

**Fiscal Year 2019-20**  
**TECHNICAL APPENDICES**  
**for**  
**Report to the Joint Legislative Budget Committee on the Timber**  
**Regulation and Forest Restoration Program**

In Fulfillment of the Annual Reporting  
Requirements of Public Resources Code Section 4629.9





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## 1. SCOPE OF DOCUMENT

This *Technical Appendices* is intended to supplement the contents of the primary Report to the Joint Legislative Budget Committee on the Timber Regulation and Forest Restoration Program<sup>1</sup> for FY 2019-2020. The contents herein provide detailed data pertaining to Technical Reporting as required by legislation.

## 2. TECHNICAL REPORTING:

The report is prepared to fulfill the requirements of PRC § 4629.9 for FY 2019-2020. The following sections provide in-depth information and data on review team staffing levels and positions, expenditures, and timber harvest review times.

### 2.1 Departmental Staffing and Costs

#### 2.1.1 Natural Resources Agency (CNRA)

CNRA currently has three dedicated staff supporting the timber fund efforts (Table 1): Deputy Secretary for Forest Resources Management, a Senior Environmental Scientist, and an Executive Assistant. The Deputy Secretary of Forest Resources Management position ensures the effectiveness of the timber harvest review programs by coordinating activities among departments, interacting with stakeholders, providing leadership for the development of the Program and its role in California forest health and wildfire mitigation efforts. In FY 2017-18, a Senior Environmental Scientist Specialist was added at CNRA to support Program operations and development of statewide forest monitoring and planning initiatives.

**Table 1. CNRA Program Expenditures (\$1,000) and Positions (PY), Fiscal Years 2013-14 through 2019-20.**

Budget Item	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Authorized Expenditures	\$492	\$2,596	\$1,234	\$2,211	\$1,762	\$1,523
Actual Expenditures	\$492	\$2,595	\$853	\$765	\$1,762*	\$1,523*
Authorized Positions	2	2	2	3	3	3

\*Estimated projection

<sup>1</sup> Referenced alternately as the "Fund" or "Program" throughout document.



The Fund expenditure level at CNRA was \$2.6 million in FY 2015-16. The substantial increase from previous years was primarily due to one-time funding for development of the CalTREES on-line timber harvest permitting system (\$1.3 million), collection of data to support planning watershed pilot projects (\$450,000), and a pilot project to collect data on private forestlands using the Water Board's bioassessment methods (\$300,000). Funding expenditures dropped substantially in FY 2016-17, reflecting the one-time nature of the several items in the prior fiscal year budget.

### **3.1.2 CAL FIRE and Board of Forestry and Fire Protection**

There has been no increase in CAL FIRE Timber Fund staffing since FY 2017/18 and the Board of Forestry and Fire Protection (Board) staffing increase of 2 positions was detailed in the last report. Authorized expenditures for CAL FIRE and the Board were at their lowest level since FY 2014/15, due to projected and realized reductions in revenue into the Timber Fund. Actual expenditures were similarly down due in part to salary savings from a series of Fund position vacancies and staff being funded from the emergency fund when assigned to incidents during a challenging wildfire season.

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**Table 2. CAL FIRE and Board of Forestry and Fire Protection Timber Fund Expenditures (\$1,000) and Positions (PY),  
Fiscal Years 2008-09 through 2019-20.**

<b>Budget Item</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
Authorized Expenditures	\$12,633	\$11,280	\$11,034	\$11,111	\$12,039	\$13,311	\$14,893	\$22,456	\$22,623	\$30,016	\$41,935	\$21,699
Actual Expenditures	\$11,275	\$11,381	\$10,766	\$11,565	\$11,098	\$12,717	\$13,775	\$18,162	\$19,263	\$23,246	\$19,508	\$15,950
Authorized Positions— CAL FIRE	95	95	95	95	95	101	104	114	114	123	123	123
Authorized Positions— Board								1	1	2	4	4

The BOF received its first Timber Fund position and funding in FY 2015-16 to support the Board’s Effectiveness Monitoring Committee and other Board functions. In FY 2016-17, the Board received an appropriation of \$450,000/year for two years to fund forest practice effectiveness monitoring projects under the aegis of the Effectiveness Monitoring Committee. In FY 2018-19, this funding was made permanent and ongoing.

Table 3 provides details on CAL FIRE and BOF forest practice program staff for FY 2015-16 through 2019-20.



**Table 3. All CAL FIRE and Board of Forestry and Fire Protection Positions (PY) in Fiscal Years 2019-20.**

CLASSIFICATION	CAL FIRE REGIONS/BRANCHES				
	Northern Region	Sacramento	Southern Region	Legal Office	Total
Assoc. State Archeologist	1				1
Senior State Archeologist		1	1		2
Attorney III				1	1
Executive Secretary I		1			1
Forestry Assistant II	6	1			7
Forester I (Nonsupvry)	25	9	3		37
Forester II (Supvry)	21	5	1		27
Forester III	3	2			5
Forestry and Fire Protection Administrator		2			2
Office Assistant (Typing)	3.5		0.5		4
Office Tech (Typing)	8	2	0.5		10.5
Program Tech II	7				7
Supervising Prog Tech II	1				1
Research Analyst I (GIS)			0.5		0.5
Research Analyst II (GIS)	3				3
Research Program Specialist II (GIS)	1				1
Research Program Manager III	1				1
Secretary	2				2
Staff Environmental Scientist		1			1
Senior Environmental Scientist (Specialist)		3			3
Assoc. Gov't Program Analyst		2			2
Sr. Accounting Officer		1			1
Senior Programmer Analyst		2			2
Other			1		1
Forestry Assistant II (Board of Forestry and Fire Protection)		1			1
Attorney IV (Board of Forestry and Fire Protection)		.5			.5
AGPA, Board of Forestry		1.5			1.5
Executive Officer, Board of Forestry		.5			.5
Executive Assistant		.5			.5
<b>Total</b>	<b>82.5</b>	<b>36</b>	<b>7.5</b>	<b>1</b>	<b>127</b>



### **2.1.3 Department of Fish and Wildlife (CDFW):**

Tables 4 and 5 provides historic and reporting-year fiscal and staffing information for CDFW's Timberland Conservation Program. As noted above, CDFW staffing and funding have increased markedly since FY 2011-12, allowing the CDFW to greatly increase its timely involvement in harvest plan review and oversight, as well as other work with landowners, such as pre-consultation, training, and participation in research or monitoring projects.

Over the last year, CDFW has worked to rectify the discrepancies with its staffing and budget within the Timberland Conservation Program. Upon establishment of the Timberland Conservation Program, many staff were hired at entry level salaries resulting in a budgetary surplus. To maximize budgetary resources, CDFW funded additional staff with surplus reserves from the Timber Regulation and Forest Restoration Fund to provide increased service to the regulated community. Therefore, CDFW had a higher number of positions filled compared to number of positions authorized.

In FY 18-19, CDFW conducted an in-depth budget review for the Timberland Conservation Program and concluded that it had not been appropriately authorized to increase staff numbers, necessitating a reduction in staffing in line with current position authority. Additionally, the CDFW Timberland Conservation Program has not experienced the levels of staff attrition and vacancy that are common across the state. As a result, many CDFW Program staff are at, or near, maximum salary levels. As funding for positions is allocated at the mid-range salary, a high number of staff at maximum salary can stress a program budget. The final consideration in budgeting CDFW staff costs was the impact of the 25% negotiated pay increase to scientific staff over a five-year period. The budget and reductions in staff levels for FY 18-19 reflect CDFW correcting prior budget and staff levels. As of FY 19-20, CDFW staffing level does not exceed the number of authorized positions and will operate within its authorized budget. The addition of staff and funding provided through the SB901 budgetary process will allow for CDFW to engage in its expanded scope of responsibilities in relation to fire resiliency and timber harvest monitoring.



**Table 4. CDFW Appropriations and Positions (PY) in Fiscal Years 2014-15 through 2019-20.**

Budget Item	FY					19-20
	14-15	15-16	16-17	17-18	18-19	
<b>Legislative Appropriation</b>						
Timberland Conservation Program	\$5,437	\$6,321	\$6,123	\$7,437	\$6,791	\$9,163
Restoration Grants	\$554 <sup>a</sup>	\$3,446	\$2,000	\$3500 <sup>b</sup>	\$2,000	\$1,000
Watershed Enforcement Team	\$592	\$656	\$753	\$230	\$657	\$690
TOTAL	\$6,583	\$10,424	\$8,876	\$11,167	\$9,448	\$10,853
<b>Expenditures</b>						
Timberland Conservation Program	\$5,437	\$5,954	\$5,609	\$7,597	\$7,157	\$9,613
Restoration Grants	\$554	\$2,000	\$3,500	\$2,000	\$2,000	\$1,000
Watershed Enforcement Team	\$592	\$464	\$411	\$257	\$680	\$0
TOTAL	\$6,583	\$8,418	\$9,520	\$9,854	\$9,837	\$10,613
<b>Positions Authorized</b>						
Timberland Conservation Program	35	37	37	37	37	52
Watershed Enforcement Team	3	3	3	3	3	3
TOTAL	38	40	40	40	40	55
<b>Positions Filled</b>						
Timberland Conservation Program	39	41	40	41	34.5 <sup>c</sup>	47.2 <sup>d</sup>
Watershed Enforcement Team	3	3	3	3	3	0 <sup>e</sup>
TOTAL	42	44	43	44	37.5	47.2
<b>Notes:</b>						
<p>\$ in thousands  <sup>a</sup> In FY 14-15, \$2m was appropriated by the legislature for Restoration Grants. Only \$554k of this was expended FY14-15 and the legislature appropriated the remainder the following FY.  <sup>b</sup> Extra \$1.5m for cannabis remediation restoration.  <sup>c</sup> In FY 18-19, an internal budget leveling exercise led to staffing reductions in CDFW.  <sup>d</sup> 4.5 PYs are funded through the General Fund, not TRFRF.  <sup>e</sup> 3 Non-TCP cannabis/watershed cleanup (not standard CDFW enforcement) PYs were redirected from TRFRF to the continuous appropriation (started in FY 19/20) Cannabis Tax Fund. CDFW is in process of backfilling these 3 positions.</p>						





Table 5 provides details on the staffing of CDFW's Timberland Conservation Program by detailed position classifications for FY 2019-20.

<b>Table 5. CDFW Timberland Conservation Program Positions (PY) Filled in Fiscal Year 2019-20</b>										
<b>CLASSIFICATION</b>	<b>CDFW REGIONS AND BRANCHES</b>									
	<b>R1</b>	<b>R2</b>	<b>R3</b>	<b>R4</b>	<b>R5</b>	<b>R6</b>	<b>HCPB</b>	<b>BDB</b>	<b>OGC</b>	<b>Total</b>
Environmental Program Manager	1						1			2
Environmental Scientist	12.5	3	3	1	1		2	2		24.5
Administrative Staff	2	1.7								3.7
Research Analyst II		1								1
Senior Environmental Scientist Supervisor	1	1	0.5				1			3.5
Staff Counsel									0.5	0.5
Senior Environmental Scientist Specialist	5	3	1	1		1	1			12
<b>Total</b>	<b>21.5</b>	<b>9.7</b>	<b>4.5</b>	<b>2.0</b>	<b>1.0</b>	<b>1.0</b>	<b>5.0</b>	<b>2.0</b>	<b>0.5</b>	<b>47.2</b>

**HCPB** Habitat Conservation Planning Branch

**BDB** Biogeographic Data Branch

**OGC** Office of General Council

**4.5 PYs** funded through the General Fund

### 2.1.4 Water Boards

Table 6 provides historic and reporting-year fiscal and staffing information for the Water Boards' Forest Activities Program (FAP). The Water Boards' staffing and funding increased from 27.8 positions and \$4.7 million in appropriations in FY 2012-13 to 35.2 positions and \$8.7 million in total appropriations (Timber Fund and General Fund) in FY 2017-18. As detailed below, these funds do not all come from the Timber Fund. Actual total Timber Fund expenditures in FY 2017-18 were \$5.3 million. Four additional positions and \$2 million in forest restoration grant funds (per year for two years) were authorized beginning FY 2015-16. In FY 2016-17, five limited-term positions were converted to permanent positions.



**Table 6. Water Boards Timber Harvest Program Expenditures (\$1,000) and Positions (PY),  
Fiscal Years 2007-09 through 2019-20.\***

Forest Program Budget	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Appropriations	\$4,699	\$5,034	\$4,396	\$4,692	\$4,688	\$4,688	\$5,819	\$6,433	\$8,465	\$9,171	\$8,847	NA*	NA
Actual Expenditures	\$4,616	\$4,381	\$4,365	\$4,692	\$4,688	\$4,204	\$4,971	\$6,433	\$8,094	\$8,602	\$8,722	NA*	\$10,582
Authorized Positions	32.0	28.2	28.2	26.4	26.4	27.8	31.3	32.3	34.9	36.2	35.2	35.2	53.2

See Table 16 for breakdown of the General Fund and Timber Fund components of these budget numbers. \*Due to issues with FISCAL, Water Boards are currently processing FY 2019 numbers.

Table 7 provides reporting-year staffing information for the Water Boards' Forest Activities Program (FAP). The Water Boards' staffing increased from 35.2 positions in FY 2018-19 to 53.2 positions in FY 2019-2020. New positions were added to the program to support the workload from increased timber and vegetation management activities by utility companies, landowners, and public agencies in response to Senate Bill 901. The increase in State Water Board staffing is to update existing regulation and develop new regulation in response to the work described in Senate Bill 901. The increase in Regional Water Board staffing is to conduct inspections and process the increase in potential discharges to waters of the state.

**Table 7. Water Boards Forest Activities Program Positions in FYs 2019-20**

Classification	R1	R5	R6	SB	Total
Environmental Program Manager I	1.0				1.0
Supervising Engineering Geologist		0.4			0.4
Senior Environmental Scientist	1.6				1.6
Environmental Scientist	4.7	7	1.5	5	18.2
Senior Water Resources Engineer			1.0		1.0
Water Resources Control Engineer	1.8	0.3	1.0		3.1
Senior Engineering Geologist	2.0	2.6			4.6
Engineering Geologist	11	5.8	3		19.8
Attorney III				1.7	1.7
Analyst/Other		1.0		0.8	1.8
Total	22.1	17.1	6.5	7.5	53.2



As shown in Table 8, the Water Boards' Forest Activities Program receives funding from both the General Fund, the Waste Discharge Permit Fund (WDPF) and the Program Fund. The WDPF supports utility specific permit development, implementation, compliance and enforcement across the state and beyond forested lands. The General Fund is used to support program activities related to non-commercial forestland management, whereas the Program Fund provides for the review and permitting of timber harvesting and related activities on nonfederal forests and federal forests, and for forest restoration grants.

**Table 8. Funding Breakdown for the Water Boards' Forest Activities Program (FAP), Fiscal Years 2008-09 through 2018-19 (\$1,000).**

<b>Appropriations by Fund</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
General Fund	\$5,034	\$4,396	\$4,692	\$4,688	\$4,028	\$3,354	\$3,890	\$2,835	\$3,376	\$3,293	NA*	\$5,083
Timber Fund	-	-	-	-	\$660	\$2,465	\$2,543	\$5,341	\$5,795	\$5,554	NA*	\$5,498
<b>Total</b>	<b>\$5,034</b>	<b>\$4,396</b>	<b>\$4,692</b>	<b>\$4,688</b>	<b>\$4,688</b>	<b>\$5,819</b>	<b>\$6,433</b>	<b>\$8,176</b>	<b>\$9,171</b>	<b>\$8,847</b>	<b>NA*</b>	<b>\$10,582</b>

\* Due to issues accessing FISCAL data Water Boards were unable to track FY 18/19 financial numbers

State law requires each person who discharges waste or proposes to discharge waste that could affect the quality of the waters of the state to file a report of waste discharge with the appropriate Regional Water Board and to pay an annual fee set by the State Water Board, the funds from which are deposited in the Waste Discharge Permit Fund. The enactment of AB 1492 prohibits the Water Board from charging fees for its WDRs for timber operations, and it replaces the lost fee revenue with funding from the Timber Fund.

With regard to water quality monitoring, the Water Boards utilize project-specific monitoring and statewide monitoring programs designed to assess the condition of surface waters and ground waters throughout the state of California. These programs, such as the Surface Water Ambient Monitoring Program, help provide a baseline of existing water quality conditions and assessments of changes in conditions over time. When integrated as part of the regulatory planning process, this information enables the Water Boards to modify regulatory requirements over time, as needed, in order to ensure the protection of water quality.



**2.1.5 Department of Conservation**

The California Geological Survey is part of the Department of Conservation (DOC) and provides geological technical support for timber harvest, vegetation management, and fuel reduction projects and associated permitting, including evaluating slope stability, erosion control measures, watercourse crossing, road, and skid trail design and maintenance, providing education, and conducting monitoring as well as performing post-disaster risk assessments. Their work is critical in assessing landslide risk after a fire and helping identify where it is safe to do post-fire emergency salvage harvesting. Since 2013, Geological Survey Staff have increased from 13 to 19 people since FY 2013-14.

Table 9 provides historic and reporting-year fiscal and staffing information for the DOC/CGS's timber harvest programs.

**Table 9. Department of Conservation Timber Harvest Program Expenditures (\$1,000) and Positions, Fiscal Years 2008-09 through 2019-20.**

Budget Item	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Authorized Expenditures (CAL FIRE Interagency Agreement)	\$755	\$640	\$748	\$844	\$422							
Authorized Expenditures (Timber Regulation and Forest Restoration Fund)						\$2,982	\$3,245	\$4,171	\$4,134	\$4,242	\$4,428	\$4,630
Authorized Expenditures (DOC Direct Funding)	\$1,638	\$1,600	\$1,545	\$1,594	\$2,016							
Total Expenditures	\$2,393	\$2,240	\$2,293	\$2,438	\$2,438	\$2,609	\$3,083	\$3,698	\$3,857	\$3,953	\$3,988	\$4,473
Authorized Positions	13	12.1	12.1	12.1	12.1	15	15	19	19	19	19	19

Table 10 provides details on the position classifications for DOC's timber harvest program staff, for FY 2019-20. Fund expenditures are lower than allocated due to significant expenditures for post-wildfire hazard analysis which is funded by CAL FIRE.



**Table 10. DOC Authorized Staff (PY), Fiscal Year 2019-20.**

CLASSIFICATION	REGIONAL DISTRIBUTION OF STAFF				
	Sacramento	Santa Rosa	Eureka	Redding	Total
Sup. Eng. Geologist	1				1
Sr. Eng. Geologist	2	1	1	1	5
Eng. Geologist	2	2	2	2	8
Research Program Specialist II (GIS)	1				1
Research Analyst II (GIS)	1				1
Assoc. Gov. Program Analyst	1				1
Office Technician	1				1
Graduate Student Assistant	1				1
Total	10	3	3	3	19

## 2.2 Workload Analysis

The tables below (Tables 11-13) quantify the workload faced by the review team agencies. Prior to the implementation of AB 1492, information was presented on a calendar year basis; however, AB 1492 instead required that the information be presented on a fiscal year basis (July 1<sup>st</sup>-June 30<sup>th</sup>). The tables provide a detailed look at workload for all the Review team agencies for FYs 2019-20. Note that not all agencies face the same tasks. Table x captures responsibilities under the Forest Practice Act and Rules. Tables x and x capture CDFW and Water Boards responsibilities under timber-harvesting-related laws that they administer, such as Fish and Game Code § 1600 Lake and Streambed Alteration Agreements and Waste Discharge Requirements, respectively.

Table 11. Review Team Workload Measures.	FY 2019-20			
	CAL FIRE	CDFW	CGS	Water Boards
<b>Timber Harvesting Plans</b>				
Plans Filed	228			
Plans Reviewed – Includes plans still under review from previous FY	298	249	298	298
Plans Returned	88			
Pre-harvest Inspections Conducted (THP & Substantive Deviation)	256	134	167	128
Plans Withdrawn	3			
Second Review Participation (THP & Substantive Deviation)	286	137	206	286
Substantial Deviations Filed	37			

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Plans Approved	234			
<i>Timber Harvest Acreage Approved</i>	<i>122,586</i>			
<b>Nonindustrial Timber Management Plans</b>				
Plans Filed	11			
Plans Reviewed	16	14	16	16
Plans Returned	11			
Pre-harvest Inspections Conducted (NTMP & Substantive Deviation)	18	11	14	6
Plans Withdrawn	1			
Second Review Participation (NTMP & Substantive Deviation)	17	11	17	17
Substantial Deviations Filed	5			
Notice of Timber Operations	84			
Plans Approved	13			
<i>Nonindustrial Timber Management Plan Acreage Approved</i>	<i>4,215</i>			
<b>Other Plans, Projects, and Permits</b>				
Sustained Yield Plans Under Review	0	0	0	
Sustained Yield Plans Approved	0			
Exemption Notices	2,292		34	
Emergency Notices	158		11	
<b>Compliance/Enforcement</b>				
Compliance Inspections (Non-PHI)	3,090	21	24	233
Violations	309	7		7
Administrative Civil Penalties Initiated	43			0
Total Active Administrative Civil Penalties	85			0



Tasks tracked by the Department of Fish and Wildlife show a fairly consistent level-of-effort over the of 2015 to 2019-2020. While the overall number of plans submitted to CAL FIRE fluctuates year-to-year, CDFW continues to attend PHIs, process Lake and Streambed Alteration Agreements, and conduct species consultations at a rate similar to past years. In addition to this work, CDFW has increased efforts in landscape planning, such as Habitat Conservation Plans (HCPs) and participating Safe Harbor Agreements (SHAs) and participated in the Legislatively-manded Emergency and Exemption Monitoring Project.

**Table 12. CDFW Timberland Conservation Program Actions under CDFW Authorities or Programs, FY 2019-20.**

Action	CDFW Region					
	R1 Coast	R1 Interior	R2	R3	R4	Total
§ 1600 Lake and Streambed Alteration Agreements	129	30	13	13	3	188
§ 1600 Amendments	39	22	4	2	1	68
§ 1600 Inspections	15	11	9	18	0	53
Exemption Review for Sensitive Resources	4	4	23	127	40	198
Master Agreement for Timber Operation Under Review	0	1	1	0	0	2
Habitat Conservation Plans/NCCPs/Safe Harbor Agreements Under Review	9	14	1	1	0	25
Species Consultations	132	97	9	5	13	256
CA Endangered Species Act Status Review	0	6	0	0	0	6
FLAR and Other Grant Proposal Review	3	0	6	2	5	16
Forest Conservation Easement Review	0	11	0	0	0	11
EM/EX Monitoring	3	21	9	0	1	34



**Table 13. Water Boards Forestry Program Activities, 2019-20 by Region.**

<b>Activity</b>	<b>R-1</b>	<b>R-5</b>	<b>R-6</b>	<b>Total</b>
Waivers or WDR's Under Development or Renewal	3	1	1	4
Plans Enrolled in Waivers of Waste Discharge Requirements	10	NA	14	24
Plans Enrolled in Waste Discharge Requirements	106	154	0	260
Federal Timber Projects Reviewed	17	33	22	72
Federal Inspections	14	40	13	67
Federal Timber Projects Enrolled	7	35	4	46

Over the last decade, the total number of staff supported through the Fund has increased significantly, while the number of Timber Harvesting Plans (i.e., THPs and NTMPs) has remained fairly stable, ranging between 237 and 311, with an average of 270 plans requiring full discretionary review each year. This relative stability in the number of plans has contributed somewhat to a steady increase in timber harvest review efficiency as evidenced by a long-term trend toward relatively shorter and consistent periods of time required to approve a plan. While there have been marked gains in the process, it is critical to understand the other dynamics at play. While the number of Timber Harvesting Plans has stabilized, the average number of acres potentially impacted by harvesting operations remains variable (i.e., 372 ac, to 526 ac. per plan). Changes in regulation add to the complexity of plan review, including the development of complex Working Forest Management Plans (WFMPs) or the changes to exemptions and emergencies. This last fiscal year was dominated by the significant drawdown on staff due to catastrophic increases in wildland fire activity and the closure of review team offices due to the COVID-19 pandemic.

It is also important to note that not all CAL FIRE staff hired through the Program are dedicated to the review of Timber Harvesting Plans. Others fulfill the administrative support and the broader ecological monitoring goals of the program. Similarly, the other agencies utilize staff to address other responsibilities such as preventing impacts to water quality on federal lands, developing and reviewing long-term documents such as Habitat Conservation Plans, and participating in legislatively mandated monitoring. While the total number of review staff have increased; oversight, monitoring and planning staff also increased. CAL FIRE is the lead agency under the Forest Practices Act and CEQA, so the largest suite of responsibilities in timber harvest regulation on nonfederal lands falls to them. To provide information on the scale of these responsibilities over time, Table 14 provides the details of CAL FIRE's tasks for the period of calendar year 2007 through fiscal year 2019-20



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<b>Table 14. CAL FIRE Workload History, Calendar Year 2007 through Fiscal Year 2019-20.</b>													
<b>Workload Measure</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
THPs Filed	435	344	240	244	257	229	297	282	239	234	262	284	228
THPs Returned <sup>1</sup>	115	59	42	52	36	50	110	124	79	73	79	84	88
THPs Resubmitted <sup>1</sup>						50	93	107	69	70	73	79	97
THPs Recirculated <sup>2</sup>						48	20	22	12	3	3	1	3
THP PHIs Conducted <sup>2</sup>	425	334	241	209	254	216	290	272	231	223	253	234	239
THPs Approved <sup>2</sup>	403	355	254	204	285	243	278	260	254	220	267	244	234
Acreage in Approved THPs <sup>3</sup>	133,876	139,365	92,763	88,700	150,919	107,051	146,384	128,644	94,650	91,179	105,523	100,888	122,586
NTMPs Filed	28	27	20	24	15	8	14	10	14	16	15	15	11
NTMPs Returned	10	9	6	8	3	5	4	5	11	7	8	4	11
NTMPs Resubmitted						5		5	7	7	8	4	13
NTMPs Recirculated <sup>2</sup>						4	2	0	1	0	2	0	0
NTMP PHIs Conducted <sup>2</sup>	24	23	16	24	14	8	13	9	15	13	14	11	13
NTMPs Approved <sup>2</sup>	28	25	16	17	17	12	10	12	11	14	14	14	13
Acreage in Approved NTMPs <sup>3</sup>	7,050	8,635	2,471	4,071	3,716	7,365	4,126	3,367	5,572	6,500	4,448	2,410	4,215
NTMP Notice of Timber Operations Received	163	92	37	118	109	102	123	132	127	139	174	109	84
SYPs Received				2		1 <sup>4</sup>		0	0	0	0	0	0
SYPs Approved <sup>4</sup>					2			0	0	0	0	0	0
Acreage in Approved SYPs					271,555			0	0	0	0	0	0
Exemption Notices	2,504	2,149	1,362	1,794	2,475	2,544	2,007	1,785	2,475	2,510	2,021	2,028	2,292
Emergency Notices	91	324	97	85	88	262	126	270	231	83	194	292	158
Minor Deviations Accepted <sup>5</sup>	4,276	3,664	2,094	3,003	2,878	2,815	2,902	2,437	2,419	2,729	4,149	3,001	2,801
THP and NTMP Substantial Deviations Received <sup>1</sup>	81	65	38	30	30	80	142 <sup>6</sup>	93	73	72	93	41	47
THP Substantial Deviations Received						63	114 <sup>6</sup>	68	57	57	72	38	37
THP Substantial Deviations PHIs						14	21	12	12	14	26	10	17
THP Substantial Deviations Second Review Participation	Data not collected prior to FY 2013-14						45	17	19	19	45	57	31
NTMP Substantial Deviations Received						17	28 <sup>6</sup>	25	16	15	21	3	10
NTMP Substantial Deviation PHIs						6	5	7	4	5	7	1	5
NTMP Substantial Deviations Second Review Participation	Data not collected prior to FY 2013-14						14	12	4	8		3	5
Inspections <sup>8</sup>	5,167	4,856	3,445	4,182	4,372	4,281	3,617	3,325	4,191	3,967	3,473	2,705	3,090

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<b>Table 14. CAL FIRE Workload History, Calendar Year 2007 through Fiscal Year 2019-20.</b>													
<b>Workload Measure</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
Violations	452	270	331	384	364	314 <sup>8</sup>	286 <sup>9</sup>	201	361	472	445	289	309
Administrative Civil Penalties Initiated	16	15	15	35	19	29	15	13	7	65	82	29	43
Total Active Administrative Civil Penalties								45	45	79	99	89	85

**Note:** The table describes the different types of harvesting documents.

<sup>1</sup>Includes plans that may have been returned or resubmitted more than once.

<sup>2</sup>May include plans submitted in the prior fiscal year.

<sup>3</sup>Represents plans approved within the calendar or fiscal year (which may have been submitted prior to approval year). Reported acres are from documentation of record; actual acres harvested may not correspond precisely.

<sup>4</sup>Full SYP 10-year update document has not yet been submitted, but agencies have begun precomputation with the submitter.

<sup>5</sup>Includes all harvest document types. Corrections in previous years' totals are a result of ongoing QA/QC of the Forest Practice System. FY 13/14 was corrected to reflect actual number of minor amendments submitted rather than a count of plans with minor amendments.

<sup>6</sup>Totals have been amended to reflect actual count of deviations received not the count of deviations accepted for filing.

<sup>8</sup>Inspections other than preharvest inspections.

<sup>9</sup>Totals have been amended to reflect actual count of Violations rather than a count of harvest documents with violations



## 2.3 Detail on Timber Harvest Activity in FY 2019-2020

Below are tables and brief summaries presenting timber harvesting statistics using CalTREES online permitting system.

### 2.3.1 Number and Acreage Extent of Timber Harvesting Documents Processed

Table 15 shows the number of timber harvest documents received and reviewed, and the acreage covered by them for FYs 2019-2020. For similar data over multiple years, see Table 14, above. Note that Table 15 does not capture forest management activities that CAL FIRE may be involved with in some way, but which do not include commercial timber harvesting. Some examples of forest management activities that may be noncommercial include fuel reduction projects under CAL FIRE's Vegetation Management Program and forest improvement activities under the California Forest Improvement Program (e.g., tree planting, thinning small trees, insect and disease control, addressing sediment sources), and research and demonstration projects on the Demonstration State Forests. For these forest management activities, environmental review is conducted using standard CEQA approaches, such as negative declarations, mitigated negative declarations, or program environmental impact reports.

<b>Table 15. Number of Timber Harvest Documents, and Acreage Covered, Received and Reviewed in the 2019-20 Fiscal Year.</b>			
<b>Harvest Document Type</b>	<b>Count</b>	<b>Acres</b>	<b>Notes</b>
Timber Harvesting Plans Received	218	119,348	This is a count of new plans along with plans resubmitted, including those initially submitted in the previous FY.
Timber Harvesting Plans Reviewed	298	155,316	This includes resubmissions and plans submitted in the previous fiscal year. (Note: some plans are resubmitted multiple times.)
Nonindustrial Timber Management Plans (NTMPs) Received	11	3,370	This is a count of new plans along with plans resubmitted, including those initially submitted in the previous FY.
NTMPs Reviewed	16	4,593	Includes plans submitted in previous fiscal years with ongoing review, along with resubmittals.
NTMP Notice of Timber Operations Received	84	7,318	
Sustained Yield Plans	0	0	
Emergency Notices Received	158	16,056	
Exemption Notices Received	2,292	2,706,977	Includes property-wide filings.



### **2.3.2 Number of Timber Harvest Documents Reviewed**

Table 16 shows the numbers of the various harvesting document types reviewed or received each fiscal year and the acres covered. The numbers of Emergencies and Exemptions have been relatively volatile, in some cases more than double or halving in number, from year to year. As discussed earlier, and highlighted again by the numbers in this table, a share of the timber operations activity has shifted from THPs and NTMPs to Exemptions in particular, given the significant acres and volumes of timber experiencing mortality due to drought, insects, and fire.

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<b>Table 16. Number of Documents Reviewed or Received and Acres Covered<sup>1</sup> by Plans, FY 2012-13 through 2019-20.</b>																
<b>Harvest Document Type</b>	<b>2012-13</b>		<b>2013-14</b>		<b>2014-15</b>		<b>2015-16</b>		<b>2016-17</b>		<b>2017-18</b>		<b>2018-19</b>		<b>2019-20</b>	
	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>	<b>#</b>	<b>Acres</b>
Timber Harvesting Plans Reviewed <sup>2</sup>	279	144,670	437	159,592	461	157,579	375	118,839	354	117,209	384	124,803	258	113,558	298	119,348
Nonindustrial Timber Management Plans Reviewed <sup>2</sup>	13	2,549	21	5,870	23	5,232	27	10,047	27	8,174	30	6,553	16	3,800	16	4,593
NTMP Notice of Timber Operations Received	102	18,666	123	18,692	132	15,910	127	18,911	139	24,332	174	23,203	109	2,670	84	7,318
Sustained Yield Plans	0	0	14	94,000	14	94,000	0	0	0	0	0	0	0	0	0	0
Emergency Notices Received	261	50,583	126	32,256	270	66,876	231	30,348	83	15,176	194	14,416	305	45,423	158	16,056
Exemption Notices Received	2,544	2,621,731	2,007	2,741,708	1,785	2,926,440	2,475	2,721,104	2,510	2,910,721	2,021	3,459,861	2,028	2,834,450	2,292	2,706,977
<b>Totals</b>	<b>3,199</b>	<b>2,838,199</b>	<b>2,715</b>	<b>3,052,118</b>	<b>2,672</b>	<b>3,266,037</b>	<b>3,235</b>	<b>2,899,249</b>	<b>3,113</b>	<b>3,075,612</b>	<b>2,803</b>	<b>3,628,836</b>	<b>2,716</b>	<b>2,999,901</b>	<b>2,852</b>	<b>2,846,974</b>



### **2.3.3 Average Time for Plan Review**

For context and understanding of the trends that the plan review time data show, it is important to emphasize that many factors determine how long it takes to review a THP or NTMP, from the time of submission to approval. These factors include<sup>2</sup>:

- Availability of review team staff;
- Time of year the plan is submitted, with associated weather and potential wildfire constraints (e.g., CAL FIRE Forest Practice staff are out of the office responding to wildland fires; winter weather conditions prohibit access for field review);
- Quality and completeness of the information originally submitted;
- Number of questions generated by review team agency staff on the plan submitted, and/or the number of changes required of the RPF;
- Promptness of the submitter's response to questions or requests for changes;
- Size and complexity of the plan;
- Wildlife, water, traffic safety, and other issues raised by the public.

Some factors are under the control of the review team agencies, some in control of the submitter, and some are subject to the vagaries and seasonality of California's weather. Another major factor that can delay plan reviews is when a new wildlife species comes under candidacy or listing under the State or federal endangered species acts after a plan is already under review.

### **2.3.4 Review of Timber Harvest Permits for Filing**

The first step in CAL FIRE review of a THP (see Section 2) is screening it for completeness of specified required elements or precursor steps, such as notifying adjacent property owners. If these elements or steps have not been addressed, the plan is returned to the submitter for correction. Concerns have arisen at times that the rate of plan returns at this stage has been increasing. CalTREES is being designed to check for common THP filing errors and alert the submitter while they are entering their THP information into the system, thus reducing the likelihood of CAL FIRE having to reject a THP during review for filing. This error-checking can help to speed the overall process for the THP submitter. A previous version of this Report to the Legislature looked in detail at the reasons THPs were returned during filing during 2013-2016. The primary reason for THP

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<sup>2</sup> For a more detailed discussion of these factors, see the [Redding Pilot Project June 2014 Supplemental Report](#).



returns throughout the State in this period was a failure to meet the noticing requirements, which included the Notice of Intent (14 CCR § 1032.7), the request for information on domestic water supplies (14 CCR § 1032.10), and archaeology issues including the notification to Native Americans (14 CCR §§ 929.1, 949.1, and 969.1). These return issues are considered “fatal errors” when CAL FIRE reviews a THP for proper public notification.

When CalTREES is under full implementation, another analysis of the reasons that THPs are rejected for filing will be conducted. This analysis may help to show whether the error-checking tools built into CalTREES help to reduce the proportion of Plans returned during filing review.

### 2.3.4.1 THP Review Times

Table 17 provides THP and NTMP approval numbers, area in acres, and review times for FY 2019-2020. To provide more meaningful performance tracking, the data are broken out by the three regional CAL FIRE review team offices where plans are filed, based on the location of each plan. Each CAL FIRE office conducts separate administrative review processes for the plans it receives. Note, per the Forest Practice Act and Rules, the expected review period for THPs requiring a field inspection as part of the review process is 71 calendar days, without allowable extensions. The times provided in Table x include delays that are beyond the review team’s control, such as those due to weather (e.g. snow prohibits access for inspection purposes), delays in RPF response to questions from the review team, delays due to public comment, and delays due to sensitive species evaluations, etc. With some exceptions, the regulatory timelines provide for extensions to allow for additional review necessary due to extended field evaluation, the submission of additional information or a substantial amount of public comments.

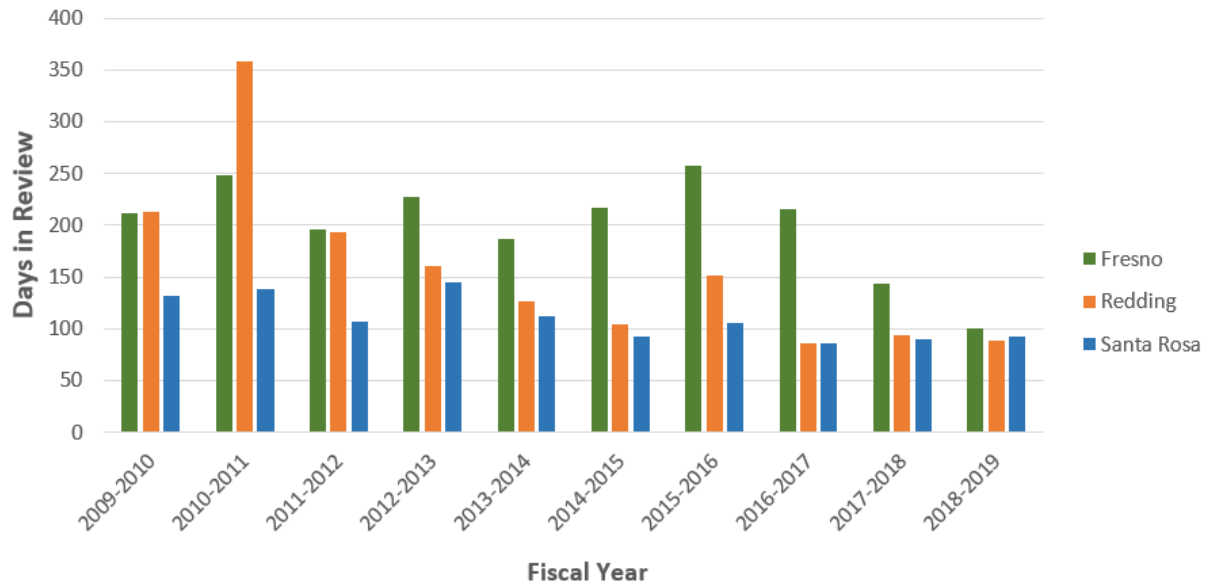
**Table 17. Approved Plan Review Time Statistics, by Review Team Office, FY 2019-20.**

Review Team Office	Plan Type	Number of Plans	Acres in Plans	Minimum Days in Review	Maximum Days in Review	Average Days in Review	Median Days in Review
<b>Fiscal Year 2019-2020</b>							
Santa Rosa	THP	131	35,059	49	269	89	99
	NTMP	10	2,716	73	184	132	120
Redding	THP	85	78,225	40	298	118	188
	NTMP	3	1,499	67	189	113	128
Fresno	THP	18	9,301	85	297	146	112
	NTMP	0	n/a	n/a	n/a	n/a	n/a

**Note:** The times provided in Table 17 include delays that are beyond the review team’s control, such as those due to weather (e.g. snow prohibits access), delays in RPF response to questions from the review team, delays due to public comment, and delays due to sensitive species evaluations, etc. Outliers have been removed to represent more accurate timeframes.

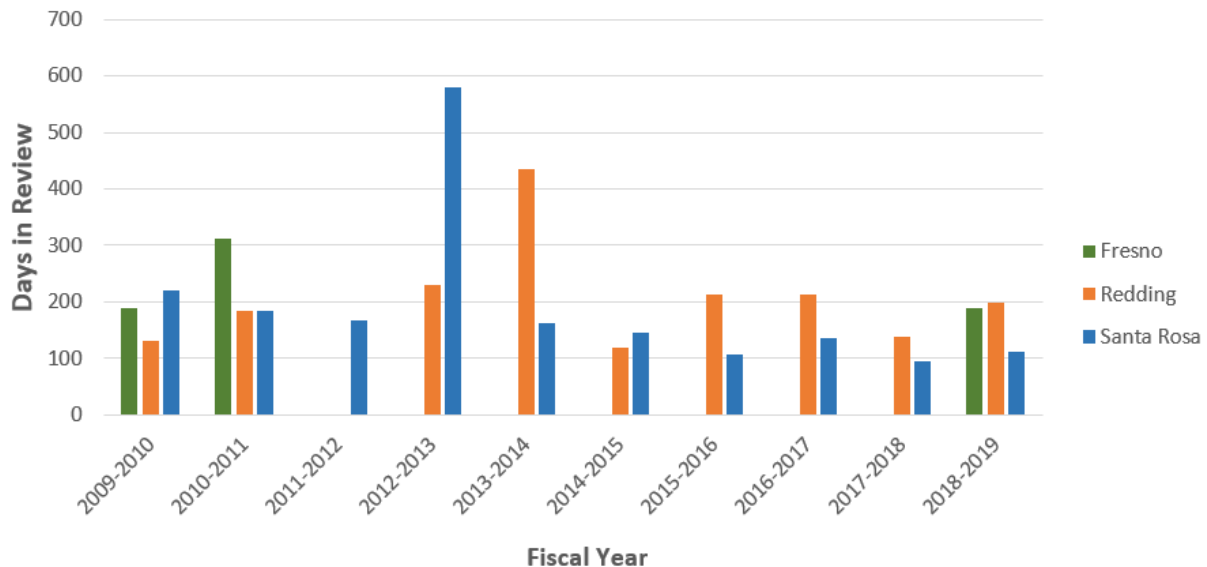


### Average THP Review Time



**Figure 1.** The times provided above include delays that are beyond the review team's control, such as those due to weather (e.g., snow prohibits access), delays in RPF response to questions from the review team, delays due to public comment, and delays due to sensitive species evaluations, etc. The last three fiscal years have had statistical outliers removed.

### Average NTMP Review Time



**Figure 2.** The times provided include delays that are beyond the review team's control, such as those due to weather (e.g. snow prohibits access), delays in RPF response to questions from the review team, delays due to public comment, and delays due to sensitive species evaluations, etc. The last three fiscal years have had statistical outliers removed.





CAL FIRE has provided the following explanation regarding THP average review times:

CAL FIRE and the other Review Team agencies faced new and significant challenges during FY 2019-20; some of which have continued into the current fiscal year. CAL FIRE review team offices faced closures due to the COVID-19 pandemic, resulting in a shift to remote harvest document processing. This was facilitated by the ability to process documents through the CalTREES system. Additionally, all offices faced a significant staffing 'draw-down' as staff were assigned to the multiple significant wildland fires across that State; including fireline assignments, GIS specialist assignments and Watershed Emergency Response Teams (WERTs). Again, our success in meeting statutory and regulatory timeframes can be attributed in part to our ability to shift plan review workloads through the CalTREES system.

In addition to these significant new challenges, CAL FIRE review team offices continue to respond to previously identified challenges to enhance efficiencies such as changes in regulation affecting plan review and shifting workloads across the various new harvest documents available, weather delays affecting field review, complex evaluations of species protection, the unpredictable workload increases resulting from the public's important role in plan review, delays in RPF response to questions from the review team and often related plan recirculation to address these complex issues, and conversion THPs that are dependent on local agency's processing of the necessary EIR. Despite new and recurring challenges, the review teams continue to show a steady long-term trend toward efficient plan review.

#### **2.3.4.2 NTMP Review Times**

Figure 2 and Table 17 show the average review time for NTMPs. The times are longer and more variable than THP review times for a number of reasons. NTMPs are non-expiring plans, often addressing an entire forest ownership of up to 2,500 acres. They are typically much larger and can be more complex than standard Timber Harvesting Plans, and hence take longer to review. Because of these characteristics, NTMPs have a longer regulatory review time than THPs. Also, there are far fewer NTMPs submitted each year than THPs. Given this complexity and the small numbers of plans, it is not surprising that there is greater variability of review times for NTMPs as compared to THPs. This variability is borne out by the pattern of bars in Figure x.

As the Program develops better administrative performance monitoring tools, the Program will be able to provide better insights on why harvesting permit



review times vary from year to year. Again, CalTREES in particular is intended to address this need.

### **2.3.4.3 Number of Field Inspections per CAL FIRE Inspector**

Table 18 provides information on the types and number of field inspections made by CAL FIRE, including the number of each inspection type made per inspector on an average basis. While the numbers correlate well with the numbers of harvest documents submitted by type (e.g., THPs, NTMPs, exemptions), the numbers here are further reflective of the discussion above regarding shifts in THP activity and the variability of use of Exemptions and Emergencies as new regulations are implemented and conditions change in the forested areas of the State (e.g., drought, wildfire, recovery).

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<b>Table 18. Number of Field Inspections made by CAL FIRE, FY 2011-12 through 2019-20.</b>									
<b>Harvest Document Type</b>	<b>Number/Average Number per Inspector</b>								
	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
Timber Harvesting Plans	2,533/44	2,315/41	1,969/36	1,590/22	1,522/21	1,384/22	1,489/25	1,186/24	1,535/24
Nonindustrial Timber Management Plans	358/6	318/6	331/6	340/5	381/5	370/6	325/5	293/7	232/7
Working Forest Management Plans	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6/1
Emergency Notices	138/2	332/6	329/6	359/5	519/7	417/6.6	371/6	387/14	435/20
Exemption Notices	1,307/23	1,508/26	1,238/23	1,274/17	1,938/26	1,951/31	1,497/25	1,056/22	1,237/23
Illegal Non-Permitted Activities	86/2	63/1	79/2	62/1	93/1	100/2	91/2	39/3	84/3
<b>Totals</b>	<b>4,422/77</b>	<b>4,536/80</b>	<b>3,946/73</b>	<b>3,625/50</b>	<b>4,453/69</b>	<b>4,222/67</b>	<b>3,773/63</b>	<b>2,961/70</b>	<b>3,529/78</b>



The average number of inspections over the period reflected in Table 18 is approximately 3550 total inspections over all harvest document types. As demonstrated in the table, there has been significant variability in the numbers and types of inspections conducted. CAL FIRE has suggested the variability in the number of inspections conducted may be due to periods of increased drought and fire activity due to the requirement for CAL FIRE inspectors to support fire control emergency response efforts. Also, despite staffing increases, new inspectors were required to complete extensive mandatory training requirements. Table 18 does indicate a general decline in the total number of inspections and the average number of inspections per inspector, which correlates well with the significant increases in fire activity across the State. There is also a likely correlation between periods of low inspection numbers and a similar reduction in the number of 'active' plans during that same period.

#### **2.3.4.4 Number of Active Plans and Acres under Active Plans**

Table 19 shows statistics on "active plans," which includes the universe of all approved plans that are available for operation in a given year. Plans that are available to be operated on are considered "active" regardless of whether any harvest activity actually occurs. Because AB 1492 increased the lifespan of THPs, this number may trend upward due to the fact that any given plan now can be operated over a longer period (up to 7 years instead of 5).

The number of acres under Exemption Notices (maximum of one-year operating life) is particularly large because landowners can place their entire property under an Exemption for removal of relatively small volumes (less than 10% of the average volume per acre) of dead and dying trees [14 CCR § 1038(b)] when compared to a THP or NTMP. This is compounded by overlapping fiscal years when reporting "active" plans.

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**Table 19. Number of Active<sup>1</sup> Plans and Acres<sup>2</sup> Covered by Plans, FY 2011-12 to 2018-19.**

Harvest Document Type	FY 2012-13		FY 2013-14		FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Timber Harvesting Plans	1,229	602,450	1,112	579,330	1,084	596,237	1,098	593,993	1,131	597,451	1,222	626,702	1,359	663,233	1,381	690,166
Nonindustrial Timber Management Plans <sup>3</sup>	757	312,498	771	318,963	772	319,264	781	323,444	794	328,406	808	332,656	820	333,471	827	333,584
NTMP Notice of Timber Operations <sup>3, 4</sup>	192	31,609	203	33,663	225	30,205	225	31,674	238	40,255	288	44,364	119	2,449	140	9,801
Emergency Notices <sup>4</sup>	363	52,778	380	83,524	382	98,085	456	91,638	302	42,455	268	29,414	492	57,788	441	62,085
Exemption Notices <sup>4</sup>	4,945	5,569,557	4,492	5,434,591	3,723	5,663,976	4,187	5,640,894	4,870	5,629,689	4,439	6,369,652	3,958	6,370,809	4,148	5,456,965
<b>Totals</b>	<b>7,486</b>	<b>6,568,892</b>	<b>6,958</b>	<b>6,450,071</b>	<b>6,186</b>	<b>6,707,767</b>	<b>6,747</b>	<b>6,681,643</b>	<b>7,335</b>	<b>6,638,256</b>	<b>7,025</b>	<b>6,702,308</b>	<b>6,748</b>	<b>7,427,750</b>	<b>6,937</b>	<b>6,552,601</b>

<sup>1</sup>An Active Plan is an approved plan that does not have an approved Final Completion Report or has not reached the statutory expiration date.

<sup>2</sup>Acres reported in documentation of record.

<sup>3</sup>NTMPs are not operational, but reflect potential operations. NTMP notices of operation (NTOs) better reflect operational activity on NTMPs; however, NTO acres may reflect total acres under an NTMP that is being operated on, not necessarily the *actual* number of acres operated.

<sup>4</sup>Valid for up to one year.

Note: The CAL FIRE Region offices have been entering the Expired date differently for several years. The implication is that a plan may have appeared to be active longer in the Redding and Fresno Office than in the Santa Rosa office.



### 3.3.4.5 Overall Accounting of Timber Fund Personnel Activities

CAL FIRE tracks the activity of all Timber Fund-funded staff using a Personnel Activity Report, or PAR, form. Staff complete and file the PAR form monthly. The top three activity areas for CAL FIRE involved reviewing and processing of THPs, conducting forest practice inspections, and mandatory training.

<b>Table 20. CAL FIRE Timber Fund Staff Activity Accounting, FY 2015-16 to FY 2019-20.</b>					
<b>Activity</b>	<b>Percent of Total Staff Time</b>				
	<b>FY 2015-16<sup>1</sup></b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>
Review and Processing of THPs	20.6	21.0	21.3	21.6	22.5
Conducting Forest Practice Inspections	20.0	22.6	19.5	21.3	26.1
Emergency Response	13.8	10.3	8.7	8.9	3.8
Participating in Mandated Training	10.2	7.8	11.0	10.7	7.5
Other Duties as Required	8.1	6.6	9.2	6.0	7
Supervising and Managing the Forest Practice Program	7.6	8.6	8.6	8.9	7.3
Processing and Managing Data Related to THPs	7.3	9.7	8.9	8.7	8.9
Other Forestry-Related Duties	6.8	8.4	7.5	7.8	11
Forest Practice Law Enforcement	2.2	2.4	2.8	2.9	3.4
Official Response/Public Records Act Requests	1.4	0.9	0.8	0.3	0.3
Program or Project Monitoring	0.9	0.8	1.0	1.2	1.3
Board of Forestry and Fire Protection Related	0.7	0.3	0.2	0.6	0.2
Ecological Performance	0.3	0.4	0.4	1.0	0.5
Litigation	0.2	0.2	0.1	0.2	0.2
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>



## **SILVICULTURAL SYSTEM DATA**

The data source for the following tables is the CAL FIRE Forest Practice GIS database, unless otherwise noted below (portions of table A-2). Acreage of plans or notices does not necessarily represent actual on-the-ground harvests. Acreage is calculated in GIS and does vary from the acreage reported in the document of record at times. The GIS source data can be downloaded from the CAL FIRE Forest Practice GIS Hub (<https://forest-practice-calfire-forestry.hub.arcgis.com/>).

**Disclaimer:** The State of California and the Department of Forestry & Fire Protection (CAL FIRE) make no representations or warranties regarding the accuracy of this data. Neither the State nor the Department shall be liable under any circumstances for any direct, special, incidental, or consequential damages with respect to any claim by any user or third party on account of or arising from the use of data.

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**Table A-1A. Description of Silvicultural Categories.**

Silvicultural Category	Silvicultural Method
<b>Clearcut</b>	Clearcut
<b>Conversion</b>	Conversion to non-timberland (does not include less-than-three-acre conversions covered by exemptions)
<b>Evenaged Management (no Clearcut)</b>	Multi-staged management over time, including: Seed Tree Seed Step, Seed Tree Removal Step, Shelterwood Preparatory Step, Shelterwood Seed Step, Shelterwood Removal Step
<b>Unevenaged Management</b>	Selection, Group Selection, Transition
<b>Intermediate Treatments</b>	Commercial Thinning, Sanitation-Salvage
<b>Special Prescriptions and Other Management</b>	Special Treatment Areas, Rehabilitation of Understocked Areas, Fuelbreak/Defensible Space, Variable Retention, Aspen/Meadow/Wet Area Restoration

Note: Alternative Prescriptions are categorized with the closest appropriate silviculture as stated in the plan of record.





Table A-1B. Active Timber Harvesting Plan Acres by Silvicultural Treatment, FY 2019-20.

County	Timberland Conversion	Special Prescriptions & Other Management	Clear-cut	Evenaged Management (No Clearcut)	Intermediate Treatments	No Harvest Area	Road Right-of-Way	Unevenaged Management	Total
Alpine	16	6	0	0	0	0	0	0	22
Amador	0	761	1,175	187	262	235	6	386	3,012
Butte	0	2,358	7,351	1,522	3,481	78	78	3,585	18,453
Calaveras	0	2,145	4,109	178	519	1,480	31	1,184	9,646
Del Norte	0	9	7,203	272	3,042	1,477	81	3,736	15,820
El Dorado	136	4,639	4,622	1,435	2,023	710	23	4,567	18,155
Fresno	48	0	0	0	0	570	0	5,739	6,357
Humboldt	19	5,412	23,872	1,662	10,924	7,659	271	35,759	85,578
Kern	0	0	0	0	246	0	0	1,033	1,279
Lake	17	0	0	0	0	22	0	282	321
Lassen	0	1,528	11,559	5,816	7,331	468	162	42,048	68,912
Madera	0	20	0	0	0	0	0	295	315
Mariposa	31	0	0	0	0	5	0	835	871
Mendocino	17	11,008	1,437	5,870	442	991	37	62,671	82,473
Modoc	0	1,383	6,972	191	0	289	24	25,209	34,068
Napa	76	0	0	0	0	5	0	48	129
Nevada	129	515	1,031	922	1,700	619	3	2,766	7,685
Placer	0	835	2,022	437	5,476	456	0	4,958	14,184
Plumas	0	2,440	7,216	3,431	5,210	748	65	35,892	55,002
San Mateo	106	82	16	0	0	112	2	3,694	4,012
Santa Clara	0	0	0	0	0	0	0	402	402
Santa Cruz	3	0	0	0	0	7	0	4,103	4,113

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<b>Shasta</b>	13	1,662	23,711	2,176	10,596	1,277	161	53,701	93,297
<b>Sierra</b>	0	913	1,052	752	5,052	2,095	0	8,374	18,238
<b>Siskiyou</b>	167	496	24,463	10,043	9,090	3,567	92	26,358	74,276
<b>Sonoma</b>	0	0	448	125	0	61	1	2,894	3,529
<b>Tehama</b>	0	2,665	7,655	3,903	2,941	875	33	13,569	31,641
<b>Trinity</b>	0	935	8,231	1,592	1,272	127	77	5,086	17,320
<b>Tuolumne</b>	0	614	3,841	688	145	2,205	2	841	8,336
<b>Yuba</b>	36	87	1,375	1,228	2,281	8	0	2,858	7,873
<b>Statewide</b>	814	40,513	149,361	42,430	72,033	26,146	1,149	352,873	685,319

Note: Counties which had zero Timber Harvesting Plan acreage in the include silvicultural categories during the 2019-20 FY, and are not represented in tables A-1B or A-1C include: Alameda, Colusa, Contra Costa, Glenn, Imperial, Inyo, Kings, Los Angeles, Marin, Merced, Mono, Monterey, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, Santa Barbara, Solano, Stanislaus, Sutter, Tulare, Ventura, and Yolo counties.



**Table A-1C. Active Timber Harvesting Plan Acres by Silvicultural Treatment Area as a Percent of Total Acres under Plans, FY 2019-20.**

County	Timberland Conversion	Special Prescriptions & Other Management	Clear-cut	Evenaged Management (No Clearcut)	Intermediate Treatments	No Harvest Area	Road Right-of-Way	Unevenaged Management	Total
Alpine	72.70%	27.30%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Amador	0.00%	25.30%	39.0%	6.20%	8.70%	7.80%	0.20%	12.80%	100.00%
Butte	0.00%	12.80%	39.8%	8.20%	18.90%	0.40%	0.40%	19.40%	100.00%
Calaveras	0.00%	22.20%	42.6%	1.80%	5.40%	15.30%	0.30%	12.30%	100.00%
Del Norte	0.00%	0.10%	45.5%	1.70%	19.20%	9.30%	0.50%	23.60%	100.00%
El Dorado	0.70%	25.60%	25.5%	7.90%	11.10%	3.90%	0.10%	25.20%	100.00%
Fresno	0.80%	0.00%	0.0%	0.00%	0.00%	9.00%	0.00%	90.30%	100.00%
Humboldt	0.00%	6.30%	27.9%	1.90%	12.80%	8.90%	0.30%	41.80%	100.00%
Kern	0.00%	0.00%	0.0%	0.00%	19.20%	0.00%	0.00%	80.80%	100.00%
Lake	5.30%	0.00%	0.0%	0.00%	0.00%	6.90%	0.00%	87.90%	100.00%
Lassen	0.00%	2.20%	16.8%	8.40%	10.60%	0.70%	0.20%	61.00%	100.00%
Madera	0.00%	6.30%	0.0%	0.00%	0.00%	0.00%	0.00%	93.70%	100.00%
Mariposa	3.60%	0.00%	0.0%	0.00%	0.00%	0.60%	0.00%	95.90%	100.00%
Mendocino	0.00%	13.30%	1.7%	7.10%	0.50%	1.20%	0.00%	76.00%	100.00%
Modoc	0.00%	4.10%	20.5%	0.60%	0.00%	0.80%	0.10%	74.00%	100.00%
Napa	58.90%	0.00%	0.0%	0.00%	0.00%	3.90%	0.00%	37.20%	100.00%
Nevada	1.70%	6.70%	13.4%	12.00%	22.10%	8.10%	0.00%	36.00%	100.00%
Placer	0.00%	5.90%	14.3%	3.10%	38.60%	3.20%	0.00%	35.00%	100.00%
Plumas	0.00%	4.40%	13.1%	6.20%	9.50%	1.40%	0.10%	65.30%	100.00%
San Mateo	2.60%	2.00%	0.4%	0.00%	0.00%	2.80%	0.00%	92.10%	100.00%

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<b>Santa Clara</b>	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%
<b>Santa Cruz</b>	0.10%	0.00%	0.0%	0.00%	0.00%	0.20%	0.00%	99.80%	100.00%
<b>Shasta</b>	0.00%	1.80%	25.4%	2.30%	11.40%	1.40%	0.20%	57.60%	100.00%
<b>Sierra</b>	0.00%	5.00%	5.8%	4.10%	27.70%	11.50%	0.00%	45.90%	100.00%
<b>Siskiyou</b>	0.20%	0.70%	32.9%	13.50%	12.20%	4.80%	0.10%	35.50%	100.00%
<b>Sonoma</b>	0.00%	0.00%	12.7%	3.50%	0.00%	1.70%	0.00%	82.00%	100.00%
<b>Tehama</b>	0.00%	8.40%	24.2%	12.30%	9.30%	2.80%	0.10%	42.90%	100.00%
<b>Trinity</b>	0.00%	5.40%	47.5%	9.20%	7.30%	0.70%	0.40%	29.40%	100.00%
<b>Tuolumne</b>	0.00%	7.40%	46.1%	8.30%	1.70%	26.50%	0.00%	10.10%	100.00%
<b>Yuba</b>	0.50%	1.10%	17.5%	15.60%	29.00%	0.10%	0.00%	36.30%	100.00%
<b>Statewide</b>	0%	6%	22%	6%	11%	4%	0%	52%	100%



**Table A-2. Acreage of Approved Timber Harvesting Plans Submitted to the Department of Forestry and Fire Protection since July 1st, 2015 by County and Silviculture.**

County/Silvicultural Treatment	FY	FY	FY	FY	FY	5-Year Total	Non-Federal Timberland (acres)	Total Area of County (acres)	% of County in Non-Federal Timberland	% of Non-Federal Timberland Harvested 7/2015 through 6/2020
	2015/16	2016/17	2017/18	2018/19	2019/20					
<b>Amador</b>	<b>116</b>	<b>0</b>	<b>0</b>	<b>204</b>	<b>994</b>	<b>1,314</b>	<b>90,509</b>	<b>387,010</b>	<b>23.40%</b>	<b>1.45%</b>
Clearcut	0	0	0	0	221	221	-	-	-	0.24%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	116	0	0	0	0	116	-	-	-	0.13%
Intermediate	0	0	0	0	128	128	-	-	-	0.14%
Special Prescriptions (no Conversion)	0	0	0	0	628	628	-	-	-	0.69%
Unevenaged	0	0	0	204	17	221	-	-	-	0.24%
<b>Butte</b>	<b>4,453</b>	<b>3,178</b>	<b>2,041</b>	<b>842</b>	<b>157</b>	<b>10,671</b>	<b>239,642</b>	<b>1,073,340</b>	<b>22.30%</b>	<b>4.45%</b>
Clearcut	1,965	1,239	1,036	347	151	4,737	-	-	-	1.98%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	120	178	169	278	0	745	-	-	-	0.31%
Intermediate	911	510	176	12	7	1,615	-	-	-	0.67%
Special Prescriptions (no Conversion)	931	605	67	119	0	1,723	-	-	-	0.72%
Unevenaged	526	646	592	86	0	1,850	-	-	-	0.77%
<b>Calaveras</b>	<b>584</b>	<b>0</b>	<b>569</b>	<b>661</b>	<b>988</b>	<b>2,803</b>	<b>148,321</b>	<b>663,550</b>	<b>22.40%</b>	<b>1.89%</b>
Clearcut	0	0	251	376	238	865	-	-	-	0.58%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	0	45	50	0	95	-	-	-	0.06%

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Intermediate	54	0	128	57	22	261	-	-	-	0.18%
Special Prescriptions (no Conversion)	0	0	18	87	461	566	-	-	-	0.38%
Unevenaged	530	0	127	92	267	1,016	-	-	-	0.68%
<b>Del Norte</b>	<b>3,617</b>	<b>4,146</b>	<b>1,402</b>	<b>3,863</b>	<b>3,069</b>	<b>16,097</b>	<b>140,045</b>	<b>787,010</b>	<b>17.80%</b>	<b>11.49%</b>
Clearcut	1,243	1,695	731	2,545	1,724	7,938	-	-	-	5.67%
Conversion	25	0	0	0	0	25	-	-	-	0.02%
Evenaged (no Clearcut)	106	44	0	117	6	273	-	-	-	0.19%
Intermediate	1,705	1,016	293	295	700	4,009	-	-	-	2.86%
Special Prescriptions (no Conversion)	0	0	0	0	10	10	-	-	-	0.01%
Unevenaged	538	1,391	378	906	630	3,842	-	-	-	2.74%
<b>El Dorado</b>	<b>406</b>	<b>459</b>	<b>4,820</b>	<b>2,894</b>	<b>5,309</b>	<b>13,888</b>	<b>217,788</b>	<b>1,144,320</b>	<b>19.00%</b>	<b>6.38%</b>
Clearcut	5	31	1,724	567	1,407	3,735	-	-	-	1.72%
Conversion	0	101	0	0	35	137	-	-	-	0.06%
Evenaged (no Clearcut)	31	85	559	296	44	1,015	-	-	-	0.47%
Intermediate	52	0	767	168	510	1,496	-	-	-	0.69%
Special Prescriptions (no Conversion)	9	9	754	1,543	2,020	4,335	-	-	-	1.99%
Unevenaged	309	233	1,017	320	1,293	3,170	-	-	-	1.46%
<b>Humboldt</b>	<b>15,044</b>	<b>14,628</b>	<b>12,539</b>	<b>12,985</b>	<b>13,465</b>	<b>68,662</b>	<b>1,087,509</b>	<b>2,593,410</b>	<b>41.90%</b>	<b>6.31%</b>
Clearcut	5,139	4,620	5,009	3,705	3,521	21,994	-	-	-	2.02%
Conversion	0	0	0	14	0	14	-	-	-	0.00%
Evenaged (no Clearcut)	649	34	4	55	7	749	-	-	-	0.07%
Intermediate	2,704	2,298	1,917	686	2,099	9,703	-	-	-	0.89%
Special Prescriptions (no Conversion)	744	1,073	1,205	446	943	4,411	-	-	-	0.41%
Unevenaged	5,809	6,604	4,404	8,080	6,895	31,792	-	-	-	2.92%
<b>Lake</b>	<b>0</b>	<b>0</b>	<b>223</b>	<b>17</b>	<b>0</b>	<b>240</b>	<b>52,940</b>	<b>850,880</b>	<b>6.20%</b>	<b>0.45%</b>
Clearcut	0	0	0	0	0	0	-	-	-	0.00%

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Conversion	0	0	0	17	0	17	-	-	-	0.03%
Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	0	0	0	-	-	-	0.00%
Unevenaged	0	0	223	0	0	223	-	-	-	0.42%
<b>Lassen</b>	<b>7,304</b>	<b>4,068</b>	<b>10,388</b>	<b>6,913</b>	<b>23,852</b>	<b>52,525</b>	<b>350,194</b>	<b>3,021,050</b>	<b>11.60%</b>	<b>15.00%</b>
Clearcut	551	719	2,748	1,142	2,662	7,823	-	-	-	2.23%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	837	0	657	0	1,390	2,884	-	-	-	0.82%
Intermediate	3,520	0	931	217	1,058	5,726	-	-	-	1.64%
Special Prescriptions (no Conversion)	199	12	186	266	773	1,436	-	-	-	0.41%
Unevenaged	2,196	3,338	5,866	5,287	17,969	34,656	-	-	-	9.90%
<b>Madera</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>315</b>	<b>0</b>	<b>315</b>	<b>12,773</b>	<b>1,378,180</b>	<b>0.90%</b>	<b>2.47%</b>
Clearcut	0	0	0	0	0	0	-	-	-	0.00%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	20	0	20	-	-	-	0.16%
Unevenaged	0	0	0	295	0	295	-	-	-	2.31%
<b>Mariposa</b>	<b>0</b>	<b>41</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>59,217</b>	<b>936,190</b>	<b>6.30%</b>	<b>0.09%</b>
Clearcut	0	0	0	0	0	0	-	-	-	0.00%
Conversion	0	17	15	0	0	32	-	-	-	0.05%
Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	0	0	0	-	-	-	0.00%
Unevenaged	0	24	0	0	0	24	-	-	-	0.04%

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<b>Mendocino</b>	<b>14,472</b>	<b>16,212</b>	<b>15,331</b>	<b>12,389</b>	<b>14,121</b>	<b>72,524</b>	<b>1,107,838</b>	<b>2,482,050</b>	<b>44.60%</b>	<b>6.55%</b>
Clearcut	536	477	355	167	108	1,642	-	-	-	0.15%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	537	1,245	924	19	110	2,834	-	-	-	0.26%
Intermediate	0	21	343	37	0	401	-	-	-	0.04%
Special Prescriptions (no Conversion)	2,992	1,660	1,152	1,632	1,743	9,180	-	-	-	0.83%
Unevenaged	10,407	12,809	12,556	10,534	12,160	58,467	-	-	-	5.28%
<b>Modoc</b>	<b>1,256</b>	<b>484</b>	<b>1,222</b>	<b>6,813</b>	<b>1,782</b>	<b>11,558</b>	<b>265,413</b>	<b>2,690,170</b>	<b>9.90%</b>	<b>4.35%</b>
Clearcut	751	484	184	1,392	1,664	4,476	-	-	-	1.69%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	0	0	130	0	130	-	-	-	0.05%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	291	0	0	96	118	505	-	-	-	0.19%
Unevenaged	215	0	1,038	5,194	0	6,447	-	-	-	2.43%
<b>Napa</b>	<b>100</b>	<b>0</b>	<b>16</b>	<b>9</b>	<b>0</b>	<b>125</b>	<b>62,739</b>	<b>504,450</b>	<b>12.40%</b>	<b>0.20%</b>
Clearcut	0	0	0	0	0	0	-	-	-	0.00%
Conversion	51	0	16	9	0	76	-	-	-	0.12%
Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	0	0	0	-	-	-	0.00%
Unevenaged	48	0	0	0	0	48	-	-	-	0.08%
<b>Nevada</b>	<b>1,626</b>	<b>239</b>	<b>641</b>	<b>2,270</b>	<b>1,118</b>	<b>5,893</b>	<b>176,119</b>	<b>623,680</b>	<b>28.20%</b>	<b>3.35%</b>
Clearcut	118	64	129	180	246	737	-	-	-	0.42%
Conversion	79	5	64	17	5	170	-	-	-	0.10%
Evenaged (no Clearcut)	221	8	37	242	339	848	-	-	-	0.48%
Intermediate	131	98	293	932	177	1,631	-	-	-	0.93%



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Special Prescriptions (no Conversion)	59	0	2	27	185	273	-	-	-	0.15%
Unevenaged	1,018	64	116	870	166	2,234	-	-	-	1.27%
<b>Placer</b>	<b>587</b>	<b>4,285</b>	<b>64</b>	<b>2,815</b>	<b>1,507</b>	<b>9,257</b>	<b>146,102</b>	<b>961,800</b>	<b>15.20%</b>	<b>6.34%</b>
Clearcut	0	144	0	911	79	1,134	-	-	-	0.78%
Conversion	35	60	0	0	0	95	-	-	-	0.07%
Evenaged (no Clearcut)	187	38	32	28	64	350	-	-	-	0.24%
Intermediate	325	1,317	0	1,179	141	2,962	-	-	-	2.03%
Special Prescriptions (no Conversion)	0	77	12	395	363	848	-	-	-	0.58%
Unevenaged	40	2,649	19	301	860	3,869	-	-	-	2.65%
<b>Plumas</b>	<b>7,670</b>	<b>10,723</b>	<b>9,095</b>	<b>11,701</b>	<b>4,147</b>	<b>43,337</b>	<b>362,611</b>	<b>1,672,640</b>	<b>21.70%</b>	<b>11.95%</b>
Clearcut	1,484	1,124	2,086	719	1,365	6,777	-	-	-	1.87%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	1,586	270	2	176	107	2,140	-	-	-	0.59%
Intermediate	646	446	1,828	726	0	3,647	-	-	-	1.01%
Special Prescriptions (no Conversion)	659	201	922	81	397	2,261	-	-	-	0.62%
Unevenaged	3,295	8,682	4,258	9,999	2,278	28,512	-	-	-	7.86%
<b>San Mateo</b>	<b>2,912</b>	<b>286</b>	<b>46</b>	<b>421</b>	<b>17</b>	<b>3,682</b>	<b>45,134</b>	<b>474,240</b>	<b>9.50%</b>	<b>8.16%</b>
Clearcut	0	0	0	0	17	17	-	-	-	0.04%
Conversion	0	106	0	0	0	106	-	-	-	0.24%
Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	75	2	6	0	0	83	-	-	-	0.18%
Unevenaged	2,837	178	40	421	0	3,477	-	-	-	7.70%
<b>Santa Clara</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>402</b>	<b>402</b>	<b>10,073</b>	<b>834,560</b>	<b>1.20%</b>	<b>3.99%</b>
Clearcut	0	0	0	0	0	0	-	-	-	0.00%
Conversion	0	0	0	0	0	0	-	-	-	0.00%

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Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	0	0	0	-	-	-	0.00%
Unevenaged	0	0	0	0	402	402	-	-	-	3.99%
<b>Santa Cruz</b>	<b>1,056</b>	<b>64</b>	<b>711</b>	<b>903</b>	<b>1,424</b>	<b>4,158</b>	<b>144,737</b>	<b>388,550</b>	<b>37.30%</b>	<b>2.87%</b>
Clearcut	0	0	0	0	0	0	-	-	-	0.00%
Conversion	0	2	0	0	1	3	-	-	-	0.00%
Evenaged (no Clearcut)	0	0	0	0	0	0	-	-	-	0.00%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	0	0	0	-	-	-	0.00%
Unevenaged	1,056	62	711	903	1,423	4,154	-	-	-	2.87%
<b>Shasta</b>	<b>15,055</b>	<b>9,804</b>	<b>13,470</b>	<b>11,674</b>	<b>20,770</b>	<b>70,773</b>	<b>707,865</b>	<b>2,462,340</b>	<b>28.70%</b>	<b>10.00%</b>
Clearcut	4,904	3,779	3,979	3,523	1,988	18,173	-	-	-	2.57%
Conversion	13	0	0	0	0	13	-	-	-	0.00%
Evenaged (no Clearcut)	778	0	575	113	0	1,466	-	-	-	0.21%
Intermediate	3,887	12	1,934	1,907	142	7,882	-	-	-	1.11%
Special Prescriptions (no Conversion)	162	120	177	103	521	1,083	-	-	-	0.15%
Unevenaged	5,311	5,893	6,806	6,027	18,119	42,156	-	-	-	5.96%
<b>Sierra</b>	<b>0</b>	<b>3,314</b>	<b>2,589</b>	<b>1,940</b>	<b>1,281</b>	<b>9,125</b>	<b>84,682</b>	<b>615,680</b>	<b>13.80%</b>	<b>10.78%</b>
Clearcut	0	15	64	0	371	451	-	-	-	0.53%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	328	61	0	28	417	-	-	-	0.49%
Intermediate	0	342	1,418	1,375	515	3,650	-	-	-	4.31%
Special Prescriptions (no Conversion)	0	327	5	397	3	733	-	-	-	0.87%
Unevenaged	0	2,301	1,042	168	364	3,875	-	-	-	4.58%
<b>Siskiyou</b>	<b>9,878</b>	<b>8,571</b>	<b>9,685</b>	<b>10,585</b>	<b>13,633</b>	<b>52,352</b>	<b>699,892</b>	<b>4,062,400</b>	<b>17.20%</b>	<b>7.48%</b>

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Clearcut	3,975	3,148	3,819	4,793	3,609	19,343	-	-	-	2.76%
Conversion	0	0	0	148	19	167	-	-	-	0.02%
Evenaged (no Clearcut)	1,555	1,439	1,302	542	1,255	6,095	-	-	-	0.87%
Intermediate	1,250	902	1,437	253	3,142	6,985	-	-	-	1.00%
Special Prescriptions (no Conversion)	124	87	133	13	122	479	-	-	-	0.07%
Unevenaged	2,974	2,994	2,994	4,835	5,486	19,283	-	-	-	2.76%
<b>Sonoma</b>	<b>766</b>	<b>617</b>	<b>631</b>	<b>915</b>	<b>228</b>	<b>3,157</b>	<b>286,050</b>	<b>1,131,650</b>	<b>25.30%</b>	<b>1.10%</b>
Clearcut	90	86	243	40	76	534	-	-	-	0.19%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	0	57	0	0	57	-	-	-	0.02%
Intermediate	0	0	0	0	0	0	-	-	-	0.00%
Special Prescriptions (no Conversion)	0	0	0	0	0	0	-	-	-	0.00%
Unevenaged	676	532	331	875	152	2,566	-	-	-	0.90%
<b>Tehama</b>	<b>2,770</b>	<b>3,988</b>	<b>7,678</b>	<b>5,567</b>	<b>4,560</b>	<b>24,564</b>	<b>216,458</b>	<b>1,895,870</b>	<b>11.40%</b>	<b>11.35%</b>
Clearcut	0	1,330	1,506	2,800	1,153	6,790	-	-	-	3.14%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	0	0	0	193	193	-	-	-	0.09%
Intermediate	0	0	384	0	37	421	-	-	-	0.19%
Special Prescriptions (no Conversion)	1,138	204	20	342	299	2,004	-	-	-	0.93%
Unevenaged	1,633	2,454	5,768	2,425	2,878	15,157	-	-	-	7.00%
<b>Trinity</b>	<b>1,145</b>	<b>2,164</b>	<b>7,484</b>	<b>1,674</b>	<b>2,924</b>	<b>15,390</b>	<b>377,398</b>	<b>2,052,800</b>	<b>18.40%</b>	<b>4.08%</b>
Clearcut	877	1,636	3,089	533	1,908	8,044	-	-	-	2.13%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	21	354	421	19	44	859	-	-	-	0.23%
Intermediate	0	0	310	656	307	1,273	-	-	-	0.34%
Special Prescriptions (no Conversion)	19	67	189	12	223	511	-	-	-	0.14%

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Unevenaged	228	106	3,474	454	441	4,704	-	-	-	1.25%
<b>Tuolumne</b>	<b>1,107</b>	<b>254</b>	<b>993</b>	<b>399</b>	<b>1,719</b>	<b>4,472</b>	<b>106,256</b>	<b>1,455,560</b>	<b>7.30%</b>	<b>4.21%</b>
Clearcut	961	0	755	206	1,044	2,966	-	-	-	2.79%
Conversion	0	0	0	0	0	0	-	-	-	0.00%
Evenaged (no Clearcut)	0	219	34	28	104	385	-	-	-	0.36%
Intermediate	40	0	42	0	31	113	-	-	-	0.11%
Special Prescriptions (no Conversion)	34	4	96	79	402	614	-	-	-	0.58%
Unevenaged	72	31	67	86	138	395	-	-	-	0.37%
<b>Yuba</b>	<b>0</b>	<b>612</b>	<b>196</b>	<b>1,386</b>	<b>22</b>	<b>2,216</b>	<b>57,713</b>	<b>411,970</b>	<b>14.00%</b>	<b>3.84%</b>
Clearcut	0	169	97	404	0	670	-	-	-	1.16%
Conversion	0	0	37	0	0	37	-	-	-	0.06%
Evenaged (no Clearcut)	0	0	37	29	22	87	-	-	-	0.15%
Intermediate	0	21	0	365	0	386	-	-	-	0.67%
Special Prescriptions (no Conversion)	0	0	0	31	0	31	-	-	-	0.05%
Unevenaged	0	422	25	557	0	1,005	-	-	-	1.74%
<b>Statewide</b>	<b>91,924</b>	<b>88,136</b>	<b>101,850</b>	<b>100,155</b>	<b>117,488</b>	<b>499,554</b>	<b>7,398,771</b>	<b>68,377,870</b>	<b>10.80%</b>	<b>6.75%</b>

Note: Data sources are the CAL FIRE Forest Practice GIS database (silvicultural acres), USDA Forest Service Forest Inventory and Analysis Program 2013 database (nonfederal timberland acreage), and the California Statistical Abstract (county acres). Plan acres for Road Right of Way (1,057 acres) and No Harvest Areas (18,863 acres) are omitted to reduce table size. Additionally, 130 acres of uncategorized Alternative Prescription silviculture (Humboldt County) are not included.

Counties with zero acres of approved Timber Harvesting Plans in last 5 fiscal years and not represented in table include: Alameda, Colusa, Contra Costa, Glenn, Imperial, Inyo, Kern, Kings, Los Angeles, Merced, Mono, Orange, Riverside, Sacramento, San Benito, San Diego, San Francisco, San Joaquin, San Luis Obispo, Santa Barbara, Solano, Stanislaus, Sutter, Tehama, Ventura, and Yolo counties.

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Table A-3. Number and Acreage of Exemption Notices, by County and Notice Type, FY 2019-20.

County	Christmas Tree §1038(a) & Fuelwood, Split Products §1038(b)		Dead Dying Diseased §1038(b)		Drought Mortality §1038(k)		Fire Hazard - 150FT §1038(c)		Fire Hazard - 300FT §1038(c)		Forest Fire Prevention §1038(i)		Less Than 3-Acre Conversion		Oak Woodlands Management §1038(l)		Post Fire Recovery §1038(m)		Slash Removal §1038(g)		Small Timberland Owner §1038(f)		Substantially Damaged Timberland §1038(d)		Utility Right-of-Way, Public Agency §1038.2		Total Sum of Exemption Notices FY 19-20		
	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	
Alpine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Amador	5	3	50,481	1	0	0	8	6	2	1	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	43,379	13	93,877	26
Butte	350	9	141,093	15	0	0	45	48	12	5	1	1	1	1	0	0	740	439	0	0	0	0	0	0	0	37,186	27	179,428	545
Calaveras	312	7	52,032	1	0	0	9	9	0	0	0	0	7	13	0	0	0	0	0	0	0	0	0	0	0	64,191	20	116,552	50
Del Norte	0	0	162,850	1	0	0	7	3	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	31	2	162,892	11
El Dorado	54,651	7	3,692	3	0	0	25	19	1	1	0	0	9	5	0	0	0	0	0	0	0	0	0	0	0	94,429	32	152,807	67
Fresno	0	0	18,159	1	2,495	12	0	0	0	0	0	0	0	0	0	0	0	0	3	14	0	0	274	2	27,516	5	48,447	34	
Humboldt	34,428	18	224,764	10	62	1	75	42	27	7	957	17	45	14	166	7	0	0	0	0	0	0	0	0	0	11,690	12	272,215	128
Kern	5	1	0	0	190	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	2
Lake	3,445	10	0	0	0	0	4	2	0	0	0	0	10	3	0	0	0	0	0	0	0	0	0	0	0	23,332	4	26,791	19
Lassen	450	11	196,289	7	0	0	63	113	5	1	168	2	0	0	0	0	0	0	0	0	0	0	0	0	0	113	2	197,088	136
Madera	192	4	0	0	35	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30,033	8	30,261	14
Marin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	729	1	0	0	0	0	0	729	1	729	1
Mariposa	212	3	2,401	1	513	7	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	10	1	19,979	2	23,117	18	
Mendocino	910	4	718	1	0	0	20	10	12	2	149	2	14	7	0	0	0	4	1	15	1	0	0	0	11,507	7	13,349	35	
Modoc	8,469	35	110,139	3	0	0	0	0	0	0	47	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118,655	39
Mono	60	1	257	1	0	0	7	1	0	0	49	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	373	4
Monterey	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	10	2
Napa	0	0	0	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	14,646	3	14,653	5
Nevada	95,910	53	7,789	3	91	2	232	160	23	4	77	2	80	42	0	0	0	0	0	15	1	0	0	0	0	77,937	41	182,154	308
Placer	106,434	14	149	3	112	1	35	21	9	2	502	2	10	6	0	0	0	0	0	0	0	0	0	0	0	55,598	34	162,848	83
Plumas	15,755	18	148,695	17	0	0	48	53	17	4	376	4	37	36	0	0	0	0	0	0	0	0	0	0	0	767	4	165,695	136
San Bernardino	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
San Mateo	1	1	0	0	0	0	17	2	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,894	4	10,932	9
Santa Clara	0	0	0	0	0	0	1	2	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	81	1	86	4
Santa Cruz	1,744	7	0	0	0	0	32	31	1	1	0	0	12	6	0	0	0	0	0	0	78	2	0	0	0	451	5	2,318	52
Shasta	107,059	66	436,359	12	0	0	54	17	31	6	353	3	8	4	0	0	0	0	0	13	1	0	0	0	0	11,451	22	555,329	131
Sierra	107,338	14	2,578	2	106	2	3	3	0	331	1	5	3	0	0	0	0	0	0	0	0	0	0	0	0	585	4	110,947	29
Siskiyou	97,401	31	161,596	9	2,366	12	18	10	24	5	546	5	16	5	0	0	0	976	2	23	1	0	0	0	33	1	263,001	81	
Sonoma	1,025	2	6,180	2	0	0	14	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	76,728	29	83,947	42
Tehama	135,821	2	87,584	6	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223,406	9
Trinity	82,284	15	19,163	5	0	0	14	12	5	4	237	2	65	34	111	1	0	0	0	15	1	0	0	0	0	307	5	102,204	79
Tulare	2	1	0	0	131	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	137	6
Tuolumne	969	8	6	1	2,844	4	36	12	2	1	0	0	2	1	0	0	0	0	0	0	0	0	33	2	44,410	20	48,303	49	
Yuba	8,145	14	17,917	4	0	0	19	12	0	0	941	4	6	4	0	0	0	90	1	0	0	0	0	0	0	18,558	4	45,676	43
Statewide	863,378	360	1,850,894	109	8,945	47	795	599	189	46	4,733	47	348	199	278	8	740	439	1,073	18	159	7	317	5	676,611	315	3,408,460	2,199	

Note: Section (§) numbers in the column headings refer to the Forest Practice Rule.

Counties which had zero timber harvest-related exemption notices in FY 19-20 are not represented in table and include:

Alameda, Colusa, Contra Costa, Glenn, Imperial, Inyo, Kern, Kings, Los Angeles, Merced, Mono, Orange, Riverside, Sacramento, San Benito, San Diego, San Francisco, San Joaquin, San Luis Obispo, Santa Barbara, Solano, Stanislaus, Sutter, Tehama, Ventura, and Yolo counties.



**Table A-4. Number and Acreage of Accepted Emergency Notices, by County and Notice Type, FY 2019-20.**

County	Drought §1052.1 (effective 2015)		Fire §1052.1		Fuel Hazard Reduction §1052.4		Insect §1052.3		Road Construction and Repair		All Emergency Notices Accepted by the Department	
	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count
Butte	0	0	1,783	32	189	3	0	0	0	0	1,972	35
Calaveras	0	0	0	0	1,755	4	0	0	1	1	1,757	5
El Dorado	0	0	0	0	624	3	0	0	0	0	624	3
Fresno	117	1	0	0	390	3	0	0	0	0	507	4
Lake	0	0	655	6	0	0	0	0	0	0	655	6
Mariposa	0	0	206	1	0	0	0	0	0	0	206	1
Napa	0	0	34	1	0	0	0	0	0	0	34	1
Nevada	0	0	0	0	24	2	0	0	0	0	24	2
Placer	0	0	0	0	29	1	0	0	0	0	29	1
Shasta	62	1	8,075	53	183	3	0	0	0	0	8,320	57
Siskiyou	1,478	7	664	8	289	1	0	0	0	0	2,431	16
Sonoma	0	0	132	5	0	0	0	0	0	0	132	5
Trinity	0	0	1,781	11	0	0	137	2	0	0	1,918	13
<b>Statewide</b>	<b>1,657</b>	<b>9</b>	<b>13,330</b>	<b>117</b>	<b>3,484</b>	<b>20</b>	<b>137</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>18,610</b>	<b>149</b>

Note: Section (§) numbers in the column headings refer to the Forest Practice Rule.

Counties which had zero timber harvest-related emergency notices in FY 19-20 are not represented in table and include: Alameda, Alpine, Amador, Contra Costa, Colusa, Del Norte, Glenn, Humboldt, Imperial, Inyo, Kern, Kings, Lassen, Los Angeles, Madera, Marin, Mendocino, Merced, Modoc, Mono, Monterey, Orange, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sierra, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Ventura, Yolo, and Yuba Counties.



**Table A-5. Acreage of Approved Nonindustrial Timber Management Plans (NTMPs),  
FY 2015-16 to FY 2019-20.**

County/Silvicultural System	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	5-Fiscal Year Total
<b>Del Norte</b>	0	0	0	41	0	41
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	0	0	41	0	41
<b>Humboldt</b>	491	2,765	443	555	816	5,069
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	91	0	65	0	156
Unevenaged	491	2,674	443	489	816	4,913
<b>Lake</b>	0	318	0	0	0	318
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	318	0	0	0	318
<b>Mendocino</b>	395	165	900	548	1,396	3,403
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	92	0	96	188
Unevenaged	395	165	807	548	1,300	3,215
<b>Nevada</b>	0	0	81	0	346	426
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	0	81	0	346	426

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<b>Placer</b>	0	0	0	0	519	519
Intermediate	0	0	0	0	57	57
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	0	0	0	462	462
<b>Santa Cruz</b>	0	164	0	0	123	288
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	164	0	0	123	288
<b>Shasta</b>	2,665	863	54	0	0	3,583
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	4	0	0	0	0	4
Unevenaged	2,661	863	54	0	0	3,579
<b>Siskiyou</b>	1,413	0	2,138	0	618	4,169
Intermediate	0	0	421	0	83	504
Special Prescriptions (no Conversion)	157	0	0	0	90	246
Unevenaged	1,256	0	1,717	0	446	3,418
<b>Sonoma</b>	111	0	777	0	239	1,127
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	224	0	0	224
Unevenaged	111	0	553	0	239	903
<b>Trinity</b>	0	0	0	686	0	686
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	0	0	686	0	686



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<b>Tuolumne</b>	0	0	0	443	0	443
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	0	0	443	0	443
<b>Yuba</b>	0	0	0	0	0	0
Intermediate	0	0	0	0	0	0
Special Prescriptions (no Conversion)	0	0	0	0	0	0
Unevenaged	0	0	0	0	0	0
<b>Statewide</b>	5,074	4,276	4,392	2,273	4,058	20,073

Note: NTMP acreage classified as non-harvest areas or road right-of-way are not included (total of 1,616 acres). There were was not NTMP acreage classified as conversion for the period covered in this table. Counties which had no NTMPs in the included silvicultural categories and not represented in the table include: Alpine, Amador, Butte, Calaveras, El Dorado, Fresno, Kern, Lassen, Madera, Mariposa, Modoc, Mono, Monterey, Napa, Plumas, San Benito, San Bernardino, San Mateo, Santa Clara, Sierra, Tehama, and Tulare Counties.