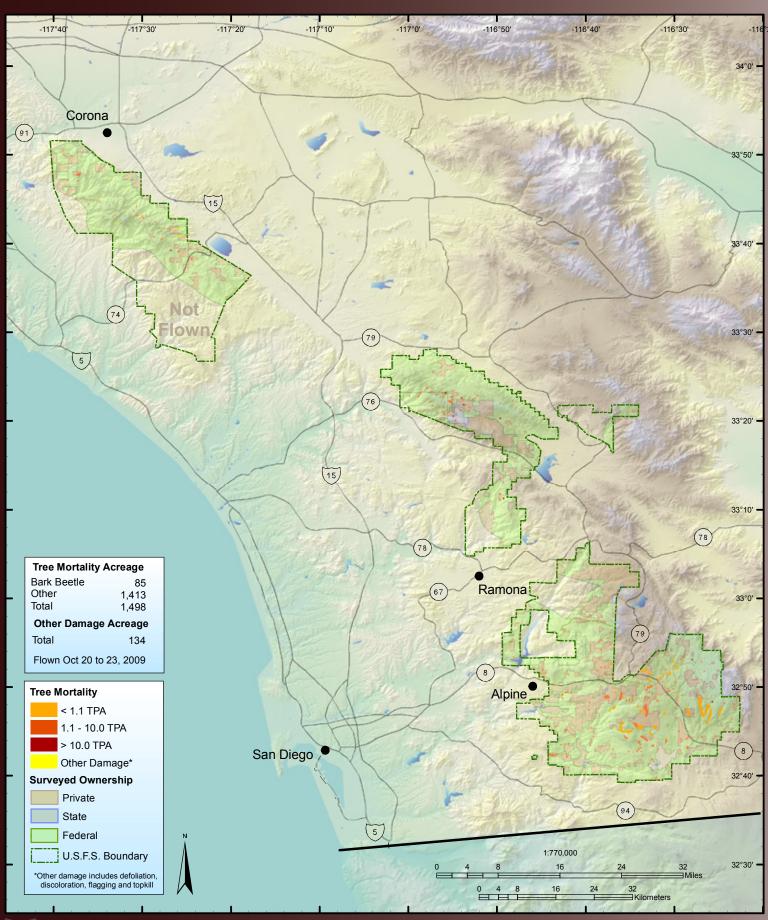
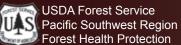
Angeles National Forest -118°50' -118°10' -118°0' -118°30' -118°20' **Tree Mortality Acreage Tree Mortality** Bark Beetle < 1.1 TPA Other 137 1.1 - 10.0 TPA Total 299 > 10.0 TPA Other Damage Acreage Other Damage* Total 108 **Surveyed Ownership** Flown Oct 20 to 23, 2009 Private State Federal U.S.F.S. Boundary *Other damage includes defoliation, discoloration, flagging and topkill Saugus (126) San Fernando (39) • Glendora Arcadia 1:530,000

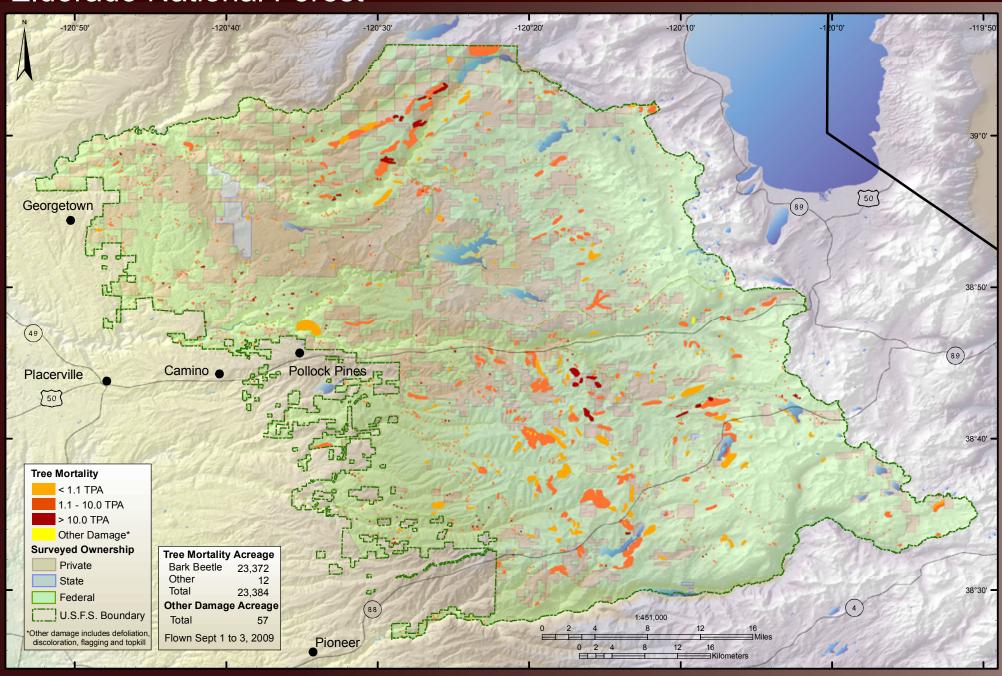


Cleveland National Forest





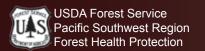
Eldorado National Forest



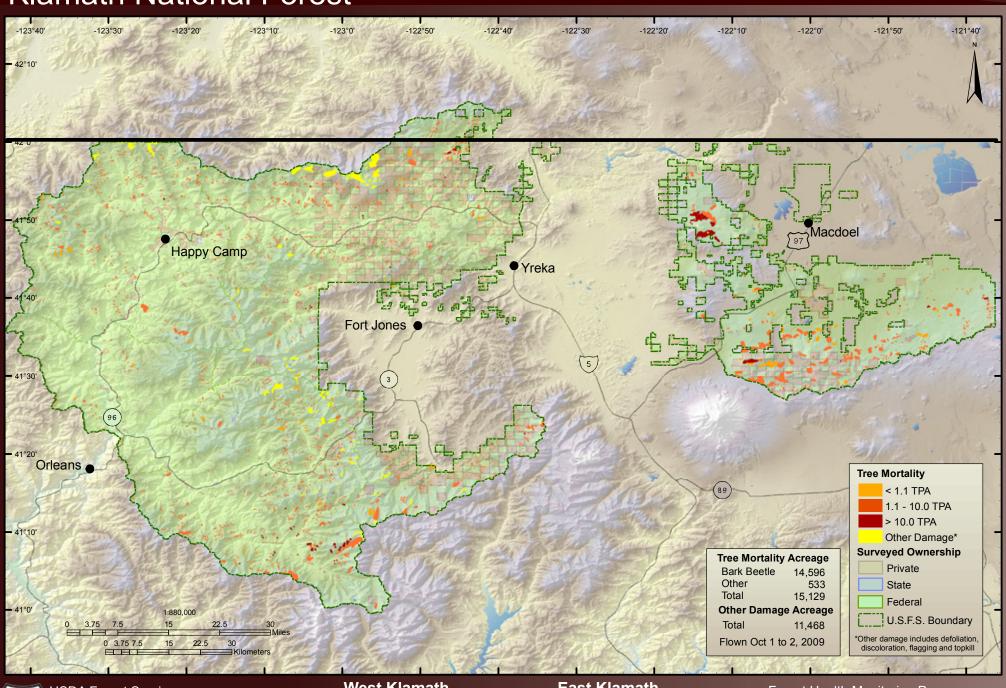


Open in GoogleEarth
Open in GoogleMaps

Inyo National Forest -119°20' -118°40' -118°30' -118°10' -118°0' -118°20' -117°50' 395 Lee Vining 38°0' 37°50' 37°40' Mammoth Lakes 37°30' Bishop 37°20' 37°10' 37°0' 36°50' 36°40' Lone Pine **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* (190) 36°20' **Surveyed Ownership Tree Mortality Acreage** Private Bark Beetle 4,157 Other State 4,166 Federal 36°10' Other Damage Acreage 1:1,000,000 U.S.F.S. Boundary Total *Other damage includes defoliation, Flown Aug 18 to 28, 2009 discoloration, flagging and topkill 36°0' •



Klamath National Forest

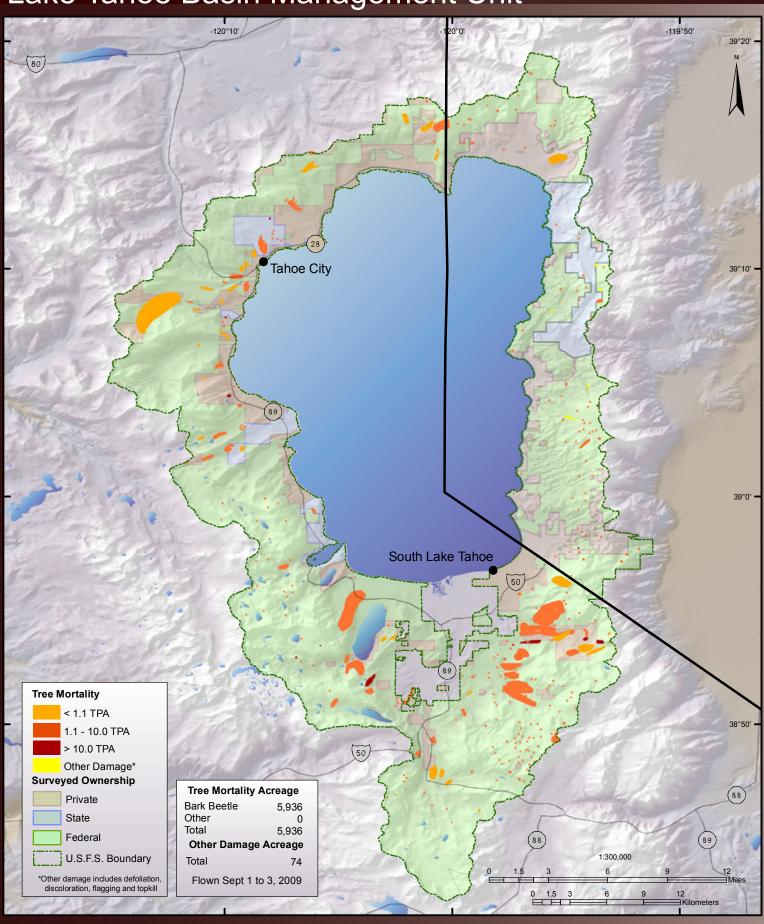


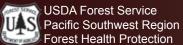


West Klamath
Open in GoogleEarth
Open in GoogleMaps

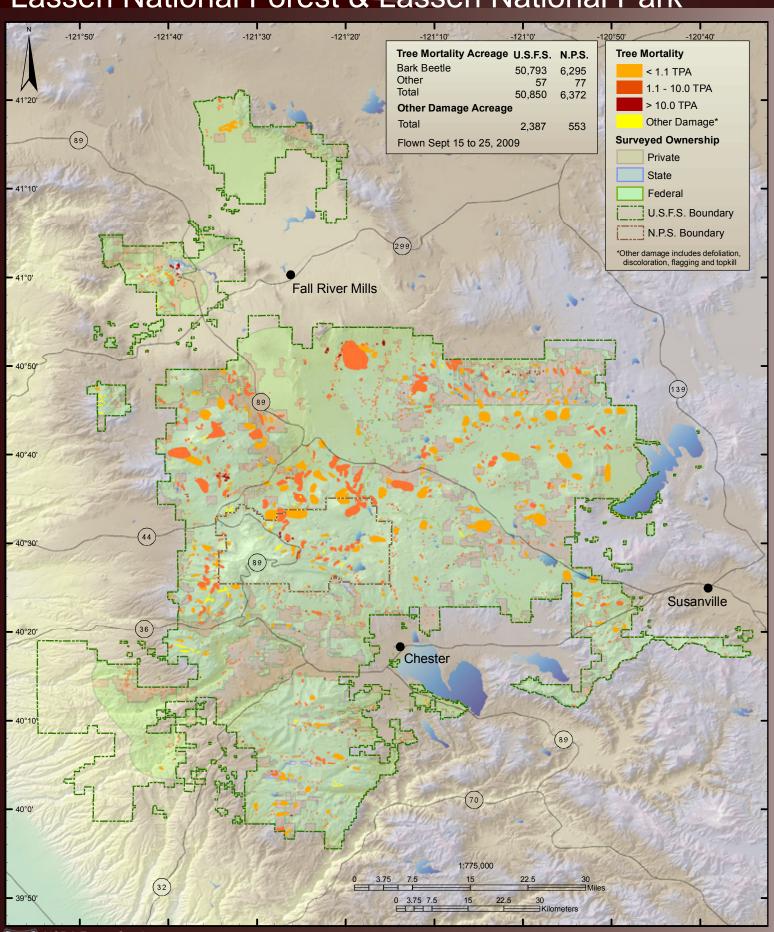
East Klamath
Open in GoogleEarth
Open in GoogleMaps

Lake Tahoe Basin Management Unit





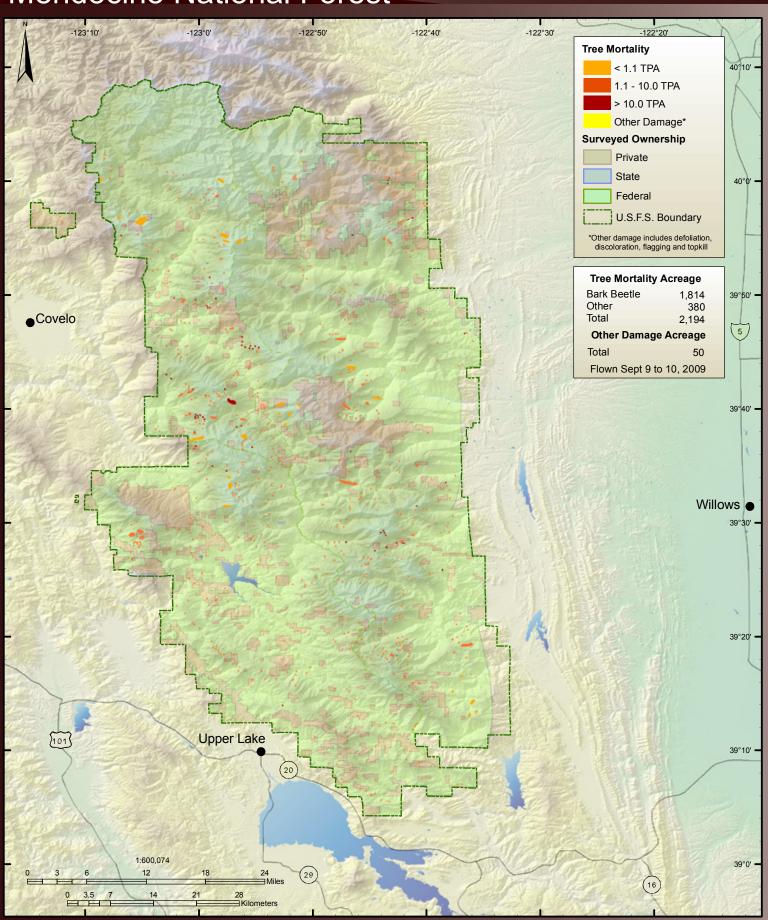
Lassen National Forest & Lassen National Park



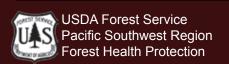
Los Padres National Forest



Mendocino National Forest



Modoc National Forest -121°40' -121°30' -120°10' -120°0' -121°20' -121°10' -121°0' -120°50' -120°40' -120°30' 42°0' • Tulelake 41°50' • 41°40' 395 Alturas Cedarville 41°30' -41°20' **Tree Mortality** Adin • < 1.1 TPA 41°10' • 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **Surveyed Ownership** Tree Mortality Acreage



U.S.F.S. Boundary

*Other damage includes defoliation,

discoloration, flagging and topkill

Bark Beetle

Other Damage Acreage

Flown Sept 22 to 24, 2009

Other Total

Total

15,451

15,478

477

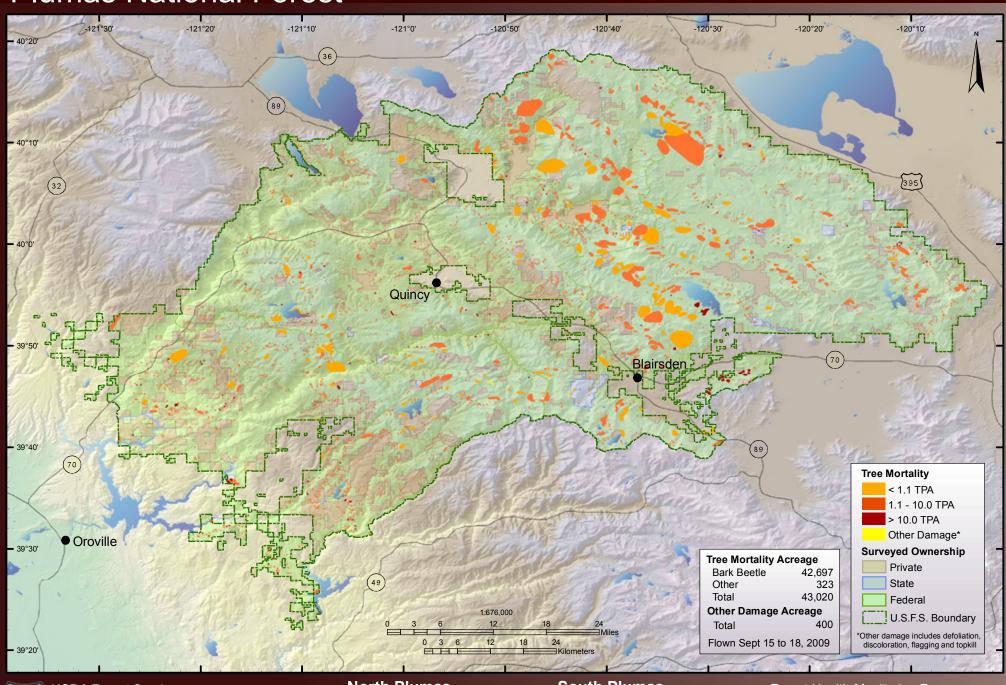
Private

Federal

State

1:762,000

Plumas National Forest

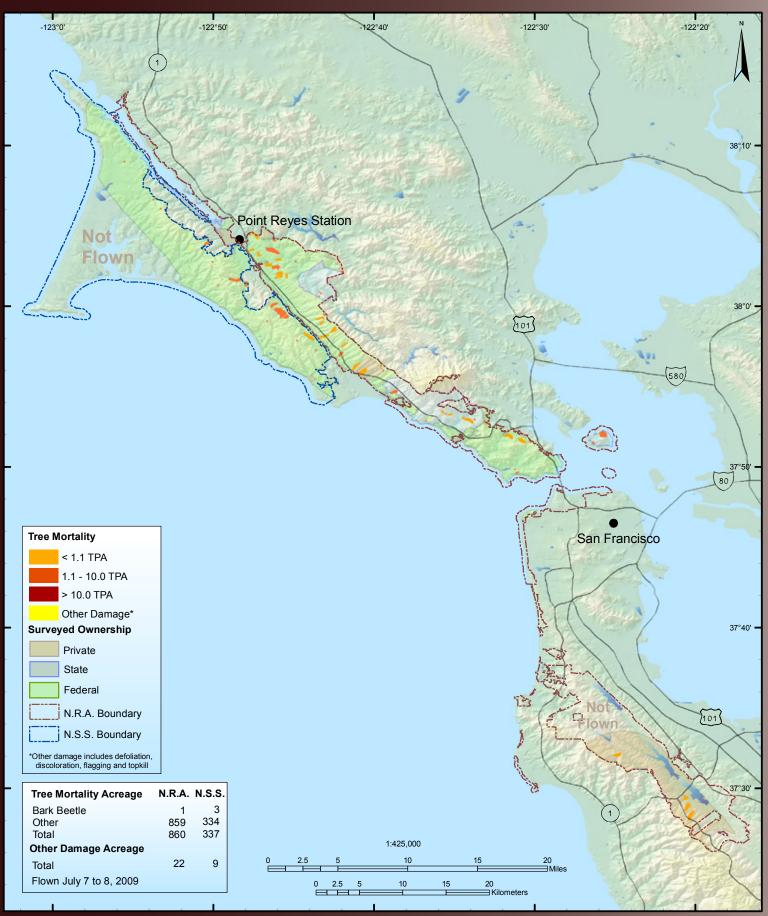




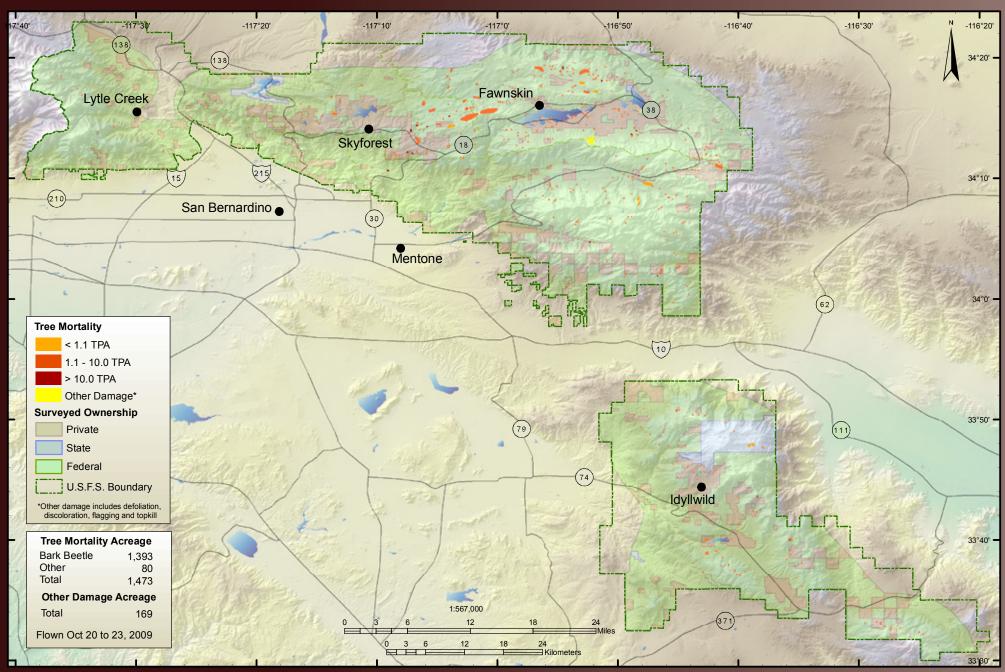
North Plumas
Open in GoogleEarth
Open in GoogleMaps

South Plumas
Open in GoogleEarth
Open in GoogleMaps

Point Reyes National Seashore and Golden Gate National Recreation Area



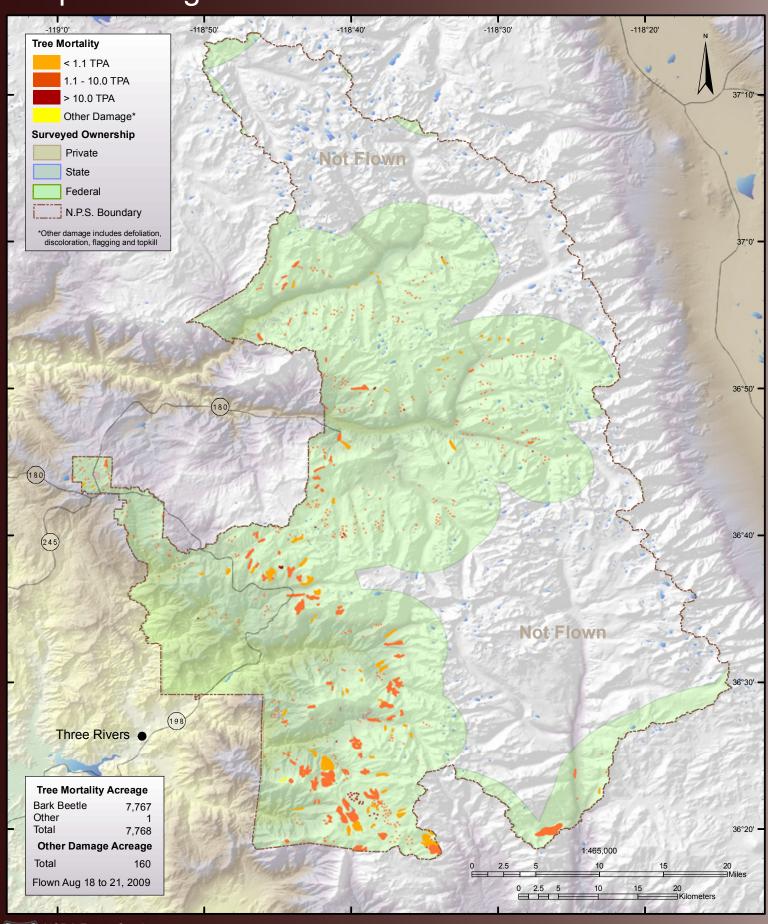
San Bernardino National Forest

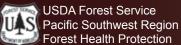




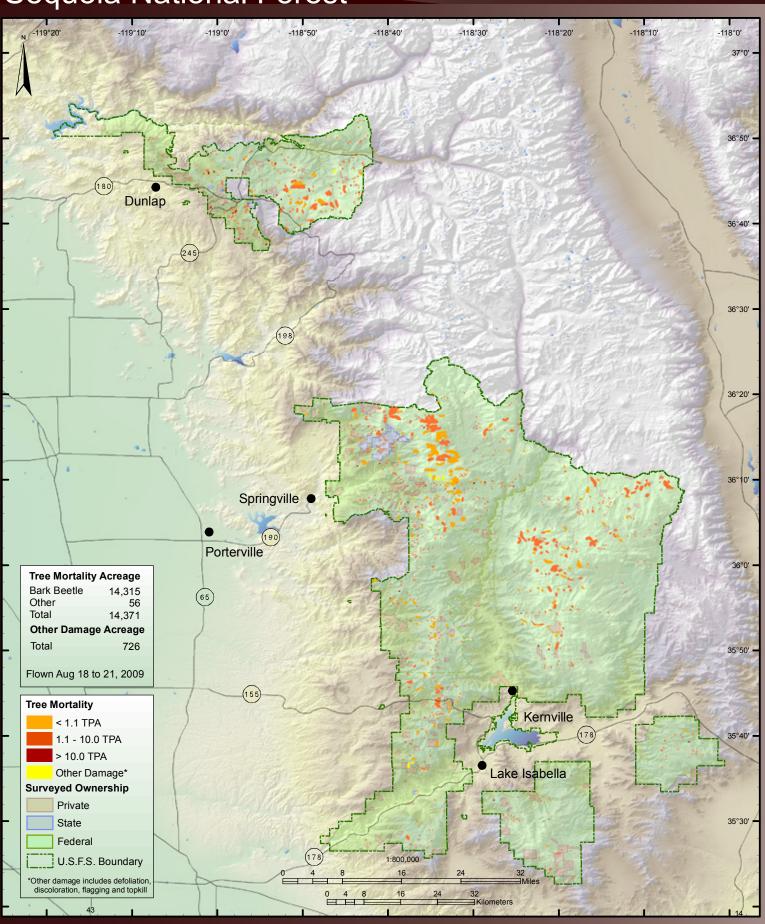
Open in GoogleEarth
Open in GoogleMaps

Sequoia-Kings National Park

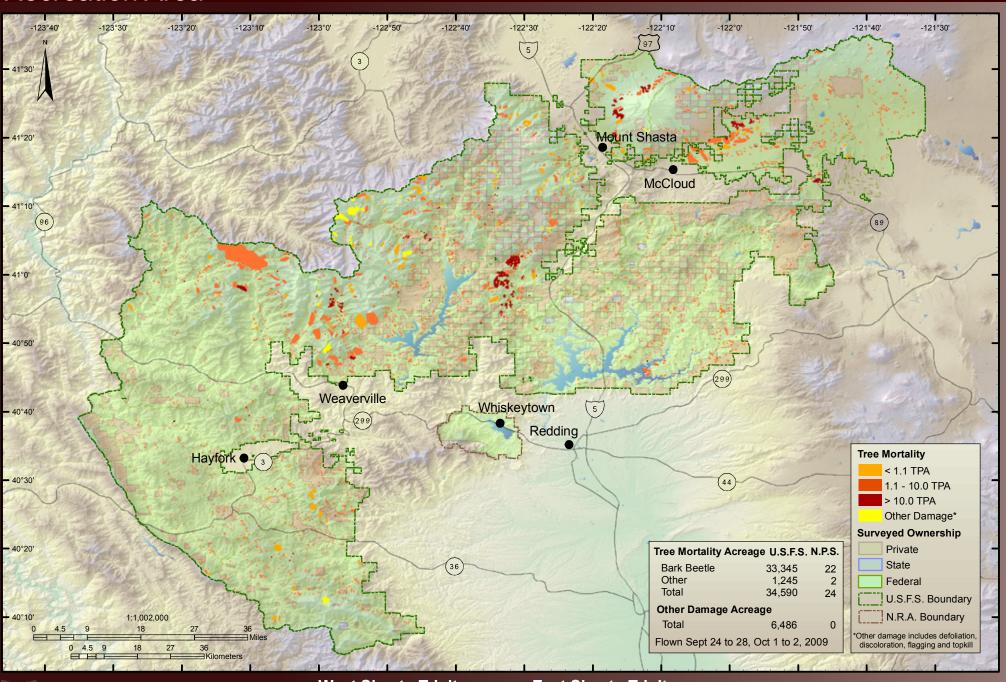




Sequoia National Forest

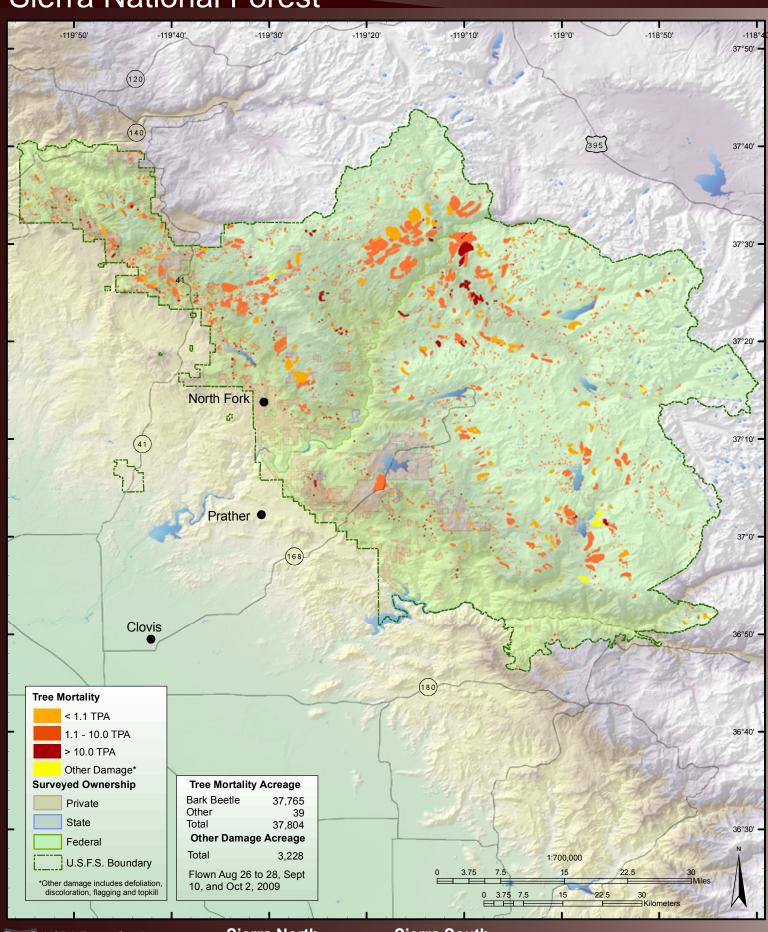


Shasta-Trinity National Forest & Whiskeytown National Recreation Area

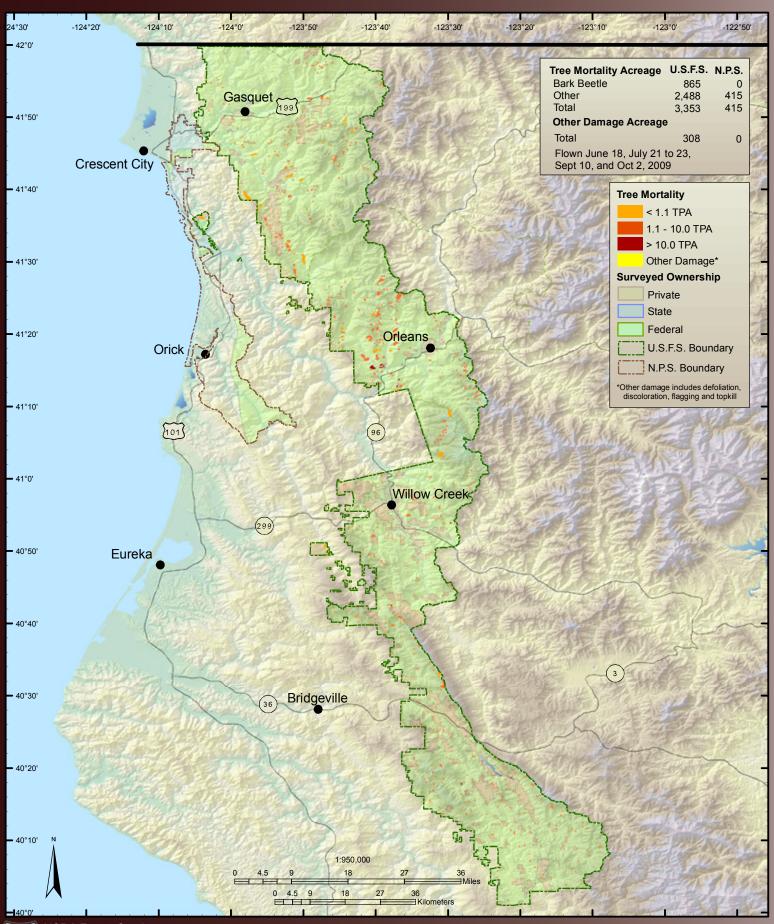




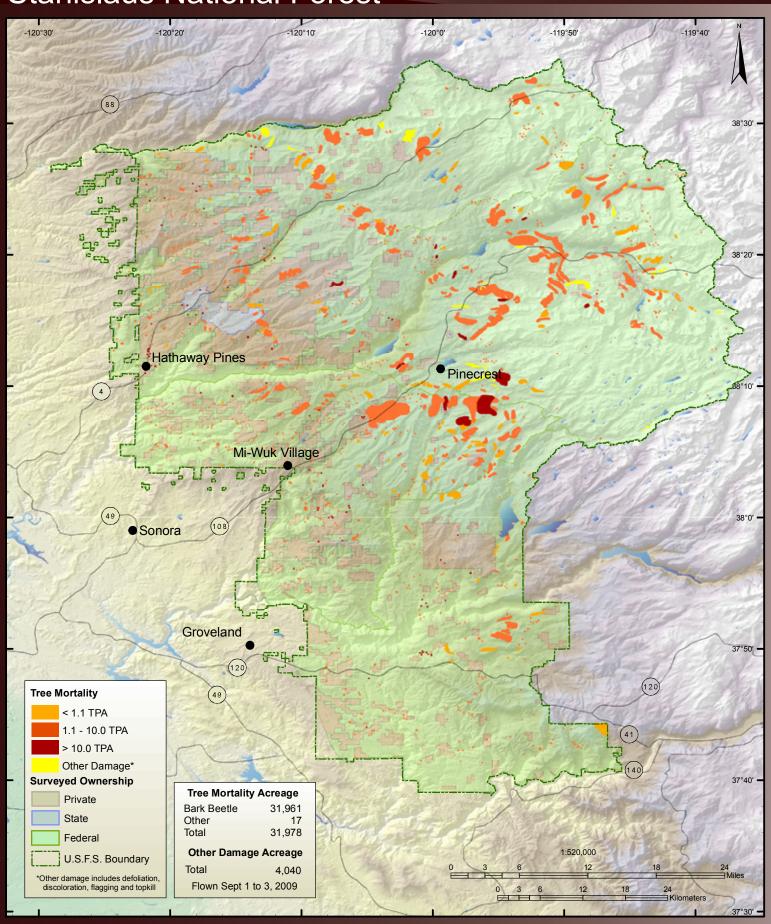
Sierra National Forest



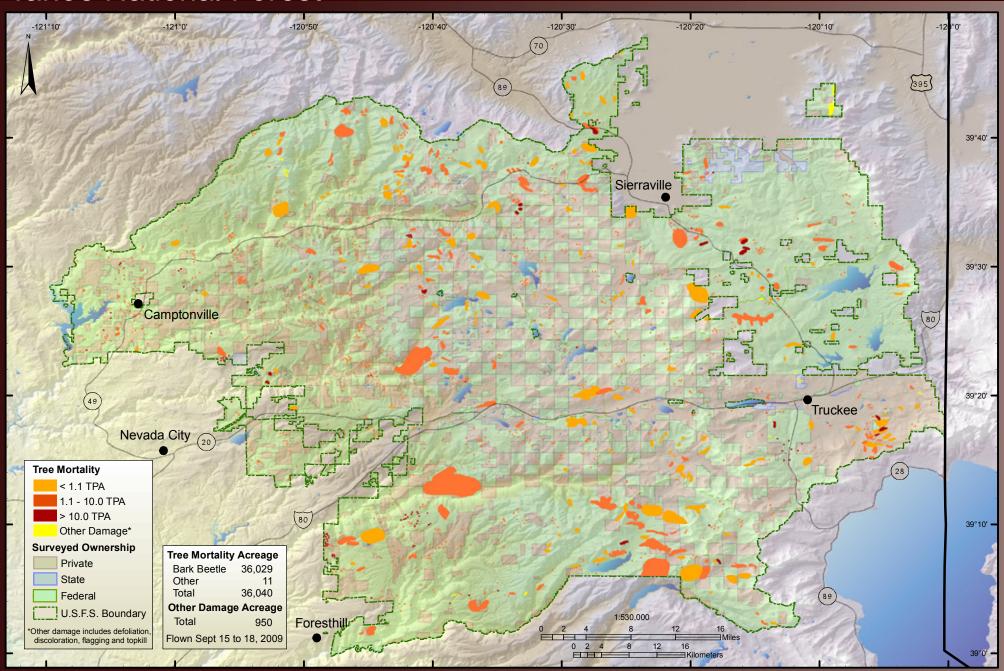
Six Rivers National Forest & Redwood State and National Parks



Stanislaus National Forest



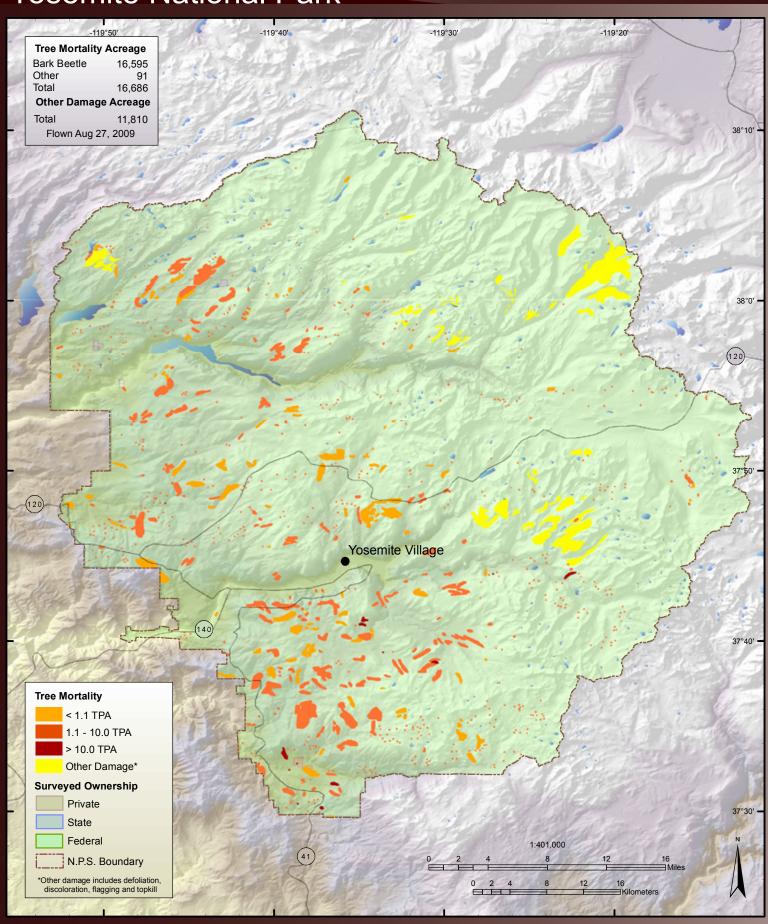
Tahoe National Forest





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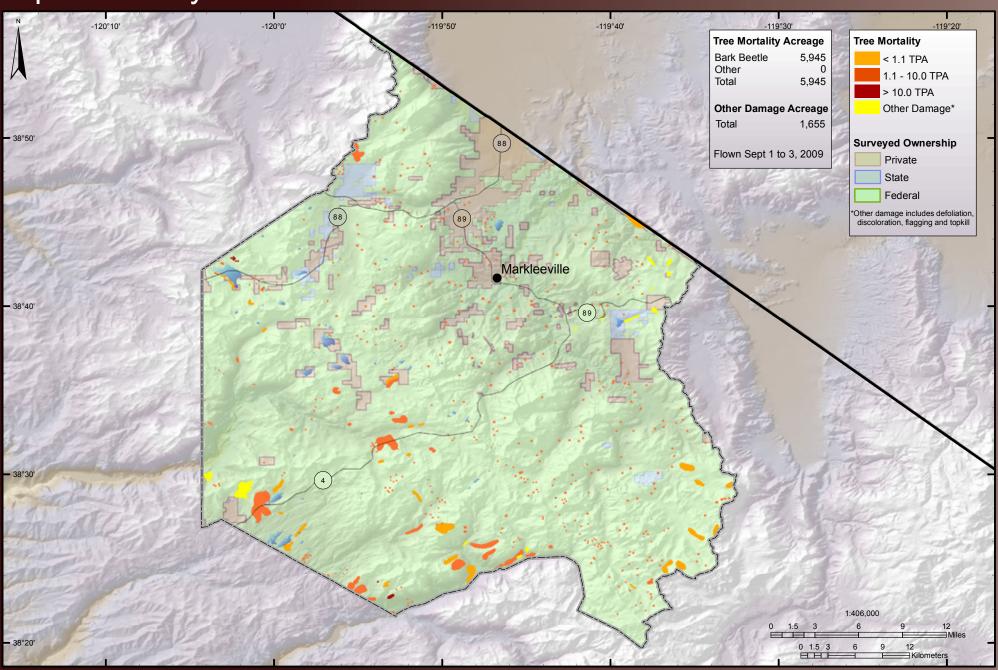
Yosemite National Park



Alameda County -121°40' -122°0' -121°50' Tree Mortality Acreage **Tree Mortality** Bark Beetle < 1.1 TPA Other 176 1.1 - 10.0 TPA Total 179 > 10.0 TPA Other Damage Acreage Other Damage* **Surveyed Ownership** Flown July 14 to 17, 2009 Private State Berkeley Federal *Other damage includes defoliation, discoloration, flagging and topkill Oakland (580) 580 Not (92) (238) Fremont Not Flown 880 680



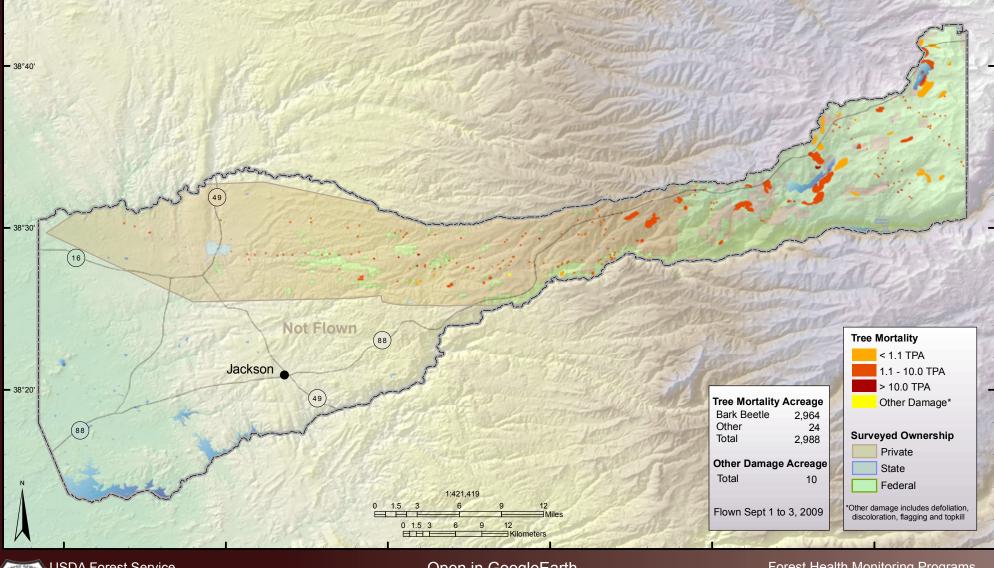
Alpine County





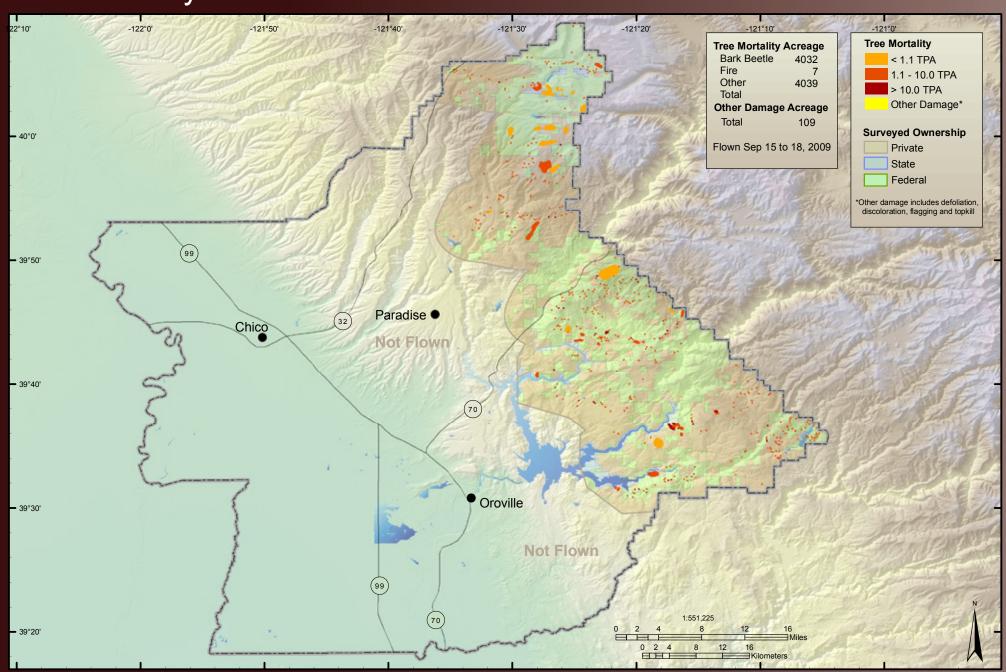
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Open in GoogleMaps

Amador County -120°50' -120°40' -120°30' -120°20' -120°10' Not Flown Tree Mortality < 1.1 TPA Jackson 1.1 - 10.0 TPA



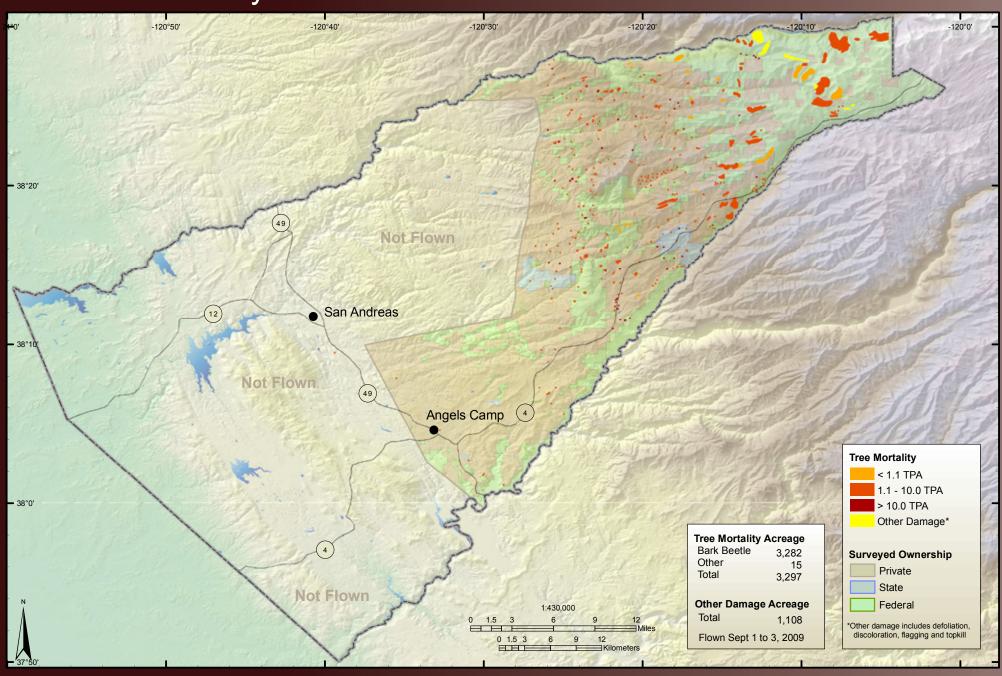


Butte County





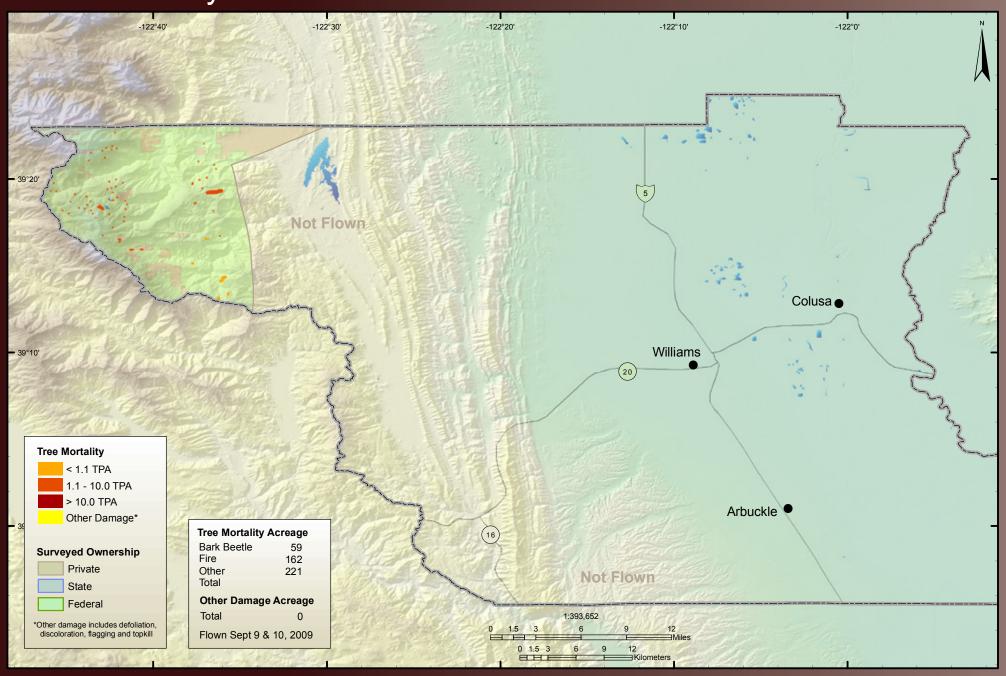
Calaveras County





Open in GoogleEarth
Open in GoogleMaps

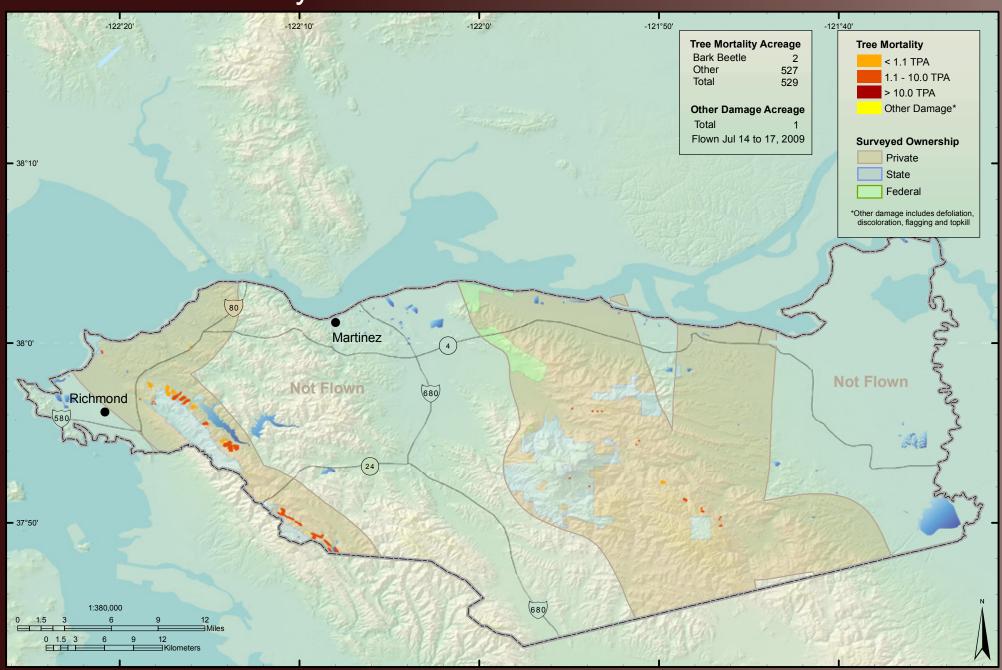
Colusa County





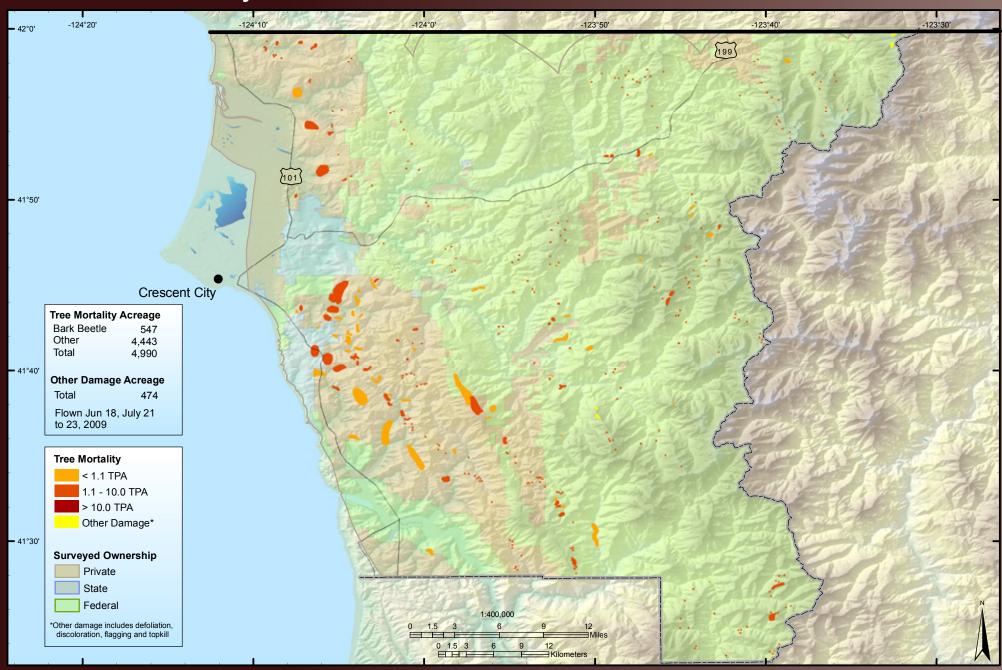
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Contra Costa County





Del Norte County





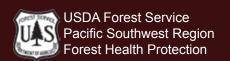
Open in GoogleEarth
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El Dorado County -120°0' -121°0' -120°40' -120°20' -120°10' South Lake Tahoe Placerville - 38°40' 50 **Tree Mortality Not Flown** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **Surveyed Ownership Tree Mortality Acreage** Private Bark Beetle 15,405 Other 16 State Total 15,421 Federal Other Damage Acreage 1:530,000 2.5 *Other damage includes defoliation, discoloration, flagging and topkill Flown Sept 1 to 3, 2009 0 2.5 5



Open in GoogleEarth
Open in GoogleMaps

Fresno County -119°10' -119°30' -119°20 -119°0' -118°50' Western Fresno County 36°30' 37°40' -Tree Mortality Acreage Bark Beetle 17,679 Other Total 17,683 Other Damage Acreage 36°20' 1,985 37°30' • Total Flown Aug 18 to 26, Sept 1 to 3, 2009 Not Flown 36°10' 37°20' • Coalinga 36°0' -120°40' -120°30' -120°10' **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* Not Flown Fresno **Surveyed Ownership** (180) Private State



Federal

*Other damage includes defoliation, discoloration, flagging and topkill 1:762.000

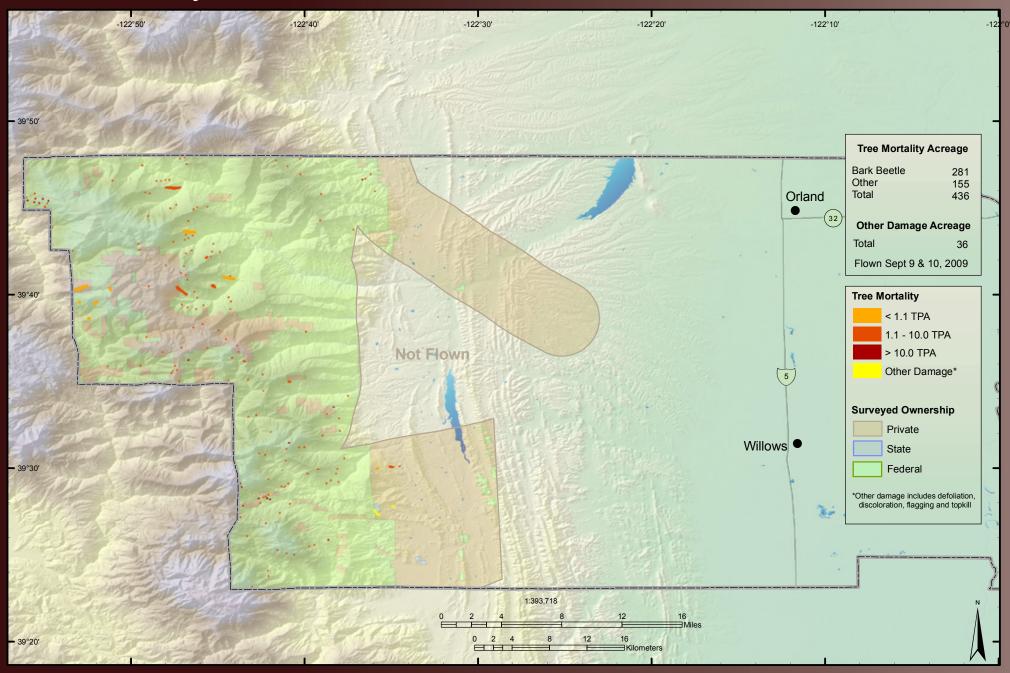
22.5

30

3.75 7.5

0 3.75 7.5

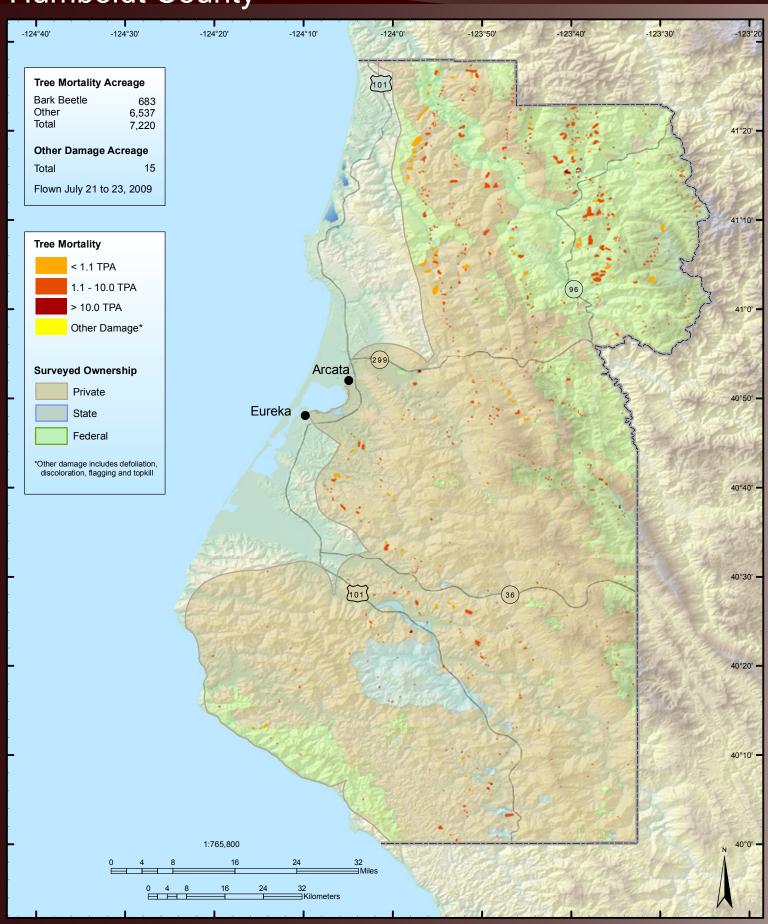
Glenn County



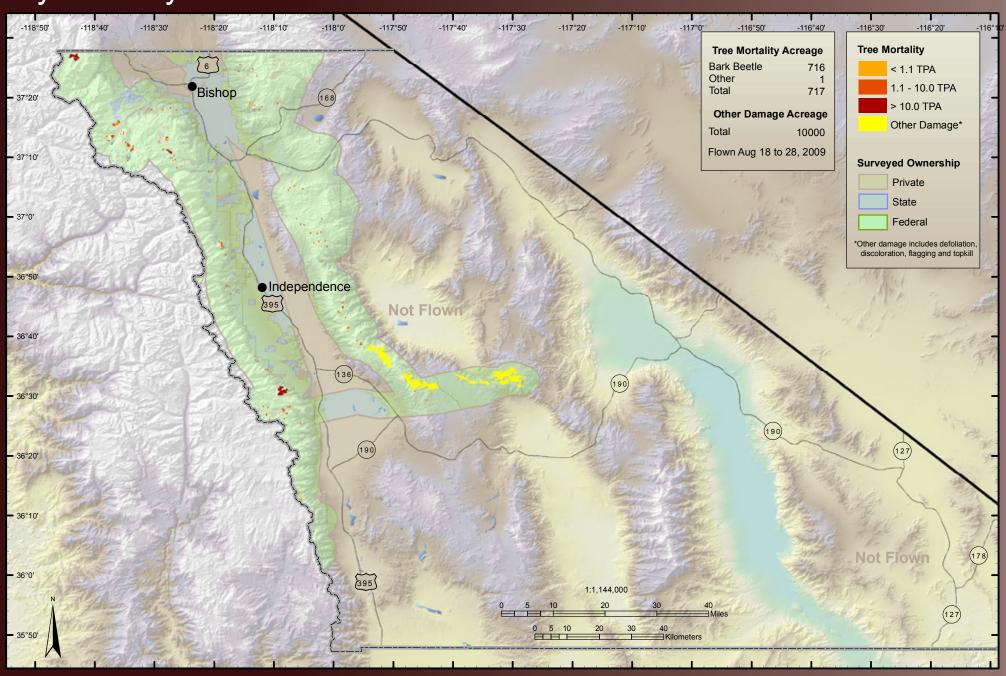


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Humboldt County

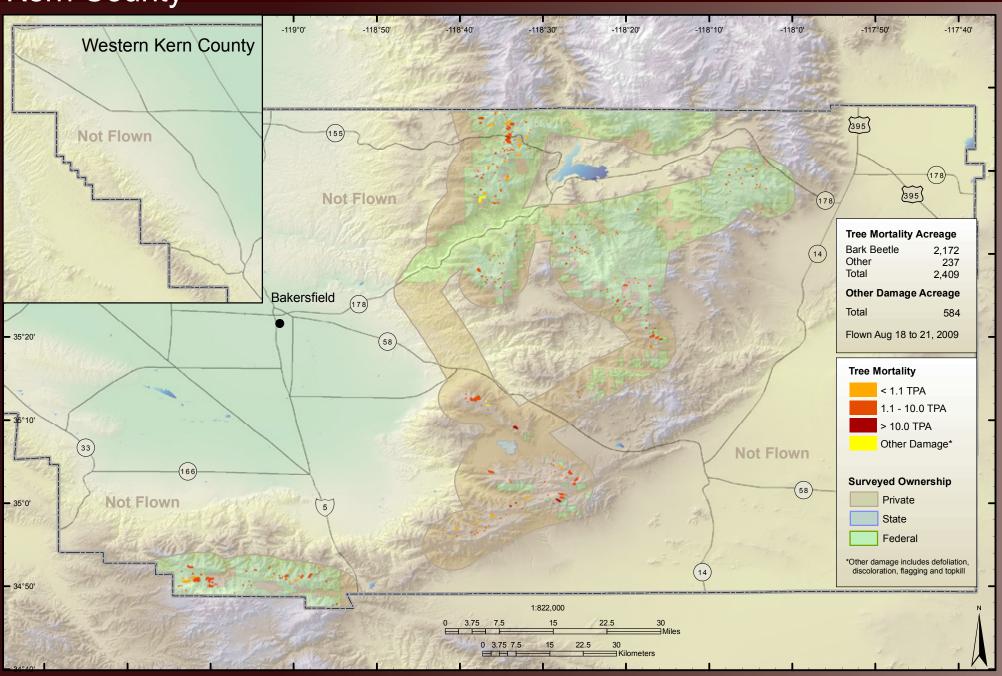


Inyo County





Kern County



Lake County





Lassen County -121°20' -121°0' -120°10' -121°10' -120°50' -120°40' -120°20' -120°30' 41°10' 41°0' **Not Flown** 395 40°50' 40°40' 40°30' Susanville 40°20' **Tree Mortality Acreage** Bark Beetle 34,161 Other Total 34,164 Other Damage Acreage 40°10' Total Flown Jul 22 to 25, 2009 **Tree Mortality** < 1.1 TPA 40°0' 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **Surveyed Ownership** 39°50 Private



*Other damage includes defoliation, discoloration, flagging and topkill

State Federal

1:766.000

22.5 30 Kilometers

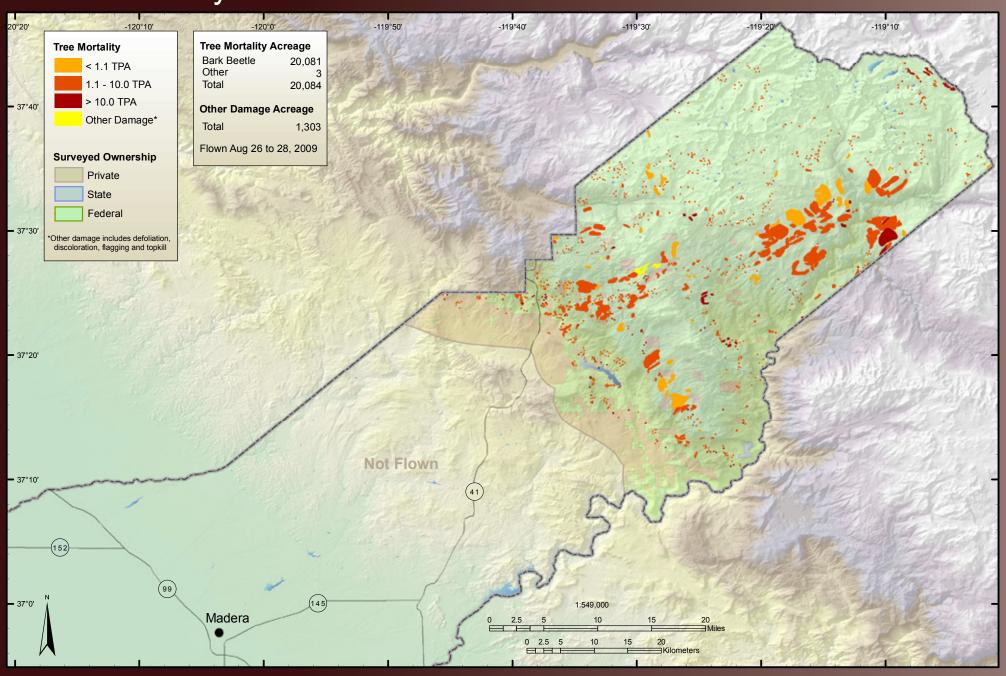
39°40'

Los Angeles County





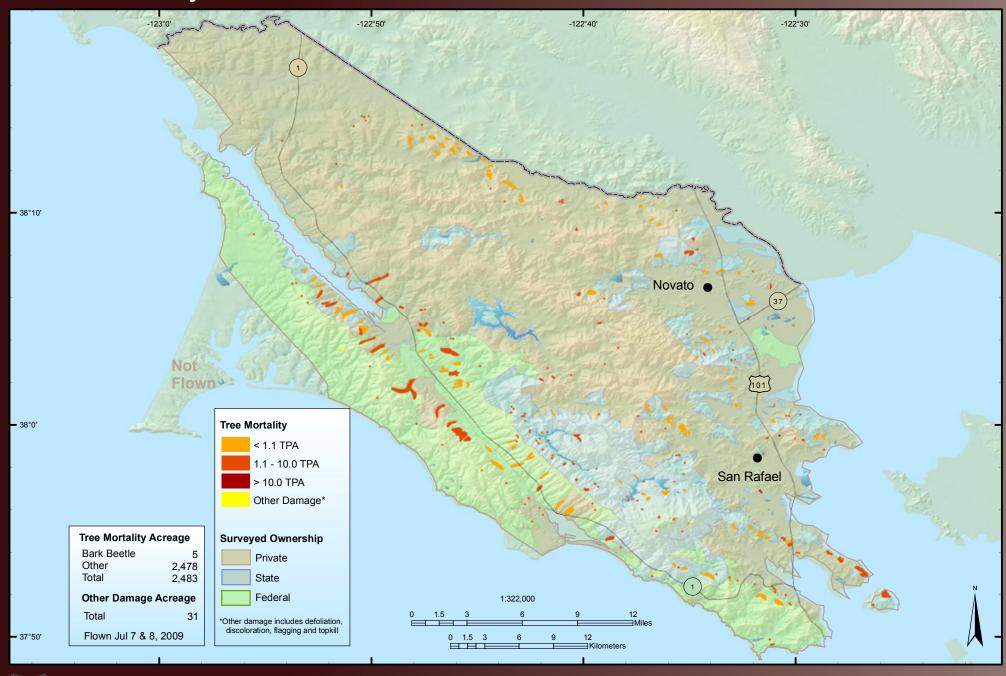
Madera County





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Open in GoogleMaps

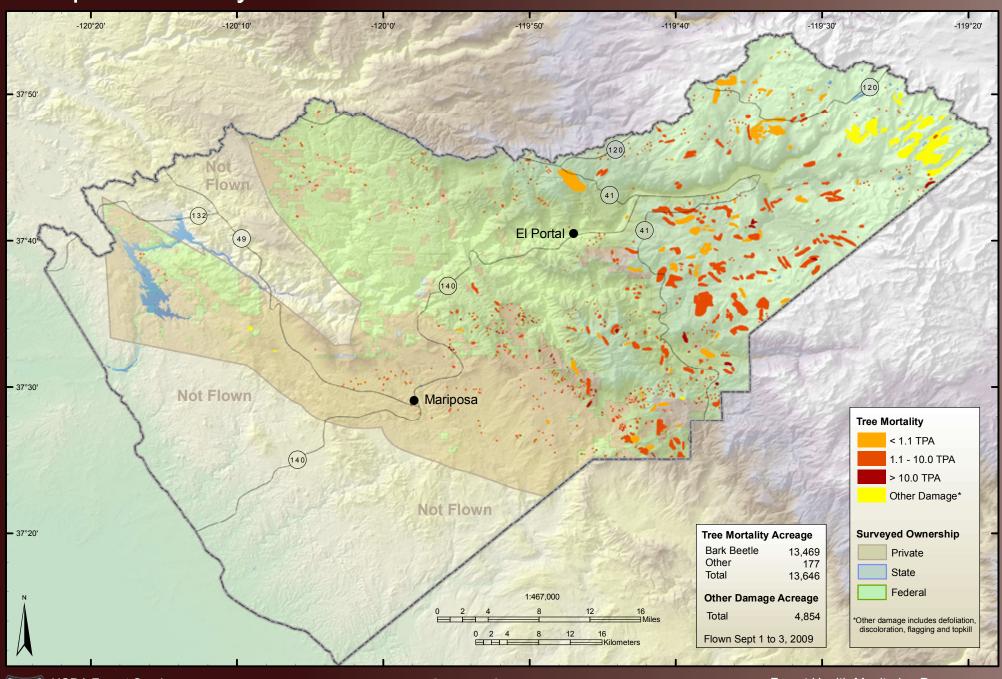
Marin County





Open in GoogleEarth
Open in GoogleMaps

Mariposa County





Open in GoogleEarth
Open in GoogleMaps

Mendocino County -124°0' -123°40' -123°50' -123°0' -123°30' -123°20' -123°10' 40°0' • 39°50' 39°40' **Tree Mortality Acreage** 39°20' 1,525 Bark Beetle 1,158 Other Total 2,683 (20) Other Damage Acreage Total Ukiah 39°10' Flown Jul 7 & 8, 2009 (128) **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **Surveyed Ownership** Private State 1:677,000 Federal *Other damage includes defoliation 20 discoloration, flagging and topkill **USDA Forest Service** Forest Health Monitoring Program



Merced County -121°20' -121°10' -121°0' -120°50' -120°40' -120°30' -120°20' -120°10' **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **Not Flown Surveyed Ownership** Private State Federal - 37°20' Merced *Other damage includes defoliation, (140) discoloration, flagging and topkill - 37°10' **Tree Mortality Acreage** Bark Beetle Other (33) Total Other Damage Acreage Total Flown May 11, 2009 Not Flown 1:600,000



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Modoc County -120°20' -120°10' -120°40' -120°30' **Surveyed Ownership Tree Mortality Acreage Tree Mortality** Bark Beetle 11,245 < 1.1 TPA Private 263 Other 1.1 - 10.0 TPA 11,508 State Total 1:693,000 Other Damage Acreage > 10.0 TPA Federal 410 Total Other Damage* Flown Sept 22 to 24, 2009 *Other damage includes defoliation, 12 16 discoloration, flagging and topkill Not Flown (139) (299) Alturas



Mono County -119°30' -119°20' -119°10' -119°0' -118°50' -118°40' -118°30' -118°20' -118°0' Tree Mortality Acreage Tree Mortality Bark Beetle 5,489 < 1.1 TPA Other 1.1 - 10.0 TPA Total 5,492 > 10.0 TPA Other Damage Acreage Other Damage* Total 2,007 **Surveyed Ownership** Flown Aug 18 to 28, 2009 Private State Federal Other damage includes defoliation, Bridgeport Not Flown Not 1:815,000 Flown



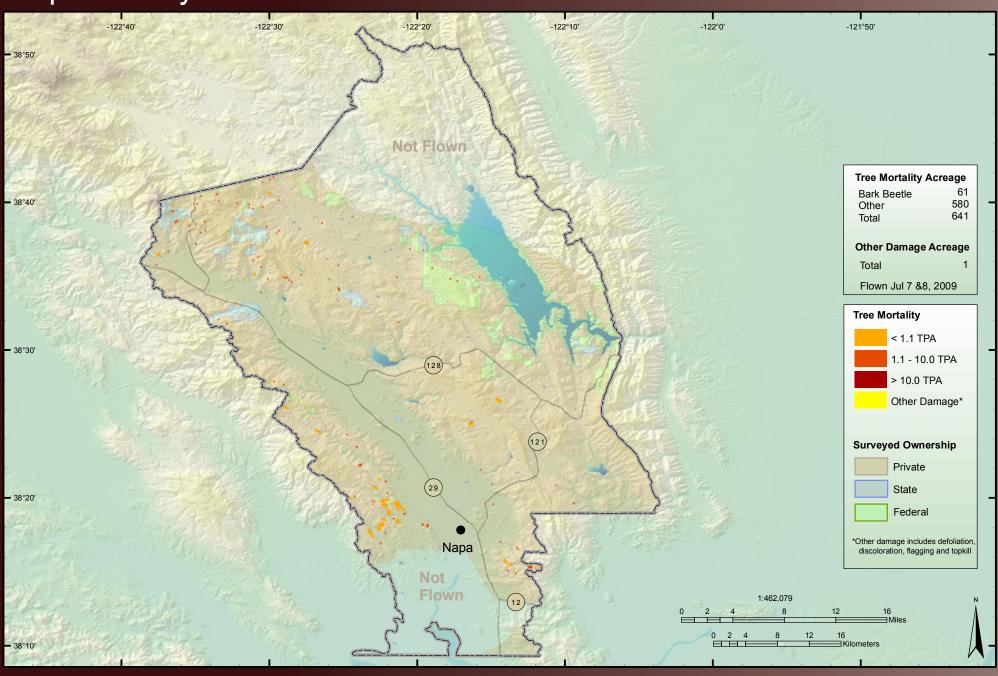
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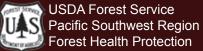
Monterey County -122°0' -121°50' -121°40' -121°30' -121°20' -121°10' -121°0' -120°50' -120°40' -120°30' -120°20' **Tree Mortality Acreage Tree Mortality** Bark Beetle 101 < 1.1 TPA 494 Other 595 Total 1.1 - 10.0 TPA > 10.0 TPA Other Damage Acreage Other Damage* Total Flown Jul 14 & 15, 2009 **Surveyed Ownership** Salinas Private Monterey State Not Federal Flown 101 *Other damage includes defoliation, discoloration, flagging and topkill - 36°20' Not Flown (198) 101 Not Flown Not Flown 1:791,178



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Napa County





Nevada County -120°40' -120°30' 120°10' -120°20' **Nevada City** Grass Valley **Tree Mortality** Not Flown < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* Tree Mortality Acreage Surveyed Ownership 7,504 Bark Beetle Private 12 Other 7,516 Total State Other Damage Acreage Federal Total *Other damage includes defoliation, Flown Sept 15 to 18, 2009



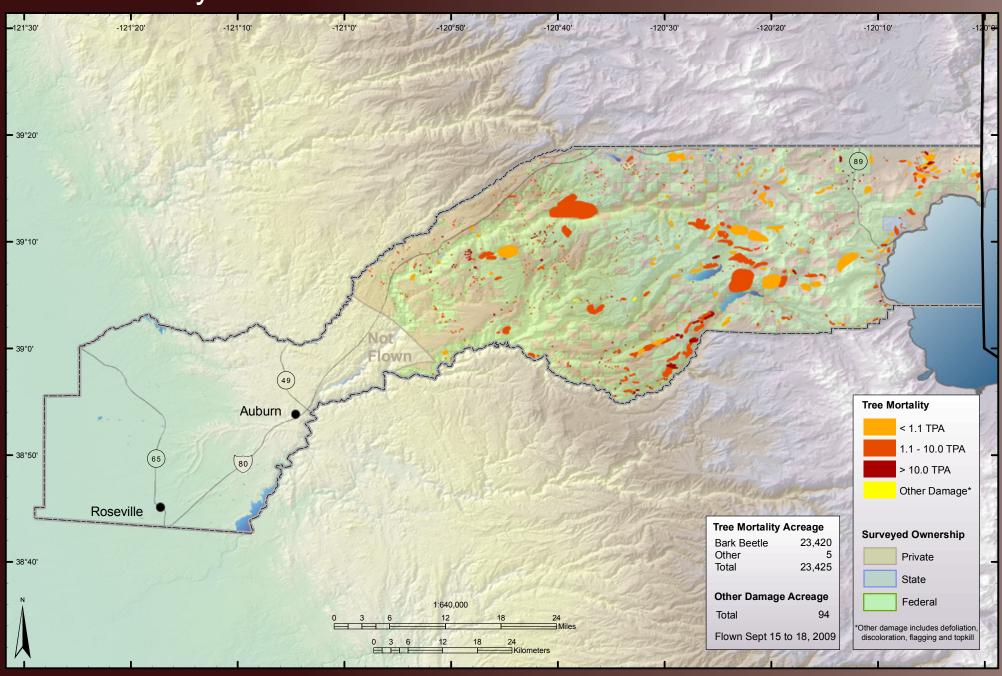
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Orange County -117°50' -117°40' -117°30' -117°20' **—** 33°50' Anaheim Tree Mortality Acreage Bark Beetle Other 27 Total Irvine Other Damage Acreage - 33°40' Total Flown Oct 20 to 23, 2009 **Huntington Beach Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **—** 33°30' **Surveyed Ownership** Private State Federal 1:402.000 *Other damage includes defoliation, 16 discoloration, flagging and topkill



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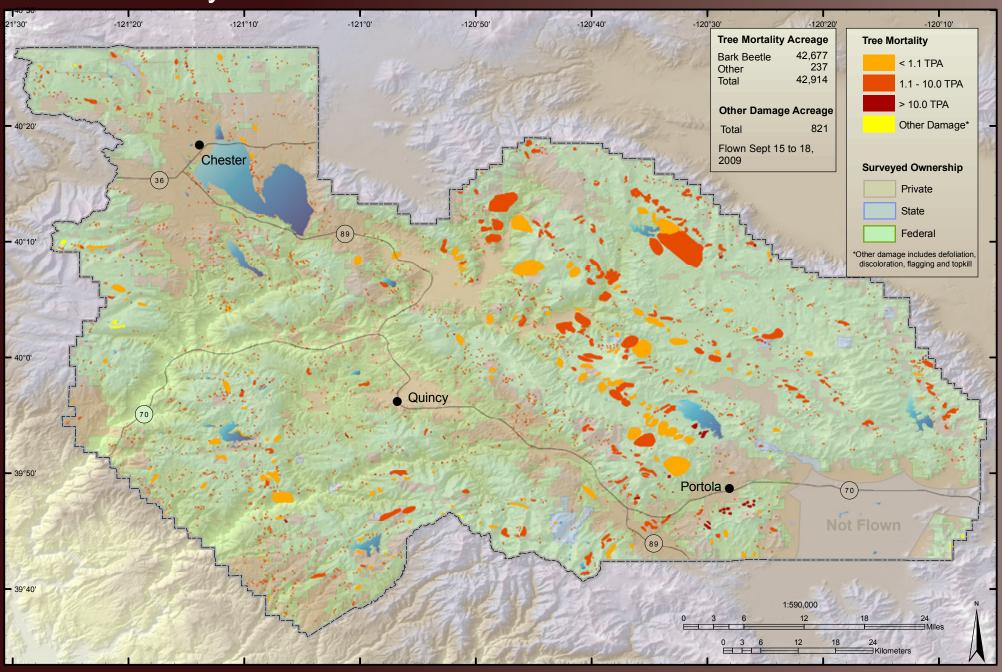
Placer County





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Open in GoogleMaps

Plumas County





Riverside County -117°20' -117°10' -117°0' -116°50' -116°40' -116°30' -116°20' **Tree Mortality Acreage Tree Mortality Surveyed Ownership** Bark Beetle < 1.1 TPA Private 62 Other 113 Total 1.1 - 10.0 TPA State > 10.0 TPA Other Damage Acreage Federal Other Damage* Total *Other damage includes defoliation, discoloration, flagging and topkill Flown Oct 20 to 23, 2009 Riverside Not Flown 15 Palm Springs Not Flown (74) (111) - 33°30' (371) 1:580,000 24 Kilometers

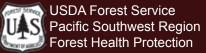


San Benito County -121°30' -121°40' -121°20' -121°10' -121°0' Tree Mortality Acreage **Tree Mortality** Bark Beetle < 1.1 TPA 63 Other (156) 65 1.1 - 10.0 TPA Total > 10.0 TPA Other Damage Acreage Other Damage* Total Flown May 11, July 14 & Hollister 15, 2009 **Surveyed Ownership** Private State Federal *Other damage includes defoliation, discoloration, flagging and topkill Not Flown 1:555,000



0 2.5 5

San Bernardino County -117°40' -117°0 -116°50 **Tree Mortality Acreage Tree Mortality** 1,362 Bark Beetle < 1.1 TPA 185 Other 1,547 Total 1.1 - 10.0 TPA Other Damage Acreage > 10.0 TPA Total Other Damage* Flown Oct 20 to 23, 2009 **Surveyed Ownership** Private State Federal Hesperia *Other damage includes defoliation, discoloration, flagging and topkill San Bernardino • 10 (15) Not Flown (60) 215 1:585,000



San Diego County -117°10' -117°0' -116°50' -116°40' -116°30' -116°20' -116°10' Tree Mortality Acreage 15) Bark Beetle 1,683 Other 1,733 Total Other Damage Acreage Total Not Flown Flown Oct 20 to 23, 2009 Oceanside • - 33°10' **Tree Mortality** - 33°0' < 1.1 TPA Not Flown 1.1 - 10.0 TPA > 10.0 TPA Other Damage* (805) **Surveyed Ownership** Private State Federal San Diego *Other damage includes defoliation, discoloration, flagging and topkill



1:640,000

5

San Luis Obispo County -121°10' -120°50' -120°40' -120°30' -120°20' -120°10' -120°0' -119°40' **Tree Mortality Acreage Tree Mortality** Bark Beetle < 1.1 TPA 69 Other Total 188 1.1 - 10.0 TPA > 10.0 TPA Other Damage Acreage Total Other Damage* Flown May 11, Jul 14 & 15, 2009 **Surveyed Ownership** Private State Federal (46) Paso Robles *Other damage includes defoliation, discoloration, flagging and topkill Not Flown 101 Atascadero San Luis Obispo **—** 35°10' **Not Flown** (101) - 35°0' 1:790,000 3.75 7.5 Forest Health Monitoring Programs



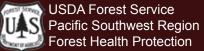
San Mateo County





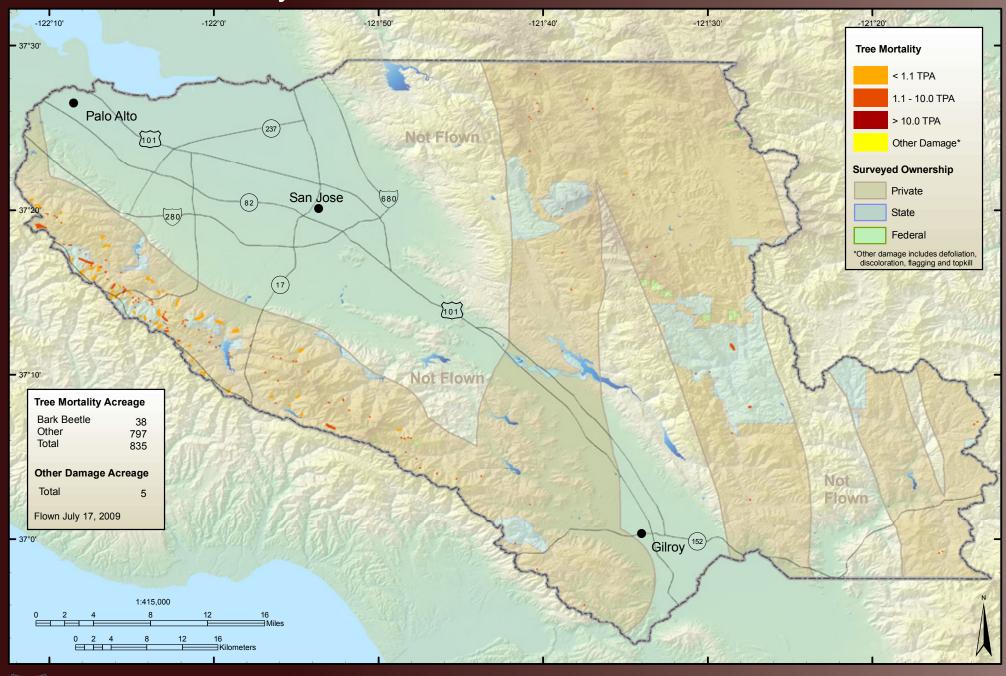
Santa Barbara County





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Santa Clara County





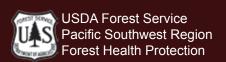
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Santa Cruz County





Shasta County -123°0' -122°10' -122°40' -122°0' -121°50' -121°40' -121°30' **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* **Surveyed Ownership** Private State Federal Not Flown *Other damage includes defoliation, discoloration, flagging and topkill Tree Mortality Acreage 28,616 Bark Beetle 248 Other 28,864 Total Other Damage Acreage 2,041 Total Flown Sept 15 to 24, Not Flowr Oct 1 to 3, 2009 Redding **Not Flown**



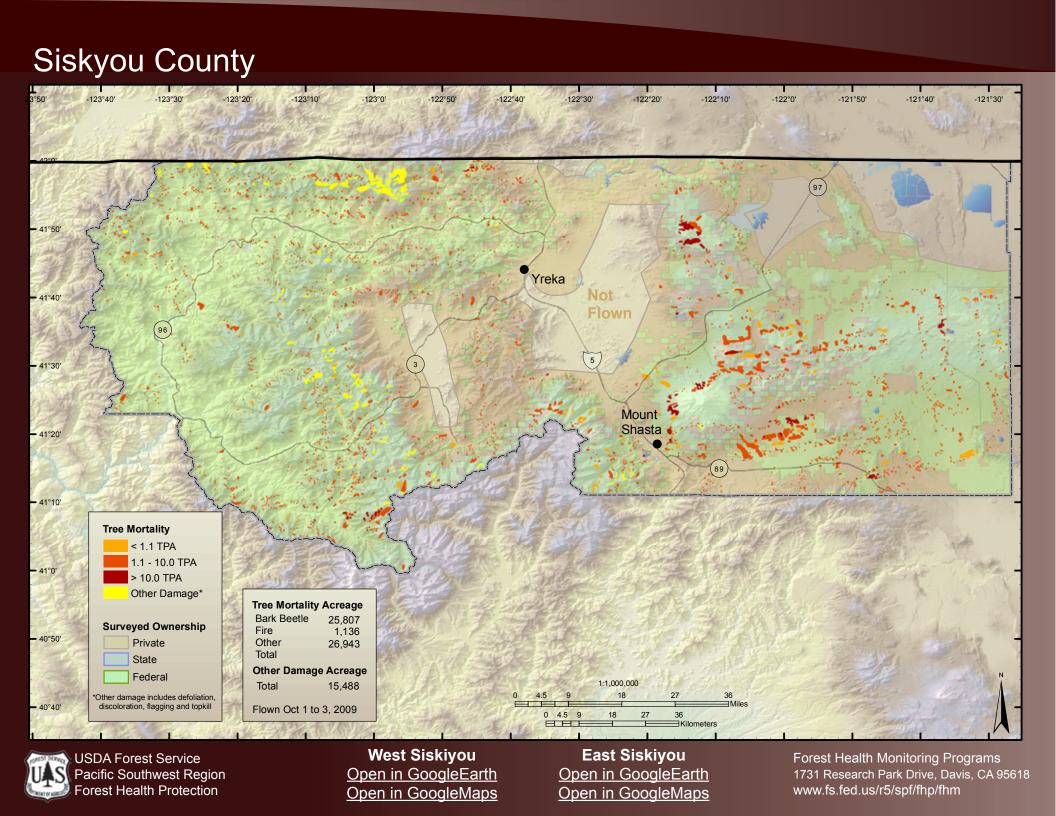
0 3.5 7

1:730,000

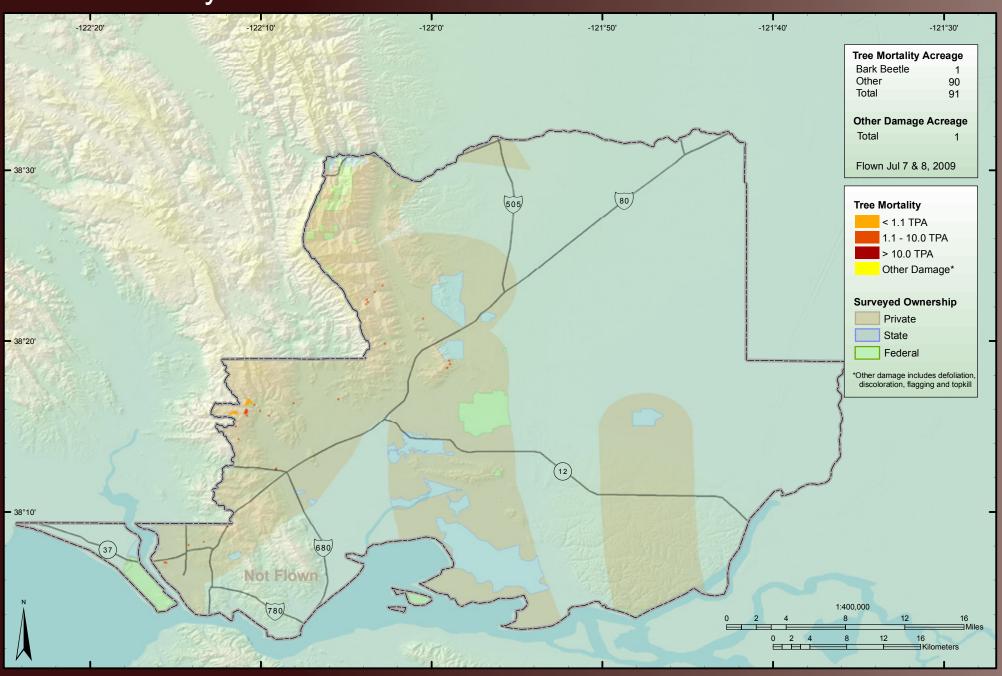
Sierra County -120°30' -120°50' -120°40' -120°20' -120°10' Sierraville Downieville • (49) **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* Tree Mortality Acreage **Surveyed Ownership** Bark Beetle 12,413 Other 87 Private Total 12,500 State Federal Other Damage Acreage Total 738 *Other damage includes defoliation, Flown Sept 15 to 24, 2009



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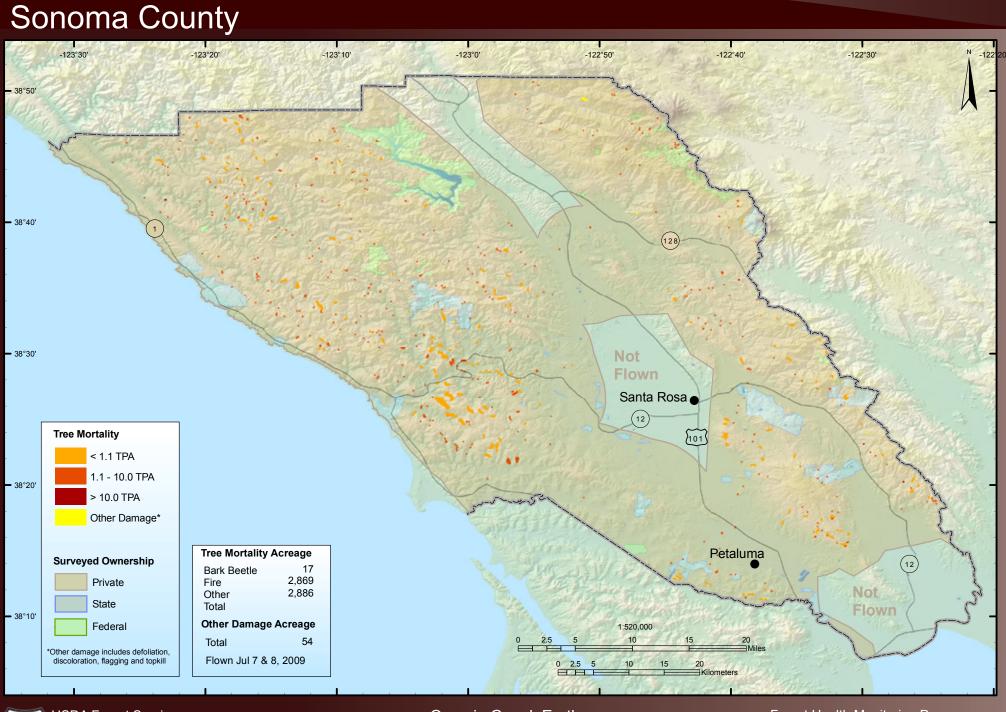


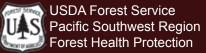
Solano County





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Open in GoogleMaps

Stanislaus County -120°50' -120°30' -121°40' -120°40' -121°10' -121°0' **Tree Mortality Acreage Tree Mortality** Bark Beetle < 1.1 TPA 11 Other 11 1.1 - 10.0 TPA Total > 10.0 TPA Other Damage Acreage Other Damage* Total Flown July 14 & 15, 2009 **Surveyed Ownership** Private State Federal **Not Flown** *Other damage includes defoliation, Modesto (132) Not Flown 1:650,000

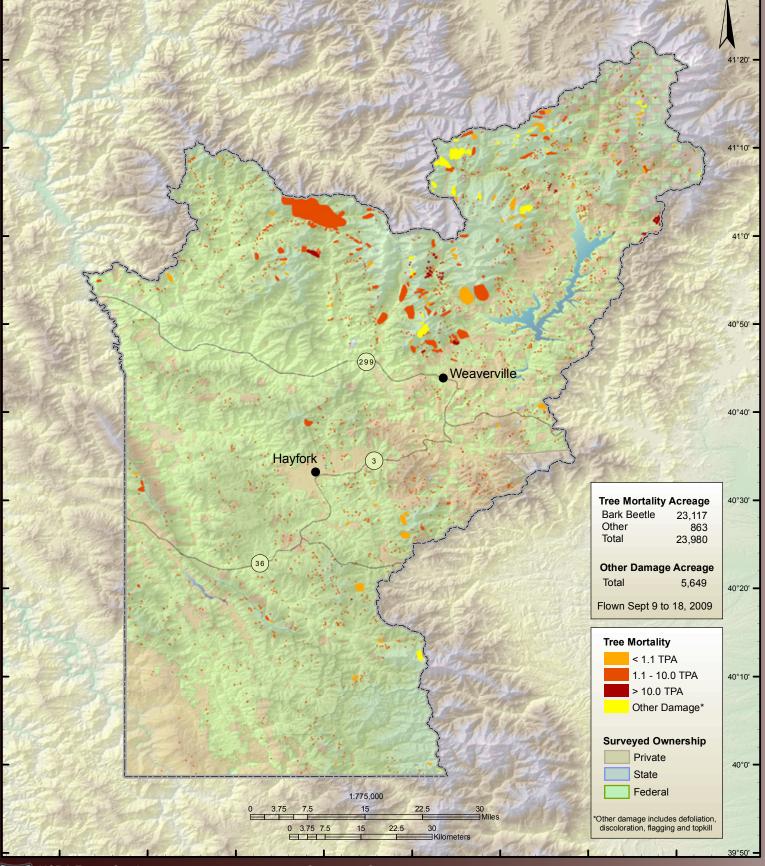


Tehama County -123°0' -122°30' -122°40' -122°20' -122°10' -122°0' **Tree Mortality Acreage Tree Mortality** Bark Beetle 2,811 < 1.1 TPA Other 15 1.1 - 10.0 TPA Total 1,826 > 10.0 TPA Other Damage Acreage Other Damage* Total 1,013 **Surveyed Ownership** Flown Sept 9 to 18, 2009 Private State Federal *Other damage includes defoliation, discoloration, flagging and topkill (36) Not Flown Red Bluff Not Flown Corning 1:725,000



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Trinity County -123°10' -123°40' -123°30' -123°0' 122°40' -122°30' 41°30' -123°20' -122°50' 41°20' 41°10' 41°0' 40°50' (299) Weaverville 40°40' Hayfork 40°30' -**Tree Mortality Acreage** Bark Beetle 23,117 Other 863 Total 23,980 Other Damage Acreage Total 5,649 40°20' -Flown Sept 9 to 18, 2009 **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA



Tulare County -119°30' -119°0' -118°40' -118°30' -118°20' -119°20' -119°10' -118°10' - 36°40' Not Flown Tree Mortality Acreage Bark Beetle 21,260 Other 21,292 Total Other Damage Acreage Total 656 Flown Aug 18 to 21, 2009 Visalia Not Flown Tulare **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA Porterville • > 10.0 TPA Other Damage* **—** 36°0' **Surveyed Ownership** Private Not Flown (99) State Federal 1:665,000 *Other damage includes defoliation, 24



Tuolumne County -119°40' -120°0' -119°20' -119°50' -120°10' Tree Mortality Acreage **Tree Mortality** Bark Beetle 29,859 < 1.1 TPA Other 1.1 - 10.0 TPA 29,886 Total > 10.0 TPA Other Damage Acreage Other Damage* Total 8,652 Flown Sept 1 to 3, 2009 **Surveyed Ownership** Private State Federal *Other damage includes defoliation, discoloration, flagging and topkill Sonora 1:600,000



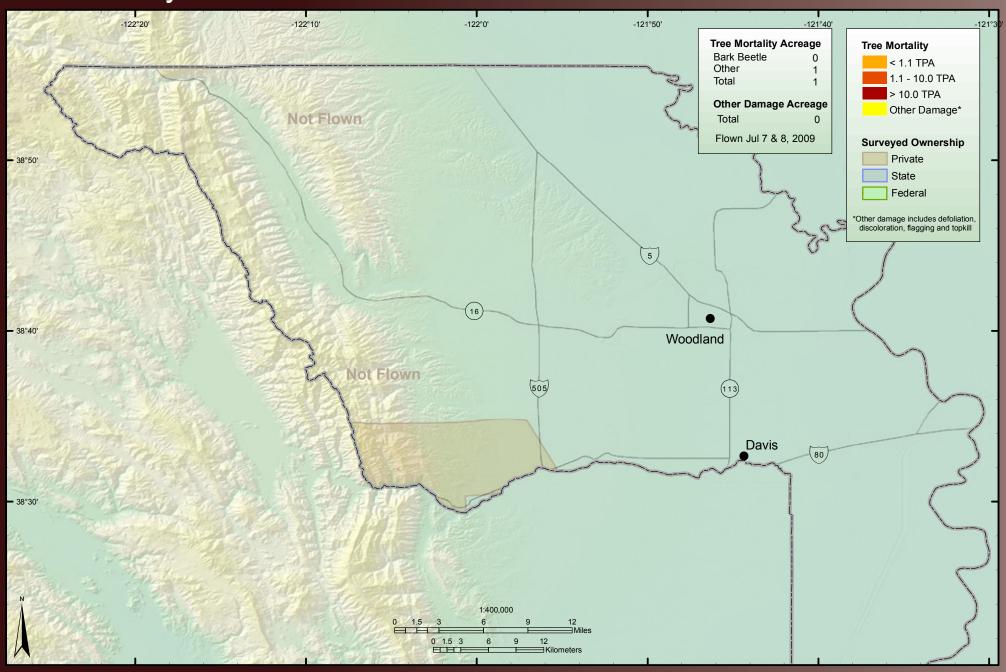
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Ventura County -118°50' -118°40 **Tree Mortality** < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* Surveyed Ownership Private State Federal *Other damage includes defoliation, discoloration, flagging and topkill **Tree Mortality Acreage** Bark Beetle 972 Other 979 Total Not Flown (150) Other Damage Acreage (126) Not Flown Total Flown Oct 20 to 23, 2009 (118) Camarillo Oxnard 101 - 34°10' Not Flown 1:550,000 20 0 2.5 5 20



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Yolo County





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Yuba County -121°20' -121°40' -121°30' Not Flown **Tree Mortality** Marysville (• < 1.1 TPA 1.1 - 10.0 TPA > 10.0 TPA Other Damage* Tree Mortality Acreage Bark Beetle 283 **Surveyed Ownership** Other 4 Total 287 Private State Other Damage Acreage 1:449,000 Federal Total Flown Sept 15 to 18, *Other damage includes defoliation, 2009



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