

# Monitoring Land Cover Changes in California

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California Land Cover Mapping and Monitoring Program



*Northeastern California Project Area*

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## **Land Cover Monitoring Team**

Lisa Levien, USDA Forest Service Forest Health Protection

Chris Fischer, California Department of Forestry and Fire Protection  
Fire and Resource Assessment Program

Pete Roffers, Pacific Meridian Resources

Barbara Maurizi, Pacific Meridian Resources

James Suero, Pacific Meridian Resources

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## **ABSTRACT**

This report summarizes vegetation change statistics between 1991 and 1996 for the Northeastern California project area. This area covers all of Amador, Butte, El Dorado, Lassen, Modoc, Nevada, Placer, Plumas, Sierra, Sutter, Yolo and Yuba counties; and partially covers Alpine, Colusa, Glenn, Lake, Napa, Sacramento, Shasta, Siskiyou, Solano and Tehama counties. Data are generated from the California Land Cover Mapping and Monitoring Program (LCMMP). This program uses Landsat Thematic Mapper (TM) satellite imagery to map vegetation and derive land cover change (losses and gains) within five-year time periods. This program also determines the cause of land cover change. The statistical tables provide estimates of land cover change by lifeform type, Wildlife Habitat Relationships System (WHR) type, ownership and cause.

For more information about the LCMMP, or to download data and maps visit our webpage at [http://frap.cdf.ca.gov/projects/land\\_cover/index.html](http://frap.cdf.ca.gov/projects/land_cover/index.html).

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## SUMMARY AND HIGHLIGHTS

The Northeastern California project area covers approximately 18.7 million acres including all of Amador, Butte, El Dorado, Lassen, Modoc, Nevada, Placer, Plumas, Sierra, Sutter, Yolo and Yuba counties, and partially includes Alpine, Colusa, Glenn, Lake, Napa, Sacramento, Shasta, Siskiyou, Solano and Tehama counties. It encompasses six national forests (Eldorado, Tahoe, Lake Tahoe Basin Management Unit, Plumas, Lassen and Modoc) and other federal, state and privately owned lands. This report assesses land cover changes on 14.8 million acres within conifer, hardwood, shrub, chaparral and grass vegetation types. Although the total project area spans 18.7 million acres of land, 3.9 million acres are not forest, shrub, chaparral or grass lands (e.g., urban, agriculture and water).

Changes in land cover are generated from the California Land Cover Mapping and Monitoring Program (LCMMP) using Landsat Thematic Mapper satellite imagery, which has a spatial resolution of 30 meters<sup>2</sup>. For the Northeastern California project area, changes are determined between 1991 and 1996. Changes in land cover range from little or no change to small, moderate and large gains and losses. The causes of change are also determined for change areas. The monitoring data is very reliable, with an overall accuracy of 89%.

### All Vegetation

- Results indicate that 93% of the total project area (14.8 million acres) did not show a change between 1991 and 1996.
- Decreases in cover for all vegetation types totaled approximately 475,000 acres or 3%, and increases totaled 570,000 acres or 4%.
- Hardwoods registered approximately the same amount of cover decrease and increase at 2% each.
- Conifers registered approximately the same amount of cover decrease and increase at 4% each.

### Hardwoods

- For the hardwoods, approximately 45,000 acres (2%) show a decrease in cover and 46,000 acres (2%) show an increase, with the majority of decrease and increase falling within private ownership.
- The montane hardwood type experienced a decrease in cover on 22,185 acres (4%) and an increase in cover on 22,729 acres (4%).
- Wildfire accounts for the largest amount of hardwood change within the project area.

### County Highlights

- All counties except Nevada have a greater acreage of hardwood cover decrease than increase.
- Shasta County has the greatest amount of total hardwood cover decrease at 11,568 acres (4% of its area), with most decrease occurring in blue oak woodland (5,330 acres).
- Harvesting and wildfire are the dominant causes of hardwood change in Shasta County.
- Wildfire is the largest cause of hardwood change in Tehama County.

### National Forest Highlights

- The Lassen National Forest has the largest acreage of hardwood change with 2,747 acres (7%) of hardwood cover decrease and 2,662 (7%) acres of hardwood cover increase.
- Wildfire is the largest cause of hardwood change on national forest lands.

### **Conifers**

- For conifers, approximately 360,000 acres (5%) show a decrease in cover and 263,000 acres (4%) show an increase, with the majority of decrease falling within private ownership and the majority of increase falling within public ownership.
- The Sierran mixed conifer class exhibits the largest change of all conifer types with a decrease in cover on 237,869 acres (8%) and an increase in cover on 167,120 acres (5%).
- Harvesting accounts for most of the conifer change followed by wildfire and regeneration.

### **County Highlights**

- All counties except Tehama have a greater acreage of conifer cover decrease than increase.
- Modoc County has about six times more decrease than increase with most in the eastside pine and Sierran mixed conifer types.
- Wildfire is the largest cause of conifer change in Shasta County.
- Harvesting is the largest cause of change in Lassen County.
- Regeneration is largest in Plumas County and development is largest in Butte County.

### **National Forest Highlights**

- All national forests except the Plumas and Lake Tahoe Basin have a greater acreage of conifer cover decrease than increase.
- The Lassen National Forest has the largest acreage of conifer cover decrease at 44,393 acres.
- Regeneration is the largest verified change on national forest lands followed by wildfire and harvesting.

### **Shrub/Chaparral**

- Shrub and chaparral change within the project area totals approximately 50,000 acres decrease (1%) and 180,000 acres increase (4%), with the majority occurring in private ownership.
- The sagebrush type experienced the largest amount of change with 17,814 acres (1%) showing a decrease in cover and 64,889 acres (3%) showing an increase in cover.
- Modoc County has the greatest shrub and chaparral cover decrease with most in the sagebrush and montane chaparral types.
- Wildfire accounts for the largest amount of shrub and chaparral change, with most in private ownership.

## INTRODUCTION

The California Land Cover Mapping and Monitoring Program (LCMMP\*) is a collaboration between the USDA Forest Service (FS) and the California Department of Forestry and Fire Protection (CDF) to create seamless vegetation and monitoring data across all ownerships and vegetation types within the state. This program uses Landsat Thematic Mapper (TM) satellite imagery to derive land cover change (losses and gains) within five-year time periods. It also determines the cause of change through fieldwork, aerial photo interpretation and GIS analysis. Monitoring data created by the LCMMP quantify changes in California's landscape and provide necessary information for regional assessment across jurisdictional boundaries. These data provide consistent, high quality information to manage, assess and protect California's diverse vegetation resources at a low per acre cost (2 cents per acre).

Monitoring vegetation change for the first statewide cycle occurs in one of four unique project areas per year (Figure 1) and will revisit each project area during the second cycle. Analysis is complete for all project areas in the first cycle. Reporting is also complete or in progress for these areas.

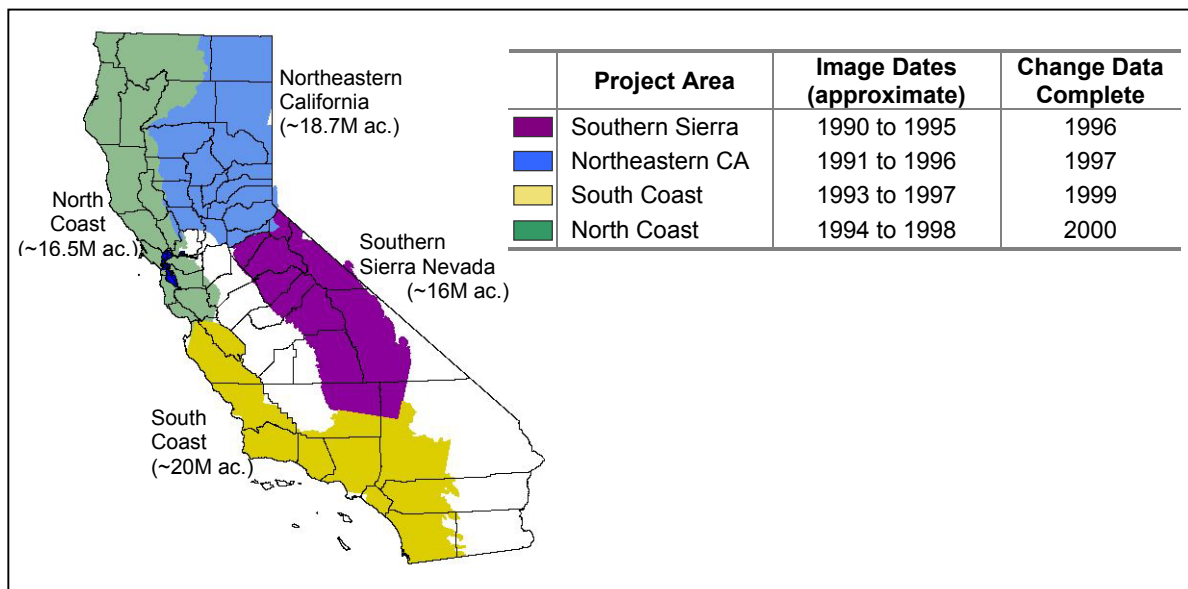


Figure 1. Location and extent of project areas with monitoring schedule.

The FS and CDF have vegetation mapping, resource management and resource protection responsibilities across much of the non-irrigated land in Northeastern California. The FS manages most resource activities within the national forests, such as timber management, forest health programs, fire protection, and grazing allotments. Permittees and state collaborators manage developed recreational areas and some fish and wildlife habitat projects on national forest lands. CDF owns and manages a 10,000-acre demonstration forest within the Northeastern California project area, is responsible for providing fire protection on most private and state lands, regulates timber harvesting on private lands and monitors resource conditions across all wildlands in the area. Monitoring information provides a single consistent source of

\* For additional information visit our web pages at [http://frap.cdf.ca.gov/projects/land\\_cover/index.html](http://frap.cdf.ca.gov/projects/land_cover/index.html)  
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current landscape level and site-specific change to both the FS and CDF as well as other interested federal (e.g., Fish and Wildlife Service, National Park Service, Bureau of Land Management), state (e.g., Fish and Game, Parks and Recreation, State Water Resources Control Board), county and city governments and other interested parties.

The Northeastern California project area covers approximately 18.7 million acres (Figure 2). This area covers all of Amador, Butte, El Dorado, Lassen, Modoc, Nevada, Placer, Plumas, Sierra, Sutter, Yolo and Yuba counties, and partially covers Alpine, Colusa, Glenn, Lake, Napa, Sacramento, Shasta, Siskiyou, Solano and Tehama counties. It encompasses six national forests (Eldorado, Tahoe, Lake Tahoe Basin Management Unit, Plumas, Lassen and Modoc) and other federal, state and privately owned lands (Figure 3).

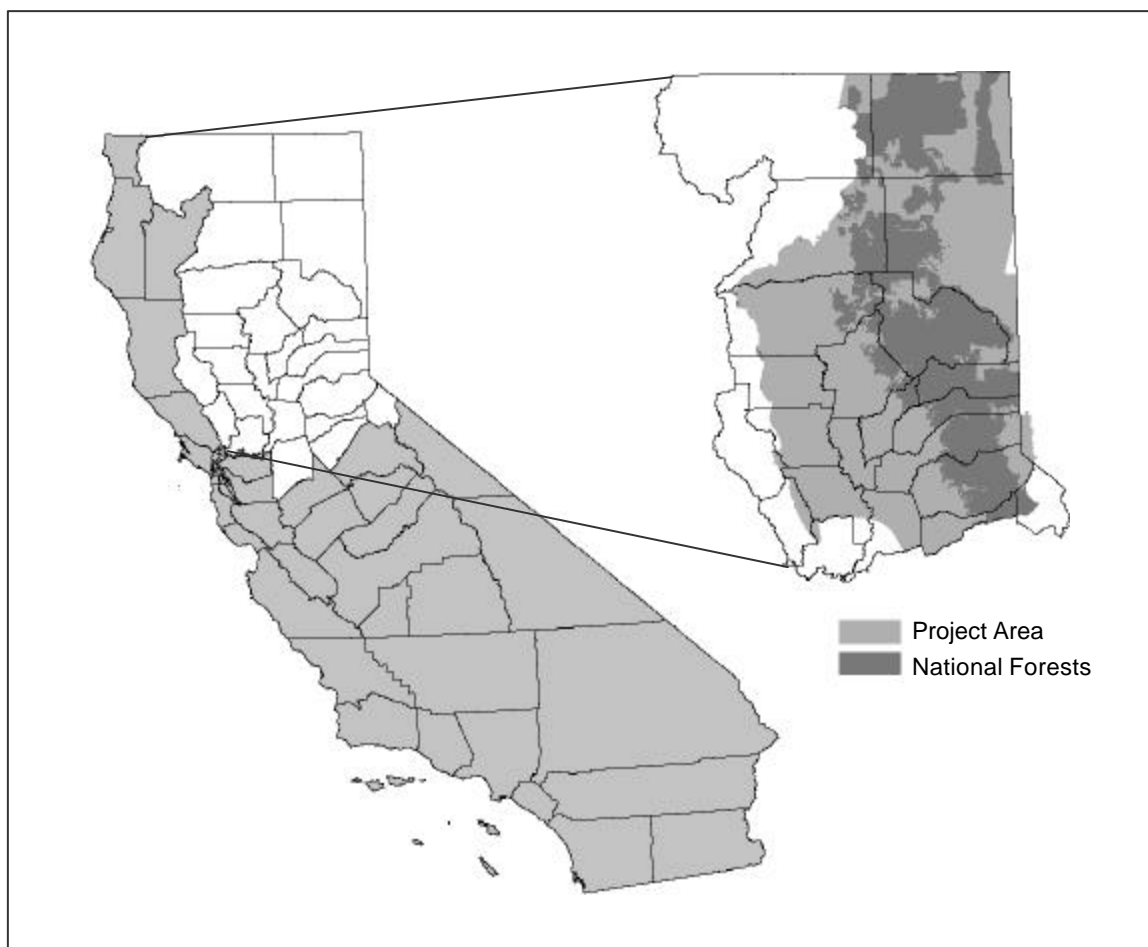
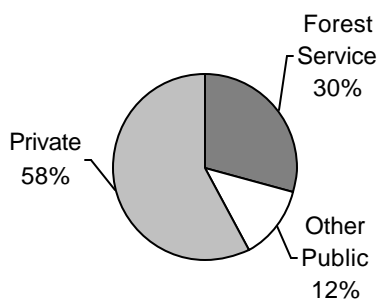


Figure 2. Location of the Northeastern California Project Area.

Table 1 shows the distribution of county acres within the project area. All counties, including those with only partial coverage, are analyzed in this report. Portions of national forests along the project area boundary are excluded in the discussion and analysis of this report since they are included in their entirety in other project areas. Those excluded include the Mendocino, Shasta-Trinity, Klamath, Stanislaus and Toiyabe.





This report assesses land cover changes on 14.8 million acres within conifer, hardwood, shrub, chaparral and grass vegetation types. Although the total project area spans 18.7 million acres of land, 3.9 million acres are not forest, shrub, chaparral or grass lands (e.g., urban, agriculture and water).

Figure 3. Ownership distribution.

Table 1. Proportion of Public and Private Ownership by County within Project Area

COUNTY	PRIVATE	PUBLIC	TOTAL COVERED	
	Acres	Acres	Acres	%
Alpine	5,345	71,729	77,074	16
Amador	294,640	87,311	381,951	100
Butte	881,665	191,044	1,072,709	100
Colusa	594,931	30,348	625,279	85
El Dorado	609,822	535,988	1,145,810	100
Glenn	585,809	21,214	607,023	72
Lake	8,185	14,659	22,844	3
Lassen	1,171,218	1,780,779	2,951,996	100
Modoc	966,555	1,720,853	2,687,407	100
Napa	65,645	31,693	97,337	19
Nevada	423,053	200,199	623,252	100
Placer	592,762	367,515	960,277	100
Plumas	496,032	1,177,675	1,673,707	100
Sacramento	398,199	13,043	411,241	65
Shasta	918,564	438,152	1,356,716	55
Sierra	183,227	432,357	615,584	100
Siskiyou	78,170	266,859	345,029	8
Solano	22,369	2,937	25,306	4
Sutter	385,798	3,497	389,294	100
Tehama	1,311,378	282,469	1,593,847	84
Yolo	542,032	29,921	571,953	100
Yuba	326,227	85,750	411,977	100

## MONITORING PROCEDURES

The LCMMP uses two dates of TM imagery to derive land cover changes. (Refer to Appendix A for a complete list of data sources). A difference in spectral reflectance (the amount of sunlight reflected from surface features to the satellite in space) between these image dates indicates where change probably occurred. The change detection process interprets these spectral reflectance differences and produces an image depicting various levels of vegetation change. (Refer to Appendix B for a complete methodological description). These levels range from little or no vegetation cover change to large, moderate and small increases and decreases in vegetation cover (Figure 4).

Comparing 300 randomly selected change areas with known reference information of the same areas assesses the accuracy of the change map. The overall accuracy of the change map is 89.3%. This means that of the 300 sample sites, 268 were correctly classified. Areas classified as a decrease were always a decrease, although the correct class was not always assigned. The same is true for the areas classified as an increase. Refer to Appendix C for more details on accuracy assessment procedures.

The causes of change are determined through GIS overlay, fieldwork and photo interpretation. The CDF forest practices database, the FS stand record system database and the CDF fire history database are overlaid onto the change map to attribute changes caused by harvests, regeneration and wildfires (Figure 5). FS resource managers interpret change maps by applying local knowledge and fieldwork to identify sources of change on national forest lands. Similarly, UC Integrated Hardwood Rangeland Management Program (IHRMP) personnel consult private landowners to identify sources of change in hardwood rangelands.

## **INTERPRETING RESULTS**

Vegetation cover increase and decrease represent vegetated areas (e.g., hardwood, conifer, shrub, etc.) that underwent some form of change between image dates. For hardwood and conifer types, the increase and decrease relates to changes in canopy cover. For shrub, chaparral and grass types, the change relates to ground cover. The little or no change class indicates that change within the existing vegetation is either nonexistent or too subtle for the methods to detect. Vegetation changes in conifer types will not always capture change in total biomass or seral stage once full crown cover is achieved. Also, vegetation cover increase, particularly a small increase, does not necessarily represent a gain in canopy or extent of a specific vegetation type. In some cases the increase represents understory regrowth, seasonal variation, or succession following a disturbance. The hardwood, shrub and chaparral types with low canopy cover are particularly sensitive to this phenomenon due to the presence of understory grasses and forbs within these types.

Vegetation change measured by canopy cover within the conifer types is not proportional to change in conifer volume measured by the size and number of trees. Essentially all canopy reductions, whether from clear cuts, selective harvests or wildfires, are captured by the change data, while only the first decade of regrowth after a disturbance is captured. The differences can be seen in Figure 5 where all the timber harvest units are captured as decreases while increases in canopy cover are only captured for the most recent plantations. In fact all the remaining forests in the photo grew substantially during the 1991 to 1996 period. Based on regional timber inventory data developed by the USFS Forest Inventory Analysis (FIA), these other sites probably increased total volume by at least ten percent over the five-year period (Waddell and Bassett, 1997 a,b). Since there was not a significant change in canopy cover on these sites, they were not recorded as conifer canopy increases. A thorough analysis of changes in conifer forest requires the use of the spatially explicit changes in canopy cover described here combined with the statistically developed regional measurements of changes in forest inventories from the USFS FIA or private land owners.

Results are particularly difficult to interpret for brushland types. Land uses that cause type conversion from brushlands (e.g. development) are most likely to result in detectable levels of vegetation change. Disturbances that do not result in type conversion (e.g., changes in grazing

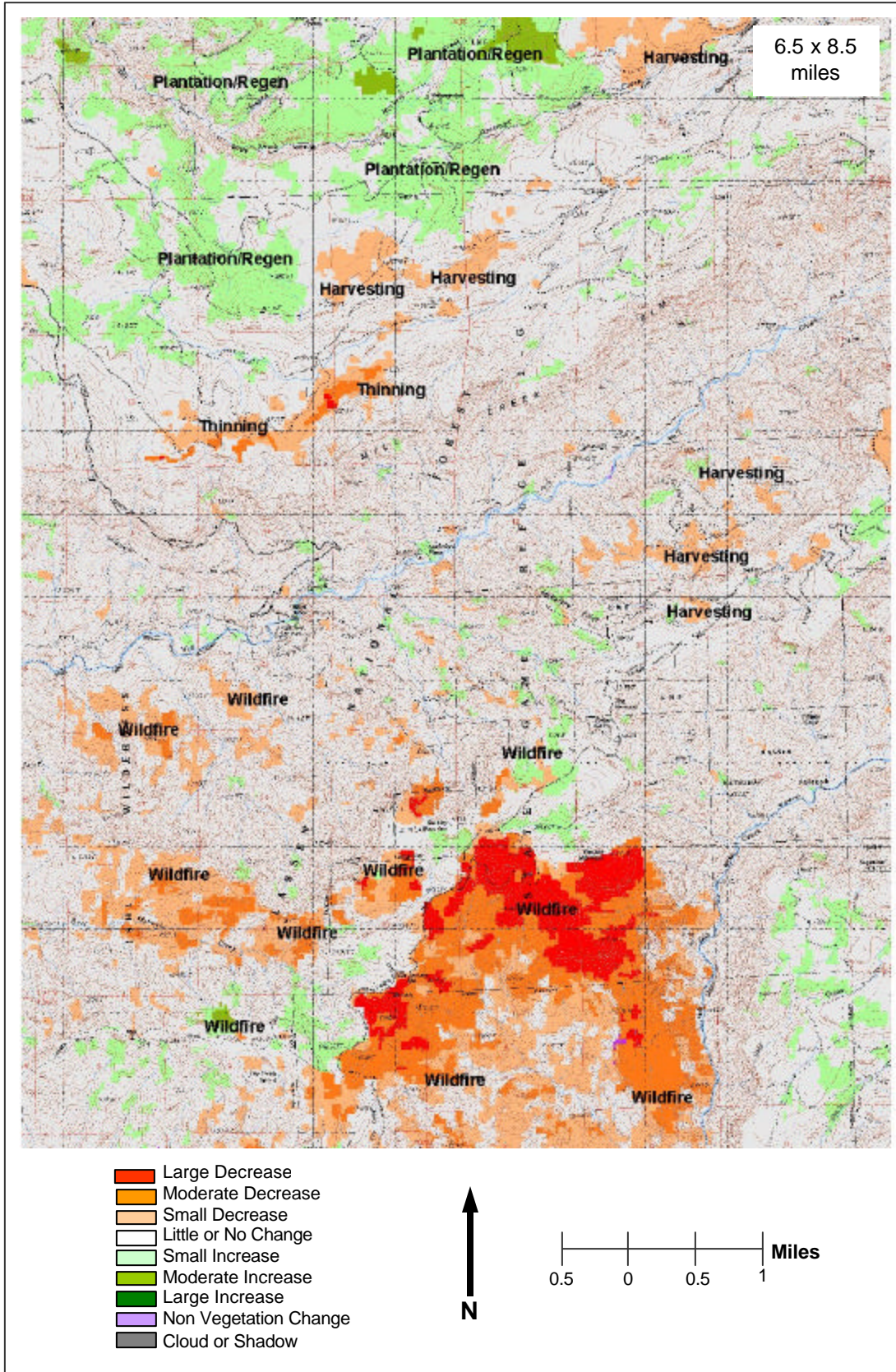


Figure 4. Portion of change map with verified cause in the Barkley Mountain quadrangle, Lassen National Forest.



Figure 5. Portion of change map on aerial photograph showing change areas compared with known harvest activities.

intensity) may escape detection. For example, Figure 6 shows two fires that burned chaparral dominated areas in 1990. The monitoring process detected regrowth in the northernmost fire, but not in the southernmost. Complex interactions between factors such as site quality, vegetation composition and structure, and fire intensity determine conditions at the two monitoring dates, and thus whether a change can be detected. Additional research is needed to explore potential improvements in the methodology for monitoring brushlands

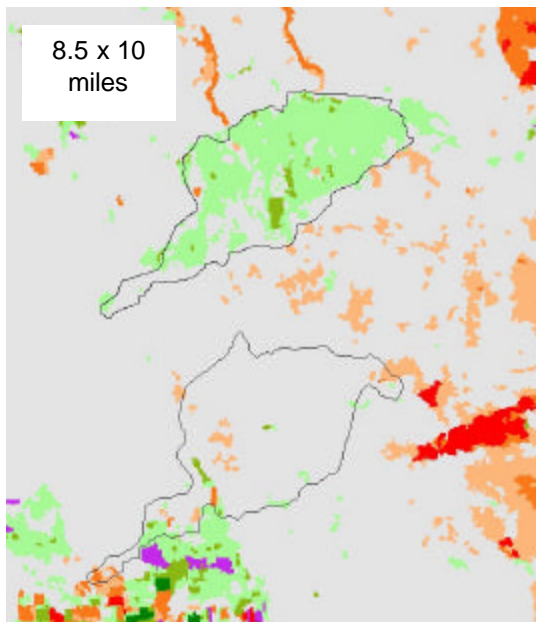


Figure 6. Comparison of two fires that burned in chaparral dominated areas.

When interpreting results by cause it is important to note that some ancillary data sources are more complete than others. Change caused by wildfire is easily verified because the FS and CDF maintain a comprehensive fire perimeter data layer. Harvesting and regeneration on national forest lands is also easily captured using the FS stand record data. Other sources of change are more difficult to verify as data is unavailable and fieldwork cannot be exhaustive.

The interaction between change classes and cause are complex. Wildfire and harvest are mainly responsible for vegetation cover decrease; however, they can represent increase in cover. For example, if the fire or harvest occurred prior to the first imagery date the area will show vegetation regrowth. Regeneration usually produces an increase in vegetation cover except when some form of

management (e.g., herbicide spray and manual vegetation release) creates a loss in vegetation within a plantation. Some causes may be detected as having an increase in vegetation cover even though their effect is actually a loss in vegetation cover. Development can have this effect when a dry area is developed and irrigation of lawns and landscaping creates a detected vegetation cover increase. Seasonal changes can be a decrease or increase, particularly within areas that have a large grass understory such as, hardwood rangelands and shrub areas. This cause reflects different amounts of moisture in the vegetation and usually does not alter the vegetation composition.

## DISCUSSION OF RESULTS

### All Vegetation

Approximately 93% of the 14.8 million acres within the project area showed no change between 1991 and 1996. Decreases in vegetation cover totaled approximately 3% and increases 4%. Most of these vegetation cover changes are in the small decrease and small increase change classes. Small vegetation cover decreases have roughly three times the acreage of the moderate and large decreases combined, and small vegetation cover increases have roughly eight times the acreage of the moderate and large increases combined.

The conifer type has the greatest acreage amount of change, with most in the small decrease and small increase change classes. The conifer type also has the most acreage in the large and moderate decrease classes compared to the other lifeform types. The hardwood type registers approximately the same amount of total decrease and increase. Increases in the shrub, chaparral and grass lifeform type are much larger than the decreases. Overall, changes are occurring in small degrees throughout the project area relative to total acres per lifeform class.

## Hardwood

Within the project area, hardwood vegetation types total approximately 2.4 million acres. Blue oak, blue oak / foothill pine and montane hardwood types cover most of this area (96%) and contain the greatest amount of change. Hardwood change within the project area totals 2% decrease and 2% increase, with the majority falling within private ownership (Table 2). Most of this change occurs in the small decrease and increase classes.

**Table 2. Acres of Hardwood Change by Ownership**

Ownership	Hardwood Acreage	Acres with Decrease	Acres with Increase
Forest Service	213,081	4,638	6,103
Other Public	171,595	1,635	5,058
Private	2,041,071	39,303	35,442
<b>All Owners</b>	<b>2,425,747</b>	<b>45,576</b>	<b>46,603</b>

Hardwood cover changes are greatest in the montane hardwood type. This hardwood type has a decrease in cover on 22,185 acres and an increase in cover on 22,729 acres. These acreages represent about 4% of the montane hardwood area. Blue oak woodland exhibits a similar pattern with more acres increasing than decreasing, while blue oak / foothill pine shows more decrease than increase in cover (approximately three times more decrease).

Cause of hardwood change is verified on 41,453 acres, or 43% of the total hardwood area that has some form of change. Wildfire accounts for the largest amount of change across this area, with most occurring within private ownership (Table 3). Seasonal change, harvest and development are also large contributors to hardwood change.

**Table 3. Percentage of Verified Hardwood Change by Ownership**

Ownership	Verified Acres	Wildfire %	Harvest %	Development %	Regeneration %	Thinning %	Seasonal %
Forest Service	6,429	71	5	0	12	0	11
Other Public	3,289	47	1	4	1	1	46
Private	31,735	45	15	8	4	5	18
<b>All Owners</b>	<b>41,453</b>	<b>49</b>	<b>12</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>19</b>

All counties, except Lassen, Modoc, Nevada, Plumas and Yuba have a greater acreage of hardwood cover decrease than increase (Table 4). Shasta County has the greatest acreage amount of hardwood cover decrease at 11,568 acres (4% of its area), with most decrease occurring in blue oak woodland (5,330 acres). Tehama County follows with 10,634 acres of hardwood cover decrease (2% of its area) then Butte, El Dorado, Nevada, Placer and Amador counties. Hardwood cover decrease within blue oak woodland and blue oak / foothill pine is also greatest in Shasta County, while montane hardwood cover decrease is greatest in El Dorado County. Tehama County has the greatest acreage of total hardwood cover increase (9,394 acres), with most occurring in blue oak woodland.

**Table 4. Acres of Hardwood Change by County**

County	Decrease in Veg.	% Decrease	Increase in Veg.	% Increase	Total Change	Total % Change
Amador	1,670	1	242	0	1,912	1
Butte	5,301	2	5,100	2	10,401	4
El Dorado	4,422	2	986	0	5,408	2
Lassen	1,239	9	1,502	11	2,741	21
Modoc	519	7	1,109	15	1,628	22
Nevada	3,413	2	5,652	3	9,065	5
Placer	2,377	1	1,982	1	4,359	2
Plumas	595	1	2,432	4	3,027	5
Shasta	11,568	4	3,226	1	14,794	5
Tehama	10,634	2	9,394	2	20,028	4
Yuba	1,495	1	2,889	2	4,384	4
<b>Total</b>	<b>43,233</b>	<b>2</b>	<b>34,514</b>	<b>2</b>	<b>77,747</b>	<b>4</b>

Within each county, the causes of hardwood change vary (Table 5). Wildfire is the largest cause of hardwood change in Eldorado, Nevada and Tehama counties. Harvesting is the largest cause of hardwood change in Amador, Butte, Shasta and Yuba counties.

**Table 5. Acres of Verified Hardwood Change by Cause and County**

County	Wildfire	Prescribed				Regeneration	Total
		Fire	Harvest	Mortality	Development		
Amador	93	253	258	81	231	0	916
Butte	543	273	1,246	0	587	642	3,291
El Dorado	632	0	313	0	393	102	1,440
Lassen	0	0	0	0	0	0	0
Modoc	66	0	10	0	0	0	76
Nevada	3,695	0	259	0	170	372	4,496
Placer	21	0	249	0	11	256	537
Plumas	37	0	99	0	0	325	461
Shasta	2,530	135	3,998	0	530	397	7,590
Tehama	9,136	0	231	0	415	0	9,782
Yuba	34	0	225	0	43	143	445
<b>Total</b>	<b>16,787</b>	<b>661</b>	<b>6,888</b>	<b>81</b>	<b>2,380</b>	<b>2,237</b>	<b>29,034</b>

The Lassen National Forest (NF) has the most acreage of hardwood cover decrease at 2,747 acres or 7% of its hardwood area and increase at 2,662 acre or 7% (Table 6). The Plumas NF also has a large amount of hardwood cover increase at 1,843 acres (2% of its area).

**Table 6. Acres of Hardwood Change by National Forest**

Forest	Decrease in Veg.	% Decrease	Increase in Veg.	% Increase	Total Change	Total % Change
Eldorado	134	1	24	0	158	2
LTCMU	30	4	170	24	200	29
Lassen	2,747	7	2,662	7	5,409	13
Modoc	64	1	904	17	968	18
Plumas	573	1	1,843	2	2,416	3
Tahoe	909	1	374	1	1,283	2
<b>Total</b>	<b>4,457</b>	<b>2</b>	<b>5,977</b>	<b>3</b>	<b>10,434</b>	<b>5</b>

Wildfire is the largest cause of hardwood change within national forests (Table 7). The Lassen NF has the largest amount of hardwood change caused by wildfire.

**Table 7. Acres of Verified Hardwood Change by Cause and National Forest**

Forest	Prescribed						Total
	Wildfire	Fire	Harvest	Mortality	Development	Regeneration	
Eldorado	18	0	9	0	0	7	34
LTCMU	0	0	0	0	0	0	0
Lassen	4,352	6	18	0	8	68	4,452
Modoc	0	0	0	0	0	0	0
Plumas	29	0	76	0	0	490	595
Tahoe	79	0	219	0	12	194	504
<b>Total</b>	<b>4,478</b>	<b>6</b>	<b>322</b>	<b>0</b>	<b>20</b>	<b>759</b>	<b>5,585</b>

## Conifer

It is important to reiterate that vegetation change measured by canopy cover within the conifer types is not proportional to change in conifer volume measured by the size and number of trees (See the Interpreting Results section). Essentially all canopy reductions, whether from clear cuts, selective harvests or wildfires, are captured by the change data, while only the first decade of regrowth after a disturbance is captured. The differences can be seen in Figure 5 where all the timber harvest units are captured as decreases while increases in canopy cover are only captured for the most recent plantations.

Coniferous vegetation types in the project area total approximately 6.2 million acres. The distribution of conifer types varies from north to south and west to east across the project area. Sierran mixed conifer, eastside pine, juniper, ponderosa pine, red fir and Jeffrey pine cover 92% of the conifer area, with the Sierran mixed conifer type covering approximately 50% of this area.

Conifer change within the project area totals 5% decrease and 4% increase, with the majority of decrease in private ownership and the majority of increase in public ownership (Table 8). Most of the acres of change in all conifer types are in the small decrease and increase classes.



**Table 8. Acres of Conifer Change by Ownership**

<b>Ownership</b>	<b>Conifer Acreage</b>	<b>Acres with Decrease</b>	<b>Acres with Increase</b>
Forest Service	3,566,500	142,773	160,669
Other Public	396,934	8,721	4,338
Private	2,235,787	208,770	97,993
<b>All Owners</b>	<b>6,199,221</b>	<b>360,264</b>	<b>263,000</b>

The Sierran mixed conifer class exhibits the largest change among all conifer types with a decrease in cover on 237,869 acres and an increase in cover on 167,120 acres. These acreages represent an 8% decrease and a 5% increase. These large numbers reflect the extensive distribution of Sierran mixed conifer within the project area, which contains a mix of pine, fir and giant sequoia. Eastside pine has the next largest total cover decrease acreage (40,395) and Jeffrey pine the next largest total cover increase acreage (28,920). Conifer types exhibiting more acres with cover decrease than increase include, eastside pine, ponderosa pine and Sierran mixed conifer. Ponderosa pine has 5% more decrease than increase in cover, while the other types have roughly 2-3% more decrease than increase in cover.

Cause of conifer change is verified on 394,132 acres, or 63% of the total conifer area that has some form of change. Harvesting accounts for most of the verified change at 34%, followed by wildfire at 30% and regeneration at 27% (Table 9). Most harvesting occurs on private ownership while most regeneration occurs on national forests.

**Table 9. Percentage of Verified Conifer Change by Ownership**

<b>Ownership</b>	<b>Verified Acres</b>	<b>Wildfire %</b>	<b>Harvest %</b>	<b>Development %</b>	<b>Regeneration %</b>	<b>Thinning %</b>	<b>Seasonal %</b>
Forest Service	199,899	30	23	0	44	1	1
Other Public	3,589	25	47	0	15	3	8
Private	190,644	31	46	2	9	6	2
<b>All Owners</b>	<b>394,132</b>	<b>30</b>	<b>34</b>	<b>1</b>	<b>27</b>	<b>4</b>	<b>2</b>

All counties except Plumas and Tehama have a greater acreage with decrease in conifer cover than increase (Table 10). Modoc County has about six times more decrease than increase with most occurring in the eastside pine and Sierran mixed conifer types. Plumas County has about three times more increase than decrease, with most occurring in the Sierran mixed conifer type.

**Table 10. Acres of Conifer Change by County**

County	Decrease in Veg.	% Decrease	Increase in Veg.	% Increase	Total Change	Total % Change
Amador	3,783	4	1,795	2	5,578	5
Butte	16,128	10	11,508	7	27,636	17
El Dorado	20,408	10	7,285	4	27,693	14
Lassen	37,231	9	12,562	3	49,793	13
Modoc	23,854	9	3,054	1	26,908	10
Nevada	5,829	5	1,521	1	7,350	6
Placer	7,683	5	2,900	2	10,583	7
Plumas	13,616	5	17,939	7	31,555	12
Shasta	57,397	17	19,930	6	77,327	23
Sierra	8,312	10	2,269	3	10,581	13
Siskiyou	721	3	494	2	1,215	5
Tehama	11,208	8	16,743	11	27,951	19
Yuba	4,174	12	1,158	3	5,332	15
<b>Total</b>	<b>210,344</b>	<b>9</b>	<b>99,158</b>	<b>4</b>	<b>309,502</b>	<b>14</b>

Within each county, the cause of conifer change differs (Table 11). Shasta County has the most verified change (72,824 acres, or 75% of changed conifer area) primarily from wildfire and harvesting. Lassen County also has much verified change (62,851 acres, or 65% of changed conifer area) caused mostly by harvesting. Regeneration is largest in Plumas County and development is largest in Butte County.

**Table 11. Acres of Verified Conifer Change by Cause and County**

County	Prescribed						Total
	Wildfire	Fire	Harvest	Mortality	Development	Regeneration	
Amador	53	3	1,390	23	67	327	1,863
Butte	921	1,455	7,722	0	3,462	4,833	18,393
El Dorado	19,181	71	6,504	169	313	13,281	39,519
Lassen	6,634	0	49,589	18	0	6,610	62,851
Modoc	1,290	0	23,774	1,124	0	4,070	30,258
Nevada	551	0	2,454	0	284	6,682	9,971
Placer	546	0	3,644	51	563	6,708	11,512
Plumas	10,197	0	11,290	0	19	39,371	60,877
Shasta	41,675	0	23,930	0	69	7,150	72,824
Sierra	32,188	0	2,083	0	0	9,163	43,434
Siskiyou	0	0	1,183	0	0	614	1,797
Tehama	6,049	0	8,204	0	2	5,288	19,543
Yuba	16	0	2,674	0	1	2,400	5,091
<b>Total</b>	<b>119,301</b>	<b>1,529</b>	<b>144,441</b>	<b>1,385</b>	<b>4,780</b>	<b>106,497</b>	<b>377,933</b>

The Eldorado, Lassen, Modoc and Tahoe NFs have a greater acreage of conifer cover decrease than increase (Table 12). The Lassen NF has the largest acreage of conifer cover decrease at 44,393 acres (6% of its area), with most occurring in Sierran mixed conifer (28,748 acres). The Tahoe NF also has a large amount of conifer cover decrease at 36,413 acres (6% of its area), mostly in Sierran mixed conifer (28,302 acres). Conifer cover decrease in eastside pine is greatest on the Lassen and Modoc NFs, Jeffrey pine and red fir on the Tahoe NF, and ponderosa pine on the Eldorado NF.

**Table 12. Acres of Conifer Change by National Forest**

Forest	Decrease in Veg.	% Decrease	Increase in Veg.	% Increase	Total Change	Total % Change
Eldorado	18,331	4	16,009	3	34,340	7
LTBMU	382	0	1,018	1	1,400	1
Lassen	44,393	6	30,967	4	75,360	10
Modoc	21,176	3	9261	1	30,437	4
Plumas	16,495	2	72,008	9	88,503	11
Tahoe	36,413	6	29,517	1	65,930	7
<b>Total</b>	<b>137,190</b>	<b>4</b>	<b>158,780</b>	<b>5</b>	<b>295,970</b>	<b>8</b>

On NF lands, 64% of conifer change has cause verified. Regeneration is the largest verified change on NF lands (Table 13). Wildfire accounts for the most conifer cover decrease, and re-growth from harvesting or wildfire accounts for the most conifer cover increase. The Plumas NF has the most verified change, primarily from regeneration, wildfire and harvesting (52,569 acres, or 51% of changed area). The Tahoe NF has 50,904 acres (63%) of verified change primarily from wildfire and regeneration. The Lassen NF has 44,231 acres (49%) primarily from harvesting and regeneration. The Eldorado NF has 23,604 acres (66%) primarily from wildfire and regeneration. The Modoc NF has 20,977 acres (45%) primarily from harvesting and regeneration.

**Table 13. Acres of Verified Conifer Change by Cause and National Forest**

Forest	Prescribed						Total
	Wildfire	Fire	Harvest	Mortality	Development	Regeneration	
Eldorado	9,213	47	2,882	25	6	11,431	23,604
LTBMU	0	0	192	0	0	0	192
Lassen	7,605	13	24,056	0	21	12,536	44,231
Modoc	501	0	13,161	503	0	6,812	20,977
Plumas	13,605	0	2,492	0	13	36,459	52,569
Tahoe	24,636	0	5,061	0	66	21,141	50,904
<b>Total</b>	<b>55,560</b>	<b>60</b>	<b>47,844</b>	<b>528</b>	<b>106</b>	<b>88,379</b>	<b>192,477</b>

**Shrub/Chaparral**

The shrub and chaparral vegetation types cover roughly 4.2 million acres within the project area. Sagebrush is the most abundant type at 2.3 million acres. Montane chaparral, mixed chaparral low sage, bitterbrush and alkali scrub cover most of the remaining area. Shrub and chaparral change within the project area totals 1% decrease and 4% increase with the majority occurring in private ownership (Table 14). Most of this change occurs in the small decrease and increase classes.

**Table 14. Acres of Shrub and Chaparral Change by Ownership**

Ownership	Shrub / Chaparral Acres	Acres with Decrease	Acres with Increase
Forest Service	1,394,011	16,912	38,558
Other Public	1,282,340	2,790	26,165
Private	1,521,669	31,037	115,606
<b>All Owners</b>	<b>4,198,020</b>	<b>50,739</b>	<b>180,329</b>

Changes in shrub and chaparral are greatest in the sagebrush type. This type experienced a decrease in cover on 17,814 acres (1% of sagebrush area) and an increase in cover on 64,889 acres (3% of sagebrush area). The montane chaparral type had a decrease in cover on 3% of its area and an increase in cover on 7% of its area, and the mixed chaparral type had a decrease in cover on 2% and an increase on 6% of its area. The remaining shrub and chaparral types have considerably more cover increase than decrease.

Cause of shrub and chaparral change is verified on 110, 637 acres (43%) of the total shrub and chaparral area that registered some form of change (Table 15). Wildfire accounts for the largest amount of change, with most in private ownership. Seasonal change also accounts for much of the total verified change within these cover types.

**Table 15. Percentage of Verified Shrub and Chaparral Change by Ownership**

Ownership	Verified Acres	Wildfire %	Harvest %	Development %	Regeneration %	Seasonal %
Forest Service	29,627	56	5	0	24	15
Other Public	10,631	24	1	0	3	72
Private	70,379	34	12	1	19	29
<b>All Owners</b>	<b>110,637</b>	<b>39</b>	<b>9</b>	<b>1</b>	<b>19</b>	<b>30</b>

All counties except Shasta and Sierra have a larger acreage of shrub and chaparral cover increase than decrease (Table 16). Lassen County has the most acreage of shrub and chaparral cover increase with most occurring in the sagebrush type. Modoc County has the largest acreage of shrub and chaparral cover decrease with most in the sagebrush and montane chaparral types.

**Table 16. Acres of Shrub and Chaparral Change by County**

County	Decrease in Veg.	% Decrease	Increase in Veg.	% Increase	Total Change	Total % Change
Butte	1,658	3	4,430	8	6,088	10
Lassen	5,978	0	51,356	3	57,334	4
Modoc	14,237	2	20,963	3	35,200	4
Plumas	3,953	1	15,451	5	19,404	6
Shasta	11,537	6	6,849	3	18,386	9
Sierra	8,589	6	3,748	3	12,337	9
Tehama	1,403	1	12,884	12	14,287	13
<b>Total</b>	<b>47,355</b>	<b>2</b>	<b>115,681</b>	<b>4</b>	<b>163,036</b>	<b>5</b>

Wildfire is the largest cause of shrub and chaparral change in Lassen, Shasta, Sierra and Tehama counties (Table 17). Regeneration accounts for the most change in Butte, Modoc and Plumas counties. Harvesting accounts for shrub and chaparral change in all counties, but is only a large component in Modoc County.

On all NF lands the acreage of shrub and chaparral cover increase (30,539 acres) is greater than the acreage of cover decrease (14,267 acres) (Table 18). The Tahoe NF has the most shrub and chaparral cover decrease (most in the mixed chaparral type) and the Plumas NF has the most cover increase (primarily in the montane chaparral type).

**Table 17. Acres of Verified Shrub and Chaparral Change by Cause and County**

County	Prescribed						Total
	Wildfire	Fire	Harvest	Mortality	Development	Regeneration	
Butte	175	210	681	0	340	1,434	2,840
Lassen	1,989	0	975	0	0	1,074	4,038
Modoc	1,819	0	4,545	0	0	6,553	12,917
Plumas	2,939	0	584	0	57	3,001	6,581
Shasta	5,376	11	629	0	42	3,871	9,929
Sierra	8,888	0	103	0	0	1,268	10,259
Tehama	12,339	0	58	0	18	326	12,741
<b>Total</b>	<b>33,525</b>	<b>221</b>	<b>7,575</b>	<b>0</b>	<b>457</b>	<b>17,527</b>	<b>59,305</b>

**Table 18. Acres of Shrub and Chaparral Change by National Forest**

Forest	Decrease in Veg.	% Decrease	Increase in Veg.	% Increase	Total Change	Total % Change
Eldorado	389	2	612	3	1,001	4
LBTMU	143	1	1,343	7	1,486	8
Lassen	1,633	1	7,049	4	8,682	5
Modoc	2,532	1	6,449	1	8,981	2
Plumas	3,023	1	9,134	4	12,157	5
Tahoe	6,547	4	5,952	4	12,499	8
<b>Total</b>	<b>14,267</b>	<b>1</b>	<b>30,539</b>	<b>3</b>	<b>44,806</b>	<b>4</b>

The largest source of change in the shrub and chaparral types with national forests is wildfire (Table 19). The Tahoe and Lassen NFs have most verified change within these types from wildfire. Regeneration is largest in the Plumas and Modoc NFs.

**Table 19. Acres of Verified Shrub and Chaparral Change by Cause and National Forest**

Forest	Prescribed						Total
	Wildfire	Fire	Harvest	Mortality	Development	Regeneration	
Eldorado	72	0	110	0	0	299	481
LBTMU	0	0	9	0	0	0	9
Lassen	5,505	0	416	0	0	304	6,225
Modoc	208	0	335	0	0	852	1,395
Plumas	2,299	0	368	0	0	3,055	5,722
Tahoe	6,769	0	205	0	0	2,304	9,278
<b>Total</b>	<b>14,853</b>	<b>0</b>	<b>1,443</b>	<b>0</b>	<b>0</b>	<b>6,814</b>	<b>23,110</b>

## DATA AVAILABILITY

The land cover monitoring images are available in Arc/Info GRID format and the cause data are available in Arc/Info polygon format. These data are available in UTM zone 10 and Albers projections using the North American datum of 1927 (NAD27). To obtain these data, visit the CDF-FRAP website at <http://frap.cdf.ca.gov>, or contact the USDA Forest Service at (916) 454-0803 or CDF-FRAP at (916) 227-2651.

## TERMINOLOGY

**CALVEG** – A vegetation classification scheme based on the Classification and Assessment with Landsat of Visible Ecological Groupings system. This classification system, developed by the USDA Forest Service, describes existing vegetation communities. It is appropriate for mapping vegetation using Landsat TM imagery and recognizes eight regions within California.

**Change Classes** – Classes of vegetation change for this program. These levels are relative amounts of change in vegetation cover (a small decrease has less vegetation change than a moderate decrease). The Cloud/Shadow class includes areas covered by clouds, cloud shadows and terrain shadows. The Non-vegetation class accounts for changes in lake water levels and snow in higher elevations.

**Co-registration** – The process of aligning pixels in one date of imagery to the corresponding pixels in another date of imagery that are in the same path and row.

**Landsat TM Imagery** – Thematic Mapper image data from the Landsat satellite. Each image covers approximately 13,225 square miles, has a pixel resolution of 30 square meters and contains seven bands of data. Each data band contains information on the amount of reflected sunlight from ground features within specific wavelengths.

**Lifeform** – A plant community aggregation into the broad land cover classes of hardwood, conifer, shrub and grass.

**Minimum Mapping Unit** – The minimum size or dimensions for features to be mapped as lines or areas.

**Mosaic** – The process of piecing together several images into one larger image.

**Nearest Neighbor Resampling** – A resampling method where the output pixel value is the same as the input pixel value, but whose coordinates are closest to the resampled coordinates of the output pixel.

**Pixel** – The smallest unit of information in an image or raster map. Also referred to as a cell in an image.

**Polygon** – A multi-sided feature representing an area and defined by the arcs that make up its boundary.

**Radiometric Correction** – The process of correcting variations in atmospheric conditions and sun angles in multiple dates of imagery.

**Supervised Classification** – Classification algorithms that examine the unknown pixels in an image and aggregate them into a number of classes based on analyst interpretation of training samples.

**Unsupervised Classification** – Classification algorithms that examine the unknown pixels in an image and aggregate them into a number of classes based on the natural groupings or clusters present in the image values.

**WHR** – A vegetation classification scheme based on the California Wildlife Habitat Relationships System. This classification system describes wildlife habitats of vertebrate animals and tends to have broad vegetation classes.

## **COUNTY TABLES and CHANGE MAPS**

### **For Each County:**

1. Change Map
2. Acres of Classified Change by Lifeform and Owner Class
3. Acres of Classified Change by Hardwood Cover Type and Owner Class
4. Acres of Classified Change by Conifer Cover Type and Owner Class
5. Acres of Verified Change by Cause and Hardwood Cover Type
6. Acres of Verified Change by Cause and Conifer Cover Type

Note: Some counties do not contain change by conifer type or change by cause.

## Amador County Monitoring Data Map

**See appendix F**



**Table C-1 Acres of Classified Change in Amador County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	177	0	0	0	3	0	37	1	2	0	0	0	0	0
SDVC	14	3	1,373	2	0	0	26	1	80	1	40	3	2	0	0	0
NCH	479	97	53,722	95	114	86	3,456	99	5,394	98	1,550	97	539	99	44	100
SIVC	0	0	1,374	2	17	13	12	0	2	0	0	0	4	1	0	0
MIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	14	0	2	2	3	0	13	0	0	0	3	1	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>493</b>	<b>100</b>	<b>56,661</b>	<b>100</b>	<b>133</b>	<b>100</b>	<b>3,500</b>	<b>100</b>	<b>5,526</b>	<b>100</b>	<b>1,592</b>	<b>100</b>	<b>547</b>	<b>100</b>	<b>44</b>	<b>100</b>

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	9	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
MDVC	206	0	126	0	82	1	3	2	243	0	305	0	82	1	6	0
SDVC	1,324	1	2,065	5	298	2	1	1	1,418	1	3,477	3	300	2	27	1
NCH	127,966	98	42,647	94	14,488	96	153	94	133,839	98	97,919	95	15,141	96	3,652	99
SIVC	222	0	421	1	78	1	5	3	224	0	1,794	2	99	1	17	0
MIVC	17	0	1	0	1	0	0	0	17	0	1	0	1	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	486	0	35	0	133	1	0	0	500	0	49	0	138	1	3	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>130,231</b>	<b>100</b>	<b>45,293</b>	<b>100</b>	<b>15,081</b>	<b>100</b>	<b>162</b>	<b>100</b>	<b>136,250</b>	<b>100</b>	<b>103,546</b>	<b>100</b>	<b>15,761</b>	<b>100</b>	<b>3,706</b>	<b>100</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-2 Acres of Classified Change in Amador County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	6	0	6	0
MDVC	0	0	1	0	21	0	22	0
SDVC	0	0	5	1	165	1	170	1
NCH	3	100	691	99	23,922	98	24,616	98
SIVC	0	0	1	0	49	0	50	0
MIVC	0	0	0	0	4	0	4	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	1	0	194	1	195	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	3	100	699	100	24,361	100	25,063	100
<b>Blue Oak/Foothill Pine</b>								
LDVC	0	0	0	0	1	0	1	0
MDVC	0	0	19	4	65	0	84	0
SDVC	0	0	28	6	295	1	323	1
NCH	0	0	443	89	42,617	99	43,060	99
SIVC	0	0	0	0	42	0	42	0
MIVC	0	0	0	0	1	0	1	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	6	1	175	0	181	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	496	100	43,196	100	43,692	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	2	0	2	0
MDVC	0	0	17	0	119	0	137	0
SDVC	14	3	47	1	864	1	925	1
NCH	447	97	4,253	98	61,425	98	66,124	98
SIVC	0	0	1	0	131	0	132	0
MIVC	0	0	0	0	12	0	12	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	6	0	118	0	124	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	462	100	4,323	100	62,671	100	67,455	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	8	100	0	0	8	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	8	100	0	0	8	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	26	100	0	0	4	100	30	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	26	100	0	0	4	100	30	100
<b>TOTAL</b>	<b>491</b>		<b>5,526</b>		<b>130,233</b>		<b>136,249</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-3 Acres of Classified Change in Amador County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Douglas Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	26	5	26	5
NCH	0	0	0	0	477	95	477	95
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	504	100	504	100
<b>Ponderosa Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	6	0	0	0	4	0	10	0
SDVC	193	4	6	26	285	8	484	6
NCH	4,391	95	17	74	3,436	92	7,844	94
SIVC	41	1	0	0	6	0	47	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	4,631	100	23	100	3,730	100	8,384	100
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	21	0	0	0	1	0	22	0
SDVC	266	2	0	0	26	2	292	2
NCH	15,570	97	0	0	1,603	97	17,173	97
SIVC	264	2	0	0	22	1	287	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	16,122	100	0	0	1,652	100	17,774	100
<b>Ponderosa Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	6	0	0	0	4	0	10	0
SDVC	193	4	6	26	285	8	484	6
NCH	4,391	95	17	74	3,436	92	7,844	94
SIVC	41	1	0	0	6	0	47	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	4,631	100	23	100	3,730	100	8,384	100
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	21	0	0	0	1	0	22	0
SDVC	266	2	0	0	26	2	292	2
NCH	15,570	97	0	0	1,603	97	17,173	97
SIVC	264	2	0	0	22	1	287	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	16,122	100	0	0	1,652	100	17,774	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-3 Acres of Classified Change in Amador County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	2	0	0	0	0	0	2	0
SDVC	117	1	0	0	4	1	121	1
NCH	9,596	96	0	0	510	90	10,106	96
SIVC	230	2	0	0	54	9	284	3
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	14	0	0	0	0	0	14	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>9,958</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>568</b>	<b>100</b>	<b>10,526</b>	<b>100</b>
<b>Sierran Mixed Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	149	1	0	0	71	1	220	1
SDVC	789	3	17	18	285	4	1,091	3
NCH	24,057	93	76	81	7,458	94	31,590	93
SIVC	835	3	0	0	104	1	938	3
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>25,830</b>	<b>100</b>	<b>93</b>	<b>100</b>	<b>7,917</b>	<b>100</b>	<b>33,839</b>	<b>100</b>
<b>White Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	2	43	0	0	9	28	11	29
NCH	3	57	0	0	23	72	26	71
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>100</b>	<b>36</b>	<b>100</b>
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	2	0	51	0	52	0
SDVC	3	5	17	1	1,430	5	1,450	4
NCH	62	95	1,458	99	29,140	94	30,659	95
SIVC	0	0	0	0	236	1	236	1
MIVC	0	0	0	0	1	0	1	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	35	0	35	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>65</b>	<b>100</b>	<b>1,476</b>	<b>100</b>	<b>30,892</b>	<b>100</b>	<b>32,433</b>	<b>100</b>
<b>TOTAL</b>	<b>56,611</b>		<b>1,592</b>		<b>45,293</b>		<b>103,496</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-4 Acres of Verified Change in Amador County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	1	0	5	6
SDVC	8	2	16	0	1	4	12	0	42	85
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	2	2
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	4	4
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	8	2	16	0	1	4	13	0	53	97
<b>Blue Oak / Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	14	17	0	0	5	0	19	0	17	72
SDVC	58	74	0	0	29	8	55	0	17	241
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	4	4
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	2	0	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	72	91	0	0	34	8	76	0	38	319
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	1	0	0	1
MDVC	0	6	27	0	0	0	37	0	49	119
SDVC	13	154	163	8	9	69	103	0	125	644
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	10	10
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	1	0	1	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	13	160	190	8	9	69	142	0	185	776
<b>TOTAL</b>	<b>93</b>	<b>253</b>	<b>206</b>	<b>8</b>	<b>44</b>	<b>81</b>	<b>231</b>	<b>0</b>	<b>276</b>	<b>1,192</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-5 Acres of Verified Change in Amador County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Ponderosa Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	3	0	0	0	0	0	0	3
SDVC	9	0	98	0	0	0	0	0	0	107
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	42	0	42
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	9	0	101	0	0	0	0	42	0	152
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	16	0	0	0	0	0	0	16
SDVC	0	0	5	0	0	0	0	0	0	5
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	122	0	122
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	21	0	0	0	0	122	0	143
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	188	0	0	0	0	0	0	188
SDVC	38	0	552	0	0	2	0	0	0	562
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	763	0	763
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	38	0	710	0	0	2	0	763	0	1,513
<b>Undetermined Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	2	0	24	0	0	0	10	0	4	40
SDVC	4	3	532	0	2	21	57	0	39	658
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	6	3	556	0	2	21	67	0	43	698
<b>TOTAL</b>	<b>53</b>	<b>3</b>	<b>1,322</b>	<b>0</b>	<b>2</b>	<b>23</b>	<b>67</b>	<b>927</b>	<b>43</b>	<b>2,506</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Butte County Monitoring Data Map

**See appendix F**

**Table C-6 Acres of Classified Change in Butte County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	26	0	418	0	0	0	0	0	4	0	6	0	0	0	0	0
MDVC	59	0	502	1	0	0	22	0	47	0	12	0	4	0	1	0
SDVC	203	1	1,561	2	0	0	168	1	143	1	88	2	15	1	27	1
NCH	26,084	97	84,268	91	6	81	10,820	94	18,338	92	5,273	92	1,819	78	1,854	87
SIVC	532	2	5,141	6	1	16	412	4	693	3	218	4	119	5	113	5
MIVC	39	0	809	1	0	3	25	0	140	1	53	1	19	1	73	3
LIVC	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
NVG	22	0	24	0	0	0	54	0	513	3	82	1	344	15	69	3
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>26,965</b>	<b>100</b>	<b>92,723</b>	<b>100</b>	<b>8</b>	<b>100</b>	<b>11,501</b>	<b>100</b>	<b>19,878</b>	<b>100</b>	<b>5,731</b>	<b>100</b>	<b>2,321</b>	<b>100</b>	<b>2,138</b>	<b>100</b>

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	486	0	1,013	1	4	0	21	0	517	0	1,438	1	4	0	21	0
MDVC	869	0	2,929	2	40	0	189	0	975	0	3,442	1	44	0	212	0
SDVC	3,465	1	12,185	7	226	1	1,230	3	3,811	1	13,834	5	241	1	1,425	2
NCH	228,094	96	139,359	83	14,617	96	39,344	88	272,516	96	228,901	86	16,442	94	52,018	89
SIVC	2,832	1	10,458	6	203	1	3,257	7	4,057	1	15,817	6	323	2	3,782	6
MIVC	599	0	804	0	37	0	543	1	778	0	1,665	1	56	0	641	1
LIVC	263	0	247	0	20	0	6	0	263	0	247	0	20	0	6	0
NVG	135	0	12	0	36	0	322	1	669	0	117	0	380	2	445	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>236,743</b>	<b>100</b>	<b>167,007</b>	<b>100</b>	<b>15,182</b>	<b>100</b>	<b>44,912</b>	<b>100</b>	<b>283,586</b>	<b>100</b>	<b>265,461</b>	<b>100</b>	<b>17,510</b>	<b>100</b>	<b>58,551</b>	<b>100</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow



**Table C-7 Acres of Classified Change in Butte County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	8	0	8	0
MDVC	0	0	11	0	138	0	149	0
SDVC	0	0	48	1	1,055	2	1,103	1
NCH	50	91	5,269	93	66,678	97	71,997	97
SIVC	5	9	146	3	709	1	860	1
MIVC	0	0	60	1	41	0	102	0
LIVC	0	0	0	0	12	0	12	0
NVG	0	0	139	2	19	0	158	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	55	100	5,673	100	68,660	100	74,388	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	4	1	14	0	19	0
MDVC	0	0	0	0	38	0	38	0
SDVC	0	0	22	3	472	2	494	2
NCH	4	86	728	86	26,863	97	27,595	97
SIVC	1	14	55	6	147	1	203	1
MIVC	0	0	10	1	14	0	24	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	25	3	7	0	31	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	5	100	844	100	27,556	100	28,404	100
<b>Montane Hardwood</b>								
LDVC	26	0	0	0	458	0	485	0
MDVC	59	0	36	0	683	1	778	0
SDVC	203	1	73	1	1,810	1	2,085	1
NCH	25,808	97	12,322	93	128,310	96	166,440	96
SIVC	484	2	467	4	1,843	1	2,793	2
MIVC	37	0	70	1	461	0	568	0
LIVC	0	0	0	0	245	0	245	0
NVG	22	0	349	3	58	0	429	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	26,640	100	13,316	100	133,867	100	173,822	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	72	82	5	76	38	74	115	79
SIVC	15	17	2	24	13	26	29	20
MIVC	1	1	0	0	0	0	1	1
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	88	100	7	100	51	100	145	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-7 Acres of Classified Change in Butte County by Hardwood Cover Type and Owner Class (continued)**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	6	0	6	0
MDVC	0	0	0	0	10	0	10	0
SDVC	0	0	0	1	125	2	126	2
NCH	0	0	8	26	5,875	94	5,883	94
SIVC	0	0	22	73	102	2	124	2
MIVC	0	0	0	0	83	1	83	1
LIVC	0	0	0	0	6	0	6	0
NVG	0	0	0	0	51	1	51	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	31	100	6,258	100	6,289	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	3	1	3	1
NCH	149	84	7	85	330	94	487	91
SIVC	28	16	1	15	17	5	47	9
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	177	100	9	100	351	100	537	100
<b>TOTAL</b>	<b>26,965</b>		<b>19,878</b>		<b>236,742</b>		<b>283,585</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-8 Acres of Classified Change in Butte County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Douglas Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	48	100	0	0	157	90	205	92
SIVC	0	0	0	0	18	10	18	8
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	48	100	0	0	175	100	223	100
<b>Lodgepole Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	3	2	0	0	44	10	46	8
NCH	108	90	0	0	329	73	437	76
SIVC	10	8	0	0	79	17	89	15
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	120	100	0	0	451	100	572	100
<b>Montane Hardwood-Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	9	1	117	4	126	3
NCH	2	100	652	96	2,855	94	3,509	94
SIVC	0	0	16	2	63	2	78	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2	100	676	100	3,035	100	3,714	100
<b>Ponderosa Pine</b>								
LDVC	165	0	5	0	300	0	470	0
MDVC	229	1	8	0	1,233	2	1,470	1
SDVC	643	2	52	2	4,635	7	5,331	5
NCH	31,060	94	2,938	93	57,354	87	91,352	90
SIVC	957	3	108	3	1,979	3	3,044	3
MIVC	133	0	14	0	84	0	231	0
LIVC	0	0	0	0	0	0	0	0
NVG	19	0	18	1	5	0	42	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	33,207	100	3,143	100	65,590	100	101,941	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-8 Acres of Classified Change in Butte County by Conifer Cover Type and Owner Class**  
(continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	16	1	0	0	0	0	16	1
NCH	1,256	92	0	0	13	89	1,269	92
SIVC	92	7	0	0	2	11	93	7
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,364	100	0	0	14	100	1,378	100
<b>Sierran Mixed Conifer</b>								
LDVC	253	0	0	0	699	1	952	1
MDVC	273	1	0	0	1,602	2	1,875	1
SDVC	856	2	3	1	7,135	8	7,994	6
NCH	47,805	89	541	87	69,548	79	117,895	83
SIVC	3,735	7	60	10	8,215	9	12,011	8
MIVC	670	1	15	2	582	1	1,267	1
LIVC	0	0	0	0	1	0	1	0
NVG	5	0	0	0	0	0	5	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	53,597	100	620	100	87,783	100	142,000	100
<b>White Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	42	1	0	0	30	5	73	1
NCH	3,989	91	0	0	523	87	4,512	91
SIVC	347	8	0	0	41	7	388	8
MIVC	5	0	0	0	7	1	12	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	4,384	100	0	0	601	100	4,985	100
<b>Undetermined Conifer</b>								
LDVC	0	0	1	0	14	0	15	0
MDVC	0	0	4	0	93	1	97	1
SDVC	0	0	24	2	225	2	249	2
NCH	0	0	1,142	88	8,581	92	9,723	91
SIVC	0	0	34	3	61	1	95	1
MIVC	0	0	24	2	130	1	154	1
LIVC	0	0	0	0	246	3	246	2
NVG	0	0	63	5	6	0	69	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	1,292	100	9,357	100	10,649	100
<b>TOTAL</b>	92,723		5,731		167,007		265,461	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-9 Acres of Verified Change in Butte County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0	4	0	0	4
MDVC	19	0	0	0	0	0	46	0	0	65
SDVC	36	1	7	1	14		310	0	1	370
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	6	2	0	1	5	0	41	0	0	55
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	11	11
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	61	3	7	2	19	0	401	0	12	505
<b>Blue Oak / Foothill Pine</b>										
LDVC	0	0	0	0	0	0	5	0	0	5
MDVC	11	0	0	3	0	0	0	0	0	14
SDVC	16	32	0	77	0	0	26	0	0	151
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1	0	0	9	0	0	2	0	0	12
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	1	0	0	0	0	3	4
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	28	32	0	90	0	0	33	0	3	186
<b>Montane Hardwood</b>										
LDVC	1	0	328	0	0	0	5	0	1	335
MDVC	239	51	238	0	0	0	30	0	1	559
SDVC	202	178	467	21	0	0	63	0	39	970
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	10	9	62	7	0	0	53	472	0	613
MIVC	2	0	0	0	0	0	1	158	0	161
LIVC	0	0	0	0	0	0	0	5	0	5
NVG	0	0	0	0	0	0	1	3	3	7
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	454	238	1,095	28	0	0	153	638	44	2,650
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	3	0	0	0	0	0	0	3
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	2	0	0	0	0	4	0	6
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	5	0	0	0	0	4	0	9
<b>TOTAL</b>	<b>543</b>	<b>273</b>	<b>1,107</b>	<b>120</b>	<b>19</b>	<b>0</b>	<b>587</b>	<b>642</b>	<b>59</b>	<b>3,350</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-10 Acres of Verified Change in Butte County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Douglas Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	2	2
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	2	2
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	13	0	30	0	0	0	0	0	0	43
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	20	0	0	0	0	0	0	0	1	21
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	33	0	30	0	0	0	0	0	1	64
<b>Montane Hardwood-Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	19	0	0	0	0	11	0	0	30
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	2	0	0	0	0	0	4	0	0	6
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2	19	0	0	0	0	15	0	0	36
<b>Ponderosa Pine</b>										
LDVC	0	0	317	0	0	0	0	0	0	317
MDVC	0	25	918	0	0	0	96	0	0	1,039
SDVC	10	236	1,487	0	0	0	944	0	0	2,677
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	67	5	69	0	0	0	131	810	0	1,082
MIVC	1	0	3	0	0	0	0	136	0	140
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	78	266	2,794	0	0	0	1,171	946	0	5,255

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-10 Acres of Verified Change in Butte County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	17	0	0	0	0	0	0	17
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	43	0	43
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	17	0	0	0	0	43	0	60
<b>Sierran Mixed Conifer</b>										
LDVC	59	40	485	0	0	0	158	0	0	742
MDVC	54	123	883	0	0	0	325	0	30	1,415
SDVC	406	844	2,755	0	0	0	1,507	0	193	5,705
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	229	153	635	0	0	0	262	2,750	211	4,240
MIVC	4	10	17	0	0	0	18	1,027	0	1,076
LIVC	0	0	0	0	0	0	0	1	0	1
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	752	1,170	4,775	0	0	0	2,270	3,778	434	13,179
<b>White Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	14	0	0	0	0	0	0	14
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	62	0	62
MIVC	0	0	0	0	0	0	0	1	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	14	0	0	0	0	63	0	77
<b>Undetermined Conifer</b>										
LDVC	0	0	0	0	0	0	2	0	0	2
MDVC	41	0	2	0	0	0	1	0	0	44
SDVC	15	0	87	0	0	0	3	0	0	105
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	3	0	0	0	0	0	0	3
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	56	0	92	0	0	0	6	0	0	154
<b>TOTAL</b>	<b>921</b>	<b>1,455</b>	<b>7,722</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,462</b>	<b>4,833</b>	<b>434</b>	<b>18,827</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Colusa County Monitoring Data Map

**See appendix F**



**Table C-11 Acres of Classified Change in Colusa County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	1	0	0	0	7	0	0	0
NCH	0	0	0	0	0	0	0	0	5,034	98	3	100	5,657	96	0	0
SIVC	0	0	0	0	0	0	0	0	85	2	0	0	223	4	0	0
MIVC	0	0	0	0	0	0	0	0	19	0	0	0	7	0	1	100
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	5,139	100	3	100	5,894	100	1	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	31	0	0	1		0	0	0	31	0	0	1	0	0	0	0
MDVC	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
SDVC	60	0	0	2	43	0	2	100	61	0	0	2	50	0	2	62
NCH	62,140	99	22	92	15,340	96	0	0	67,174	99	25	93	20,997	96	0	0
SIVC	453	1	0	1	459	3	0	0	538	1	0	1	682	3	0	0
MIVC	154	0	0	0	17	0	0	0	173	0	0	0	24	0	1	38
LIVC	119	0	1	4	33	0	0	0	119	0	1	3	33	0	0	0
NVG	58	0	0	1	43	0	0	0	58	0	0	1	43	0	0	0
CLD/SHA	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	63,017	100	24	100	15,934	100	2	100	68,157	100	27	100	21,829	100	3	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-12 Acres of Classified Change in Colusa County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	1	0	13	0	13	0
NCH	0	0	4,898	98	44,813	99	49,711	99
SIVC	0	0	77	2	319	1	396	1
MIVC	0	0	19	0	108	0	126	0
LIVC	0	0	0	0	63	0	63	0
NVG	0	0	0	0	32	0	32	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	4,995	100	45,347	100	50,342	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0
SIVC	0	0	7	100	80	100	88	100
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	7	100	80	100	88	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	4	0	4	0
NCH	0	0	116	99	12,386	99	12,501	99
SIVC	0	0	1	1	10	0	11	0
MIVC	0	0	0	0	26	0	26	0
LIVC	0	0	0	0	42	0	42	0
NVG	0	0	0	0	6	0	6	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	117	100	12,475	100	12,591	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	143	100	143	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	143	100	143	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-12 Acres of Classified Change in Colusa County by Hardwood Cover Type and Owner Class**

(continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Coastal Oak Woodland</b>								
LDVC	0	0	0	0	16	7	16	7
MDVC	0	0	0	0	2	1	2	1
SDVC	0	0	0	0	2	1	2	1
NCH	0	0	0	0	191	82	191	82
SIVC	0	0	0	0		0	0	0
MIVC	0	0	0	0	9	4	9	4
LIVC	0	0	0	0	11	5	11	5
NVG	0	0	0	0	2	1	2	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	233	100	233	100
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	15	0	15	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	41	1	41	1
NCH	0	0	21	100	4,608	97	4,629	97
SIVC	0	0	0	0	44	1	44	1
MIVC	0	0	0	0	12	0	12	0
LIVC	0	0	0	0	2	0	2	0
NVG	0	0	0	0	17	0	17	0
CLD/SHA	0	0	0	0		0	0	0
TOTAL	0	0	21	100	4,739	100	4,760	100
<b>TOTAL</b>	0		5,139		63,018		68,157	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## EIDorado County Monitoring Data Map

**See appendix F**

**Table C-13 Acres of Classified Change in El Dorado County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	30	0	0	0	28	0	2	0	18	0	0	0	0	0
MDVC	14	0	6,872	2	0	0	45	0	40	0	78	1	9	0	0	0
SDVC	121	2	8,400	2	29	1	333	1	108	1	160	2	32	1	3	0
NCH	5,419	96	367,383	93	3,372	85	23,724	93	19,529	99	9,043	95	5,868	99	593	95
SIVC	114	2	12,881	3	453	11	1,211	5	51	0	179	2	13	0	29	5
MIVC	2	0	107	0	0	0	2	0	1	0	56	1	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	1	0	649	0	132	3	55	0	74	0	1	0	15	0	0	0
CLD/SHA	0	0	658	0	0	0	109	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	5,672	100	396,979	100	3,986	100	25,506	100	19,806	100	9,535	100	5,936	100	626	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	176	0	337	0	10	0	242	2	178	0	385	0	10	0	270	1
MDVC	764	0	8,968	4	47	0	139	1	818	0	15,918	3	56	0	184	1
SDVC	3,198	1	11,103	6	320	1	347	3	3,427	1	19,663	3	380	1	683	2
NCH	223,909	98	171,825	86	33,834	98	8,600	85	248,857	98	548,251	90	43,074	97	32,917	91
SIVC	724	0	7,208	4	148	0	742	7	890	0	20,267	3	614	1	1,982	5
MIVC	89	0	77	0	3	0	2	0	92	0	240	0	3	0	3	0
LIVC	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
NVG	526	0	21	0	88	0	7	0	601	0	671	0	234	1	61	0
CLD/SHA	0	0	39	0	0	0	34	0	0	0	697	0	0	0	144	0
<b>TOTAL</b>	229,390	100	199,579	100	34,451	100	10,113	100	254,868	100	606,093	100	44,374	100	36,244	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-14 Acres of Classified Change in El Dorado County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	17	0	17	0
MDVC	0	0	4	0	82	0	86	0
SDVC	5	6	11	1	390	1	406	1
NCH	71	93	1,576	97	30,386	97	32,033	97
SIVC	0	1	15	1	155	0	170	1
MIVC	0	0	0	0	22	0	22	0
LIVC	0	0	0	0	2	0	2	0
NVG	0	0	23	1	119	0	142	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	77	100	1,628	100	31,173	100	32,878	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	3	0	3	0
MDVC	0	0	1	0	23	0	24	0
SDVC	0	4	3	0	89	1	92	1
NCH	4	82	1,097	99	16,637	99	17,738	99
SIVC	1	14	4	0	76	0	81	0
MIVC	0	0	0	0	14	0	14	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	9	1	34	0	43	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	5	100	1,113	100	16,877	100	17,995	100
<b>Montane Hardwood</b>								
LDVC	0	0	2	0	156	0	158	0
MDVC	12	0	35	0	659	0	706	0
SDVC	87	2	95	1	2,719	1	2,900	1
NCH	4,933	98	16,844	99	176,828	98	198,604	98
SIVC	15	0	33	0	487	0	535	0
MIVC	2	0	1	0	53	0	56	0
LIVC	0	0	0	0	2	0	2	0
NVG	1	0	43	0	372	0	416	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	5,050	100	17,051	100	181,277	100	203,378	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	1	87	1	87
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	13	0	13
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2	100	2	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-14 Acres of Classified Change in El Dorado County by Hardwood Cover Type and Owner Class**

(continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	2	1	0	0	0	0	2	1
SDVC	28	7	0	0	0	0	28	6
NCH	272	68	13	100	56	91	341	72
SIVC	98	24	0	0	6	9	103	22
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	400	100	13	100	62	100	475	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	1	1	0	0	0	0	1	1
NCH	139	99	0	0	1	100	139	99
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	140	100	0	0	1	100	141	100
<b>TOTAL</b>	5,672		19,805		229,390		254,868	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-15 Acres of Classified Change in El Dorado County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Douglas Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	100	0	0	37	100	37	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	100	0	0	37	100	37	100
<b>Jeffrey Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	8	0	0	0	1	0	9	0
SDVC	60	1	0	0	39	0	99	1
NCH	5,490	97	146	100	8,703	99	14,338	98
SIVC	114	2	0	0	62	1	176	1
MIVC	0	0	0	0	1	0	1	0
LIVC	0	0	0	0	0	0	0	0
NVG	11	0	0	0	10	0	21	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	5,683	100	146	100	8,816	100	14,645	100
<b>Ponderosa Pine</b>								
LDVC	15	0	0	0	110	0	125	0
MDVC	852	1	2	3	783	3	1,637	2
SDVC	2,147	3	8	9	1,712	6	3,866	4
NCH	60,129	93	77	89	23,755	88	83,962	92
SIVC	1,102	2	0	0	496	2	1,598	2
MIVC	99	0	0	0	46	0	145	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	64,344	100	87	100	26,901	100	91,332	100
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	203	0	0	0	12	0	215	0
SDVC	765	1	0	0	56	1	821	1
NCH	72,813	95	42	100	9,320	93	82,175	95
SIVC	2,067	3	0	0	566	6	2,633	3
MIVC	2	0	0	0	0	0	2	0
LIVC	0	0	0	0	0	0	0	0
NVG	16	0	0	0	0	0	16	0
CLD/SHA	558	1	0	0	30	0	588	1
TOTAL	76,424	100	42	100	9,984	100	86,450	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



**Table C-15 Acres of Classified Change in El Dorado County by Conifer Cover Type and Owner Class**

(continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	5	0	0	0	0	0	5	0
SDVC	87	0	0	0	0	0	87	0
NCH	18,128	90	0	0	145	76	18,273	90
SIVC	1,275	6	0	0	46	24	1,321	7
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	622	3	0	0	0	0	622	3
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	20,117	100	0	0	191	100	20,308	100
<b>Sierran Mixed Conifer</b>								
LDVC	15	0	18	0	53	0	86	0
MDVC	5,804	3	54	1	7,477	7	13,335	4
SDVC	5,312	2	65	1	5,827	5	11,203	3
NCH	210,027	91	4,836	93	87,218	82	302,081	89
SIVC	8,317	4	169	3	5,779	5	14,265	4
MIVC	5	0	56	1	25	0	86	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	100	0	0	0	10	0	109	0
TOTAL	229,580	100	5,198	100	106,388	100	341,166	100
<b>White Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	3	1	3	1
NCH	44	100	0	0	290	99	334	99
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	44	100	0	0	293	100	337	100
<b>Undetermined Conifer</b>								
LDVC	0	0	1	0	174	0	174	0
MDVC	0	0	22	1	695	1	717	1
SDVC	29	4	87	2	3,467	7	3,583	7
NCH	764	96	3,942	97	42,350	90	47,056	91
SIVC	5	1	9	0	259	1	273	1
MIVC	0	0	0	0	6	0	6	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	1	0	11	0	12	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	798	100	4,062	100	46,961	100	51,822	100
<b>TOTAL</b>	<b>396,990</b>		<b>9,535</b>		<b>199,571</b>		<b>606,096</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-16 Acres of Verified Change in El Dorado County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	5	0	2	0	0	0	6	0	0	13
MDVC	9	0	9	0	2	0	8	0	1	29
SDVC	22	0	7	0	12	0	19	0	0	60
NCH	0	0	0	0	3	0	7	0	0	10
SIVC	0	0	0	0	0	0	0	9	3	12
MIVC	0	0	0	0	0	0	1	2	0	3
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	36	0	18	0	17	0	41	11	4	127
<b>Blue Oak / Foothill Pine</b>										
LDVC	0	0	3		0	0	0	0	0	3
MDVC	0	0	0	0	1	0	3	0	0	4
SDVC	0	0	3	0	13	0	10	0	0	26
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	30	0	0	20	0	50
MIVC	0	0	0	0	4	0	0	5	0	9
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	1	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	6	0	48	0	14	25	0	93
<b>Montane Hardwood</b>										
LDVC	89	0	9		0	0	27	0	0	125
MDVC	172	0	25	0	13	0	58	0	4	272
SDVC	335	0	32	16	115	0	237	0	16	751
NCH	0	0	0	0	14	0	13	0	0	27
SIVC	0	0	0	0	0	0	0	52	2	54
MIVC	0	0	0	0	0	0	3	14	0	17
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	1	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	596	0	66	16	142	0	338	66	23	1,247
<b>TOTAL</b>	<b>632</b>	<b>0</b>	<b>90</b>	<b>16</b>	<b>207</b>	<b>0</b>	<b>393</b>	<b>102</b>	<b>27</b>	<b>1,467</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-17 Acres of Verified Change in El Dorado County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	4	0	0	2	0	0	0	6
SDVC	0	0	26	0	0	63	0	0	0	89
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	16	0	16
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	30	0	0	65	0	16	0	111
<b>Ponderosa Pine</b>										
LDVC	0	0	118	0	0	0	0	0	0	118
MDVC	649	0	558	11	22	0	15	0	0	1,255
SDVC	792	11	495	92	29	0	9	0	0	1,428
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	48	0	0	0	0	1,249	0	1,297
MIVC	0	0	0	0	0	0	0	110	0	110
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1,441	11	1,219	103	51	0	24	1,359	0	4,208
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	169	0	0	0	0	0	0	169
SDVC	0	0	30	0	0	4	0	0	0	34
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	834	0	834
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	588	0	588
TOTAL	0	0	199	0	0	4	0	1,422	0	1,625
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	86	0	0	0	0	0	0	86
MDVC	11,268	0	1,693	4	0	2	0	129	0	13,096
SDVC	5,296	60	2,536	70	0	96	0	27	0	8,085
NCH	0	0	0	0	0	0	0	1	0	1
SIVC	334	0	101	0	0	0	0	10,125	0	10,560
MIVC	0	0	7	0	0	0	0	78	0	85
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	110	0	110
TOTAL	16,898	60	4,423	74	0	98	0	10,470	0	32,023
<b>Undetermined Conifer</b>										
LDVC	73	0	93	0	0	0	91	0	0	166
MDVC	263	0	161	0	4	0	130	0	0	428
SDVC	506	0	349	0	8	0	67	0	0	930
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	11	0	0	12	0	23
MIVC	0	0	0	0	0	0	0	2	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	1	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	842	0	382	0	23	0	289	14	0	1,550
<b>TOTAL</b>	<b>19,181</b>	<b>71</b>	<b>6,253</b>	<b>177</b>	<b>74</b>	<b>169</b>	<b>313</b>	<b>13,281</b>	<b>0</b>	<b>39,519</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Glenn County Monitoring Data Map

**See appendix F**

**Table C-18 Acres of Classified Change in Glenn County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	62	2	7	7	1	0	0	0
NCH	640	100	6	100	96	100	0	0	3,359	94	64	64	1,302	99	0	0
SIVC	0	0	0	0	0	0	0	0	97	3	4	4	9	1	0	0
MIVC	0	0	0	0	0	0	0	0	38	1	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	23	1	26	25	9	1	3	100
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	640	100	6	100	96	100	0	0	3,582	100	101	100	1,321	100	3	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	69	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0
MDVC	13	0	0	0	4	0	0	0	15	0	0	0	4	0	0	0
SDVC	306	1	2	6	23	1	0	0	368	1	9	6	24	0	0	0
NCH	47,242	98	26	87	4,038	99	1	100	51,241	98	96	70	5,437	99	1	26
SIVC	264	1	1	4	18	0	0	0	361	1	5	4	27	0	0	0
MIVC	112	0	0	0	0	0	0	0	150	0	0	0	1	0	0	0
LIVC	11	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
NVG	51	0	1	2	14	0	0	0	74	0	26	19	22	0	3	74
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	48,068	100	30	100	4,097	100	1	100	52,290	100	137	100	5,514	100	4	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-19 Acres of Classified Change in Glenn County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	2	0	4	0	6	0
SDVC	0	0	40	1	98	0	139	0
NCH	557	100	3,044	95	36,579	99	40,180	99
SIVC	0	0	72	2	142	0	214	1
MIVC	0	0	34	1	10	0	44	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	12	0	15	0	27	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	557	100	3,205	100	36,848	100	40,610	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	2	0	2	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	104	100	1,181	99	1,285	99
SIVC	0	0	0	0	8	1	8	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	4	0	4	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	104	100	1,195	100	1,299	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	5	1	6	1
SDVC	0	0	22	8	17	3	39	4
NCH	83	100	211	77	614	95	908	91
SIVC	0	0	25	9	9	1	34	3
MIVC	0	0	4	2	0	0	4	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	11	4	1	0	12	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	83	100	273	100	647	100	1,003	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	148	100	148	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	148	100	148	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-19 Acres of Classified Change in Glenn County by Hardwood Cover Type and Owner Class**

(continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Coastal Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	2	24	2	24
NCH	0	0	0	0	6	76	6	76
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	8	100	8	100
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	69	1	69	1
MDVC	0	0	0	0	2	0	2	0
SDVC	0	0	0	0	188	2	188	2
NCH	0	0	0	0	8,714	94	8,714	94
SIVC	0	0	0	0	105	1	105	1
MIVC	0	0	0	0	102	1	102	1
LIVC	0	0	0	0	11	0	11	0
NVG	0	0	0	0	32	0	32	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	9,223	100	9,223	100
<b>TOTAL</b>	640		3,582		48,069		52,291	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-20 Acres of Classified Change in Glenn County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Ponderosa Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	6	100	0	0	0	0	6	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	6	100	0	0	0	0	6	100
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	7	7	2	6	9	7
NCH	0	0	64	64	26	87	90	69
SIVC	0	0	4	4	1	4	5	4
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	26	25	1	2	26	20
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	101	100	30	100	130	100
<b>TOTAL</b>	<b>6</b>		<b>101</b>		<b>30</b>		<b>136</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



## Lassen County Monitoring Data Map

**See appendix F**

**Table C-21 Acres of Classified Change in Lassen County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	893	0	2	0	0	0	0	0	109	0	16	0	0	0
MDVC	0	0	1,958	0	46	0	97	0	1	0	128	0	190	0	2	0
SDVC	8	1	24,593	5	200	0	91	0	19	1	3,667	2	999	0	48	0
NCH	1,316	85	414,222	90	107,224	97	24,767	94	1,904	91	186,046	96	806,155	97	30,071	99
SIVC	181	12	15,013	3	2,385	2	1,179	4	153	7	1,637	1	9,725	1	161	1
MIVC	37	2	1,323	0	251	0	75	0	13	1	221	0	1,878	0	14	0
LIVC	5	0	1	0	0	0	0	0	0	0	0	0	28	0	2	0
NVG	0	0	3	0	511	0	11	0	0	0	20	0	5,079	1	32	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	2,149	1	6,018	1	0	0
<b>TOTAL</b>	1,547	100	458,005	100	110,619	100	26,219	100	2,090	100	193,976	100	830,088	100	30,330	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	1	0	1,356	0	88	0	3	0	1	0	2,357	0	106	0	3	0
MDVC	124	1	1,577	0	1,041	0	143	0	125	1	3,663	0	1,277	0	242	0
SDVC	1,086	11	34,298	9	2,399	0	699	2	1,113	8	62,558	6	3,599	0	838	1
NCH	7,069	73	347,053	87	439,340	90	36,136	89	10,289	77	947,321	90	1,352,719	95	90,974	94
SIVC	731	8	11,797	3	33,254	7	3,174	8	1,066	8	28,447	3	45,364	3	4,514	5
MIVC	288	3	764	0	3,388	1	194	0	338	3	2,308	0	5,517	0	283	0
LIVC	93	1	1	0	178	0	1	0	97	1	2	0	206	0	3	0
NVG	276	3	16	0	9,574	2	187	0	276	2	38	0	15,165	1	230	0
CLD/SHA	0	0	94	0	1,175	0	0	0	0	0	2,243	0	7,193	1	0	0
<b>TOTAL</b>	9,667	100	396,956	100	490,439	100	40,537	100	13,304	100	1,048,938	100	1,431,146	100	97,087	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-22 Acres of Classified Change in Lassen County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	1	0	2	0	3	0
SDVC	0	0	0	0	39	1	40	1
NCH	202	94	935	98	2,910	97	4,047	97
SIVC	12	6	15	2	40	1	68	2
MIVC	0	0	0	0	2	0	2	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	215	100	951	100	2,993	100	4,159	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	7	1	19	2	11	2	37	1
NCH	1,096	84	845	96	350	83	2,291	88
SIVC	162	12	14	2	36	8	212	8
MIVC	37	3	3	0	16	4	56	2
LIVC	5	0	0	0	2	1	7	0
NVG	0	0	0	0	10	2	10	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,307	100	881	100	424	100	2,613	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	1	0	1	0
MDVC	0	0	0	0	121	2	121	2
SDVC	0	0	0	0	1,036	17	1,036	16
NCH	19	75	124	48	3,809	61	3,951	60
SIVC	6	25	124	48	656	10	786	12
MIVC	0	0	10	4	271	4	280	4
LIVC	0	0	0	0	90	1	90	1
NVG	0	0	0	0	266	4	266	4
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	25	100	258	100	6,250	100	6,532	100
<b>TOTAL</b>	<b>1,547</b>		<b>2,090</b>		<b>9,667</b>		<b>13,304</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-23 Acres of Classified Change in Lassen County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Juniper</b>								
LDVC	0	0	0	0	12	0	12	0
MDVC	0	0	13	0	16	0	29	0
SDVC	84	1	350	0	220	0	654	0
NCH	16,405	99	129,635	98	51,527	99	197,567	98
SIVC	46	0	477	0	298	1	821	0
MIVC	2	0	96	0	59	0	157	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	20	0	10	0	30	0
CLD/SHA	0	0	2,046	2	92	0	2,138	1
TOTAL	16,536	100	132,637	100	52,235	100	201,408	100
<b>Eastside Pine</b>								
LDVC	32	0	56	0	64	0	152	0
MDVC	255	0	13	0	181	0	449	0
SDVC	8,396	4	409	1	11,233	7	20,038	5
NCH	194,538	93	28,500	95	151,689	90	374,726	91
SIVC	6,695	3	922	3	5,947	4	13,563	3
MIVC	250	0	50	0	270	0	570	0
LIVC	0	0	0	0	1	0	1	0
NVG	2	0	0	0	6	0	8	0
CLD/SHA	0	0	103	0	2	0	105	0
TOTAL	210,168	100	30,052	100	169,392	100	409,612	100
<b>Jeffrey Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	4	0	0	0	3	0	6	0
SDVC	268	2	11	9	55	4	334	2
NCH	9,421	69	111	91	868	65	10,401	69
SIVC	3,233	24	0	0	211	16	3,444	23
MIVC	648	5	0	0	194	15	842	6
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	13,574	100	122	100	1,331	100	15,027	100
<b>Lodgepole Pine</b>								
LDVC	2	0	0	0	0	0	2	0
MDVC	1	0	0	0	16	0	17	0
SDVC	447	2	45	4	346	8	839	3
NCH	23,063	95	1,053	94	3,707	84	27,823	93
SIVC	644	3	20	2	268	6	933	3
MIVC	155	1	8	1	54	1	217	1
LIVC	1	0	0	0	0	0	1	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	24,314	100	1,125	100	4,392	100	29,831	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-23 Acres of Classified Change in Lassen County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Pinyon-Juniper</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	38	98	0	0	0	0	38	98
SIVC	1	2	0	0	0	0	1	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	39	100	0	0	0	0	39	100
<b>Red Fir</b>								
LDVC	68	0	0	0	2	0	71	0
MDVC	122	0	0	0	5	0	127	0
SDVC	983	4	516	5	186	9	1,685	4
NCH	25,126	91	8,866	94	1,894	89	35,886	92
SIVC	1,280	5	6	0	47	2	1,333	3
MIVC	111	0	4	0	0	0	115	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	27,691	100	9,392	100	2,135	100	39,217	100
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	8	2	0	0	0	0	8	2
NCH	340	98	57	100	0	0	397	98
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	347	100	57	100	0	0	405	100
<b>Sierran Mixed Conifer</b>								
LDVC	725	0	53	0	1,272	1	2,050	1
MDVC	1,466	1	94	0	1,350	1	2,910	1
SDVC	14,090	9	2,244	12	22,028	13	38,362	11
NCH	135,978	87	16,590	86	133,820	82	286,388	85
SIVC	3,029	2	177	1	4,909	3	8,115	2
MIVC	154	0	62	0	181	0	398	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	155,443	100	19,220	100	163,562	100	338,224	100
<b>White Fir</b>								
LDVC	65	1	0	0	5	0	70	0
MDVC	110	1	8	1	6	0	123	1
SDVC	317	3	91	7	229	6	638	4
NCH	9,312	94	1,235	90	3,548	91	14,095	93
SIVC	85	1	36	3	117	3	238	2
MIVC	4	0	1	0	6	0	10	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	9,893	100	1,371	100	3,910	100	15,174	100
<b>TOTAL</b>	<b>458,005</b>		<b>193,976</b>		<b>396,956</b>		<b>1,048,938</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-24 Acres of Verified Change in Lassen County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Salvage Harvest	Development	Regeneration	Other	Total Verified
<b>Eastside Pine</b>											
LDVC	6	0	30	0	0	0	0	0	0	0	36
MDVC	112	0	177	0	0	0	0	0	5	7	301
SDVC	158	0	10,357	2,330	0	4	0	0	7	27	12,883
NCH	0	0	0	0	0	0	0	0	0	0	0
SIVC	1,099	0	277	6	0	0	0	0	4,086	210	5,678
MIVC	176	0	20	2	0	0	0	0	35	0	233
LIVC	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,551	0	10,861	2,338	0	4	0	0	4,133	244	19,131
<b>Jeffrey Pine</b>											
LDVC	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	1	0	0	0	0	0	0	0	1
SDVC	149	0	7	0	0	0	0	0	0	0	156
NCH	0	0	0	0	0	0	0	0	0	0	0
SIVC	3,386	0	0	0	0	0	0	0	31	0	3,417
MIVC	838	0	0	0	0	0	0	0	0	0	838
LIVC	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4,373	0	8	0	0	0	0	0	31	0	4,412
<b>Juniper</b>											
LDVC	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0
SDVC	3	0	12	0	0	0	0	0	0	0	15
NCH	0	0	0	0	0	0	0	0	0	0	0
SIVC	36	0	3	0	0	0	0	0	3	0	42
MIVC	0	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0
TOTAL	39	0	15	0	0	0	0	0	3	0	57
<b>Lodgepole Pine</b>											
LDVC	0	0	2	0	0	0	0	0	0	0	2
MDVC	0	0	16	0	0	0	0	0	0	0	16
SDVC	0	0	282	15	0	0	0	0	0	0	297
NCH	0	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	88	0	0	0	0	0	10	0	98
MIVC	0	0	13	0	0	0	0	0	1	0	14
LIVC	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	401	15	0	0	0	0	11	0	427
<b>Pinyon-Juniper</b>											
LDVC	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0	0
SIVC	1	0	0	0	0	0	0	0	0	0	1
MIVC	0	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	0	0	0	0	0	0	0	1

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-24 Acres of Verified Change in Lassen County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Red Fir</b>										
LDVC	0	0	58	0	0	0	0	0	0	58
MDVC	0	0	102	0	0	0	0	0	0	102
SDVC	0	0	719	0	0	0	0	0	0	719
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	2	0	11	0	0	0	0	650	0	663
MIVC	0	0	1	0	0	0	0	84	0	85
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	891	0	0	0	0	734	0	1,627
<b>Sierran Mixed Conifer</b>										
LDVC	134	0	1,472	0	0	0	0	0	0	1,606
MDVC	177	0	2,301	13	0	0	0	0	4	2,495
SDVC	135	0	29,078	1,038	0	14	0	0	19	30,284
NCH	0	0	2	0	0	0	0	0	0	2
SIVC	205	0	337	28	0	0	0	1,523	0	2,093
MIVC	8	0	35	5	0	0	0	154	0	202
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	659	0	33,225	1,084	0	14	0	1,677	23	36,682
<b>White Fir</b>										
LDVC	0	0	70	0	0	0	0	0	0	70
MDVC	2	0	122	0	0	0	0	0	0	124
SDVC	7	0	547	0	0	0	0	0	0	554
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	12	0	0	0	0	21	0	33
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	9	0	751	0	0	0	0	21	0	781
<b>TOTAL</b>	<b>6,634</b>	<b>0</b>	<b>46,152</b>	<b>3,437</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>6,610</b>	<b>267</b>	<b>63,118</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Modoc County Monitoring Data Map

**See appendix F**



**Table C-25 Acres of Classified Change in Modoc County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	846	0	31	0	3	0	0	0	31	0	57	0	0	0
MDVC	0	0	4,543	1	64	0	7	0	2	1	133	0	56	0	0	0
SDVC	108	2	13,703	2	2,203	0	235	1	2	1	339	1	556	0	1	0
NCH	3,904	82	661,693	97	577,421	98	36,358	94	123	96	54,785	99	214,820	96	472	100
SIVC	464	10	4,097	1	7,828	1	1,943	5	2	2	102	0	7,050	3	0	0
MIVC	274	6	618	0	498	0	21	0	0	0	14	0	163	0	0	0
LIVC	24	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0
NVG	1	0	76	0	1,335	0	53	0	0	0	28	0	1,035	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	4,774	100	685,577	100	589,385	100	38,620	100	129	100	55,432	100	223,740	100	473	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	1	0	920	0	792	0	246	1	1	0	1,797	0	880	0	249	0
MDVC	31	1	7,092	3	809	0	2,117	5	32	0	11,768	1	930	0	2,123	3
SDVC	376	16	15,842	6	5,150	2	3,108	7	486	7	29,884	3	7,908	1	3,344	4
NCH	1,633	68	242,616	90	222,034	90	29,390	69	5,660	77	959,095	95	1,014,274	96	66,220	81
SIVC	130	5	2,479	1	13,063	5	7,434	18	596	8	6,677	1	27,941	3	9,377	11
MIVC	134	6	574	0	768	0	91	0	408	6	1,206	0	1,430	0	112	0
LIVC	82	3	1	0	327	0	0	0	105	1	1	0	335	0	0	0
NVG	20	1	67	0	2,879	1	71	0	22	0	171	0	5,249	0	124	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	2,406	100	269,592	100	245,822	100	42,457	100	7,309	100	1,010,601	100	1,058,947	100	81,550	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-26 Acres of Classified Change in Modoc County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	1	2	2	0	3	0
SDVC	46	0	0	0	42	9	88	8
NCH	564	0	53	98	412	89	1,029	91
SIVC	2	0	0	0	4	1	6	1
MIVC	1	0	0	0	1	0	2	0
LIVC	0	0	0	0	1	0	1	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	613	0	54	100	461	100	1,129	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	2	2	2	0
SDVC	58	2	0	0	9	7	67	2
NCH	2,936	80	5	100	81	64	3,022	79
SIVC	417	11	0	0	15	12	432	11
MIVC	254	7	0	0	16	13	270	7
LIVC	23	1	0	0	2	2	25	1
NVG	1	0	0	0	0	0	1	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	3,688	100	5	100	126	100	3,819	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	1	0	1	0
MDVC	0	0	0	1	27	1	28	1
SDVC	4	1	2	2	325	18	330	14
NCH	404	85	65	94	1,140	63	1,608	68
SIVC	46	10	2	3	111	6	159	7
MIVC	19	4	0	0	117	6	136	6
LIVC	1	0	0	0	78	4	79	3
NVG	0	0	0	0	20	1	20	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	473	100	69	100	1,819	100	2,361	100
<b>TOTAL</b>	<b>4,774</b>		<b>129</b>		<b>2,406</b>		<b>7,309</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-27 Acres of Classified Change in Modoc County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Juniper</b>								
LDVC	4	0	4	0	5	0	13	0
MDVC	316	0	67	0	570	1	953	0
SDVC	848	0	107	0	1,380	2	2,336	1
NCH	264,941	99	49,781	99	84,841	97	399,563	99
SIVC	530	0	98	0	343	0	971	0
MIVC	168	0	14	0	81	0	263	0
LIVC	0	0	0	0	1	0	1	0
NVG	25	0	28	0	30	0	83	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	266,832	100	50,100	100	87,251	100	404,183	100
<b>Eastside Pine</b>								
LDVC	150	0	0	0	661	1	812	0
MDVC	1,364	0	3	0	3,215	3	4,582	1
SDVC	5,684	2	44	1	5,404	5	11,132	3
NCH	268,868	96	3,466	99	107,918	91	380,253	95
SIVC	2,781	1	3	0	1,565	1	4,348	1
MIVC	337	0	0	0	236	0	574	0
LIVC	0	0	0	0	0	0	0	0
NVG	10	0	0	0	35	0	45	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	279,194	100	3,516	100	119,034	100	401,745	100
<b>Lodgepole Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	15	0	0	0	0	0	16	0
SDVC	4	0	0	0	0	0	4	0
NCH	9,337	98	0	0	341	100	9,678	99
SIVC	107	1	0	0	0	0	108	1
MIVC	13	0	0	0	0	0	13	0
LIVC	0	0	0	0	0	0	0	0
NVG	4	0	0	0	0	0	4	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	9,481	100	0	0	342	100	9,823	100
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	3	0	0	0	0	0	3	0
NCH	4,721	98	0	0	0	0	4,721	98
SIVC	95	2	0	0	0	0	95	2
MIVC	12	0	0	0	0	0	12	0
LIVC	0	0	0	0	0	0	0	0
NVG	6	0	0	0	0	0	6	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	4,837	100	0	0	0	0	4,837	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-27 Acres of Classified Change in Modoc County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Sierran Mixed Conifer</b>								
LDVC	518	1	25	2	218	0	761	1
MDVC	2,201	3	62	4	2,753	5	5,017	3
SDVC	5,931	7	150	10	8,093	14	14,175	10
NCH	76,911	89	1,217	84	47,868	80	125,997	86
SIVC	344	0	0	0	562	1	906	1
MIVC	75	0	0	0	256	0	331	0
LIVC	0	0	0	0	0	0	0	0
NVG	14	0	0	0	1	0	14	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	85,994	100	1,456	100	59,751	100	147,201	100
<b>White Fir</b>								
LDVC	173	0	2	0	36	1	211	0
MDVC	647	2	1	0	554	17	1,201	3
SDVC	1,232	3	38	10	965	30	2,234	5
NCH	36,916	94	320	89	1,648	51	38,884	91
SIVC	239	1	0	0	9	0	248	1
MIVC	14	0	0	0	0	0	14	0
LIVC	0	0	0	0	0	0	0	0
NVG	16	0	0	0	1	0	17	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	39,237	100	360	100	3,213	100	42,811	100
<b>TOTAL</b>	<b>685,577</b>		<b>55,432</b>		<b>269,592</b>		<b>1,010,601</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-28 Acres of Verified Change in Modoc County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	66	0	0	3	0	0	0	0	0	69
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	5	0	0	0	0	0	0	5
MIVC	0	0	1	0	0	0	0	0	0	1
LIVC	0	0	1	0	0	0	0	0	0	1
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	66	0	7	3	0	0	0	0	0	76
<b>TOTAL</b>	66	0	7	3	0	0	0	0	0	76

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-29 Acres of Verified Change in Modoc County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Eastside Pine</b>										
LDVC	8	0	211	90	0	19	0	0	476	804
MDVC	177	0	1,428	1,783	0	58	0	77	552	4,075
SDVC	17	0	3,409	2,780	0	156	0	40	515	6,917
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	304	0	81	0	0	0	0	2,890	0	3,275
MIVC	96	0	8	0	0	0	0	328	0	432
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	2	21	0	0	0	2	0	25
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	602	0	5,139	4,674	0	233	0	3,337	1,543	15,528
<b>Juniper</b>										
LDVC	0	0	4	0	0	0	0	0	0	4
MDVC	0	0	410	1	0	0	0	0	0	411
SDVC	56	0	679	9	0	0	0	0	0	744
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	33	0	12	0	0	0	0	3	0	48
MIVC	8	0	0	0	0	0	0	0	0	8
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	2	0	0	0	0	0	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	97	0	1,107	10	0	0	0	3	0	1,217
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	15	0	0	0	0	0	0	15
SDVC	0	0	3	0	0	0	0	0	0	3
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	1	0	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	19	0	0	0	0	0	0	19
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	669	81	0	3	0	0	0	753
MDVC	14	0	3,134	1,388	0	49	0	0	207	4,792
SDVC	50	0	10,129	876	0	728	0	0	73	11,856
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	299	0	23	0	0	0	0	471	0	793
MIVC	175	0	4	0	0	0	0	141	0	320
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	1	0	0	0	0	5	0	6
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	538	0	13,960	2,345	0	780	0	617	280	18,520
<b>White Fir</b>										
LDVC	0	0	199	0	0	0	0	0	0	199
MDVC	27	0	1,050	0	0	1	0	0	0	1,078
SDVC	7	0	1,647	0	0	110	0	0	0	1,764
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	17	0	5	0	0	0	0	104	0	126
MIVC	2	0	0	0	0	0	0	9	0	11
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	6	0	0	0	0	0	0	6
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	53	0	2,907	0	0	111	0	113	0	3,184
<b>TOTAL</b>	<b>1,290</b>	<b>0</b>	<b>23,132</b>	<b>7,029</b>	<b>0</b>	<b>1,124</b>	<b>0</b>	<b>4,070</b>	<b>1,823</b>	<b>38,468</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Nevada County Monitoring Data Map

**See appendix F**

**Table C-30 Acres of Classified Change in Nevada County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	16	0	168	0	0	0	3	0	4	0	3	0	0	0	0	0
MDVC	18	0	1,096	1	0	0	11	0	14	0	98	1	1	0	0	0
SDVC	131	1	2,683	2	19	0	169	1	104	1	248	3	42	1	0	0
NCH	11,308	97	103,097	89	7,588	95	21,013	92	13,341	96	7,003	95	2,722	85	345	95
SIVC	71	1	7,013	6	318	4	1,284	6	414	3	30	0	398	12	7	2
MIVC	34	0	891	1	1	0	4	0	70	1	4	0	30	1	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	27	0	365	0	47	1	456	2	6	0	1	0	5	0	10	3
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>11,605</b>	<b>100</b>	<b>115,314</b>	<b>100</b>	<b>7,973</b>	<b>100</b>	<b>22,941</b>	<b>100</b>	<b>13,953</b>	<b>100</b>	<b>7,387</b>	<b>100</b>	<b>3,198</b>	<b>100</b>	<b>362</b>	<b>100</b>

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	216	0	163	0	26	0	22	0	236	0	334	0	26	0	25	0
MDVC	299	0	1,276	1	63	0	55	0	332	0	2,471	1	64	0	66	0
SDVC	2,610	1	4,390	3	712	2	311	1	2,844	1	7,321	3	774	2	481	1
NCH	167,245	95	118,648	94	33,751	89	27,506	91	191,894	95	228,748	92	44,060	90	48,864	91
SIVC	4,560	3	1,462	1	3,039	8	1,852	6	5,045	3	8,505	3	3,755	8	3,144	6
MIVC	496	0	59	0	110	0	8	0	600	0	954	0	140	0	12	0
LIVC	6	0	0	0	1	0	0	0	6	0	0	0	1	0	0	0
NVG	159	0	226	0	88	0	570	2	193	0	592	0	140	0	1,036	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>175,592</b>	<b>100</b>	<b>126,223</b>	<b>100</b>	<b>37,789</b>	<b>100</b>	<b>30,324</b>	<b>100</b>	<b>201,150</b>	<b>100</b>	<b>248,924</b>	<b>100</b>	<b>48,960</b>	<b>100</b>	<b>53,627</b>	<b>100</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow



**Table C-31 Acres of Classified Change in Nevada County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	18	0	18	0
MDVC	0	0	0	0	18	0	18	0
SDVC	0	0	8	1	322	2	330	2
NCH	15	90	764	81	15,070	91	15,849	90
SIVC	1	5	142	15	927	6	1,070	6
MIVC	0	0	29	3	187	1	216	1
LIVC	0	0		0	1	0	1	0
NVG	1	4	2	0	30	0	32	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	17	100	945	100	16,573	100	17,534	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	19	0	19	0
MDVC	0	0	0	0	8	0	8	0
SDVC	0	0	1	0	120	2	121	2
NCH	0	0	153	90	6,031	95	6,184	95
SIVC	0	0	16	10	165	3	181	3
MIVC	0	0	0	0	16	0	17	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	8	0	8	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	171	100	6,367	100	6,538	100
<b>Montane Hardwood</b>								
LDVC	16	0	4	0	179	0	199	0
MDVC	16	0	14	0	272	0	302	0
SDVC	130	1	95	1	2,165	1	2,390	1
NCH	10,853	98	12,424	97	145,697	96	168,975	96
SIVC	62	1	256	2	3,460	2	3,778	2
MIVC	34	0	40	0	294	0	368	0
LIVC	0	0	0	0	5	0	5	0
NVG	19	0	5	0	111	0	134	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	11,130	100	12,838	100	152,182	100	176,151	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	2	0	0	0	2	0	4	0
SDVC	1	0	0	0	3	1	4	0
NCH	440	96	0	0	448	95	888	96
SIVC	8	2	0	0	8	2	16	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	8	2	0	0	11	2	18	2
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	458	100	0	0	471	100	929	100
<b>TOTAL</b>	<b>11,605</b>		<b>13,953</b>		<b>175,593</b>		<b>201,152</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-32 Acres of Classified Change in Nevada County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Eastside Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	8	2	0	0	127	8	134	6
NCH	482	98	58	100	1,557	92	2,097	94
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	490	100	58	100	1,684	100	2,231	100
<b>Jeffrey Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	55	0	0	0	56	0	111	0
SDVC	375	3	0	0	431	2	806	3
NCH	10,020	91	560	100	17,767	97	28,347	95
SIVC	590	5	0	0	57	0	647	2
MIVC	0	0	0	0	5	0	5	0
LIVC	0	0	0	0	0	0	0	0
NVG	1	0	0	0	2	0	3	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	11,041	100	560	100	18,318	100	29,919	100
<b>Lodgepole Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	5	0	24	13	5	0	34	1
SDVC	33	2	25	14	92	2	149	2
NCH	1,945	96	128	73	4,284	97	6,357	96
SIVC	41	2	0	0	35	1	76	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	4	0	0	0	0	0	4	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,029	100	177	100	4,415	100	6,620	100
<b>Montane Hardwood-Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	8	3	0	0	0	0	8	3
SDVC	12	5	0	0	1	4	13	5
NCH	248	92	0	0	19	96	267	93
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	268	100	0	0	20	100	288	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-32 Acres of Classified Change in Nevada County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Ponderosa Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	8	1	3	8	5	1	16	1
SDVC	30	4	5	15	40	5	76	5
NCH	760	95	27	76	705	94	1,492	94
SIVC	2	0	0	1	0	0	2	0
MIVC	1	0	0	0	1	0	2	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	801	100	35	100	752	100	1,588	100
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	127	1	4	3	88	0	219	0
SDVC	413	2	34	24	593	2	1,041	2
NCH	23,148	94	106	73	24,522	94	47,775	94
SIVC	545	2	0	0	774	3	1,320	3
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	308	1	0	0	193	1	502	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	24,542	100	144	100	26,170	100	50,856	100
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	5	1	0	0	1	0	6	0
SDVC	9	1	0	0	10	0	19	1
NCH	716	92	0	0	2,047	97	2,763	96
SIVC	4	1	0	0	28	1	32	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	47	6	0	0	20	1	66	2
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	781	100	0	0	2,105	100	2,886	100
<b>Sierran Mixed Conifer</b>								
LDVC	168	0	0	0	51	0	220	0
MDVC	880	1	19	3	497	1	1,396	1
SDVC	1,793	2	28	4	1,671	4	3,493	3
NCH	65,432	87	649	92	37,707	93	103,789	89
SIVC	5,829	8	6	1	506	1	6,342	5
MIVC	889	1	0	0	37	0	926	1
LIVC	0	0	0	0	0	0	0	0
NVG	5	0	0	0	4	0	10	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	74,998	100	703	100	40,474	100	116,175	100
<b>Undetermined Conifer</b>								
LDVC	0	0	3	0	111	0	114	0
MDVC	9	2	48	1	625	2	682	2
SDVC	8	2	155	3	1,425	4	1,589	4
NCH	346	95	5,475	96	30,039	93	35,859	93
SIVC	2	0	23	0	62	0	87	0
MIVC	1	0	4	0	16	0	21	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	1	0	6	0	7	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	365	100	5,709	100	32,285	100	38,359	100
<b>TOTAL</b>	<b>115,314</b>		<b>7,387</b>		<b>126,223</b>		<b>248,924</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-33 Acres of Verified Change in Nevada County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	6	0	1	0	0	0	4	0	0	11
MDVC	2	0	0	0	0	0	2	0	1	5
SDVC	29	0	2	0	0	0	27	1	18	77
NCH	0	0	0	0	0	0	1	0	0	1
SIVC	782	0	1	0	0	0	6	7	0	796
MIVC	176	0	0	0	0	0	0	11	0	187
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	4	0	0	0	0	0	0	0	0	4
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	999	0	4	0	0	0	40	19	19	1,081
<b>Blue Oak / Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	16	16
MDVC	0	0	0	0	0	0	0	0	4	4
SDVC	1	0	1	0	0	0	4	0	40	46
NCH	0	0	0	0	0	0	0	0	1	1
SIVC	91	0	0	0	0	0	0	0	0	91
MIVC	1	0	0	0	0	0	0	0	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	93	0	1	0	0	0	4	0	61	159
<b>Montane Hardwood</b>										
LDVC	38	0	67	0	0	0	10	34	6	155
MDVC	22	0	44	0	0	0	11	21	20	118
SDVC	227	0	131	0	0	0	98	109	153	718
NCH	2	0	3	0	0	0	0	11	5	21
SIVC	2,171	0	9	0	0	0	7	139	0	2,326
MIVC	139	0	0	0	0	0	0	38	0	177
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	4	0	0	0	0	0	0	1	0	5
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2,603	0	254	0	0	0	126	353	184	3,520
<b>TOTAL</b>	<b>3,695</b>	<b>0</b>	<b>259</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>170</b>	<b>372</b>	<b>264</b>	<b>4,760</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-34 Acres of Verified Change in Nevada County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Eastside Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	80	0	0	0	0	0	0	0	0	80
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	80	0	0	0	0	0	0	0	0	80
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	50	0	0	0	0	0	0	50
SDVC	27	0	158	0	0	0	2	0	0	187
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	32	0	0	0	0	0	0	325	0	357
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	59	0	208	0	0	0	2	325	0	594
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	17	0	17
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	17	0	17
<b>Ponderosa Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	1	0	0	0	0	0	0	1
SDVC	0	0	0	0	0	0	3	11	0	14
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	1	0	1
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	0	0	3	12	0	16
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	88	0	0	0	0	0	0	88
SDVC	0	0	59	0	0	0	0	0	0	59
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	168	0	168
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	147	0	0	0	0	168	0	315

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-34 Acres of Verified Change in Nevada County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	203	0	0	0	0	3	0	206
MDVC	3	0	903	0	0	0	32	25	0	963
SDVC	139	0	752	0	0	0	98	34	0	1,023
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	240	0	0	0	0	0	1	5,198	0	5,439
MIVC	9	0	0	0	0	0	0	891	0	900
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	391	0	1,858	0	0	0	131	6,151	0	8,531
<b>Undetermined Conifer</b>										
LDVC	9	0	69	0	0	0	0	0	0	78
MDVC	7	0	84	0	0	0	35	0	0	126
SDVC	4	0	87	0	0	0	113	0	0	204
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1	0	0	0	0	0	0	8	0	9
MIVC	0	0	0	0	0	0	0	1	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	21	0	240	0	0	0	148	9	0	418
<b>TOTAL</b>	<b>551</b>	<b>0</b>	<b>2,454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>6,682</b>	<b>0</b>	<b>9,971</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Placer County Monitoring Data Map

**See appendix F**

**Table C-35 Acres of Classified Change in Placer County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	65	0	147	0	0	0	5	0	1	0	1	0	0	0	0	0
MDVC	34	0	1,231	1	1	0	36	0	17	0	99	1	2	0	0	0
SDVC	188	1	3,365	2	1	0	310	1	160	1	195	2	105	2	6	1
NCH	29,601	98	202,959	94	1,062	97	54,537	93	23,737	98	12,117	97	5,399	95	564	93
SIVC	182	1	6,517	3	8	1	2,697	5	197	1	30	0	155	3	26	4
MIVC	27	0	818	0	0	0	19	0	8	0	5	0	2	0	6	1
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	4	0	328	0	26	2	1,129	2	9	0	1	0	8	0	2	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>30,102</b>	<b>100</b>	<b>215,365</b>	<b>100</b>	<b>1,098</b>	<b>100</b>	<b>58,733</b>	<b>100</b>	<b>24,129</b>	<b>100</b>	<b>12,448</b>	<b>100</b>	<b>5,672</b>	<b>100</b>	<b>604</b>	<b>100</b>

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	174	0	340	0	12	0	4	0	240	0	488	0	12	0	9	0
MDVC	181	0	1,574	1	25	0	80	0	232	0	2,904	1	28	0	115	0
SDVC	1,556	1	5,768	4	318	2	410	1	1,904	1	9,329	3	424	2	726	1
NCH	153,323	98	131,138	92	17,700	96	39,160	93	206,661	98	346,215	94	24,162	96	94,261	93
SIVC	1,219	1	2,797	2	317	2	1,852	4	1,599	1	9,344	3	481	2	4,575	5
MIVC	307	0	98	0	39	0	2	0	342	0	920	0	41	0	28	0
LIVC	41	0	6	0	4	0	0	0	41	0	6	0	4	0	0	0
NVG	158	0	143	0	38	0	545	1	170	0	472	0	72	0	1,676	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>156,959</b>	<b>100</b>	<b>141,865</b>	<b>100</b>	<b>18,453</b>	<b>100</b>	<b>42,053</b>	<b>100</b>	<b>211,190</b>	<b>100</b>	<b>369,678</b>	<b>100</b>	<b>25,224</b>	<b>100</b>	<b>101,390</b>	<b>100</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow



**Table C-36 Acres of Classified Change in Placer County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	23	0	23	0
MDVC	0	1	2	0	15	0	17	0
SDVC	0	0	19	1	217	1	237	1
NCH	27	95	1,705	97	25,568	98	27,300	98
SIVC	1	4	31	2	209	1	241	1
MIVC	0	0	1	0	94	0	95	0
LIVC	0	0	0	0	16	0	16	0
NVG	0	0	3	0	39	0	42	0
CLD/SHA	0	0	0	0		0		0
TOTAL	28	100	1,761	100	26,181	100	27,970	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	7	0	7	0
MDVC	0	0	0	0	2	0	2	0
SDVC	0	0	2	2	59	1	61	1
NCH	0	0	119	96	4,272	97	4,391	97
SIVC	0	0	3	2	19	0	22	0
MIVC	0	0	0	0	15	0	15	0
LIVC	0	0	0	0	9	0	9	0
NVG	0	0	0	0	6	0	6	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	123	100	4,389	100	4,512	100
<b>Montane Hardwood</b>								
LDVC	65	0	1	0	144	0	210	0
MDVC	34	0	15	0	164	0	213	0
SDVC	185	1	138	1	1,280	1	1,603	1
NCH	28,170	99	21,903	99	122,991	98	173,064	98
SIVC	107	0	164	1	944	1	1,215	1
MIVC	27	0	7	0	199	0	233	0
LIVC	0	0	0	0	16	0	16	0
NVG	3	0	6	0	111	0	120	0
CLD/SHA	0	0	0	0		0		0
TOTAL	28,592	100	22,234	100	125,848	100	176,674	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	214	77	0	0	28	53	242	73
SIVC	63	23	0	0	23	44	87	26
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	2	3	2	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	278	100	0	0	53	100	331	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-36 Acres of Classified Change in Placer County by Hardwood Cover Type and Owner Class (continued)**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	19	100	19	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	19	100	19	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	3	0	0	0	1	0	4	0
NCH	1,190	99	11	100	446	95	1,647	98
SIVC	11	1	0	0	23	5	34	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,204	100	11	100	470	100	1,685	100
<b>TOTAL</b>	<b>30,102</b>		<b>24,129</b>		<b>156,960</b>		<b>211,191</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-37 Acres of Classified Change in Placer County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Ponderosa Pine</b>								
LDVC	1	0	0	0	2	0	3	0
MDVC	54	0	0	0	139	2	193	1
SDVC	374	3	1	0	632	10	1,007	6
NCH	10,455	96	279	99	5,762	87	16,495	93
SIVC	35	0	0	0	71	1	106	1
MIVC	6	0	0	0	2	0	8	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	10,925	100	280	100	6,607	100	17,812	100
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	139	0	0	0	37	0	176	0
SDVC	386	1	5	13	665	2	1,055	1
NCH	45,607	96	31	87	30,014	94	75,652	95
SIVC	1,106	2	0	0	1,104	3	2,211	3
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	322	1	0	0	126	0	448	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	47,560	100	36	100	31,945	100	79,542	100
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	2	0	0	0	3	1	6	0
NCH	908	99	0	0	582	98	1,490	98
SIVC	8	1	0	0	9	2	17	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	919	100	0	0	595	100	1,514	100
<b>Sierran Mixed Conifer</b>								
LDVC	145	0	0	0	252	0	397	0
MDVC	1,023	1	0	0	868	1	1,891	1
SDVC	2,525	2	8	0	3,194	5	5,728	3
NCH	140,439	93	1,972	99	54,648	90	197,059	93
SIVC	5,259	4	17	1	1,438	2	6,715	3
MIVC	810	1	0	0	62	0	872	0
LIVC	0	0	0	0	0	0	0	0
NVG	6	0	0	0	6	0	12	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	150,208	100	1,997	100	60,469	100	212,673	100
<b>White Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	15	97	0	0	898	96	913	96
SIVC	0	3	0	0	38	4	39	4
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	16	100	0	0	936	100	952	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-37 Acres of Classified Change in Placer County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Undetermined Conifer</b>								
LDVC	0	0	1	0	87	0	88	0
MDVC	2	1	99	1	528	2	630	2
SDVC	8	5	180	2	785	3	973	2
NCH	158	92	9,776	97	27,572	95	37,506	95
SIVC	2	1	13	0	96	0	110	0
MIVC	2	1	5	0	34	0	40	0
LIVC	0	0	0	0	6	0	6	0
NVG	0	0	1	0	8	0	9	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	172	100	10,074	100	29,116	100	39,363	100
<b>TOTAL</b>	215,365		12,449		141,865		369,679	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-38 Acres of Verified Change in Placer County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0	7	1	0	8
MDVC	0	0	0	0	0	0	1	1	0	2
SDVC	0	0	1	0	0	0	6	0	0	7
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1	0	0	0	0	0	6	17	0	24
MIVC	0	0	0	0	0	0	2	18	0	20
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	2	0	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	1	0	0	0	24	37	0	63
<b>Blue Oak/Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	2	0	0	2
MIVC	0	0	0	0	0	0	0	1	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	2	1	0	3
<b>Montane Hardwood</b>										
LDVC	4	0	99	0	0	0	17	22	0	142
MDVC	0	0	43	0	0	0	8	7	0	58
SDVC	16	0	85	0	0	0	34	1	0	136
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	17	0	0	0	22	146	0	185
MIVC	0	0	3	0	0	0	3	39	0	45
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	6	0	0	6
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	20	0	247	0	0	0	90	215	0	572
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	1	0	0	0	0	0	0	1
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	3	0	3
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	0	0	0	3	0	4
<b>TOTAL</b>	<b>21</b>	<b>0</b>	<b>249</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</b>	<b>256</b>	<b>0</b>	<b>642</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-39 Acres of Verified Change in Placer County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	1	0	0	1
SDVC	0	0	3	0	0	0	352	0	0	355
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	95	0	95
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	3	0	0	0	353	95	0	451
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	1	0	0	0	0	0	0	1
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	0	0	0	0	0	1
<b>Ponderosa Pine</b>										
LDVC	0	0	3	0	0	0	0	0	0	3
MDVC	0	0	41	0	0	0	0	0	0	41
SDVC	25	0	29	0	0	0	0	0	0	54
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	5	0	0	0	0	0	0	19	0	24
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	30	0	73	0	0	0	0	19	0	122
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	71	0	0	0	0	0	0	71
SDVC	0	0	113	0	0	11	0	0	0	124
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	30	0	0	0	0	0	0	694	0	724
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	30	0	184	0	0	11	0	694	0	919
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	390	0	0	0	0	3	0	393
MDVC	0	0	1,492	0	0	4	0	0	0	1,496
SDVC	8	0	1207	20	0	36	210	0	0	1,356
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	456	0	61	0	0	0	0	4,934	0	5,451
MIVC	0	0	46	0	0	0	0	780	0	826
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	2	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	464	0	2,972	20	0	40	210	5,719	0	9,524
<b>Undetermined Conifer</b>										
LDVC	17	0	35	0	0	0	0	25	0	77
MDVC	5	0	107	0	0	0	0	97	0	209
SDVC	0	0	149	0	0	0	0	32	0	181
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	22	0	22
MIVC	0	0	1	0	0	0	0	5	0	6
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	22	0	292	0	0	0	0	181	0	495
<b>TOTAL</b>	<b>546</b>	<b>0</b>	<b>3,624</b>	<b>20</b>	<b>0</b>	<b>51</b>	<b>563</b>	<b>6,708</b>	<b>0</b>	<b>11,512</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Plumas County Monitoring Data Map

**See appendix F**

**Table C-40 Acres of Classified Change in Plumas County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	2	0	251	0	2	0	3	0	0	0	0	0	0	0	0	0
MDVC	45	0	1,174	0	651	1	148	0	0	0	16	0	9	0	6	0
SDVC	255	1	17,084	2	1,024	1	862	1	6	1	329	2	46	1	14	0
NCH	49,100	96	712,608	89	69,076	94	131,672	95	492	86	18,507	96	7,056	99	4,164	96
SIVC	1,498	3	66,521	8	2,744	4	5,863	4	63	11	397	2	16	0	115	3
MIVC	43	0	5,476	1	99	0	141	0	14	2	32	0	0	0	14	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	11	0	54	0	20	0	151	0	0	0	0	0	0	0	4	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	50,955	100	803,168	100	73,617	100	138,840	100	574	100	19,280	100	7,126	100	4,317	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	1	0	171	0	66	0	3	0	4	0	422	0	68	0	5	0
MDVC	19	0	600	0	137	0	99	0	65	0	1,789	0	797	1	253	0
SDVC	266	2	12,845	5	278	1	643	1	526	1	30,257	3	1,348	1	1,519	1
NCH	12,131	92	227,721	88	35,174	94	45,598	89	61,722	95	958,836	89	111,306	94	181,434	93
SIVC	793	6	17,271	7	1,694	5	4,568	9	2,354	4	84,189	8	4,454	4	10,547	5
MIVC	20	0	667	0	54	0	241	0	77	0	6,175	1	154	0	397	0
LIVC	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
NVG	6	0	34	0	66	0	96	0	17	0	88	0	86	0	251	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	13,236	100	259,309	100	37,470	100	51,249	100	64,765	100	1,081,758	100	118,213	100	194,406	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow



**Table C-41 Acres of Classified Change in Plumas County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	21	100	21	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	21	100	21	100
<b>Blue Oak/Foothill Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	4	100	4	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	4	100	4	100
<b>Montane Hardwood</b>								
LDVC	2	0	0	0	1	0	4	0
MDVC	45	0	0	0	16	0	60	0
SDVC	241	1	6	1	248	2	495	1
NCH	46,352	97	395	91	11,395	93	58,141	96
SIVC	879	2	31	7	590	5	1,500	2
MIVC	26	0	0	0	14	0	40	0
LIVC	0	0	0	0	0	0	0	0
NVG	7	0	0	0	6	0	13	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	47,552	100	431	100	12,269	100	60,252	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	2	0	0	0	0	0	2	0
NCH	428	70	53	55	61	87	542	70
SIVC	174	29	29	31	9	13	212	27
MIVC	5	1	13	14	0	0	18	2
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	609	100	95	100	70	100	774	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	1	0	0	0	4	0	4	0
SDVC	11	0	0	0	18	2	29	1
NCH	2,320	83	44	93	650	75	3,015	81
SIVC	445	16	3	7	194	22	642	17
MIVC	12	0	0	0	7	1	19	1
LIVC	0	0	0	0	0	0	0	0
NVG	4	0	0	0	0	0	4	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,794	100	48	100	872	100	3,713	100
<b>TOTAL</b>	<b>50,955</b>		<b>574</b>		<b>13,236</b>		<b>64,765</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-42 Acres of Classified Change in Plumas County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Douglas Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	16	22	0	0	2	82	18	23
SIVC	25	33	0	0	0	18	26	33
MIVC	35	45	0	0	0	0	35	44
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	77	100	0	0	2	100	79	100
<b>Eastside Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	12	100	6	90	84	99	103	99
SIVC	0	0	1	10	1	1	1	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	12	100	7	100	85	100	104	100
<b>Jeffrey Pine</b>								
LDVC	6	0	0	0	19	0	25	0
MDVC	311	0	9	1	117	0	437	0
SDVC	1,942	2	34	3	906	3	2,882	2
NCH	98,982	83	1,117	92	22,653	87	122,752	84
SIVC	16,991	14	50	4	2,259	9	19,300	13
MIVC	1,261	1	0	0	84	0	1,345	1
LIVC	0	0	0	0	1	0	1	0
NVG	23	0	0	0	0	0	23	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	119,516	100	1,210	100	26,038	100	146,764	100
<b>Lodgepole Pine</b>								
LDVC	2	0	0	0	3	0	5	0
MDVC	3	0	0	0	8	0	11	0
SDVC	168	7	0	0	203	6	371	6
NCH	2,217	86	311	95	2,547	81	5,075	84
SIVC	176	7	17	5	350	11	543	9
MIVC	5	0	0	0	28	1	33	1
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,571	100	328	100	3,138	100	6,037	100
<b>Pinyon-Juniper</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	7	1	0	0	0	0	7	1
NCH	1,007	94	0	0	1	100	1,007	94
SIVC	59	6	0	0	0	0	59	6
MIVC	1	0	0	0	0	0	1	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,074	100	0	0	1	100	1,074	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-42 Acres of Classified Change in Plumas County by Conifer Cover Type and Owner Class (continued)**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Ponderosa Pine</b>								
LDVC	2	0	0	0	0	0	2	0
MDVC	25	0	0	0	25	0	49	0
SDVC	556	1	9	2	541	4	1,107	2
NCH	46,154	95	368	95	11,282	89	57,804	94
SIVC	1,784	4	9	2	789	6	2,582	4
MIVC	51	0	0	0	31	0	81	0
LIVC	0	0	0	0	0	0	0	0
NVG	5	0	0	0	8	0	13	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	48,577	100	387	100	12,676	100	61,640	100
<b>Red Fir</b>								
LDVC	26	0	0	0	0	0	26	0
MDVC	83	0	0	0	4	0	87	0
SDVC	922	2	28	1	111	8	1,061	2
NCH	51,714	90	4,486	97	1,233	84	57,433	90
SIVC	4,387	8	83	2	122	8	4,592	7
MIVC	229	0	27	1	3	0	259	0
LIVC	0	0	0	0	0	0	0	0
NVG	4	0	0	0	0	0	5	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	57,365	100	4,624	100	1,474	100	63,462	100
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	2	6	0	0	2	6
NCH	0	0	25	81	0	0	25	81
SIVC	0	0	4	13	0	0	4	13
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	31	100	0	0	31	100
<b>Sierran Mixed Conifer</b>								
LDVC	215	0	0	0	145	0	361	0
MDVC	712	0	7	0	445	0	1,164	0
SDVC	12,840	2	245	2	10,892	5	23,977	3
NCH	496,110	89	11,421	96	182,047	88	689,578	89
SIVC	42,413	8	184	2	12,305	6	54,902	7
MIVC	3,877	1	5	0	518	0	4,401	1
LIVC	0	0	0	0	0	0	0	0
NVG	22	0	0	0	26	0	48	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	556,189	100	11,862	100	206,379	100	774,430	100
<b>White Fir</b>								
LDVC	0	0	0	0	4	0	4	0
MDVC	40	0	0	0	0	0	40	0
SDVC	650	4	10	1	192	2	852	3
NCH	16,395	92	773	93	7,857	83	25,025	89
SIVC	685	4	49	6	1,445	15	2,179	8
MIVC	18	0	0	0	4	0	22	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	17,788	100	832	100	9,502	100	28,122	100
<b>TOTAL</b>	<b>803,168</b>		<b>19,280</b>		<b>259,309</b>		<b>1,081,758</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-43 Acres of Verified Change in Plumas County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Montane Hardwood</b>										
LDVC	0	0	2	0	0	0	0	0	0	2
MDVC	0	0	2	0	0	0	0	0	0	2
SDVC	9	0	82	0	0	0	0	0	0	91
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	23	0	3	0	0	0	0	205	0	231
MIVC	0	0	0	0	0	0	0	14	0	14
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	32	0	89	0	0	0	0	219	0	340
<b>Aspen</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1	0	0	0	0	0	0	62	0	63
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	0	0	0	0	62	0	63
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	10	0	0	0	0	0	0	10
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4	0	0	0	0	0	0	42	0	46
MIVC	0	0	0	0	0	0	0	2	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	10	0	0	0	0	44	0	58
<b>TOTAL</b>	<b>37</b>	<b>0</b>	<b>99</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325</b>	<b>0</b>	<b>461</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-44 Acres of Verified Change in Plumas County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Douglas Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	25	0	0	0	0	0	0	0	0	25
MIVC	35	0	0	0	0	0	0	0	0	35
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	60	0	0	0	0	0	0	0	0	60
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	258	0	15	0	0	0	0	0	0	273
SDVC	286	0	538	0	0	0	0	0	0	824
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4,302	0	3	0	0	0	11	8,492	0	12,808
MIVC	543	0	0	0	0	0	7	637	0	1,187
LIVC	0	0	0	0	0	0	1	0	0	1
NVG	1	0	0	0	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	5,390	0	556	0	0	0	19	9,129	0	15,094
<b>Lodgepole Pine</b>										
LDVC	0	0	2	0	0	0	0	0	0	2
MDVC	0	0	3	0	0	0	0	0	0	3
SDVC	0	0	108	0	0	0	0	0	0	108
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	1	0	0	0	0	115	0	116
MIVC	0	0	0	0	0	0	0	10	0	10
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	114	0	0	0	0	125	0	239
<b>Pinyon-Juniper</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	7	0	0	0	0	0	0	0	0	7
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	58	0	0	0	0	0	0	1	0	59
MIVC	1	0	0	0	0	0	0	0	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	66	0	0	0	0	0	0	1	0	67

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-44 Acres of Verified Change in Plumas County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Ponderosa Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	16	0	0	0	0	0	0	16
SDVC	0	0	193	0	0	0	0	0	0	193
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	103	0	18	0	0	0	0	529	0	650
MIVC	7	0	0	0	0	0	0	27	0	34
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	110	0	227	0	0	0	0	556	0	893
<b>Red Fir</b>										
LDVC	0	0	14	0	0	0	0	0	0	14
MDVC	0	0	29	0	0	0	0	0	0	29
SDVC	0	0	185	0	0	0	0	0	0	185
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4	0	0	0	0	0	0	2,098	0	2,102
MIVC	0	0	0	0	0	0	0	182	0	182
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	228	0	0	0	0	2,280	0	2,512
<b>Sierran Mixed Conifer</b>										
LDVC	4	0	135	0	0	0	0	0	0	139
MDVC	17	0	545	0	0	0	0	0	0	562
SDVC	163	0	9,019	0	0	0	0	0	0	9,182
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3,121	0	139	0	0	0	0	24,322	0	27,582
MIVC	1,262	0	10	0	0	0	0	2,573	0	3,845
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	1	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4,567	0	9,848	0	0	0	0	26,896	0	41,311
<b>White Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	36	0	0	0	0	0	0	36
SDVC	0	0	269	0	0	0	0	0	0	269
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	12	0	0	0	0	366	0	378
MIVC	0	0	0	0	0	0	0	17	0	17
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	317	0	0	0	0	383	0	700
<b>TOTAL</b>	10,197	0	11,290	0	0	0	19	39,371	0	60,877

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Shasta County Monitoring Data Map

**See appendix F**

**Table C-45 Acres of Classified Change in Shasta County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	1,340	1	0	0	0	0	0	0	148	0	0	0	0	0
MDVC	83	1	1,479	1	0	0	154	0	9	0	68	0	0	0	31	0
SDVC	37	0	7,914	4	1	0	182	0	79	1	1,914	3	3	0	35	0
NCH	9,210	97	183,461	91	9,647	99	61,031	97	7,601	96	72,644	96	13,738	100	33,063	97
SIVC	127	1	6,619	3	59	1	1,188	2	234	3	777	1	28	0	797	2
MIVC	4	0	148	0	0	0	117	0	19	0	95	0	0	0	22	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	1	0	0	0	24	0	1	0	0	0	0	0	290	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	9,462	100	200,961	100	9,707	100	62,696	100	7,943	100	75,644	100	13,770	100	34,238	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	20,194	6	0	0	0	0	0	0	21,682	4	0	0	0	0
MDVC	2,069	1	9,269	3	98	1	1,063	1	2,161	1	10,815	2	98	0	1,248	1
SDVC	9,290	3	27,933	8	358	3	1,358	2	9,406	3	37,761	6	361	1	1,575	1
NCH	270,188	95	257,860	77	12,270	94	66,682	84	287,000	95	513,965	84	35,655	98	160,776	91
SIVC	2,736	1	19,501	6	303	2	7,809	10	3,097	1	26,897	4	391	1	9,793	6
MIVC	106	0	429	0	8	0	1,351	2	129	0	672	0	8	0	1,490	1
LIVC	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
NVG	46	0	25	0	17	0	684	1	47	0	26	0	17	0	998	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	284,436	100	335,212	100	13,053	100	78,947	100	301,840	100	611,818	100	36,530	100	175,881	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow



**Table C-46 Acres of Classified Change in Shasta County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	3	0	408	0	411	0
SDVC	4	11	24	1	4,891	2	4,919	2
NCH	32	89	2,751	98	158,688	97	161,472	97
SIVC	0	0	26	1	1,219	1	1,245	1
MIVC	0	0	1	0	34	0	35	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	17	0	17	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	36	100	2,805	100	165,256	100	168,098	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	660	0	660	0
SDVC	0	0	15	0	2,494	3	2,510	3
NCH	92	94	964	100	65,278	95	66,334	95
SIVC	6	6	8	0	475	2	489	2
MIVC	0	0	0	0	31	0	31	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	1	0	10	0	11	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	98	100	987	100	68,949	100	70,035	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	83	1	6	0	1,002	2	1,091	2
SDVC	33	0	40	1	1,905	4	1,977	3
NCH	9,068	97	3,765	96	46,207	92	59,039	93
SIVC	120	1	119	3	1,040	2	1,278	2
MIVC	4	0	1	0	40	0	45	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	19	0	19	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	9,308	100	3,931	100	50,212	100	63,450	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	18	95	101	50	16	87	136	57
SIVC	1	5	81	41	2	13	85	36
MIVC	0	0	18	9	0	0	18	7
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	19	100	200	100	19	100	238	100
<b>TOTAL</b>	<b>9,462</b>		<b>7,943</b>		<b>284,436</b>		<b>301,840</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-47 Acres of Classified Change in Shasta County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Juniper</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	2	0	0	0	1	0	3	0
SDVC	37	1	21	0	7	1	65	1
NCH	4,742	96	6,072	100	1,257	98	12,072	98
SIVC	153	3	0	0	6	1	160	1
MIVC	1	0	4	0	6	0	11	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	4,935	100	6,098	100	1,277	100	12,310	100
<b>Douglas Fir</b>								
LDVC	2	3	0	0	97	9	99	8
MDVC	0	0	0	0	18	2	18	1
SDVC	0	0	0	0	34	3	34	3
NCH	58	96	83	99	920	81	1,061	83
SIVC	1	1	1	1	70	6	71	6
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	60	100	84	100	1,139	100	1,283	100
<b>Eastside Pine</b>								
LDVC	3	0	0	0	17	0	20	0
MDVC	65	0	0	0	24	0	89	0
SDVC	1,335	4	67	1	888	8	2,290	4
NCH	33,072	93	5,924	98	10,030	89	49,026	93
SIVC	1,145	3	63	1	179	2	1,387	3
MIVC	46	0	1	0	84	1	131	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	35,666	100	6,054	100	11,224	100	52,944	100
<b>Lodgepole Pine</b>								
LDVC	2	0	0	0	0	0	2	0
MDVC	0	0	0	0	0	0	0	0
SDVC	134	5	25	2	24	1	183	3
NCH	2,725	92	1,542	96	2,120	94	6,387	94
SIVC	84	3	30	2	105	5	219	3
MIVC	10	0	5	0	1	0	16	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,955	100	1,602	100	2,250	100	6,808	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-47 Acres of Classified Change in Shasta County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Montane Hardwood-Conifer</b>								
LDVC	0	0	0	0	16	1	16	1
MDVC	0	0	0	0	2	0	2	0
SDVC	6	0	0	0	65	5	71	3
NCH	1,204	98	111	97	1,176	91	2,491	95
SIVC	13	1	4	3	35	3	52	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,223	100	115	100	1,294	100	2,632	100
<b>Ponderosa Pine</b>								
LDVC	3	0	0	0	1,493	3	1,496	3
MDVC	10	0	23	2	1,995	4	2,028	3
SDVC	52	2	48	4	4,147	7	4,248	7
NCH	2,817	97	1,073	90	45,561	82	49,450	83
SIVC	19	1	45	4	2,272	4	2,335	4
MIVC	0	0	0	0	49	0	49	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,900	100	1,189	100	55,516	100	59,605	100
<b>Red Fir</b>								
LDVC	0	0	0	0	0	1	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	148	2	445	2	0	0	594	2
NCH	7,420	98	22,299	97	27	99	29,746	97
SIVC	22	0	148	1	0	0	170	1
MIVC	1	0	22	0	0	0	23	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	7,591	100	22,914	100	28	100	30,533	100
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	133	6	0	0	133	5
NCH	471	100	1,966	92	19	100	2,457	93
SIVC	0	0	8	0	0	0	8	0
MIVC	0	0	36	2	0	0	36	1
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	471	100	2,143	100	19	100	2,634	100
<b>Sierran Mixed Conifer</b>								
LDVC	1,283	1	148	0	18,555	7	19,986	5
MDVC	1,391	1	38	0	7,215	3	8,644	2
SDVC	5,158	4	1,074	3	22,643	9	28,874	7
NCH	113,936	90	30,051	95	192,407	75	336,394	81
SIVC	4,852	4	435	1	16,697	6	21,984	5
MIVC	88	0	25	0	281	0	395	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	126,708	100	31,770	100	257,798	100	416,277	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-47 Acres of Classified Change in Shasta County by Conifer Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>White Fir</b>								
LDVC	47	0	0	0	16	1	63	0
MDVC	11	0	6	0	4	0	22	0
SDVC	1,043	6	101	3	93	3	1,238	5
NCH	16,935	92	3,440	96	2,894	94	23,270	93
SIVC	330	2	40	1	63	2	433	2
MIVC	1	0	1	0	0	0	2	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>18,368</b>	<b>100</b>	<b>3,588</b>	<b>100</b>	<b>3,071</b>	<b>100</b>	<b>25,027</b>	<b>100</b>
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	10	1	10	1
SDVC	0	0	0	0	32	2	32	2
NCH	81	98	82	96	1,448	91	1,611	91
SIVC	0	0	3	4	74	5	77	4
MIVC	0	0	0	0	8	0	8	0
LIVC	0	0	0	0	0	0	0	0
NVG	1	2	0	0	25	2	26	1
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>83</b>	<b>100</b>	<b>86</b>	<b>100</b>	<b>1,596</b>	<b>100</b>	<b>1,764</b>	<b>100</b>
<b>TOTAL</b>	<b>200,961</b>		<b>75,644</b>		<b>335,212</b>		<b>611,818</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-48 Acres of Verified Change in Shasta County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	39	0	32	75	0	0	33	0	27	206
SDVC	873	126	529	492	0	0	195	4	16	2,235
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	96	0	0	10	0	0	8	93	7	214
MIVC	2	0	0	2	0	0	1	2	0	7
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1,010	126	561	579	0	0	237	99	50	2,662
<b>Blue Oak/Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	435	90	0	0	33	0	0	558
SDVC	0	0	1,196	420	0	0	91	0	0	1,707
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	6	0	0	21	2	0	29
MIVC	0	0	0	0	0	0	9	1	0	10
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	2	1	0	0	0	0	0	3
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1,633	517	0	0	154	3	0	2,307
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	861	0	67	45	0	0	23	0	14	1,010
SDVC	460	9	270	274	0	0	111	2	4	1,130
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	186	0	48	2	0	0	5	280	8	529
MIVC	13	0	0	1	0	0	0	13	0	27
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	1	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1,520	9	385	323	0	0	139	295	26	2,697
<b>TOTAL</b>	<b>2,530</b>	<b>135</b>	<b>2,579</b>	<b>1,419</b>	<b>0</b>	<b>0</b>	<b>530</b>	<b>397</b>	<b>76</b>	<b>7,666</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-49 Acres of Verified Change in Shasta County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Douglas Fir</b>										
LDVC	100	0	0	0	0	0	0	0	0	100
MDVC	17	0	0	0	0	0	0	0	0	17
SDVC	21	0	8	0	0	0	0	0	0	29
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	25	0	0	0	0	29	0	54
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	138	0	33	0	0	0	0	29	0	200
<b>Eastside Pine</b>										
LDVC	0	0	14	0	0	0	0	0	0	14
MDVC	0	0	69	0	0	0	0	0	0	69
SDVC	304	0	775	0	0	0	0	0	0	1,079
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1,058	0	12	0	0	0	0	49	0	1,119
MIVC	20	0	0	0	0	0	0	23	0	43
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1,382	0	870	0	0	0	0	72	0	2,324
<b>Juniper</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	1	0	0	0	0	0	0	0	0	1
SDVC	5	0	0	0	0	0	0	0	0	5
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	146	0	0	0	0	0	0	0	0	146
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	152	0	0	0	0	0	0	0	0	152
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	34	0	24	0	0	0	0	0	0	58
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3	0	6	0	0	0	0	26	0	35
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	37	0	30	0	0	0	0	26	0	93
<b>Montane Hardwood-Conifer</b>										
LDVC	16	0	0	0	0	0	0	0	0	16
MDVC	2	0	0	0	0	0	0	0	0	2
SDVC	25	0	13	0	0	0	0	0	0	52
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	5	0	7	0	0	0	0	1	0	13
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	48	0	20	0	0	0	0	1	0	83

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-49 Acres of Verified Change in Shasta County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Ponderosa Pine</b>										
LDVC	1,464	0	26	0	0	0	0	0	0	1,490
MDVC	1,918	0	53	6	0	0	4	0	0	1,981
SDVC	2,035	0	885	159	84	0	57	2	0	3,222
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	141	0	310	0	0	0	4	349	1	805
MIVC	11	0	5	0	0	0	0	3	0	19
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	5,569	0	1,279	165	84	0	65	354	1	7,517
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	20	0	27	0	0	0	0	0	0	47
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4	0	0	0	0	0	0	4	0	8
MIVC	1	0	0	0	0	0	0	0	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	25	0	27	0	0	0	0	4	0	56
<b>Sierran Mixed Conifer</b>										
LDVC	18,432	0	1,399	75	0	0	0	0	0	19,906
MDVC	7,619	0	535	342	0	0	0	0	0	8,496
SDVC	6,038	0	13,159	2,384	0	0	0	5	0	21,586
NCH	1	0	1	0	0	0	0	0	0	2
SIVC	2,051	0	2,952	0	0	0	0	6,497	0	11,500
MIVC	180	0	23	0	0	0	0	75	0	278
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	34,321	0	18,069	2,801	0	0	0	6,577	0	61,768
<b>White Fir</b>										
LDVC	0	0	63	0	0	0	0	0	0	63
MDVC	0	0	12	0	0	0	0	0	0	12
SDVC	0	0	394	0	0	0	0	0	0	394
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3	0	52	0	0	0	0	82	0	137
MIVC	0	0	0	0	0	0	0	1	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	3	0	521	0	0	0	0	83	0	607
<b>Undetermined Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	1	2	0	0	0	0	0	3
SDVC	0	0	1	5	0	0	2	0	0	8
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	2	0	0	2	3	0	7
MIVC	0	0	0	1	0	0	0	1	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	2	3	0	0	0	0	0	5
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	4	13	0	0	4	4	0	25
<b>TOTAL</b>	<b>41,675</b>	<b>0</b>	<b>20,853</b>	<b>2,993</b>	<b>84</b>	<b>0</b>	<b>69</b>	<b>7,150</b>	<b>1</b>	<b>72,825</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Sierra County Monitoring Data Map

**See appendix F**



**Table C-50 Acres of Classified Change in Sierra County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	10	0	58	0	13	0	347	0	0	0	0	0	0	0	0	0
MDVC	24	0	5,913	2	228	1	1,174	2	0	0	27	1	6	0	4	0
SDVC	440	2	27,615	10	1,979	9	4,526	6	0	0	548	21	204	4	44	3
NCH	27,921	97	236,576	83	18,376	88	64,302	89	0	0	2,000	77	4,881	96	1,235	96
SIVC	181	1	13,777	5	269	1	2,016	3	0	0	15	1	0	0	0	0
MIVC	4	0	1,228	0	0	0	42	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	252	1	34	0	30	0	174	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	28,830	100	285,201	100	20,896	100	72,581	100	0	0	2,589	100	5,091	100	1,283	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	8	0	1	0	26	0	10	0	66	0	14	0	374	0
MDVC	31	0	686	1	16	0	88	0	55	0	6,626	2	251	0	1,266	1
SDVC	217	2	7,619	9	569	2	601	2	657	2	35,781	10	2,752	5	5,171	5
NCH	9,199	95	70,885	87	30,262	97	25,569	92	37,120	96	309,461	84	53,519	94	91,105	90
SIVC	113	1	2,222	3	260	1	1,283	5	294	1	16,013	4	529	1	3,300	3
MIVC	30	0	47	0	0	0	9	0	33	0	1,275	0	0	0	51	0
LIVC	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0
NVG	143	1	33	0	9	0	137	0	395	1	67	0	40	0	311	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	9,733	100	81,499	100	31,120	100	27,714	100	38,563	100	369,289	100	57,107	100	101,578	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-51 Acres of Classified Change in Sierra County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Montane Hardwood</b>								
LDVC	10	0	0	0	0	0	10	0
MDVC	23	0	0	0	31	0	54	0
SDVC	420	2	0	0	216	2	636	2
NCH	25,717	97	0	0	8,756	94	34,473	96
SIVC	126	0	0	0	111	1	236	1
MIVC	4	0	0	0	30	0	33	0
LIVC	0	0	0	0	0	0	0	0
NVG	246	1	0	0	137	1	384	1
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	26,545	100	0	0	9,281	100	35,826	100
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	15	11	0	0	0	0	15	9
NCH	117	89	0	0	35	100	152	91
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	132	100	0	0	35	100	167	100
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	1	0	0	0	0	0	1	0
SDVC	5	0	0	0	1	0	6	0
NCH	2,089	97	0	0	408	98	2,497	97
SIVC	54	3	0	0	2	1	57	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	5	0	0	0	6	1	11	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,155	100	0	0	417	100	2,572	100
<b>TOTAL</b>	<b>28,832</b>		<b>0</b>		<b>9,733</b>		<b>38,565</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-52 Acres of Classified Change in Sierra County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Eastside Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	143	23	143	19
SDVC	0	0	0	0	114	19	114	16
NCH	118	98	0	0	355	58	473	65
SIVC	3	2	0	0	0	0	3	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	121	100	0	0	611	100	732	100
<b>Jeffrey Pine</b>								
LDVC	3	0	0	0	0	0	3	0
MDVC	817	2	20	2	401	2	1,238	2
SDVC	6,407	14	332	26	4,169	22	10,908	17
NCH	35,455	78	898	71	13,594	73	49,947	77
SIVC	2,600	6	14	1	390	2	3,005	5
MIVC	0	0	0	0	7	0	7	0
LIVC	0	0	0	0	0	0	0	0
NVG	4	0	0	0	1	0	5	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	45,287	100	1,265	100	18,562	100	65,113	100
<b>Lodgepole Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	22	2	0	0	6	0	28	1
SDVC	83	6	0	0	70	3	153	4
NCH	1,320	92	0	0	2,321	96	3,641	95
SIVC	9	1	0	0	8	0	17	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,434	100	0	0	2,405	100	3,839	100
<b>Montane Hardwood-Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	14	16	0	0	4	12	18	15
NCH	73	84	0	0	30	88	103	85
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	87	100	0	0	34	100	121	100
<b>Pinyon-Juniper</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	298	100	235	100	533	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	298	100	235	100	533	100
<b>Ponderosa Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	10	0	0	0	0	0	10	0
SDVC	64	3	0	0	17	7	82	3
NCH	1,845	86	0	100	225	88	2,070	86
SIVC	175	8	0	0	12	5	187	8
MIVC	51	2	0	0	0	0	52	2
LIVC	0	0	0	0	0	0	0	0
NVG	2	0	0	0	0	0	2	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2,147	100	0	100	255	100	2,402	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-52 Acres of Classified Change in Sierra County by Conifer Cover Type and Owner Class (continued)**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Red Fir</b>								
LDVC	1	0	0	0	0	0	1	0
MDVC	464	1	0	0	37	0	501	1
SDVC	1,646	3	0	7	446	1	2,092	2
NCH	58,713	92	6	93	28,566	95	87,285	93
SIVC	2,743	4	0	0	1,108	4	3,851	4
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	13	0	0	0	26	0	39	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>63,579</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>30,184</b>	<b>100</b>	<b>93,769</b>	<b>100</b>
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	1	0	0	0	0	0	1	0
SDVC	3	1	0	0	6	2	9	1
NCH	441	98	0	0	320	96	761	97
SIVC	4	1	0	0	8	2	12	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>450</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>333</b>	<b>100</b>	<b>783</b>	<b>100</b>
<b>Red Fir</b>								
LDVC	1	0	0	0	0	0	1	0
MDVC	464	1	0	0	37	0	501	1
SDVC	1,646	3	0	7	446	1	2,092	2
NCH	58,713	92	6	93	28,566	95	87,285	93
SIVC	2,743	4	0	0	1,108	4	3,851	4
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	13	0	0	0	26	0	39	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>63,579</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>30,184</b>	<b>100</b>	<b>93,769</b>	<b>100</b>
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	1	0	0	0	0	0	1	0
SDVC	3	1	0	0	6	2	9	1
NCH	441	98	0	0	320	96	761	97
SIVC	4	1	0	0	8	2	12	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>450</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>333</b>	<b>100</b>	<b>783</b>	<b>100</b>
<b>Sierran Mixed Conifer</b>								
LDVC	55	0	0	0	8	0	63	0
MDVC	4,599	3	7	1	99	0	4,705	2
SDVC	19,398	11	216	21	2,792	10	22,406	11
NCH	138,607	81	797	78	25,240	87	164,645	82
SIVC	8,242	5	0	0	695	2	8,937	4
MIVC	1,177	1	0	0	40	0	1,217	1
LIVC	0	0	0	0	0	0	0	0
NVG	15	0	0	0	5	0	20	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>172,094</b>	<b>100</b>	<b>1,019</b>	<b>100</b>	<b>28,880</b>	<b>100</b>	<b>201,993</b>	<b>100</b>
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	4	100	0	0	0	0	4	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>4</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>100</b>
<b>TOTAL</b>	<b>285,201</b>		<b>2,588</b>		<b>81,499</b>		<b>369,289</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-53 Acres of Verified Change in Sierra County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	7	0	0	0	0	0	0	7
SDVC	2	0	43	0	0	0	0	0	0	45
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	39	0	4	0	0	0	0	85	0	128
MIVC	0	0	0	0	0	0	0	4	0	4
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	1	0	0	0	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	42	0	54	0	0	0	0	89	0	185
<b>Aspen</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	15	0	0	0	0	0	0	0	0	15
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	15	0	0	0	0	0	0	0	0	15
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	1	0	0	0	0	0	0	1
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	4
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	0	0	0	0	0	5
<b>TOTAL</b>	<b>57</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>93</b>	<b>0</b>	<b>205</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-54 Acres of Verified Change in Sierra County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Eastside Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	143	0	0	0	0	0	0	0	0	143
SDVC	100	0	0	0	0	0	0	0	0	100
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	3	3
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	243	0	0	0	0	0	0	0	3	246
<b>Jeffrey Pine</b>										
LDVC	2	0	0	0	0	0	0	0	0	02
MDVC	1,201	0	0	0	0	0	0	0	0	1,201
SDVC	8,248	0	319	0	0	0	0	0	0	8,567
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	69	0	0	0	0	0	0	1,970	0	2,039
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	2	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	9,520	0	319	0	0	0	0	1,972	0	11,811
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	5	5
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	5	5
<b>Ponderosa Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	4	0	0	0	0	0	0	4
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3	0	0	0	0	0	0	162	0	165
MIVC	0	0	0	0	0	0	0	51	0	51
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	3	0	4	0	0	0	0	213	0	220

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-54 Acres of Verified Change in Sierra County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	162	0	0	0	0	0	0	162
SDVC	0	0	408	0	0	0	0	0	0	408
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	2,313	0	2,313
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	570	0	0	0	0	2,313	0	2,883
<b>Sierran Mixed Conifer</b>										
LDVC	26	0	27	0	0	0	0	0	0	53
MDVC	4,445	0	59	0	0	0	0	0	0	4,504
SDVC	13,763	0	1,100	0	0	0	0	0	0	14,863
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3,250	0	4	0	0	0	0	4,411	0	7,665
MIVC	936	0	0	0	0	0	0	244	0	1,180
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	2	0	0	0	0	0	0	0	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	22,422	0	1,190	0	0	0	0	4,655	0	28,267
<b>TOTAL</b>	<b>32,188</b>	<b>0</b>	<b>2,083</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,163</b>	<b>0</b>	<b>43,434</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Sutter County Monitoring Data Map

**See appendix F**



**Table C-55 Acres of Classified Change in Sutter County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	0	0	0	0	0	0	98	17	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	81	15	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	381	68	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	560	100	0	0	0	0	0	0

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	81	0	0	0	0	0	0	0	179	1	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDVC	74	0	0	0	1	0	0	0	155	1	0	0	1	0	0	0
NCH	23,548	98	287	100	474	100	0	0	23,929	98	287	100	474	100	0	0
SIVC	132	1	0	0	0	0	0	0	132	1	0	0	0	0	0	0
MIVC	79	0	0	0	0	0	0	0	79	0	0	0	0	0	0	0
LIVC	9	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
NVG	12	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	23,936	100	287	100	475	100	0	0	24,496	100	287	100	475	100	0	0

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-56 Acres of Classified Change in Sutter County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>	0	0	0	0	0	0	0	0
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	647	100	647	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	1	0	1	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	648	100	648	100
<b>Blue Oak / Foothill Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	177	100	177	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	177	100	177	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	2	0	2	0
NCH	0	0	0	0	1,339	100	1,339	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1,341	100	1,341	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	30	0	30	0
NCH	0	0	0	0	18,752	99	18,752	99
SIVC	0	0	0	0	41	0	41	0
MIVC	0	0	0	0	22	0	22	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	6	0	6	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	18,852	100	18,852	100
<b>Valley Foothill Riparian</b>								
LDVC	0	0	98	17	81	3	179	5
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	81	15	42	1	124	4
NCH	0	0	381	68	2,628	90	3,008	87
SIVC	0	0	0	0	91	3	91	3
MIVC	0	0	0	0	57	2	57	2
LIVC	0	0	0	0	9	0	9	0
NVG	0	0	0	0	6	0	6	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	560	100	2,913	100	3,473	100
<b>TOTAL</b>	0	0	560	100	23,931	100	24,491	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-57 Acres of Classified Change in Sutter County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	287	100	287	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	287	100	287	100
<b>TOTAL</b>	0	0	0	0	287	0	287	0

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Tehama County Monitoring Data Map

**See appendix F**

**Table C-58 Acres of Classified Change in Tehama County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	737	2	405	0	0	0	53	0	22	0	0	0	0	0	0	0
SDVC	1,959	5	1,714	2	6	2	959	2	400	1	55	1	21	0	21	0
NCH	32,513	87	95,160	92	390	98	35,066	87	41,041	97	4,114	90	11,812	92	25,987	96
SIVC	2,138	6	5,484	5	0	0	4,150	10	883	2	377	8	956	7	956	4
MIVC	15	0	133	0	0	0	60	0	39	0	27	1	43	0	43	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	3	0	4	0	0	0	6	0	11	0	1	0	2	0	2	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>37,366</b>	<b>100</b>	<b>102,969</b>	<b>100</b>	<b>397</b>	<b>100</b>	<b>40,294</b>	<b>100</b>	<b>42,396</b>	<b>100</b>	<b>4,573</b>	<b>100</b>	<b>12,835</b>	<b>100</b>	<b>27,010</b>	<b>100</b>

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	1	0	704	0	0	0	0	0	1	0	773	0	0	0	0	0
MDVC	737	0	912	1	18	0	82	0	1,496	0	1,317	1	18	0	135	0
SDVC	6,779	2	9,592	6	203	1	288	1	9,138	2	11,361	4	230	1	1,268	1
NCH	416,688	97	121,032	81	25,468	98	47,140	85	490,243	96	220,305	86	37,670	96	108,193	88
SIVC	6,028	1	16,644	11	173	1	7,042	13	9,049	2	22,504	9	1,130	3	12,148	10
MIVC	291	0	99	0	4	0	633	1	345	0	259	0	47	0	736	1
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	48	0	13	0	20	0	45	0	62	0	18	0	22	0	53	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>430,573</b>	<b>100</b>	<b>148,996</b>	<b>100</b>	<b>25,885</b>	<b>100</b>	<b>55,229</b>	<b>100</b>	<b>510,334</b>	<b>100</b>	<b>256,538</b>	<b>100</b>	<b>39,117</b>	<b>100</b>	<b>122,533</b>	<b>100</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-59 Acres of Classified Change in Tehama County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	135	1	3	0	101	0	239	0
SDVC	682	3	236	1	3,511	1	4,428	1
NCH	19,226	91	29,819	97	245,114	97	294,158	97
SIVC	1,139	5	610	2	3,838	2	5,586	2
MIVC	4	0	3	0	76	0	83	0
LIVC	0	0	0	0		0		0
NVG	2	0	8	0	26	0	36	0
CLD/SHA	0	0	0	0		0		0
TOTAL	21,186	100	30,678	100	252,665	100	304,531	100
<b>Blue Oak/Foothill Pine</b>								
LDVC	0	0	0	0	1	0	1	0
MDVC	0	0	0	0	141	0	141	0
SDVC	0	0	12	0	1,794	1	1,806	1
NCH	2	100	3,178	99	118,783	98	121,964	98
SIVC	0	0	11	0	242	0	253	0
MIVC	0	0	0	0	5	0	5	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	8	0	8	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	2	100	3,201	100	120,974	100	124,177	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	602	4	11	0	275	1	888	1
SDVC	1,277	8	120	2	870	2	2,268	3
NCH	13,173	82	7,206	96	44,058	94	64,436	91
SIVC	941	6	185	2	1,736	4	2,861	4
MIVC	9	0	6	0	26	0	41	0
LIVC	0	0	0	0	0	0	0	0
NVG	1	0	3	0	15	0	19	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	16,003	100	7,530	100	46,980	100	70,513	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	45	2	45	2
SDVC	0	0	0	0	107	5	107	5
NCH	0	0	0	0	1,907	89	1,907	89
SIVC	0	0	0	0	8	0	8	0
MIVC	0	0	0	0	67	3	67	3
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2,132	100	2,132	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-59 Acres of Classified Change in Tehama County by Hardwood Cover Type and Owner Class** (continued)

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Aspen</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	33	56	51	51	2	100	86	54
SIVC	23	40	32	32	0	0	55	35
MIVC	2	4	17	17	0	0	19	12
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>59</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>160</b>	<b>100</b>
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	8	1	174	2	183	2
SDVC	0	0	32	4	498	6	530	6
NCH	0	0	784	91	6,803	87	7,587	88
SIVC	0	0	33	4	185	2	217	3
MIVC	0	0	9	1	117	2	126	1
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>866</b>	<b>100</b>	<b>7,777</b>	<b>100</b>	<b>8,643</b>	<b>100</b>
<b>Montane Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	80	69	2	11	22	52	105	58
SIVC	35	31	14	65	20	47	69	39
MIVC	0	0	5	23	0	0	5	3
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>115</b>	<b>100</b>	<b>21</b>	<b>100</b>	<b>43</b>	<b>100</b>	<b>179</b>	<b>100</b>
<b>TOTAL</b>	<b>37,366</b>		<b>42,395</b>		<b>430,573</b>		<b>510,334</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-60 Acres of Classified Change in Tehama County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owner	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Closed-Cone Pine-Cypress</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	8	88	0	0	0	0	8	88
SIVC	1	12	0	0	0	0	1	12
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	9	100	0	0	0	0	9	100
<b>Douglas Fir</b>								
LDVC	0	0	0	0	3	0	3	0
MDVC	6	0	0	0	0	0	6	0
SDVC	18	2	0	0	113	9	130	6
NCH	1,095	97	3	100	1,037	86	2,135	92
SIVC	9	1	0	0	49	4	58	2
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	1,128	100	3	100	1,202	100	2,333	100
<b>Lodgepole Pine</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	40	2	40	2
NCH	141	75	0	0	1,388	81	1,529	80
SIVC	42	23	0	0	286	17	328	17
MIVC	3	2	0	0	4	0	7	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	187	100	0	0	1,718	100	1,905	100
<b>Montane Hardwood-Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	131	22	10	14	451	24	592	23
NCH	398	67	54	81	1,334	71	1,785	70
SIVC	62	10	3	5	82	4	147	6
MIVC	5	1	0	0	4	0	8	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	596	100	66	100	1,870	100	2,533	100
<b>Ponderosa Pine</b>								
LDVC	14	0	0	0	306	1	319	1
MDVC	242	2	0	0	318	2	560	2
SDVC	447	4	10	1	789	4	1,246	4
NCH	10,043	84	607	88	17,837	86	28,487	85
SIVC	1,169	10	75	11	1,468	7	2,713	8
MIVC	24	0	0	0	5	0	29	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	11,939	100	692	100	20,723	100	33,355	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



**Table C-60 Acres of Classified Change in Tehama County by Conifer Cover Type and Owner Class (continued)**

	National Forest		Other Public		Private		All Owner	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Red Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	157	3	21	1	0	0	179	3
NCH	4,326	93	1,565	93	26	87	5,917	93
SIVC	173	4	83	5	4	13	260	4
MIVC	2	0	10	1	0	0	12	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>4,658</b>	<b>100</b>	<b>1,679</b>	<b>100</b>	<b>30</b>	<b>100</b>	<b>6,367</b>	<b>100</b>
<b>Subalpine Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	6	3	0	0	6	3
NCH	13	98	178	97	0	0	191	97
SIVC	0	2	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>13</b>	<b>100</b>	<b>185</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>198</b>	<b>100</b>
<b>Sierran Mixed Conifer</b>								
LDVC	56	0	0	0	394	0	449	0
MDVC	155	0	0	0	581	1	736	0
SDVC	873	1	5	0	8,090	7	8,969	5
NCH	69,436	94	1,343	86	91,991	80	162,770	85
SIVC	3,498	5	195	13	14,548	13	18,242	10
MIVC	97	0	17	1	70	0	183	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>74,114</b>	<b>100</b>	<b>1,559</b>	<b>100</b>	<b>115,674</b>	<b>100</b>	<b>191,348</b>	<b>100</b>
<b>White Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	2	0	0	0	10	0	12	0
SDVC	85	1	0	0	80	1	165	1
NCH	9,424	94	114	86	5,803	96	15,340	95
SIVC	529	5	18	14	143	2	691	4
MIVC	2	0	0	0	0	0	2	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>10,042</b>	<b>100</b>	<b>133</b>	<b>100</b>	<b>6,036</b>	<b>100</b>	<b>16,210</b>	<b>100</b>
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	2	0	2	0
MDVC	0	0	0	0	3	0	3	0
SDVC	2	1	3	1	28	2	34	1
NCH	275	98	251	98	1,616	93	2,143	94
SIVC	0	0	2	1	64	4	65	3
MIVC	0	0	0	0	17	1	17	1
LIVC	0	0	0	0	0	0	0	0
NVG	4	1	1	0	13	1	18	1
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>282</b>	<b>100</b>	<b>257</b>	<b>100</b>	<b>1,743</b>	<b>100</b>	<b>2,281</b>	<b>100</b>
<b>TOTAL</b>	<b>102,969</b>		<b>4,574</b>		<b>148,996</b>		<b>256,539</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-61 Acres of Verified Change in Tehama County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0		0	0	0
MDVC	130	0	0	0	0	0	2	0	0	132
SDVC	1,167	0	0	3	0	0	68	0	0	1,238
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3,593	0	0	0	0	0	0	0	0	3,593
MIVC	20	0	0	0	0	0	0	0	0	20
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4,910	0	0	3	0	0	70	0	0	4,983
<b>Blue Oak/Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	2	22	0	0	43	0	0	67
SDVC	7	0	79	34	0	0	292	0	0	412
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	7	0	81	56	0	0	335	0	0	479
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	794	0	21	0	0	0	1	0	0	816
SDVC	1,378	0	45	1	0	0	9	0	0	1,433
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	2,019	0	18	0	0	0	0	0	0	2,068
MIVC	28	0	0	0	0	0	0	0	0	28
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4,219	0	84	1	0	0	10	0	0	4,345
<b>Valley Oak Woodland</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	2	0	0	0	0	0	0	2
SDVC	0	0	4	0	0	0	0	0	0	4
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	6	0	0	0	0	0	0	6
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	3
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	3
<b>TOTAL</b>	<b>9,136</b>	<b>0</b>	<b>171</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>415</b>	<b>0</b>	<b>0</b>	<b>9,816</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-62 Acres of Verified Change in Tehama County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Douglas Fir</b>	0									
LDVC	0	0	3	0	0	0	0	0	0	3
MDVC	3	0	2	0	0	0	0	0	0	5
SDVC	5	0	112	0	0	0	0	0	0	117
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	7	0	0	0	0	0	0	7
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	8	0	124	0	0	0	0	0	0	132
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	14	0	14
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	14	0	14
<b>Montane Hardwood-Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	576	0	0	0	0	0	0	0	0	576
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	129	0	0	0	0	0	0	0	0	129
MIVC	9	0	0	0	0	0	0	0	0	9
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	714	0	0	0	0	0	0	0	0	714
<b>Ponderosa Pine</b>										
LDVC	315	0	1	0	0	0	0	0	0	316
MDVC	554	0	0	0	0	0	0	0	0	554
SDVC	591	0	146	64	0	0	1	0	0	802
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1,195	0	33	5	0	0	0	489	0	1,722
MIVC	25	0	0	0	0	0	0	4	0	29
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2,680	0	180	69	0	0	1	493	0	3,423

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-62 Acres of Verified Change in Tehama County by Cause and Conifer Cover Type**  
(continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	40	0	0	0	0	0	0	40
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	117	0	117
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	40	0	0	0	0	117	0	157
<b>Sierran Mixed Conifer</b>										
LDVC	311	0	97	0	0	0	0	0	0	408
MDVC	280	0	399	5	0	0	0	0	0	684
SDVC	456	0	5,470	703	0	0	1	0	0	6,630
NCH		0	2	0	0	0	0	0	0	2
SIVC	1,556	0	730	335	0	0	0	4,171	0	6,792
MIVC	44	0	3	0	0	0	0	91	0	138
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2,647	0	6,701	1,043	0	0	1	4,262	0	14,654
<b>White Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	47	0	0	0	0	0	0	47
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	400	0	400
MIVC	0	0	0	0	0	0	0	2	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	47	0	0	0	0	402	0	449
<b>TOTAL</b>	6,049	0	7,092	1,112	0	0	2	5,288	0	19,543

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## Yolo County Monitoring Data Map

**See appendix F**

**Table C-63 Acres of Classified Change in Yolo County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	4	0	1	0	7	0	0	0
NCH	0	0	0	0	0	0	0	0	5,360	92	263	87	13,197	91	0	0
SIVC	0	0	0	0	0	0	0	0	463	8	1	0	1,284	9	0	0
MIVC	0	0	0	0	0	0	0	0	16	0	38	12	6	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	5,844	100	303	100	14,494	100	0	0

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
MDVC	3	0	1	6	1	0	0	0	4	0	1	0	1	0	0	0
SDVC	109	0	0	3	50	0	0	0	113	0	1	0	56	0	0	0
NCH	56,863	94	11	91	24,250	87	0	0	62,223	93	274	87	37,447	88	0	0
SIVC	3,330	5	0	0	3,479	12	0	0	3,793	6	1	0	4,763	11	0	0
MIVC	401	1	0	0	31	0	0	0	417	1	38	12	37	0	0	0
LIVC	29	0	0	0	2	0	0	0	29	0	0	0	2	0	0	0
NVG	42	0	0	0	36	0	0	0	42	0	0	0	37	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	60,778	100	12	100	27,848	100	0	0	66,622	100	315	100	42,342	100	0	0

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-64 Acres of Classified Change in Yolo County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>	0	0	0		0		0	
LDVC	0	0	0	0	1	0	1	0
MDVC	0	0	0	0	2	0	2	0
SDVC	0	0	0	0	63	0	63	0
NCH	0	0	2,074	93	47,030	94	49,104	93
SIVC	0	0	154	7	2,841	6	2,995	6
MIVC	0	0	13	1	314	1	328	1
LIVC	0	0	0	0	2	0	2	0
NVG	0	0	0	0	24	0	24	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	2,241	100	50,277	100	52,518	100
<b>Montane Hardwood</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	1	0	1	0	2	0
SDVC	0	0	4	0	27	1	30	1
NCH	0	0	3,143	95	8,506	94	11,649	94
SIVC	0	0	172	5	460	5	632	5
MIVC	0	0	2	0	3	0	5	0
LIVC	0	0	0	0	10	0	10	0
NVG	0	0	0	0	5	0	5	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	3,322	100	9,012	100	12,334	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	76	49	76	49
SIVC	0	0	0	0	13	8	13	8
MIVC	0	0	0	0	50	32	50	32
LIVC	0	0	0	0	17	11	17	11
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	156	100	156	100
<b>Coastal Oak Woodland</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	5	0	5	0
NCH	0	0	144	98	1,238	98	1,382	98
SIVC	0	0	3	2	17	1	20	1
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	147	100	1,261	100	1,407	100
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	14	19	14	7
NCH	0	0	0	0	10	14	10	5
SIVC	0	0	134	100	0	0	134	65
MIVC	0	0	0	0	34	48	34	17
LIVC	0	0	0	0	0	1	0	0
NVG	0	0	0	0	13	18	13	6
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	134	100	71	100	205	100
<b>TOTAL</b>	0		5,844		60,776		66,620	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-65 Acres of Classified Change in Yolo County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Sierran Mixed Conifer</b>	0	0						
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	38	100	0	0	38	100
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	0	0	38	100	0	0	38	100
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	1	6	1	0
SDVC	0	0	1	0	0	3	1	0
NCH	0	0	263	99	11	91	274	99
SIVC	0	0	1	0	0	0	1	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	0	0	266	100	12	100	278	100
<b>TOTAL</b>	0	0	303		12		315	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



## Yuba County Monitoring Data Map

**See appendix F**

**Table C-66 Acres of Classified Change in Yuba County by Lifeform and Owner Class**

	National Forest								Other Public							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	2	0	111	0	0	0	0	0	4	0	6	1	0	0	0	0
MDVC	3	0	380	1	0	0	7	0	7	0	79	10	1	0	0	0
SDVC	35	1	575	2	0	0	113	3	52	1	56	7	8	1	0	1
NCH	4,496	97	30,103	90	2	100	3,652	90	9,912	97	672	82	1,199	93	51	82
SIVC	81	2	1,751	5	0	0	280	7	157	2	7	1	74	6	10	16
MIVC	18	0	364	1	0	0	17	0	27	0	2	0	8	1	1	1
LIVC	0	0	0	0	0	0	0	0	14	0	1	0	2	0	0	0
NVG	0	0	5	0	0	0	4	0	1	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	4,634	100	33,289	100	2	100	4,074	100	10,175	100	823	100	1,292	100	62	100

	Private								All Owners							
	Hardwood		Conifer		Shrub		Chaparral		Hardwood		Conifer		Shrub		Chaparral	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
LDVC	178	0	385	1	8	0	6	0	184	0	502	1	9	0	6	0
MDVC	137	0	1,495	4	17	0	199	2	146	0	1,954	3	17	0	206	2
SDVC	1,078	1	2,294	6	163	1	699	8	1,165	1	2,924	4	170	1	812	6
NCH	101,486	96	30,826	85	11,106	93	6,935	82	115,894	96	61,601	88	12,307	93	10,637	84
SIVC	2,129	2	729	2	537	5	591	7	2,367	2	2,486	4	611	5	881	7
MIVC	324	0	322	1	35	0	36	0	368	0	688	1	42	0	54	0
LIVC	140	0	107	0	28	0	0	0	154	0	109	0	30	0	0	0
NVG	31	0	2	0	9	0	19	0	32	0	7	0	10	0	23	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	105,502	100	36,159	100	11,902	100	8,484	100	120,311	100	70,272	100	13,197	100	12,620	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table C-67 Acres of Classified Change in Yuba County by Hardwood Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>	0	0	0	0	0	0	0	0
LDVC	0	0	1	0	9	0	9	0
MDVC	0	0	0	0	5	0	6	0
SDVC	0	0	16	1	112	1	129	1
NCH	0	0	1,346	98	8,977	97	10,323	97
SIVC	0	0	6	0	66	1	73	1
MIVC	0	0	7	1	48	1	55	1
LIVC	0	0	2	0	12	0	14	0
NVG	0	0	1	0	6	0	7	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	1,379	100	9,236	100	10,615	100
<b>Blue Oak/Foothill Pine</b>	0	0	0	0	0	0	0	0
LDVC	0	0	0	0	6	0	6	0
MDVC	0	0	0	0	11	0	11	0
SDVC	0	0	8	0	99	2	107	1
NCH	0	0	2,579	97	4,335	94	6,914	95
SIVC	0	0	82	3	114	2	195	3
MIVC	0	0	2	0	24	1	26	0
LIVC	0	0	1	0	1	0	2	0
NVG	0	0	0	0	8	0	8	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	2,672	100	4,597	100	7,269	100
<b>Montane Hardwood</b>								
LDVC	2	0	3	0	161	0	166	0
MDVC	3	0	5	0	121	0	128	0
SDVC	35	1	28	0	836	1	899	1
NCH	4,496	97	5,988	98	84,549	96	95,032	96
SIVC	81	2	69	1	1,917	2	2,066	2
MIVC	18	0	18	0	228	0	264	0
LIVC	0	0	11	0	127	0	137	0
NVG	0	0	0	0	16	0	16	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	4,634	100	6,121	100	87,954	100	98,709	100
<b>Valley Oak Woodland</b>								
LDVC	0	0	0	0	2	1	2	1
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	275	99	275	99
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	278	100	278	100
<b>Valley Foothill Riparian</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	2	77	0	0	2	0
SDVC	0	0	0	8	31	1	31	1
NCH	0	0	0	0	3,350	97	3,350	97
SIVC	0	0	0	15	32	1	33	1
MIVC	0	0	0	0	23	1	23	1
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	1	0	1	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	3	100	3,438	100	3,440	100
<b>TOTAL</b>	4,634		10,175		105,502		120,311	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-68 Acres of Classified Change in Yuba County by Conifer Cover Type and Owner Class**

	National Forest		Other Public		Private		All Owners	
	Acres	%	Acres	%	Acres	%	Acres	%
<b>Douglas Fir</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	0	0	2	100	2	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2	100	2	100
<b>Montane Hardwood-Conifer</b>								
LDVC	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0
NCH	0	0	128	100	0	0	128	100
SIVC	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	0	0	128	100	0	0	128	100
<b>Ponderosa Pine</b>								
LDVC	30	0	6	2	112	1	148	1
MDVC	119	1	68	23	731	6	918	4
SDVC	179	2	25	8	778	7	982	4
NCH	10,123	95	191	64	10,214	86	20,527	90
SIVC	148	1	6	2	101	1	255	1
MIVC	41	0	2	1	6	0	49	0
LIVC	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	10,638	100	299	100	11,942	100	22,879	100
<b>Sierran Mixed Conifer</b>								
LDVC	81	0	0	0	235	1	315	1
MDVC	261	1	10	39	630	4	900	2
SDVC	396	2	12	48	1,154	7	1,562	4
NCH	19,974	88	3	13	13,710	82	33,688	86
SIVC	1,603	7	0	0	619	4	2,222	6
MIVC	323	1	0	0	281	2	604	2
LIVC	0	0	0	0	0	0	0	0
NVG	5	0	0	0	0	0	5	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	22,643	100	24	100	16,629	100	39,297	100
<b>Undetermined Conifer</b>								
LDVC	0	0	0	0	38	1	38	0
MDVC	1	15	1	0	134	2	136	2
SDVC	0	0	19	5	361	5	381	5
NCH	6	82	350	94	6,900	91	7,257	91
SIVC	0	0	0	0	9	0	9	0
MIVC	0	0	0	0	35	0	35	0
LIVC	0	0	1	0	107	1	108	1
NVG	0	3	0	0	1	0	2	0
CLD/SHA	0	0	0	0	0	0	0	0
TOTAL	8	100	372	100	7,585	100	7,965	100
<b>TOTAL</b>	<b>33,289</b>		<b>823</b>		<b>36,159</b>		<b>70,272</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-69 Acres of Verified Change in Yuba County by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	2	2
MIVC	0	0	0	0	0	0	0	0	13	13
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	15	0	15
<b>Blue Oak/Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	6	6
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	6	6
<b>Montane Hardwood</b>										
LDVC	0	0	77	0	0	0	0	0	0	77
MDVC	0	0	50	0	0	0	2	0	0	52
SDVC	1	0	98	0	0	0	41	0	0	140
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	33	0	0	0	0	0	0	73	0	106
MIVC	0	0	0	0	0	0	0	49	0	49
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	34	0	225	0	0	0	43	122	0	424
<b>TOTAL</b>	<b>34</b>	<b>0</b>	<b>225</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>143</b>	<b>0</b>	<b>445</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table C-70 Acres of Verified Change in Yuba County by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Ponderosa Pine</b>										
LDVC	0	0	89	0	0	0	0	0	0	89
MDVC	0	0	627	0	0	0	0	0	0	627
SDVC	0	0	399	0	0	0	0	0	0	399
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	5	0	0	0	0	139	0	144
MIVC	0	0	0	0	0	0	0	42	0	42
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1,120	0	0	0	0	181	0	1,301
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	212	0	0	0	0	0	0	212
MDVC	0	0	581	0	0	0	0	0	0	581
SDVC	2	0	689	0	0	0	0	0	0	691
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	14	0	0	0	0	0	0	1,654	0	1,668
MIVC	0	0	0	0	0	0	0	562	0	562
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	16	0	1,482	0	0	0	0	2,216	0	3,714
<b>Undetermined Conifer</b>										
LDVC	0	0	13	0	0	0	0	0	0	13
MDVC	0	0	15	0	0	0	0	0	0	15
SDVC	0	0	44	0	0	0	1	0	0	45
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	1	0	1
MIVC	0	0	0	0	0	0	0	2	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	72	0	0	0	1	3	0	76
<b>TOTAL</b>	16	0	2,674	0	0	0	1	2,400	0	5,091

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## **NATIONAL FOREST TABLES**

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## EIDorado National Forest Monitoring Data Map

**See appendix F**



## LTBMU County Monitoring Data Map

**See appendix F**

## Lassen National Forest Monitoring Data Map

**See appendix F**

## Modoc National Forest Monitoring Data Map

**See appendix F**

## Plumas National Forest County Monitoring Data Map

**See appendix F**

## Tahoe National Forest Monitoring Data Map

**See appendix F**

**Table F-1 Acres of Classified Change by Lifeform and National Forest**

	Eldorado		Lake Tahoe Basin Management Unit		Lassen		Modoc		Plumas		Tahoe		All Forests	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
<b>Hardwood</b>														
LDVC	0	0	0	0	0	0	0	0	30	0	92	0	122	0
MDVC	12	0	2	0	818	2	0	0	95	0	76	0	1,003	1
SDVC	122	1	28	4	1,929	5	64	1	447	1	741	1	3,332	2
NCH	9,890	98	496	71	35,006	87	4,282	82	76,249	97	62,785	98	188,707	95
SIVC	22	0	170	24	2,625	6	574	11	1,749	2	312	0	5,452	3
MIVC	2	0	0	0	32	0	301	6	95	0	63	0	492	0
LIVC	0	0	0	0	0	0	29	1	0	0	0	0	29	0
NVG	3	0	0	0	2	0	1	0	32	0	279	0	318	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>10,052</b>	<b>100</b>	<b>696</b>	<b>100</b>	<b>40,412</b>	<b>100</b>	<b>5,251</b>	<b>100</b>	<b>78,698</b>	<b>100</b>	<b>64,347</b>	<b>100</b>	<b>199,454</b>	<b>100</b>
<b>Conifer</b>														
LDVC	43	0	0	0	2,238	0	1,052	0	694	0	377	0	4,404	0
MDVC	7,255	2	85	0	4,049	1	5,081	1	1,537	0	7,384	1	25,390	1
SDVC	11,033	2	297	0	38,106	5	15,043	2	14,265	2	28,652	5	107,396	3
NCH	435,746	92	71,110	98	717,205	90	814,244	96	692,419	89	454,495	87	3,185,220	91
SIVC	15,846	3	1,015	1	29,549	4	8,591	1	65,341	8	26,543	5	146,884	4
MIVC	162	0	4	0	1,418	0	669	0	6,667	1	2,974	1	11,894	0
LIVC	0	0	0	0	0	0	1	0	0	0	0	0	1	0
NVG	990	0	69	0	7	0	79	0	84	0	702	0	1,931	0
CLD/SHA	658	0	0	0	0	0	0	0	0	0	0	0	658	0
<b>TOTAL</b>	<b>471,734</b>	<b>100</b>	<b>72,579</b>	<b>100</b>	<b>792,573</b>	<b>100</b>	<b>844,760</b>	<b>100</b>	<b>781,007</b>	<b>100</b>	<b>521,127</b>	<b>100</b>	<b>3,483,779</b>	<b>100</b>
<b>Shrub</b>														
LDVC	0	0	0	0	0	0	33	0	2	0	13	0	48	0
MDVC	0	0	0	0	8	0	81	0	674	1	230	1	993	0
SDVC	2	0	27	1	21	0	2,258	0	1,159	2	2,004	7	5,470	1
NCH	1,411	67	3,094	91	59,375	97	661,241	98	71,832	94	26,899	90	823,853	97
SIVC	511	24	242	7	956	2	9,315	1	2,698	4	716	2	14,437	2
MIVC	0	0	0	0	230	0	514	0	104	0	6	0	854	0
LIVC	0	0	0	0	0	0	4	0	0	0	0	0	5	0
NVG	168	8	48	1	478	1	1,399	0	20	0	79	0	2,192	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,092</b>	<b>100</b>	<b>3,411</b>	<b>100</b>	<b>61,067</b>	<b>100</b>	<b>674,847</b>	<b>100</b>	<b>76,489</b>	<b>100</b>	<b>29,946</b>	<b>100</b>	<b>847,852</b>	<b>100</b>
<b>Chaparral</b>														
LDVC	29	0	0	0	0	0	3	0	3	0	186	0	221	0
MDVC	43	0	10	0	279	0	21	0	186	0	808	1	1,347	0
SDVC	318	1	134	1	1,325	1	310	1	1,000	1	4,105	3	7,191	1
NCH	21,731	95	16,423	91	112,134	94	50,513	94	140,521	95	124,097	91	465,419	93
SIVC	599	3	1,343	7	5,683	5	2,831	5	6,138	4	5,461	4	22,054	4
MIVC	1	0	0	0	181	0	28	0	195	0	60	0	466	0
LIVC	0	0	0	0	0	0	0	0	1	0	0	0	1	0
NVG	54	0	49	0	87	0	56	0	189	0	1,672	1	2,108	0
CLD/SHA	109	0	0	0	0	0	0	0	0	0	0	0	109	0
<b>TOTAL</b>	<b>22,884</b>	<b>100</b>	<b>17,960</b>	<b>100</b>	<b>119,688</b>	<b>100</b>	<b>53,762</b>	<b>100</b>	<b>148,233</b>	<b>100</b>	<b>136,390</b>	<b>100</b>	<b>498,916</b>	<b>100</b>
<b>TOTAL</b>	<b>506,760</b>		<b>94,646</b>		<b>1,013,740</b>		<b>1,578,619</b>		<b>1,084,427</b>		<b>751,809</b>		<b>5,030,001</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow

**Table F-2 Acres of Classified Change by Hardwood Cover Type and National Forest**

	Eldorado		Lake Tahoe Basin Management Unit		Lassen		Modoc		Plumas		Tahoe		All Forests	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
<b>Blue Oak Woodland</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	125	1	0	0	0	0	0	0	126	1
SDVC	5	6	0	0	635	3	0	0	0	0	0	0	639	3
NCH	76	93	0	0	16,900	90	0	0	0	0	41	94	17,017	90
SIVC	1	1	0	0	1,144	6	0	0	0	0	2	4	1,146	6
MIVC	0	0	0	0	4	0	0	0	0	0	0	0	4	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	1	2	1	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>81</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>18,808</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>100</b>	<b>18,933</b>	<b>100</b>
<b>Blue Oak/Foothill Pine</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	4	0	0	0	0	0	0	0	0	0	0	0	0
NCH	4	82	0	0	4	86	0	0	0	0	0	0	0	2
SIVC	1	14	0	0	1	14	0	0	0	0	0	0	8	84
MIVC	0	0	0	0	0	0	0	0	0	0	0	0	1	14
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Montane Hardwood</b>													<b>10</b>	<b>100</b>
LDVC	0	0	0	0	0	0	0	0	30	0	92	0		
MDVC	12	0	0	0	692	3	0	0	95	0	73	0		
SDVC	116	1	0	0	1,288	6	0	0	436	1	717	1	122	0
NCH	9,551	98	0	0	17,206	84	44	99	73,683	97	59,220	98	872	1
SIVC	15	0	0	0	1,157	6	0	1	1,285	2	257	0	2,557	2
MIVC	2	0	0	0	17	0	0	0	76	0	63	0	159,703	96
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	2,714	2
NVG	3	0	0	0	2	0	0	0	28	0	266	0	157	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>9,699</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>20,362</b>	<b>100</b>	<b>44</b>	<b>100</b>	<b>75,633</b>	<b>100</b>	<b>60,687</b>	<b>100</b>	<b>299</b>	<b>0</b>
<b>Aspen</b>													<b>0</b>	<b>0</b>
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	166,425	100
MDVC	0	0	2	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	28	4	4	1	61	1	3	1	15	11		
NCH	0	0	496	71	502	71	3,834	81	228	73	117	89	0	0
SIVC	0	0	170	24	191	27	528	11	73	23	0	0	2	0
MIVC	0	0	0	0	9	1	281	6	9	3	0	0	110	2
LIVC	0	0	0	0	0	0	28	1	0	0	0	0	5,177	79
NVG	0	0	0	0	0	0	1	0	0	0	0	0	962	15
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	299	5
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>696</b>	<b>100</b>	<b>705</b>	<b>100</b>	<b>4,733</b>	<b>100</b>	<b>313</b>	<b>100</b>	<b>132</b>	<b>100</b>	<b>28</b>	<b>0</b>
<b>Montane Riparian</b>													<b>1</b>	<b>0</b>
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	1	0	0	0	0	0	3	0	6,579	100
SDVC	1	0	0	0	3	1	4	1	8	0	9	0		
NCH	260	98	0	0	447	76	404	85	2,338	85	3,407	98		
SIVC	5	2	0	0	138	23	46	10	392	14	53	2	0	0
MIVC	0	0	0	0	2	0	19	4	10	0	0	0	3	0
LIVC	0	0	0	0	0	0	1	0	0	0	0	0	25	0
NVG	0	0	0	0	0	0	0	0	4	0	13	0	6,855	91
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	634	8
<b>TOTAL</b>	<b>266</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>592</b>	<b>100</b>	<b>473</b>	<b>100</b>	<b>2,752</b>	<b>100</b>	<b>3,484</b>	<b>100</b>	<b>32</b>	<b>0</b>
<b>TOTAL</b>	<b>10,052</b>		<b>696</b>		<b>40,412</b>		<b>5,251</b>		<b>78,698</b>		<b>64,347</b>		<b>1</b>	<b>0</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-3 Acres of Classified Change by Conifer Cover Type and National Forest**

	Eldorado		Lake Tahoe Basin Management Unit		Lassen		Modoc		Plumas		Tahoe		All Forests	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
<b>Juniper</b>														
LDVC	0	0	0	0	0	0	4	0	0	0	0	0	4	0
MDVC	0	0	0	0	0	0	316	0	0	0	0	0	316	0
SDVC	0	0	0	0	88	1	881	0	0	0	0	0	969	0
NCH	0	0	0	0	6,996	96	279,051	99	0	0	0	0	286,047	99
SIVC	0	0	0	0	189	3	542	0	0	0	0	0	731	0
MIVC	0	0	0	0	1	0	169	0	0	0	0	0	170	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	25	0	0	0	0	0	25	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	7,273	100	280,988	100	0	0	0	0	288,261	100
<b>Closed-Cone Pine-Cypress</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	8	88	0	0	0	0	118	100	126	99
SIVC	0	0	0	0	1	12	0	0	0	0	0	0	1	1
MIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	9	100	0	0	0	0	118	100	127	100
<b>Douglas Fir</b>														
LDVC	0	0	0	0	2	0	0	0	0	0	0	0	2	0
MDVC	0	0	0	0	6	0	0	0	0	0	0	0	6	0
SDVC	0	0	0	0	18	1	0	0	0	0	0	0	18	1
NCH	0	0	0	0	1,187	97	0	0	3	5	0	0	1,190	93
SIVC	0	0	0	0	10	1	0	0	25	40	0	0	35	3
MIVC	0	0	0	0	0	0	0	0	35	55	0	0	35	3
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1,223	100	0	0	63	100	0	0	1,285	100
<b>Eastside Pine</b>														
LDVC	0	0	0	0	29	0	156	0	0	0	0	0	185	0
MDVC	0	0	0	0	284	0	1,396	0	0	0	0	0	1,680	0
SDVC	0	0	0	0	9,344	5	6,004	2	3	12	2	3	15,352	3
NCH	0	0	0	0	179,530	93	318,767	96	19	88	47	97	498,364	95
SIVC	0	0	0	0	4,257	2	6,411	2	0	0	0	0	10,669	2
MIVC	0	0	0	0	268	0	349	0	0	0	0	0	617	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	12	0	0	0	0	0	12	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	193,712	100	333,096	100	22	100	49	100	526,879	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



**Table F-3 Acres of Classified Change by Conifer Cover Type and National Forest**  
(continued)

	Eldorado		Lake Tahoe Basin Management Unit		Lassen		Modoc		Plumas		Tahoe		All Forests	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
<b>Jeffrey Pine</b>														
LDVC	0	0	0	0	0	0	0	0	6	0	2	0	9	0
MDVC	1	0	7	0	0	0	0	0	315	0	475	1	799	0
SDVC	8	1	56	1	0	0	0	0	2,181	2	4,057	8	6,301	3
NCH	1,015	98	5,120	97	0	0	0	0	103,115	81	40,900	82	150,150	82
SIVC	15	1	102	2	0	0	0	0	19,113	15	4,155	8	23,384	13
MIVC	0	0	0	0	0	0	0	0	1,795	1	114	0	1,909	1
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	11	0	0	0	0	0	23	0	6	0	40	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,039	100	5,296	100	0	0	0	0	126,548	100	49,710	100	182,593	100
<b>Lodgepole Pine</b>														
LDVC	0	0	0	0	6	0	0	0	0	0	0	0	6	0
MDVC	0	0	0	0	4	0	22	0	0	4	29	1	55	0
SDVC	0	0	0	0	752	3	8	0	0	0	140	3	900	2
NCH	1	100	0	0	22,990	93	16,805	99	5	88	4,582	95	44,383	95
SIVC	0	0	0	0	864	3	160	1	0	8	52	1	1,077	2
MIVC	0	0	0	0	170	1	21	0	0	0	0	0	191	0
LIVC	0	0	0	0	0	0	1	0	0	0	0	0	1	0
NVG	0	0	0	0	0	0	4	0	0	0	4	0	8	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	100	0	0	24,785	100	17,022	100	5	100	4,807	100	46,620	100
<b>Montane Hardwood-Conifer</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	8	2	8	1
SDVC	0	0	0	0	134	21	0	0	0	0	31	7	165	15
NCH	0	0	0	0	436	68	0	0	0	0	424	92	860	78
SIVC	0	0	0	0	62	10	0	0	0	0	0	0	62	6
MIVC	0	0	0	0	5	1	0	0	0	0	0	0	5	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	637	100	0	0	0	0	463	100	1,100	100
<b>Pinyon-Juniper</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	7	1	0	0	7	1
NCH	0	0	0	0	0	0	0	0	1,045	94	0	0	1,045	94
SIVC	0	0	0	0	0	0	0	0	60	5	0	0	60	5
MIVC	0	0	0	0	0	0	0	0	1	0	0	0	1	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	1,113	100	0	0	1,113	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-3 Acres of Classified Change by Conifer Cover Type and National Forest**  
(continued)

	Eldorado		Lake Tahoe Basin Management Unit		Lassen		Modoc		Plumas		Tahoe		All Forests	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
<b>Ponderosa Pine</b>														
LDVC	15	0	0	0	17	0	0	0	193	0	6	0	231	0
MDVC	892	1	0	0	284	2	0	0	296	0	79	1	1,551	1
SDVC	2,653	3	0	0	574	3	0	0	1,156	1	253	2	4,636	2
NCH	71,382	94	0	0	14,643	87	0	0	78,400	94	10,707	96	175,132	93
SIVC	1,171	2	0	0	1,327	8	0	0	2,828	3	89	1	5,414	3
MIVC	104	0	0	0	25	0	0	0	264	0	13	0	406	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	3	0	0	0	21	0	2	0	26	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	76,217	100	0	0	16,873	100	0	0	83,157	100	11,149	100	187,397	100
<b>Red Fir</b>														
LDVC	0	0	0	0	91	0	0	0	3	0	1	0	95	0
MDVC	223	0	5	0	165	0	53	0	77	0	690	1	1,212	0
SDVC	1,055	1	57	0	1,573	3	56	0	738	1	2,289	2	5,769	2
NCH	83,063	95	19,655	97	46,427	91	20,650	99	49,357	92	112,630	94	331,782	94
SIVC	2,202	3	542	3	2,651	5	49	0	3,640	7	3,863	3	12,947	4
MIVC	0	0	2	0	270	1	1	0	73	0	0	0	346	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	31	0	19	0	0	0	0	0	13	0	617	1	680	0
CLD/SHA	558	1	0	0	0	0	0	0	0	0	0	0	558	0
TOTAL	87,133	100	20,280	100	51,176	100	20,809	100	53,901	100	120,089	100	353,389	100
<b>Subalpine Conifer</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	7	0	0	0	0	0	0	0	0	0	6,22706	0	13	0
SDVC	263	1	6	0	8	1	3	0	0	0	14,90047	1	294	1
NCH	37,605	91	4,721	96	754	99	5,297	98	0	0	2018,902	96	50,396	93
SIVC	2,387	6	133	3	0	0	95	2	0	0	16,67963	1	2,632	5
MIVC	0	0	0	0	0	0	12	0	0	0	0	0	12	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	959	2	38	1	0	0	6	0	0	0	46,92535	2	1,051	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	41,220	100	4,899	100	762	100	5,414	100	0	0	2103,634	100	54,398	100
<b>Sierran Mixed Conifer</b>														
LDVC	28	0	0	0	1,995	0	702	1	492	0	367	0	3,584	0
MDVC	6,131	2	73	0	3,178	1	2,609	2	848	0	6,086	2	18,925	1
SDVC	7,019	3	178	0	23,575	5	6,820	5	10,123	2	21,849	7	69,565	4
NCH	241,796	91	41,613	99	395,859	89	127,701	92	459,152	89	282,557	85	1,548,676	89
SIVC	10,066	4	238	1	18,258	4	1,055	1	39,659	8	18,364	6	87,640	5
MIVC	58	0	1	0	650	0	103	0	4,499	1	2,845	1	8,156	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	4	0	14	0	27	0	27	0	72	0
CLD/SHA	100	0	0	0	0	0	0	0	0	0	0	0	100	0
TOTAL	265,198	100	42,103	100	443,519	100	139,004	100	514,800	100	332,094	100	1,736,719	100

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-3 Acres of Classified Change by Conifer Cover Type and National Forest**  
(continued)

	Eldorado		Lake Tahoe Basin Management Unit		Lassen		Modoc		Plumas		Tahoe		All Forests	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
<b>White Fir</b>														
LDVC	0	0	0	0	99	0	190	0	0	0	0	0	289	0
MDVC	0	0	0	0	128	0	685	1	0	0	0	0	813	1
SDVC	2	4	0	0	2,042	4	1,270	3	58	4	0	0	3,372	3
NCH	49	96	1	100	48,375	92	45,973	95	1,318	95	12	98	95,728	93
SIVC	0	0	0	0	1,929	4	278	1	15	1	0	2	2,223	2
MIVC	0	0	0	0	29	0	14	0	0	0	0	0	44	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	16	0	0	0	0	0	16	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>51</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>52,602</b>	<b>100</b>	<b>48,427</b>	<b>100</b>	<b>1,391</b>	<b>100</b>	<b>12</b>	<b>100</b>	<b>102,485</b>	<b>100</b>
<b>Undetermined Conifer</b>														
LDVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	1	18	11	2	12	1
SDVC	32	4	0	0	0	0	0	0	0	0	16	3	48	3
NCH	836	96	0	0	0	0	0	0	5	82	499	94	1,339	95
SIVC	6	1	0	0	0	0	0	0	0	0	3	1	9	1
MIVC	0	0	0	0	0	0	0	0	0	0	2	0	2	0
LIVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>874</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>100</b>	<b>531</b>	<b>100</b>	<b>1,412</b>	<b>100</b>
<b>TOTAL</b>	<b>471,733</b>		<b>72,579</b>		<b>792,573</b>		<b>844,760</b>		<b>781,007</b>		<b>521,127</b>		<b>3,483,779</b>	

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-4 Acres of Verified Change in the Eldorado National Forest by Cause and Hardwood Cover Type**

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
		Burn			Fuel Reduction					Verified
<b>Blue Oak/Foothill Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	1	0	0	0	1
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	0	0	0	1
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	5	0	1	0	0	0	0	0	0	6
SDVC	13	0	7	0	0	0	0	0	0	20
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	5	0	5
MIVC	0	0	0	0	0	0	0	2	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	18	0	8	0	0	0	0	7	0	33
<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>34</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-5 Acres of Verified Change in the Eldorado National Forest by Cause and Conifer Cover Type**

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
		Burn			Fuel Reduction					Verified
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	2	0	0	0	0	0	0	2
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	12	0	12
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	2	0	0	0	0	12	0	14
<b>Ponderosa Pine</b>										
LDVC	0	0	15	0	0	0	0	0	0	15
MDVC	485	0	228	0	0	0	1	0	0	714
SDVC	450	11	241	11	0	0	5	0	0	718
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	1	0	0	0	0	1,028	0	1,029
MIVC	0	0	0	0	0	0	0	95	0	95
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	935	11	485	11	0	0	6	1,123	0	2,571
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	184	0	0	0	0	0	0	184
SDVC	0	0	35	0	0	0	0	0	0	35
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	826	0	826
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	558	0	558
TOTAL	0	0	219	0	0	0	0	1,384	0	1,603
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	28	0	0	0	0	0	0	28
MDVC	5,067	0	895	0	0	0	0	3	0	5,965
SDVC	2,960	36	1,276	2	0	25	0	0	0	4,299
NCH	0	0	0	0	0	0	0	1	0	1
SIVC	251	0	5	0	0	0	0	8,750	0	9,006
MIVC	0	0	0	0	0	0	0	58	0	58
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	100	0	100
TOTAL	8,278	36	2,204	2	0	25	0	8,912	0	19,457
<b>Undetermined Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	15	0	0	0	0	0	0	15
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	1	0	0	0	0	1
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	15	0	1	0	0	0	0	16
<b>TOTAL</b>	<b>9,213</b>	<b>47</b>	<b>2,925</b>	<b>13</b>	<b>1</b>	<b>25</b>	<b>6</b>	<b>11,431</b>	<b>0</b>	<b>23,661</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-6 Acres of Verified Change in the Lake Tahoe Basin Management Unit by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	4	0	0	2	0	0	0	6
SDVC	0	0	23	0	0	33	0	0	0	56
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	27	0	0	35	0	0	0	62
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	2	0	0	0	0	0	0	2
SDVC	0	0	0	0	0	13	0	0	0	13
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	2	0	0	13	0	0	0	15
<b>Subalpine Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	2	0	0	0	2
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	2	0	0	0	2
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	65	0	0	6	0	0	0	71
SDVC	0	0	09	0	0	46	0	0	0	144
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	163	0	0	52	0	0	0	215
<b>TOTAL</b>	0	0	192	0	0	102	0	0	0	294

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-7 Acres of Verified Change in the Lassen National Forest by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Blue Oak Woodland</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	125	0	0	0	0	0	0	0	0	125
SDVC	578	0	0	0	0	0	0	0	0	578
NCH		0	0	0	0	0	0	0	0	0
SIVC	947	0	0	0	0	0	0	0	0	947
MIVC	4	0	0	0	0	0	0	0	0	4
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1,654	0	0	0	0	0	0	0	0	1,654
<b>Montane Hardwood</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	681	0	3	0	0	0	0	0	0	684
SDVC	1,205	6	10	0	0	0	0	0	0	1,221
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	802	0	3	0	0	0	8	47	0	860
MIVC	10	0	0	0	0	0	0	3	0	13
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2,698	6	16	0	0	0	0	0	0	2,778
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	2	0	0	0	0	0	0	2
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	16	0	16
MIVC	0	0	0	0	0	0	0	2	0	2
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	2	0	0	0	0	0	0	20
<b>TOTAL</b>	<b>4,352</b>	<b>6</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>68</b>	<b>0</b>	<b>4,452</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-8 Acres of Verified Change in the Lassen National Forest by Cause and Conifer Cover Type**

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
	Burn	Burn			Fuel Reduction					Verified
<b>Douglas Fir</b>										
LDVC	2	0	0	0	0	0	0	0	0	2
MDVC	3	0	2	0	0	0	0	0	0	5
SDVC	3	0	11	0	0	0	0	0	0	14
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	1	0	0	0	0	0	0	1
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	8	0	14	0	0	0	0	0	0	22
<b>Eastside Pine</b>										
LDVC	0	0	7	0	0	0	0	0	0	7
MDVC	88	0	139	0	0	0	0	0	0	227
SDVC	429	0	2,849	2,036	0	0	0	0	0	5,314
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	1,847	0	40	0	0	0	0	745	0	2,632
MIVC	141	0	10	0	0	0	0	37	0	188
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	2,505	0	3,045	2,036	0	0	0	782	0	8,368
<b>Juniper</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	4	0	1	0	0	0	0	0	0	5
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	146	0	0	0	0	0	0	0	0	146
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	150	0	1	0	0	0	0	0	0	151
<b>Lodgepole Pine</b>										
LDVC	0	0	4	0	0	0	0	0	0	4
MDVC	0	0	3	0	0	0	0	0	0	3
SDVC	34	0	177	15	0	0	0	0	0	226
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3	0	66	0	0	0	0	110	0	179
MIVC	0	0	10	0	0	0	0	1	0	11
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	37	0	260	15	0	0	0	111	0	423

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



**Table F-8 Acres of Verified Change in the Lassen National Forest by Cause and Conifer Cover Type** (continued)

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
		Burn			Fuel Reduction					Verified
<b>Montane Hardwood-Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	131	0	0	0	0	0	0	0	0	131
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	47	0	0	0	0	0	0	0	0	47
MIVC	5	0	0	0	0	0	0	0	0	5
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	183	0	0	0	0	0	0	0	0	183
<b>Ponderosa Pine</b>										
LDVC	17	0	0	0	0	0	0	0	0	17
MDVC	245	2	12	0	0	0	0	0	0	259
SDVC	339	0	25	0	0	0	9	0	0	373
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	596	0	16	0	0	0	2	186	0	800
MIVC	20	0	0	0	0	0	0	4	0	24
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1,217	2	53	0	0	0	11	190	0	1,473
<b>Red Fir</b>										
LDVC	0	0	70	0	0	0	0	0	0	70
MDVC	0	0	110	0	0	0	0	0	0	110
SDVC	20	0	728	0	0	0	0	0	0	748
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3	0	0	0	0	0	0	1,683	0	1,686
MIVC	0	0	1	0	0	0	0	236	0	237
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	23	0	909	0	0	0	0	1,919	0	2,851
<b>Sierran Mixed Conifer</b>										
LDVC	1,129	0	582	0	0	0	0	0	0	1,711
MDVC	1,322	0	1,389	13	0	0	0	0	0	2,724
SDVC	440	11	14,257	112	0	0	10	0	0	14,830
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	590	0	221	0	0	0	0	8,133	0	8,944
MIVC	1	0	5	0	0	0	0	491	0	497
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	3,482	11	16,454	125	0	0	10	8,624	0	28,706
<b>White Fir</b>										
LDVC	0	0	98	0	0	0	0	0	0	98
MDVC	0	0	119	0	0	0	0	0	0	119
SDVC	0	0	903	0	0	0	0	0	0	903
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	24	0	0	0	0	889	0	913
MIVC	0	0	0	0	0	0	0	21	0	21
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1,144	0	0	0	0	910	0	2,054
<b>TOTAL</b>	<b>7,605</b>	<b>13</b>	<b>21,880</b>	<b>2,176</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>12,536</b>	<b>0</b>	<b>44,231</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-9 Acres of Verified Change in the Modoc National Forest by Cause and Conifer Cover Type**

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
	Burn	Burn			Fuel Reduction					Verified
<b>Eastside Pine</b>										
LDVC	8	0	135	0	0	0	0	0	0	143
MDVC	171	0	817	14	0	25	0	5	0	1,032
SDVC	4	0	2,711	191	0	119	0	7	0	3,032
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	50	0	4	0	0	0	0	5,566	0	5,620
MIVC	45	0	0	0	0	0	0	233	0	278
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	278	0	3,667	205	0	144	0	5,811	0	10,105
<b>Juniper</b>										
LDVC	0	0	4	0	0	0	0	0	0	4
MDVC	0	0	4	0	0	0	0	0	0	4
SDVC	58	0	53	0	0	0	0	0	0	111
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	11	0	1	0	0	0	0	3	0	15
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	69	0	62	0	0	0	0	3	0	134
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	15	0	0	0	0	0	0	15
SDVC	0	0	3	0	0	0	0	0	0	3
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	1	0	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	19	0	0	0	0	0	0	19
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	42	0	42
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	42	0	42

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-9 Acres of Verified Change in the Modoc National Forest by Cause and Conifer Cover Type** (continued)

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Sierran Mixed Conifer</b>										
LDVC	0	0	585	0	0	3	0	0	0	588
MDVC	1	0	2,244	29	0	24	0	0	0	2,298
SDVC	16	0	4,621	204	0	375	0	0	0	5,216
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	42	0	1	0	0	0	0	783	0	826
MIVC	33	0	0	0	0	0	0	55	0	88
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	5	0	5
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	92	0	7,451	233	0	402	0	843	0	9,021
<b>White Fir</b>										
LDVC	0	0	175	0	0	0	0	0	0	175
MDVC	29	0	534	0	0	0	0	0	0	563
SDVC	14	0	804	0	0	37	0	0	0	855
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	17	0	5	0	0	0	0	104	0	126
MIVC	2	0	0	0	0	0	0	9	0	11
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	6	0	0	0	0	0	0	6
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	62	0	1,524	0	0	37	0	113	0	1,736
<b>TOTAL</b>	<b>501</b>	<b>0</b>	<b>12,723</b>	<b>438</b>	<b>0</b>	<b>583</b>	<b>0</b>	<b>6,812</b>	<b>0</b>	<b>21,057</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-10 Acres of Verified Change in the Plumas National Forest by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Montane Hardwood</b>										
LDVC	0	0	19	0	0	0	0	0	0	19
MDVC	0	0	12	0	0	0	0	0	0	12
SDVC	9	0	41	0	0	0	0	0	0	50
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4	0	4	0	0	0	0	340	0	348
MIVC	0	0	0	0	0	0	0	58	0	58
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	13	0	76	0	0	0	0	398	0	487
<b>Aspen</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	1	0	0	0	0	0	0	0	0	1
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	2	0	0	0	0	0	0	62	0	64
MIVC	9	0	0	0	0	0	0	0	0	9
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	12	0	0	0	0	0	0	62	0	74
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4	0	0	0	0	0	0	30	0	34
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	0	0	0	0	0	30	0	34
<b>TOTAL</b>	<b>29</b>	<b>0</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>490</b>	<b>0</b>	<b>595</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-11 Acres of Verified Change in the Plumas National Forest by Cause and Conifer Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Douglas Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	25	0	0	0	0	0	0	0	0	25
MIVC	35	0	0	0	0	0	0	0	0	35
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	60	0	0	0	0	0	0	0	0	60
<b>Jeffrey Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	198	0	2	0	0	0	0	0	0	200
SDVC	404	0	170	0	0	0	0	0	0	574
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	7,264	0	0	0	0	0	0	7,665	0	14,929
MIVC	1,161	0	0	0	0	0	0	514	0	1,675
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	1	0	0	0	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	9,028	0	172	0	0	0	0	0	0	17,379
<b>Pinyon-Juniper</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	7	0	0	0	0	0	0	0	0	7
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	59	0	0	0	0	0	0	1	0	60
MIVC	1	0	0	0	0	0	0	0	0	1
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	1	0	68
<b>Ponderosa Pine</b>										
LDVC	0	0	65	0	0	0	0	0	0	65
MDVC	0	0	150	0	0	0	0	0	0	150
SDVC	0	0	147	0	0	0	13	0	0	160
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	93	0	7	0	0	0	0	1,098	0	1,198
MIVC	7	0	0	0	0	0	0	194	0	201
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	100	0	369	0	0	0	13	1,292	0	1,774
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	12	0	0	0	0	0	0	12
SDVC	0	0	36	0	0	0	0	0	0	36
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	4	0	0	0	0	0	0	1,438	0	1,442
MIVC	0	0	0	0	0	0	0	30	0	30
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	48	0	0	0	0	1,468	0	1,520

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-11 Acres of Verified Change in the Plumas National Forest by Cause and Conifer Cover Type** (continued)

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
		Burn			Fuel Reduction					Verified
<b>Sierran Mixed Conifer</b>										
LDVC	4	0	232	0	0	0	0	0	0	236
MDVC	18	0	256	0	0	0	0	0	0	274
SDVC	164	0	1,388	0	0	0	0	0	0	1,552
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	2,946	0	12	0	0	0	0	22,462	0	25,420
MIVC	1,214	0	0	0	0	0	0	3,056	0	4,270
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	1	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	4,346	0	1,888	0	0	0	0	25,519	0	31,753
<b>White Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	15	0	0	0	0	0	0	15
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	15	0	0	0	0	0	0	15
<b>TOTAL</b>	13,605	0	2,492	0	0	0	13	36,459	0	52,569

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-12 Acres of Verified Change in the Tahoe National Forest by Cause and Hardwood Cover Type**

	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Montane Hardwood</b>										
LDVC	0	0	70	0	0	0	3	7	0	80
MDVC	0	0	38	0	0	0	1	3	0	42
SDVC	21	0	107	0	0	0	8	2	0	138
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	39	0	1	0	0	0	0	135	0	175
MIVC	3	0	1	0	0	0	0	40	0	44
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	1	0	0	0	0	0	0	0	0	1
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	64	0	217	0	0	0	12	187	0	480
<b>Aspen</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	15	0	0	0	0	0	0	0	0	15
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	15	0	0	0	0	0	0	0	0	15
<b>Montane Riparian</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	2	0	0	0	0	0	0	2
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	7	0	7
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	2	0	0	0	0	0	0	9
<b>TOTAL</b>	<b>79</b>	<b>0</b>	<b>219</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>194</b>	<b>0</b>	<b>504</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

**Table F-13 Acres of Verified Change in the Tahoe National Forest by Cause and Conifer Cover Type**

	Wildfire	Prescribed	Harvest	Thinning	Brushing for	Mortality	Development	Regeneration	Other	Total
		Burn			Fuel Reduction					Verified
<b>Eastside Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	1	0	0	0	0	0	0	0	0	1
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	0	0
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	0	0	0	0	0	0	1
<b>Jeffrey Pine</b>										
LDVC	2	0	0	0	0	0	0	0	0	2
MDVC	392	0	48	0	0	0	0	0	0	440
SDVC	2,786	0	457	0	0	0	0	0	0	3,243
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	47	0	0	0	0	0	0	3,110	0	3,157
MIVC	0	0	0	0	0	0	0	112	0	112
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	2	0	2
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	3,227	0	505	0	0	0	0	3,224	0	6,956
<b>Lodgepole Pine</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	1	0	0	0	0	0	0	1
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	18	0	18
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	0	0	0	18	0	19
<b>Ponderosa Pine</b>										
LDVC	0	0	6	0	0	0	0	0	0	6
MDVC	0	0	28	0	0	0	0	0	0	28
SDVC	1	0	18	0	0	0	1	10	0	30
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	5	0	0	0	0	0	0	47	0	52
MIVC	0	0	0	0	0	0	0	9	0	9
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	6	0	52	0	0	0	1	66	0	125
<b>Red Fir</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	315	0	0	0	0	0	0	315
SDVC	0	0	543	0	0	1	0	0	0	544
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	30	0	0	0	0	0	0	2,619	0	2,649
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	30	0	858	0	0	1	0	2,619	0	3,508

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.



**Table F-13 Acres of Verified Change in the Tahoe National Forest by Cause and Conifer Cover Type** (continued)

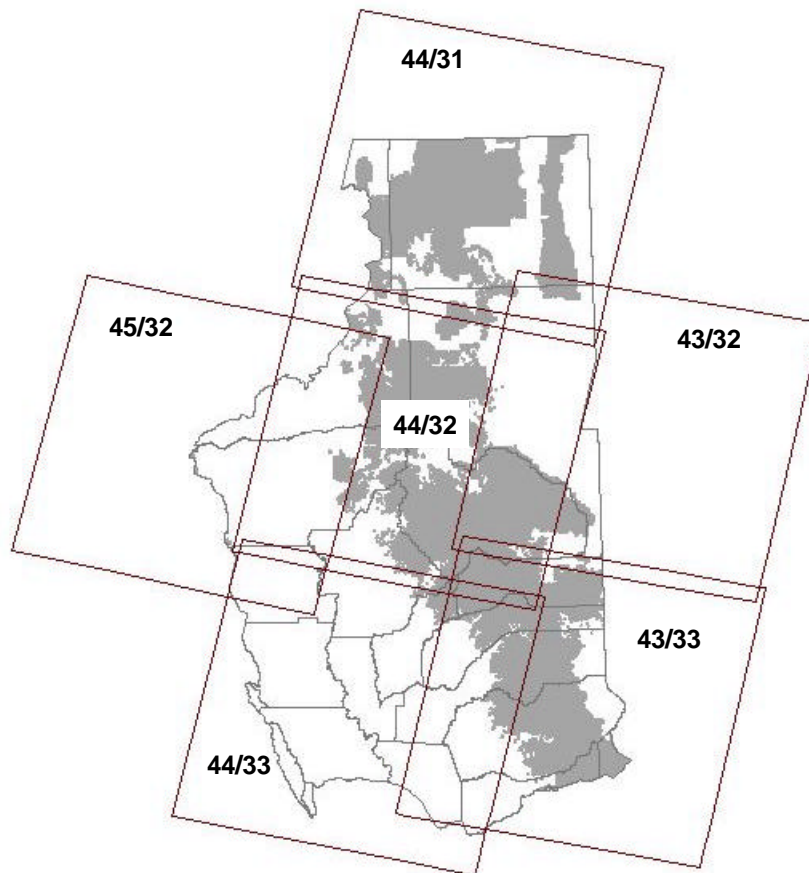
	Wildfire	Prescribed Burn	Harvest	Thinning	Brushing for Fuel Reduction	Mortality	Development	Regeneration	Other	Total Verified
<b>Subalpine Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	0	0	0	0	0	0	0	0
SDVC	0	0	0	0	0	0	0	0	0	0
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	0	2	2
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	2	2
<b>Sierran Mixed Conifer</b>										
LDVC	25	0	326	0	0	0	0	1	0	352
MDVC	4,161	0	1,354	0	0	0	7	12	0	5,534
SDVC	12,572	0	1,872	20	0	0	57	12	0	14,533
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	3,727	0	40	0	0	0	0	13,350	0	17,117
MIVC	945	0	20	0	0	0	0	1,834	0	2,799
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	2	0	0	0	0	0	0	2	0	4
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	21,432	0	3,612	20	0	0	64	15,211	0	40,339
<b>Undetermined Conifer</b>										
LDVC	0	0	0	0	0	0	0	0	0	0
MDVC	0	0	4	0	0	0	0	0	0	4
SDVC	0	0	9	0	0	0	1	0	0	10
NCH	0	0	0	0	0	0	0	0	0	0
SIVC	0	0	0	0	0	0	0	1	0	1
MIVC	0	0	0	0	0	0	0	0	0	0
LIVC	0	0	0	0	0	0	0	0	0	0
NVG	0	0	0	0	0	0	0	0	0	0
CLD/SHA	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	13	0	0	0	1	1	0	15
<b>TOTAL</b>	<b>24,696</b>	<b>0</b>	<b>5,041</b>	<b>20</b>	<b>0</b>	<b>1</b>	<b>66</b>	<b>21,141</b>	<b>0</b>	<b>50,965</b>

LDVC – large decrease in vegetation cover; MDVC – moderate decrease in vegetation cover; SDVC – small decrease in vegetation cover; NCH – little to no change in vegetation cover; SIVC – small increase in vegetation cover; MIVC – moderate increase in vegetation cover; LIVC – large increase in vegetation cover; NVG – non-vegetation change; CLD/SHA – cloud or shadow  
Refer to Appendix D for WHR type descriptions.

## APPENDIX A - DATA SOURCES

### Image Data

TM imagery provides the base data for deriving changes in vegetation cover. Project area coverage requires six TM image pairs (12 TM images). Images for each year are selected as close to the same month as possible to minimize differences in vegetation moisture content and shadow effects. Images are also selected for minimal cloud coverage. TM imagery consists of thousands of pixels, each having a spatial resolution of 30m<sup>2</sup> or approximately 1/5 of an acre. Figure 1a shows the extent of TM image coverage and lists all imagery for the project area by path/row and date.



Path/Row	Dates	
44/31	8/26/91	8/07/96
45/32	6/27/90	8/14/96
44/32	8/26/91	8/07/96
43/32	8/16/90	7/31/96
44/33	6/20/90	8/07/96
43/33	7/02/91	7/31/96

Figure 1a. TM Imagery Extent and Dates for the Northeastern California Project Area.

## Vegetation Data

Vegetation data are used to determine which lifeforms and WHR types (Appendix D) are experiencing various magnitudes of change. The best available vegetation data are collected for the project area and combined into a single layer (Table 2a). In areas that overlap, the most current and accurate vegetation data are used. Vegetation layers not in the WHR classification (Mayer and Laudenslayer, 1988) are modeled to this classification. The LCMMP has completed vegetation data for most of the project area. The exceptions are the low elevation hardwood rangelands that the hardwood data cover and the northern portion of the Sacramento Valley that the GAP data cover.

**Table 1a. Vegetation Data for the Northeastern California Project Area**

Name	Classification	Source	Scale	Extent	% Of Project Area
CA Mapping & Monitoring Program Vegetation Data	CALVEG / WHR	1991 TM imagery	2.5 acre mmu*	Modoc bioregion, Plumas NF, Eldorado NF, Tahoe NF, LTBMU**	64
Hardwood Rangelands	WHR	CDF, updated 1990	25 <sup>2</sup> meter pixels	Hardwood rangelands below 5000 ft. elevation	23
GAP Analysis 1990	WHR used	Varies; TM imagery, Field data	100 hectares (~250 acres)	Statewide	13

\* mmu - minimum mapping unit.

\*\* Lake Tahoe Basin Management Unit.

## Other Data

Table 3a describes data layers that supplement our monitoring program. These layers are used to stratify change areas, verify causes and correlate change to mortality levels.

**Table 2a. Supplemental Data for Northeastern California Project Area**

Name	Description	Data Type	Scale	Source	Extent
Ownership	Local, state federal, private	Polygon	1:100,000	Teale Data Center	Statewide
County	County boundaries	Polygon	1:24,000	Teale Data Center	Statewide
Fire Perimeters	Recent and past fires	Regions (polygon)	Varies; 1:24,000 to 1:100,000	Maintained by CDF and FS	Statewide
Harvest / Plantation	Silvicultural practices	Polygon	1:24,000	FS	National Forest lands
NHFEU* Boundaries	Ecological subsection boundaries	Polygon	1:7,500,000	FS	Statewide
Aerial Photos	9" x 9"	Print photograph	1:15,840 nominal	FS	National Forest lands
Field Plots	Variable & fixed radius	Ground measures	1/8 ac., 1/4 ac., 40 BAF	CA Mapping & Monitoring Program	Selected sites within project area

\*National Hierarchical Framework of Ecological Units.

## **APPENDIX B - METHODOLOGY**

### **Database Building**

In this procedure, TM imagery is prepared for processing and a single vegetation layer is assembled. The first step in preparing the TM imagery is to register the early date TM image to the later date TM image that are in the same path and row. Registration begins by identifying common features throughout both images on-screen (e.g., road intersections). These features are used in a nearest neighbor resampling technique to assign the early date pixel values to the later date pixel locations. These new pixel locations must be within  $\frac{1}{2}$  pixel of the later date pixels to eliminate any false changes. The images are then radiometrically corrected to account for differences in atmospheric conditions (e.g., haze and water vapor). This process selects dark and light groups of pixels in each image date and applies a regression-based correction to the early image date to effectively remove differences in atmospheric conditions (Schott et al., 1988).

Another part of database building is assembling a single vegetation layer. A complete vegetation layer for the project area does not currently exist, so the best available vegetation layers are mosaicked together (Table 2a). Layers that are in a polygon format are converted to a pixel format. In the mosaic process, precedence is given to the LCMMP vegetation layers, then the hardwood layer and finally the GAP data, which fills in any remaining areas. GAP data is usually a small component of the vegetation layer and is mainly used to cover the low elevation valley areas. The WHR classification system is used for the final vegetation layer. Vegetation layers not in this classification system, such as CALVEG (USDA Forest Service Regional Ecology Group, 1981), are classified to it.

### **Change Processing**

The TM imagery co-registered and radiometrically corrected in the database building process is analyzed for change in this step. This process begins by applying a Kauth-Thomas transformation to both dates of imagery (Kauth and Thomas, 1976). This transformation uses model coefficients to produce a new image depicting changes in brightness, greenness, and wetness components (Crist and Cicone, 1984). Brightness identifies variation in reflectance, greenness is related to the amount of green vegetation present in the scene, and wetness correlates to canopy and soil moisture. The Kauth-Thomas transformation produces an image with so much information (each pixel contains values for brightness, greenness and wetness changes), that it is necessary to aggregate areas of similar pixel values into regions. Regions are based on pixel groupings from two TM bands (3 and 4) and a texture band, which is a spatial component that enhances subtle edges, from the later date TM image (Ryherd and Woodcock, 1990). These regions are then used to aggregate the pixels of brightness, greenness, and wetness changes and effectively reduce the number of unique information types.

### **Change Labeling**

Change labeling is a multi-step process that converts the change image to a change map that identifies decreases and increases in vegetation cover. The change image is subset into individual lifeform type (e.g., conifer, hardwood and shrub) by overlaying the vegetation layer and selecting those areas in the change image that have the same lifeform. An unsupervised classification is performed on the individual lifeform change images resulting in groups of similar levels of brightness, greenness and wetness. These groupings are assigned to one of nine change classes (Figure 1b). Image appearance, photo interpretation, vegetation and topographic

- **Large Decrease in Vegetation Cover**
- **Moderate Decrease in Vegetation Cover**
- **Small Decrease in Vegetation Cover**
- **Little or No Change in Vegetation Cover**
- **Small Increase in Vegetation Cover**
- **Moderate Increase in Vegetation Cover**
- **Large Increase in Vegetation Cover**
- **Non-Vegetation Change**
- **Cloud or Shadow**

Figure 1b. Classes of vegetation cover change.

maps and bispectral plots (e.g., greenness vs. wetness) aid in assigning the change classes. Each individual lifeform change image is then assembled into one project area change map.

The decrease and increase change classes represent relative changes in vegetation cover. For example, a small decrease will have less vegetation cover loss than a moderate or large decrease (e.g., a thinning compared to a clearcut). The little or no change class indicates that change did not occur or that change was so slight that it could not be detected. The non-vegetation change class accounts for variations in lake or reservoir water levels and snow pack in the higher elevations. The cloud or shadow class accounts for clouds in the imagery and shadows in the mountainous areas that obscure ground cover and make it not possible to determine whether the vegetation had changed or remained stable in these areas.

### **Cause Verification**

Once the final change map is complete, the attempt is made to verify cause on all change areas. GIS overlay, fieldwork and photo interpretation are used to determine the causes of change areas. The CDF forest practices database, the FS stand record system database and the CDF fire history database are overlaid onto the change map to attribute changes caused by harvests, regeneration and wildfires. FS resource managers interpret change maps by applying local knowledge and fieldwork to identify sources of change on national forest lands. Similarly, UC Integrated Hardwood Rangeland Management Program (IHRMP) personnel consult private landowners to identify sources of change in hardwood rangelands. Areas without a causal agent identified through the above processes become the focus of further field efforts and aerial photo interpretation. Despite all these efforts, full coverage of cause verification is not always possible due to the large number of change areas, insufficient information and inaccessible lands.

## APPENDIX C - DATA ACCURACY

To assess the accuracy of the change map, 300 randomly selected change areas were compared with known reference information of the same areas. All change classes were represented with sites based on the acreage amount of change (e.g., the little or no change class has the largest acreage, thus contains the most sites). Sites were selected by creating polygons out of the change areas, then randomly selecting change polygons between 10 and 30 acres. These areas were interpreted for change using color aerial photography at a scale of 1:15,840, TM imagery and field collected data. Because the decreasing and increasing change classes are relative to each other (large decrease has more relative change than moderate decrease), the interpretation of the photo or image was subjective based on the degree of interpreted change.

Table 1c displays the error matrix for the Northeastern CA project area. The overall accuracy of the change map is 89.3%. This means that of the 300 sample sites, 268 were correctly classified (the reference and classified classes are the same). Errors of commission (reference class included in the wrong classified class) and omission (reference class excluded from the correct classified class) are also evident. For example, in Table 1c one site is classified as LDVC when the reference class shows it was actually MDVC. Therefore, one area was omitted from the

**Table 1c. Change Map Accuracy Assessment for the Northeastern CA Project Area**

		Reference Class								TOTAL
		LDVC	MDVC	SDVC	NCH	SIVC	MIVC	LIVC	NVG	
Classified As	LDVC	8	1							9
	MDVC	1	12	7						20
	SDVC	1	2	30						33
	NCH			8	150	5			3	166
	SIVC					38	1	1		40
	MIVC					2	14			16
	LIVC							9		9
	NVG								7	7
	TOTAL	10	15	45	150	45	15	10	10	300

### Producer's Accuracy

LDVC	8/10	80%
MDVC	12/15	80%
SDVC	30/45	67%
NCH	150/150	100%
SIVC	38/45	84%
MIVC	14/15	93%
LIVC	9/10	90%
NVG	7/10	70%

### User's Accuracy

LDVC	8/9	89%
MDVC	12/20	60%
SDVC	30/33	91%
NCH	150/166	90%
SIVC	38/40	95%
MIVC	14/16	88%
LIVC	9/9	100%
NVG	7/7	100%

\* LDVC - large decrease in vegetation cover; MDVC - moderate decrease in vegetation cover; SDVC - small decrease in vegetation cover; NCH - little or no change in vegetation cover; SIVC - small increase in vegetation cover; MIVC - moderate increase in vegetation cover; LIVC - large increase in vegetation cover; NVG - non-vegetation change; CLD/SHA - cloud or shadow

correct MDVC class and committed to the incorrect LDVC class. The producer's accuracy for each change class ranged from 67% to 100% and the user's accuracy ranged from 60% to 100%. Producer's accuracy represents how well the reference data of each change class is classified. User's accuracy indicates the probability that a given change class actually represents that same change on the ground.

The accuracy assessment also shows how well the methods classify decreases and increases. Areas classified as a decrease were always a decrease, although the correct class was not always assigned. The same is true for the areas classified as an increase. Also, a decrease site is not classified into an increase class and an increase site is not classified into a decrease class. The small decrease and increase classes have sites classified into the little to no change class (eight and five out of 45, respectively). This is expected, however, as this type of change can be very subtle and the methods will have difficulty detecting it.



## APPENDIX D - WHR TYPE DESCRIPTIONS

Species Compositions for Major Hardwood, Conifer and Shrub / Chaparral WHR Types;  
Species in bold are dominant and species in non-bold are associates.

Source: Mayer and Laudenslayer, 1988.

BLUE OAK WOODLAND	BLUE OAK/ FOOTHILL PINE	MONTANE HARDWOOD
<b>blue oak</b>	<b>blue oak</b> <b>foothill pine</b>	<b>CA black oak</b> <b>Pacific madrone</b> <b>tanoak</b> <b>alder</b> <b>interior live oak</b> <b>canyon live oak</b>
interior live oak coast live oak buckeye juniper canyon live oak valley oak ponderosa pine	coast live oak interior live oak canyon live oak	Oregon white oak coast live oak California laurel valley oak blue oak foothill pine ponderosa pine

SIERRAN MIXED CONIFER	EASTSIDE PINE	JUNIPER	PONDEROSA PINE	RED FIR	JEFFREY PINE
<b>white fir</b> <b>Douglas fir</b> <b>ponderosa pine</b> <b>sugar pine</b> <b>incense cedar</b>	<b>ponderosa pine</b>	<b>juniper</b>	<b>ponderosa pine</b>	<b>red fir</b>	<b>Jeffrey pine</b>
giant sequoia	Jeffrey pine lodgepole pine white fir incense cedar Douglas fir California black oak western juniper	white fir Jeffrey pine ponderosa pine whitebark pine singleleaf pinyon	white fir incense cedar Coulter pine Jeffrey pine sugar pine Douglas fir bigcone Douglas fir		ponderosa pine Coulter pine sugar pine lodgepole pine white fir red fir limber pine incense cedar

MIXED CHAPARRAL	MONTANE CHAPARRAL	SAGEBRUSH
<b>oaks</b> <b>ceanothus</b> <b>manzanita</b>	<b>ceanothus</b> <b>manzanita</b> <b>bitter cherry</b>	<b>sagebrush</b> <b>rabbitbrush</b> <b>gooseberry</b>
chamise mountain mahogany buckeye sumac buckthorn California fremontia		

## APPENDIX E - LITERATURE CITED

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## **APPENDIX F – Map Atlas Document**

The county monitoring maps have been removed from this document and assembled into a separate map atlas document. The purpose of this is to minimize the file size of the document.

The map atlas document is located at:

[http://frap.cdf.ca.gov/projects/land\\_cover/monitoring/pdfs/necdp\\_county\\_atlas.pdf](http://frap.cdf.ca.gov/projects/land_cover/monitoring/pdfs/necdp_county_atlas.pdf)

Warning the file size is large, so please be patient.