



## Director's Report to the Board of Forestry

Resources Building, Auditorium  
1416 Ninth Street  
Sacramento, California 95814



January 2017

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## Resource Management

### Forest Practice Program (through 12/31/2016):

#### Plan submissions:

- **THP submissions:** THP submissions through 2016 were about 10% lower than last year (i.e., 243 compared to 270).
- **NTMP submissions:** NTMP submissions are more than 80% higher than last year's total (i.e., 18 compared to 10). NTO submissions are up 10% from last year (i.e., 137 compared to 124).
- **Exemption Notice submissions:** Exemption submissions were notably higher this year compared to last year (i.e., 2,768 compared to 2,043 or up nearly 35%). There has been a total of 1,271 Drought Mortality exemptions submitted since the passage of regulations (July 1, 2015), covering a total of 168,884 acres.
- **Emergency Notice submissions:** Emergency Notice submissions are down 25% for the year from last year's total (i.e., 166 compared to 221). There were 24,085 acres covered under emergency notices; which is a reduction in acres of approximately 30% from last year.
- **Plan Approval:** 237 THPs have been approved in 2016, compared to 235 last year. In addition, 14 NTMPs have been approved compared to 8 last year.

#### General Review Team:

##### Santa Rosa:

- Santa Rosa has had three Forester I vacancies since October 1, 2016. These vacancies are being advertised. We are hoping to fill at least one vacancy by February 2017.
- Forester II Shawn Headley and will tentatively be attending FFA and COA in February 2017.
- Forester II Anthony Lukacic (LE Coordinator) continues to assist with coastal plan approval.

## **Redding:**

- Due to staffing challenges in both Fresno and Santa Rosa in 2016, the Redding office assisted both Region offices to continue to meet statutory timelines.
  - Plan review/signature for Santa Rosa
  - Processing exemptions for Fresno
- Program Technician II Michelle Coleman has made significant strides in mapping exemptions. All of 2016 Redding exemptions are mapped, and most the Fresno 2016 exemptions have been mapped.
- TRFRF Forester II Dan Craig and TRFRF Office Technician Asia Coleman are continuing to work on the initial module for the Cal Trees on line harvest document submission program.

## **Fresno:**

- Kevin Kiniery Promoted to Forest II Review Team Chair.
- Region 4 had over 1100 exemptions filed in 2016, more than twice the number in 2015. Of these, 750 were 1038(k) Drought Mortality Exemptions and over 150 were Public Agency, Public and Private Utility Right of Way Exemptions (ROW Exemptions) (1104.1(b) and (c)).
  - In comparison, 158 Drought Mortality Exemptions (the first year in existence) and 3 ROW Exemptions were submitted in 2015.

## **Watershed Protection Program Update:**

- Watershed Protection Program staff continue to work on several different projects, including:
  - Post-fire evaluations - (1) The WERT (Watershed Emergency Response Team) After Action Review” meeting was held in Sacramento on 9th with 19 people participating. The goal was to discuss past work, share lessons learned, and identify future directions for the WERT effort. Detailed meeting notes with action items have been prepared for circulation; (2) preliminary work for a California Forestry Note titled “Lessons Learned from Sixty Years of Post Wildfire Erosion Assessment Work on Non-Federal Lands in California: 1956 to 2016,” continues, assembling past post-fire reports from 1956 to the present; (3) the initial meeting for development of the California Post Wildfire Guide was held on January 5th, being led by the USACE (CA Silver Jackets); the project objective is to make information on post fire hazard and recovery resources easily available to communities affected by wildfires (similar to efforts undertaken in New Mexico and Washington); and (4) staff are participating in a USFS-led training workshop on the Batch ERMiT post-fire surface erosion model held on January 12th at McClellan.
  - Boggs Mountain Demonstration State Forest post-fire runoff and erosion study - Drew Coe continues to lead this research effort, working with Dr. Joe Wagenbrenner (USFS PSW) and Don Lindsay (CGS). Electronic data collection for precipitation and flow at the gaged sediment fences has occurred, and fence sediment cleanout will take place when the current set of large storms is complete.

- Caspar Creek watershed study on Jackson Demonstration State Forest - Staff continue to provide assistance related to funding and project development for studies associated with the Third Experiment in the South Fork of Caspar Creek. Stacy Stanish has volunteered to be the lead on the bio-assessment study for the 2017 field season.
- BOF Effectiveness Monitoring Committee - Staff continue to work with Dr. Catelina Segura, Oregon State University, on study plan for a comprehensive Class II-Large study research project to be conducted in 2017-2018, partly on Jackson and LaTour DSFs.
- AB 1492 Team participation - Watershed staff continue to participate on the AB 1492 Leadership Team, Ecological Performance Measures and Data and Monitoring Working Groups, Campbell Creek Pilot Project Working Group and Interagency Interdisciplinary Teams, and Interagency Training Team.
- Tree Mortality Task Force work - Pete Cafferata continues to serve as a co-leader for the Forest Health and Resilience Working Group, with monthly meetings occurring on the first Wednesday of the month. One white paper has been completed and a second will be completed in February, outlining strategies for forest health in the Sierra Nevada.
- Project Review - Staff continue aid with potential watershed and biological impacts associated with conversions, THPs, construction projects/CEQA review (office and field review).
- Personnel hiring - The Environmental Scientist (ES) position in the Watershed Protection Program was flown and multiple candidates applied prior to the January 4 closing date.

### **Timber Operators Licensing Program Update:**

- The Timber Operators Licensing Program received 219 applications for license renewal between December 1, 2016, and January 3, 2017. Sixty of those renewal application packets (≈27%) had deficiencies and are awaiting follow up from the applicant. In addition to the license renewals, there were 20 new license applications received for the same period. The licensing office has received a range of 3 to 20 application packets a day for the last two months. Prior to the December 1 deadline, the renewal packets were more complete with few deficiencies. The program continues to get positive feedback for the reminder post cards.

### **Forest Practice Enforcement Update:**

- The Administrative Civil Penalty Program had a total of 13 cases for 2016. Most the 2016 cases were violations for operating without a plan (PRC§4581) and/or without a license (PRC§4571(a)). The department collected a total of \$69,550 in administrative civil penalties in 2016. Converting timberland without a conversion permit, for marijuana cultivation was not a dominant factor in the 2016 cases as it has been in previous years. There are currently two hearings scheduled for January and one in February. There 46 active cases in different stages of the process, see Table 1 below.

Table #1: Active Case Status

| Status                     | # of Cases |
|----------------------------|------------|
| Under Review               | 6          |
| Development for Signature  | 3          |
| CPO Signed, Mailed, Served | 6          |
| Due and Payable            | 2          |
| Hearing Scheduled          | 3          |
| Settlement Mitigation      | 2          |
| Payments                   | 7          |
| Probation                  | 8          |
| Judgement Needed           | 6          |
| Other                      | 3          |
| Total                      | 46         |

The total amount of civil penalties received by year for the last 4 years is provided in Table 2.

Table 2: Yearly Total for Civil Penalties Collected 2013 to 2016.

| Total Collected | Year |
|-----------------|------|
| \$83,158        | 2013 |
| \$53,334        | 2014 |
| \$95,514        | 2015 |
| \$69,550        | 2016 |

**Timber Regulation and Forest Restoration Fund (TRFRF)  
Updated from the TRFRF Database (01/01/2016 through 12/31/2016)**

- Specific TRFRF Forest Practice Effort:** The Forest Practice Program has utilized 153,222 hours in conducting forest practice activities in the following breakdown: review and processing of THPs (20.8%); conducting forest practice inspections (22.4%); participating in mandated training (10.1%); supervising and managing the forest practice program (8.1%); processing and managing the data related to THPs (8.0%); forest practice law enforcement (2.0%); program/project monitoring (0.8%); and responding to letters of concern (1.3%). Other activities comprising an insignificant portion of the time include Board of Forestry and Fire Protection related activities, ecological performance, and litigation. (This represents *TRFRF funded forest practice effort only*.)
- Total Departmental Forest Practice Efforts:** The Forest Practice Program has utilized a total of 166,108 hours in conducting forest practice activities and non-forest practice activities in the following breakdown: review and processing of THPs (20.3%); conducting forest practice inspections (22.8%); emergency incident support (9.8%); participating in mandated training (9.8%); supervising and managing the forest practice program (8.7%); processing and managing the data related to THPs (7.8%); other duties in support of unit programs (7.1%); other forestry related activities (8.4%); forest practice law enforcement (2.0%); project/program monitoring (1.1%); and responding to letters of concern (1.2%). Other activities comprising an insignificant portion of time include Board of Forestry and Fire Protection related activities, ecological performance, and litigation. (This represents all forest *practice efforts both TRFRF and Non-TRFRF funded*.)

## **Resource Protection and Improvement Program**

### **Urban and Community Forestry (UCF):**

- Work continues on Urban and Community Forestry GGRF grant projects. Projects are continuing work and are actively billing and reporting regularly.
- 122 concept proposals were received with a request of \$59.6 million overall. Project scoring has begun and will be complete by mid-February.
- The program is working to fill a Program Manager Forester II. In addition, the program is short one Regional Urban Forester position in the Sacramento region. This position was advertised and received no applications. It is being re-advertised currently.
- The program is engaged in the selection process for sub-granting of 2016 USDA Forest Service funding. These funds are used for projects that state GGRF funds cannot be used to fund. These include priority educational, applied research, and outreach projects.
- The program has minor revisions to make to the 2017 USFS Grant Narrative to the US Forest Service. The grant is anticipated to be a similar level of funding as last year.

### **Demonstration State Forests:**

- Due to at least two large mudslides blocking access to the forest and numerous hazards on roads and trails, Soquel Demonstration State Forest (SDSF) will be temporarily closed to public use until further notice. A news release and social media announcements via Facebook, twitter, CAL FIRE SDSF webpage and mountain biking online forums were sent out on January 11. In addition to slides on SDSF, the county access roads are also blocked with slides. Since the beginning of December, the SDSF weather station has recorded over 27 inches of rainfall.
- Soquel Demonstration State Forest staff assisted with the annual Santa Cruz Forestry Challenge, held at the Redwood Christian Park in Boulder Creek. Forest Staff also attended the Ask a Forester evening and the skills teaching and testing day. The theme of the Forestry Challenge this year was Forest Sustainability.
- The Soquel Demonstration State Forest Fall Newsletter was completed and distributed to the Unit and interested parties.
- Soquel Demonstration State Forest has started building a Facebook page with help from Sacramento Communications staff. The Facebook page will be used to provide announcements and highlights about forest events, projects and conditions and is called "CAL FIRE Soquel Demonstration State Forest".
- The Soquel Demonstration State Forest NatureTour app for Android devices was completed and a Spanish language version added. The free app is now out of beta test mode and available through the Google Play Store.
- The Meridian Timber Sale on Soquel Demonstration State Forest was advertised with a February 1 bid opening.

- Mountain Home Demonstration State Forests Forestry Assistant II Alan Frame retired on December 29 after 25 years of service. Alan was the longest acting employee at Mountain Home Demonstration State Forest during its 70 years of state ownership.
- Diane Dealey Neill visited Mountain Home Demonstration State Forest on December 11 and 12 to discuss and inspect possible locations for the 2017 Sequoia Forestry Challenge event.
- Bids were opened on January 9 for Latour Demonstration State Forests 2017 Cutter Timber Sale. Trinity River Lumber Company was the successful bidder for the 3.5 million board foot sale, with an average stumpage price of \$143.98 per thousand board feet and a total bid of \$506,513.
- A total of 246 thousand board feet of timber was salvage logged on Latour Demonstration State Forest in 2016.
- Approximately 8 million board feet of timber was harvested on Jackson Demonstration State Forest during the 2016 (calendar year) logging season, generating approximately \$3.65 million in revenue for the Forest Resource Improvement Fund (FRIF). These FRIF funds are legislatively mandated to support the management of the demonstration state forests.
- Oregon State University College of Forestry, Associate Professor - Jeff Hatten and three others conducted a field visit of the sites for the Jackson Demonstration State Forest Caspar Watershed-Third Experiment on December 7th through 10th. Additional coordination for the upcoming experiment took place during conference calls on December 5th and 9th.
- Work on the Jackson Demonstration State Forest Resource Inventory (FRI) cruise continues under contract with Jefferson Resource Co. for data collection on approximately 4,900 plots.
- A new forest information kiosk has been completed on Jackson Demonstration State Forest, where recreational users tend to park. The structure has been constructed out of redwood lumber milled at Parlin Fork Conservation Camp. The kiosk has eight sides for information posting.
- Boggs Mountain Demonstration State Forest continues to be closed indefinitely to the public with a planned opening date coinciding with completion of salvage operations, clearing of hazard trees from trail and roadsides, planting and spraying, and repair of trails possibly by the spring of 2018.
- Forest staff conducted a tour with the Friends of Boggs Mountain (FOBM) group to allow for photographs for their quarterly newsletter. FOBM is also providing updates to the public on the progress being made on the forest on their Facebook page. FOBM volunteers prepare the updates and submit to the forest for approval through the Unit Public Information Officer. This has proven to be an efficient and effective way to update the public.
- Work on the Boggs Mountain Demonstration State Forest Rehabilitation Plan continues. Division Chief Jim Wright, who has been instrumental in helping to administer the salvage operations and other projects, retired at the end of 2016. The forest is currently advertising a vacant Forester I position to manage the increased workload.

- Boggs Mountain Demonstration State Forest conducted pre-bid walkthroughs on January 10 for the vegetation control and planting contracts scheduled for this early spring. A pre-bid walkthrough was also conducted on January 6 for an excavator piling contract to assist with pile burning operations. Another nursery contract has also been prepared to grow approximately 300,000 conifer seedlings in preparation for the next planting in the spring of 2018.

#### **L.A. Moran Reforestation Center (LAMRC):**

- CAL FIRE Technical Services and LAMRC staff, with the significant assistance of hand crews from Delta Camp, completed demolition of the cone drying shelter over the course of two days in early November. This is the first step toward construction of the new, much larger cone processing facility at LAMRC. Construction of the new facility is expected to commence soon.
- LAMRC staff is immersed in hand cleaning of an estimated 1,500 pounds of seed. This is the largest amount of seed LAMRC has worked with in several years. Hand crews from Delta Camp will continue to assist in this effort. Even so, seed processing is expected to continue into spring.
- LAMRC staff have receiving and filling seed orders for sowing at private nurseries. A much larger number of seed orders are anticipated in the coming weeks.

#### **Fire and Resource Assessment Program (FRAP):**

- **Forests and Rangelands Assessment Indicator development:** Fire and Resource Assessment staff members continue to work on the Forests and Rangelands Assessment, 2016. FRAP has several draft chapters developed, but due to workload issues the report has been delayed. Expect completion in early to mid-2017.
- **GGRF Quantification Methodology:** Tadashi Moody (FRAP) continues to work with ARB on quantification methodology for estimating GHG emissions and carbon balance from fuel reduction projects. This work will support CAL FIRE GGRF funded projects at both the project and landscape level. Current work includes estimation fire ignition probabilities
- **Fire Effects, Carbon, and Forest Recovery** – ongoing research and stand inventory monitoring following the Valley Fire at Boggs Mountain Demonstration State Forest. FRAP staff recently visited LaTour forests to discuss recommendations for additional research and experimental design.
- **Fire Map 1 for PUC** - FRAP (D. Sapsis) lead a technical committee that developed a map that depicts areas of California where there is an elevated hazard for the ignition and spread of fire from utility lines under conditions with strong winds and dry vegetation. FRAP staff are developing options to support PUC's development of Fire Map 2.
- **Climate Change:** FRAP staff are assisting FCAT in developing the Forest Carbon Plan and other supporting documents.

- **Tree Mortality Task Force (TMTF):** FRAP staff are supporting Mapping and Monitoring work group and the Forest Health work group. The Mapping and Monitoring group is currently updating High Hazard Zones based on recent Aerial Detection Survey data collected by the USFS. FRAP staff are reviewing proposed changes that the USFS are proposing to the ADS data. These changes have implications for reporting on tree mortality.
- **AB 1504:** FRAP has recently hired a Senior Environmental Scientist (Nadia Tase) who will serve as a technical expert to support the development of AB 1504 reporting. Mark Rosenberg has developed an initial reporting framework and is establishing an agreement with USFS – PNW to develop FIA based inventory tables for the report.

### **California Forest Improvement Program (CFIP):**

CAL FIRE's CFIP program has been very active in the mortality areas with forest landowners continuing to apply for cost share contracts to remove dead trees and prepare their land for planting new trees. CAL FIRE currently has over 50% of the Forestry Assistance Specialist staff assigned to working specifically in the mortality counties to deliver cost share funding.

- \$2 million has been encumbered specifically for dead tree removal and reforestation projects across 48 project areas affecting over 1500 acres.
- \$1.2 million in funding remains available for CFIP projects Statewide under allocations made from the Timber Regulation and Forest Restoration Fund.
- \$2.4 million is expected to be made available in 2017 from the High Speed Rail Authority for reforestation projects under CFIP.
- CAL FIRE CFIP Program has made an initial speculative order of 130,000 pine seedlings to be made available in fall/winter 2017-18 for reforestation on private lands across counties with the heaviest mortality. Further orders will be made in subsequent years.
- Working with the UC Extension office to plan and implement Reforestation workshops to educate and encourage landowners in these areas to replant lost trees and reduce fire danger through site preparation work.
- Contracting for the revision of a reforestation manual for California to be completed in 2017.
- Conducting a reforestation needs assessment across the State that will help to better inform planning for cone collection and seedling production.
- Staff is looking into the concept of making loans available for CFIP participants as per the allowance in the statute.

### **Forest Legacy Program (FLP):**

- Applications: California's top three projects have been submitted to the national selection panel for scoring. With 49 states and five territories competing for limited funds, the competition is expected to be very strong this year. With a new administration coming in there is considerable question as to the level of funding that might be available for 2017. For the past many years, annual appropriation has run in the \$50-\$65 million range.



- **Funded Projects:** The 597-acre Rainbow Ridge project appraisal has now been completed and accepted by the landowner. The Department still has not heard from the USDA Forest Service Review appraiser as to its acceptability. Once the FS reviewer finds that the appraisal is following federal standards, the project can move forward to the Wildlife Conservation Board to begin the last stages of the approval process. At this time, we expect the project will close this spring.

**Forest Pest Management:**

- The most recent aerial surveys conducted by the United States Forest Service report that California has lost over 100 million trees due to drought and bark beetles since the beginning of the most recent drought.
- There has been a find of a single polyphagous shot hole borer in a trap in San Luis Obispo County. Surveys are ongoing to determine if there is an infestation or not in the county.
- Surveys are ongoing for a find of Kuroshio shot hole borer in Santa Barbara County to determine the extent of the infestation there.
- Sudden oak death has been found on California Bay Laurel at around twenty different locations in San Luis Obispo County. The finds were through a citizen scientist SOD Blitz conducted by the University of California – Berkeley. The finds still need to be confirmed by the California Department of Food and Agriculture through separate isolations before the county can be officially declared infested and a federal quarantine imposed and the Zone of Infestation expanded. At present, we are in the worst time of the year for making positive isolations so it will likely be spring before the county is quarantined.
- The South American Palm Weevil has been found attacking several palm species in San Diego County. This is the first infestation of the pest in the United States.

**Cultural Resources:**

- Nothing new to report

**Environmental Protection:**

- Nothing new to report

**Greenhouse Gas Reduction Fund (GGRF) Program:**

- Urban and Community Forestry GGRF Grants are currently in scoring review.
- Landscape Scale Forest Health GGRF Grants are currently incorporating public comments and finalizing forms and quantification methods.

**Other Grant Programs:**

- It is hoped that both the California High Speed Rail funded grant programs (Urban Forestry and CFIP Reforestation) can be advertised within two weeks. Only finishing touches and approvals are needed.

## Tree Mortality Task Force:

- Next TMTF Meeting will be Monday, February 13, 2017 from 1:00-3:00 P.M.
- There was an initial concern in air quality regulations that Tier 0 engines used to facilitate hazard tree removal and disposal would no longer be allowed to operate after the first of the year due to a regulation change. Tuolumne County Air Pollution Control District working with ARB have determined that Tier 0 diesel engines can be used during the tree mortality emergency. The Governor's Emergency Declaration is the basis for allowing this exemption.
- BioRAM1 (Order 9): 120 MW of forest biomass power has been contracted through the Bioenergy Renewable Auction Mechanism (BioRAM) by PG&E, SCE, and SDG&E. The BioRAM contract requires each plant to consume significant high hazard zone (HHZ) material each year. It is estimate that over 4 million bone dry tons (BDT) of HHZ material will be consumed over the 5-year period of the contracts.
- FHRWG is finalizing a draft document titled "Recommendations for Comprehensive Sierra Nevada Ecological Restoration," which supports the SNC's Watershed Improvement Program and outlines the actions needed across the Sierra Nevada to reduce tree mortality.

## FIRE PROTECTION

### Cooperative Fire Program

#### Local Government Program

- Program is focused on the annual recalculation of various salary and benefit rates for use in the renewal of Local Government Fire Protection Agreements. Critical amongst these rates are the personnel costs to be used in the out-year agreements. With the establishment of a tentative contract between Bargaining Unit 8 and the state, the Local Government Program must now wait until union ratification and legislative approval occurs. The time involved in this process may be problematic in the timely release of rates and the renewal of current agreements.

#### Conservation Camp Program

- The Camps Program continues to meet with the California Department of Corrections and Rehabilitation (CDCR) to discuss the severe shortfall in the current inmate population and explore potential solutions. The statewide Conservation Camps count as of Wednesday, January 3, 2017:
  - The current statewide shortage of fire crew members assigned to fire crews is **983** (An increase of 18 from 955 as of November 23, 2016)
  - The inmate population stands at 79% (-2%) of capacity
  - Hand crew capacity stands at 70% (-1%).

#### State-Federal Program

- Program continues to meet with all parties to the California Master Cooperative Wildland Fire Management and Stafford Act Response Agreement (CAL FIRE, USFS, BLM, NPS, USFWS and BIA) to negotiate renewal of the current agreement. The two

areas of primary discussion focus on responsibilities on Direct Protection Areas under the jurisdiction of another agency and fire prevention protocols between agencies. The current agreement will expire on February 28, 2018.

## **Training Program**

- Monday, January 9th kicked off the 2017 training season for the CAL FIRE Academy
  - Firefighter Academy (FFA) #1-17 has 48 students and is the first class to participate in the new seven-week curriculum (previously five weeks)
  - Company Officer Academy (COA) #100-17 has 40 students and is also participating in a new seven-week curriculum (previously six weeks)
  - POST Regular Basic Course (RBC) Training (Law Enforcement) #57 has 23 students and continues for twenty-two weeks
  - Emergency Command Center (ECC) Academy #117 has 18 students and continues for four weeks

## **Safety, Training, EMS**

- The Director approved the Serious Accident Review Team (SART) Executive Board of Review "Action Plans" from the Lodge, Soberanes, and Cuesta incidents' serious accident reviews. The action plans were delivered to the respective Programs to address the findings and implement actions to prevent or reduce future accident and/or injuries.
- On December 30, 2016, an inmate firefighter suffered a heart attack while in Konocti Camp in the CAL FIRE Lake-Napa Unit. The heart attack was witnessed by other inmates who immediately administered CPR and applied an AED which delivered 2-shocks. The inmate fighter survived the event and is expected to make a full recovery. This event highlights the benefit of CAL FIRE EMS training and placement of AED's within our facilities.
- The EMS Program is coordinating with the Communication office to carry out a challenge put forth by the Director to train all CAL FIRE employees (goal of 100% uniform and non-uniform) in CPR and AED use. A training campaign will begin on February 14, 2017 (Valentine's Day) and will continue through June, 2017.
- The California State University, San Marcos (CSUSM) has finalized a report that researched exposures to wildland firefighters. The research project was funded by the USFS. CAL FIRE had nearly one hundred (100) firefighters participate in the study that evaluated core-body temperature, smoke exposure, heart-rate and hydration levels. The report has gone to print and should be publicly released within the next 2 months.

## **Fire Protection Operations**

### **Law Enforcement/Civil Cost Recovery**

- Last month, CAL FIRE Law Enforcement made 12 arrests and issued 65 citations.
- CAL FIRE Civil Cost Recovery received \$5,681,852 in fire suppression cost recovery last month

## **Mobile Equipment**

- With the assistance of the Units and Regions, the Davis Mobile Equipment Facility is starting the first outfitting campaign of 2017. Over a 14-day period that started on Monday, January 16, staff hopes to complete up to 150 new, unmarked vehicles with full markings and striping and emergency lighting and center console packages, to be turned over to field units immediately thereafter. This will leave another 180 vehicles to be completed in their next outfitting campaign still to be scheduled.

## **Aviation Management Unit**

- On December 29, 2016, a subject scaled the airport fencing at our Aviation Management Unit located at the McClellan Airfield and began vandalizing aircraft by removing tie downs and wheel chocks. In the end, the subject was arrested but not prior to doing minor damage to a DynCorp aircraft. There was no damage to CAL FIRE aircraft.
- The CAL FIRE annual Aviation Safety Conference will be held at the McClellan Convention Center on January 24 – 26, 2017. CAL FIRE aviation personnel from across the State will do a review of the 2016 fire season specific to aviation and will training for a day on mountain flying techniques.
- The Aviation Management Unit has hired a new Aviation Officer II to oversee the CAL FIRE Fixed Wing Aircraft Program.

## **Tactical Air Operations**

- Staff is working with the California Military Department to update the operational exhibits to the current California Military Department Agreement.
- Staff is working with the CAL FIRE Law Enforcement Program and the CA State Threat Assessment Center to conduct vulnerability assessments on all CAL FIRE fixed and rotary winged bases.

## **Incident Management Teams**

- No new Team deployment activity to report

# **OFFICE OF THE STATE FIRE MARSHAL**

## **Planning and Risk Analysis Division**

### **Wildland Pre-Fire Engineering**

- Staff continues to meet with ESRI program designers to create statewide database for D-Space inspections. This involves working closely with IT personnel to integrate new electronic collector app with CAL FIRE infrastructure. IT Staff is recommending we use the ESRI Cloud to store all data.

- Current projections anticipate statewide rollout of new Collector App for D-Space to take place in March 2017. This will include training curriculum for statewide consistency in data collection.
- Annual DPA recommendations for changes are being compiled for review and approval.
- Staff is working with the Tahoe Fire and Fuels Task force to implement a standardized defensible space program for all fire agencies within the Tahoe basin.
- Deputy Chief Steve Hawks is working with the RPC as a member of a standing committee to deal with PRC 4290 issues on an ongoing basis.

### **Fire Plan**

- Western States Fire Manager WUI Grant Program is requesting CAL FIRE to be the agency responsible for submitting future grants on behalf of Fire Safe Councils or other applicants throughout the state.
- Staff continues to work with IT and FRAP personnel on continuing upgrades to the new Version 3 of CalMAPPER. Actively working on methods to incorporate e-FC33 information into the database.
- Staff is working on new collection process of fire perimeters in real time. This plan will include capturing all fires 10 acres or greater in size.
- The 2018 Strategic Fire Plan rewrite committee held its first meeting in December. The committee will continue to work on updates for future presentation to the Board.

### **SRA Fire Prevention Fee**

- Updated SRA Information Report with reconciled FY 15/16 accounting information is currently going through the Green Sheet process.
- SRA Fire Prevention Fund Grants for FY 16/17 have all been awarded and agreements are now being finalized.

### **CAIRS**

- New CAIRS software evaluation process is continuing with coordinated input from IT and Fire Protection Staff.
- Interviews for the new SSA position will be held during the week of January 23<sup>rd</sup>. We anticipate the successful candidate will begin work in early February, 2017.
- CAIRS Staff is designing presentations as a training tool to discuss the CAIRS Program for various Units around the state.

### **Land Use Planning**

- Staff is spending more time dealing with PRC 4290 issues and providing guidance to the Units on planning initiatives and projects throughout the state.
- BOF Staff has asked LUP, HCD, and OPR to participate in presentation ideas for the upcoming APA conference being held in Sacramento this summer.

California Forest Practice Rules - Exemptions and Emergency Notices  
Accepted by CAL FIRE January - December

| Type of Exemption   | Admin Area    | 2015         |                  | 2016         |                  |
|---|---------------|--------------|------------------|--------------|------------------|
|   |               | Count        | Acres            | Count        | Acres            |
| <i>1038 (c) 150 FT Fire Hazard</i>                          | Coast         | 165          | 252              | 87           | 119              |
|   | Cascade       | 273          | 527              | 216          | 391              |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 82           | 153              | 52           | 241              |
|   | <b>Totals</b> | <b>520</b>   | <b>932</b>       | <b>355</b>   | <b>751</b>       |
| <i>1038(c)(6) 300 FT Fire Hazard<br/>effective 7/1/2015</i> | Coast         | 3            | 5                | 9            | 41               |
|   | Cascade       | 7            | 24               | 4            | 26               |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 0            | 0                | 5            | 11               |
|   | <b>Totals</b> | <b>10</b>    | <b>29</b>        | <b>18</b>    | <b>78</b>        |
| <i>1038(d) Substantially Damaged<br/>Timberland</i>         | Coast         | 0            | 0                | 0            | 0                |
|   | Cascade       | 0            | 0                | 2            | 1,500            |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 9            | 1,125            | 0            | 0                |
|   | <b>Totals</b> | <b>9</b>     | <b>1,125</b>     | <b>2</b>     | <b>1,500</b>     |
| <i>1038(i) Forest Fire Prevention</i>                       | Coast         | 0            | 0                | 0            | 0                |
|   | Cascade       | 8            | 474              | 4            | 51               |
|   | South         | 0            | 0                | 4            | 74               |
|   | Sierra        | 4            | 167              | 1            | 29               |
|   | <b>Totals</b> | <b>12</b>    | <b>641</b>       | <b>9</b>     | <b>154</b>       |
| <i>1038(j) Forest Fire Prevention Pilot</i>                 | Coast         | 4            | 459              | 4            | 249              |
|   | Cascade       | 7            | 1,135            | 17           | 1,816            |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 0            | 0                | 0            | 0                |
|   | <b>Totals</b> | <b>11</b>    | <b>1,594</b>     | <b>21</b>    | <b>2,065</b>     |
| <i>1038 (k) Drought Mortality<br/>effective 7/1/2015</i>    | Coast         | 14           | 307              | 20           | 1,383            |
|   | Cascade       | 23           | 17,915           | 306          | 22,896           |
|   | South         | 0            | 0                | 1            | 20               |
|   | Sierra        | 158          | 25,548           | 749          | 100,815          |
|   | <b>Totals</b> | <b>195</b>   | <b>43,770</b>    | <b>1,076</b> | <b>125,114</b>   |
| <i>1104.1 &lt;3 Acre Conversions</i>                        | Coast         | 90           | 218              | 113          | 284              |
|   | Cascade       | 271          | 554              | 240          | 479              |
|   | South         | 3            | 7                | 1            | 3                |
|   | Sierra        | 42           | 413              | 29           | 50               |
|   | <b>Totals</b> | <b>406</b>   | <b>1,192</b>     | <b>383</b>   | <b>816</b>       |
| <i>All other Exemptions</i>                                 | Coast         | 124          | 540,063          | 120          | 325,906          |
|   | Cascade       | 600          | 1,977,031        | 513          | 2,076,687        |
|   | South         | 1            | 240              | 1            | 240              |
|   | Sierra        | 163          | 248,354          | 269          | 280,623          |
|   | <b>Totals</b> | <b>888</b>   | <b>2,765,688</b> | <b>903</b>   | <b>2,683,456</b> |
| <b>Year to Date</b>   |               | <b>2,051</b> | <b>2,814,971</b> | <b>2,767</b> | <b>2,813,934</b> |

California Forest Practice Rules - Exemptions and Emergency Notices  
 Accepted by CAL FIRE January - December

| Type of 1052 Emergency               | Admin Area    | 2015       |               | 2016       |               |
|--------------------------------------|---------------|------------|---------------|------------|---------------|
|                                      |               | Count      | Acres         | Count      | Acres         |
| <i>Drought</i><br>effective 7/1/2015 | Coast         | 0          | 0             | 0          | 0             |
|                                      | Cascade       | 2          | 100           | 4          | 1,377         |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 0          | 0             | 4          | 3,581         |
|                                      | <b>Totals</b> | <b>2</b>   | <b>100</b>    | <b>8</b>   | <b>4,958</b>  |
| <i>Fire</i>                          | Coast         | 25         | 3,098         | 48         | 8,064         |
|                                      | Cascade       | 86         | 16,332        | 32         | 4,599         |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 46         | 11,432        | 70         | 5,914         |
|                                      | <b>Totals</b> | <b>157</b> | <b>30,862</b> | <b>150</b> | <b>18,577</b> |
| <i>Fuel Hazard Reduction</i>         | Coast         | 0          | 0             | 0          | 0             |
|                                      | Cascade       | 0          | 0             | 0          | 0             |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 1          | 33            | 1          | 2             |
|                                      | <b>Totals</b> | <b>1</b>   | <b>33</b>     | <b>1</b>   | <b>2</b>      |
| <i>Insect</i>                        | Coast         | 4          | 472           | 0          | 0             |
|                                      | Cascade       | 26         | 934           | 5          | 405           |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 17         | 1,818         | 2          | 143           |
|                                      | <b>Totals</b> | <b>47</b>  | <b>3,224</b>  | <b>7</b>   | <b>548</b>    |
| <i>All other Emergencies</i>         | Coast         |            |               | 0          | 0             |
|                                      | Cascade       | 14         | 487           | 0          | 0             |
|                                      | South         |            |               | 0          | 0             |
|                                      | Sierra        |            |               | 0          | 0             |
|                                      | <b>Totals</b> | <b>14</b>  | <b>487</b>    | <b>0</b>   | <b>0</b>      |
| <b>Year to Date</b>                  |               | <b>221</b> | <b>34,706</b> | <b>166</b> | <b>24,085</b> |



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Data Source: Forest Practice System (FPS)  
 Data Contact: fpgis@fire.ca.gov

California Forest Practice Rules - Exemptions and Emergency Notices  
Accepted by CAL FIRE January - December

| Type of Exemption   | Admin Area    | 2015         |                  | 2016         |                  |
|---|---------------|--------------|------------------|--------------|------------------|
|   |               | Count        | Acres            | Count        | Acres            |
| <i>1038 (c) 150 FT Fire Hazard</i>                          | Coast         | 165          | 252              | 87           | 119              |
|   | Cascade       | 273          | 527              | 216          | 391              |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 82           | 153              | 52           | 241              |
|   | <b>Totals</b> | <b>520</b>   | <b>932</b>       | <b>355</b>   | <b>751</b>       |
| <i>1038(c)(6) 300 FT Fire Hazard<br/>effective 7/1/2015</i> | Coast         | 3            | 5                | 9            | 41               |
|   | Cascade       | 7            | 24               | 4            | 26               |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 0            | 0                | 5            | 11               |
|   | <b>Totals</b> | <b>10</b>    | <b>29</b>        | <b>18</b>    | <b>78</b>        |
| <i>1038(d) Substantially Damaged<br/>Timberland</i>         | Coast         | 0            | 0                | 0            | 0                |
|   | Cascade       | 0            | 0                | 2            | 1,500            |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 9            | 1,125            | 0            | 0                |
|   | <b>Totals</b> | <b>9</b>     | <b>1,125</b>     | <b>2</b>     | <b>1,500</b>     |
| <i>1038(i) Forest Fire Prevention</i>                       | Coast         | 0            | 0                | 0            | 0                |
|   | Cascade       | 8            | 474              | 4            | 51               |
|   | South         | 0            | 0                | 4            | 74               |
|   | Sierra        | 4            | 167              | 1            | 29               |
|   | <b>Totals</b> | <b>12</b>    | <b>641</b>       | <b>9</b>     | <b>154</b>       |
| <i>1038(j) Forest Fire Prevention Pilot</i>                 | Coast         | 4            | 459              | 4            | 249              |
|   | Cascade       | 7            | 1,135            | 17           | 1,816            |
|   | South         | 0            | 0                | 0            | 0                |
|   | Sierra        | 0            | 0                | 0            | 0                |
|   | <b>Totals</b> | <b>11</b>    | <b>1,594</b>     | <b>21</b>    | <b>2,065</b>     |
| <i>1038 (k) Drought Mortality<br/>effective 7/1/2015</i>    | Coast         | 14           | 307              | 20           | 1,383            |
|   | Cascade       | 23           | 17,915           | 306          | 22,896           |
|   | South         | 0            | 0                | 1            | 20               |
|   | Sierra        | 158          | 25,548           | 749          | 100,815          |
|   | <b>Totals</b> | <b>195</b>   | <b>43,770</b>    | <b>1,076</b> | <b>125,114</b>   |
| <i>1104.1 &lt;3 Acre Conversions</i>                        | Coast         | 90           | 218              | 113          | 284              |
|   | Cascade       | 271          | 554              | 240          | 479              |
|   | South         | 3            | 7                | 1            | 3                |
|   | Sierra        | 42           | 413              | 29           | 50               |
|   | <b>Totals</b> | <b>406</b>   | <b>1,192</b>     | <b>383</b>   | <b>816</b>       |
| <i>All other Exemptions</i>                                 | Coast         | 124          | 540,063          | 120          | 325,906          |
|   | Cascade       | 600          | 1,977,031        | 513          | 2,076,687        |
|   | South         | 1            | 240              | 1            | 240              |
|   | Sierra        | 163          | 248,354          | 269          | 280,623          |
|   | <b>Totals</b> | <b>888</b>   | <b>2,765,688</b> | <b>903</b>   | <b>2,683,456</b> |
| <b>Year to Date</b>   |               | <b>2,051</b> | <b>2,814,971</b> | <b>2,767</b> | <b>2,813,934</b> |



California Forest Practice Rules - Exemptions and Emergency Notices  
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| Type of<br>1052 Emergency            | Admin<br>Area | 2015       |               | 2016       |               |
|--------------------------------------|---------------|------------|---------------|------------|---------------|
|                                      |               | Count      | Acres         | Count      | Acres         |
| <i>Drought</i><br>effective 7/1/2015 | Coast         | 0          | 0             | 0          | 0             |
|                                      | Cascade       | 2          | 100           | 4          | 1,377         |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 0          | 0             | 4          | 3,581         |
|                                      | <b>Totals</b> | <b>2</b>   | <b>100</b>    | <b>8</b>   | <b>4,958</b>  |
| <i>Fire</i>                          | Coast         | 25         | 3,098         | 48         | 8,064         |
|                                      | Cascade       | 86         | 16,332        | 32         | 4,599         |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 46         | 11,432        | 70         | 5,914         |
|                                      | <b>Totals</b> | <b>157</b> | <b>30,862</b> | <b>150</b> | <b>18,577</b> |
| <i>Fuel Hazard Reduction</i>         | Coast         | 0          | 0             | 0          | 0             |
|                                      | Cascade       | 0          | 0             | 0          | 0             |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 1          | 33            | 1          | 2             |
|                                      | <b>Totals</b> | <b>1</b>   | <b>33</b>     | <b>1</b>   | <b>2</b>      |
| <i>Insect</i>                        | Coast         | 4          | 472           | 0          | 0             |
|                                      | Cascade       | 26         | 934           | 5          | 405           |
|                                      | South         | 0          | 0             | 0          | 0             |
|                                      | Sierra        | 17         | 1,818         | 2          | 143           |
|                                      | <b>Totals</b> | <b>47</b>  | <b>3,224</b>  | <b>7</b>   | <b>548</b>    |
| <i>All other Emergencies</i>         | Coast         |            |               | 0          | 0             |
|                                      | Cascade       | 14         | 487           | 0          | 0             |
|                                      | South         |            |               | 0          | 0             |
|                                      | Sierra        |            |               | 0          | 0             |
|                                      | <b>Totals</b> | <b>14</b>  | <b>487</b>    | <b>0</b>   | <b>0</b>      |
| <b>Year to Date</b>                  |               | <b>221</b> | <b>34,706</b> | <b>166</b> | <b>24,085</b> |



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