

Ayturan Z.C., Kongoli C., Kunt F., 2024. Investigation of the effects of tree species on air quality using i-Tree software: A case study in California.

Table S1 Forest Details (2011 NLCD).

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	San Bernardino	06071	California Mixed Conifer (43.59%) Fir/Spruce/Mountain Hemlock (0.01%) Lodgepole Pine (4.01%) Other Western Hardwoods (1.29%)Pinyon/Juniper (19.23%) Ponderosa Pine (6.09%) Western Oak (25.78%)	Data not available	Data not available
NLCD 2011	County	Kern	06029	California Mixed Conifer (11.96%) Fir/Spruce/Mountain Hemlock (0.02%) Other Western Hardwoods (0.01%) Pinyon/Juniper (6.95%) Ponderosa Pine (7.30%) Redwood (0.01%) Western Oak (73.74%)	Data not available	Data not available
Selection Total:				Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%)Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%)Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0



Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	San Luis Obispo	06079	Exotic Hardwoods (2.55%) Ponderosa Pine (0.20%) Tanoak/Laurel (1.55%) Western Oak (95.70%)	Data not available	Data not available
NLCD 2011	County	Tehama	06103	California Mixed Conifer (55.97%) Fir/Spruce/Mountain Hemlock (4.70%) Lodgepole Pine (0.30%) Other Western Softwood (0.28%) Pinyon/Juniper (0.02%) Ponderosa Pine (1.97%) Western Oak (36.72%) Western White Pine (0.03%)	Data not available	Data not available
NLCD 2011 County Colusa 06011				California Mixed Conifer (53.94%) Douglas-fir (0.03%) Fir/Spruce/Mountain Hemlock (4.21%) Other Western Hardwoods (0.03%) Other Western Softwood (4.69%) Ponderosa Pine (1.21%) Tanoak/Laurel (0.08%) Western Oak (35.82%)	Data not available	Data not available
NLCD 2011	County	Monterey	06053	Alder/Maple (0.60%) California Mixed Conifer (0.14%) Douglas-fir (0.02%) Lodgepole Pine (0.05%) Other Western Hardwoods (2.75%) Ponderosa Pine (0.10%) Redwood (1.35%) Tanoak/Laurel (4.09%) Western Oak (90.91%)	Data not available	Data not available
NLCD 2011	County	Placer	06061	Aspen/Birch (0.02%) California Mixed Conifer (48.10%) Fir/Spruce/Mountain Hemlock (21.15%) Lodgepole Pine (2.53%) Pinyon/Juniper (0.25%) Ponderosa Pine (2.85%) Redwood (0.02%) Tanoak/Laurel (0.01%) Western Oak (25.02%) Western White Pine (0.06%)	Data not available	Data not available
NLCD 2011	County	Amador	06005	Aspen/Birch (0.03%) California Mixed Conifer (34.91%) Fir/Spruce/Mountain Hemlock (10.30%) Lodgepole Pine (9.66%) Other Western Hardwoods (0.58%) Pinyon/Juniper (0.65%) Ponderosa Pine (2.33%) Western Oak (41.36%) Western White Pine (0.19%)	Data not available	Data not available
NLCD 2011	County	Calaveras	06009	California Mixed Conifer (39.90%) Fir/Spruce/Mountain Hemlock (5.08%) Lodgepole Pine (0.17%) Other Western Hardwoods (0.04%) Ponderosa Pine (2.09%) Western Oak (52.72%)	Data not available	Data not available

Selection Total:	Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0
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Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Siskiyou	06093	Alder/Maple (0.01%) Aspen/Birch (0.04%) California Mixed Conifer (62.99%) Douglas-fir (1.51%) Fir/Spruce/Mountain Hemlock (11.33%) Lodgepole Pine (0.88%) Other Western Hardwoods (0.19%) Other Western Softwood (0.04%) Pinyon/Juniper (2.62%) Ponderosa Pine (15.16%) Tanoak/Laurel (1.74%) Western Oak (3.47%) Western White Pine (0.02%)	Data not available	Data not available
NLCD 2011	County	Sonoma	06097	California Mixed Conifer (2.34%) Douglas-fir (2.94%) Fir/Spruce/Mountain Hemlock (0.24%) Other Western Hardwoods (3.55%) Other Western Softwood (0.15%) Ponderosa Pine (0.06%) Redwood (15.20%) Tanoak/Laurel (40.41%) Western Oak (35.11%) Western White Pine (0.01%)	Data not available	Data not available
NLCD 2011	County	Santa Clara	06085	Douglas-fir (1.70%) Exotic Hardwoods (0.02%) Other Western Softwood (1.31%) Redwood (8.05%) Tanoak/Laurel (12.77%) Western Oak (76.16%)	Data not available	Data not available
NLCD 2011	County	Yolo	06113	California Mixed Conifer (0.32%) Western Oak (99.68%)	Data not available	Data not available

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Mendocino	06045	Alder/Maple (0.15%) California Mixed Conifer (12.17%) Douglas-fir (5.33%) Fir/Spruce/Mountain Hemlock (0.76%) Other Western Hardwoods (1.69%) Other Western Softwood (0.10%) Ponderosa Pine (0.77%) Redwood (14.42%) Tanoak/Laurel (38.23%) Western Oak (26.40%)	Data not available	Data not available
NLCD 2011	County	Sacramento	06067	Data not available	Data not available	Data not available
NLCD 2011	County	Madera	06039	Aspen/Birch (0.11%) California Mixed Conifer (28.98%) Fir/Spruce/Mountain Hemlock (13.95%) Lodgepole Pine (13.36%) Other Western Softwood (2.28%) Pinyon/Juniper (0.73%) Ponderosa Pine (3.22%) Western Oak (37.04%) Western White Pine (0.33%)	Data not available	Data not available
NLCD 2011 County Yuba 06115				California Mixed Conifer (59.48%) Fir/Spruce/Mountain Hemlock (0.01%) Ponderosa Pine (0.10%) Tanoak/Laurel (0.23%) Western Oak (40.18%)	Data not available	Data not available
Selection Total:				Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0



Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Plumas	06063	California Mixed Conifer (61.68%) Fir/Spruce/Mountain Hemlock (13.40%) Lodgepole Pine (1.27%) Pinyon/Juniper (0.62%) Ponderosa Pine (20.58%) Western Oak (2.45%)	Data not available	Data not available
NLCD 2011	County	San Benito	06069	Western Oak (100.00%)	Data not available	Data not available

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft²(square feet))
NLCD 2011	County	Shasta	06089	Alder/Maple (0.12%) California Mixed Conifer (61.35%) Douglas-fir (0.64%) Fir/Spruce/Mountain Hemlock (4.76%) Lodgepole Pine (0.87%) Other Western Hardwoods (0.04%) Other Western Softwood (0.01%) Pinyon/Juniper (0.14%) Ponderosa Pine (6.02%) Tanoak/Laurel (0.16%) Western Oak (25.86%) Western White Pine (0.03%)	Data not available	Data not available
NLCD 2011	County	Stanislaus	06099	Western Oak (100.00%)	Data not available	Data not available
NLCD 2011	County	Mariposa	06043	Aspen/Birch (0.01%) California Mixed Conifer (29.61%) Fir/Spruce/Mountain Hemlock (7.99%) Lodgepole Pine (7.48%) Other Western Softwood (0.70%) Pinyon/Juniper (1.38%) Ponderosa Pine (2.27%) Western Oak (50.34%) Western White Pine (0.23%)	Data not available	Data not available
NLCD 2011	County	Sutter	06101	Western Oak (100.00%)	Data not available	Data not available
NLCD 2011	County	Fresno	06019	Aspen/Birch (0.01%) California Mixed Conifer (27.45%) Fir/Spruce/Mountain Hemlock (8.50%) Lodgepole Pine (31.17%) Other Western Softwood (2.39%) Pinyon/Juniper (1.86%) Ponderosa Pine (3.85%) Redwood (0.04%) Western Oak (24.44%) Western White Pine (0.28%)	Data not available	Data not available
NLCD 2011	County	Marin	06041	California Mixed Conifer (11.34%) Douglas-fir (40.71%) Fir/Spruce/Mountain Hemlock (0.47%) Other Western Softwood (23.26%) Redwood (18.53%) Tanoak/Laurel (0.22%) Western Oak (5.47%)	Data not available	Data not available
NLCD 2011 County Glenn 06021				California Mixed Conifer (60.59%) Fir/Spruce/Mountain Hemlock (4.69%) Other Western Hardwoods (0.01%) Other Western Softwood (0.49%) Ponderosa Pine (3.03%) Western Oak (31.14%) Western White Pine (0.06%)	Data not available	Data not available

Selection Total:	Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0
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Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Lassen	06035	Aspen/Birch (0.06%) California Mixed Conifer (32.06%) Douglas-fir (0.04%) Fir/Spruce/Mountain Hemlock (7.47%) Lodgepole Pine (2.84%) Other Western Softwood (0.08%) Pinyon/Juniper (11.61%) Ponderosa Pine (44.90%) Western Oak (0.95%)	Data not available	Data not available
NLCD 2011	County	Del Norte	06015	Alder/Maple (1.20%) California Mixed Conifer (12.71%) Douglas-fir (48.65%) Fir/Spruce/Mountain Hemlock (0.92%) Other Western Hardwoods (0.49%) Other Western Softwood (0.02%) Ponderosa Pine (0.06%) Redwood (11.01%) Tanoak/Laurel (17.71%) Western Oak (0.11%) Western White Pine (7.12%)	Data not available	Data not available
NLCD 2011	County	Napa	06055	California Mixed Conifer (3.21%) Douglas-fir (8.84%) Fir/Spruce/Mountain Hemlock (0.11%) Other Western Hardwoods (2.50%) Other Western Softwood (1.31%) Ponderosa Pine (0.03%) Tanoak/Laurel (9.76%) Western Oak (74.25%)	Data not available	Data not available
NLCD 2011	County	San Mateo	06081	California Mixed Conifer (0.15%) Douglas-fir (2.14%) Other Western Hardwoods (0.15%) Other Western Softwood (2.87%) Redwood (27.24%) Tanoak/Laurel (39.95%) Western Oak (27.49%)	Data not available	Data not available

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Nevada	06057	Aspen/Birch (0.01%) California Mixed Conifer (43.45%) Fir/Spruce/Mountain Hemlock (15.25%) Lodgepole Pine (6.14%) Pinyon/Juniper (0.25%) Ponderosa Pine (11.69%) Western Oak (23.05%) Western White Pine (0.16%)	Data not available	Data not available
NLCD 2011	County	San Joaquin	06077	Western Oak (100.00%)	Data not available	Data not available
NLCD 2011	County	Trinity	06105	Alder/Maple (0.45%) California Mixed Conifer (79.12%) Douglas-fir (0.55%) Fir/Spruce/Mountain Hemlock (3.91%) Other Western Hardwoods (0.10%) Ponderosa Pine (0.42%) Tanoak/Laurel (0.69%) Western Oak (14.50%) Western White Pine (0.25%)	Data not available	Data not available
NLCD 2011	County	Contra Costa	06013	Douglas-fir (0.25%) Tanoak/Laurel (4.98%) Western Oak (94.78%)	Data not available	Data not available
Selection Total:				Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0



Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Santa Cruz	06087	California Mixed Conifer (0.08%) Douglas-fir (1.31%) Other Western Hardwoods (0.03%) Other Western Softwood (1.65%) Pinyon/Juniper (0.01%) Redwood (25.37%) Tanoak/Laurel (35.42%) Western Oak (36.13%)	Data not available	Data not available
NLCD 2011	County	Kings	06031	Data not available	Data not available	Data not available

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft²(square feet))
NLCD 2011	County	Humboldt	06023	Alder/Maple (0.64%) California Mixed Conifer (12.02%) Douglas-fir (23.98%) Fir/Spruce/Mountain Hemlock (0.85%) Other Western Hardwoods (0.37%) Other Western Softwood (0.09%) Ponderosa Pine (0.39%) Redwood (15.13%) Tanoak/Laurel (37.29%) Western Oak (9.23%)	Data not available	Data not available
NLCD 2011	County	Solano	06095	Douglas-fir (2.05%) Other Western Hardwoods (0.68%) Western Oak (97.26%)	Data not available	Data not available
NLCD 2011	County	Merced	06047	Western Oak (100.00%)	Data not available	Data not available
NLCD 2011	County	Tuolumne	06109	Aspen/Birch (0.17%) California Mixed Conifer (37.89%) Fir/Spruce/Mountain Hemlock (15.68%) Lodgepole Pine (16.11%) Other Western Softwood (0.72%) Pinyon/Juniper (2.47%) Ponderosa Pine (3.83%) Western Oak (22.63%) Western White Pine (0.50%)	Data not available	Data not available
NLCD 2011	County	Butte	06007	California Mixed Conifer (46.10%) Fir/Spruce/Mountain Hemlock (5.35%) Lodgepole Pine (0.14%) Ponderosa Pine (0.81%) Tanoak/Laurel (0.36%) Western Oak (47.25%)	Data not available	Data not available
NLCD 2011	County	Sierra	06091	Aspen/Birch (0.01%) California Mixed Conifer (47.94%) Fir/Spruce/Mountain Hemlock (21.81%) Lodgepole Pine (1.67%) Pinyon/Juniper (0.56%) Ponderosa Pine (22.29%) Western Oak (5.69%) Western White Pine (0.04%)	Data not available	Data not available
NLCD 2011 County Lake 06033				California Mixed Conifer (46.31%) Douglas-fir (1.20%) Fir/Spruce/Mountain Hemlock (2.12%) Other Western Hardwoods (2.17%) Other Western Softwood (0.72%) Ponderosa Pine (4.27%) Tanoak/Laurel (2.03%) Western Oak (41.19%)	Data not available	Data not available

Selection Total:	Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0
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Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Modoc	06049	Aspen/Birch (0.14%) California Mixed Conifer (8.48%) Fir/Spruce/Mountain Hemlock (11.32%) Lodgepole Pine (0.30%) Other Western Softwood (0.49%) Pinyon/Juniper (30.00%) Ponderosa Pine (48.72%) Western Oak (0.56%)	Data not available	Data not available
NLCD 2011	County	El Dorado	06017	Aspen/Birch (0.03%) California Mixed Conifer (53.90%) Fir/Spruce/Mountain Hemlock (13.05%) Lodgepole Pine (5.86%) Other Western Softwood (0.03%) Pinyon/Juniper (0.49%) Ponderosa Pine (5.20%) Redwood (0.01%) Western Oak (21.27%) Western White Pine (0.16%)	Data not available	Data not available
NLCD 2011	County	Alameda	06001	Douglas-fir (1.18%) Tanoak/Laurel (21.89%) Western Oak (76.92%)	Data not available	Data not available
NLCD 2011	County	San Francisco	06075	Ponderosa Pine (10.00%) Western Oak (90.00%)	Data not available	Data not available
NLCD 2011	County	Orange	06059	Western Oak (100.00%)	Data not available	Data not available
NLCD 2011	County	Santa Barbara	06083	California Mixed Conifer (0.30%) Exotic Hardwoods (0.02%) Other Western Hardwoods (1.38%) Pinyon/Juniper (0.71%) Ponderosa Pine (7.25%) Tanoak/Laurel (0.67%) Western Oak (89.68%)	Data not available	Data not available

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Mono	06051	Aspen/Birch (0.82%) California Mixed Conifer (2.99%) Fir/Spruce/Mountain Hemlock (5.49%) Lodgepole Pine (16.82%) Other Western Hardwoods (0.40%) Other Western Softwood (13.36%) Pinyon/Juniper (38.85%) Ponderosa Pine (20.79%) Western White Pine (0.48%)	Data not available	Data not available
NLCD 2011	County	Imperial	06025	Other Western Hardwoods (95.53%) Pinyon/Juniper (4.47%)	Data not available	Data not available
NLCD 2011	County	Tulare	06107	California Mixed Conifer (31.38%) Fir/Spruce/Mountain Hemlock (4.80%) Lodgepole Pine (17.46%) Other Western Softwood (0.87%) Pinyon/Juniper (7.06%) Ponderosa Pine (9.93%) Redwood (0.08%) Western Oak (28.30%) Western White Pine (0.12%)	Data not available	Data not available
NLCD 2011 County San Diego 06073				California Mixed Conifer (2.20%) Other Western Hardwoods (0.55%) Pinyon/Juniper (0.27%) Ponderosa Pine (1.97%) Western Oak (95.01%)	Data not available	Data not available
Selection Total:				Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0



Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Alpine	06003	Aspen/Birch (0.55%) California Mixed Conifer (20.78%) Fir/Spruce/Mountain Hemlock (29.01%) Lodgepole Pine (25.41%) Other Western Softwood (3.82%) Pinyon/Juniper (6.78%) Ponderosa Pine (12.88%) Western Oak (0.02%) Western White Pine (0.75%)	Data not available	Data not available

Dataset	Type	Name	ID	Forest Type Groups	Basal Area by Species(Top 10)	Total Basal Area (ft ² (square feet))
NLCD 2011	County	Riverside	06065	California Mixed Conifer (20.32%) Lodgepole Pine (0.51%) Other Western Hardwoods (1.28%) Pinyon/Juniper (3.58%) Ponderosa Pine (24.61%) Western Oak (49.71%)	Data not available	Data not available
NLCD 2011	County	Ventura	06111	California Mixed Conifer (15.89%) Other Western Hardwoods (0.01%) Pinyon/Juniper (19.38%) Ponderosa Pine (20.31%) Tanoak/Laurel (0.01%) Western Oak (44.41%)	Data not available	Data not available
NLCD 2011	County	L o s Angeles	06037	California Mixed Conifer (22.47%) Lodgepole Pine (3.72%) Other Western Hardwoods (0.02%) Pinyon/Juniper (3.06%) Ponderosa Pine (15.06%) Tanoak/Laurel (5.19%) Western Oak (50.50%)	Data not available	Data not available
NLCD 2011	County	Inyo	06027	Aspen/Birch (1.60%) California Mixed Conifer (1.38%) Fir/Spruce/Mountain Hemlock (0.16%) Lodgepole Pine (11.89%) Other Western Hardwoods (1.46%) Other Western Softwood (9.31%) Pinyon/Juniper (70.78%) Ponderosa Pine (3.06%) Western Oak (0.30%) Western White Pine (0.06%)	Data not available	Data not available
Selection Total:				Alder/Maple (0.12%) Aspen/Birch (0.08%) California Mixed Conifer (37.34%) Douglas-fir (3.11%) Fir/Spruce/Mountain Hemlock (7.42%) Lodgepole Pine (5.15%) Other Western Hardwoods (0.34%) Other Western Softwood (0.97%) Pinyon/Juniper (5.75%) Ponderosa Pine (10.39%) Redwood (2.29%) Tanoak/Laurel (5.62%) Western Oak (21.17%) Western White Pine (0.25%)	Data not available	0.0

Table S2 Population (Census/Other).

Dataset	Type	Name	ID	Population	Under 5	% Under 5	Under 18	% Under 18	Over 64	% Over 64	Median Age	Minority %
census	County	San Bernardino	06071	2,035,210.0	158,790.0	7.80	594,588.0	29.22	181,348.0	8.91	31.7	43.34
census	County	Kern	06029	839,631.0	72,885.0	8.68	254,081.0	30.26	75,437.0	8.98	30.7	40.48
census	County	San Luis Obispo	06079	269,637.0	13,343.0	4.95	50,841.0	18.86	41,022.0	15.21	39.4	17.39
census	County	Tehama	06103	63,463.0	4,409.0	6.95	16,160.0	25.46	10,071.0	15.87	39.5	18.50
census	County	Colusa	06011	21,419.0	1,841.0	8.60	6,410.0	29.93	2,495.0	11.65	33.5	35.32
census	County	Monterey	06053	415,057.0	32,547.0	7.84	111,013.0	26.75	44,422.0	10.70	32.9	44.41
census	County	Placer	06061	348,432.0	20,851.0	5.98	85,085.0	24.42	53,562.0	15.37	40.3	16.49
census	County	Amador	06005	38,091.0	1,431.0	3.76	6,393.0	16.78	7,865.0	20.65	48.2	12.97
census	County	Calaveras	06009	45,578.0	1,992.0	4.37	8,943.0	19.62	9,565.0	20.99	49.2	11.09
census	County	Siskiyou	06093	44,900.0	2,473.0	5.51	9,325.0	20.77	8,782.0	19.56	47.0	15.30
census	County	Sonoma	06097	483,878.0	28,199.0	5.83	106,471.0	22.00	67,364.0	13.92	39.9	23.24
census	County	Santa Clara	06085	1,781,642.0	124,464.0	6.99	429,545.0	24.11	196,944.0	11.05	36.2	53.04
census	County	Yolo	06113	200,849.0	12,577.0	6.26	45,631.0	22.72	19,771.0	9.84	30.4	36.83
census	County	Mendocino	06045	87,841.0	5,347.0	6.09	19,461.0	22.15	13,493.0	15.36	41.5	23.48
census	County	Sacramento	06067	1,418,788.0	101,063.0	7.12	363,053.0	25.59	158,551.0	11.18	34.8	42.55
census	County	Madera	06039	150,865.0	11,983.0	7.94	42,849.0	28.40	17,262.0	11.44	33.0	37.39
census	County	Yuba	06115	72,155.0	6,217.0	8.62	20,990.0	29.09	7,255.0	10.05	32.1	31.63
census	County	Plumas	06063	20,007.0	883.0	4.41	3,601.0	18.00	4,154.0	20.76	49.6	11.05
census	County	San Benito	06069	55,269.0	4,092.0	7.40	16,066.0	29.07	5,360.0	9.70	34.3	36.35
census	County	Shasta	06089	177,223.0	10,268.0	5.79	39,652.0	22.37	29,967.0	16.91	41.8	13.26
census	County	Stanislaus	06099	514,453.0	39,779.0	7.73	147,158.0	28.60	54,831.0	10.66	32.9	34.43
census	County	Mariposa	06043	18,251.0	775.0	4.25	3,242.0	17.76	3,821.0	20.94	49.2	11.77
census	County	Sutter	06101	94,737.0	7,153.0	7.55	26,112.0	27.56	11,990.0	12.66	34.5	39.04
census	County	Fresno	06019	930,450.0	78,980.0	8.49	277,507.0	29.83	93,421.0	10.04	30.6	44.63
census	County	Marin	06041	252,409.0	13,932.0	5.52	52,214.0	20.69	42,192.0	16.72	44.5	19.99
census	County	Glenn	06021	28,122.0	2,178.0	7.74	7,865.0	27.97	3,737.0	13.29	35.3	28.92
census	County	Lassen	06035	34,895.0	1,625.0	4.66	6,293.0	18.03	3,474.0	9.96	37.1	26.83
census	County	Del Norte	06015	28,610.0	1,703.0	5.95	6,138.0	21.45	3,873.0	13.54	39.1	26.26
census	County	Napa	06055	136,484.0	8,131.0	5.96	31,486.0	23.07	20,594.0	15.09	39.7	28.54
census	County	San Mateo	06081	718,451.0	46,360.0	6.45	159,772.0	22.24	96,262.0	13.40	39.3	46.62
census	County	Nevada	06057	98,764.0	4,365.0	4.42	19,106.0	19.35	19,174.0	19.41	47.6	8.64
census	County	San Joaquin	06077	685,306.0	54,228.0	7.91	200,724.0	29.29	71,181.0	10.39	32.7	49.03
census	County	Trinity	06105	13,786.0	618.0	4.48	2,520.0	18.28	2,769.0	20.09	49.3	12.72
census	County	Contra Costa	06013	1,049,025.0	67,018.0	6.39	260,505.0	24.83	130,438.0	12.43	38.5	41.42
census	County	Santa Cruz	06087	262,382.0	15,045.0	5.73	55,418.0	21.12	29,158.0	11.11	36.9	27.51
census	County	Kings	06031	152,982.0	12,877.0	8.42	42,548.0	27.81	12,030.0	7.86	31.1	45.73
census	County	Humboldt	06023	134,623.0	7,738.0	5.75	27,061.0	20.10	17,725.0	13.17	37.1	18.35
census	County	Solano	06095	413,344.0	26,852.0	6.50	101,535.0	24.56	46,847.0	11.33	36.9	49.01
census	County	Merced	06047	255,793.0	22,226.0	8.69	80,698.0	31.55	23,960.0	9.37	29.6	41.99
census	County	Tuolumne	06109	55,365.0	2,328.0	4.20	9,682.0	17.49	11,294.0	20.40	47.3	12.81
Selection Total:				37,253,956.0	2,531,333.0	6.79	9,295,040.0	24.95	4,246,514.0	11.40	N/A	42.61



Dataset	Type	Name	ID	Population	Under 5	% Under 5	Under 18	% Under 18	Over 64	% Over 64	Median Age	Minority %
census	County	Butte	06007	220,000.0	12,409.0	5.64	46,168.0	20.99	33,817.0	15.37	37.2	18.14
census	County	Sierra	06091	3,240.0	147.0	4.54	552.0	17.04	676.0	20.86	50.9	6.73
census	County	Lake	06033	64,665.0	3,633.0	5.62	13,672.0	21.14	11,440.0	17.69	45.0	19.53
census	County	Modoc	06049	9,686.0	545.0	5.63	2,124.0	21.93	1,905.0	19.67	46.1	16.54
census	County	El Dorado	06017	181,058.0	9,513.0	5.25	41,175.0	22.74	26,524.0	14.65	43.6	13.40
census	County	Alameda	06001	1,510,271.0	97,652.0	6.47	340,621.0	22.55	167,746.0	11.11	36.6	57.02
census	County	San Francisco	06075	805,235.0	35,203.0	4.37	107,524.0	13.35	109,842.0	13.64	38.5	51.52
census	County	Orange	06059	3,010,232.0	191,691.0	6.37	736,659.0	24.47	349,677.0	11.62	36.2	39.18
census	County	Santa Barbara	06083	423,895.0	27,350.0	6.45	98,047.0	23.13	54,398.0	12.83	33.6	30.38
census	County	Mono	06051	14,202.0	893.0	6.29	2,979.0	20.98	1,377.0	9.70	37.2	17.64
census	County	Imperial	06025	174,528.0	13,526.0	7.75	51,098.0	29.28	18,152.0	10.40	31.9	41.24
census	County	Tulare	06107	442,179.0	41,074.0	9.29	144,124.0	32.59	41,779.0	9.45	29.6	39.93
census	County	San Diego	06073	3,095,313.0	203,423.0	6.57	724,168.0	23.40	351,425.0	11.35	34.6	35.99
census	County	Alpine	06003	1,175.0	71.0	6.04	256.0	21.79	166.0	14.13	46.7	25.02
census	County	Riverside	06065	2,189,641.0	162,438.0	7.42	620,108.0	28.32	258,586.0	11.81	33.7	39.02
census	County	Ventura	06111	823,318.0	55,336.0	6.72	211,915.0	25.74	96,309.0	11.70	36.2	31.28
census	County	Los Angeles	06037	9,818,605.0	645,793.0	6.58	2,402,208.0	24.47	1,065,699.0	10.85	34.8	49.72
census	County	Inyo	06027	18,546.0	1,070.0	5.77	3,900.0	21.03	3,535.0	19.06	45.6	25.91
Selection Total:				37,253,956.0	2,531,333.0	6.79	9,295,040.0	24.95	4,246,514.0	11.40	N/A	42.61

Table S3 Air Quality (2011 NLCD)

Dataset	Type	Name	ID	Avg O ₃ (ppb (parts per billion))	Max O ₃ (ppb (parts per billion))	Month with Max O ₃	Avg Future O ₃ Difference (ppb (parts per billion))	Avg PM2.5 (µg/m ³ (microgram per cubic meter))	Max PM2.5 (µg/m ³ (microgram per cubic meter))	Max Month PM2.5
NLCD 2011	County	San Bernardino	06071	51.7	93.9	August	3.0	7.5	26.3	December
NLCD 2011	County	Kern	06029	52.3	106.9	July	3.0	11.7	57.2	December
NLCD 2011	County	San Luis Obispo	06079	45.1	75.3	July	2.0	10.6	39.1	July
NLCD 2011	County	Tehama	06103	42.1	85.7	July	4.0	10.8	85.9	July
NLCD 2011	County	Colusa	06011	39.5	73.4	June	3.0	10.0	98.2	June
NLCD 2011	County	Monterey	06053	41.0	69.8	September	2.0	9.4	50.8	July
NLCD 2011	County	Placer	06061	44.8	96.2	July	4.0	10.3	101.1	July
NLCD 2011	County	Amador	06005	48.6	98.6	July	4.0	10.1	76.4	June
NLCD 2011	County	Calaveras	06009	48.6	101.9	July	4.0	10.0	75.4	June
NLCD 2011	County	Siskiyou	06093	39.6	89.1	July	3.0	8.9	77.9	November
NLCD 2011	County	Sonoma	06097	34.1	64.4	July	3.0	9.7	100.6	June
NLCD 2011	County	Santa Clara	06085	38.9	77.4	September	3.0	10.6	56.0	July
NLCD 2011	County	Yolo	06113	39.9	79.4	July	3.0	10.8	101.7	June
NLCD 2011	County	Mendocino	06045	34.0	69.6	July	3.0	9.6	97.6	July
NLCD 2011	County	Sacramento	06067	43.7	99.5	July	3.0	12.7	85.7	June
NLCD 2011	County	Madera	06039	50.7	105.4	July	4.0	10.9	72.9	June
NLCD 2011	County	Yuba	06115	44.8	105.6	June	4.0	11.1	96.8	July
NLCD 2011	County	Plumas	06063	45.7	95.3	June	4.0	10.2	104.7	July
NLCD 2011	County	San Benito	06069	45.0	89.4	September	2.0	9.4	50.0	July
NLCD 2011	County	Shasta	06089	42.1	88.9	June	4.0	9.8	69.3	July

Table S4: Tree Benefit

Total Air Pollution Removal (High Resolution UTC)

Dataset	Type	Name	ID	\$/yr	kg/yr (kilogramsper year)	Health Incidence	Emergency Room Visits	Hospital Admissions	Acute Respiratory Symptoms	Asthma Exacerbation	Mortality	School Loss Days
NLCD 2011	County	San Bernardino	06071	167,853	3,624,710.5	24	0.01	0.02	12.55	5.31	0.00	5.83
NLCD 2011	County	Kern	06029	453,314	11,164,495.5	63	0.03	0.07	29.95	18.49	0.02	13.68
NLCD 2011	County	San Luis Obispo	06079	931,688	13,948,575.8	99	0.03	0.06	64.66	14.08	0.05	19.08
NLCD 2011	County	Tehama	06103	1,483,434	18,670,943.3	121	0.08	0.08	56.56	43.44	0.14	14.30
NLCD 2011	County	Colusa	06011	19,111	966,188.9	5	0.00	0.00	2.15	1.97	0.00	0.84
NLCD 2011	County	Monterey	06053	860,873	13,655,761.4	133	0.06	0.11	69.52	33.97	0.04	27.75
NLCD 2011	County	Placer	06061	844,709	15,033,823.8	119	0.02	0.07	63.01	30.04	0.05	25.05
NLCD 2011	County	Amador	06005	247,395	3,266,415.9	28	0.00	0.02	16.44	6.66	0.02	3.84
NLCD 2011	County	Calaveras	06009	413,848	7,648,274.3	63	0.03	0.07	27.77	26.23	0.03	8.30
NLCD 2011	County	Siskiyou	06093	2,039,588	45,585,208.3	93	0.03	0.07	53.63	21.89	0.10	14.88
NLCD 2011	County	Sonoma	06097	1,254,788	4,949,505.8	185	0.10	0.13	64.18	105.00	0.13	8.02
NLCD 2011	County	Santa Clara	06085	556,263	8,689,627.2	143	0.04	0.09	67.53	50.66	0.04	22.50
NLCD 2011	County	Yolo	06113	35,064	609,178.1	5	0.00	0.00	2.64	1.32	0.00	0.78
NLCD 2011	County	Mendocino	06045	3,423,362	35,240,701.5	239	0.15	0.18	109.82	94.28	0.18	27.05
NLCD 2011	County	Sacramento	06067	2,503,568	488,075.2	642	0.29	0.47	305.08	213.93	0.26	112.31
NLCD 2011	County	Madera	06039	794,783	12,516,990.5	81	0.07	0.04	32.46	37.11	0.04	8.51
NLCD 2011	County	Yuba	06115	241,646	4,967,682.8	30	0.01	0.03	16.42	7.11	0.01	6.49
NLCD 2011	County	Plumas	06063	1,077,185	31,213,269.8	41	0.03	0.04	24.90	9.06	0.03	5.45
NLCD 2011	County	San Benito	06069	91,846	2,859,336.9	17	0.00	0.01	8.49	4.16	0.00	4.12
NLCD 2011	County	Shasta	06089	2,487,622	41,604,832.9	232	0.10	0.31	121.01	70.08	0.20	34.40
NLCD 2011	County	Stanislaus	06099	142,230	1,150,682.7	27	0.00	0.02	11.18	11.76	0.01	3.59
NLCD 2011	County	Mariposa	06043	768,351	15,330,019.6	36	0.00	0.03	21.79	8.57	0.03	4.74
NLCD 2011	County	Sutter	06101	11,982	183,882.4	3	0.00	0.00	1.35	0.95	0.00	0.51
NLCD 2011	County	Fresno	06019	2,238,388	27,057,056.1	225	0.14	0.18	102.13	76.01	0.11	42.77
NLCD 2011	County	Marin	06041	557,306	2,799,732.3	89	0.03	0.05	41.52	35.28	0.06	8.93
NLCD 2011	County	Glenn	06021	326,254	4,418,056.5	29	0.00	0.02	13.01	11.31	0.02	4.05
NLCD 2011	County	Lassen	06035	795,577	19,604,241.3	54	0.01	0.03	28.58	18.87	0.03	5.04
NLCD 2011	County	Del Norte	06015	1,617,596	15,500,564.9	143	0.04	0.08	83.52	33.82	0.14	19.55
NLCD 2011	County	Napa	06055	728,650	4,861,903.8	102	0.03	0.07	50.75	32.84	0.07	15.33
NLCD 2011	County	San Mateo	06081	839,924	4,208,936.2	197	0.08	0.10	90.95	77.45	0.10	22.98
NLCD 2011	County	Nevada	06057	913,685	13,338,696.3	137	0.05	0.11	87.26	22.55	0.07	25.59
NLCD 2011	County	San Joaquin	06077	176,760	830,573.9	38	0.02	0.03	13.96	18.52	0.02	4.07
NLCD 2011	County	Trinity	06105	1,567,570	41,397,470.0	60	0.02	0.05	36.71	13.31	0.07	8.18
NLCD 2011	County	Contra Costa	06013	19,309,940	2,486,865.5	3,998	2.19	2.47	1,958.99	1,292.03	2.14	624.13
NLCD 2011	County	Santa Cruz	06087	1,079,372	4,499,446.0	256	0.08	0.14	159.68	44.56	0.11	45.22
NLCD 2011	County	Kings	06031	4,221	63,475.8	1	0.00	0.00	0.31	0.24	0.00	0.08
NLCD 2011	County	Humboldt	06023	4,488,893	56,599,854.3	406	0.21	0.27	258.32	67.12	0.28	70.95
NLCD 2011	County	Solano	06095	64,208	634,469.7	10	0.00	0.00	5.36	3.19	0.00	1.50
NLCD 2011	County	Merced	06047	39,303	578,408.1	7	0.00	0.00	3.10	2.32	0.00	1.36
NLCD 2011	County	Tuolumne	06109	1,183,672	24,184,580.6	54	0.02	0.05	34.28	10.47	0.04	8.38
NLCD 2011	County	Butte	06007	830,568	13,515,964.7	79	0.03	0.09	43.54	22.88	0.06	10.52
NLCD 2011	County	Sierra	06091	626,825	11,783,587.7	28	0.02	0.02	17.30	6.53	0.04	3.04
NLCD 2011	County	Lake	06033	437,439	6,527,849.6	57	0.03	0.09	29.81	16.40	0.04	11.31
NLCD 2011	County	Modoc	06049	533,146	16,083,060.2	13	0.00	0.01	6.67	3.86	0.01	1.75
NLCD 2011	County	El Dorado	06017	1,352,216	18,601,647.3	222	0.06	0.13	122.13	57.98	0.14	35.13
NLCD 2011	County	Alameda	06001	28,315,735	2,508,882.6	6,312	4.52	5.26	3,000.41	2,373.16	3.21	725.81
NLCD 2011	County	San Francisco	06075	4,564,883	86,785.7	880	0.38	0.97	512.61	265.50	0.56	74.05
NLCD 2011	County	Orange	06059	4,909,383	500,671.4	2,121	0.52	1.33	1,117.99	520.06	0.54	465.79

Selection Total:												
				138,871,915	660,376,192.7	35,791	16.19	29.37	18,490.30	10,126.16	13.37	6,565.11



Dataset	Type	Name	ID	\$/yr	kg/yr (kilograms per year)	Health Incidence	Emergency Room Visits	Hospital Admissions	Acute Respiratory Symptoms	Asthma Exacerbation	Mortality	School Loss Days	
NLCD 2011	County	Santa Barbara	06083	447,917	10,351,032.0	70	0.01	0.04	43.23	9.81	0.03	15.49	
NLCD 2011	County	Mono	06051	441,235	8,696,016.6	10	0.00	0.00	5.57	2.98	0.00	1.13	
NLCD 2011	County	Imperial	06025	1,989	38,720.9	0	0.00	0.00	0.04	0.02	0.00	0.02	
NLCD 2011	County	Tulare	06107	2,294,732	32,901,888.5	275	0.14	0.23	109.07	113.30	0.11	45.75	
NLCD 2011	County	San Diego	06073	83,800	1,270,521.3	0	0.00	0.00	0.00	0.00	0.00	0.00	
NLCD 2011	County	Alpine	06003	128,083	4,787,396.4	6	0.00	0.00	2.71	2.24	0.00	0.77	
NLCD 2011	County	Riverside	06065	90,238	1,337,155.5	5	0.00	0.00	2.39	1.70	0.00	1.03	
NLCD 2011	County	Ventura	06111	323,895	5,028,022.5	89	0.02	0.05	49.28	16.42	0.03	22.47	
NLCD 2011	County	Los Angeles	06037	36,566,916	6,485,282.7	17,385	6.46	15.58	9,275.11	4,137.06	3.96	3,870.66	
NLCD 2011	County	Inyo	06027	141,093	3,439,192.7	2	0.00	0.00	0.92	0.30	0.00	0.26	
Selection Total:					138,871,915	660,376,192.7	35,791	16.19	29.37	18,490.30	10,126.16	13.37	6,565.11

Carbon and CO₂ (2011 NLCD)

Table S5. i-Tree planting tool model results for priority areas.

Priority areas	Tree group	CO₂ sequestered (kg)	O₃ removed (kg)	NO₂ removed (kg)	SO₂ removed (kg)	PM_{2.5} removed (kg)
San Bernardino	Turkey oak	18,005,780,788.10	47,499,495.07	8,765,460.80	292,913.04	526,890.09
	Siberian elm	16,021,101,985.10	35,636,527.41	6,500,900.68	224,740.44	342,335.45
	European hackberry	2,288,059,540.80	33,406,558.74	6,157,829.17	206,465.20	365,626.33
	European white elm	5,535,278,046.00	24,228,753.29	4,436,101.29	151,718.01	243,810.19
	common ash	6,740,965,581.60	23,179,703.35	4,257,980.69	144,221.47	242,887.25
	European silver birch	9,117,333,280.90	23,246,169.17	4,265,998.95	144,910.68	240,580.87
	velvet ash	7,847,363,193.40	26,216,844.50	4,797,363.60	164,348.67	261,932.10
	black alder	4,243,217,604.80	20,101,385.65	3,686,013.00	125,497.17	206,028.62
	bigleaf linden	6,258,824,795.60	19,961,007.28	3,670,233.79	123,981.84	212,339.32
	Total		76,057,924,816.40	253,476,444.46	46,537,881.97	1,578,796.52
Kern	Turkey oak	67,543,113,848.00	222,011,072.49	21,203,556.89	323,421.73	1,777,549.81
	Siberian elm	66,408,321,844.00	166,505,156.71	15,824,087.84	253,119.78	1,189,076.89
	European hackberry	8,409,945,600.70	155,014,723.17	14,792,731.40	227,458.38	1,218,234.42
	European white elm	18,971,785,375.00	105,578,906.68	10,053,034.30	157,885.63	788,284.00
	common ash	27,431,445,793.30	108,183,941.68	10,309,387.11	160,657.05	822,980.26
	European silver birch	38,000,546,423.40	108,531,911.84	10,342,637.65	161,152.70	825,503.57
	velvet ash	31,933,780,918.10	121,526,373.03	11,563,542.58	182,822.08	893,087.31
	black alder	16,812,208,310.50	92,613,890.25	8,822,826.72	137,907.19	699,124.05
	bigleaf linden	25,758,046,590.70	93,779,605.81	8,946,710.52	137,959.54	732,966.75
	Total		301,269,194,703.70	1,173,745,581.66	111,858,515.01	1,742,384.08

Sacramento	Turkey oak	5,294,629,523.50	14,326,344.31	1,436,413.47	931,889.17	248,279.02
	Siberian elm	6,176,000,879.00	11,548,846.56	1,146,274.78	763,472.17	160,873.01
	European hackberry	644,381,077.20	9,961,131.70	996,151.46	650,654.44	163,626.93
	European white elm	1,335,944,978.70	6,415,348.35	639,937.24	420,737.70	99,534.07
	common ash	2,386,558,114.30	7,123,850.69	710,143.25	467,708.85	109,329.13
	European silver birch	3,577,552,509.70	7,312,375.30	730,155.82	478,786.21	115,867.01
	velvet ash	2,778,264,935.20	8,064,554.85	801,744.66	531,766.21	116,728.43
	black alder	1,473,832,656.70	6,089,228.89	607,380.55	399,375.35	94,371.12
	bigleaf linden	2,382,159,273.30	6,300,974.76	630,944.63	410,719.71	106,486.80
	Total	26,049,323,947.70	77,142,655.41	7,699,145.88	5,055,109.82	1,215,095.51
Fresno	Turkey oak	125,720,396,711.70	337,733,658.25	37,238,528.02	7,360,313.06	6,512,838.29
	Siberian elm	111,862,924,525.80	248,354,648.61	27,445,818.50	5,472,321.31	4,331,225.26
	European hackberry	15,975,744,487.60	237,065,311.24	26,144,577.09	5,171,947.51	4,528,883.17
	European white elm	38,648,551,820.30	169,933,995.51	18,765,907.99	3,731,270.83	3,061,344.62
	common ash	47,066,932,398.90	163,505,890.53	18,044,423.35	3,578,927.62	3,030,001.98
	European silver birch	63,659,264,239.90	163,694,752.96	18,068,766.10	3,586,424.72	3,007,334.40
	velvet ash	54,792,048,477.50	183,695,094.23	20,287,843.60	4,035,630.29	3,292,689.74
	black alder	29,627,096,258.20	141,358,164.26	15,605,626.32	3,099,349.71	2,579,451.63
	bigleaf linden	43,700,517,379.40	141,040,503.91	15,562,057.59	3,084,266.34	2,641,323.28
	Total	531,053,476,299.30	1,786,382,019.49	197,163,548.56	39,120,451.38	32,985,092.37

Kings	Turkey oak	464,313,295.90	1,284,415.43	172,826.81	29,618.28	32,116.73
	Siberian elm	413,134,579.00	939,408.41	126,523.90	21,760.42	20,799.69
	European hackberry	59,001,966.00	901,098.75	121,260.05	20,788.14	22,280.46
	European white elm	142,737,669.80	643,891.71	86,696.01	14,893.61	14,829.16
	common ash	173,828,615.60	620,485.95	83,522.08	14,333.88	14,786.37
	European silver birch	235,107,775.40	620,915.76	83,586.72	14,349.34	14,641.82
	velvet ash	202,359,181.80	695,846.14	93,695.78	16,098.96	15,928.83
	black alder	109,419,434.50	535,994.36	72,159.36	12,390.58	12,536.23
	bigleaf linden	161,395,698.60	535,490.23	72,074.87	12,365.42	12,932.01
	Total	1,961,298,216.70	6,777,546.77	912,345.59	156,598.61	160,851.30
San Francisco	Turkey oak	892,488,090.40	2,372,975.12	578,700.55	91,826.67	76,942.76
	Siberian elm	1,146,050,167.90	1,960,184.17	459,937.07	78,918.08	47,589.89
	European hackberry	107,457,983.00	1,640,613.13	395,748.37	64,212.20	49,181.24
	European white elm	213,950,896.90	1,020,199.72	244,762.72	40,144.85	29,218.28
	common ash	424,494,515.80	1,182,702.00	281,576.45	46,923.19	32,232.93
	European silver birch	683,655,849.10	1,245,544.00	299,296.69	48,931.15	36,078.29
	velvet ash	494,166,985.20	1,339,232.22	315,915.59	53,636.95	34,025.65
	black alder	269,998,978.10	1,015,832.54	242,830.30	40,124.02	28,348.41
	bigleaf linden	450,459,550.80	1,077,648.90	262,024.60	41,834.37	34,247.64
	Total	4,682,723,017.30	12,854,931.80	3,080,792.35	506,551.46	367,865.10

Orange	Turkey oak	2,922,436,560.30	9,607,752.38	2,432,778.52	40,420.72	173,049.05
	Siberian elm	3,408,920,432.50	7,866,361.48	1,910,498.20	34,023.14	112,188.94
	European hackberry	355,674,143.10	6,707,122.81	1,680,240.26	28,421.56	114,061.60
	European white elm	737,391,432.40	4,336,392.16	1,075,057.36	18,501.62	69,393.95
	common ash	1,317,290,408.20	4,820,298.37	1,191,788.70	20,605.90	76,224.32
	European silver birch	1,974,674,564.90	4,934,995.59	1,228,578.56	20,996.31	80,776.93
	velvet ash	1,533,497,855.70	5,479,551.47	1,339,756.79	23,598.17	81,395.09
	black alder	813,500,249.80	4,116,208.24	1,020,291.05	17,563.86	65,794.57
	bigleaf linden	1,314,862,413.30	4,234,157.13	1,066,443.54	17,878.87	74,224.89
	Total	14,378,248,060.30	52,102,839.63	12,945,432.99	222,010.14	847,109.34
Tulare	Turkey oak	162,992,525,405.80	462,079,688.43	63,993,937.80	9,975,859.40	10,150,155.11
	Siberian elm	160,254,087,628.80	358,356,717.91	48,483,991.33	7,848,681.45	6,368,166.97
	European hackberry	20,294,567,334.60	324,469,127.69	44,758,695.78	7,022,240.17	6,887,191.06
	European white elm	45,782,005,500.70	224,312,705.18	30,622,810.52	4,885,781.89	4,329,003.16
	common ash	66,196,542,780.80	228,591,525.91	31,326,409.70	4,967,243.05	4,567,671.79
	European silver birch	91,701,502,573.50	229,305,070.05	31,426,471.14	4,982,453.14	4,579,764.21
	velvet ash	77,061,410,128.50	259,408,778.91	35,298,399.54	5,661,628.82	4,862,045.37
	black alder	40,570,594,603.40	196,109,809.02	26,835,329.19	4,265,256.59	3,862,306.74
	bigleaf linden	62,158,358,182.70	196,685,913.83	27,093,555.76	4,260,621.73	4,134,156.21
	Total	727,011,594,138.90	2,479,319,336.92	339,839,600.76	53,869,766.25	49,740,460.64
Los Angeles	Turkey oak	35,202,760,702.20	83,343,055.97	19,803,623.66	1,317,130.03	966,907.43
	Siberian elm	41,062,793,926.30	70,952,550.11	16,167,513.89	1,141,127.91	602,990.58
	European hackberry	4,284,339,964.00	58,776,961.95	13,814,489.69	933,202.39	631,622.12
	European white elm	8,882,387,556.70	38,368,812.96	8,925,153.54	611,793.34	380,169.06
	common ash	15,867,670,027.80	42,767,641.86	9,919,191.83	682,815.14	417,106.06
	European silver birch	23,786,314,856.80	43,491,450.64	10,160,161.81	692,212.67	444,139.35
	velvet ash	18,472,037,608.50	49,127,077.95	11,267,096.72	788,034.30	440,771.10
	black alder	9,799,170,668.70	36,425,266.80	8,471,877.99	580,828.07	360,387.15
	bigleaf linden	15,838,423,157.00	36,920,841.82	8,724,220.32	584,891.94	413,096.61
	Total	173,195,898,468.10	460,173,660.04	107,253,329.46	7,332,035.78	4,657,189.47

