	6	5	6	5	--	--	--	--	--	--	6	5
All owners	--	--	8	5	8	5	--	--	3	3	3	3	11	6

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C48: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	241	49	87	32	328	58	66	38	28	11	94	40	422	70
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	241	49	87	32	328	58	66	38	28	11	94	40	422	70
Other federal government:														
Bureau of Land Management	3	1	19	6	22	6	--	--	3	2	3	2	25	6
Department of Defense and Energy	--	--	2	1	2	1	--	--	--	--	--	--	2	1
National Park Service	--	--	--	--	--	--	--	--	3	2	3	2	3	2
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	3	1	21	6	23	6	--	--	6	3	6	3	30	7
State and local government:														
Local	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State	--	--	--	--	--	--	8	9	--	--	8	9	8	9
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	8	9	--	--	8	9	8	9
Private:														
Corporate	47	21	--	--	47	21	--	--	--	--	--	--	47	21
Noncorporate private:														
Total, noncorporate private	12	4	3	2	15	5	--	--	--	--	--	--	15	5
All private	60	21	3	2	62	22	--	--	--	--	--	--	62	22
All owners	303	53	110	33	414	62	74	39	34	11	109	41	522	74

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C49: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	3,453	315	111	25	3,564	315	2,519	270	97	27	2,616	271	6,180	414
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	3,453	315	111	25	3,564	315	2,519	270	97	27	2,616	271	6,180	414
Other federal government:														
Bureau of Land Management	79	26	27	14	107	30	4	4	--	--	4	4	111	30
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	70	27	9	5	79	28	79	28
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	79	26	27	14	107	30	74	28	9	5	84	28	190	40
State and local government:														
Local	1	1	--	--	1	1	--	--	4	4	4	4	5	4
State	7	7	3	3	10	7	1	1	6	5	7	5	17	9
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	8	7	3	3	11	7	1	1	9	6	11	6	22	10
Private:														
Corporate	424	78	35	12	459	79	--	--	--	--	--	--	459	79
Noncorporate private:														
Total, noncorporate private	314	58	103	17	417	60	--	--	--	--	--	--	417	60
All private	738	97	137	20	876	99	--	--	--	--	--	--	876	99
All owners	4,278	330	279	35	4,557	331	2,595	272	116	28	2,711	273	7,268	427

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C50: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	37	22	2	2	39	22	24	21	--	--	24	21	63	31
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	37	22	2	2	39	22	24	21	--	--	24	21	63	31
Other federal government:														
Bureau of Land Management	7	6	--	--	7	6	88	45	--	--	88	45	96	46
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	192	115	--	--	192	115	192	115
U.S. Fish and Wildlife Service	--	--	--	--	--	--	2	2	--	--	2	2	2	2
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	7	6	--	--	7	6	283	123	--	--	283	123	290	124
State and local government:														
Local	12	10	1	1	13	10	--	--	2	1	2	1	15	10
State	45	23	--	--	45	23	226	66	5	4	231	66	277	65
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	57	25	1	1	58	25	226	66	7	4	233	66	291	66
Private:														
Corporate	1,131	157	9	5	1,139	157	--	--	--	--	--	--	1,139	157
Noncorporate private:														
Total, noncorporate private	422	61	17	6	439	61	--	--	--	--	--	--	439	61
All private	1,553	166	26	8	1,579	166	--	--	--	--	--	--	1,579	166
All owners	1,655	169	28	8	1,683	169	534	141	7	4	540	141	2,223	219

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C51: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	5,250	304	237	48	5,487	306	1,407	153	240	40	1,647	156	7,133	340
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	5,250	304	237	48	5,487	306	1,407	153	240	40	1,647	156	7,133	340
Other federal government:														
Bureau of Land Management	13	7	32	9	45	11	6	6	17	7	23	9	67	15
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	1,522	171	133	35	1,655	174	1,655	174
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	3	2	3	2	--	--	--	--	--	--	3	2
Total	13	7	35	10	48	12	1,528	171	150	35	1,678	174	1,725	174
State and local government:														
Local	24	12	4	2	28	12	--	--	--	--	--	--	28	12
State	24	22	5	4	29	22	41	17	10	6	51	18	80	28
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	48	24	9	4	57	25	41	17	10	6	51	18	108	30
Private:														
Corporate	614	69	43	15	656	71	--	--	--	--	--	--	656	71
Noncorporate private:														
Total, noncorporate private	280	46	235	28	516	54	--	--	--	--	--	--	516	54
All private	894	82	278	32	1,172	88	--	--	--	--	--	--	1,172	88
All owners	6,205	316	558	58	6,763	319	2,975	230	400	54	3,375	234	10,138	389

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C52: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	118	50	85	20	202	54	189	75	67	24	256	78	459	95
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	118	50	85	20	202	54	189	75	67	24	256	78	459	95
Other federal government:														
Bureau of Land Management	--	--	2	1	2	1	--	--	1	1	1	1	3	1
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	7	3	7	3	7	3
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	12	11	12	11	--	--	--	--	--	--	12	11
Total	--	--	14	11	14	11	--	--	8	4	8	4	23	11
State and local government:														
Local	--	--	1	1	1	1	--	--	5	5	5	5	7	5
State	--	--	--	--	--	--	6	5	22	19	28	19	28	19
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	1	1	1	1	6	5	28	19	34	20	35	20
Private:														
Corporate	--	--	1	1	1	1	--	--	--	--	--	--	1	1
Noncorporate private:														
Total, noncorporate private	17	10	64	26	81	28	--	--	--	--	--	--	81	28
All private	17	10	64	26	81	28	--	--	--	--	--	--	81	28
All owners	134	51	164	35	299	62	195	75	103	31	299	81	597	102

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C53: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: All California

**information duplicated in Table C61.7 and converted to million metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	159,335.60	2,263.92	32,632.24	1,434.23	191,967.84	2,226.21	48,672.64	1,600.54	18,146.75	1,135.53	66,819.38	1,602.28	258,787.22	2,296.69
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	159,335.60	2,263.92	32,632.24	1,434.23	191,967.84	2,226.21	48,672.64	1,600.54	18,146.75	1,135.53	66,819.38	1,602.28	258,787.22	2,296.69
Other federal government:														
Bureau of Land Management	4,529.40	682.63	13,144.12	1,037.39	17,673.52	1,229.63	1,114.29	328.95	2,491.42	427.08	3,605.71	538.92	21,279.23	1,303.68
Department of Defense and Energy	157.65	104.63	842.43	228.16	1,000.08	251.00	--	--	61.19	61.01	61.19	61.01	1,061.27	258.31
National Park Service	--	--	--	--	--	--	18,438.12	1,175.54	6,809.45	787.46	25,247.56	1,357.40	25,247.56	1,357.40
U.S. Fish and Wildlife Service	--	--	--	--	--	--	51.30	52.49	6.34	6.38	57.64	52.87	57.64	52.87
Other federal	--	--	1,016.90	246.03	1,016.90	246.03	--	--	152.88	91.45	152.88	91.45	1,169.78	262.48
Total	4,687.05	688.15	15,003.45	1,075.62	19,690.50	1,263.14	19,603.71	1,187.87	9,521.28	873.33	29,124.98	1,392.25	48,815.48	1,657.25
State and local government:														
Local	980.10	318.44	1,525.66	298.43	2,505.76	440.68	566.17	220.00	1,936.18	356.43	2,502.35	403.12	5,008.11	593.72
State	1,678.12	402.05	630.92	226.90	2,309.04	457.53	4,554.39	547.27	3,243.10	459.60	7,797.49	682.70	10,106.53	678.96
Other public	--	--	91.71	75.77	91.71	75.77	154.01	171.50	64.59	69.90	218.60	185.20	310.31	200.10
Total	2,658.22	510.94	2,248.29	381.99	4,906.52	637.62	5,274.57	598.13	5,243.87	560.44	10,518.43	770.46	15,424.95	861.73
Private:														
Corporate	77,235.93	2,297.17	9,947.69	830.59	87,183.62	2,398.35	--	--	--	--	--	--	87,183.62	2,398.35
Noncorporate private:														
Total, noncorporate private	44,030.25	1,854.91	51,626.07	1,632.50	95,656.31	2,339.96	--	--	--	--	--	--	95,656.31	2,339.96
All private	121,266.17	2,209.97	61,573.76	1,741.07	182,839.93	2,447.02	--	--	--	--	--	--	182,839.93	2,447.02
All owners	287,947.05	3,138.59	111,457.74	2,498.00	399,404.79	3,396.28	73,550.91	2,077.02	32,911.89	1,536.57	106,462.80	2,247.63	505,867.59	3,422.65

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C54: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	17.33	15.88	906.22	230.82	923.55	231.31	494.14	233.82	1,468.84	310.68	1,962.98	387.37	2,886.53	451.17
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	17.33	15.88	906.22	230.82	923.55	231.31	494.14	233.82	1,468.84	310.68	1,962.98	387.37	2,886.53	451.17
Other federal government:														
Bureau of Land Management	--	--	721.57	225.57	721.57	225.57	--	--	113.10	82.65	113.10	82.65	834.68	240.21
Department of Defense and Energy	--	--	546.41	178.30	546.41	178.30	--	--	--	--	--	--	546.41	178.30
National Park Service	--	--	--	--	--	--	--	--	64.58	71.92	64.58	71.92	64.58	71.92
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	120.78	92.67	120.78	92.67	--	--	1.85	2.05	1.85	2.05	122.62	92.69
Total	--	--	1,388.76	299.43	1,388.76	299.43	--	--	179.53	109.57	179.53	109.57	1,568.29	318.82
State and local government:														
Local	--	--	323.91	133.85	323.91	133.85	566.17	220.00	1,244.78	271.45	1,810.95	330.39	2,134.86	353.35
State	236.30	146.18	137.12	109.30	373.41	188.48	559.64	238.98	1,342.98	278.04	1,902.62	364.25	2,276.03	408.83
Other public	--	--	--	--	--	--	154.01	171.50	64.59	69.90	218.60	185.20	218.60	185.20
Total	236.30	146.18	461.03	172.80	697.33	231.17	1,279.81	366.63	2,652.35	373.60	3,932.16	497.08	4,629.49	537.31
Private:														
Corporate	562.96	230.85	1,636.95	311.38	2,199.91	387.04	--	--	--	--	--	--	2,199.91	387.04
Noncorporate private:														
Total, noncorporate private	2,739.73	560.59	8,582.91	699.57	11,322.64	890.13	--	--	--	--	--	--	11,322.64	890.13
All private	3,302.69	604.25	10,219.86	758.35	13,522.55	964.75	--	--	--	--	--	--	13,522.55	964.75
All owners	3,556.31	621.61	12,975.87	864.54	16,532.18	1,060.86	1,773.95	434.84	4,300.72	495.90	6,074.67	636.32	22,606.86	1,229.06

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C55: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	6.34	6.38	6.34	6.38	6.34	6.38
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	6.34	6.38	6.34	6.38	6.34	6.38
State and local government:														
Local	--	--	49.16	34.32	49.16	34.32	--	--	--	--	--	--	49.16	34.32
State	--	--	--	--	--	--	--	--	115.06	106.11	115.06	106.11	115.06	106.11
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	49.16	34.32	49.16	34.32	--	--	115.06	106.11	115.06	106.11	164.23	111.52
Private:														
Corporate	--	--	76.24	69.15	76.24	69.15	--	--	--	--	--	--	76.24	69.15
Noncorporate private:														
Total, noncorporate private	0.67	0.69	882.40	246.80	883.08	246.80	--	--	--	--	--	--	883.08	246.80
All private	0.67	0.69	958.65	256.19	959.32	256.19	--	--	--	--	--	--	959.32	256.19
All owners	0.67	0.69	1,007.81	258.43	1,008.48	258.43	--	--	121.40	106.30	121.40	106.30	1,129.89	279.44

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C56: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	12,316.93	1,089.78	12,764.24	1,049.59	25,081.16	1,493.15	940.71	323.53	1,667.75	428.63	2,608.47	532.44	27,689.63	1,582.71
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	12,316.93	1,089.78	12,764.24	1,049.59	25,081.16	1,493.15	940.71	323.53	1,667.75	428.63	2,608.47	532.44	27,689.63	1,582.71
Other federal government:														
Bureau of Land Management	599.47	261.03	7,544.44	865.99	8,143.91	901.61	--	--	595.95	203.74	595.95	203.74	8,739.86	916.36
Department of Defense and Energy	--	--	296.02	143.05	296.02	143.05	--	--	--	--	--	--	296.02	143.05
National Park Service	--	--	--	--	--	--	--	--	706.13	214.57	706.13	214.57	706.13	214.57
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	599.47	261.03	7,840.46	874.23	8,439.93	909.52	--	--	1,302.07	294.83	1,302.07	294.83	9,742.00	941.04
State and local government:														
Local	--	--	64.59	65.16	64.59	65.16	--	--	--	--	--	--	64.59	65.16
State	--	--	--	--	--	--	109.35	121.77	176.69	153.65	286.04	196.05	286.04	196.05
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	64.59	65.16	64.59	65.16	109.35	121.77	176.69	153.65	286.04	196.05	350.64	206.60
Private:														
Corporate	3,588.95	620.93	1,412.42	411.38	5,001.37	748.74	--	--	--	--	--	--	5,001.37	748.74
Noncorporate private:														
Total, noncorporate private	1,679.39	416.57	3,041.43	602.34	4,720.82	739.43	--	--	--	--	--	--	4,720.82	739.43
All private	5,268.33	740.01	4,453.85	725.94	9,722.18	1,043.59	--	--	--	--	--	--	9,722.18	1,043.59
All owners	18,184.73	1,348.51	25,123.14	1,549.36	43,307.87	2,040.69	1,050.06	345.68	3,146.52	542.46	4,196.58	639.41	47,504.45	2,129.36

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C57: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	44,412.33	1,881.86	4,394.23	569.92	48,806.56	1,931.14	23,021.30	1,277.09	3,745.24	576.67	26,766.54	1,361.25	75,573.10	2,290.15
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	44,412.33	1,881.86	4,394.23	569.92	48,806.56	1,931.14	23,021.30	1,277.09	3,745.24	576.67	26,766.54	1,361.25	75,573.10	2,290.15
Other federal government:														
Bureau of Land Management	2,296.02	506.00	1,259.91	291.70	3,555.93	593.05	118.68	117.62	310.10	168.77	428.78	205.72	3,984.71	626.96
Department of Defense and Energy	--	--	--	--	--	--	--	--	61.19	61.01	61.19	61.01	61.19	61.01
National Park Service	--	--	--	--	--	--	1,416.47	471.62	403.58	156.93	1,820.05	497.96	1,820.05	497.96
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	81.49	60.20	81.49	60.20	--	--	13.19	14.61	13.19	14.61	94.68	61.94
Total	2,296.02	506.00	1,341.40	297.84	3,637.42	596.09	1,535.15	484.39	788.06	238.84	2,323.21	540.92	5,960.63	794.16
State and local government:														
Local	157.55	132.34	125.06	86.32	282.62	158.00	--	--	69.53	66.87	69.53	66.87	352.14	171.56
State	134.69	80.73	125.26	86.29	259.95	118.17	159.68	117.35	212.34	119.61	372.02	179.78	631.97	215.14
Other public	--	--	8.60	7.80	8.60	7.80	--	--	--	--	--	--	8.60	7.80
Total	292.24	155.02	258.92	122.23	551.17	197.41	159.68	117.35	281.86	137.03	441.55	191.82	992.71	274.95
Private:														
Corporate	15,401.00	1,239.19	2,661.39	416.48	18,062.39	1,305.11	--	--	--	--	--	--	18,062.39	1,305.11
Noncorporate private:														
Total, noncorporate private	11,100.20	1,016.78	11,464.19	834.88	22,564.40	1,306.28	--	--	--	--	--	--	22,564.40	1,306.28
All private	26,501.20	1,544.91	14,125.58	923.22	40,626.78	1,779.48	--	--	--	--	--	--	40,626.78	1,779.48
All owners	73,501.79	2,493.30	20,120.14	1,131.29	93,621.93	2,697.22	24,716.13	1,374.35	4,815.16	639.00	29,531.29	1,480.48	123,153.22	3,011.61

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C58: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	481.33	258.32	74.05	71.09	555.38	267.92	191.67	141.69	--	--	191.67	141.69	747.04	302.95
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	481.33	258.32	74.05	71.09	555.38	267.92	191.67	141.69	--	--	191.67	141.69	747.04	302.95
Other federal government:														
Bureau of Land Management	446.76	200.38	--	--	446.76	200.38	820.81	269.55	--	--	820.81	269.55	1,267.58	338.44
Department of Defense and Energy	134.32	101.87	--	--	134.32	101.87	--	--	--	--	--	--	134.32	101.87
National Park Service	--	--	--	--	--	--	837.69	338.05	74.94	72.08	912.62	341.46	912.62	341.46
U.S. Fish and Wildlife Service	--	--	--	--	--	--	51.30	52.49	--	--	51.30	52.49	51.30	52.49
Other federal	--	--	26.40	28.71	26.40	28.71	--	--	--	--	--	--	26.40	28.71
Total	581.08	224.79	26.40	28.71	607.47	226.62	1,709.80	427.33	74.94	72.08	1,784.74	427.10	2,392.22	480.69
State and local government:														
Local	279.30	169.89	73.78	52.54	353.08	186.88	--	--	498.11	208.46	498.11	208.46	851.19	279.97
State	896.65	309.42	19.78	17.94	916.43	309.94	2,277.09	419.21	160.79	125.60	2,437.88	435.11	3,354.31	457.16
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,175.95	352.99	93.56	55.52	1,269.51	361.92	2,277.09	419.21	658.89	243.38	2,935.98	482.42	4,205.49	534.49
Private:														
Corporate	21,316.53	1,541.77	457.08	161.39	21,773.60	1,550.42	--	--	--	--	--	--	21,773.60	1,550.42
Noncorporate private:														
Total, noncorporate private	11,738.10	1,017.44	1,965.94	356.56	13,704.04	1,073.82	--	--	--	--	--	--	13,704.04	1,073.82
All private	33,054.63	1,752.17	2,423.02	390.14	35,477.65	1,784.99	--	--	--	--	--	--	35,477.65	1,784.99
All owners	35,292.99	1,812.46	2,617.02	401.38	37,910.00	1,847.35	4,178.56	615.01	733.83	253.83	4,912.39	659.55	42,822.40	1,930.74

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C59: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	99,787.20	2,518.64	10,590.25	902.04	110,377.45	2,567.49	22,181.07	1,427.17	9,478.05	881.87	31,659.12	1,546.21	142,036.57	2,893.33
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	99,787.20	2,518.64	10,590.25	902.04	110,377.45	2,567.49	22,181.07	1,427.17	9,478.05	881.87	31,659.12	1,546.21	142,036.57	2,893.33
Other federal government:														
Bureau of Land Management	1,187.15	333.86	3,200.39	505.47	4,387.54	605.56	174.79	147.34	1,078.14	285.84	1,252.93	321.58	5,640.47	674.59
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	16,183.96	1,102.97	4,602.18	702.13	20,786.14	1,265.04	20,786.14	1,265.04
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	206.37	110.08	206.37	110.08	--	--	22.54	22.47	22.54	22.47	228.91	112.35
Total	1,187.15	333.86	3,406.76	516.11	4,593.91	614.30	16,358.75	1,109.99	5,702.86	748.46	22,061.61	1,288.80	26,655.52	1,365.21
State and local government:														
Local	543.25	234.58	687.67	213.41	1,230.92	318.53	--	--	58.90	51.22	58.90	51.22	1,289.82	322.22
State	410.49	227.32	348.77	179.15	759.25	287.36	1,277.85	374.79	701.92	218.31	1,979.77	430.50	2,739.02	505.17
Other public	--	--	83.11	75.38	83.11	75.38	--	--	--	--	--	--	83.11	75.38
Total	953.74	326.65	1,119.55	288.33	2,073.29	434.95	1,277.85	374.79	760.82	224.24	2,038.67	433.53	4,111.95	603.16
Private:														
Corporate	36,282.03	1,856.44	3,252.15	455.87	39,534.18	1,901.57	--	--	--	--	--	--	39,534.18	1,901.57
Noncorporate private:														
Total, noncorporate private	16,457.19	1,253.36	23,278.57	1,178.41	39,735.76	1,690.43	--	--	--	--	--	--	39,735.76	1,690.43
All private	52,739.22	2,078.84	26,530.72	1,235.54	79,269.94	2,326.33	--	--	--	--	--	--	79,269.94	2,326.33
All owners	154,667.31	3,260.79	41,647.27	1,634.17	196,314.58	3,492.52	39,817.67	1,843.17	15,941.73	1,177.46	55,759.40	2,052.14	252,073.98	3,861.36

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C60: Soil Organic Carbon by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	2,320.48	482.66	3,903.25	486.12	6,223.73	686.89	1,843.75	443.30	1,786.87	358.24	3,630.62	563.03	9,854.35	884.58
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,320.48	482.66	3,903.25	486.12	6,223.73	686.89	1,843.75	443.30	1,786.87	358.24	3,630.62	563.03	9,854.35	884.58
Other federal government:														
Bureau of Land Management	--	--	417.80	165.47	417.80	165.47	--	--	394.13	171.93	394.13	171.93	811.93	238.28
Department of Defense and Energy	23.34	23.85	--	--	23.34	23.85	--	--	--	--	--	--	23.34	23.85
National Park Service	--	--	--	--	--	--	--	--	958.05	251.42	958.05	251.42	958.05	251.42
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	581.88	188.25	581.88	188.25	--	--	115.30	87.42	115.30	87.42	697.18	207.56
Total	23.34	23.85	999.68	250.59	1,023.01	251.71	--	--	1,467.48	316.25	1,467.48	316.25	2,490.49	401.91
State and local government:														
Local	--	--	201.48	101.47	201.48	101.47	--	--	64.86	63.75	64.86	63.75	266.34	118.81
State	--	--	--	--	--	--	170.79	136.20	533.31	195.94	704.10	236.61	704.10	236.61
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	201.48	101.47	201.48	101.47	170.79	136.20	598.18	206.06	768.97	245.05	970.44	264.50
Private:														
Corporate	84.47	83.03	451.47	177.37	535.93	195.84	--	--	--	--	--	--	535.93	195.84
Noncorporate private:														
Total, noncorporate private	314.96	168.25	2,410.61	378.94	2,725.58	417.77	--	--	--	--	--	--	2,725.58	417.77
All private	399.43	187.62	2,862.08	418.15	3,261.51	461.17	--	--	--	--	--	--	3,261.51	461.17
All owners	2,743.25	518.39	7,966.49	693.42	10,709.73	868.52	2,014.54	463.75	3,852.52	520.39	5,867.06	690.69	16,576.79	1,104.96

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.1: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	155.90	2.47	41.26	1.58	197.15	2.52	45.37	1.96	17.32	1.16	62.70	2.18	259.85	1.92
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	155.90	2.47	41.26	1.58	197.15	2.52	45.37	1.96	17.32	1.16	62.70	2.18	259.85	1.92
Other Federal Government:														
Bureau of Land Management	4.57	0.67	14.57	1.01	19.13	1.17	0.35	0.18	3.14	0.41	3.50	0.45	22.63	1.23
Department of Defense and Energy	0.07	0.07	0.77	0.21	0.83	0.23	--	--	--	--	--	--	0.83	0.23
National Park Service	--	--	--	--	--	--	17.20	1.12	6.89	0.74	24.10	1.16	24.10	1.16
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.08	0.09	0.06	0.06	0.14	0.11	0.14	0.11
Other Federal	--	--	1.08	0.28	1.08	0.28	0.23	0.17	0.22	0.12	0.45	0.21	1.53	0.34
Total	4.63	0.67	16.42	1.06	21.05	1.21	17.87	1.14	10.31	0.84	28.18	1.22	49.23	1.61
State and Local Government:														
Local	0.51	0.19	1.21	0.27	1.73	0.33	0.42	0.18	2.20	0.38	2.62	0.42	4.35	0.53
State	1.62	0.42	0.54	0.20	2.15	0.47	5.24	0.71	3.41	0.48	8.65	0.85	10.80	0.93
Other Public	--	--	0.09	0.07	0.09	0.07	0.21	0.19	0.13	0.10	0.34	0.21	0.43	0.23
Total	2.13	0.46	1.84	0.34	3.97	0.58	5.87	0.76	5.75	0.61	11.61	0.96	15.58	1.08
Private:														
Corporate	72.01	2.25	6.07	0.64	78.08	2.31	--	--	--	--	--	--	78.08	2.31
Noncorporate Private:														
Total, Noncorporate Private	51.45	1.99	59.20	1.69	110.64	2.44	--	--	--	--	--	--	110.64	2.44
All Private	123.46	2.22	65.26	1.73	188.72	2.41	--	--	--	--	--	--	188.72	2.41
All Owners	286.12	3.36	124.77	2.56	410.89	3.61	69.11	2.37	33.38	1.55	102.49	2.64	513.38	3.31

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.2: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	157.12	2.53	39.36	1.57	196.47	2.60	45.65	1.97	17.12	1.15	62.77	2.18	259.24	2.04
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	157.12	2.53	39.36	1.57	196.47	2.60	45.65	1.97	17.12	1.15	62.77	2.18	259.24	2.04
Other Federal Government:														
Bureau of Land Management	4.53	0.66	14.32	1.00	18.85	1.16	0.35	0.18	3.16	0.43	3.51	0.47	22.36	1.23
Department of Defense and Energy	0.09	0.08	0.90	0.23	1.00	0.24	--	--	--	--	--	--	1.00	0.24
National Park Service	--	--	--	--	--	--	17.42	1.13	6.98	0.75	24.40	1.16	24.40	1.16
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.08	0.09	0.06	0.06	0.14	0.11	0.14	0.11
Other Federal	--	--	1.08	0.28	1.08	0.28	0.23	0.17	0.22	0.12	0.45	0.21	1.53	0.34
Total	4.62	0.67	16.30	1.05	20.93	1.21	18.08	1.15	10.41	0.85	28.49	1.23	49.42	1.62
State and Local Government:														
Local	0.49	0.20	1.22	0.27	1.71	0.34	0.41	0.18	2.17	0.37	2.58	0.41	4.29	0.53
State	1.62	0.42	0.53	0.20	2.15	0.47	5.32	0.72	3.58	0.49	8.90	0.85	11.06	0.94
Other Public	--	--	0.09	0.08	0.09	0.08	0.22	0.19	0.06	0.06	0.27	0.20	0.36	0.22
Total	2.11	0.47	1.84	0.34	3.95	0.58	5.95	0.76	5.81	0.61	11.75	0.96	15.70	1.08
Private:														
Corporate	70.63	2.25	7.09	0.69	77.73	2.31	--	--	--	--	--	--	77.73	2.31
Noncorporate Private:														
Total, Noncorporate Private	50.85	1.99	57.48	1.67	108.33	2.43	--	--	--	--	--	--	108.33	2.43
All Private	121.48	2.27	64.57	1.73	186.05	2.46	--	--	--	--	--	--	186.05	2.46
All Owners	285.33	3.38	122.07	2.54	407.40	3.62	69.67	2.38	33.34	1.55	103.01	2.65	510.42	3.31

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.3: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	158.59	2.26	36.96	1.50	195.56	2.23	47.64	1.62	18.01	1.11	65.65	1.61	261.21	2.25
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	158.59	2.26	36.96	1.50	195.56	2.23	47.64	1.62	18.01	1.11	65.65	1.61	261.21	2.25
Other Federal Government:														
Bureau of Land Management	4.99	0.71	13.95	1.07	18.93	1.27	0.41	0.20	2.63	0.43	3.04	0.48	21.97	1.33
Department of Defense and Energy	0.15	0.10	0.80	0.22	0.95	0.24	--	--	0.06	0.06	0.06	0.06	1.01	0.25
National Park Service	--	--	--	--	--	--	18.08	1.16	6.70	0.77	24.78	1.34	24.78	1.34
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	1.25	0.30	1.25	0.30	0.12	0.13	0.25	0.13	0.37	0.19	1.62	0.35
Total	5.13	0.71	16.00	1.12	21.14	1.31	18.61	1.16	9.64	0.86	28.25	1.38	49.39	1.68
State and Local Government:														
Local	0.56	0.22	1.16	0.26	1.71	0.35	0.47	0.19	2.08	0.37	2.55	0.40	4.26	0.53
State	1.53	0.40	0.60	0.22	2.13	0.45	4.85	0.60	3.25	0.44	8.10	0.71	10.22	0.71
Other Public	--	--	0.09	0.08	0.09	0.08	0.15	0.17	0.07	0.07	0.21	0.18	0.30	0.20
Total	2.08	0.45	1.84	0.35	3.93	0.57	5.46	0.63	5.40	0.55	10.86	0.79	14.79	0.84
Private:														
Corporate	72.22	2.27	7.13	0.70	79.35	2.34	--	--	--	--	--	--	79.35	2.34
Noncorporate Private:														
Total, Noncorporate Private	51.24	1.98	56.20	1.68	107.44	2.44	--	--	--	--	--	--	107.44	2.44
All Private	123.46	2.21	63.33	1.75	186.79	2.45	--	--	--	--	--	--	186.79	2.45
All Owners	289.27	3.14	118.14	2.56	407.41	3.41	71.71	2.08	33.05	1.51	104.76	2.25	512.17	3.40

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.4: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	158.33	2.26	35.82	1.48	194.15	2.22	47.72	1.62	17.77	1.13	65.49	1.61	259.64	2.26
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	158.33	2.26	35.82	1.48	194.15	2.22	47.72	1.62	17.77	1.13	65.49	1.61	259.64	2.26
Other Federal Government:														
Bureau of Land Management	4.86	0.70	13.50	1.05	18.36	1.25	0.49	0.21	2.77	0.44	3.26	0.49	21.62	1.31
Department of Defense and Energy	0.15	0.10	0.81	0.22	0.96	0.25	--	--	0.06	0.06	0.06	0.06	1.02	0.25
National Park Service	--	--	--	--	--	--	18.15	1.18	6.66	0.77	24.81	1.35	24.81	1.35
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.05	0.05	0.01	0.01	0.06	0.05	0.06	0.05
Other Federal	--	--	1.20	0.29	1.20	0.29	--	--	0.15	0.09	0.15	0.09	1.35	0.30
Total	5.01	0.70	15.51	1.09	20.53	1.29	18.68	1.18	9.65	0.87	28.33	1.39	48.85	1.67
State and Local Government:														
Local	0.57	0.23	1.20	0.27	1.78	0.35	0.50	0.18	2.08	0.37	2.57	0.39	4.35	0.52
State	1.53	0.40	0.60	0.22	2.13	0.45	4.70	0.57	3.29	0.46	8.00	0.70	10.12	0.70
Other Public	--	--	0.10	0.08	0.10	0.08	0.16	0.18	0.07	0.07	0.22	0.19	0.32	0.20
Total	2.10	0.46	1.90	0.35	4.00	0.57	5.36	0.61	5.44	0.57	10.79	0.78	14.79	0.83
Private:														
Corporate	72.93	2.28	7.61	0.73	80.54	2.36	--	--	--	--	--	--	80.54	2.36
Noncorporate Private:														
Total, Noncorporate Private	49.92	1.96	54.53	1.66	104.46	2.42	--	--	--	--	--	--	104.46	2.42
All Private	122.86	2.21	62.14	1.74	185.00	2.44	--	--	--	--	--	--	185.00	2.44
All Owners	288.30	3.14	115.38	2.53	403.67	3.40	71.76	2.09	32.85	1.53	104.61	2.25	508.29	3.41

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.5: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	158.89	2.26	34.83	1.47	193.72	2.22	48.42	1.62	17.30	1.13	65.73	1.60	259.45	2.28
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	158.89	2.26	34.83	1.47	193.72	2.22	48.42	1.62	17.30	1.13	65.73	1.60	259.45	2.28
Other Federal Government:														
Bureau of Land Management	4.77	0.69	13.42	1.04	18.19	1.24	0.67	0.25	2.55	0.43	3.23	0.50	21.42	1.30
Department of Defense and Energy	0.15	0.10	0.79	0.22	0.93	0.24	--	--	0.06	0.06	0.06	0.06	0.99	0.25
National Park Service	--	--	--	--	--	--	18.36	1.18	6.59	0.77	24.95	1.35	24.95	1.35
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.05	0.05	0.01	0.01	0.06	0.05	0.06	0.05
Other Federal	--	--	1.20	0.29	1.20	0.29	--	--	0.15	0.09	0.15	0.09	1.35	0.30
Total	4.92	0.70	15.40	1.09	20.32	1.28	19.08	1.19	9.36	0.86	28.44	1.39	48.76	1.66
State and Local Government:														
Local	0.85	0.29	1.27	0.27	2.12	0.40	0.50	0.18	2.02	0.36	2.51	0.39	4.63	0.55
State	1.61	0.40	0.61	0.22	2.23	0.46	4.70	0.57	3.27	0.46	7.97	0.70	10.20	0.70
Other Public	--	--	0.09	0.08	0.09	0.08	0.16	0.18	0.07	0.07	0.22	0.19	0.32	0.20
Total	2.46	0.50	1.97	0.36	4.44	0.61	5.35	0.60	5.36	0.57	10.71	0.78	15.14	0.85
Private:														
Corporate	73.57	2.28	8.35	0.76	81.92	2.37	--	--	--	--	--	--	81.92	2.37
Noncorporate Private:														
Total, Noncorporate Private	48.21	1.92	53.56	1.65	101.77	2.39	--	--	--	--	--	--	101.77	2.39
All Private	121.78	2.21	61.91	1.74	183.69	2.43	--	--	--	--	--	--	183.69	2.43
All Owners	288.06	3.14	114.11	2.52	402.17	3.40	72.85	2.09	32.02	1.53	104.87	2.25	507.04	3.42

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.6: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	159.17	2.26	33.41	1.45	192.57	2.22	48.81	1.61	17.43	1.13	66.25	1.61	258.82	2.29
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	159.17	2.26	33.41	1.45	192.57	2.22	48.81	1.61	17.43	1.13	66.25	1.61	258.82	2.29
Other Federal Government:														
Bureau of Land Management	4.77	0.69	13.25	1.04	18.02	1.24	0.74	0.26	2.50	0.43	3.24	0.50	21.26	1.30
Department of Defense and Energy	0.15	0.10	0.79	0.22	0.94	0.24	--	--	0.06	0.06	0.06	0.06	0.99	0.25
National Park Service	--	--	--	--	--	--	18.38	1.18	6.65	0.77	25.03	1.36	25.03	1.36
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.05	0.05	0.01	0.01	0.06	0.05	0.06	0.05
Other Federal	--	--	1.22	0.29	1.22	0.29	--	--	0.15	0.09	0.15	0.09	1.37	0.30
Total	4.92	0.70	15.26	1.08	20.17	1.28	19.17	1.18	9.36	0.86	28.54	1.39	48.71	1.66
State and Local Government:														
Local	0.81	0.29	1.27	0.27	2.08	0.40	0.56	0.22	1.95	0.36	2.51	0.40	4.59	0.56
State	1.71	0.42	0.58	0.22	2.29	0.47	4.69	0.57	3.22	0.46	7.91	0.70	10.20	0.70
Other Public	--	--	0.09	0.08	0.09	0.08	0.15	0.17	0.07	0.07	0.22	0.19	0.31	0.20
Total	2.52	0.50	1.94	0.36	4.46	0.62	5.40	0.61	5.24	0.56	10.64	0.78	15.10	0.86
Private:														
Corporate	75.57	2.29	9.26	0.80	84.83	2.39	--	--	--	--	--	--	84.83	2.39
Noncorporate Private:														
Total, Noncorporate Private	46.67	1.89	51.76	1.63	98.43	2.36	--	--	--	--	--	--	98.43	2.36
All Private	122.25	2.21	61.01	1.73	183.26	2.44	--	--	--	--	--	--	183.26	2.44
All Owners	288.85	3.14	111.62	2.50	400.47	3.39	73.39	2.09	32.04	1.52	105.43	2.25	505.89	3.42

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C61.7: Soil Organic Carbon by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016

**information duplicated in Table C53 and converted from thousand metric tons C*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>million metric tons C</i>														
USDA Forest Service:														
National Forest	159.34	2.26	32.63	1.43	191.97	2.23	48.67	1.60	18.15	1.14	66.82	1.60	258.79	2.30
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	159.34	2.26	32.63	1.43	191.97	2.23	48.67	1.60	18.15	1.14	66.82	1.60	258.79	2.30
Other federal government:														
Bureau of Land Management	4.53	0.68	13.14	1.04	17.67	1.23	1.11	0.33	2.49	0.43	3.61	0.54	21.28	1.30
Department of Defense and Energy	0.16	0.10	0.84	0.23	1.00	0.25	--	--	0.06	0.06	0.06	0.06	1.06	0.26
National Park Service	--	--	--	--	--	--	18.44	1.18	6.81	0.79	25.25	1.36	25.25	1.36
U.S. Fish and Wildlife Service	--	--	--	--	--	--	0.05	0.05	0.01	0.01	0.06	0.05	0.06	0.05
Other federal	--	--	1.02	0.25	1.02	0.25	--	--	0.15	0.09	0.15	0.09	1.17	0.26
Total	4.69	0.69	15.00	1.08	19.69	1.26	19.60	1.19	9.52	0.87	29.12	1.39	48.82	1.66
State and local government:														
Local	0.98	0.32	1.53	0.30	2.51	0.44	0.57	0.22	1.94	0.36	2.50	0.40	5.01	0.59
State	1.68	0.40	0.63	0.23	2.31	0.46	4.55	0.55	3.24	0.46	7.80	0.68	10.11	0.68
Other public	--	--	0.09	0.08	0.09	0.08	0.15	0.17	0.06	0.07	0.22	0.19	0.31	0.20
Total	2.66	0.51	2.25	0.38	4.91	0.64	5.27	0.60	5.24	0.56	10.52	0.77	15.42	0.86
Private:														
Corporate	77.24	2.30	9.95	0.83	87.18	2.40	--	--	--	--	--	--	87.18	2.40
Noncorporate private:														
Total, noncorporate private	44.03	1.85	51.63	1.63	95.66	2.34	--	--	--	--	--	--	95.66	2.34
All private	121.27	2.21	61.57	1.74	182.84	2.45	--	--	--	--	--	--	182.84	2.45
All owners	287.95	3.14	111.46	2.50	399.40	3.40	73.55	2.08	32.91	1.54	106.46	2.25	505.87	3.42

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C62: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: All California

**information duplicated in Table C70.7*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	38,853.31	1,117.84	4,014.61	349.33	42,867.92	1,133.02	13,194.81	839.70	2,956.39	309.73	16,151.20	861.96	59,019.12	1,379.28
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	38,853.31	1,117.84	4,014.61	349.33	42,867.92	1,133.02	13,194.81	839.70	2,956.39	309.73	16,151.20	861.96	59,019.12	1,379.28
Other federal government:														
Bureau of Land Management	752.39	146.93	983.84	132.77	1,736.22	196.40	276.23	106.92	405.96	134.79	682.19	172.04	2,418.42	257.22
Department of Defense and Energy	26.56	16.66	74.81	39.14	101.37	42.54	--	--	4.34	4.33	4.34	4.33	105.72	42.76
National Park Service	--	--	--	--	--	--	6,396.89	666.37	1,320.22	291.56	7,717.11	716.76	7,717.11	716.76
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1.57	1.60	--	--	1.57	1.60	1.57	1.60
Other federal	--	--	47.03	19.55	47.03	19.55	--	--	6.33	4.31	6.33	4.31	53.36	20.02
Total	778.95	147.64	1,105.67	138.94	1,884.62	200.27	6,674.69	669.17	1,736.86	319.00	8,411.55	729.36	10,296.17	732.66
State and local government:														
Local	326.82	220.79	269.80	98.33	596.62	241.64	93.02	39.83	181.87	58.57	274.88	70.07	871.51	251.30
State	429.79	133.48	35.66	18.23	465.46	133.27	2,188.73	392.66	524.61	132.05	2,713.34	407.88	3,178.79	384.55
Other public	--	--	0.25	0.22	0.25	0.22	16.64	18.53	7.82	8.47	24.46	20.37	24.71	20.37
Total	756.61	256.54	305.71	100.00	1,062.32	274.59	2,298.38	393.21	714.30	144.07	3,012.68	411.67	4,075.01	445.92
Private:														
Corporate	24,053.24	1,159.33	1,092.02	156.72	25,145.26	1,165.14	--	--	--	--	--	--	25,145.26	1,165.14
Noncorporate private:														
Total, noncorporate private	11,485.47	730.74	5,316.19	339.72	16,801.66	796.80	--	--	--	--	--	--	16,801.66	796.80
All private	35,538.71	1,231.60	6,408.22	369.04	41,946.92	1,255.62	--	--	--	--	--	--	41,946.92	1,255.62
All owners	75,927.58	1,675.46	11,834.21	533.89	87,761.79	1,706.78	22,167.88	1,142.90	5,407.55	466.62	27,575.43	1,199.20	115,337.22	2,007.15

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C63: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	0.01	0.01	71.55	32.95	71.55	32.95	190.40	112.21	201.50	85.08	391.90	167.13	463.45	170.35
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.01	0.01	71.55	32.95	71.55	32.95	190.40	112.21	201.50	85.08	391.90	167.13	463.45	170.35
Other federal government:														
Bureau of Land Management	--	--	66.16	27.56	66.16	27.56	--	--	0.33	0.33	0.33	0.33	66.48	27.56
Department of Defense and Energy	--	--	60.89	38.02	60.89	38.02	--	--	--	--	--	--	60.89	38.02
National Park Service	--	--	--	--	--	--	--	--	105.23	117.19	105.23	117.19	105.23	117.19
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	12.09	11.96	12.09	11.96	--	--	--	--	--	--	12.09	11.96
Total	--	--	139.14	47.77	139.14	47.77	--	--	105.56	117.19	105.56	117.19	244.70	126.55
State and local government:														
Local	--	--	139.47	88.32	139.47	88.32	93.02	39.83	126.25	55.54	219.26	67.55	358.73	111.09
State	48.24	50.15	3.88	3.37	52.12	50.27	251.83	129.02	224.31	92.61	476.14	158.66	528.26	166.26
Other public	--	--	--	--	--	--	16.64	18.53	7.82	8.47	24.46	20.37	24.46	20.37
Total	48.24	50.15	143.34	88.38	191.59	101.62	361.49	136.19	358.38	108.09	719.86	172.57	911.45	198.56
Private:														
Corporate	303.36	168.90	225.18	67.65	528.54	181.94	--	--	--	--	--	--	528.54	181.94
Noncorporate private:														
Total, noncorporate private	848.26	245.86	1,058.10	148.36	1,906.37	285.78	--	--	--	--	--	--	1,906.37	285.78
All private	1,151.62	297.27	1,283.28	161.93	2,434.91	337.37	--	--	--	--	--	--	2,434.91	337.37
All owners	1,199.88	301.38	1,637.31	193.28	2,837.19	356.92	551.89	176.46	665.44	179.39	1,217.32	265.73	4,054.51	443.72

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C64: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: Central Valley

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
USDA Forest Service:														
National Forest	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal government:														
Bureau of Land Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State and local government:														
Local	--	--	6.76	6.92	6.76	6.92	--	--	--	--	--	--	6.76	6.92
State	--	--	--	--	--	--	--	--	10.46	10.67	10.46	10.67	10.46	10.67
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	6.76	6.92	6.76	6.92	--	--	10.46	10.67	10.46	10.67	17.21	12.72
Private:														
Corporate	--	--	1.42	1.29	1.42	1.29	--	--	--	--	--	--	1.42	1.29
Noncorporate private:														
Total, noncorporate private	--	--	67.60	33.56	67.60	33.56	--	--	--	--	--	--	67.60	33.56
All private	--	--	69.02	33.58	69.02	33.58	--	--	--	--	--	--	69.02	33.58
All owners	--	--	75.77	34.29	75.77	34.29	--	--	10.46	10.67	10.46	10.67	86.23	35.91

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C65: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: Eastside

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	1,796.49	230.51	1,087.50	162.17	2,883.99	280.45	230.16	104.01	228.13	74.46	458.29	127.17	3,342.28	307.56
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,796.49	230.51	1,087.50	162.17	2,883.99	280.45	230.16	104.01	228.13	74.46	458.29	127.17	3,342.28	307.56
Other federal government:														
Bureau of Land Management	131.37	89.80	367.00	72.09	498.37	114.84	--	--	54.15	25.76	54.15	25.76	552.51	117.00
Department of Defense and Energy	--	--	13.92	9.30	13.92	9.30	--	--	--	--	--	--	13.92	9.30
National Park Service	--	--	--	--	--	--	--	--	64.02	25.47	64.02	25.47	64.02	25.47
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	131.37	89.80	380.92	72.55	512.29	115.12	--	--	118.17	36.01	118.17	36.01	630.46	119.24
State and local government:														
Local	--	--	12.31	12.42	12.31	12.42	--	--	--	--	--	--	12.31	12.42
State	--	--	--	--	--	--	19.72	21.96	0.38	0.33	20.11	21.97	20.11	21.97
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	12.31	12.42	12.31	12.42	19.72	21.96	0.38	0.33	20.11	21.97	32.42	25.23
Private:														
Corporate	638.52	142.53	59.10	28.71	697.62	145.52	--	--	--	--	--	--	697.62	145.52
Noncorporate private:														
Total, noncorporate private	264.99	89.46	44.47	13.85	309.46	90.62	--	--	--	--	--	--	309.46	90.62
All private	903.51	167.07	103.57	31.65	1,007.08	170.19	--	--	--	--	--	--	1,007.08	170.19
All owners	2,831.37	299.71	1,584.30	180.87	4,415.67	348.82	249.89	106.30	346.68	82.71	596.57	133.99	5,012.24	372.90

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C66: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	12,653.46	751.49	922.77	224.55	13,576.23	778.54	6,495.72	567.77	563.44	151.43	7,059.16	583.86	20,635.39	962.51
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	12,653.46	751.49	922.77	224.55	13,576.23	778.54	6,495.72	567.77	563.44	151.43	7,059.16	583.86	20,635.39	962.51
Other federal government:														
Bureau of Land Management	383.11	97.09	152.18	62.00	535.29	116.13	16.06	15.92	33.75	22.71	49.81	27.73	585.10	119.33
Department of Defense and Energy	--	--	--	--	--	--	--	--	4.34	4.33	4.34	4.33	4.34	4.33
National Park Service	--	--	--	--	--	--	772.35	338.34	116.11	55.64	888.46	343.09	888.46	343.09
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	0.03	0.02	0.03	0.02	--	--	0.68	0.75	0.68	0.75	0.71	0.75
Total	383.11	97.09	152.21	62.00	535.32	116.13	788.41	338.56	154.88	60.25	943.29	344.09	1,478.61	361.49
State and local government:														
Local	0.92	0.77	3.35	2.27	4.27	2.40	--	--	6.33	7.01	6.33	7.01	10.60	7.41
State	24.00	17.96	9.09	6.84	33.09	19.22	30.68	29.39	71.39	52.22	102.06	60.05	135.15	63.05
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	24.92	17.98	12.44	7.21	37.36	19.37	30.68	29.39	77.72	52.69	108.39	60.45	145.75	63.46
Private:														
Corporate	5,063.84	561.65	289.36	86.09	5,353.20	567.56	--	--	--	--	--	--	5,353.20	567.56
Noncorporate private:														
Total, noncorporate private	2,706.79	334.92	1,375.27	201.63	4,082.07	390.14	--	--	--	--	--	--	4,082.07	390.14
All private	7,770.63	641.68	1,664.63	218.68	9,435.27	675.78	--	--	--	--	--	--	9,435.27	675.78
All owners	20,832.13	991.79	2,752.05	319.30	23,584.17	1,035.86	7,314.80	661.28	796.04	171.28	8,110.84	679.99	31,695.02	1,229.01

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C67: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: North Coast

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	84.22	49.35	1.81	1.74	86.03	49.38	81.27	72.95	--	--	81.27	72.95	167.29	87.99
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	84.22	49.35	1.81	1.74	86.03	49.38	81.27	72.95	--	--	81.27	72.95	167.29	87.99
Other federal government:														
Bureau of Land Management	83.70	42.17	--	--	83.70	42.17	253.56	105.62	--	--	253.56	105.62	337.27	113.79
Department of Defense and Energy	20.24	15.35	--	--	20.24	15.35	--	--	--	--	--	--	20.24	15.35
National Park Service	--	--	--	--	--	--	390.72	199.33	3.50	3.00	394.22	199.33	394.22	199.33
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1.57	1.60	--	--	1.57	1.60	1.57	1.60
Other federal	--	--	0.01	0.01	0.01	0.01	--	--	--	--	--	--	0.01	0.01
Total	103.94	44.88	0.01	0.01	103.95	44.88	645.85	225.19	3.50	3.00	649.35	225.10	753.31	228.67
State and local government:														
Local	240.30	217.42	2.67	2.04	242.97	217.43	--	--	43.10	16.45	43.10	16.45	286.06	218.05
State	274.32	115.55	--	--	274.32	115.55	1,402.21	370.31	41.98	36.19	1,444.19	371.90	1,718.51	366.33
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	514.62	246.21	2.67	2.04	517.29	246.22	1,402.21	370.31	85.08	39.75	1,487.28	372.27	2,004.57	425.75
Private:														
Corporate	9,663.62	969.99	117.89	76.71	9,781.52	972.03	--	--	--	--	--	--	9,781.52	972.03
Noncorporate private:														
Total, noncorporate private	4,135.85	497.93	294.76	67.09	4,430.61	502.06	--	--	--	--	--	--	4,430.61	502.06
All private	13,799.47	1,061.90	412.65	101.82	14,212.12	1,064.44	--	--	--	--	--	--	14,212.12	1,064.44
All owners	14,502.25	1,091.24	417.14	101.85	14,919.39	1,093.70	2,129.33	439.49	88.58	39.86	2,217.90	441.09	17,137.29	1,169.09

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C68: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: Sierra Cascades

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	23,865.38	1,016.51	1,351.55	198.51	25,216.93	1,024.30	5,887.13	691.82	1,480.81	225.48	7,367.94	715.07	32,584.88	1,235.51
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	23,865.38	1,016.51	1,351.55	198.51	25,216.93	1,024.30	5,887.13	691.82	1,480.81	225.48	7,367.94	715.07	32,584.88	1,235.51
Other federal government:														
Bureau of Land Management	154.21	52.20	346.85	84.32	501.05	98.47	6.61	4.85	301.04	130.21	307.65	130.30	808.70	162.60
Department of Defense and Energy	--	--	--	--	--	--	--	--	--	--	--	--	--	--
National Park Service	--	--	--	--	--	--	5,233.82	574.27	952.43	257.75	6,186.25	619.94	6,186.25	619.94
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	12.10	9.10	12.10	9.10	--	--	0.75	0.75	0.75	0.75	12.84	9.13
Total	154.21	52.20	358.94	84.65	513.15	98.67	5,240.43	574.24	1,254.22	287.13	6,494.64	632.34	7,007.79	633.11
State and local government:														
Local	85.60	38.42	83.83	37.54	169.44	53.74	--	--	0.44	0.38	0.44	0.38	169.87	53.74
State	83.23	53.58	22.70	16.57	105.92	55.42	382.02	151.50	108.19	52.58	490.21	159.21	596.13	165.47
Other public	--	--	0.25	0.22	0.25	0.22	--	--	--	--	--	--	0.25	0.22
Total	168.83	65.93	106.78	41.03	275.61	77.19	382.02	151.50	108.63	52.58	490.65	159.21	766.25	173.97
Private:														
Corporate	8,381.31	568.50	380.29	77.41	8,761.60	573.42	--	--	--	--	--	--	8,761.60	573.42
Noncorporate private:														
Total, noncorporate private	3,344.75	391.03	2,073.33	205.31	5,418.08	438.36	--	--	--	--	--	--	5,418.08	438.36
All private	11,726.06	663.94	2,453.62	217.04	14,179.68	689.69	--	--	--	--	--	--	14,179.68	689.69
All owners	35,914.48	1,213.33	4,270.90	308.24	40,185.37	1,235.58	11,509.58	911.86	2,843.66	368.55	14,353.23	967.47	54,538.60	1,540.61

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C69: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	453.76	135.57	579.43	107.73	1,033.19	172.89	310.13	104.42	482.51	132.01	792.64	167.03	1,825.83	239.65
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	453.76	135.57	579.43	107.73	1,033.19	172.89	310.13	104.42	482.51	132.01	792.64	167.03	1,825.83	239.65
Other federal government:														
Bureau of Land Management	--	--	51.66	35.07	51.66	35.07	--	--	16.69	10.57	16.69	10.57	68.35	36.61
Department of Defense and Energy	6.32	6.47	--	--	6.32	6.47	--	--	--	--	--	--	6.32	6.47
National Park Service	--	--	--	--	--	--	--	--	78.93	42.15	78.93	42.15	78.93	42.15
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other federal	--	--	22.80	12.50	22.80	12.50	--	--	4.91	4.18	4.91	4.18	27.71	13.18
Total	6.32	6.47	74.46	37.23	80.78	37.79	--	--	100.53	43.65	100.53	43.65	181.31	56.78
State and local government:														
Local	--	--	21.41	15.99	21.41	15.99	--	--	5.76	5.66	5.76	5.66	27.17	16.82
State	--	--	--	--	--	--	102.27	88.95	67.90	46.33	170.17	100.15	170.17	100.15
Other public	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	21.41	15.99	21.41	15.99	102.27	88.95	73.66	46.67	175.93	100.31	197.35	101.55
Private:														
Corporate	2.59	2.54	18.78	9.61	21.36	9.94	--	--	--	--	--	--	21.36	9.94
Noncorporate private:														
Total, noncorporate private	184.82	97.82	402.66	109.75	587.48	182.27	--	--	--	--	--	--	587.48	182.27
All private	187.41	97.85	421.43	110.17	608.84	182.54	--	--	--	--	--	--	608.84	182.54
All owners	647.49	167.32	1,096.73	159.11	1,744.22	254.58	412.40	137.17	656.70	146.66	1,069.10	199.67	2,813.33	322.77

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.1: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2001-2010

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	39,111.51	1,048.82	4,993.82	363.54	44,105.33	1,063.48	11,677.14	677.05	2,566.96	248.95	14,244.10	688.09	58,349.43	1,212.01
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	39,111.51	1,048.82	4,993.82	363.54	44,105.33	1,063.48	11,677.14	677.05	2,566.96	248.95	14,244.10	688.09	58,349.43	1,212.01
Other Federal Government:														
Bureau of Land Management	731.54	124.60	1,001.27	121.47	1,732.81	172.33	46.46	23.90	317.39	90.21	363.85	93.31	2,096.66	193.60
Department of Defense and Energy	11.50	11.31	45.13	19.74	56.63	22.71	--	--	--	--	--	--	56.63	22.71
National Park Service	--	--	--	--	--	--	6,190.06	690.44	857.35	163.65	7,047.41	702.91	7,047.41	702.91
U.S. Fish and Wildlife Service	--	--	--	--	--	--	12.75	13.87	--	--	12.75	13.87	12.75	13.87
Other Federal	--	--	56.57	24.49	56.57	24.49	127.29	111.02	27.90	23.97	155.20	113.58	211.77	116.04
Total	743.04	124.98	1,102.98	124.77	1,846.02	174.50	6,376.57	693.63	1,202.64	186.66	7,579.21	709.89	9,425.23	709.03
State and Local Government:														
Local	180.78	72.87	167.26	65.71	348.04	98.05	103.81	52.09	237.34	64.23	341.15	81.97	689.19	126.67
State	464.78	148.05	35.31	18.59	500.10	148.74	2,012.80	369.13	393.88	94.30	2,406.68	376.74	2,906.78	383.22
Other Public	--	--	0.24	0.21	0.24	0.21	16.36	17.80	11.38	9.07	27.74	19.98	27.98	19.98
Total	645.56	162.66	202.81	68.23	848.37	175.86	2,132.97	368.76	642.61	113.43	2,775.58	378.11	3,623.95	389.09
Private:														
Corporate	24,640.27	1,148.53	666.01	113.67	25,306.28	1,152.36	--	--	--	--	--	--	25,306.28	1,152.36
Noncorporate Private:														
Total, Noncorporate Private	13,351.19	779.32	5,698.24	308.85	19,049.44	820.04	--	--	--	--	--	--	19,049.44	820.04
All Private	37,991.46	1,222.80	6,364.25	326.17	44,355.71	1,229.70	--	--	--	--	--	--	44,355.71	1,229.70
All Owners	78,491.57	1,609.59	12,663.86	506.83	91,155.43	1,626.26	20,186.67	1,035.98	4,412.21	330.73	24,598.89	1,056.62	115,754.32	1,859.36

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.2: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2002-2011

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	39,167.98	1,062.40	4,828.11	360.99	43,996.09	1,075.49	11,725.41	683.38	2,525.87	255.18	14,251.27	696.42	58,247.37	1,225.65
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	39,167.98	1,062.40	4,828.11	360.99	43,996.09	1,075.49	11,725.41	683.38	2,525.87	255.18	14,251.27	696.42	58,247.37	1,225.65
Other Federal Government:														
Bureau of Land Management	734.84	124.51	969.22	122.40	1,704.06	173.06	43.30	22.65	363.36	104.14	406.67	106.56	2,110.72	200.60
Department of Defense and Energy	17.39	13.00	42.42	19.23	59.81	23.16	--	--	--	--	--	--	59.81	23.16
National Park Service	--	--	--	--	--	--	6,400.85	708.40	862.75	167.75	7,263.59	720.40	7,263.59	720.40
U.S. Fish and Wildlife Service	--	--	--	--	--	--	12.47	13.77	--	--	12.47	13.77	12.47	13.77
Other Federal	--	--	56.84	24.59	56.84	24.59	128.13	111.47	28.09	24.15	156.22	114.06	213.06	116.51
Total	752.22	125.04	1,068.48	125.62	1,820.70	175.25	6,584.75	711.37	1,254.20	196.89	7,838.95	728.75	9,659.65	727.73
State and Local Government:														
Local	350.47	238.02	187.04	85.04	537.51	252.74	113.38	54.12	230.06	64.74	343.44	83.64	880.96	263.61
State	457.23	146.49	37.17	19.04	494.40	147.73	2,010.98	366.51	412.43	95.97	2,423.41	374.94	2,917.82	381.09
Other Public	--	--	0.24	0.22	0.24	0.22	16.00	17.66	8.14	8.43	24.14	19.57	24.38	19.57
Total	807.70	278.89	224.46	87.09	1,032.16	290.04	2,140.36	366.55	650.63	115.05	2,790.99	377.04	3,823.15	450.23
Private:														
Corporate	24,089.98	1,185.57	769.08	128.48	24,859.06	1,188.85	--	--	--	--	--	--	24,859.06	1,188.85
Noncorporate Private:														
Total, Noncorporate Private	13,548.07	797.44	5,735.36	329.56	19,283.43	844.63	--	--	--	--	--	--	19,283.43	844.63
All Private	37,638.05	1,268.38	6,504.44	350.16	44,142.49	1,281.20	--	--	--	--	--	--	44,142.49	1,281.20
All Owners	78,365.96	1,669.48	12,625.49	523.70	90,991.44	1,690.20	20,450.52	1,051.17	4,430.70	341.86	24,881.21	1,074.30	115,872.66	1,919.72

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.3: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2003-2012

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	38,922.11	1,066.19	4,589.46	354.12	43,511.57	1,078.58	12,015.32	709.85	2,615.47	258.49	14,630.79	722.53	58,142.36	1,244.71
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	38,922.11	1,066.19	4,589.46	354.12	43,511.57	1,078.58	12,015.32	709.85	2,615.47	258.49	14,630.79	722.53	58,142.36	1,244.71
Other Federal Government:														
Bureau of Land Management	764.48	126.33	996.07	126.39	1,760.55	177.43	100.62	48.76	346.17	102.10	446.78	113.14	2,207.33	208.07
Department of Defense and Energy	17.49	12.93	45.21	19.72	62.69	23.53	--	--	4.64	4.36	4.64	4.36	67.33	23.93
National Park Service	--	--	--	--	--	--	6,280.35	708.09	963.18	214.54	7,243.54	731.18	7,243.54	731.18
U.S. Fish and Wildlife Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Federal	--	--	70.79	27.90	70.79	27.90	105.98	108.27	27.13	23.67	133.11	110.83	203.91	114.13
Total	781.96	126.86	1,112.08	130.22	1,894.04	180.10	6,486.95	712.23	1,341.11	236.69	7,828.06	740.26	9,722.10	738.36
State and Local Government:														
Local	281.92	205.77	191.51	85.87	473.43	222.97	114.37	55.00	237.82	66.29	352.19	85.37	825.62	237.80
State	485.02	153.49	35.57	17.43	520.59	154.29	2,091.17	380.78	412.23	100.02	2,503.39	389.36	3,023.98	395.24
Other Public	--	--	0.24	0.22	0.24	0.22	17.19	18.40	7.54	8.12	24.73	20.11	24.97	20.11
Total	766.94	254.32	227.32	87.58	994.27	268.33	2,222.73	380.14	657.58	119.35	2,880.31	390.97	3,874.57	444.71
Private:														
Corporate	23,832.98	1,173.78	754.95	128.07	24,587.93	1,177.37	--	--	--	--	--	--	24,587.93	1,177.37
Noncorporate Private:														
Total, Noncorporate Private	13,473.21	813.47	5,755.70	346.27	19,228.91	866.43	--	--	--	--	--	--	19,228.91	866.43
All Private	37,306.18	1,270.73	6,510.66	365.61	43,816.84	1,288.87	--	--	--	--	--	--	43,816.84	1,288.87
All Owners	77,777.20	1,667.47	12,439.52	530.24	90,216.72	1,692.43	20,725.00	1,074.21	4,614.16	370.18	25,339.16	1,104.79	115,555.88	1,939.22

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.4: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2004-2013

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	39,280.55	1,086.60	4,501.06	352.79	43,781.61	1,099.44	12,456.10	782.71	2,605.64	257.55	15,061.74	794.09	58,843.35	1,307.04
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	39,280.55	1,086.60	4,501.06	352.79	43,781.61	1,099.44	12,456.10	782.71	2,605.64	257.55	15,061.74	794.09	58,843.35	1,307.04
Other Federal Government:														
Bureau of Land Management	740.67	122.69	954.45	126.13	1,695.12	174.60	93.69	44.29	367.01	104.74	460.69	113.71	2,155.81	206.06
Department of Defense and Energy	16.66	12.54	38.78	15.70	55.44	20.04	--	--	3.91	3.98	3.91	3.98	59.35	20.39
National Park Service	--	--	--	--	--	--	6,063.18	624.25	947.44	208.68	7,010.63	648.95	7,010.63	648.95
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1.60	1.62	--	--	1.60	1.62	1.60	1.62
Other Federal	--	--	67.17	26.21	67.17	26.21	--	--	3.82	3.28	3.82	3.28	70.98	26.41
Total	757.34	123.21	1,060.39	128.98	1,817.73	176.62	6,158.47	624.31	1,322.17	231.76	7,480.65	654.97	9,298.37	653.34
State and Local Government:														
Local	283.68	202.75	204.87	91.96	488.55	222.63	103.20	48.03	223.54	64.32	326.74	79.79	815.29	235.17
State	478.09	148.71	35.79	17.30	513.88	149.24	2,072.01	380.79	413.20	102.82	2,485.21	389.62	2,999.10	395.83
Other Public	--	--	0.24	0.22	0.24	0.22	17.99	18.93	7.62	8.17	25.61	20.62	25.86	20.62
Total	761.77	246.58	240.90	93.52	1,002.68	263.10	2,193.20	380.17	644.37	120.72	2,837.57	391.22	3,840.24	443.72
Private:														
Corporate	23,722.02	1,171.85	842.73	138.26	24,564.75	1,175.30	--	--	--	--	--	--	24,564.75	1,175.30
Noncorporate Private:														
Total, Noncorporate Private	13,167.55	800.31	5,643.50	353.37	18,811.05	857.69	--	--	--	--	--	--	18,811.05	857.69
All Private	36,889.57	1,265.55	6,486.23	375.79	43,375.79	1,286.38	--	--	--	--	--	--	43,375.79	1,286.38
All Owners	77,689.23	1,677.15	12,288.58	536.76	89,977.81	1,704.15	20,807.77	1,070.24	4,572.18	366.83	25,379.95	1,100.20	115,357.76	1,952.59

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.5: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2005-2014

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	39,515.60	1,124.51	4,266.22	344.61	43,781.82	1,136.47	12,729.44	779.79	2,677.25	279.68	15,406.70	794.51	59,188.51	1,340.78
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	39,515.60	1,124.51	4,266.22	344.61	43,781.82	1,136.47	12,729.44	779.79	2,677.25	279.68	15,406.70	794.51	59,188.51	1,340.78
Other Federal Government:														
Bureau of Land Management	756.52	127.20	1,015.07	149.39	1,771.58	194.96	121.80	51.14	403.69	122.53	525.49	132.76	2,297.07	233.42
Department of Defense and Energy	16.70	12.62	35.55	15.84	52.25	20.23	--	--	4.00	4.01	4.00	4.01	56.25	20.57
National Park Service	--	--	--	--	--	--	6,162.20	630.10	922.85	203.31	7,085.04	653.03	7,085.04	653.03
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1.60	1.62	--	--	1.60	1.62	1.60	1.62
Other Federal	--	--	65.56	25.78	65.56	25.78	--	--	3.74	3.25	3.74	3.25	69.30	25.98
Total	773.21	127.68	1,116.18	151.75	1,889.39	196.75	6,285.59	630.39	1,334.28	235.44	7,619.87	662.41	9,509.26	665.49
State and Local Government:														
Local	306.65	199.08	218.15	94.36	524.80	220.31	100.86	47.25	196.34	58.47	297.20	74.78	822.00	231.59
State	456.05	146.98	36.57	17.15	492.62	147.60	2,167.91	396.55	433.81	104.92	2,601.72	404.81	3,094.34	410.07
Other Public	--	--	0.24	0.21	0.24	0.21	18.77	19.45	8.20	8.49	26.97	21.23	27.21	21.23
Total	762.70	243.42	254.95	95.84	1,017.65	261.16	2,287.54	395.25	638.35	119.68	2,925.90	406.01	3,943.55	454.98
Private:														
Corporate	23,632.49	1,165.45	911.13	139.94	24,543.63	1,168.56	--	--	--	--	--	--	24,543.63	1,168.56
Noncorporate Private:														
Total, Noncorporate Private	13,102.66	820.77	5,472.60	348.93	18,575.26	874.78	--	--	--	--	--	--	18,575.26	874.78
All Private	36,735.16	1,276.74	6,383.73	372.13	43,118.89	1,295.38	--	--	--	--	--	--	43,118.89	1,295.38
All Owners	77,786.67	1,710.45	12,021.08	535.34	89,807.74	1,737.02	21,302.58	1,077.09	4,649.88	384.60	25,952.46	1,110.24	115,760.21	1,986.36

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.6: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2006-2015

Ownership Group	Unreserved Forests						Reserved Forests						All Forest Land	
	Timberland		Other Forest		Total		Productive		Other Forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	39,587.68	1,145.21	4,114.04	348.71	43,701.72	1,157.93	12,978.35	819.16	2,621.00	284.33	15,599.35	835.78	59,301.07	1,382.12
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	39,587.68	1,145.21	4,114.04	348.71	43,701.72	1,157.93	12,978.35	819.16	2,621.00	284.33	15,599.35	835.78	59,301.07	1,382.12
Other Federal Government:														
Bureau of Land Management	912.04	180.77	1,040.74	152.41	1,952.78	234.23	189.68	92.41	410.81	124.35	600.49	154.92	2,553.27	278.36
Department of Defense and Energy	16.78	12.66	35.60	15.73	52.39	20.17	--	--	3.97	4.00	3.97	4.00	56.36	20.52
National Park Service	--	--	--	--	--	--	6,429.64	674.52	1,055.74	237.67	7,485.38	707.27	7,485.38	707.27
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1.58	1.61	--	--	1.58	1.61	1.58	1.61
Other Federal	--	--	63.87	25.49	63.87	25.49	--	--	3.79	3.28	3.79	3.28	67.66	25.69
Total	928.82	181.11	1,140.21	154.74	2,069.04	235.77	6,620.90	679.08	1,474.31	266.48	8,095.21	720.34	10,164.25	731.92
State and Local Government:														
Local	316.65	203.82	245.01	97.11	561.66	225.76	87.26	38.79	195.05	59.31	282.31	70.77	843.97	235.58
State	418.01	133.45	38.63	17.62	456.64	134.15	2,166.12	396.36	539.34	141.58	2,705.46	415.31	3,162.09	418.39
Other Public	--	--	0.24	0.21	0.24	0.21	18.22	19.20	9.18	9.02	27.40	21.21	27.64	21.21
Total	734.65	239.27	283.88	98.62	1,018.53	258.33	2,271.60	393.78	743.57	153.06	3,015.17	415.32	4,033.70	463.70
Private:														
Corporate	24,554.41	1,199.75	1,012.28	151.62	25,566.69	1,203.99	--	--	--	--	--	--	25,566.69	1,203.99
Noncorporate Private:														
Total, Noncorporate Private	12,456.16	784.60	5,473.46	355.61	17,929.62	851.73	--	--	--	--	--	--	17,929.62	851.73
All Private	37,010.56	1,290.59	6,485.74	382.31	43,496.30	1,315.83	--	--	--	--	--	--	43,496.30	1,315.83
All Owners	78,261.72	1,737.26	12,023.87	546.17	90,285.59	1,768.33	21,870.85	1,133.82	4,838.88	418.41	26,709.73	1,176.85	116,995.32	2,044.93

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table C70.7: Aboveground Carbon Mass of Down Dead Wood, by Owner Group and Forest Land Status, All California (10-year averages): 2007-2016

**information duplicated in Table C62*

Ownership group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
USDA Forest Service:														
National Forest	38,853.31	1,117.84	4,014.61	349.33	42,867.92	1,133.02	13,194.81	839.70	2,956.39	309.73	16,151.20	861.96	59,019.12	1,379.28
National Grasslands	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other Forest Service	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	38,853.31	1,117.84	4,014.61	349.33	42,867.92	1,133.02	13,194.81	839.70	2,956.39	309.73	16,151.20	861.96	59,019.12	1,379.28
Other federal government:														
Bureau of Land Management	752.39	146.93	983.84	132.77	1,736.22	196.40	276.23	106.92	405.96	134.79	682.19	172.04	2,418.42	257.22
Department of Defense and Energy	26.56	16.66	74.81	39.14	101.37	42.54	--	--	4.34	4.33	4.34	4.33	105.72	42.76
National Park Service	--	--	--	--	--	--	6,396.89	666.37	1,320.22	291.56	7,717.11	716.76	7,717.11	716.76
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1.57	1.60	--	--	1.57	1.60	1.57	1.60
Other federal	--	--	47.03	19.55	47.03	19.55	--	--	6.33	4.31	6.33	4.31	53.36	20.02
Total	778.95	147.64	1,105.67	138.94	1,884.62	200.27	6,674.69	669.17	1,736.86	319.00	8,411.55	729.36	10,296.17	732.66
State and local government:														
Local	326.82	220.79	269.80	98.33	596.62	241.64	93.02	39.83	181.87	58.57	274.88	70.07	871.51	251.30
State	429.79	133.48	35.66	18.23	465.46	133.27	2,188.73	392.66	524.61	132.05	2,713.34	407.88	3,178.79	384.55
Other public	--	--	0.25	0.22	0.25	0.22	16.64	18.53	7.82	8.47	24.46	20.37	24.71	20.37
Total	756.61	256.54	305.71	100.00	1,062.32	274.59	2,298.38	393.21	714.30	144.07	3,012.68	411.67	4,075.01	445.92
Private:														
Corporate	24,053.24	1,159.33	1,092.02	156.72	25,145.26	1,165.14	--	--	--	--	--	--	25,145.26	1,165.14
Noncorporate private:														
Total, noncorporate private	11,485.47	730.74	5,316.19	339.72	16,801.66	796.80	--	--	--	--	--	--	16,801.66	796.80
All private	35,538.71	1,231.60	6,408.22	369.04	41,946.92	1,255.62	--	--	--	--	--	--	41,946.92	1,255.62
All owners	75,927.58	1,675.46	11,834.21	533.89	87,761.79	1,706.78	22,167.88	1,142.90	5,407.55	466.62	27,575.43	1,199.20	115,337.22	2,007.15

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D1: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	303,305	8,880	302	181	303,607	8,880	82,284	5,610	627	534	82,910	5,627	386,518	10,158
Douglas-fir	52,323	4,820	282	284	52,604	4,827	18,325	3,403	343	176	18,668	3,408	71,272	5,870
Fir / spruce / mountain hemlock	76,934	5,589	891	519	77,825	5,612	39,474	4,818	1,635	670	41,109	4,856	118,934	7,392
Western Hemlock / Sitka spruce	2,525	1,073	--	--	2,525	1,073	120	119	--	--	120	119	2,644	1,079
Lodgepole pine	8,540	1,404	1,303	504	9,843	1,486	16,664	2,166	4,903	1,019	21,568	2,305	31,411	2,723
Pinyon / juniper	81	64	3,876	425	3,957	430	8	13	2,379	358	2,387	358	6,344	554
Ponderosa pine	42,713	2,764	511	223	43,224	2,772	5,572	1,117	442	205	6,014	1,134	49,238	2,985
Redwood	53,650	5,720	--	--	53,650	5,720	29,890	8,451	--	--	29,890	8,451	83,540	10,107
Western white pine	591	285	--	--	591	285	2,449	746	637	278	3,086	796	3,677	846
Other western softwoods	4,462	1,114	6,037	517	10,498	1,224	2,559	659	4,624	827	7,183	1,046	17,682	1,607
Total	545,124	11,147	13,201	1,045	558,325	11,139	197,345	10,761	15,589	1,594	212,935	10,779	771,260	14,579
Hardwoods:														
Alder / maple	6,451	1,342	584	268	7,035	1,369	2,298	981	80	90	2,379	985	9,413	1,685
Aspen / birch	403	227	91	39	494	230	22	24	356	243	378	244	872	336
Elm / ash / cottonwood	--	--	499	291	499	291	--	--	184	155	184	155	683	330
Tanoak / laurel	71,804	5,385	4,506	1,167	76,310	5,488	18,993	3,136	2,784	1,150	21,777	3,325	98,087	6,377
Western oak	62,475	4,077	85,322	3,277	147,797	5,061	7,582	1,349	14,627	1,588	22,209	2,068	170,006	5,411
Woodland hardwoods	193	100	708	191	901	215	--	--	288	124	288	124	1,190	248
Exotic hardwoods	3	3	--	--	3	3	--	--	--	--	--	--	3	3
Other hardwoods	9,938	1,936	958	214	10,897	1,947	2,169	1,085	187	157	2,357	1,096	13,253	2,219
Total	151,268	6,866	92,669	3,476	243,936	7,399	31,064	3,626	18,506	1,986	49,571	4,074	293,507	8,291
Nonstocked	992	209	23	18	1,015	210	337	221	16	13	353	222	1,368	305
All forest types	697,384	11,169	105,892	3,604	803,276	10,975	228,747	10,817	34,112	2,515	262,859	10,855	1,066,135	13,874

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D2: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	1,198	760	--	--	1,198	760	--	--	--	--	--	--	1,198	760
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	174	56	174	56	--	--	17	10	17	10	191	57
Ponderosa pine	--	--	42	30	42	30	--	--	50	49	50	49	92	58
Redwood	11,203	2,888	--	--	11,203	2,888	8,074	3,253	--	--	8,074	3,253	19,277	4,424
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	543	438	--	--	543	438	--	--	--	--	--	--	543	438
Total	12,944	3,013	217	63	13,161	3,013	8,074	3,253	67	50	8,141	3,254	21,302	4,507
Hardwoods:														
Alder / maple	--	--	84	63	84	63	326	363	--	--	326	363	410	369
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	54	39	54	39	--	--	5	6	5	6	59	40
Tanoak / laurel	2,917	1,188	1,813	571	4,730	1,316	2,983	1,636	1,261	605	4,245	1,744	8,974	2,184
Western oak	683	409	15,508	1,433	16,191	1,490	228	194	5,384	916	5,612	924	21,803	1,742
Woodland hardwoods	--	--	--	--	--	--	--	--	8	8	8	8	8	8
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	1,418	924	275	125	1,693	931	1,340	930	16	13	1,356	930	3,049	1,291
Total	5,019	1,559	17,733	1,545	22,752	2,179	4,877	1,880	6,675	1,104	11,552	2,141	34,303	3,012
Nonstocked	--	--	18	18	18	18	--	--	--	--	--	--	18	18
All forest types	17,963	3,373	17,968	1,546	35,931	3,694	12,951	3,684	6,741	1,105	19,693	3,824	55,624	5,318

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D3: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	252	258	252	258	--	--	145	148	145	148	397	298
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	868	281	868	281	--	--	14	14	14	14	882	282
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	1,121	382	1,121	382	--	--	159	149	159	149	1,280	410
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	--	--	1,121	382	1,121	382	--	--	159	149	159	149	1,280	410

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D4: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	6,020	941	199	168	6,219	955	--	--	--	--	--	--	6,219	955
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	3,558	1,079	--	--	3,558	1,079	1,522	833	--	--	1,522	833	5,080	1,363
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	475	247	643	390	1,118	462	--	--	--	--	--	--	1,118	462
Pinyon / juniper	22	22	1,981	285	2,002	286	--	--	943	220	943	220	2,945	356
Ponderosa pine	5,906	824	105	70	6,011	826	454	250	--	--	454	250	6,465	863
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	952	238	4,143	417	5,095	477	--	--	1,113	429	1,113	429	6,208	641
Total	16,932	1,674	7,071	657	24,003	1,798	1,976	870	2,056	482	4,032	992	28,035	2,051
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	225	152	56	33	281	155	22	24	--	--	22	24	303	157
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	81	65	92	78	174	102	--	--	--	--	--	--	174	102
Woodland hardwoods	140	84	144	71	285	110	--	--	--	--	--	--	285	110
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	61	51	1	1	62	51	--	--	--	--	--	--	62	51
Total	508	192	293	111	801	222	22	24	--	--	22	24	823	223
Nonstocked	61	23	5	3	66	24	--	--	--	--	--	--	66	24
All forest types	17,502	1,688	7,368	665	24,870	1,813	1,998	875	2,056	482	4,054	997	28,924	2,066

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D5: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	108,442	6,342	67	62	108,508	6,342	32,604	3,408	--	--	32,604	3,408	141,113	7,161
Douglas-fir	21,034	3,026	282	284	21,316	3,038	10,781	2,454	343	176	11,123	2,460	32,439	3,898
Fir / spruce / mountain hemlock	6,261	1,686	282	231	6,543	1,699	8,655	2,139	240	200	8,895	2,147	15,439	2,738
Western Hemlock / Sitka spruce	--	--	--	--	--	--	120	119	--	--	120	119	120	119
Lodgepole pine	135	129	--	--	135	129	89	63	71	72	159	96	294	161
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	3,631	819	--	--	3,631	819	1,586	682	128	126	1,714	694	5,345	1,073
Redwood	1,025	780	--	--	1,025	780	6,310	3,825	--	--	6,310	3,825	7,334	3,904
Western white pine	273	225	--	--	273	225	252	136	49	34	301	140	574	265
Other western softwoods	92	75	401	180	493	195	62	55	27	27	89	61	582	203
Total	140,891	7,115	1,031	413	141,922	7,117	60,459	5,711	858	306	61,316	5,715	203,238	9,020
Hardwoods:														
Alder / maple	2,152	683	239	189	2,390	709	1,326	723	80	90	1,406	729	3,796	1,017
Aspen / birch	--	--	--	--	--	--	--	--	12	12	12	12	12	12
Elm / ash / cottonwood	--	--	64	63	64	63	--	--	--	--	--	--	64	63
Tanoak / laurel	25,729	3,625	413	239	26,142	3,632	9,672	2,129	330	280	10,001	2,147	36,143	4,206
Western oak	31,856	3,074	26,814	2,052	58,670	3,661	3,489	928	4,671	961	8,160	1,334	66,830	3,886
Woodland hardwoods	--	--	34	31	34	31	--	--	28	25	28	25	62	40
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	4,662	1,281	53	33	4,716	1,281	78	77	156	156	235	174	4,950	1,293
Total	64,399	4,895	27,617	2,073	92,016	5,269	14,565	2,406	5,278	1,017	19,842	2,607	111,859	5,844
Nonstocked	173	63	--	--	173	63	310	221	--	--	310	221	483	230
All forest types	205,463	8,383	28,648	2,112	234,111	8,574	75,333	5,925	6,135	1,063	81,468	5,994	315,580	10,266

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D6: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	68	64	--	--	68	64	--	--	--	--	--	--	68	64
Douglas-fir	30,090	3,743	--	--	30,090	3,743	7,545	2,418	--	--	7,545	2,418	37,635	4,425
Fir / spruce / mountain hemlock	424	289	--	--	424	289	--	--	--	--	--	--	424	289
Western Hemlock / Sitka spruce	2,525	1,073	--	--	2,525	1,073	--	--	--	--	--	--	2,525	1,073
Lodgepole pine	--	--	--	--	--	--	28	28	--	--	28	28	28	28
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	41,394	4,967	--	--	41,394	4,967	15,506	6,948	--	--	15,506	6,948	56,900	8,414
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	1,168	896	--	--	1,168	896	--	--	139	183	139	183	1,307	915
Total	75,670	6,242	--	--	75,670	6,242	23,078	7,253	139	183	23,217	7,255	98,887	9,368
Hardwoods:														
Alder / maple	3,206	992	80	79	3,286	995	646	554	--	--	646	554	3,933	1,139
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	40,114	3,793	2,251	991	42,365	3,907	6,338	1,679	1,142	936	7,481	1,919	49,846	4,328
Western oak	4,068	964	4,206	794	8,274	1,250	--	--	505	274	505	274	8,779	1,280
Woodland hardwoods	--	--	--	--	--	--	--	--	94	85	94	85	94	85
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	2,446	860	58	55	2,504	862	751	572	--	--	751	572	3,255	1,034
Total	49,834	4,077	6,595	1,271	56,429	4,246	7,736	1,832	1,741	979	9,477	2,072	65,906	4,694
Nonstocked	18	18	--	--	18	18	--	--	--	--	--	--	18	18
All forest types	125,523	7,101	6,595	1,271	132,118	7,178	30,814	7,359	1,879	996	32,694	7,422	164,812	10,077

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D7: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	187,535	7,656	36	29	187,571	7,656	48,476	4,664	627	534	49,103	4,684	236,673	8,737
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	66,166	5,267	608	465	66,775	5,288	29,297	4,313	1,394	639	30,691	4,358	97,466	6,824
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	7,931	1,377	660	319	8,591	1,412	16,548	2,165	4,576	1,006	21,124	2,301	29,715	2,681
Pinyon / juniper	59	60	1,064	265	1,124	271	8	13	1,068	268	1,076	269	2,200	382
Ponderosa pine	32,746	2,539	364	210	33,109	2,548	2,968	818	141	92	3,108	823	36,218	2,673
Redwood	28	26	--	--	28	26	--	--	--	--	--	--	28	26
Western white pine	319	175	--	--	319	175	2,196	734	588	276	2,784	784	3,103	803
Other western softwoods	1,411	392	1,494	255	2,904	467	2,497	656	3,346	685	5,843	940	8,747	1,049
Total	296,194	8,899	4,226	703	300,420	8,913	101,991	6,368	11,739	1,482	113,730	6,441	414,150	10,619
Hardwoods:														
Alder / maple	1,093	606	--	--	1,093	606	--	--	--	--	--	--	1,093	606
Aspen / birch	177	169	36	21	213	170	--	--	344	243	344	243	557	296
Elm / ash / cottonwood	--	--	129	112	129	112	--	--	--	--	--	--	129	112
Tanoak / laurel	3,043	1,177	30	16	3,073	1,177	--	--	--	--	--	--	3,073	1,177
Western oak	24,672	2,532	33,566	2,084	58,239	3,208	3,285	920	3,069	802	6,354	1,217	64,592	3,404
Woodland hardwoods	53	54	112	54	165	76	--	--	90	71	90	71	255	104
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	1,351	723	482	153	1,833	739	--	--	15	16	15	16	1,848	739
Total	30,391	2,938	34,355	2,091	64,746	3,531	3,285	920	3,517	836	6,802	1,240	71,548	3,715
Nonstocked	730	198	--	--	730	198	22	11	16	13	38	17	768	198
All forest types	327,315	9,043	38,581	2,201	365,896	9,083	105,297	6,396	15,273	1,697	120,570	6,490	486,466	10,652

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D8: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Live Trees Including Foliage (>= 1 inch) by Forest Type and Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	1,241	596	--	--	1,241	596	1,203	619	--	--	1,203	619	2,444	859
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	526	393	--	--	526	393	--	--	--	--	--	--	526	393
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	257	158	257	158	257	158
Pinyon / juniper	--	--	656	204	656	204	--	--	351	117	351	117	1,007	236
Ponderosa pine	430	242	--	--	430	242	565	263	123	124	688	291	1,118	379
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	295	176	--	--	295	176	--	--	--	--	--	--	295	176
Total	2,492	773	656	204	3,148	800	1,768	666	731	232	2,499	705	5,647	1,066
Hardwoods:														
Alder / maple	--	--	181	162	181	162	--	--	--	--	--	--	181	162
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	34	47	34	47	34	47
Tanoak / laurel	--	--	--	--	--	--	--	--	50	49	50	49	50	49
Western oak	1,114	436	4,267	803	5,381	927	580	300	985	401	1,565	498	6,945	1,051
Woodland hardwoods	--	--	417	166	417	166	--	--	68	49	68	49	486	173
Exotic hardwoods	3	3	--	--	3	3	--	--	--	--	--	--	3	3
Other hardwoods	--	--	89	55	89	55	--	--	--	--	--	--	89	55
Total	1,117	436	4,954	837	6,071	955	580	300	1,138	410	1,717	505	7,789	1,079
Nonstocked	10	10	--	--	10	10	5	5	--	--	5	5	16	12
All forest types	3,619	887	5,611	862	9,230	1,245	2,353	736	1,868	470	4,221	870	13,451	1,517

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D9: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	22,501	1,163	17	10	22,518	1,163	11,442	1,126	10	9	11,452	1,126	33,970	1,601
Douglas-fir	2,407	352	26	26	2,433	353	1,527	383	20	14	1,547	384	3,980	520
Fir / spruce / mountain hemlock	7,815	788	52	25	7,867	788	5,633	833	154	66	5,787	835	13,654	1,147
Western Hemlock / Sitka spruce	293	179	--	--	293	179	--	--	--	--	--	--	293	179
Lodgepole pine	933	205	208	130	1,141	242	1,784	314	529	122	2,314	332	3,455	410
Pinyon / juniper	12	12	310	56	321	57	4	6	150	29	154	30	475	64
Ponderosa pine	1,318	190	107	91	1,424	210	288	113	54	28	342	116	1,767	240
Redwood	2,253	417	--	--	2,253	417	1,001	413	--	--	1,001	413	3,254	586
Western white pine	162	87	--	--	162	87	300	96	94	62	395	115	557	144
Other western softwoods	232	79	276	83	508	114	275	93	493	123	768	153	1,276	191
Total	37,925	1,454	996	190	38,921	1,462	22,255	1,453	1,505	196	23,760	1,459	62,680	2,027
Hardwoods:														
Alder / maple	556	151	22	17	578	152	193	127	25	19	218	128	796	199
Aspen / birch	13	9	7	6	20	10	3	3	14	11	17	12	37	16
Elm / ash / cottonwood	--	--	18	15	18	15	--	--	13	12	13	12	31	19
Tanoak / laurel	3,371	481	193	90	3,565	489	1,821	532	349	185	2,170	563	5,735	745
Western oak	4,711	845	3,568	280	8,279	888	1,566	493	1,253	256	2,820	553	11,099	1,044
Woodland hardwoods	74	56	99	26	173	62	--	--	40	24	40	24	213	66
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	726	195	79	32	806	198	271	171	3	3	274	171	1,080	262
Total	9,451	999	3,988	297	13,439	1,038	3,853	750	1,699	316	5,552	810	18,991	1,313
Nonstocked	5,182	1,140	175	66	5,358	1,142	2,003	598	151	82	2,154	604	7,511	1,292
All forest types	52,558	1,983	5,158	357	57,717	1,999	28,112	1,657	3,354	380	31,466	1,674	89,182	2,556

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D10: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	5	3	--	--	5	3	--	--	--	--	--	--	5	3
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	10	4	10	4	--	--	--	--	--	--	10	4
Ponderosa pine	--	--	1	1	1	1	--	--	4	4	4	4	5	4
Redwood	351	127	--	--	351	127	110	71	--	--	110	71	460	145
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	55	38	--	--	55	38	--	--	--	--	--	--	55	38
Total	411	132	11	4	422	132	110	71	4	4	114	71	536	150
Hardwoods:														
Alder / maple	--	--	--	--	--	--	2	2	--	--	2	2	2	2
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	58	27	100	72	158	76	48	29	239	171	287	173	445	189
Western oak	12	11	553	96	565	97	11	11	442	201	453	201	1,019	223
Woodland hardwoods	--	--	--	--	--	--	--	--	21	21	21	21	21	21
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	86	59	8	6	94	59	31	34	3	3	34	34	128	68
Total	156	66	662	120	818	137	92	45	704	265	797	269	1,614	301
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	567	147	673	120	1,240	189	202	82	709	265	910	277	2,151	335

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D11: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	15	15	15	15	--	--	11	12	11	12	26	19
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	16	10	16	10	--	--	--	--	--	--	16	10
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	31	18	31	18	--	--	11	12	11	12	42	22
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	--	--	31	18	31	18	--	--	11	12	11	12	42	22

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D12: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	397	98	5	5	402	98	--	--	--	--	--	--	402	98
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	539	202	--	--	539	202	124	70	--	--	124	70	663	214
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	12	7	147	125	159	125	--	--	--	--	--	--	159	125
Pinyon / juniper	--	--	135	29	135	29	--	--	49	16	49	16	184	33
Ponderosa pine	156	50	1	1	157	50	17	11	--	--	17	11	174	51
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	34	24	122	36	157	43	--	--	93	41	93	41	250	60
Total	1,138	231	411	134	1,549	267	141	71	142	44	283	84	1,832	280
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	13	9	1	1	14	9	3	3	--	--	3	3	17	9
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	6	5	--	--	6	5	--	--	--	--	--	--	6	5
Woodland hardwoods	73	56	37	19	110	59	--	--	--	--	--	--	110	59
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	18	15	--	--	18	15	193	163	--	--	193	163	211	163
Total	110	59	38	19	148	62	196	163	--	--	196	163	344	174
Nonstocked	164	98	17	16	181	99	--	--	--	--	--	--	181	99
All forest types	1,412	258	466	136	1,878	291	336	178	142	44	478	184	2,356	344

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D13: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	8,185	720	8	8	8,193	720	4,776	824	--	--	4,776	824	12,969	1,094
Douglas-fir	1,162	276	26	26	1,188	277	989	301	20	14	1,009	302	2,197	409
Fir / spruce / mountain hemlock	740	231	27	18	767	231	1,501	464	21	20	1,522	464	2,289	518
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1	1	--	--	1	1	7	8	2	2	10	8	11	8
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	238	97	--	--	238	97	63	41	30	23	94	47	331	108
Redwood	90	66	--	--	90	66	126	82	--	--	126	82	217	105
Western white pine	52	46	--	--	52	46	53	27	5	4	57	28	109	54
Other western softwoods	21	17	23	11	44	20	1	1	--	--	1	1	45	20
Total	10,488	804	84	35	10,572	805	7,517	958	77	35	7,595	958	18,167	1,247
Hardwoods:														
Alder / maple	111	44	18	17	130	47	82	51	25	19	108	54	237	72
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	3	3	3	3	--	--	--	--	--	--	3	3
Tanoak / laurel	1,650	386	1	1	1,651	386	1,223	488	99	71	1,321	493	2,972	626
Western oak	2,598	766	900	130	3,498	776	771	405	296	89	1,067	415	4,565	879
Woodland hardwoods	--	--	--	--	--	--	--	--	4	4	4	4	4	4
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	487	177	1	1	488	177	44	40	--	--	44	40	532	182
Total	4,846	875	923	131	5,769	884	2,121	633	424	115	2,544	644	8,313	1,093
Nonstocked	1,404	694	10	10	1,414	694	1,308	508	--	--	1,308	508	2,722	860
All forest types	16,738	1,351	1,017	136	17,755	1,355	10,946	1,209	501	127	11,447	1,213	29,202	1,813

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D14: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	4	4	--	--	4	4	--	--	--	--	--	--	4	4
Douglas-fir	1,240	220	--	--	1,240	220	538	239	--	--	538	239	1,778	324
Fir / spruce / mountain hemlock	37	37	--	--	37	37	--	--	--	--	--	--	37	37
Western Hemlock / Sitka spruce	293	179	--	--	293	179	--	--	--	--	--	--	293	179
Lodgepole pine	--	--	--	--	--	--	8	8	--	--	8	8	8	8
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	1,812	393	--	--	1,812	393	765	400	--	--	765	400	2,578	560
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	55	51	--	--	55	51	--	--	8	9	8	9	64	52
Total	3,442	487	--	--	3,442	487	1,311	460	8	9	1,319	460	4,761	668
Hardwoods:														
Alder / maple	358	132	2	2	360	132	109	116	--	--	109	116	469	175
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	1,631	287	39	24	1,670	288	550	212	11	10	560	212	2,230	357
Western oak	143	54	62	22	205	58	--	--	2	2	2	2	207	58
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	57	28	--	--	57	28	3	3	--	--	3	3	60	28
Total	2,189	319	103	32	2,292	321	661	241	13	11	675	241	2,966	400
Nonstocked	14	10	--	--	14	10	--	--	--	--	--	--	14	10
All forest types	5,645	573	103	32	5,748	574	1,973	514	21	14	1,994	514	7,742	767

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D15: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	13,863	979	4	3	13,866	979	6,363	785	10	9	6,374	785	20,240	1,240
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	6,458	732	25	17	6,482	732	4,009	696	133	63	4,142	698	10,624	1,010
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	920	204	61	34	981	207	1,769	314	442	110	2,211	328	3,192	387
Pinyon / juniper	12	12	68	32	80	34	4	6	64	22	68	22	148	40
Ponderosa pine	893	153	105	91	997	178	188	104	20	15	209	105	1,206	207
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	111	74	--	--	111	74	248	92	90	62	337	111	448	133
Other western softwoods	31	17	131	74	161	76	274	93	392	116	665	147	826	166
Total	22,286	1,206	393	127	22,679	1,212	12,854	1,069	1,151	182	14,005	1,079	36,685	1,599
Hardwoods:														
Alder / maple	86	60	--	--	86	60	--	--	--	--	--	--	86	60
Aspen / birch	--	--	6	6	6	6	--	--	14	11	14	11	20	13
Elm / ash / cottonwood	--	--	1	1	1	1	--	--	--	--	--	--	1	1
Tanoak / laurel	33	15	53	49	86	52	--	--	--	--	--	--	86	52
Western oak	1,714	333	1,530	182	3,244	378	540	239	260	82	800	252	4,044	453
Woodland hardwoods	1	1	26	12	27	12	--	--	4	4	4	4	31	13
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	79	48	52	25	131	54	--	--	1	1	1	1	131	54
Total	1,912	342	1,668	190	3,581	390	540	239	279	82	819	253	4,400	463
Nonstocked	3,400	888	111	60	3,511	890	411	234	146	82	558	248	4,069	924
All forest types	27,599	1,492	2,172	236	29,771	1,505	13,806	1,110	1,577	214	15,382	1,123	45,153	1,848

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D16: Aboveground Carbon, Dry Weight (Regional Biomass Method) of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	51	28	--	--	51	28	302	189	--	--	302	189	354	191
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	41	37	--	--	41	37	--	--	--	--	--	--	41	37
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	86	54	86	54	86	54
Pinyon / juniper	--	--	97	37	97	37	--	--	36	11	36	11	133	39
Ponderosa pine	31	30	--	--	31	30	20	9	--	--	20	9	51	31
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	35	32	--	--	35	32	--	--	--	--	--	--	35	32
Total	159	64	97	37	256	74	322	190	122	56	444	198	700	211
Hardwoods:														
Alder / maple	--	--	2	2	2	2	--	--	--	--	--	--	2	2
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	1	2	1	2	1	2
Tanoak / laurel	--	--	--	--	--	--	--	--	1	1	1	1	1	1
Western oak	238	137	507	143	745	199	244	148	254	105	497	181	1,242	269
Woodland hardwoods	--	--	36	13	36	13	--	--	11	11	11	11	47	17
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	18	18	18	18	--	--	--	--	--	--	18	18
Total	238	137	563	145	801	200	244	148	267	105	511	182	1,311	270
Nonstocked	200	167	37	19	238	168	284	222	4	3	288	222	526	279
All forest types	597	225	697	150	1,294	271	849	323	393	119	1,242	343	2,536	437

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D17: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	4,269.4971	142.8511	16.7495	7.6316	4,286.2467	142.9797	832.5795	53.9092	4.5507	3.8788	837.1302	54.0107	5,123.3769	151.0066
Douglas-fir	947.6818	74.9849	6.1417	6.1972	953.8236	75.2250	218.9264	36.7263	39.0579	17.6245	257.9843	40.7207	1,211.8079	85.1757
Fir / spruce / mountain hemlock	1,002.8738	63.3990	34.2512	15.0492	1,037.1249	64.9636	424.5468	43.1469	46.6794	15.0580	471.2262	45.3853	1,508.3511	79.0459
Western Hemlock / Sitka spruce	40.2131	16.6115	--	--	40.2131	16.6115	1.8383	1.8366	--	--	1.8383	1.8366	42.0513	16.7075
Lodgepole pine	233.4749	39.9554	21.9961	8.1049	255.4709	40.7141	260.8472	34.2080	199.2188	38.1456	460.0660	50.2657	715.5370	64.5480
Pinyon / juniper	17.0837	12.2350	1,647.9136	119.0578	1,664.9973	119.6644	5.1514	7.9470	810.5735	87.8918	815.7249	88.2503	2,480.7223	146.5685
Ponderosa pine	2,097.3731	127.4393	79.6858	32.5333	2,177.0589	131.2183	152.0991	26.4750	31.7380	13.3122	183.8372	29.4597	2,360.8961	134.3266
Redwood	586.8589	55.3905	--	--	586.8589	55.3905	119.7620	29.6172	--	--	119.7620	29.6172	706.6209	62.3727
Western white pine	24.2914	11.9316	--	--	24.2914	11.9316	68.4485	20.5070	59.5092	25.8616	127.9576	32.9754	152.2490	35.0668
Other western softwoods	328.4468	54.9244	3,260.6625	235.9205	3,589.1093	241.1682	135.9166	33.7930	503.6611	76.7609	639.5777	83.2126	4,228.6870	253.7896
Total	9,547.7946	200.8743	5,067.4004	258.8506	14,615.1950	317.6876	2,220.1158	89.7144	1,694.9887	123.6920	3,915.1045	145.7587	18,530.2995	339.3504
Hardwoods:														
Alder / maple	235.7641	42.8241	35.7869	13.0172	271.5510	44.7359	50.2311	20.8753	17.6432	13.4249	67.8743	24.8194	339.4253	51.1455
Aspen / birch	25.1885	12.8570	38.6140	17.3723	63.8025	21.5984	1.6111	1.7942	45.0352	19.3238	46.6464	19.4069	110.4489	29.0365
Elm / ash / cottonwood	--	--	35.4809	14.5750	35.4809	14.5750	0.9675	0.9588	12.2302	8.8360	13.1977	8.8879	48.6786	17.0701
Tanoak / laurel	1,855.4830	119.9465	228.8220	43.3299	2,084.3050	126.5082	451.1720	62.8588	143.7902	36.3114	594.9622	72.1523	2,679.2672	144.5078
Western oak	2,940.9087	154.8553	8,626.9522	234.0696	11,567.8609	270.2517	429.9098	61.7540	1,336.4313	103.3667	1,766.3411	118.2426	13,334.2020	290.2938
Woodland hardwoods	42.5054	19.4118	265.6168	47.8614	308.1222	51.5774	--	--	53.1783	19.3181	53.1783	19.3181	361.3006	55.0710
Exotic hardwoods	3.8095	3.7809	4.4446	3.7332	8.2541	5.3134	--	--	--	--	--	--	8.2541	5.3134
Other hardwoods	442.6850	60.5979	243.8373	45.8971	686.5223	75.8617	107.6428	33.5375	41.6071	19.7617	149.2500	38.7671	835.7722	85.1578
Total	5,546.3441	199.4985	9,479.5548	243.9277	15,025.8989	296.5139	1,041.5344	94.5315	1,649.9157	114.5960	2,691.4500	143.8372	17,717.3489	321.5013
Nonstocked	1,038.2703	93.1996	265.9097	48.1427	1,304.1800	104.3813	260.6067	50.2579	116.2978	32.2521	376.9045	59.5425	1,681.0846	120.1308
All forest types	16,132.4090	242.4574	14,812.8649	341.5644	30,945.2739	371.2237	3,522.2569	124.8285	3,461.2021	166.7893	6,983.4591	189.2504	37,928.7330	387.3823

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D18: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	14.9660	9.4739	--	--	14.9660	9.4739	--	--	--	--	--	--	14.9660	9.4739
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	152.2127	37.7276	152.2127	37.7276	--	--	27.4482	16.3041	27.4482	16.3041	179.6610	41.0967
Ponderosa pine	--	--	28.8103	20.5378	28.8103	20.5378	--	--	2.9967	2.9331	2.9967	2.9331	31.8070	20.7462
Redwood	86.0362	20.6058	--	--	86.0362	20.6058	36.7537	13.6974	--	--	36.7537	13.6974	122.7899	24.9482
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	15.2616	11.5800	--	--	15.2616	11.5800	--	--	--	--	--	--	15.2616	11.5800
Total	116.2637	25.4071	181.0231	42.9399	297.2868	49.8934	36.7537	13.6974	30.4449	16.5659	67.1986	21.4953	364.4854	54.4182
Hardwoods:														
Alder / maple	--	--	7.4431	5.5919	7.4431	5.5919	6.9755	7.7679	--	--	6.9755	7.7679	14.4186	9.5713
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	6.1621	3.6972	6.1621	3.6972	--	--	0.5960	0.8129	0.5960	0.8129	6.7582	3.7855
Tanoak / laurel	51.5311	20.1133	97.7252	27.5188	149.2562	33.9966	34.3824	17.6042	57.0366	21.8376	91.4191	28.0497	240.6753	44.0684
Western oak	25.2292	14.2887	1,423.8368	103.9178	1,449.0660	104.8901	19.0833	13.2092	460.0469	59.1660	479.1301	59.6371	1,928.1962	119.7814
Woodland hardwoods	--	--	--	--	--	--	--	--	5.0301	3.5485	5.0301	3.5485	5.0301	3.5485
Exotic hardwoods	--	--	4.4446	3.7332	4.4446	3.7332	--	--	--	--	--	--	4.4446	3.7332
Other hardwoods	25.2201	13.9460	32.2122	15.9415	57.4323	20.8446	36.7678	19.7518	26.2728	16.2257	63.0405	25.3181	120.4729	32.7107
Total	101.9804	28.3036	1,571.8241	109.1621	1,673.8045	112.4412	97.2089	29.8992	548.9824	65.7566	646.1913	70.0594	2,319.9959	131.3158
Nonstocked	--	--	7.8203	7.7780	7.8203	7.7780	--	--	4.0000	3.4041	4.0000	3.4041	11.8203	8.4903
All forest types	218.2442	37.9979	1,760.6675	117.4637	1,978.9116	123.0635	133.9626	32.2972	583.4273	68.0672	717.3899	72.9649	2,696.3016	141.8439

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D19: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	10.6969	9.2337	10.6969	9.2337	--	--	7.5673	6.8737	7.5673	6.8737	18.2642	11.5112
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	115.7558	29.4052	115.7558	29.4052	--	--	0.8355	0.8409	0.8355	0.8409	116.5913	29.4173
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	0.1125	0.1153	--	--	0.1125	0.1153	--	--	--	--	--	--	0.1125	0.1153
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.1125	0.1153	126.4527	30.8171	126.5652	30.8173	--	--	8.4028	6.9249	8.4028	6.9249	134.9680	31.5858
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	0.1125	0.1153	126.4527	30.8171	126.5652	30.8173	--	--	8.4028	6.9249	8.4028	6.9249	134.9680	31.5858

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D20: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	198.4400	30.7671	5.2093	3.7738	203.6492	30.9815	--	--	--	--	--	--	203.6492	30.9815
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	71.8905	18.6532	--	--	71.8905	18.6532	17.7028	8.5201	--	--	17.7028	8.5201	89.5934	20.5070
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	16.0971	8.7639	8.1906	4.8379	24.2877	10.0105	--	--	--	--	--	--	24.2877	10.0105
Pinyon / juniper	9.7479	9.7441	744.3872	82.2655	754.1351	82.8209	--	--	266.4386	51.7715	266.4386	51.7715	1,020.5737	96.2882
Ponderosa pine	437.4325	68.5271	4.7276	3.5492	442.1601	68.5990	15.3477	8.1817	--	--	15.3477	8.1817	457.5078	69.0728
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	174.2383	44.6040	2,336.4526	203.2187	2,510.6909	207.5537	--	--	69.6787	31.1535	69.6787	31.1535	2,580.3696	209.8278
Total	907.8463	89.8789	3,098.9673	216.5602	4,006.8135	233.4522	33.0505	11.8124	336.1173	60.6819	369.1678	61.7193	4,375.9814	240.2119
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	0.0783	0.0809	0.0783	0.0809	0.0783	0.0809
Aspen / birch	16.8593	11.4081	29.1914	16.3755	46.0507	19.9473	1.6111	1.7942	0.1646	0.1702	1.7757	1.8022	47.8264	20.0286
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	10.8217	9.3936	20.1032	13.7559	30.9249	16.6572	--	--	--	--	--	--	30.9249	16.6572
Woodland hardwoods	33.4208	17.1130	51.8426	21.3467	85.2634	27.3416	--	--	--	--	--	--	85.2634	27.3416
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	35.7210	18.0719	6.3765	6.4064	42.0975	19.1738	16.8273	14.1887	--	--	16.8273	14.1887	58.9248	23.8527
Total	96.8229	28.9172	107.5136	30.7885	204.3365	42.2076	18.4384	14.3017	0.2428	0.1878	18.6812	14.3029	223.0177	44.5652
Nonstocked	173.7246	39.0616	86.8769	27.9404	260.6015	48.0017	--	--	8.0626	8.1791	8.0626	8.1791	268.6640	48.6935
All forest types	1,178.3937	102.8536	3,293.3578	219.9550	4,471.7515	241.2734	51.4889	18.9060	344.4227	61.4652	395.9117	64.1841	4,867.6631	248.2784

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D21: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	1,304.5339	78.1192	7.8687	5.9199	1,312.4027	78.3725	306.4261	32.5605	--	--	306.4261	32.5605	1,618.8288	84.6476
Douglas-fir	349.0140	45.5264	6.1417	6.1972	355.1558	45.9239	131.1116	27.7542	39.0579	17.6245	170.1695	32.8580	525.3252	56.3253
Fir / spruce / mountain hemlock	111.0328	24.4603	14.0150	8.7737	125.0478	25.9452	131.7107	26.1907	9.5720	6.9232	141.2827	26.9962	266.3305	37.4426
Western Hemlock / Sitka spruce	--	--	--	--	--	--	1.8383	1.8366	--	--	1.8383	1.8366	1.8383	1.8366
Lodgepole pine	5.1208	4.9164	--	--	5.1208	4.9164	19.0294	13.5029	6.2386	6.3654	25.2680	14.9281	30.3888	15.7168
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	162.1710	30.6353	--	--	162.1710	30.6353	18.3169	7.0461	6.4211	4.3004	24.7380	8.2547	186.9090	31.6964
Redwood	11.5470	8.0732	--	--	11.5470	8.0732	21.1314	12.7037	--	--	21.1314	12.7037	32.6784	15.0519
Western white pine	7.5101	5.8095	--	--	7.5101	5.8095	37.5867	18.0085	32.9501	22.9682	70.5369	29.1601	78.0470	29.7332
Other western softwoods	15.4480	11.6081	113.5116	39.2388	128.9595	40.9198	4.6930	4.1338	8.8405	9.0369	13.5335	9.9375	142.4930	42.0657
Total	1,966.3776	98.2613	141.5370	41.1109	2,107.9147	106.3106	671.8441	53.6159	103.0803	32.5807	774.9243	62.4917	2,882.8390	122.0396
Hardwoods:														
Alder / maple	89.9324	26.5041	11.0648	6.9723	100.9972	27.4058	31.8507	16.8440	17.5650	13.4247	49.4157	21.5393	150.4129	34.8571
Aspen / birch	--	--	--	--	--	--	--	--	6.9481	7.0862	6.9481	7.0862	6.9481	7.0862
Elm / ash / cottonwood	--	--	3.6342	3.5724	3.6342	3.5724	0.9675	0.9588	--	--	0.9675	0.9588	4.6017	3.6989
Tanoak / laurel	604.2347	70.8711	23.6808	13.5569	627.9155	72.0930	256.1397	47.2440	43.3955	20.5246	299.5353	51.3981	927.4508	88.1359
Western oak	1,362.2360	107.6109	2,413.4905	139.0983	3,775.7266	174.0681	203.0265	43.4904	368.3233	57.2819	571.3498	71.6438	4,347.0763	187.3725
Woodland hardwoods	--	--	3.4538	2.0439	3.4538	2.0439	--	--	10.6206	8.8557	10.6206	8.8557	14.0744	9.0885
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	181.2001	39.3756	6.0889	3.3870	187.2890	39.5209	35.1842	18.8635	8.6640	8.6382	43.8482	20.7473	231.1372	44.6357
Total	2,237.6032	135.0419	2,461.4131	139.8119	4,699.0163	191.8613	527.1685	68.0273	455.5165	63.5505	982.6850	92.1946	5,681.7014	211.1867
Nonstocked	179.3844	39.0586	19.2017	12.2693	198.5862	40.9404	133.4815	35.8889	--	--	133.4815	35.8889	332.0676	54.4438
All forest types	4,383.3653	166.1550	2,622.1519	146.1253	7,005.5172	217.0120	1,332.4941	88.4859	558.5968	71.3768	1,891.0908	110.9762	8,896.6080	239.7280

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D22: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	2.3540	2.1984	--	--	2.3540	2.1984	--	--	--	--	--	--	2.3540	2.1984
Douglas-fir	583.7018	60.1804	--	--	583.7018	60.1804	87.8149	24.4076	--	--	87.8149	24.4076	671.5166	64.6691
Fir / spruce / mountain hemlock	6.2268	4.1907	--	--	6.2268	4.1907	--	--	--	--	--	--	6.2268	4.1907
Western Hemlock / Sitka spruce	40.2131	16.6115	--	--	40.2131	16.6115	--	--	--	--	--	--	40.2131	16.6115
Lodgepole pine	--	--	--	--	--	--	4.5075	4.6117	--	--	4.5075	4.6117	4.5075	4.6117
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	484.9312	51.4051	--	--	484.9312	51.4051	61.8770	23.5632	--	--	61.8770	23.5632	546.8081	56.0967
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	6.6462	4.2866	--	--	6.6462	4.2866	1.2404	1.5442	24.2884	19.8536	25.5288	19.9136	32.1749	20.3697
Total	1,124.0730	79.0923	--	--	1,124.0730	79.0923	155.4398	33.3024	24.2884	19.8536	179.7281	38.7713	1,303.8011	87.0329
Hardwoods:														
Alder / maple	111.9919	29.6772	9.3214	7.6609	121.3132	30.6410	11.4049	9.5769	--	--	11.4049	9.5769	132.7181	32.0969
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	1,114.7744	95.1488	66.6228	23.9110	1,181.3972	97.7399	160.6499	37.9503	32.8824	17.7301	193.5323	41.6815	1,374.9295	105.5614
Western oak	179.8620	39.5999	253.4504	42.5697	433.3125	58.4898	--	--	30.0652	14.8171	30.0652	14.8171	463.3777	60.7984
Woodland hardwoods	--	--	--	--	--	--	--	--	1.9711	1.7877	1.9711	1.7877	1.9711	1.7877
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	74.6329	24.1576	2.4692	2.3473	77.1020	24.2714	18.8636	13.7250	--	--	18.8636	13.7250	95.9657	27.8832
Total	1,481.2612	108.1659	331.8638	49.3720	1,813.1250	118.0801	190.9184	41.2768	64.9187	23.1748	255.8371	46.9531	2,068.9620	126.3896
Nonstocked	18.5205	10.6775	--	--	18.5205	10.6775	--	--	--	--	--	--	18.5205	10.6775
All forest types	2,623.8547	127.3028	331.8638	49.3720	2,955.7185	135.2427	346.3581	50.8687	89.2071	30.5162	435.5652	58.8450	3,391.2837	145.2607

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D23: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	2,738.6602	125.7583	3.6716	2.9924	2,742.3317	125.7836	497.9251	43.6038	4.5507	3.8788	502.4758	43.7292	3,244.8076	131.8870
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	806.9187	56.1832	20.2361	12.2270	827.1548	57.4039	275.1332	34.4760	37.1074	13.3721	312.2407	36.9045	1,139.3955	68.0388
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	212.2570	38.7233	13.8054	6.5027	226.0625	39.2452	237.3103	31.1680	182.7974	37.2132	420.1077	47.5706	646.1701	61.5340
Pinyon / juniper	7.3359	7.3991	347.1548	57.4128	354.4907	57.8876	5.1514	7.9470	228.2420	47.7251	233.3935	48.3822	587.8841	75.2139
Ponderosa pine	1,479.6152	106.3267	46.1479	24.9804	1,525.7632	109.0013	93.3984	21.0236	20.0190	12.0336	113.4174	24.1401	1,639.1806	111.6084
Redwood	4.3445	3.9814	--	--	4.3445	3.9814	--	--	--	--	--	--	4.3445	3.9814
Western white pine	16.7813	10.4217	--	--	16.7813	10.4217	30.8617	9.8315	26.5590	11.8862	57.4208	15.4108	74.2021	18.6039
Other western softwoods	101.0017	25.9100	810.6983	118.5222	911.7000	121.1371	129.9832	33.5037	396.4008	66.6702	526.3840	73.8977	1,438.0840	141.6911
Total	5,366.9145	169.4137	1,241.7142	133.9878	6,608.6287	212.4617	1,269.7634	70.9506	895.6764	89.6745	2,165.4398	109.5810	8,774.0686	236.1749
Hardwoods:														
Alder / maple	33.8398	16.5229	--	--	33.8398	16.5229	--	--	--	--	--	--	33.8398	16.5229
Aspen / birch	8.3292	5.9295	9.4226	5.8240	17.7518	8.3114	--	--	37.9226	17.9776	37.9226	17.9776	55.6744	19.8059
Elm / ash / cottonwood	--	--	14.8641	10.0362	14.8641	10.0362	--	--	--	--	--	--	14.8641	10.0362
Tanoak / laurel	84.9428	26.2000	40.7932	19.3735	125.7360	32.5680	--	--	--	--	--	--	125.7360	32.5680
Western oak	1,276.2132	104.4493	3,918.0747	171.5495	5,194.2879	197.0306	145.1279	34.2849	327.0997	54.5957	472.2275	64.6723	5,666.5154	206.0194
Woodland hardwoods	9.0847	9.1630	83.7336	26.9327	92.8183	28.4244	--	--	21.2064	13.0854	21.2064	13.0854	114.0247	31.2918
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	125.9108	32.3322	136.3770	34.7014	262.2878	47.4217	--	--	6.6704	7.2547	6.6704	7.2547	268.9582	47.9681
Total	1,538.3205	113.4988	4,203.2652	176.9560	5,741.5856	206.0455	145.1279	34.2849	392.8990	59.2834	538.0269	68.6756	6,279.6125	215.8147
Nonstocked	628.4344	73.4236	97.6548	29.3907	726.0892	78.8297	95.4695	30.9840	74.0902	26.2751	169.5597	40.5486	895.6489	88.6235
All forest types	7,533.6693	204.3909	5,542.6342	220.4341	13,076.3036	287.1666	1,510.3608	82.0563	1,362.6656	109.9346	2,873.0264	131.1318	15,949.3300	309.0123

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D24: Aboveground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	25.5091	11.7097	--	--	25.5091	11.7097	28.2283	13.8862	--	--	28.2283	13.8862	53.7373	18.1643
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	6.8049	4.9725	--	--	6.8049	4.9725	--	--	--	--	--	--	6.8049	4.9725
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	10.1828	6.2248	10.1828	6.2248	10.1828	6.2248
Pinyon / juniper	--	--	404.1588	61.9001	404.1588	61.9001	--	--	288.4446	53.9957	288.4446	53.9957	692.6035	82.0188
Ponderosa pine	18.1543	11.1478	--	--	18.1543	11.1478	25.0361	12.4291	2.3012	2.3047	27.3373	12.6410	45.4917	16.8543
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	15.8511	9.0645	--	--	15.8511	9.0645	--	--	4.4527	5.5430	4.4527	5.5430	20.3039	10.6250
Total	66.3195	19.1664	404.1588	61.9001	470.4783	64.7160	53.2644	18.5114	305.3814	54.6306	358.6458	57.6817	829.1241	86.5600
Hardwoods:														
Alder / maple	--	--	7.9576	5.5566	7.9576	5.5566	--	--	--	--	--	--	7.9576	5.5566
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	0.1235	0.1172	0.1235	0.1172	--	--	4.0669	5.5469	4.0669	5.5469	4.1904	5.5482
Tanoak / laurel	--	--	--	--	--	--	--	--	10.4756	10.2967	10.4756	10.2967	10.4756	10.2967
Western oak	86.5465	27.0337	482.2408	61.7203	568.7872	67.9959	62.6722	24.8911	150.0607	38.7946	212.7329	45.5290	781.5202	81.4402
Woodland hardwoods	--	--	126.5868	33.3336	126.5868	33.3336	--	--	14.3502	10.3803	14.3502	10.3803	140.9370	34.9060
Exotic hardwoods	3.6970	3.7791	--	--	3.6970	3.7791	--	--	--	--	--	--	3.6970	3.7791
Other hardwoods	--	--	60.3136	24.2981	60.3136	24.2981	--	--	--	--	--	--	60.3136	24.2981
Total	90.2435	27.2965	677.2222	74.2663	767.4657	79.6074	62.6722	24.8911	178.9534	41.8278	241.6257	48.1397	1,009.0913	92.6069
Nonstocked	38.2064	18.8822	54.3559	21.8199	92.5624	28.8209	31.6557	17.6114	30.1450	16.4931	61.8007	24.1285	154.3631	37.5876
All forest types	194.7694	38.1736	1,135.7370	99.1875	1,330.5063	106.4979	147.5923	35.2593	514.4799	70.3339	662.0722	77.9430	1,992.5785	131.2857

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D25: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	474.3885	15.8723	1.8611	0.8480	476.2495	15.8866	92.5088	5.9899	0.5056	0.4310	93.0144	6.0012	569.2640	16.7785
Douglas-fir	105.2980	8.3317	0.6824	0.6886	105.9804	8.3583	24.3252	4.0807	4.3398	1.9583	28.6649	4.5245	134.6453	9.4640
Fir / spruce / mountain hemlock	111.4304	7.0443	3.8057	1.6721	115.2361	7.2182	47.1719	4.7941	5.1866	1.6731	52.3585	5.0428	167.5946	8.7829
Western Hemlock / Sitka spruce	4.4681	1.8457	--	--	4.4681	1.8457	0.2043	0.2041	--	--	0.2043	0.2041	4.6724	1.8564
Lodgepole pine	25.9417	4.4395	2.4440	0.9005	28.3857	4.5238	28.9830	3.8009	22.1354	4.2384	51.1184	5.5851	79.5041	7.1720
Pinyon / juniper	1.8982	1.3594	183.1012	13.2286	184.9994	13.2960	0.5724	0.8830	90.0636	9.7657	90.6359	9.8056	275.6353	16.2854
Ponderosa pine	233.0414	14.1599	8.8540	3.6148	241.8954	14.5798	16.8999	2.9417	3.5264	1.4791	20.4264	3.2733	262.3218	14.9252
Redwood	65.2066	6.1545	--	--	65.2066	6.1545	13.3069	3.2908	--	--	13.3069	3.2908	78.5135	6.9303
Western white pine	2.6990	1.3257	--	--	2.6990	1.3257	7.6054	2.2786	6.6121	2.8735	14.2175	3.6639	16.9166	3.8963
Other western softwoods	36.4941	6.1027	362.2958	26.2134	398.7899	26.7965	15.1019	3.7548	55.9623	8.5290	71.0642	9.2458	469.8541	28.1988
Total	1,060.8660	22.3194	563.0442	28.7612	1,623.9101	35.2986	246.6795	9.9683	188.3319	13.7435	435.0114	16.1954	2,058.9215	37.7056
Hardwoods:														
Alder / maple	26.1960	4.7582	3.9763	1.4464	30.1723	4.9707	5.5812	2.3195	1.9604	1.4917	7.5416	2.7577	37.7139	5.6828
Aspen / birch	2.7987	1.4286	4.2904	1.9303	7.0892	2.3998	0.1790	0.1994	5.0039	2.1471	5.1829	2.1563	12.2721	3.2263
Elm / ash / cottonwood	--	--	3.9423	1.6194	3.9423	1.6194	0.1075	0.1065	1.3589	0.9818	1.4664	0.9875	5.4087	1.8967
Tanoak / laurel	206.1648	13.3274	25.4247	4.8144	231.5895	14.0565	50.1302	6.9843	15.9767	4.0346	66.1069	8.0169	297.6964	16.0564
Western oak	326.7676	17.2061	958.5502	26.0077	1,285.3178	30.0280	47.7677	6.8616	148.4924	11.4852	196.2601	13.1381	1,481.5779	32.2549
Woodland hardwoods	4.7228	2.1569	29.5130	5.3179	34.2358	5.7308	--	--	5.9087	2.1465	5.9087	2.1465	40.1445	6.1190
Exotic hardwoods	0.4233	0.4201	0.4938	0.4148	0.9171	0.5904	--	--	--	--	--	--	0.9171	0.5904
Other hardwoods	49.1872	6.7331	27.0930	5.0997	76.2802	8.4291	11.9603	3.7264	4.6230	2.1957	16.5833	4.3074	92.8636	9.4620
Total	616.2604	22.1665	1,053.2837	27.1031	1,669.5442	32.9460	115.7260	10.5035	183.3240	12.7329	299.0500	15.9819	1,968.5942	35.7224
Nonstocked	115.3632	10.3555	29.5455	5.3492	144.9086	11.5979	28.9563	5.5842	12.9220	3.5836	41.8782	6.6158	186.7869	13.3478
All forest types	1,792.4896	26.9397	1,645.8734	37.9516	3,438.3630	41.2471	391.3617	13.8698	384.5778	18.5321	775.9396	21.0278	4,214.3025	43.0425

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D26: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	1.6629	1.0527	--	--	1.6629	1.0527	--	--	--	--	--	--	1.6629	1.0527
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	16.9125	4.1920	16.9125	4.1920	--	--	3.0498	1.8116	3.0498	1.8116	19.9623	4.5663
Ponderosa pine	--	--	3.2011	2.2820	3.2011	2.2820	--	--	0.3330	0.3259	0.3330	0.3259	3.5341	2.3051
Redwood	9.5596	2.2895	--	--	9.5596	2.2895	4.0837	1.5219	--	--	4.0837	1.5219	13.6433	2.7720
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	1.6957	1.2867	--	--	1.6957	1.2867	--	--	--	--	--	--	1.6957	1.2867
Total	12.9182	2.8230	20.1136	4.7711	33.0318	5.5437	4.0837	1.5219	3.3828	1.8406	7.4665	2.3884	40.4983	6.0465
Hardwoods:														
Alder / maple	--	--	0.8270	0.6213	0.8270	0.6213	0.7751	0.8631	--	--	0.7751	0.8631	1.6021	1.0635
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	0.6847	0.4108	0.6847	0.4108	--	--	0.0662	0.0903	0.0662	0.0903	0.7509	0.4206
Tanoak / laurel	5.7257	2.2348	10.8583	3.0576	16.5840	3.7774	3.8203	1.9560	6.3374	2.4264	10.1577	3.1166	26.7417	4.8965
Western oak	2.8032	1.5876	158.2041	11.5464	161.0073	11.6545	2.1204	1.4677	51.1163	6.5740	53.2367	6.6263	214.2440	13.3091
Woodland hardwoods	--	--	--	--	--	--	--	--	0.5589	0.3943	0.5589	0.3943	0.5589	0.3943
Exotic hardwoods	--	--	0.4938	0.4148	0.4938	0.4148	--	--	--	--	--	--	0.4938	0.4148
Other hardwoods	2.8022	1.5496	3.5791	1.7713	6.3814	2.3161	4.0853	2.1946	2.9192	1.8029	7.0045	2.8131	13.3859	3.6345
Total	11.3312	3.1448	174.6471	12.1291	185.9783	12.4935	10.8010	3.3221	60.9981	7.3063	71.7991	7.7844	257.7773	14.5906
Nonstocked	--	--	0.8689	0.8642	0.8689	0.8642	--	--	0.4444	0.3782	0.4444	0.3782	1.3134	0.9434
All forest types	24.2494	4.2220	195.6297	13.0515	219.8790	13.6737	14.8847	3.5886	64.8253	7.5630	79.7100	8.1072	299.5890	15.7604

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D27: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	1.1885	1.0260	1.1885	1.0260	--	--	0.8408	0.7637	0.8408	0.7637	2.0294	1.2790
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	12.8618	3.2672	12.8618	3.2672	--	--	0.0928	0.0934	0.0928	0.0934	12.9546	3.2686
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	0.0125	0.0128	--	--	0.0125	0.0128	--	--	--	--	--	--	0.0125	0.0128
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.0125	0.0128	14.0503	3.4241	14.0628	3.4241	--	--	0.9336	0.7694	0.9336	0.7694	14.9964	3.5095
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	0.0125	0.0128	14.0503	3.4241	14.0628	3.4241	--	--	0.9336	0.7694	0.9336	0.7694	14.9964	3.5095

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D28: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	22.0489	3.4186	0.5788	0.4193	22.6277	3.4424	--	--	--	--	--	--	22.6277	3.4424
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	7.9878	2.0726	--	--	7.9878	2.0726	1.9670	0.9467	--	--	1.9670	0.9467	9.9548	2.2785
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1.7886	0.9738	0.9101	0.5375	2.6986	1.1123	--	--	--	--	--	--	2.6986	1.1123
Pinyon / juniper	1.0831	1.0827	82.7096	9.1406	83.7926	9.2023	--	--	29.6042	5.7524	29.6042	5.7524	113.3969	10.6987
Ponderosa pine	48.6036	7.6141	0.5253	0.3944	49.1289	7.6221	1.7053	0.9091	--	--	1.7053	0.9091	50.8342	7.6748
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	19.3598	4.9560	259.6058	22.5798	278.9656	23.0615	--	--	7.7421	3.4615	7.7421	3.4615	286.7077	23.3142
Total	100.8718	9.9865	344.3295	24.0622	445.2013	25.9391	3.6723	1.3125	37.3463	6.7424	41.0186	6.8577	486.2199	26.6902
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	0.0087	0.0090	0.0087	0.0090	0.0087	0.0090
Aspen / birch	1.8733	1.2676	3.2435	1.8195	5.1167	2.2164	0.1790	0.1994	0.0183	0.0189	0.1973	0.2002	5.3140	2.2254
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	1.2024	1.0437	2.2337	1.5284	3.4361	1.8508	--	--	--	--	--	--	3.4361	1.8508
Woodland hardwoods	3.7134	1.9014	5.7603	2.3719	9.4737	3.0380	--	--	--	--	--	--	9.4737	3.0380
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	3.9690	2.0080	0.7085	0.7118	4.6775	2.1304	1.8697	1.5765	--	--	1.8697	1.5765	6.5472	2.6503
Total	10.7581	3.2130	11.9460	3.4209	22.7040	4.6897	2.0487	1.5891	0.0270	0.0209	2.0757	1.5892	24.7797	4.9517
Nonstocked	19.3027	4.3402	9.6530	3.1045	28.9557	5.3335	--	--	0.8958	0.9088	0.8958	0.9088	29.8515	5.4104
All forest types	130.9326	11.4282	365.9285	24.4394	496.8610	26.8081	5.7210	2.1007	38.2691	6.8295	43.9901	7.1316	540.8512	27.5865

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D29: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	144.9482	8.6799	0.8743	0.6578	145.8225	8.7081	34.0473	3.6178	--	--	34.0473	3.6178	179.8698	9.4053
Douglas-fir	38.7793	5.0585	0.6824	0.6886	39.4617	5.1027	14.5680	3.0838	4.3398	1.9583	18.9077	3.6509	58.3695	6.2584
Fir / spruce / mountain hemlock	12.3370	2.7178	1.5572	0.9749	13.8942	2.8828	14.6345	2.9101	1.0636	0.7692	15.6981	2.9996	29.5923	4.1603
Western Hemlock / Sitka spruce	--	--	--	--	--	--	0.2043	0.2041	--	--	0.2043	0.2041	0.2043	0.2041
Lodgepole pine	0.5690	0.5463	--	--	0.5690	0.5463	2.1144	1.5003	0.6932	0.7073	2.8076	1.6587	3.3765	1.7463
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	18.0190	3.4039	--	--	18.0190	3.4039	2.0352	0.7829	0.7135	0.4778	2.7487	0.9172	20.7677	3.5218
Redwood	1.2830	0.8970	--	--	1.2830	0.8970	2.3479	1.4115	--	--	2.3479	1.4115	3.6309	1.6724
Western white pine	0.8345	0.6455	--	--	0.8345	0.6455	4.1763	2.0009	3.6611	2.5520	7.8374	3.2400	8.6719	3.3037
Other western softwoods	1.7164	1.2898	12.6124	4.3599	14.3288	4.5466	0.5214	0.4593	0.9823	1.0041	1.5037	1.1042	15.8326	4.6740
Total	218.4864	10.9179	15.7263	4.5679	234.2127	11.8123	74.6493	5.9573	11.4534	3.6201	86.1027	6.9435	320.3154	13.5600
Hardwoods:														
Alder / maple	9.9925	2.9449	1.2294	0.7747	11.2219	3.0451	3.5390	1.8716	1.9517	1.4916	5.4906	2.3933	16.7125	3.8730
Aspen / birch	--	--	--	--	--	--	--	--	0.7720	0.7874	0.7720	0.7874	0.7720	0.7874
Elm / ash / cottonwood	--	--	0.4038	0.3969	0.4038	0.3969	0.1075	0.1065	--	--	0.1075	0.1065	0.5113	0.4110
Tanoak / laurel	67.1372	7.8746	2.6312	1.5063	69.7684	8.0103	28.4600	5.2493	4.8217	2.2805	33.2817	5.7109	103.0501	9.7929
Western oak	151.3596	11.9568	268.1656	15.4554	419.5252	19.3409	22.5585	4.8323	40.9248	6.3647	63.4833	7.9604	483.0085	20.8192
Woodland hardwoods	--	--	0.3838	0.2271	0.3838	0.2271	--	--	1.1801	0.9840	1.1801	0.9840	1.5638	1.0098
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	20.1333	4.3751	0.6765	0.3763	20.8099	4.3912	3.9093	2.0959	0.9627	0.9598	4.8720	2.3053	25.6819	4.9595
Total	248.6226	15.0047	273.4904	15.5347	522.1129	21.3179	58.5743	7.5586	50.6129	7.0612	109.1872	10.2438	631.3001	23.4652
Nonstocked	19.9316	4.3398	2.1335	1.3633	22.0651	4.5489	14.8312	3.9877	--	--	14.8312	3.9877	36.8963	6.0493
All forest types	487.0405	18.4617	291.3502	16.2361	778.3907	24.1124	148.0548	9.8318	62.0663	7.9308	210.1211	12.3307	988.5119	26.6364

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D30: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	0.2616	0.2443	--	--	0.2616	0.2443	--	--	--	--	--	--	0.2616	0.2443
Douglas-fir	64.8558	6.6867	--	--	64.8558	6.6867	9.7572	2.7120	--	--	9.7572	2.7120	74.6130	7.1855
Fir / spruce / mountain hemlock	0.6919	0.4656	--	--	0.6919	0.4656	--	--	--	--	--	--	0.6919	0.4656
Western Hemlock / Sitka spruce	4.4681	1.8457	--	--	4.4681	1.8457	--	--	--	--	--	--	4.4681	1.8457
Lodgepole pine	--	--	--	--	--	--	0.5008	0.5124	--	--	0.5008	0.5124	0.5008	0.5124
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	53.8813	5.7117	--	--	53.8813	5.7117	6.8752	2.6181	--	--	6.8752	2.6181	60.7565	6.2330
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	0.7385	0.4763	--	--	0.7385	0.4763	0.1378	0.1716	2.6987	2.2060	2.8365	2.2126	3.5750	2.2633
Total	124.8970	8.7880	--	--	124.8970	8.7880	17.2711	3.7003	2.6987	2.2060	19.9698	4.3079	144.8668	9.6703
Hardwoods:														
Alder / maple	12.4435	3.2975	1.0357	0.8512	13.4793	3.4046	1.2672	1.0641	--	--	1.2672	1.0641	14.7465	3.5663
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	123.8638	10.5721	7.4025	2.6568	131.2664	10.8600	17.8500	4.2167	3.6536	1.9700	21.5036	4.6313	152.7699	11.7290
Western oak	19.9847	4.4000	28.1611	4.7300	48.1458	6.4989	--	--	3.3406	1.6464	3.3406	1.6464	51.4864	6.7554
Woodland hardwoods	--	--	--	--	--	--	--	--	0.2190	0.1986	0.2190	0.1986	0.2190	0.1986
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	8.2926	2.6842	0.2744	0.2608	8.5669	2.6968	2.0960	1.5250	--	--	2.0960	1.5250	10.6629	3.0981
Total	164.5846	12.0184	36.8737	5.4858	201.4583	13.1200	21.2132	4.5863	7.2132	2.5750	28.4263	5.2170	229.8847	14.0433
Nonstocked	2.0578	1.1864	--	--	2.0578	1.1864	--	--	--	--	--	--	2.0578	1.1864
All forest types	291.5394	14.1448	36.8737	5.4858	328.4132	15.0270	38.4842	5.6521	9.9119	3.3907	48.3961	6.5383	376.8093	16.1401

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D31: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	304.2955	13.9731	0.4080	0.3325	304.7034	13.9760	55.3250	4.8449	0.5056	0.4310	55.8306	4.8588	360.5341	14.6541
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	89.6577	6.2426	2.2485	1.3586	91.9061	6.3782	30.5704	3.8307	4.1230	1.4858	34.6934	4.1005	126.5995	7.5599
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	23.5841	4.3026	1.5339	0.7225	25.1180	4.3606	26.3678	3.4631	20.3108	4.1348	46.6786	5.2856	71.7966	6.8371
Pinyon / juniper	0.8151	0.8221	38.5727	6.3792	39.3878	6.4319	0.5724	0.8830	25.3602	5.3028	25.9326	5.3758	65.3203	8.3571
Ponderosa pine	164.4017	11.8141	5.1275	2.7756	169.5293	12.1113	10.3776	2.3360	2.2243	1.3371	12.6019	2.6822	182.1312	12.4009
Redwood	0.4827	0.4424	--	--	0.4827	0.4424	--	--	--	--	--	--	0.4827	0.4424
Western white pine	1.8646	1.1580	--	--	1.8646	1.1580	3.4291	1.0924	2.9510	1.3207	6.3801	1.7123	8.2447	2.0671
Other western softwoods	11.2224	2.8789	90.0776	13.1691	101.3000	13.4597	14.4426	3.7226	44.0445	7.4078	58.4871	8.2109	159.7871	15.7435
Total	596.3238	18.8237	137.9682	14.8875	734.2920	23.6069	141.0848	7.8834	99.5195	9.9638	240.6043	12.1757	974.8963	26.2417
Hardwoods:														
Alder / maple	3.7600	1.8359	--	--	3.7600	1.8359	--	--	--	--	--	--	3.7600	1.8359
Aspen / birch	0.9255	0.6588	1.0470	0.6471	1.9724	0.9235	--	--	4.2136	1.9975	4.2136	1.9975	6.1860	2.2007
Elm / ash / cottonwood	--	--	1.6516	1.1151	1.6516	1.1151	--	--	--	--	--	--	1.6516	1.1151
Tanoak / laurel	9.4381	2.9111	4.5326	2.1526	13.9707	3.6187	--	--	--	--	--	--	13.9707	3.6187
Western oak	141.8014	11.6055	435.3415	19.0611	577.1430	21.8923	16.1253	3.8094	36.3444	6.0662	52.4697	7.1858	629.6127	22.8910
Woodland hardwoods	1.0094	1.0181	9.3037	2.9925	10.3131	3.1583	--	--	2.3563	1.4539	2.3563	1.4539	12.6694	3.4769
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	13.9901	3.5925	15.1530	3.8557	29.1431	5.2691	--	--	0.7412	0.8061	0.7412	0.8061	29.8842	5.3298
Total	170.9245	12.6110	467.0294	19.6618	637.9539	22.8939	16.1253	3.8094	43.6554	6.5870	59.7807	7.6306	697.7346	23.9794
Nonstocked	69.8259	8.1582	10.8505	3.2656	80.6764	8.7588	10.6077	3.4427	8.2322	2.9194	18.8399	4.5054	99.5164	9.8470
All forest types	837.0742	22.7101	615.8481	24.4927	1,452.9223	31.9074	167.8178	9.1174	151.4072	12.2149	319.2250	14.5702	1,772.1473	34.3347

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D32: Belowground Carbon, Dry Weight of Live Understory Vegetation, by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	2.8343	1.3011	--	--	2.8343	1.3011	3.1365	1.5429	--	--	3.1365	1.5429	5.9708	2.0183
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	0.7561	0.5525	--	--	0.7561	0.5525	--	--	--	--	--	--	0.7561	0.5525
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	1.1314	0.6916	1.1314	0.6916	1.1314	0.6916
Pinyon / juniper	--	--	44.9065	6.8778	44.9065	6.8778	--	--	32.0494	5.9995	32.0494	5.9995	76.9558	9.1132
Ponderosa pine	2.0171	1.2386	--	--	2.0171	1.2386	2.7818	1.3810	0.2557	0.2561	3.0375	1.4045	5.0546	1.8727
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	1.7612	1.0072	--	--	1.7612	1.0072	--	--	0.4947	0.6159	0.4947	0.6159	2.2560	1.1806
Total	7.3688	2.1296	44.9065	6.8778	52.2753	7.1907	5.9183	2.0568	33.9312	6.0701	39.8495	6.4091	92.1248	9.6178
Hardwoods:														
Alder / maple	--	--	0.8842	0.6174	0.8842	0.6174	--	--	--	--	--	--	0.8842	0.6174
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	0.0137	0.0130	0.0137	0.0130	--	--	0.4519	0.6163	0.4519	0.6163	0.4656	0.6165
Tanoak / laurel	--	--	--	--	--	--	--	--	1.1640	1.1441	1.1640	1.1441	1.1640	1.1441
Western oak	9.6163	3.0037	53.5823	6.8578	63.1986	7.5551	6.9636	2.7657	16.6734	4.3105	23.6370	5.0588	86.8356	9.0489
Woodland hardwoods	--	--	14.0652	3.7037	14.0652	3.7037	--	--	1.5945	1.1534	1.5945	1.1534	15.6597	3.8784
Exotic hardwoods	0.4108	0.4199	--	--	0.4108	0.4199	--	--	--	--	--	--	0.4108	0.4199
Other hardwoods	--	--	6.7015	2.6998	6.7015	2.6998	--	--	--	--	--	--	6.7015	2.6998
Total	10.0270	3.0329	75.2469	8.2518	85.2739	8.8453	6.9636	2.7657	19.8837	4.6475	26.8473	5.3489	112.1212	10.2897
Nonstocked	4.2452	2.0980	6.0395	2.4244	10.2847	3.2023	3.5173	1.9568	3.3494	1.8326	6.8667	2.6809	17.1514	4.1764
All forest types	21.6410	4.2415	126.1929	11.0208	147.8339	11.8331	16.3991	3.9177	57.1644	7.8149	73.5635	8.6603	221.3974	14.5873

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D33: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	57,784	1,714	63	38	57,848	1,715	15,124	1,017	105	89	15,228	1,020	73,076	1,931
Douglas-fir	10,735	996	52	52	10,786	997	3,815	709	60	31	3,875	710	14,661	1,216
Fir / spruce / mountain hemlock	12,896	949	163	96	13,059	954	6,581	809	288	120	6,869	817	19,928	1,251
Western Hemlock / Sitka spruce	548	234	--	--	548	234	24	24	--	--	24	24	572	235
Lodgepole pine	1,662	272	269	105	1,932	291	3,475	448	1,033	217	4,508	480	6,440	557
Pinyon / juniper	18	14	813	87	830	88	2	3	497	74	499	74	1,329	114
Ponderosa pine	9,098	598	110	50	9,208	600	1,201	239	96	44	1,297	243	10,505	645
Redwood	10,119	1,069	--	--	10,119	1,069	5,309	1,506	--	--	5,309	1,506	15,428	1,828
Western white pine	111	54	--	--	111	54	477	147	123	54	600	156	711	165
Other western softwoods	884	228	1,031	91	1,915	245	459	120	968	185	1,427	218	3,343	328
Total	103,855	2,140	2,500	203	106,356	2,139	36,466	1,942	3,170	328	39,637	1,949	145,992	2,718
Hardwoods:														
Alder / maple	1,237	257	106	48	1,344	261	459	196	14	16	473	196	1,817	327
Aspen / birch	72	40	15	7	87	41	4	4	66	46	70	46	157	62
Elm / ash / cottonwood	--	--	86	52	86	52	--	--	34	28	34	28	120	60
Tanoak / laurel	13,796	1,047	888	228	14,684	1,067	3,668	610	521	223	4,189	647	18,873	1,240
Western oak	12,583	822	16,707	647	29,289	1,013	1,523	270	2,838	306	4,361	405	33,650	1,080
Woodland hardwoods	35	18	117	30	152	35	--	--	59	26	59	26	211	43
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	2,061	402	180	40	2,241	404	423	215	32	26	455	217	2,696	456
Total	29,784	1,357	18,100	685	47,884	1,462	6,077	710	3,564	383	9,641	796	57,525	1,635
Nonstocked	196	43	5	4	201	43	54	34	3	2	57	34	258	55
All forest types	133,836	2,160	20,604	709	154,441	2,123	42,598	1,959	6,737	498	49,335	1,971	203,775	2,596

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D34: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	251	163	--	--	251	163	--	--	--	--	--	--	251	163
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	34	10	34	10	--	--	4	2	4	2	37	10
Ponderosa pine	--	--	8	6	8	6	--	--	11	10	11	10	19	12
Redwood	2,035	523	--	--	2,035	523	1,415	565	--	--	1,415	565	3,450	783
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	125	101	--	--	125	101	--	--	--	--	--	--	125	101
Total	2,411	556	42	12	2,453	556	1,415	565	14	11	1,430	565	3,883	806
Hardwoods:														
Alder / maple	--	--	16	12	16	12	69	77	--	--	69	77	85	78
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	9	7	9	7	--	--	1	1	1	1	10	7
Tanoak / laurel	554	225	363	112	917	251	586	321	223	107	809	339	1,726	421
Western oak	130	78	2,845	259	2,976	271	46	39	989	165	1,034	167	4,010	315
Woodland hardwoods	--	--	--	--	--	--	--	--	1	1	1	1	1	1
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	274	174	46	21	320	175	268	186	2	2	270	185	590	250
Total	959	295	3,279	282	4,238	405	969	372	1,216	198	2,185	414	6,422	571
Nonstocked	--	--	4	4	4	4	--	--	--	--	--	--	4	4
All forest types	3,369	625	3,325	282	6,695	683	2,384	662	1,230	198	3,614	686	10,309	967

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D35: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	46	48	46	48	--	--	27	27	27	27	73	55
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	174	55	174	55	--	--	3	3	3	3	176	55
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	220	73	220	73	--	--	29	27	29	27	249	78
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	--	--	220	73	220	73	--	--	29	27	29	27	249	78

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D36: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	1,121	175	42	35	1,162	178	--	--	--	--	--	--	1,162	178
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	575	175	--	--	575	175	239	132	--	--	239	132	814	220
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	105	55	129	80	234	97	--	--	--	--	--	--	234	97
Pinyon / juniper	5	5	418	60	423	60	--	--	198	45	198	45	621	74
Ponderosa pine	1,255	176	20	13	1,275	177	100	54	--	--	100	54	1,375	185
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	185	46	702	74	887	87	--	--	251	99	251	99	1,138	131
Total	3,245	310	1,311	128	4,556	336	339	143	449	108	788	179	5,344	380
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	41	28	9	5	50	29	4	4	--	--	4	4	54	29
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	18	14	23	19	41	24	--	--	--	--	--	--	41	24
Woodland hardwoods	24	14	26	13	50	19	--	--	--	--	--	--	50	19
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	9	8	--	--	9	8	--	--	--	--	--	--	9	8
Total	92	36	58	23	151	43	4	4	--	--	4	4	155	43
Nonstocked	14	5	1	1	14	5	--	--	--	--	--	--	14	5
All forest types	3,351	313	1,370	130	4,721	339	343	144	449	108	792	180	5,513	383

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D37: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	21,899	1,296	14	13	21,913	1,296	6,364	668	--	--	6,364	668	28,277	1,450
Douglas-fir	4,369	632	52	52	4,420	634	2,226	506	60	31	2,286	507	6,706	810
Fir / spruce / mountain hemlock	1,041	282	49	41	1,090	285	1,437	361	40	33	1,477	362	2,567	461
Western Hemlock / Sitka spruce	--	--	--	--	--	--	24	24	--	--	24	24	24	24
Lodgepole pine	22	21	--	--	22	21	16	12	12	13	29	17	51	27
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	758	173	--	--	758	173	342	148	27	27	369	151	1,127	229
Redwood	192	143	--	--	192	143	1,110	672	--	--	1,110	672	1,301	687
Western white pine	53	44	--	--	53	44	39	21	7	5	46	22	99	49
Other western softwoods	19	16	65	29	84	33	14	12	6	6	19	13	103	36
Total	28,352	1,448	180	73	28,531	1,448	11,572	1,064	153	55	11,724	1,065	40,256	1,776
Hardwoods:														
Alder / maple	432	137	42	33	474	141	257	140	14	16	271	141	745	199
Aspen / birch	--	--	--	--	--	--	--	--	2	2	2	2	2	2
Elm / ash / cottonwood	--	--	11	11	11	11	--	--	--	--	--	--	11	11
Tanoak / laurel	5,062	724	85	50	5,147	725	1,875	415	60	50	1,935	418	7,083	834
Western oak	6,467	628	5,431	417	11,898	747	709	189	940	195	1,649	271	13,547	793
Woodland hardwoods	--	--	1	1	1	1	--	--	6	5	6	5	7	6
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	992	274	12	7	1,004	275	9	9	26	26	35	27	1,039	276
Total	12,953	991	5,583	421	18,536	1,068	2,850	471	1,048	204	3,898	512	22,434	1,178
Nonstocked	32	12	--	--	32	12	49	34	--	--	49	34	81	36
All forest types	41,337	1,705	5,762	427	47,099	1,744	14,471	1,108	1,201	212	15,672	1,123	62,771	2,035

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D38: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	9	8	--	--	9	8	--	--	--	--	--	--	9	8
Douglas-fir	6,115	766	--	--	6,115	766	1,588	509	--	--	1,588	509	7,704	914
Fir / spruce / mountain hemlock	77	52	--	--	77	52	--	--	--	--	--	--	77	52
Western Hemlock / Sitka spruce	548	234	--	--	548	234	--	--	--	--	--	--	548	234
Lodgepole pine	--	--	--	--	--	--	5	5	--	--	5	5	5	5
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	7,887	939	--	--	7,887	939	2,784	1,250	--	--	2,784	1,250	10,671	1,539
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	242	182	--	--	242	182	--	--	33	45	33	45	276	187
Total	14,878	1,220	--	--	14,878	1,220	4,377	1,329	33	45	4,411	1,329	19,289	1,764
Hardwoods:														
Alder / maple	600	187	16	16	616	187	133	113	--	--	133	113	749	219
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	7,607	723	432	192	8,039	746	1,206	324	228	189	1,434	374	9,473	830
Western oak	811	192	799	152	1,610	245	--	--	90	51	90	51	1,700	251
Woodland hardwoods	--	--	--	--	--	--	--	--	20	18	20	18	20	18
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	505	179	12	12	518	179	146	112	--	--	146	112	664	212
Total	9,524	782	1,259	246	10,783	815	1,486	355	337	196	1,823	405	12,606	904
Nonstocked	4	4	--	--	4	4	--	--	--	--	--	--	4	4
All forest types	24,405	1,380	1,259	246	25,664	1,395	5,863	1,351	371	201	6,234	1,365	31,898	1,902

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D39: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	34,544	1,419	8	6	34,551	1,419	8,593	813	105	89	8,697	816	43,249	1,595
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	11,120	897	113	88	11,233	901	4,905	725	248	116	5,153	734	16,386	1,158
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1,535	266	140	68	1,675	275	3,454	448	967	215	4,421	479	6,096	548
Pinyon / juniper	13	13	224	54	236	56	2	3	220	55	222	55	459	78
Ponderosa pine	6,995	551	81	48	7,077	553	634	172	32	21	666	173	7,743	578
Redwood	6	5	--	--	6	5	--	--	--	--	--	--	6	5
Western white pine	58	32	--	--	58	32	438	145	116	53	554	154	612	158
Other western softwoods	262	75	264	47	526	88	445	120	678	150	1,124	190	1,650	210
Total	54,532	1,637	830	140	55,362	1,640	18,471	1,119	2,366	302	20,837	1,138	76,200	1,928
Hardwoods:														
Alder / maple	205	114	--	--	205	114	--	--	--	--	--	--	205	114
Aspen / birch	30	29	6	4	37	29	--	--	64	46	64	46	101	54
Elm / ash / cottonwood	--	--	20	18	20	18	--	--	--	--	--	--	20	18
Tanoak / laurel	573	219	8	4	580	219	--	--	--	--	--	--	580	219
Western oak	4,946	503	6,676	418	11,622	640	656	182	619	156	1,275	239	12,897	678
Woodland hardwoods	11	11	25	11	36	15	--	--	21	16	21	16	56	22
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	281	156	89	28	370	159	--	--	4	4	4	4	374	159
Total	6,046	579	6,824	419	12,870	700	656	182	707	162	1,363	243	14,234	736
Nonstocked	145	41	--	--	145	41	4	2	3	2	7	3	152	41
All forest types	60,724	1,671	7,654	441	68,378	1,682	19,131	1,126	3,076	342	22,207	1,150	90,585	1,944

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D40: Belowground Carbon, Dry Weight of Live Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	212	101	--	--	212	101	167	83	--	--	167	83	378	131
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	84	62	--	--	84	62	--	--	--	--	--	--	84	62
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	54	33	54	33	54	33
Pinyon / juniper	--	--	137	40	137	40	--	--	75	25	75	25	212	47
Ponderosa pine	90	52	--	--	90	52	125	60	26	26	152	66	242	83
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	52	32	--	--	52	32	--	--	--	--	--	--	52	32
Total	437	133	137	40	575	139	292	101	155	49	447	113	1,022	179
Hardwoods:														
Alder / maple	--	--	33	29	33	29	--	--	--	--	--	--	33	29
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	6	8	6	8	6	8
Tanoak / laurel	--	--	--	--	--	--	--	--	11	10	11	10	11	10
Western oak	210	82	759	147	969	171	112	58	198	80	311	98	1,280	197
Woodland hardwoods	--	--	65	25	65	25	--	--	11	8	11	8	76	26
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	20	12	20	12	--	--	--	--	--	--	20	12
Total	211	82	876	153	1,087	175	112	58	226	81	339	99	1,425	201
Nonstocked	2	2	--	--	2	2	1	1	--	--	1	1	3	2
All forest types	650	156	1,013	158	1,663	224	406	118	381	95	787	151	2,450	269

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D41: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	5,329	259	5	3	5,334	259	2,579	250	2	2	2,582	250	7,916	355
Douglas-fir	669	96	6	6	675	96	390	93	5	4	395	93	1,070	133
Fir / spruce / mountain hemlock	1,685	169	12	6	1,697	169	1,175	174	36	15	1,211	175	2,909	243
Western Hemlock / Sitka spruce	85	60	--	--	85	60	--	--	--	--	--	--	85	60
Lodgepole pine	225	50	51	31	276	59	429	75	134	31	563	80	839	99
Pinyon / juniper	3	3	72	13	75	13	1	1	36	7	37	7	112	15
Ponderosa pine	346	50	24	21	370	54	65	22	13	7	78	23	449	59
Redwood	688	121	--	--	688	121	307	125	--	--	307	125	995	173
Western white pine	29	16	--	--	29	16	74	24	22	15	96	28	125	32
Other western softwoods	65	24	69	21	134	32	69	23	132	33	201	40	335	51
Total	9,123	336	239	46	9,362	338	5,089	330	382	50	5,471	332	14,834	465
Hardwoods:														
Alder / maple	211	59	6	5	217	59	44	25	6	5	50	25	267	64
Aspen / birch	3	2	1	1	5	3	1	1	5	4	6	4	11	5
Elm / ash / cottonwood	--	--	5	5	5	5	--	--	3	3	3	3	9	6
Tanoak / laurel	815	106	46	21	861	108	458	123	81	39	539	129	1,400	169
Western oak	1,209	205	939	69	2,148	216	358	105	308	59	666	120	2,814	246
Woodland hardwoods	15	11	24	6	40	13	--	--	9	5	9	5	48	14
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	191	52	20	8	211	53	63	38	1	1	64	38	274	65
Total	2,444	243	1,042	73	3,486	252	923	167	414	71	1,336	180	4,823	309
Nonstocked	1,146	253	43	16	1,189	253	429	124	37	20	466	126	1,655	283
All forest types	12,713	458	1,325	88	14,038	462	6,441	369	833	89	7,274	374	21,312	581

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D42: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	1	1	--	--	1	1	--	--	--	--	--	--	1	1
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	3	1	3	1	--	--	--	--	--	--	3	1
Ponderosa pine	--	--	--	--	--	--	--	--	1	1	1	1	1	1
Redwood	80	26	--	--	80	26	45	28	--	--	45	28	125	38
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	17	13	--	--	17	13	--	--	--	--	--	--	17	13
Total	98	29	3	1	101	29	45	28	1	1	46	28	147	40
Hardwoods:														
Alder / maple	--	--	--	--	--	--	1	1	--	--	1	1	1	1
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	15	7	26	18	41	19	12	8	56	36	68	37	109	42
Western oak	2	2	145	24	147	24	2	2	108	45	110	45	257	51
Woodland hardwoods	--	--	--	--	--	--	--	--	4	4	4	4	4	4
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	22	15	3	2	25	15	8	9	1	1	8	9	33	18
Total	39	17	174	30	213	34	22	11	169	58	191	59	404	69
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	138	33	177	30	315	45	67	29	170	58	237	65	551	79

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D43: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	4	5	4	5	--	--	3	3	3	3	8	6
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	4	2	4	2	--	--	--	--	--	--	4	2
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	8	5	8	5	--	--	3	3	3	3	11	6
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	--	--	8	5	8	5	--	--	3	3	3	3	11	6

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D44: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	86	21	1	1	87	21	--	--	--	--	--	--	87	21
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	109	40	--	--	109	40	27	16	--	--	27	16	136	43
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	3	2	35	30	38	30	--	--	--	--	--	--	38	30
Pinyon / juniper	--	--	32	7	32	7	--	--	11	4	11	4	44	8
Ponderosa pine	38	12	--	--	38	12	4	3	--	--	4	3	42	12
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	9	6	28	9	37	11	--	--	23	10	23	10	60	15
Total	244	47	98	32	342	57	31	16	34	11	66	20	408	61
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	3	2	--	--	4	2	1	1	--	--	1	1	4	2
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	3	2	--	--	3	2	--	--	--	--	--	--	3	2
Woodland hardwoods	15	11	9	4	24	12	--	--	--	--	--	--	24	12
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	3	3	--	--	3	3	42	36	--	--	42	36	45	36
Total	24	12	9	4	33	13	43	36	--	--	43	36	76	38
Nonstocked	35	21	4	3	38	21	--	--	--	--	--	--	38	21
All forest types	303	53	110	33	414	62	74	39	34	11	109	41	522	74

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D45: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	2,128	186	3	3	2,131	186	1,160	194	--	--	1,160	194	3,291	268
Douglas-fir	315	73	6	6	321	74	254	76	5	4	260	76	580	105
Fir / spruce / mountain hemlock	160	49	7	4	167	49	330	104	5	4	334	104	501	115
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	2	2	1	1	2	2	3	2
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	70	28	--	--	70	28	17	11	8	6	25	12	95	31
Redwood	35	28	--	--	35	28	27	16	--	--	27	16	62	33
Western white pine	8	6	--	--	8	6	14	7	1	1	15	8	23	10
Other western softwoods	6	5	6	3	11	5	--	--	--	--	--	--	12	5
Total	2,722	207	21	9	2,743	207	1,805	224	19	8	1,824	224	4,567	304
Hardwoods:														
Alder / maple	38	15	5	5	43	15	24	15	6	5	31	16	74	22
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	1	1	1	1	--	--	--	--	--	--	1	1
Tanoak / laurel	382	81	--	--	383	81	305	112	21	14	326	113	709	139
Western oak	673	186	249	34	922	189	179	85	69	20	248	88	1,170	208
Woodland hardwoods	--	--	--	--	--	--	--	--	1	1	1	1	1	1
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	131	48	--	--	131	48	12	11	--	--	12	11	143	49
Total	1,224	209	255	34	1,480	211	520	141	97	25	617	143	2,097	255
Nonstocked	332	164	2	2	334	164	270	103	--	--	270	103	604	194
All forest types	4,278	330	279	35	4,557	331	2,595	272	116	28	2,711	273	7,268	427

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D46: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	2	2	--	--	2	2	--	--	--	--	--	--	2	2
Douglas-fir	353	62	--	--	353	62	136	55	--	--	136	55	488	83
Fir / spruce / mountain hemlock	10	10	--	--	10	10	--	--	--	--	--	--	10	10
Western Hemlock / Sitka spruce	85	60	--	--	85	60	--	--	--	--	--	--	85	60
Lodgepole pine	--	--	--	--	--	--	2	2	--	--	2	2	2	2
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	573	115	--	--	573	115	235	121	--	--	235	121	808	167
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	19	17	--	--	19	17	--	--	2	3	2	3	21	18
Total	1,041	144	--	--	1,041	144	374	132	2	3	376	132	1,417	194
Hardwoods:														
Alder / maple	156	56	--	--	157	56	18	19	--	--	18	19	175	59
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	402	69	8	5	411	69	141	51	3	3	144	51	555	86
Western oak	38	13	19	7	57	15	--	--	1	1	1	1	58	15
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	14	6	--	--	14	6	1	1	--	--	1	1	15	7
Total	610	89	28	8	638	90	160	55	4	3	165	55	802	105
Nonstocked	4	3	--	--	4	3	--	--	--	--	--	--	4	3
All forest types	1,655	169	28	8	1,683	169	534	141	7	4	540	141	2,223	219

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D47: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	3,102	200	1	1	3,103	200	1,355	162	2	2	1,358	162	4,461	254
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	1,398	158	6	4	1,404	158	818	140	32	15	849	141	2,253	211
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	222	50	15	8	237	51	425	75	109	27	534	78	771	93
Pinyon / juniper	3	3	15	7	18	7	1	1	16	5	17	6	34	9
Ponderosa pine	229	39	24	21	253	44	38	19	5	4	43	19	296	48
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	21	15	--	--	21	15	60	23	21	15	82	27	103	31
Other western softwoods	9	4	34	19	43	19	69	23	107	32	176	39	219	44
Total	4,985	252	95	30	5,080	254	2,765	222	292	46	3,057	226	8,137	335
Hardwoods:														
Alder / maple	17	12	--	--	17	12	--	--	--	--	--	--	17	12
Aspen / birch	--	--	1	1	1	1	--	--	5	4	5	4	6	4
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	15	7	12	11	27	13	--	--	--	--	--	--	27	13
Western oak	440	80	404	46	844	92	123	52	64	20	187	55	1,031	107
Woodland hardwoods	--	--	7	3	7	3	--	--	1	1	1	1	8	3
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	20	14	11	6	31	15	--	--	--	--	--	--	32	15
Total	493	83	435	48	928	95	123	52	71	20	194	55	1,121	109
Nonstocked	728	189	28	15	755	189	88	46	37	20	125	50	880	196
All forest types	6,205	316	558	58	6,763	319	2,975	230	400	54	3,375	234	10,138	389

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D48: Belowground Carbon, Dry Weight of Dead Trees (>= 1 inch) by Forest Type and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	11	7	--	--	11	7	64	40	--	--	64	40	75	40
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	7	6	--	--	7	6	--	--	--	--	--	--	7	6
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	24	16	24	16	24	16
Pinyon / juniper	--	--	22	8	22	8	--	--	9	3	9	3	31	9
Ponderosa pine	8	8	--	--	8	8	6	3	--	--	6	3	14	8
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	6	6	--	--	6	6	--	--	--	--	--	--	6	6
Total	33	13	22	8	55	16	69	40	33	16	103	43	158	46
Hardwoods:														
Alder / maple	--	--	1	1	1	1	--	--	--	--	--	--	1	1
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	54	31	117	33	171	45	54	33	66	27	121	42	292	62
Woodland hardwoods	--	--	9	3	9	3	--	--	3	3	3	3	11	4
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	6	6	6	6	--	--	--	--	--	--	6	6
Total	54	31	133	33	186	46	54	33	70	27	124	43	311	62
Nonstocked	47	38	9	5	57	39	71	56	1		72	56	129	68
All forest types	134	51	164	35	299	62	195	75	103	31	299	81	597	102

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D49: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	130,189.84	3,163.70	379.92	186.08	130,569.76	3,166.97	30,267.79	1,699.93	191.24	163.00	30,459.02	1,706.17	161,028.79	3,487.33
Douglas-fir	14,241.38	1,117.56	96.89	97.77	14,338.27	1,121.56	3,577.75	595.94	467.10	208.66	4,044.86	631.22	18,383.12	1,280.71
Fir / spruce / mountain hemlock	29,025.01	1,790.73	747.73	305.03	29,772.73	1,812.91	12,009.86	1,189.78	1,242.62	402.55	13,252.48	1,247.35	43,025.21	2,194.35
Western Hemlock / Sitka spruce	1,741.06	713.54	--	--	1,741.06	713.54	90.24	90.16	--	--	90.24	90.16	1,831.30	718.92
Lodgepole pine	4,301.78	595.23	648.26	233.99	4,950.05	636.84	6,337.01	710.66	3,330.76	540.15	9,667.78	855.61	14,617.82	1,061.41
Pinyon / juniper	112.88	80.84	10,888.14	786.64	11,001.02	790.65	34.04	52.51	5,355.65	580.72	5,389.68	583.09	16,390.70	968.41
Ponderosa pine	34,599.12	1,679.64	784.68	268.59	35,383.80	1,698.24	3,478.98	573.61	554.63	217.51	4,033.62	611.07	39,417.41	1,798.94
Redwood	13,921.97	1,282.44	--	--	13,921.97	1,282.44	2,456.67	556.48	--	--	2,456.67	556.48	16,378.64	1,391.45
Western white pine	588.18	253.16	--	--	588.18	253.16	1,726.09	448.85	971.75	349.30	2,697.84	568.22	3,286.03	621.96
Other western softwoods	5,152.57	761.37	25,903.77	1,689.20	31,056.33	1,837.38	2,799.15	599.31	7,550.23	931.45	10,349.38	1,091.33	41,405.71	2,118.15
Total	233,873.79	3,496.92	39,449.39	1,872.39	273,323.18	3,835.42	62,777.58	2,078.07	19,663.98	1,298.37	82,441.56	2,278.19	355,764.74	4,144.85
Hardwoods:														
Alder / maple	5,027.27	913.40	744.02	273.09	5,771.30	952.89	1,100.17	457.62	336.98	253.03	1,437.16	522.92	7,208.45	1,086.63
Aspen / birch	165.09	85.04	238.50	106.97	403.58	136.56	10.54	11.74	278.18	118.39	288.71	118.97	692.30	181.11
Elm / ash / cottonwood	--	--	523.54	217.23	523.54	217.23	12.73	12.62	185.76	134.93	198.49	135.51	722.03	256.02
Tanoak / laurel	14,270.48	922.32	1,699.25	321.11	15,969.74	968.80	3,452.80	480.73	1,058.02	266.51	4,510.82	546.24	20,480.56	1,103.41
Western oak	22,140.94	1,165.27	63,134.27	1,712.72	85,275.21	1,992.26	3,199.95	457.99	9,748.33	751.03	12,948.28	863.88	98,223.49	2,136.56
Woodland hardwoods	286.39	131.20	1,711.09	308.41	1,997.48	334.67	--	--	350.99	127.92	350.99	127.92	2,348.47	358.25
Exotic hardwoods	24.01	23.86	26.63	22.37	50.64	32.71	--	--	--	--	--	--	50.64	32.71
Other hardwoods	3,027.50	413.81	1,592.37	298.55	4,619.87	509.15	705.10	218.65	266.82	125.98	971.92	251.23	5,591.79	567.47
Total	44,941.68	1,701.24	69,669.68	1,796.07	114,611.36	2,334.96	8,481.30	822.98	12,225.07	863.45	20,706.37	1,158.21	135,317.72	2,546.08
Nonstocked	9,131.58	819.69	2,338.67	423.41	11,470.25	918.03	2,292.03	442.02	1,022.84	283.66	3,314.87	523.68	14,785.13	1,056.55
All forest types	287,947.05	3,138.59	111,457.74	2,498.00	399,404.79	3,396.28	73,550.91	2,077.02	32,911.89	1,536.57	106,462.80	2,247.63	505,867.59	3,422.65

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D50: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	251.37	158.13	--	--	251.37	158.13	--	--	--	--	--	--	251.37	158.13
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	1,005.70	249.28	1,005.70	249.28	--	--	181.36	107.73	181.36	107.73	1,187.06	271.54
Ponderosa pine	--	--	210.18	149.82	210.18	149.82	--	--	62.35	61.03	62.35	61.03	272.52	161.77
Redwood	2,188.85	521.85	--	--	2,188.85	521.85	956.57	350.73	--	--	956.57	350.73	3,145.41	635.00
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	338.25	211.08	--	--	338.25	211.08	--	--	--	--	--	--	338.25	211.08
Total	2,778.47	583.57	1,215.88	290.72	3,994.35	651.98	956.57	350.73	243.70	123.81	1,200.27	371.95	5,194.62	755.84
Hardwoods:														
Alder / maple	--	--	156.99	117.93	156.99	117.93	154.01	171.50	--	--	154.01	171.50	310.99	208.13
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	89.84	53.87	89.84	53.87	--	--	9.71	13.25	9.71	13.25	99.55	55.47
Tanoak / laurel	401.41	157.02	738.14	207.97	1,139.55	259.90	272.48	139.62	424.36	161.92	696.84	213.80	1,836.39	336.49
Western oak	193.05	109.59	10,458.41	763.95	10,651.45	771.73	141.09	98.19	3,394.25	434.04	3,535.34	437.46	14,186.79	880.30
Woodland hardwoods	--	--	--	--	--	--	--	--	31.73	22.41	31.73	22.41	31.73	22.41
Exotic hardwoods	--	--	26.63	22.37	26.63	22.37	--	--	--	--	--	--	26.63	22.37
Other hardwoods	183.39	101.64	221.21	108.96	404.60	146.63	249.81	133.58	161.78	99.37	411.59	164.80	816.19	219.90
Total	777.85	216.50	11,691.21	811.62	12,469.06	837.53	817.38	271.96	4,021.84	478.17	4,839.22	529.70	17,308.28	982.01
Nonstocked	--	--	68.78	68.41	68.78	68.41	--	--	35.18	29.94	35.18	29.94	103.96	74.67
All forest types	3,556.31	621.61	12,975.87	864.54	16,532.18	1,060.86	1,773.95	434.84	4,300.72	495.90	6,074.67	636.32	22,606.86	1,229.06

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D51: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	162.23	143.09	162.23	143.09	--	--	115.06	106.11	115.06	106.11	277.29	178.14
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	845.58	215.26	845.58	215.26	--	--	6.34	6.38	6.34	6.38	851.92	215.35
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	0.67	0.69	--	--	0.67	0.69	--	--	--	--	--	--	0.67	0.69
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	0.67	0.69	1,007.81	258.43	1,008.48	258.43	--	--	121.40	106.30	121.40	106.30	1,129.89	279.44
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	0.67	0.69	1,007.81	258.43	1,008.48	258.43	--	--	121.40	106.30	121.40	106.30	1,129.89	279.44

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D52: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	5,390.70	788.60	172.65	133.05	5,563.35	799.01	--	--	--	--	--	--	5,563.35	799.01
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	1,905.84	475.55	--	--	1,905.84	475.55	556.48	268.79	--	--	556.48	268.79	2,462.32	546.26
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	306.40	158.21	263.20	153.53	569.60	220.46	--	--	--	--	--	--	569.60	220.46
Pinyon / juniper	64.41	64.38	4,918.34	543.55	4,982.74	547.22	--	--	1,760.42	342.07	1,760.42	342.07	6,743.17	636.20
Ponderosa pine	6,292.63	753.01	101.20	67.92	6,393.83	755.74	382.20	193.14	--	--	382.20	193.14	6,776.03	779.56
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	2,057.35	479.61	18,198.29	1,423.80	20,255.64	1,494.78	--	--	1,312.84	406.05	1,312.84	406.05	21,568.47	1,548.43
Total	16,017.32	1,281.89	23,653.67	1,520.96	39,671.00	1,980.62	938.69	330.98	3,073.26	532.56	4,011.94	623.94	43,682.94	2,068.13
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	1.42	1.47	1.42	1.47	1.42	1.47
Aspen / birch	111.72	75.59	178.79	100.53	290.51	125.71	10.54	11.74	0.93	0.96	11.47	11.78	301.98	126.26
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	80.23	69.33	144.77	99.67	225.00	121.41	--	--	--	--	--	--	225.00	121.41
Woodland hardwoods	223.62	114.92	343.62	142.20	567.24	182.71	--	--	--	--	--	--	567.24	182.71
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	223.92	113.46	38.21	38.39	262.13	119.78	100.84	85.03	--	--	100.84	85.03	362.97	146.89
Total	639.50	191.10	705.38	203.70	1,344.88	279.10	111.38	85.83	2.35	1.75	113.73	85.85	1,458.61	292.01
Nonstocked	1,527.91	343.55	764.08	245.74	2,291.99	422.17	--	--	70.91	71.93	70.91	71.93	2,362.90	428.26
All forest types	18,184.73	1,348.51	25,123.14	1,549.36	43,307.87	2,040.69	1,050.06	345.68	3,146.52	542.46	4,196.58	639.41	47,504.45	2,129.36

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D53: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	41,989.99	2,073.93	142.67	118.96	42,132.66	2,078.01	11,655.00	1,067.38	--	--	11,655.00	1,067.38	53,787.66	2,323.71
Douglas-fir	5,339.20	694.03	96.89	97.77	5,436.09	700.51	2,181.80	459.76	467.10	208.66	2,648.91	504.64	8,084.99	860.95
Fir / spruce / mountain hemlock	2,850.00	601.63	321.00	198.98	3,170.99	632.30	3,499.04	664.36	244.32	178.45	3,743.36	685.29	6,914.35	932.43
Western Hemlock / Sitka spruce	--	--	--	--	--	--	90.24	90.16	--	--	90.24	90.16	90.24	90.16
Lodgepole pine	85.67	82.25	--	--	85.67	82.25	185.81	132.09	83.35	85.04	269.16	157.10	354.83	177.33
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	2,778.56	485.56	--	--	2,778.56	485.56	587.57	232.62	115.11	85.63	702.68	247.88	3,481.23	544.80
Redwood	294.21	204.72	--	--	294.21	204.72	408.64	240.72	--	--	408.64	240.72	702.85	316.00
Western white pine	232.48	169.10	--	--	232.48	169.10	475.06	224.30	254.88	174.91	729.94	284.33	962.42	330.82
Other western softwoods	233.73	164.99	1,065.97	348.93	1,299.70	385.97	85.89	75.65	123.06	125.80	208.95	146.79	1,508.65	411.72
Total	53,803.82	2,286.99	1,626.53	430.18	55,430.35	2,320.84	19,169.05	1,277.98	1,287.83	375.11	20,456.88	1,324.67	75,887.24	2,636.96
Hardwoods:														
Alder / maple	1,914.47	563.15	232.91	146.97	2,147.38	582.01	694.37	367.64	335.56	253.03	1,029.93	446.30	3,177.31	733.43
Aspen / birch	--	--	--	--	--	--	--	--	42.63	43.48	42.63	43.48	42.63	43.48
Elm / ash / cottonwood	--	--	55.25	54.31	55.25	54.31	12.73	12.62	--	--	12.73	12.62	67.98	55.76
Tanoak / laurel	4,639.26	544.11	178.75	102.22	4,818.01	553.15	1,942.52	358.16	309.93	146.59	2,252.46	386.21	7,070.46	671.56
Western oak	10,307.64	814.75	17,794.33	1,027.32	28,101.97	1,297.47	1,504.89	320.91	2,710.05	421.50	4,214.94	527.80	32,316.91	1,394.32
Woodland hardwoods	--	--	22.38	13.14	22.38	13.14	--	--	67.96	55.78	67.96	55.78	90.35	57.31
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	1,258.92	273.23	41.11	23.04	1,300.02	274.20	218.60	116.31	61.19	61.01	279.79	131.34	1,579.81	304.03
Total	18,120.29	1,143.51	18,324.73	1,042.09	36,445.02	1,529.29	4,373.11	610.26	3,527.33	516.81	7,900.44	795.07	44,345.45	1,710.98
Nonstocked	1,577.68	343.52	168.88	107.91	1,746.56	360.07	1,173.97	315.64	--	--	1,173.97	315.64	2,920.53	478.83
All forest types	73,501.79	2,493.30	20,120.14	1,131.29	93,621.93	2,697.22	24,716.13	1,374.35	4,815.16	639.00	29,531.29	1,480.48	123,153.22	3,011.61

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D54: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	54.36	50.76	--	--	54.36	50.76	--	--	--	--	--	--	54.36	50.76
Douglas-fir	8,650.80	882.73	--	--	8,650.80	882.73	1,395.95	384.73	--	--	1,395.95	384.73	10,046.76	958.19
Fir / spruce / mountain hemlock	197.36	133.03	--	--	197.36	133.03	--	--	--	--	--	--	197.36	133.03
Western Hemlock / Sitka spruce	1,741.06	713.54	--	--	1,741.06	713.54	--	--	--	--	--	--	1,741.06	713.54
Lodgepole pine	--	--	--	--	--	--	51.30	52.49	--	--	51.30	52.49	51.30	52.49
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	11,365.81	1,172.76	--	--	11,365.81	1,172.76	1,091.46	370.35	--	--	1,091.46	370.35	12,457.27	1,222.99
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	252.22	160.02	--	--	252.22	160.02	14.40	17.92	242.27	183.47	256.66	184.34	508.88	244.11
Total	22,261.61	1,599.84	--	--	22,261.61	1,599.84	2,553.11	520.44	242.27	183.47	2,795.38	551.83	25,056.98	1,674.23
Hardwoods:														
Alder / maple	2,383.08	633.03	190.50	159.56	2,573.58	652.67	251.80	211.77	--	--	251.80	211.77	2,825.37	686.04
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	8,580.81	732.28	510.34	183.51	9,091.14	752.09	1,237.80	292.01	247.47	133.06	1,485.27	319.30	10,576.41	811.67
Western oak	1,371.44	302.00	1,898.53	319.94	3,269.96	442.18	--	--	230.00	113.57	230.00	113.57	3,499.96	459.79
Woodland hardwoods	--	--	--	--	--	--	--	--	14.10	12.79	14.10	12.79	14.10	12.79
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	533.17	172.56	17.66	16.79	550.82	173.37	135.85	98.86	--	--	135.85	98.86	686.68	199.58
Total	12,868.49	1,010.76	2,617.02	401.38	15,485.51	1,081.17	1,625.46	375.86	491.56	175.40	2,117.02	409.94	17,602.52	1,150.73
Nonstocked	162.89	93.91	--	--	162.89	93.91	--	--	--	--	--	--	162.89	93.91
All forest types	35,292.99	1,812.46	2,617.02	401.38	37,910.00	1,847.35	4,178.56	615.01	733.83	253.83	4,912.39	659.55	42,822.40	1,930.74

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D55: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	81,980.40	2,771.44	64.60	52.65	82,044.99	2,772.43	17,834.68	1,397.93	191.24	163.00	18,025.92	1,405.51	100,070.91	3,036.07
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	23,850.28	1,636.18	426.73	231.19	24,277.02	1,651.22	7,954.34	984.47	998.30	360.84	8,952.64	1,046.05	33,229.65	1,948.50
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	3,909.71	569.11	385.07	176.58	4,294.78	594.97	6,099.90	697.56	2,990.20	513.29	9,090.10	830.05	13,384.88	1,016.26
Pinyon / juniper	48.47	48.89	2,293.73	379.34	2,342.20	382.48	34.04	52.51	1,508.05	315.33	1,542.08	319.67	3,884.29	496.96
Ponderosa pine	25,158.18	1,474.66	473.30	212.32	25,631.49	1,488.51	2,002.63	434.61	291.89	170.17	2,294.52	465.27	27,926.01	1,557.02
Redwood	73.10	66.99	--	--	73.10	66.99	--	--	--	--	--	--	73.10	66.99
Western white pine	355.71	188.39	--	--	355.71	188.39	1,251.03	389.06	716.87	302.35	1,967.90	492.18	2,323.61	527.01
Other western softwoods	1,891.62	457.77	6,639.50	883.36	8,531.13	991.87	2,698.86	594.25	5,820.38	812.19	8,519.25	990.23	17,050.37	1,398.52
Total	137,267.47	3,234.52	10,282.93	1,020.78	147,550.41	3,361.13	37,875.48	1,833.98	12,516.93	1,087.75	50,392.41	2,022.87	197,942.82	3,788.43
Hardwoods:														
Alder / maple	729.73	355.88	--	--	729.73	355.88	--	--	--	--	--	--	729.73	355.88
Aspen / birch	53.37	38.97	59.71	36.70	113.07	53.53	--	--	234.61	110.11	234.61	110.11	347.69	122.43
Elm / ash / cottonwood	--	--	214.60	144.42	214.60	144.42	--	--	--	--	--	--	214.60	144.42
Tanoak / laurel	649.01	200.20	272.03	127.81	921.03	237.39	--	--	--	--	--	--	921.03	237.39
Western oak	9,549.78	780.36	28,522.91	1,247.84	38,072.69	1,442.48	1,102.54	260.38	2,351.69	392.80	3,454.23	472.48	41,526.92	1,507.77
Woodland hardwoods	62.77	63.31	537.05	172.66	599.82	183.74	--	--	143.03	89.14	143.03	89.14	742.84	204.22
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	828.10	211.94	899.18	229.10	1,727.28	312.04	--	--	43.85	47.69	43.85	47.69	1,771.13	315.63
Total	11,872.76	902.41	30,505.47	1,284.97	42,378.22	1,539.15	1,102.54	260.38	2,773.18	419.48	3,875.71	494.89	46,253.93	1,606.75
Nonstocked	5,527.08	645.76	858.87	258.49	6,385.95	693.31	839.65	272.50	651.62	231.09	1,491.28	356.62	7,877.23	779.44
All forest types	154,667.31	3,260.79	41,647.27	1,634.17	196,314.58	3,492.52	39,817.67	1,843.17	15,941.73	1,177.46	55,759.40	2,052.14	252,073.98	3,861.36

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D56: Soil Organic Carbon by Forest Type Group and Forest Land Status, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	774.40	306.42	--	--	774.40	306.42	778.10	331.14	--	--	778.10	331.14	1,552.50	451.17
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	221.54	162.02	--	--	221.54	162.02	--	--	--	--	--	--	221.54	162.02
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	257.21	156.99	257.21	156.99	257.21	156.99
Pinyon / juniper	--	--	2,670.37	408.99	2,670.37	408.99	--	--	1,905.82	356.76	1,905.82	356.76	4,576.19	541.92
Ponderosa pine	369.75	189.77	--	--	369.75	189.77	506.59	234.05	85.28	85.41	591.87	249.14	961.62	313.19
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	379.40	216.49	--	--	379.40	216.49	--	--	51.68	64.33	51.68	64.33	431.08	225.84
Total	1,745.09	449.97	2,670.37	408.99	4,415.46	606.92	1,284.69	401.00	2,299.99	402.97	3,584.68	568.50	8,000.14	830.96
Hardwoods:														
Alder / maple	--	--	163.63	116.67	163.63	116.67	--	--	--	--	--	--	163.63	116.67
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	1.62	1.54	1.62	1.54	--	--	60.98	83.17	60.98	83.17	62.60	83.19
Tanoak / laurel	--	--	--	--	--	--	--	--	76.25	74.95	76.25	74.95	76.25	74.95
Western oak	638.79	199.37	3,469.76	442.38	4,108.55	490.08	451.44	178.65	1,056.01	271.32	1,507.45	320.73	5,616.00	582.97
Woodland hardwoods	--	--	808.04	212.49	808.04	212.49	--	--	94.17	68.12	94.17	68.12	902.20	223.10
Exotic hardwoods	23.34	23.85	--	--	23.34	23.85	--	--	--	--	--	--	23.34	23.85
Other hardwoods	--	--	375.01	149.99	375.01	149.99	--	--	--	--	--	--	375.01	149.99
Total	662.13	200.79	4,818.06	524.92	5,480.19	565.92	451.44	178.65	1,287.40	301.31	1,738.84	346.47	7,219.03	660.57
Nonstocked	336.03	166.07	478.06	191.91	814.09	253.48	278.41	154.89	265.13	145.06	543.54	212.21	1,357.62	330.58
All forest types	2,743.25	518.39	7,966.49	693.42	10,709.73	868.52	2,014.54	463.75	3,852.52	520.39	5,867.06	690.69	16,576.79	1,104.96

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D57: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: All California

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	31,616.67	1,160.72	65.46	44.34	31,682.13	1,161.32	8,686.17	708.19	21.65	18.45	8,707.82	708.04	40,389.95	1,341.74
Douglas-fir	5,484.14	609.35	9.64	9.73	5,493.78	609.41	1,392.80	383.17	16.92	8.44	1,409.71	383.26	6,903.50	718.33
Fir / spruce / mountain hemlock	7,064.33	558.55	71.84	37.57	7,136.18	559.63	3,585.44	572.80	235.83	153.92	3,821.27	592.09	10,957.45	813.01
Western Hemlock / Sitka spruce	371.64	236.29	--	--	371.64	236.29	2.46	2.46	--	--	2.46	2.46	374.10	236.30
Lodgepole pine	1,550.49	293.21	189.22	89.10	1,739.71	305.58	1,863.69	399.53	747.83	169.00	2,611.52	427.98	4,351.23	525.33
Pinyon / juniper	12.31	12.17	1,224.27	167.19	1,236.58	167.63	2.60	4.02	695.41	152.03	698.01	152.09	1,934.59	225.12
Ponderosa pine	4,783.38	398.48	50.51	22.19	4,833.89	398.91	684.84	176.72	48.71	24.99	733.54	178.46	5,567.43	435.95
Redwood	5,794.51	841.72	--	--	5,794.51	841.72	1,463.34	421.04	--	--	1,463.34	421.04	7,257.85	937.84
Western white pine	139.49	65.29	--	--	139.49	65.29	189.87	73.07	84.68	51.83	274.55	89.39	414.05	110.68
Other western softwoods	612.21	151.26	1,043.57	137.42	1,655.78	203.79	499.59	151.11	950.77	212.73	1,450.37	260.16	3,106.15	329.79
Total	57,429.18	1,582.19	2,654.51	237.72	60,083.69	1,591.52	18,370.80	1,078.21	2,801.80	345.56	21,172.60	1,117.12	81,256.29	1,899.57
Hardwoods:														
Alder / maple	974.95	225.94	138.31	78.64	1,113.26	239.24	324.15	181.10	135.26	103.23	459.41	208.46	1,572.67	317.22
Aspen / birch	34.66	19.72	60.59	30.41	95.24	36.22	2.86	3.19	125.11	88.85	127.97	88.91	223.21	96.00
Elm / ash / cottonwood	--	--	44.00	24.45	44.00	24.45	--	--	11.68	10.77	11.68	10.77	55.68	26.72
Tanoak / laurel	7,505.17	681.17	430.03	126.45	7,935.20	690.98	1,592.53	307.18	272.71	103.78	1,865.24	323.69	9,800.45	760.36
Western oak	6,541.66	523.58	7,915.72	450.87	14,457.38	686.94	742.52	152.25	1,693.46	249.54	2,435.98	290.43	16,893.36	741.38
Woodland hardwoods	22.53	11.04	173.32	54.00	195.85	55.10	--	--	72.10	34.43	72.10	34.43	267.95	64.97
Exotic hardwoods	6.32	6.47	0.03	0.03	6.36	6.47	--	--	--	--	--	--	6.36	6.47
Other hardwoods	1,373.88	260.53	184.41	48.28	1,558.29	264.71	190.37	78.06	14.08	8.33	204.45	78.46	1,762.74	275.74
Total	16,459.17	905.08	8,946.42	479.43	25,405.59	1,009.25	2,852.43	395.04	2,324.39	304.37	5,176.82	495.10	30,582.41	1,113.75
Nonstocked	2,039.24	271.07	233.27	65.41	2,272.51	278.69	944.65	335.52	281.36	113.68	1,226.00	354.16	3,498.52	450.64
All forest types	75,927.58	1,675.46	11,834.21	533.89	87,761.79	1,706.78	22,167.88	1,142.90	5,407.55	466.62	27,575.43	1,199.20	115,337.22	2,007.15

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D58: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: Central Coast and Interior Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	47.55	31.98	--	--	47.55	31.98	--	--	--	--	--	--	47.55	31.98
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	37.18	20.18	37.18	20.18	--	--	0.53	0.39	0.53	0.39	37.71	20.18
Ponderosa pine	--	--	13.58	10.97	13.58	10.97	--	--	0.41	0.40	0.41	0.40	13.99	10.98
Redwood	690.44	254.02	--	--	690.44	254.02	378.50	168.11	--	--	378.50	168.11	1,068.94	304.97
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	38.02	28.34	--	--	38.02	28.34	--	--	--	--	--	--	38.02	28.34
Total	776.01	257.40	50.77	22.96	826.78	258.42	378.50	168.11	0.94	0.56	379.44	168.11	1,206.22	308.65
Hardwoods:														
Alder / maple	--	--	31.04	31.43	31.04	31.43	16.64	18.53	--	--	16.64	18.53	47.68	36.49
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	10.74	8.47	10.74	8.47	--	--	0.13	0.17	0.13	0.17	10.87	8.48
Tanoak / laurel	230.94	121.94	204.79	89.33	435.73	151.07	62.02	35.58	185.99	95.60	248.01	102.01	683.74	182.27
Western oak	37.06	25.37	1,294.86	163.98	1,331.92	165.93	27.66	20.88	457.82	147.12	485.48	148.26	1,817.40	221.28
Woodland hardwoods	--	--	--	--	--	--	--	--	8.20	7.79	8.20	7.79	8.20	7.79
Exotic hardwoods	--	--	0.03	0.03	0.03	0.03	--	--	--	--	--	--	0.03	0.03
Other hardwoods	155.86	99.77	42.84	24.18	198.70	102.05	67.07	42.80	9.18	7.09	76.25	43.32	274.95	109.98
Total	423.87	159.47	1,584.31	191.93	2,008.17	248.70	173.39	60.75	661.31	179.14	834.70	187.48	2,842.87	309.89
Nonstocked	--	--	2.24	2.23	2.24	2.23	--	--	3.19	2.71	3.19	2.71	5.43	3.51
All forest types	1,199.88	301.38	1,637.31	193.28	2,837.19	356.92	551.89	176.46	665.44	179.39	1,217.32	265.73	4,054.51	443.72

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D59: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: Central Valley

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	20.51	21.01	20.51	21.01	--	--	10.46	10.67	10.46	10.67	30.96	23.56
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	--	--	55.27	27.10	55.27	27.10	--	--	--	--	--	--	55.27	27.10
Woodland hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	75.77	34.29	75.77	34.29	--	--	10.46	10.67	10.46	10.67	86.23	35.91
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All forest types	--	--	75.77	34.29	75.77	34.29	--	--	10.46	10.67	10.46	10.67	86.23	35.91

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D60: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: Eastside

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	960.07	183.50	43.58	41.83	1,003.65	188.02	--	--	--	--	--	--	1,003.65	188.02
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	441.06	124.24	--	--	441.06	124.24	104.86	73.41	--	--	104.86	73.41	545.91	144.31
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	138.74	79.93	119.54	81.82	258.28	114.38	--	--	--	--	--	--	258.28	114.38
Pinyon / juniper	0.25	0.25	544.23	96.95	544.47	96.95	--	--	154.49	42.98	154.49	42.98	698.96	105.12
Ponderosa pine	882.80	166.22	9.95	8.00	892.75	166.38	93.01	63.74	--	--	93.01	63.74	985.76	178.02
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	124.94	39.39	671.48	110.33	796.42	116.86	--	--	183.35	68.07	183.35	68.07	979.77	135.24
Total	2,547.86	291.62	1,388.78	171.97	3,936.63	337.64	197.87	97.22	337.84	80.39	535.71	125.65	4,472.34	359.60
Hardwoods:														
Alder / maple	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen / birch	19.18	16.18	38.91	25.92	58.08	30.54	2.86	3.19	--	--	2.86	3.19	60.94	30.70
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western oak	20.79	16.60	29.58	22.77	50.36	28.18	--	--	--	--	--	--	50.36	28.18
Woodland hardwoods	20.03	10.74	68.79	38.22	88.81	39.69	--	--	--	--	--	--	88.81	39.69
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	72.93	38.27	0.30	0.30	73.23	38.27	49.16	41.45	--	--	49.16	41.45	122.39	56.42
Total	132.92	45.95	137.57	51.46	270.49	68.95	52.02	41.57	--	--	52.02	41.57	322.51	80.52
Nonstocked	150.58	48.78	57.96	26.26	208.54	55.39	--	--	8.84	8.97	8.84	8.97	217.38	56.11
All forest types	2,831.37	299.71	1,584.30	180.87	4,415.67	348.82	249.89	106.30	346.68	82.71	596.57	133.99	5,012.24	372.90

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D61: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: Klamath Interior Coast Ranges

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	10,496.98	709.55	4.81	4.80	10,501.80	709.56	3,186.10	418.44	--	--	3,186.10	418.44	13,687.89	821.45
Douglas-fir	1,860.25	346.35	9.64	9.73	1,869.89	346.46	569.57	196.02	16.92	8.44	586.49	196.20	2,456.38	397.85
Fir / spruce / mountain hemlock	571.11	148.25	12.11	10.31	583.22	148.45	754.69	230.80	27.66	22.89	782.35	231.83	1,365.57	275.28
Western Hemlock / Sitka spruce	--	--	--	--	--	--	2.46	2.46	--	--	2.46	2.46	2.46	2.46
Lodgepole pine	8.87	8.52	--	--	8.87	8.52	8.91	6.32	2.36	2.41	11.27	6.77	20.14	10.88
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	428.51	115.88	--	--	428.51	115.88	75.58	44.27	18.83	15.25	94.41	46.82	522.91	124.97
Redwood	75.78	60.95	--	--	75.78	60.95	454.57	290.89	--	--	454.57	290.89	530.34	297.21
Western white pine	32.53	32.68	--	--	32.53	32.68	33.32	17.20	7.28	5.92	40.59	18.19	73.13	37.40
Other western softwoods	80.26	59.35	65.94	28.08	146.20	65.66	58.34	51.39	20.76	21.23	79.11	55.60	225.31	85.78
Total	13,554.29	802.43	92.50	31.82	13,646.79	802.61	5,143.54	577.31	93.81	36.73	5,237.35	578.07	18,884.14	984.22
Hardwoods:														
Alder / maple	366.08	151.81	87.80	70.70	453.87	167.47	268.89	177.65	135.26	103.23	404.15	205.46	858.03	265.07
Aspen / birch	--	--	--	--	--	--	--	--	2.45	2.50	2.45	2.50	2.45	2.50
Elm / ash / cottonwood	--	--	5.97	5.87	5.97	5.87	--	--	--	--	--	--	5.97	5.87
Tanoak / laurel	2,613.72	403.38	27.09	18.10	2,640.81	403.74	916.92	251.98	33.60	16.97	950.52	252.50	3,591.33	475.66
Western oak	3,246.99	384.82	2,512.50	308.88	5,759.49	490.53	435.37	131.88	524.00	130.99	959.37	186.12	6,718.86	523.53
Woodland hardwoods	--	--	2.06	1.86	2.06	1.86	--	--	2.58	1.83	2.58	1.83	4.64	2.61
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	614.08	180.71	3.49	2.50	617.57	180.73	54.74	48.07	4.34	4.33	59.08	48.27	676.65	187.07
Total	6,840.87	608.35	2,638.91	317.10	9,479.78	682.77	1,675.93	335.77	702.23	166.82	2,378.15	375.61	11,857.94	776.91
Nonstocked	436.96	131.64	20.64	20.81	457.60	133.27	495.34	179.70	--	--	495.34	179.70	952.94	223.72
All forest types	20,832.13	991.79	2,752.05	319.30	23,584.17	1,035.86	7,314.80	661.28	796.04	171.28	8,110.84	679.99	31,695.02	1,229.01

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D62: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: North Coast

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total		Total	SE
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons C</i>													
Softwoods:														
California mixed conifer	22.56	21.07	--	--	22.56	21.07	--	--	--	--	--	--	22.56	21.07
Douglas-fir	3,576.34	506.93	--	--	3,576.34	506.93	823.22	329.67	--	--	823.22	329.67	4,399.57	603.27
Fir / spruce / mountain hemlock	16.00	11.15	--	--	16.00	11.15	--	--	--	--	--	--	16.00	11.15
Western Hemlock / Sitka spruce	371.64	236.29	--	--	371.64	236.29	--	--	--	--	--	--	371.64	236.29
Lodgepole pine	--	--	--	--	--	--	1.57	1.60	--	--	1.57	1.60	1.57	1.60
Pinyon / juniper	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ponderosa pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Redwood	4,987.23	804.57	--	--	4,987.23	804.57	630.27	264.26	--	--	630.27	264.26	5,617.50	844.02
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	144.55	114.93	--	--	144.55	114.93	2.65	3.30	13.34	10.40	16.00	10.91	160.55	115.45
Total	9,118.33	972.26	--	--	9,118.33	972.26	1,457.72	406.84	13.34	10.40	1,471.06	406.97	10,589.39	1,047.63
Hardwoods:														
Alder / maple	487.74	154.66	13.68	13.44	501.42	155.24	38.61	29.96	--	--	38.61	29.96	540.03	158.06
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tanoak / laurel	4,279.72	512.95	186.25	87.70	4,465.96	519.33	613.59	172.56	47.85	36.25	661.44	176.22	5,127.40	546.41
Western oak	376.20	118.67	216.89	50.57	593.09	129.42	--	--	20.92	11.51	20.92	11.51	614.01	130.21
Woodland hardwoods	--	--	--	--	--	--	--	--	6.47	5.86	6.47	5.86	6.47	5.86
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	175.55	67.58	0.33	0.31	175.88	67.58	19.40	15.86	--	--	19.40	15.86	195.28	69.41
Total	5,319.20	547.67	417.14	101.85	5,736.34	555.40	671.61	185.28	75.24	38.48	746.84	189.11	6,483.18	584.39
Nonstocked	64.72	38.70	--	--	64.72	38.70	--	--	--	--	--	--	64.72	38.70
All forest types	14,502.25	1,091.24	417.14	101.85	14,919.39	1,093.70	2,129.33	439.49	88.58	39.86	2,217.90	441.09	17,137.29	1,169.09

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D63: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: Sierra Cascades

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	19,929.63	990.70	17.07	13.91	19,946.69	990.98	5,335.36	591.36	21.65	18.45	5,357.02	591.18	25,303.71	1,141.27
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	5,992.06	528.35	59.73	36.13	6,051.80	529.50	2,725.90	522.13	208.16	152.21	2,934.06	543.69	8,985.86	757.28
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1,402.88	282.18	69.68	35.28	1,472.56	284.29	1,853.22	399.60	667.01	161.85	2,520.23	425.63	3,992.79	511.44
Pinyon / juniper	12.06	12.16	370.80	118.90	382.86	119.52	2.60	4.02	303.54	111.37	306.14	111.44	689.00	163.30
Ponderosa pine	3,456.85	347.64	26.98	17.56	3,483.82	347.98	406.78	142.32	15.82	14.32	422.60	143.03	3,906.42	375.69
Redwood	41.07	37.63	--	--	41.07	37.63	--	--	--	--	--	--	41.07	37.63
Western white pine	106.96	56.52	--	--	106.96	56.52	156.55	71.02	77.41	51.49	233.96	87.52	340.92	104.18
Other western softwoods	175.60	54.72	306.15	77.76	481.75	94.84	438.60	142.06	728.88	200.55	1,167.47	245.19	1,649.22	262.85
Total	31,117.10	1,151.50	850.41	151.25	31,967.51	1,158.58	10,919.01	872.38	2,022.47	319.71	12,941.48	918.08	44,908.99	1,456.56
Hardwoods:														
Alder / maple	121.14	65.94	--	--	121.14	65.94	--	--	--	--	--	--	121.14	65.94
Aspen / birch	15.48	11.28	21.68	15.91	37.16	19.51	--	--	122.66	88.81	122.66	88.81	159.82	90.93
Elm / ash / cottonwood	--	--	6.77	7.08	6.77	7.08	--	--	--	--	--	--	6.77	7.08
Tanoak / laurel	380.78	203.06	11.91	6.80	392.70	203.17	--	--	--	--	--	--	392.70	203.17
Western oak	2,573.66	323.31	3,154.44	262.98	5,728.11	411.95	219.65	67.77	411.05	123.52	630.70	140.81	6,358.80	433.90
Woodland hardwoods	2.50	2.53	18.75	9.13	21.26	9.47	--	--	22.65	20.90	22.65	20.90	43.91	22.95
Exotic hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other hardwoods	355.45	139.32	126.57	41.31	482.02	145.31	--	--	0.56	0.60	0.56	0.60	482.58	145.32
Total	3,449.02	410.54	3,340.13	267.06	6,789.16	484.75	219.65	67.77	556.92	152.82	776.57	167.11	7,565.72	511.45
Nonstocked	1,348.35	228.60	80.35	40.15	1,428.71	232.04	370.91	272.94	264.27	113.21	635.18	295.46	2,063.89	375.69
All forest types	35,914.48	1,213.33	4,270.90	308.24	40,185.37	1,235.58	11,509.58	911.86	2,843.66	368.55	14,353.23	967.47	54,538.60	1,540.61

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table D64: Aboveground Carbon Mass of Down Dead Wood, by Forest Type and Forest Land Status,, 2007-2016: South Coast Mountains and Deserts

Forest type group	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>thousand metric tons C</i>														
Softwoods:														
California mixed conifer	207.43	107.97	--	--	207.43	107.97	164.70	77.38	--	--	164.70	77.38	372.13	132.83
Douglas-fir	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fir / spruce / mountain hemlock	44.11	40.92	--	--	44.11	40.92	--	--	--	--	--	--	44.11	40.92
Western Hemlock / Sitka spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	78.45	52.74	78.45	52.74	78.45	52.74
Pinyon / juniper	--	--	272.06	74.52	272.06	74.52	--	--	236.86	95.82	236.86	95.82	508.92	121.33
Ponderosa pine	15.22	9.10	--	--	15.22	9.10	109.46	72.53	13.65	13.67	123.12	73.81	138.34	74.36
Redwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other western softwoods	48.84	28.95	--	--	48.84	28.95	--	--	4.44	5.52	4.44	5.52	53.27	29.47
Total	315.59	119.35	272.06	74.52	587.65	140.67	274.17	105.90	333.40	110.23	607.57	152.86	1,195.22	207.70
Hardwoods:														
Alder / maple	--	--	5.79	4.05	5.79	4.05	--	--	--	--	--	--	5.79	4.05
Aspen / birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Elm / ash / cottonwood	--	--	--	--	--	--	--	--	1.10	1.50	1.10	1.50	1.10	1.50
Tanoak / laurel	--	--	--	--	--	--	--	--	5.28	5.19	5.28	5.19	5.28	5.19
Western oak	286.96	114.31	652.18	130.31	939.14	203.99	59.84	29.75	279.67	93.81	339.51	98.31	1,278.65	226.28
Woodland hardwoods	--	--	83.72	37.02	83.72	37.02	--	--	32.20	25.49	32.20	25.49	115.92	44.95
Exotic hardwoods	6.32	6.47	--	--	6.32	6.47	--	--	--	--	--	--	6.32	6.47
Other hardwoods	--	--	10.89	5.74	10.89	5.74	--	--	--	--	--	--	10.89	5.74
Total	293.28	114.50	752.59	135.53	1,045.87	207.43	59.84	29.75	318.24	97.36	378.08	101.70	1,423.95	230.84
Nonstocked	38.62	27.22	72.08	39.33	110.70	47.83	78.40	82.12	5.06	4.40	83.46	82.23	194.16	95.13
All forest types	647.49	167.32	1,096.73	159.11	1,744.22	254.58	412.40	137.17	656.70	146.66	1,069.10	199.67	2,813.33	322.77

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table E1: Annual change in forest land area to/from other IPCC landuse classes in California, 2001-6 to 2011-16.

	Timberland		Other forest		Reserved		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE
<i>Acres per year</i>								
Forest to nonforest:								
Cropland	1,212	931	2,979	1,427	--	--	4,191	1,704
Developed	8,612	2,018	7,062	1,970	549	329	16,223	2,836
Grassland	2,721	1,642	5,616	2,260	932	875	9,269	2,928
Other	--	--	--	--	359	373	359	373
Water	762	611	500	387	173	145	1,434	737
Total	13,307	2,847	16,156	3,357	2,013	1,020	31,476	4,514
Nonforest to forest:								
Cropland	300	183	--	--	--	--	300	183
Developed	4,066	1,118	1,072	400	80	63	5,219	1,189
Grassland	3,174	1,415	2,239	1,060	46	49	5,459	1,768
Other	--	--	141	146	--	--	141	146
Water	42	44	285	217	--	--	327	222
Total	7,583	1,817	3,737	1,162	126	80	11,446	2,155
Net change to forest land:								
Cropland	-912	949	-2,979	1,427	--	--	-3,891	1,714
Developed	-4,546	2,312	-5,990	2,002	-469	335	-11,004	3,081
Grassland	453	2,169	-3,377	2,487	-886	877	-3,810	3,416
Other	--	--	141	146	-359	373	-218	400
Water	-720	613	-215	444	-173	145	-1,107	770
Total	-5,725	3,390	-12,419	3,543	-1,886	1,023	-20,030	5,012

Note: Totals may be off because of rounding

Forest land that is capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Forest land that is not capable of producing in excess of 20 cubic feet per acre per year of wood at culmination of mean annual increment.

Table E2: Annual change in carbon pools due to change in land use between forest and nonforest in California, 2001-6 to 2011-16

	Forest to nonforest		Nonforest to forest		Net change	
	Total	SE	Total	SE	Total	SE
Carbon pool	<i>Thousand metric tons CO2 equivalent per year</i>					
Live tree	-2,072	331	1,064	239	-1,008	409
Standing dead	-214	132	32	10	-182	133
Down wood	-235	58	59	25	-176	64
Understory veg	-310	50	127	24	-183	56
Soil*	0	0	0	0	0	0
All pools	-2,831	434	1,282	263	-1,549	509

* No changes in landuse involved cultivated land so soil organic carbon change was assumed to be zero (Ogle et al. 2003)

Table F1 - Annual Net Emissions of Non-CO2 Greenhouse Gases from Fire, 2001-2006 to 2011-2016: All California

	Public						Private						Total	
	National Forest		Other Federal		State and local govt.		Corporate		Non Corporate		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
	<i>thousand metric tons CO2 equivalent per year</i>													
Cut and Fire														
CO2	-768	361	--	--	-80	87	-1,344	520	-60	59	-1,404	523	-2,252	642
CH4	-25	12	--	--	-3	3	-43	17	-2	2	-45	17	-72	21
N2O	-16	8	--	--	-2	2	-28	11	-1	1	-30	11	-48	14
Fire														
CO2	-5,519	816	-577	466	-139	110	-324	164	-60	120	-384	203	-6,620	968
CH4	-177	26	-18	15	-4	4	-10	5	-2	4	-12	6	-212	31
N2O	-117	17	-12	10	-3	2	-7	3	-1	3	-8	4	-140	20
Total Fire														
CO2	-6,288	891	-577	466	-219	138	-1,669	544	-120	159	-1,788	567	-8,872	1,163
CH4	-201	29	-18	15	-7	4	-53	17	-4	5	-57	18	-284	37
N2O	-133	19	-12	10	-5	3	-35	11	-3	3	-38	12	-187	25

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