

A photograph of a paved road with double yellow lines, flanked by tall pine trees. In the distance, a large, thick plume of white and grey smoke rises from the forest, indicating a fire. A speed limit sign for 50 is visible on the right side of the road.

**Shasta County Fire Department  
in Cooperation with CAL FIRE**

*2016 Annual Report*



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## *Mission Statement:*

To stand ready to protect life, property, and the environment utilizing trained and equipped personnel. The mission includes structural and wildland fire control, first response medical care and appropriate assistance to other agencies during emergency incidents.

## *Vision Statement:*

To provide emergency service to the communities of Shasta County and provide mutual aid to allied agencies for the common good of the citizens of Shasta County.



# *Shasta County Fire Department Values*

## *Service*

- We are committed to the safety and well-being of the public and our employees.
- We are committed to our volunteer and career workforce and strive to support its training and administrative needs.
- We strive for excellence and professionalism.

## *Cooperation*

- We continue to improve cooperative relationships within county programs and allied agencies.
- We maintain and enhance cooperative agreements, focusing on what is best for the community.
- We continue to build a support structure that enables and encourages volunteerism.

## *Protection*

- We provide the equipment, training, and resources to our employees that enable them to serve the local communities.
- We value the diversity each employee brings to the department.
- We recognize the importance of clear communication to all employees and cooperating agencies.
- We provide training and support to the workforce, which promotes a calm resilience during emergencies.





## *Message from the Chief...*

I am proud and delighted to share with you our “2016 Annual Report.” The report covers our 2016 accomplishments and illustrates the fine work of our fire and support personnel. We are very proud of our integrated, cooperative, regional fire protection system provided by the California Department of Forestry and Fire Protection (CAL FIRE) / Shasta County Fire Department (SCFD). The strength of our system is in the additive value provided by our cooperative relationship.

We continue to be well-supported by our elected and appointed officials who oversee and provide guidance to the fire department. The Shasta County Board of Supervisors supports our operation; always stressing the importance of public safety. It is critical that we firmly establish our vision and embrace our core values in order to develop a plan that will ensure our continued progress. As a leader in fire protection, prevention, and emergency response, we must provide the example to the public, our partners, and our employees.

In Shasta County, we are truly blessed with natural beauty, recreational opportunities, and citizens filled with pride and a strong sense of community. I am privileged to be serving as its Fire Warden and Chief of the Shasta County Fire Department. I am proud to lead a quality group of firefighters, both career and volunteer, to serve and protect you every day. Our firefighters embody the values of our citizens and a passion for service to this area. We take pride in our service to others, and we work hard to make our fire department responsive to the needs of our residents. We are honored to serve you and meet your expectations. We look forward to hearing from you.

Sincerely,

*Mike Hebrard*



# *Shasta County Board of Supervisors*



*David A  
Kehoe*

**District 1**

Redding



*Leonard  
Moty*

**District 2**

Centerville  
French Gulch  
Happy Valley  
Igo/Ono  
Keswick  
Platina  
Shasta  
South Redding  
Verde Vale



*Mary  
Rickert*

**District 3**

Bella Vista  
Big Bend  
Burney  
Cassel  
Fall River Mills  
Hat Creek  
McArthur  
Montgomery  
Creek  
Oak Run  
Old Station  
Palo Cedro  
Pittville  
Round Mountain  
Whitmore



*Steve  
Morgan*

**District 4**

Castella  
Crag View  
Lakehead  
Shasta Lake  
Mountain Gate



*Les  
Baugh*

**District 5**

Anderson  
Cottonwood  
Millville  
Manton  
Shingletown  
Viola



# *Volunteer Years of Service*

## 40 or More Years of Service

Russell Miller - *Igo-Ono*  
John Parrish - *Old Station*  
Tom Fields - *Palo Cedro*  
Richard Hathaway Jr - *Hat Creek*  
Keith Breshears - *Palo Cedro*

## 30 or More Years of Service

John Garner - *Hat Creek*  
Donald Sandberg - *Soldier Mtn.*  
Don Chaix - *Cassel*  
Richard Hathaway III - *Hat Creek*  
Don Cook - *Whitmore*

## 25 or More Years of Service

Victoria Green - *Big Bend*  
Bill Ellis - *Whitmore*  
Don Fennell – *Montgomery Creek*  
Kenneth Laughlin – *Hat Creek*  
Tom Coe - *Soldier Mtn.*  
David Green - *Big Bend*

## 20 or More Years of Service

Linette Chaix – *Cassel*  
Cliff Shattuck - *French Gulch*  
Ron Smith - *Bella Vista*  
Linda Barneby - *Oak Run*  
Dan Hebert – *Cassel*  
Mel Nordstrom Jr - *West Valley*  
Theresa Carroll - *Montgomery Creek*  
Bernie Zornes - *Cassel*

## 15 or More Years of Service

John Allen - *Oak Run*  
Greg Mayer - *Soldier Mountain*  
Arthur Peaslee – *Shingletown*  
Michael Loew – *Shingletown*  
Norville Hanke – *Centerville*  
Stephen Trotter – *Montgomery Creek*  
Richard Danielson – *Montgomery Creek*  
Amanda Peri – *Bella Vista*  
Greg Atkins – *Igo-Ono*  
John Catrucco – *Centerville*

## 10 or More Years of Service

Roger Underwood – *Hat Creek*  
John Robbins – *Solider Mtn.*  
Stephen Cureton – *Hat Creek*  
Sy Giles – *Big Bend*  
Jack Rolls – *Bella Vista*  
Robert Pearce – *Hat Creek*  
Dennis Blount – *Shingletown*  
John Cladopoulos – *Montgomery Creek*  
David Painter – *French Gulch*  
Daniel Pruitt – *West Valley*  
Sara West – *Whitmore*  
Wendy Cross Finely – *French Gulch*  
Justin Tavalero – *Shingletown*  
Shawn Plummer – *West Valley*  
Brian Abbott – *Whitmore*  
Douglas Atkins – *Igo-Ono*  
Fred Wyckoff – *West Valley*  
Patricia Wyckoff – *West Valley*  
Ray Dombroski – *Solider Mountain*  
Robert Baker – *Bella Vista*  
John Becker – *Old Station*  
Lawrence Russell – *Montgomery Creek*  
Bobby Leiferman – *Keswick*



# 2016 Shasta County Volunteer Fire Department Calls

	Veg Fires	Structure Fires	Other Fires	Medical	Hazmat / FMS	Public Assists / Other	Total
Company 10	11	4	13	49	1	0	<b>78</b>
Company 11	6	0	6	39	1	3	<b>55</b>
Company 12	2	1	10	41	1	8	<b>63</b>
Company 13	4	2	13	48	1	5	<b>73</b>
Company 20	21	4	42	450	4	45	<b>566</b>
Company 30	5	1	5	29	0	1	<b>41</b>
Company 31	3	0	4	34	1	3	<b>45</b>
Company 32	16	15	51	300	5	40	<b>427</b>
Company 33	13	14	60	458	13	46	<b>604</b>
Company 50	9	1	10	78	0	2	<b>100</b>
Company 52	4	2	13	105	3	11	<b>138</b>
Company 53	9	4	23	102	2	7	<b>147</b>
Company 54	2	1	15	231	2	7	<b>258</b>
Company 55	12	6	13	108	1	5	<b>145</b>
Company 59	2	1	10	69	0	2	<b>84</b>
Company 70	4	0	1	20	0	0	<b>25</b>
Company 71	9	1	18	217	3	3	<b>251</b>
Company 72	3	2	16	140	4	3	<b>168</b>
<b>Total</b>	<b>135</b>	<b>59</b>	<b>323</b>	<b>2518</b>	<b>42</b>	<b>191</b>	<b>3268</b>

# *2016 Shasta County Incidents and Responses*

## **Shasta County Fire Department/CAL FIRE Incidents and Response**

Station 14: Burney	420
Station 19: Big Bend	33
Station 22: Shingletown	581
Station 32: Palo Cedro	686
Station 34: Buckhorn	54
Station 35: Whitmore	68
Station 43: Redding	1,760
Station 57: Ono	95
Station 58: Shasta	705
Station 73: Shasta College	1,095
Station 74: Diddy Wells	126
Station 75: Hill Crest	133

## **Independent Fire Protection Districts Dispatched by SCFD/CAL FIRE**

Station 15: Fall River Mills Fire Protection District	81
Station 16: McArthur Fire Protection District	55
Station 17: Burney Fire Protection District	648
Station 21: Millville Fire Protection District	182
Station 23: Cottonwood Fire Protection District	1,227
Station 41: Mountain Gate Community Services District	656
Station 42: Shasta Lake Fire Protection District	1,503
Station 44: Happy Valley Fire Protection District	382
Station 46: Anderson Fire Protection District	2,822
<u>Station 56: Shasta Community Services District (Old Shasta)</u>	<u>215</u>

Total responses will exceed total incidents for the year due to multiple stations/districts being dispatched to the same call. For example a dispatch for a traffic collision in parts of Centerville will include a Battalion Chief, a paid engine, SCFD Companies 50 and 52, and Happy Valley FPD.

# 2016 SCFD Chief Officer and Prevention Calls

	Veg Fires	Structure Fires	Other Fires	Medical	Hazmat / FMS	Law Enforcement	Public Assists Other	Total
B2407	28	13	28	76	1	0	2	148
B2408	2	0	3	5	0	0	0	10
B2409	4	0	10	10	3	0	2	29
B2411	14	7	28	37	2	0	7	95
B2412	18	2	20	48	0	0	6	94
B2413	31	14	72	119	0	1	5	242
B2414	27	8	50	95	2	16	5	203
B2415	15	11	34	93	2	0	1	156
B2416	14	5	2	57	3	0	4	111
B2417	23	3	28	50	1	1	3	109
B2418	27	12	44	85	1	43	8	220
B2419	17	2	15	27	0	1	2	64
B2420	27	9	48	5	1	60	1	151
P2421	69	17	83	18	0	234	10	431
P2422	34	15	63	4	1	131	2	250
P2423	6	6	21	2	0	31	2	68
<b>Total</b>	<b>356</b>	<b>124</b>	<b>575</b>	<b>731</b>	<b>17</b>	<b>518</b>	<b>60</b>	<b>2381</b>





### *“Fiddler” Incident Wildland Fire*

At 10:45pm on July 8<sup>th</sup>, 2016 the Fiddler fire occurred in Ono. The fire burned 441 acres off of Fiddlers Road in Ono. Homes in the area were briefly threatened and one was destroyed. CAL FIRE and SCFD units contained the fire by the next morning and no injuries resulted from the fire.





### *“Knobhill” Incident Residential Structure Fire*

On December 13<sup>th</sup>, 2016 a structure fire occurred in the 8900 block of Knobhill Circle in Centerville. CAL FIRE and SCFD units found a two-story home with the garage and attic involved with heavy fire when they arrived. The home was destroyed by the fire with over a \$1 million-dollar loss.

# Redding Emergency Command Center

The Redding Emergency Command Center (ECC) is a secondary Public Safety Answering Point (PSAP) staffed with a minimum of two personnel during the winter and three personnel during the summer months for 24 hours a day coverage. A total of eleven personnel are permanently assigned to the ECC; 1 Battalion Chief, 5 Fire Captains, and 5 Communication Operators. Dispatch plans are tailored to the type of incident being dispatched in each area. However, information gathered from 911 callers, weather monitoring, and fire history for a given area are also used to determine if the appropriate amount of resources are being dispatched to an incident. The ECC Captain provides input and oversight while functioning as a 24-hour duty officer. The Captain uses their field experience to initially command the incident prior to the first arriving field unit, and is given full authority to modify a response based on the information received. The ECC is co-located with the U.S. Forest Service dispatch center for the Shasta-Trinity National Forest in the same building which provides for more efficient and coordinated use of each agency's resources to ensure that the closest resource, regardless of jurisdiction, is dispatched to an incident within Shasta County.

In 2016, the ECC processed a total of 13,226 incidents and assisted with deploying resources to incidents throughout California. The ECC maintained the resource ordering and status for incidents such as the Fiddler, Lake and Cow fires.

Moving into 2017, the ECC is continuing to make progress on its many projects as outlined in the Shasta County Fire Department 2014 Master Plan. Some of the things we are working toward include; utilizing modern technology in the form of mobile data devices in field units to provide for real time and more accurate data sharing, and enhancing our current CAD mapping system to provide more effective response plans. Planning is underway to expand radio capability with the addition of a mountain top repeater on the eastside of Shasta County. We look forward to the challenges and successes 2017 may bring and stand ready to provide the citizens of Shasta County with the most professional services that fire service can provide.





# Training

The Shasta County Fire Department's Training Bureau is responsible for the delivery and documentation of training for all career and volunteer personnel. We ensure that all federal, state, and local training mandates, laws and regulations are followed as they pertain to training. We operate within and enforce the policies and procedures of CAL FIRE, Shasta County Fire Department, and the Shasta County Fire Chief's Association. Our goal is to assure quality service to the public by developing the skills and abilities of all Shasta County Fire Department's career and volunteer personnel. This is accomplished through training that is economical, effective, and consistent with the needs of the public, the County of Shasta, the Fire Department, and the employees.

We are staffed by a small group of dedicated professionals. During the summer months a Battalion Chief, a Fire Captain and a part time Office Assistant keep the bureau going. In the winter months, the staff is augmented with the addition of 4 Training Officers from CAL FIRE. These Training Officers are assigned (with vehicles and specialized equipment) to bring quality training topics to the individual volunteer companies throughout the county. These training sessions are a minimum of 3 hours and include topics such as: Structure Fire, Communicable Disease, Emergency Medical Skills, CPR, Ropes & Knots, Hazardous Materials, Vehicle Extrication, Pump Operations, Map Reading & GPS, Fire Investigation, Vegetation Fire Safety, and Swift Water Awareness.

In 2016 the County Training program continued its successful relationship with Shasta College and the Shasta Tehama Trinity Public Safety Training Consortium. Through this relationship we delivered formal training courses throughout Shasta County at a reduced cost to the Department. We are pleased with the program's success so far and anticipate continued success in the future.





The Training Bureau continued to implement changes to the training program in the areas of initial safety training and mobile equipment operations. The value of these changes can be seen in the increase of initial volunteers completing their upgrade training within 12 months and increasing the level of training provided to the staff.

The Training Bureau delivered 11 formal training courses to 188 volunteer firefighters in 2016. These courses were primarily delivered on weekends or in the evenings to accommodate the needs of SCFD volunteers. In addition to formal classes, the Training Bureau provides training support to each of the 18 volunteer fire companies in SCFD. This training support includes refresher training in such areas as Hazardous Materials, Emergency Medical Response, Incident Command and other important emergency scene skills. In all the Training Bureau supplied over 3000 instructor hours and the Volunteers of Shasta County Fire Department participated in over 10,000 hours of training.





# Fire Prevention & Law Enforcement

Four full-time law enforcement officers assigned to the Prevention Bureau conduct fire investigations and enforce forest and fire laws. While these officers have other primary duties, each are responsible for responding to incidents requiring a law enforcement/investigator response. In 2016, the Fire Prevention Bureau officers responded to, or were involved in, 1,010 incidents. During the year, 217 citations were issued and 30 in-custody arrests were made to include nine arson arrests.

In 2016, the Shasta County Fire Department responded to numerous confirmed structure fires. Six of those fires resulted in damage in excess of \$100,000. The Knobhill residential structure fire started on December 13, 2016 and resulted in \$1.2 million in property damage. Total dollar loss in Shasta County in 2016 was \$4,403,780. There was one fire-related fatality in 2016.

## ***Fire Prevention Bureau Chief/ Peace Officer—B2420 J.T. Zulliger***

The Prevention Bureau Chief is a state-funded position occupied by Battalion Chief J.T. Zulliger. Chief Zulliger transferred from the County Fire Marshal position to the Prevention Bureau Chief position in July 2016 after Chief Lance Berry's retirement. Chief Zulliger is responsible for oversight of law enforcement, investigations, and civil cost recovery for CAL FIRE/SCFD.

2016 Fire Causes	Total	2016 Fire Causes	Total
Accessories	1	Mechanical	13
Appliance	1	Other/Misc	7
Arson	23	Playing with Fire	3
Campfire	8	Spontaneous Combustion	2
Debris Burn Escapes	36	Smoking	5
Electrical	14	Undetermined	65
Electrical Power	14	Vehicle	7
Equipment	13	Vehicle Exhaust	4
Fuel System	3	Vehicle Mechanical	10
Heating	6	Total	242
Lightning	9		





### ***Fire Captain Specialist/Peace Officer–P2421 Darren Stewart***

The Fire Captain Specialist position is state-funded and is held by Fire Captain Specialist Darren Stewart. Captain Stewart has been in the Prevention Bureau since 2010 and is responsible for general law enforcement duties. In addition, he reviews and analyzes fire ignitions to determine problem area and causes.

### ***Pre-Fire Engineering/Peace Officer–P2422 John Berglund***

The Pre-Fire Engineering position is a state-funded position occupied by Captain John Berglund who transferred to the Unit from CAL FIRE's Lassen-Modoc Unit on November 7, 2016. In addition to law enforcement duties, Captain Berglund is responsible for collecting and analyzing fire ignition data for all fires within CAL FIRE/SCFD's jurisdiction. This data is prepared for inclusion in the Shasta-Trinity Unit's Fire Plan, a public document. This plan is a framework that the Shasta-Trinity Unit uses to identify fire severity problem areas where targeted fuel reduction projects can be initiated. The projects are typically carried out by resource conservation districts or fire safe councils through grant funding at the federal or state level. The pre-fire engineer supports resource conservation districts; fire safe councils; incident management teams, and emergency incidents, by providing consultation and mapping services.

### ***Fire Captain Specialist/Peace Officer–P2423 Del Beaudry***

Del Beaudry transferred to the newly-formed Fire Captain Specialist position funded by Shasta County in November 2016. Captain Beaudry has been in the Prevention Bureau since 2016 and previously served as the Pre-Fire Engineer for the Shasta-Trinity Unit. Captain Beaudry will serve as the firearms instructor for CAL FIRE law enforcement officers along with his other law enforcement and fire investigation duties.

### ***Office Technician – Jean Pierce***

The state-funded position provides clerical support for CAL FIRE law enforcement offices and the County Fire Marshal's Office. Duties include documentation records retention, database management, correspondence, public records requests, and special projects.



# *Fire Marshal & Protection Planning*

## **County Fire Marshal – P2425 Jimmy Zanotelli**

In 2016, Jimmy Zanotelli was appointed Shasta County Fire Marshal. He served as the Shasta County Fire Safety Inspector for over 10 years after his appointment in 2005. Fire Marshal Zanotelli enforces the County's Fire Safety Standards and California Fire Code under the oversight of the County Fire Warden/SCFD Fire Chief. The Fire Marshal works in cooperation with the Shasta County Planning Division by approving commercial project plans and participating in Planning Commission meetings. Fire Marshal Zanotelli also serves as a public information officer during large fires and other newsworthy events.

## **County Fire Safety Inspector – P2426 Scott Ross**

Scott Ross was appointed to the position of Shasta County Fire Safety Inspector in September 2016. The County Fire Inspector is responsible for plan review; on-site inspections for driveway standards; setback exception requests; commercial and residential fire sprinklers, and annual life safety fire inspections of businesses in Shasta County. The Inspector also performs fire alarm and hydrant test inspections.

The Fire Safety Standards can be found at the Shasta County Fire Department website:

[www.shastacountyfire.org](http://www.shastacountyfire.org)



Fire Marshal's Activity	2016	2015	Fire Marshal's Activity	2016	2015
Inspections	353	400	Parcel Maps	5	7
Violations	87	107	Property Line Adjustments	25	22
Re-Inspections	72	105	Use Permits	14	11
Exception Requests	59	40	Zoning Amendments	4	3
Fire Sprinkler Acceptance Test	156	61	Other/Misc	7	5
Commercial Hood Acceptance Test	0	1	Plan Reviews	646	600
Administrative Permits	60	32			



# *Public Affairs and Public Education*

## **Fire Prevention Specialist -P2424 Cheryl Buliavac**

The Fire Prevention Specialist position coordinates the “Volunteers in Prevention” program, school presentations, and community events. FPS Buliavac also serves as the public information officer, providing information to the public and media during emergency incidents. She is responsible for news releases; the call center during major incidents, and assisting with other public relations activities.

It is the intention of the Shasta County Fire Department to provide precise, up-to-the-minute, relevant information regarding incidents and fire department activities to the citizens of Shasta County. Informing our citizens of newsworthy information is one of our top priorities. A variety of mediums are used to accomplish this, including: phone, email, fax, and internet.



When an incident appears to be developing into a high public interest event, an information “call center” is activated. CAL FIRE Shasta-Trinity Unit/Shasta County Fire Department’s information call center is staffed by trained personnel and Volunteers in Prevention (VIP). It is critical that the community has this valuable resource to obtain current information, road closures, evacuations, and available resources to those affected. Many of our initial call takers for the information center are Department office support staff at headquarters.

The Volunteers in Prevention, under the direct supervision of the Fire Prevention Specialist, conduct fire prevention and life safety activities throughout Shasta and Trinity counties. These activities include, but are not limited to, school assembly programs; civic group presentations; defensible space inspections, and the Shasta County Fire Prevention Officer’s Fire Prevention Week. Smokey Bear and Sparky the Fire Dog work closely with the VIPs to disseminate fire prevention materials to the public at various fairs, exhibits, parades, and specialized events. In 2016, approximately 701 hours of public education were provided via school programs, parades, exhibits, displays, and presentations.



Defensible space inspections also provide public education for fire safety. The goal of the inspections is to reduce the intensity of wildland fires near structures, which reduces property damage and life threats to the public and our firefighters. Jointly, CAL FIRE and Shasta County Fire Department conducted 7,597 inspections of private residences for compliance with California Public Resources Code Section 4291.

Since its inception in 2014, the Youth Firesetter Prevention & Intervention (YFPI) program has been supported by CAL FIRE/Shasta County Fire Department personnel. The YFPI program, administered by the Youth Violence Prevention Council, provides services to youth firesetters in Shasta County, and, more recently, neighboring counties.

YFPI utilizes an evidence-based survey tool to assess each youth for potential future firesetting behavior; youth may be referred for additional services as needed. All youth who are identified as firesetters attend the annual Youth Fire Safety Academy where CAL FIRE/Shasta County Fire personnel actively participate in teaching and presenting educational interventions. The Fire Safety Academy requires that all siblings and parents also attend the two-day event.

The fall 2016 YFPI Fire Safety Academy was held at Anderson New Technology High School in Anderson and included 25 staff members, 35 youth firesetters 24 siblings, and 36 parents. Thirteen of those 35 youth firesetters started eight fires in Shasta County Fire Department's jurisdiction in 2016.





# *Fleet Services*

Jason Rodgers is the Forestry Equipment Manager (FEM) of both the CAL FIRE and Shasta County fleets. The County fleet is comprised of 102 vehicles that include fire engines, water tenders, rescues, and boats. FEM Rodgers also oversees the CAL FIRE fleet which includes approximately 150 pieces of fire equipment. The SCFD fleet is maintained by two full-time heavy equipment mechanics (HEM's), Ben Onopa and Tyler Demontigny. These mechanics service and maintain the SCFD equipment, either in the field, SCFD Volunteer Fire Stations, and the shop, located at Shasta-Trinity Unit Headquarters.

The fleet maintenance budget is roughly \$120,000, which includes \$20,000 in Measure "B" funds. County Fire strives to maintain a reliable fleet. The goal is to maintain a robust replacement schedule based on a vehicle's years of service and miles driven. However, this process has been complicated by the increased cost of new fire equipment which has outpaced the Measure "B" replacement funding. To maintain a 20-year replacement schedule on fire apparatus, the Department would need to purchase a new fire engine each year. The current Measure "B" funding does not fulfil this need. The Department has been very aggressive in renting out fire apparatus during fire season to CAL FIRE during wildland fire emergencies. The equipment rental reimbursements that are received help offset the replacement cost. In 2017-2018, the Department plans to purchase the following equipment: two Type I fire engines, two water tenders, and one utility vehicle. The engines, water tenders, and utility will be replaced using Measure "B" and re-imbursement funds.



# Office Personnel

Shasta County Fire Department and CAL FIRE support staff members provide a wide variety of services to Shasta County volunteer firefighters and CAL FIRE firefighters. The support staff is committed to providing positive customer service to all SCFD volunteers, CAL FIRE firefighters, and cooperating agencies alike.

The SCFD and CAL FIRE support staff are administered by Mike Weber, Assistant Chief – Administration.

## **The SCFD Support Staff include:**

- (1) Staff Services Analyst
- (1) Office Technician
- (1) Office Assistant
- (1) Parts Storekeeper

## **The CAL FIRE Support Staff include:**

- (2) Personnel Specialists
- (1) Finance Technician
- (1) Forestry Logistics Officer
- (1) Office Technician
- (2) Office Assistant

### ***Julia Hayen, Staff Services Analyst, SCFD***

Julia Hayen's responsibilities include the development and management of the SCFD budget as well as grant-funded expenditures and reimbursements. These activities often require written reports to the Board of Supervisors. Julia also creates and processes all payments to the volunteer firefighters (including training, call stipends, and reimbursement of fire pay) and provides annual reviews for their attendance and calculates service credits. She is also responsible for the creation of vendor contracts for services to the SCFD facilities.

### ***Office Assistant, SCFD***

Currently the Office Assistant position is un-filled due to the promotion of Rebecca Thompson to her Office Technician, SCFD. We anticipate filling this position in the very near future.

### ***Rebecca Thompson, Office Technician, SCFD***

Rebecca processes all new volunteer firefighters for SCFD. This process includes scheduling pre-employment physicals, completion of DOJ/FBI background checks, and testing for the use of self-contained breathing apparatus. She works cooperatively with Shasta County Risk Management on injury reporting and the addition of new volunteer firefighters. Rebecca also processes all accounts payable for the SCFD volunteer stations. She also works with CAL FIRE and SCFD staff to coordinate the annual SCFD Volunteer Appreciation Dinner.



**Josh Williams, Personnel Specialist, CAL FIRE**

Josh Williams is responsible for processing documents relating to hiring, pay, and other benefits of CAL FIRE, Shasta-Trinity Unit's personnel. The total number of employees during the summer months supported by his efforts can total up to 307 personnel. This includes the CAL FIRE employees that are assigned to the Palo Cedro and Redding Station's Schedule A program. Along with these duties, Josh works cooperatively with the Region and Sacramento CAL FIRE offices.

**Susan Chism, Finance Specialist, CAL FIRE**

Susan processes and audits all financial documents that CAL FIRE incurs in the Shasta-Trinity Unit. She inputs data for all expenditures and reconciliations of expenditures, while maintaining files for accountability. Susan works cooperatively with other state, federal, and county agencies to ensure all documents are submitted correctly and timely. She also processes and coordinates the distribution of payroll documents for CAL FIRE employees.

**Dina Sebrina, Office Assistant, CAL FIRE**

Dina Sebrina is the assistant to the finance specialist. She is responsible for the processing of all credit card purchases and the accurate and timely submitting of documents to the Department's accounting office. Dina also acts as the back up to the Unit Finance Specialist.



# Service Center

## ***Colleen Sykes, Forestry Logistics Officer, CAL FIRE***

Colleen Sykes' position is one of the key supporting functions of many operational needs in the Shasta-Trinity Unit and SCFD. She is responsible for understanding many policies, procedures, and regulations as they relate to purchasing through various contracts and vendors. She is the property manager for all state and federal excess equipment and is responsible for its tracking. Colleen is the keeper of all personal protective equipment (PPE) for CAL FIRE, which includes, purchase, distribution and tracking for approximately 240 Shasta-Trinity Unit employees.

Along with the purchasing and distribution of CAL FIRE PPE, she also makes all purchases to support fire emergencies. She supervises and works with the SCFD parts storekeeper to insure that all volunteer firefighters and CAL FIRE employees have the required equipment and supplies. Sykes also coordinates the overall maintenance of the headquarters facility. Lastly, she supports the cleaning and office supply needs of all of the chief officers and stations in the Unit.

## ***Allen Carroll, Parts Storekeeper, SCFD***

Allen Carroll has the daunting task of making sure that all 200-plus SCFD volunteer firefighters are properly outfitted with personal protective equipment (PPE). These articles include structural turnouts, wildland Nomex, hydration packs, and other miscellaneous gear needed by volunteer firefighters. Allen is responsible for purchasing all of SCFD's PPE, supplies, and the tracking and inventory of all items that are issued to the volunteer firefighters. He also delivers necessary supplies to volunteer stations and plays a key role in supporting fires within the SCFD response area. Finally, Allen supports all functions of the CAL FIRE side of the Service Center in collaboration with the state forestry logistics officer.





# *Battalion 1*

The Battalion is under the direct supervision of Battalion Chief Brian Noel. Battalion 1 consists of five Shasta County Volunteer Fire Companies and two CAL FIRE stations:

- Shasta County Volunteer Fire Company 10 – Cassel
- Shasta County Volunteer Fire Company 11 – Hat Creek
- Shasta County Volunteer Fire Company 12 – Old Station
- Shasta County Volunteer Fire Company 13 – Soldier Mountain
- Shasta County Volunteer Fire Company 70 – Big Bend
- CAL FIRE Burney Station 14
- CAL FIRE Big Bend Station 19

The Battalion serves a population of approximately 4,800 residents and covers an area of 336,412 acres. Each SCFD Battalion 1 volunteer fire company has a Type II engine, Type III engine, water tender, and rescue. The Shasta County Fire Department has the jurisdictional responsibility for fire protection in the communities of Big Bend, Cassel, Hat Creek, Old Station, Pondosa, Dana, and Soldier Mountain; and Lake Britton and Burney Falls State Park.

Through winter preparedness augmentation funds, CAL FIRE Burney Station 14 has remained fully staffed thru the winter months of 2016. This has provided additional service to the citizens of Shasta County for 173 calls in the Burney, Cassel, Big Bend, Hat Creek, Solider Mountain, and Old Station Areas. The engine is staffed for 24 hours a day with a minimum of three personnel (one company officer and two firefighters).



### **Shasta County Volunteer Fire Company 10 – Cassel**

Company 10 is served by six volunteer firefighters led by Volunteer Chief Don Chaix. Company 10 is the primary fire company for Cassel, Lake Britton, and Burney Falls State Park. The Company serves a population of 207 permanent and seasonal residents. The area is a popular outdoor recreation area for hunting, fishing, camping, and boating. The Company's primary response area includes three Pacific Gas & Electric (PG&E) power houses along Hat Creek and the Pit River; and the Lake Britton (Pit 3) dam. There are two state highways (Highway 299 East and Highway 89), the Pacific Crest Trail, Burney Falls State Park, several public and private campgrounds, two large construction companies, two large PG&E natural gas transmission lines, and multiple main electrical transmission lines. The communities served by Company 10 have two fire safe councils: Burney Fire Safe Council (Lake Britton area) and the Hat Creek Valley Fire Safe Council (Cassel proper). The fire safe councils have identified four separate evacuation collection points that lie within Company 10's primary response area. The pre-identified collection points are the Cassel Volunteer Fire Station, Mountain Christian Academy, Hat Creek Construction, and Burney Falls State Park.

In 2016, the volunteer firefighters from Company 10 dedicated many hours to training, emergency response, and fundraising. The Company is supported locally by the Cassel Volunteer Fire Company, Inc. In 2016, there were 78 incidents in the Cassel area.

### **Shasta County Volunteer Fire Company 11 –Hat Creek**

Company 11 is served by 14 volunteer firefighters led by Volunteer Chief Richie Hathaway III. Company 11 serves a community of 500 permanent and seasonal residents. The area is a popular outdoor recreation area for hunting, fishing, camping, and hang gliding. State Highway 89 and Hat Creek run north and south through its entire response area. Company 11 also responds to the communities of Cassel, to the north, and Old Station, to the south. The Company's jurisdiction falls entirely within the Hat Creek District of the Lassen National Forest. Within Company 11's response area is a popular north state hang gliding launch area on the Hat Creek rim, several public and private campgrounds, and the Hat Creek Radio Observatory; a space research facility operated as a partnership between the University of California, Berkeley, and the Search for Extraterrestrial Intelligence Institute (SETI). The Hat Creek Valley Fire Safe Council serves the entire populated area within Company 11's response area and has identified Station 11 as one of its evacuation collection points.

In 2016, the volunteer firefighters from Company 11 dedicated many hours to training, emergency response, and fundraising. The company is supported locally by the Hat Creek Volunteer Fire Department, Inc. Company 11 volunteers continue their local firefighter training program for area teens. The program provides teens with future job training and promotes interest in becoming a volunteer firefighter. In 2016, there were 55 incidents in the Hat Creek area.

### **Shasta County Volunteer Fire Company 12 – Old Station**

Company 12 is served by three volunteer firefighters led by Volunteer Chief John Parrish. The Company serves a community of 51 full-time residents, with another approximately 2,000 summer residents. The area is a popular outdoor recreation area for hunting, fishing, camping, and sledding. State Highways 89 and 44 run through the response area. Company 12's response area falls entirely within the Hat Creek District of the Lassen National Forest and borders the Lassen Volcanic National Park. Within the Company's response area are two fishing resorts, three public campgrounds, a gas station/market, and a restaurant. The Hat Creek

Valley Fire Safe Council serves the entire populated area within the response area and identified Station 12 as one of its evacuation collection points.

In 2016, the volunteer firefighters from Company 12 dedicated many hours to training, emergency response, and fundraising. The Company is supported locally by the Old Station Volunteer Fire Department, Inc. In 2016, there were 63 incidents in the Old Station area.

### **Shasta County Volunteer Fire Company 13 – Soldier Mountain**

Company 13 is served by 13 volunteer firefighters led by Volunteer Chief Greg Mayer. Company 13 serves the communities of Pondosa, Dana, and Soldier Mountain, with a seasonal and permanent resident population of approximately 120 people. The Company's primary response area is a combination of remote timberland, wetlands, ranch, and agricultural land. State Highway 89 runs through the west portion of the response area. There is a large wild rice processing facility, two large PG&E natural gas pipelines, several large power transmission lines, and fishing resorts in the response area.

In 2016, the volunteer firefighters from Company 13 dedicated many hours to training, emergency response, and fundraising. The Company is supported locally by the Soldier Mountain Volunteer Fire Company, Inc. In 2016, there were 73 incidents in the Soldier Mountain area.



### **Shasta County Volunteer Fire Company 70 – Big Bend**

Company 70 is served by six volunteer firefighters led by Volunteer Chief David Green. Company 70 serves a community of 150 permanent and seasonal residents. The area is a popular outdoor recreation area for hunting, fishing, and camping. The community of Big Bend is a remote area of Shasta County and is 18 miles from the closest fire company, located in Montgomery Creek. The Pit River runs through the entire response area and there are several small reservoirs along the Pit and McCloud River. The response area also includes three PG&E power houses, two PG&E dams, several PG&E main electrical power lines, Iron Canyon Reservoir, several private campgrounds, a market/gas station, and a large school.

In 2016, the volunteer firefighters from Company 70 dedicated many hours to training, emergency response, and fundraising. The Company is supported locally by the Big Bend Volunteer Fire Company Auxiliary. In 2016, there were 25 incidents in the Big Bend area.



## *Battalion 2*

The Battalion is under the direct supervision of Battalion Chief Ken Lowe. Battalion 2 consists of four SCFD Volunteer fire companies and four CAL FIRE Stations:

- Shasta County Volunteer Fire Company 30 - Oak Run
- Shasta County Volunteer Fire Company 33 - Bella Vista
- Shasta County Volunteer Fire Company 71 - Montgomery Creek
- Shasta County Volunteer Fire Company 72 - Jones Valley
- CAL FIRE Buckhorn Station 34
- CAL FIRE Shasta College Station 73
- CAL FIRE Diddy Wells Station 74
- CAL FIRE Hillcrest Station 75

Each volunteer fire company in Battalion 2 has a Type II structure fire engine, a Type III wildland fire engine, rescue unit, and water tender. These companies are actively involved in recruitment, training, emergency response, facility and equipment maintenance, and various fundraising activities. The majority of the Battalion is within the 1,000' to 6,000' elevation range which has been severely impacted by the previous drought conditions. The fire stations in Battalion 2 provide services to the following communities in Shasta County:

- |                                |                    |
|--------------------------------|--------------------|
| • Shasta College, Redding area | • Montgomery Creek |
| • Jones Valley                 | • Moose Camp       |
| • Bella Vista                  | • Big Bend         |
| • Palo Cedro                   | • Hillcrest        |
| • Ingot                        | • Oak Run          |
| • Round Mountain               | • Whitmore         |

Each of these communities poses a variety of challenges to fire personnel including: industrial and commercial structures; large distribution facilities, and a variety of dynamic fuel and topography types. The Battalion is also affected by severe weather conditions, such as snow and ice, during the winter months.



## **Shasta County Volunteer Fire Company 30 – Oak Run**

Stationed in Oak Run, SCFD Company 30 is led by Volunteer Chief Linda Barneby. Company 30 was dispatched to 41 calls in 2016 and is served by four volunteer firefighters. Company members have spent numerous hours training on medical emergencies, structure and vehicle fires, vegetation fires, hazardous materials, power line incidents, traffic collisions, structure protection, fire prevention, and equipment operations (such as pumping and vehicle extrication).

Company 30 protects the communities between Highway 299 East to Highway 44 East, including Oak Run, Mill Creek Estates, and Whitmore. Area population is approximately 800 persons within 100 square miles. With limited water supplies, fire operations rely on large ranch access, running creeks, and water tenders from other response areas. Land protection consists of Roseburg, Sierra Pacific Industries, and Beaty timberlands, and several large private ranches. Oak Run has an elementary school; small grocery store with fuel storage; and a United States Post Office. A PG&E substation is located in Oak Run and a PG&E hydropower plant is situated at Cow Creek below Kilarc Reservoir. Company 30 is also responsible for fire protection around the 500 KV transmission lines that run from the north end of the response area through to the south end.

The members of the Oak Run Volunteer Fire Company, Inc. have spent most of the year promoting the recruitment of volunteers. A new recruitment sign has been installed at the intersection of Oak Run Road and Oak Run to Fern Road. It has a solar light that illuminates the west facing sign at night.

A mapping committee was formed and updated maps of Oak Run has been submitted to the Shasta County Fire Department for further review and distribution.

Company 30 also protects the Philips Brothers Saw Mill, located on Bull Skin Ridge Road, which is a nationally-registered historical site in Oak Run and is the last fully steam-powered lumber mill in America. The mill is on 920 acres of surrounding timber and is utilized to mill and plane lumber, and build boxes.

Company 30 works side-by-side during fire season with CAL FIRE Buckhorn Station 34 and utilizes additional volunteer support from SCFD Montgomery Creek Station 71 and SCFD Whitmore Station 31. CAL FIRE Shasta College Station 73 and SCFD, Schedule A, Palo Cedro Station 32 assist Company 30 with fire protection during the winter seasons.

## **Shasta County Volunteer Fire Company 33 – Bella Vista**

Housed on Highway 299 East in Bella Vista, Shasta County Fire Department (SCFD) Station 33 is led by Volunteer Chief Ron Smith. The Company consists of eighteen volunteers and three prospective recruits. In 2016, Company 33 was dispatched to 604 emergency incidents, with 324 of those incidents located outside of its immediate response area.

Company members completed a combined total of over 4,069 training hours on structure fires, wildland fires, structure protection, medical emergencies, hazardous materials, power line incidents, vehicle accidents and





fires, fire prevention, and equipment operations (such as pumping and vehicle extrication). The company also assisted in 7 strike team assignments out of county, including Los Angeles, Monterey, Napa, Fresno and Siskiyou areas. The Company was also very active in fundraising activities, community events and standbys. Included in this year's achievements was a new heating and air conditioning system at the station. Company 33 protects 22.4 square miles and has an approximate population of 2,800.

Protection area includes Bella Vista Water District, Bella Vista Elementary School, fuel stations, a restaurant, grocery stores, and United States Post Office. Company 33 also responds closely with Shasta College, Jones Valley and Palo Cedro, as well as responses into the Ingot canyon. Occasionally company 33 is called for coverage for the City of Redding.

Company achievements include Kayla Bell as the Company's firefighter of the year, Bob Baker personally responding to 433 calls, every active member of the company responding to more than 20% of the company's calls for an average of 5.69 personnel per call for a total of 3438 personal responses.

The goal for the company for the upcoming year is to get most of the company members "Red Carded" to be able to respond to statewide out-of-county assignments.



### **Shasta County Volunteer Fire Company 71 – Montgomery Creek**

Shasta County Fire Department (SCFD) Montgomery Creek has two fire stations - Station 1 is located on Hwy 299 in Round Mountain - it has a rescue and a Type II structure engine. Station 2 is located on Hillcrest Drive in Montgomery Creek and has a Type III wildland fire engine and water tender.

Company 71 members include Volunteer Fire Chief, Theresa Carroll, with a total of nine volunteers and 2 new recruits. Company 71 actively protects the communities of Round Mountain, Montgomery Creek, Hillcrest, Moose Camp, Big Bend, Oak Run, and Ingot, with a yearly population of roughly 1,420, and covers approximately 300 square miles. In its response area and surrounding Highway 299 East, Company 71 protects two United State Post Offices, two elementary school sites; a PG&E substation including 500KV



transmission lines; Hatchet Mountain Wind Farm; a heavy-equipment repair shop, a café, two hydroelectric dams, a medical clinic; and Roseburg and Sierra Pacific Industry timberlands. In 2016, Company 71 was dispatched to 251 emergency incidents. Approximately 3,730 hours were spent training on structure fires, vegetation fires, medical emergencies, vehicle fires, hazardous materials, power line incidents, vehicle accidents, structure protection, fire prevention, and equipment operations (such as pumping and vehicle extrication). All Company members have their “Red Card” status for statewide out-of-county assignments.

### **Shasta County Volunteer Fire Company 72—Jones Valley**

Company 72 serves the community of Jones Valley and surrounding areas. The area has 400 homes with 800 full-time residents. The population of the area can more than double with summer vacationers and visitors to the lake areas.

Company 72 is served by five active volunteers and led by Volunteers Travis Tygielski and Slade Giles. Station 72 houses one structure engine, one wildland engine, one rescue unit, one water tender, and one fire/rescue boat.

During 2016, Company 72 personnel were dispatched to 168 incidents and trained for 872 hours on emergency medical services, boat operations, hazardous materials response, drivers training, technical rescue, structure and wildland fires, defensive driving, preventative maintenance, forcible entry, ground ladders, fire suppression, etc.

Company 72 personnel protect the community of Silverthorne, which poses a significant wildland fire threat due to limited access (only one access and egress route). There are multiple marinas, resorts, and commercial establishments within the response area.



## Shasta County Fire Department (Amador) Station 73 – Shasta College

Shasta College Station 73 provides emergency services to northern Shasta County in the communities of Bella Vista, Jones Valley, Lakehead, and the areas in and around the Shasta College Fire District. The station is located on the Shasta College campus and is staffed year-round under a cooperative agreement between Shasta College and CAL FIRE.

Shasta College Station 73 emergency responses have more than doubled in the last five years. In 2016, responders went to 1095 emergencies; and 48 of those calls being at the Shasta College campus itself. Station 73's staff is responsible for the training and staffing of the Shasta County Boat Operations Program and is also instrumental in delivering the mandatory Basic Wildland Training certification and the Battalion 2 multi-company drills at the Shasta College Regional Training Grounds.

Station 73 utilizes the college student "Ride-along" program to allow volunteers time to experience fire department life during the winter months. The program has been influential for the students to achieve full-time fire service employment. Station 73 works closely with SCFD Jones Valley Company 72, SCFD Bella Vista Company 33, SCFD Lakehead Company 54, and the Shasta College Fire Academy program.



Station 73 immediately protects approximately 300 square miles of the county's population. Its response area includes medicals, traffic collisions, and vehicle and vegetation fires along the I-5 corridor and Highway 299 East. The Station also provides service to Shasta College, local fuel stations and grocery stores; PG&E substations; elementary schools and Foothill High School; large private ranches; lands surrounding Shasta Lake (including medicals and fires on the lake); and shares a Mutual Threat Zone (MTZ) with Redding City Fire Department.

# *Battalion 3*

The Battalion is under the direct supervision of Battalion Chief Felix Berbena. Battalion 3 consists of two volunteer fire companies and two CAL FIRE stations:

- Shasta County Volunteer Fire Company 20 – Shingletown
- Shasta County Volunteer Fire Company 31 – Whitmore
- CAL FIRE Shingletown Station 22
- CAL FIRE Whitmore Station 35

Located in southeastern Shasta County, Battalion 3 encompasses the communities and surrounding areas of Millville, Shingletown, Whitmore, Viola, and Manton. Millville Fire Protection District (MFPD) also provides protection in and around the community of Millville. Shasta County Fire Department is a cooperator with area fire agencies, having automatic aid fire protection agreements with both Millville FPD and Tehama County Fire (Manton Volunteer Fire Company) to provide protection to the citizens of Shasta County based on the closest resource concept.

## **Shasta County Volunteer Fire Company 20—Shingletown**

The Volunteer Company is led by Volunteer Chief Justin Tavalero and utilizes three stations. The locations of these stations are Shasta Forest Village, the Starlite Pines Subdivision, and the intersection of Alward Way and Highway 44. Company 20 was dispatched to a total of 566 incidents in 2016. There are 10 volunteer firefighters who are fully-trained responders, along with two new recruits that are in training. Resources utilized to respond to these incidents include two structure fire engines, one wildland fire engine, two 3,000-gallon water tenders, and three rescues. One of the rescues is fully equipped with extrication rescue tools.

Critical infrastructure within and around the community includes PG&E natural gas lines, PG&E and WAPA high-voltage transmission lines, Volta Powerhouse, a medical clinic, Black Butte Elementary and Middle School, church and private camp/recreational facilities, public camping and recreational sites, and commercial timberland. Commercial businesses located in Shingletown include: grocery stores, restaurants, a small business park, and several other small businesses, totaling approximately 115,000 sq. ft.

Roughly 1,800 residential structures are in and around Shingletown, including approximately 250 summer homes/cabins. The resident population is nearly 4,500.





## **Shasta County Volunteer Fire Company 31—Whitmore**

Company 31 utilizes one station in Whitmore and is led by Volunteer Chief Bill Ellis. The Volunteer Company was dispatched to a total of 45 incidents in 2016. There are eight trained responding volunteer firefighters. Resources utilized to respond to these incidents include one structure fire engine, one wildland fire engine, two 2,000-gallon water tenders, and one rescue.

Critical Infrastructure within and around the community includes PG&E natural gas lines, PG&E and WAPA high-voltage transmission lines, Kilarc Powerhouse, Whitmore Elementary School, Whitmore Community Center, a private church camp/school, public recreational sites, and commercial timberland. Additional commercial businesses located in Whitmore include a general store, post office, and a private winery and antique store, totaling approximately 20,000 sq. ft.

Almost 350 residential structures are located in Whitmore including 20 summer homes/cabins. The resident population is approximately 700.

## **CAL FIRE Station 22—Shingletown**

CAL FIRE Station 22 provides additional protection to Shingletown and surrounding areas during the months that the CAL FIRE station at Whitmore is unstaffed. The engine is staffed for 24 hours a day with a minimum of two personnel (one company officer and one firefighter). CAL FIRE provides the company officer and Shasta County Fire funds the firefighter position. A CAL FIRE Engine is utilized and housed at a CAL FIRE facility. This engine responded to a total of 244 incidents during the 5-month Amador period in 2016. For the entire year, Station 22 responded to 581 incidents, with the majority being SCFD responsibility incidents. This is a prime example of the cooperative working relationship between SCFD and CAL FIRE in Shingletown.



# *Battalion 4*

Battalion 4 is under the direct supervision of Battalion Chief Scott Corn. Battalion 4 consists of three volunteer fire companies, one Shasta County Fire Department station, and one CAL FIRE station:

- Shasta County Volunteer Fire Company 32 – Palo Cedro
- Shasta County Volunteer Fire Company 54 – Lakehead
- Shasta County Volunteer Fire Company 55 – West Valley
- Shasta County Fire Department Palo Cedro Station 32
- CAL FIRE Redding Station 43

The Shasta County Fire Department's Battalion 4 is located on the valley floor and along the Interstate 5 and Sacramento River corridor running north and south between the borders of Siskiyou and Tehama Counties. Redding Battalion 4 is interspersed with three incorporated cities which include the City of Redding, the City of Anderson, and the City of Shasta Lake. There are three unincorporated communities within the Battalion which are served by independent Fire Districts that include Mountain Gate, Happy Valley, and Cottonwood. The northern portion of Battalion 4 north of Shasta Lake lies within Federal Direct Protection Areas and is administered by the United States Forest Service (USFS), Shasta-Trinity National Forest. While the statutory responsibility for all wildland fires on these lands rests with the USFS, the protection responsibility for all medical aids, traffic collisions, hazardous conditions, and fires involving boats, automobiles, structures, and other improvements is served by the Shasta County Fire Department (SCFD), administered by CAL FIRE under contract.

Redding Battalion 4 is comprised of an integrated, multi-agency workforce of State, Local, and Federal firefighting resources that provide fire protection to the more than 33,000 of the 70,000 residents whom SCFD serves through various types of Automatic Aid, Mutual Aid, and other cooperative fire agreements. It's through these various types of agreements that the SCFD is committed to meeting its objective of fostering relationships with its local and federal agency cooperators and stakeholders to share resources as a cost effective approach to providing services as outlined in the SCFD's 2014 Master Plan.



Battalion 4 is largely comprised of commercial, industrial, residential, agricultural, railroad, and highway uses, including Interstate 5 and State Highways 44 and 273. Located in the center of the Battalion running north and south is the Union Pacific Railroad (UPRR), hauling a diversified business mix of agricultural products, automobiles, chemicals, coal, industrial products and intermodal freight moving among the 23 western states. Industrial properties within SCFD's south county protection area include two active lumber mills, Sierra Pacific Industries and Siskiyou Forest Products, and three large bulk propane facilities that include Amerigas, Campora, and Blue Star Gas. Located throughout the Battalion are numerous primary and secondary public schools to include Prairie and Pacheco elementary schools and West Valley and Foothill High Schools to name a few. There are many mixed commercial developments from the community of Lakehead to the north and Hwy 273 and Latona Road to the south including UPS's Redding Freight Distribution Center, Meeks Hardware and building supplies, and the Win River Casino with its 80,000 square foot gaming center, 40,000+ square foot two story administrative and tribal center, and a three story, 84 room hotel and spa. There are many retail centers located throughout the Battalion including restaurants, lodging, food supplies, recreation activities and equipment, traveler services (including gasoline fueling facilities), and entertainment related facilities.

Other infrastructure within the west side of the Battalion includes Pacific Gas and Electric Company's gas pipelines which deliver natural gas to the City of Redding's Electric Utility Cogeneration Plant through large underground pipes located underneath the UPRR tracks and along Hwy 273 and Clear Creek Road. The Sierra Pacific Industry in Anderson is currently permitted to construct and operate a new stoker boiler capable of generating 31 megawatts of gross electrical output, up from its current 4 megawatts of power, from the combustion of clean cellulosic biomass, and related auxiliary equipment. A complex network of large high voltage transmission lines traverses the Battalion, delivering power from the Lake Shasta Dam's hydroelectric plant to many areas of the state, including Canada and Mexico. A large portion of Lake Shasta is located within the Battalion and is the largest reservoir in California. At full pool, Lake Shasta has an elevation of 1,067 feet above sea level, a surface area of 30,000 acres, a shoreline that stretches for over 365 miles, and a storage capacity of more than 4 million acre feet of water. Lake Shasta is a unique tourist destination, drawing thousands of visitors each summer for both seasonal and year round attractions including house boating, water skiing, the Shasta Caverns, nightly dinner cruises, and its many campgrounds and shoreline fishing spots. The Sacramento River meanders throughout the central portion of Battalion 4 bringing with it an increased demand for seasonal rafters, boating, and fishing enthusiasts. Bridge Bay and the I-5 corridor approaching the Pit River and the \$124 million dollar Antlers Bridge replacement project in Lakehead presents a high demand for fire department services to the SCFD, especially for EMS type calls during the summer months. SCFD is faced with providing a complex and diverse level of fire and other emergency response to its citizens, the SCFD continues to work towards meeting its 2014 Master plan goal of increasing operational efficiencies by developing procedures that both immediately reduce response times and increase response safety by installing traffic control devices on newly purchased SCFD front line fire apparatus, and working closely with the Shasta County Department of Resource Management, Building Division, in establishing a county wide municipal ordinance requiring businesses to install a rapid entry system for responding firefighters.

Fire Protection within the Battalion is largely made up of career paid staffing, specifically within the incorporated cities and Fire Protection Districts, while CAL FIRE/SCFD career and volunteer firefighters make up the majority of the firefighting work force in the unincorporated areas of the Battalion. The make-up of career and volunteer staffing within Battalion 4 include two career staffed CAL FIRE Type III fire engines, two career staffed SCFD Type II fire engines, and three SCFD volunteer fire companies.



### **Shasta County Fire Department Station 32 – Palo Cedro (career and volunteer staffed)**

Schedule A, Engine 32 is staffed with a minimum of 2 personnel is co-located with Volunteer Fire Company 32 which was led by Volunteer Chief Tom Fields. The community of Palo Cedro has a population of approximately 1,269 people based on the 2010 census. Palo Cedro is largely comprised of residential, agricultural, commercial, and highway uses. Within the core of the community located near Deschutes Road and State Hwy 44 is a mix of commercial properties including a supermarket, strip mall retail centers, and four educational institutions including the Foothill High School, Bishop Quinn Catholic Center, North Cow Creek School, and Junction Elementary School. In 2016, Station 32 responded to 686 incidents and Company 32 was dispatched to 427 incidents.

### **CAL FIRE Redding Station 43**

CAL FIRE/SCFD Redding Fire Station 43 is located on Airport Road in Redding and is served by one SCFD Type II fire engine under Schedule A contract with CAL FIRE staffed with a minimum of 2 personnel, and two Type III Schedule B fire engines staffed with a minimum of 3 personnel during the peak fire season months of June 1<sup>st</sup> through October 31<sup>st</sup>. While CAL FIRE's primary mission emphasizes the management and protection of California's natural resources from wildland fires, these two engines can be dispatched to the scene of an auto accident, structure fire, or to a home where a child has become the victim of a drowning incident within SCFD's jurisdiction. During the non-wildfire season period of November 1<sup>st</sup> through May 31<sup>st</sup>, staffing at Station 43 is reduced to one SCFD Type II fire engine and one Type III fire engine staffed with a minimum of 2 under Amador contract with the SCFD. This winter Water Tender 47 was staffed with paid personnel when available and on duty. This aided the county wide response of having a rural water source respond immediately in lieu of awaiting the arrival volunteer personnel. In 2016, Station 43 responded to 1760 Incidents.





### **Shasta County Volunteer Fire Company 54 – Lakehead**

Company 54 serves the greater Lakehead area and the community of Lakehead, located 10 miles north of Redding off Interstate 5 on the northern shores of Lake Shasta. The area has approximately 800 home with nearly 900 full time residents. During the summer months, the population in this community nearly triples in size to over 2500 residents and visitors. There are currently no volunteer firefighters in the company and efforts continue regarding volunteer firefighter recruitment.

### **Shasta County Volunteer Fire Company 55 – West Valley**

The West Valley Volunteer Fire Company is led by Volunteer Fire Chief Shawn Plummer. While West Valley is considered a part of the community of Cottonwood for census purposes, it is estimated that approximately 750 residents are served by the West Valley Volunteer Fire Company. The area boasts a mix of mainly residential and agricultural uses with small commercial facilities and the West Valley High School. In 2016, Volunteer Fire Company 55 responded to 145 incidents.



# *Battalion 5*

The Battalion is under the direct supervision of Battalion Chief Dave Hotchkiss. Battalion 5 consists of four volunteer fire companies, and two CAL FIRE stations (one Amador):

- Shasta County Volunteer Fire Company 50 – Igo/Ono
- Shasta County Volunteer Fire Company 52 – Centerville
- Shasta County Volunteer Fire Company 53 – Keswick
- Shasta County Volunteer Fire Company 59 – French Gulch
- CAL FIRE Ono Station 57
- CAL FIRE Shasta Station 58

Battalion 5 is comprised of the communities of Centerville, Igo/Ono, Keswick, French Gulch, and Platina. The Battalion lies at the foot of the California Coast Range with elevations ranging from 500 to 6919 feet. The Whiskeytown National Recreation Area and the Shasta Fire Protection District are also located within the Battalion. The Battalion is comprised of oak woodland, chaparral, and timberland with residential subdivisions located within the wildland. All of the communities within the Battalion have the potential for a catastrophic Wildland Urban Interface (WUI) fire due to population density and fuel loading. These communities are served by four volunteer fire companies, and two CAL FIRE stations.





## **Target Hazards**

Critical infrastructure within the Battalion include Shasta Dam and Powerhouse, Keswick Dam and Powerhouse, Carr Creek Powerhouse, Spring Creek Powerhouse, and the associated power lines that carry the electricity from these facilities to the rest of the state. State Highway 299 and 36 transverse the Battalion carrying thousands of travelers and hazardous materials to and from the north coast of California each year. Public school campuses located in Platina, Igo, Centerville and French Gulch as well as the Keller Lumber Company in Keswick are examples of the substantial fire and rescue risk located within the Battalion. The Sacramento River and Clear Creek present water rescue hazards due to the heavy summertime recreation use enjoyed by the area residents.

The numerous hiking and biking trails in Centerville, Keswick, and Whiskeytown have increased over the years and the number of remote area rescues on these trails has increased as well. This presents a unique rescue task that frequently involves the Shasta County Fire Department, the Shasta County Sheriff's Department, the California Highway Patrol helicopter, and the National Park Service personnel at Whiskeytown.

## **Incidents**

At 10:45pm on July 8<sup>th</sup>, 2016 the Fiddler fire occurred in Ono. The fire burned 441 acres off of Fiddlers Road in Ono. Homes in the area were briefly threatened and one was destroyed. CAL FIRE and SCFD units contained the fire by the next morning and no injuries resulted from the fire.

On August 21<sup>st</sup>, 2016, a structure fire occurred in the 9000 block of Placer Road in Centerville. CAL FIRE and SCFD units found a single-story home with the garage and attic involved in fire when they arrived. The fire was contained with a successful fire attack and the fire did not spread into the surrounding wildland. No injuries were reported.

On October 12<sup>th</sup>, 2016, a structure fire occurred in the 14000 block of Trinity Mountain Road in French Gulch. CAL FIRE and SCFD units found a single-story home well involved in fire when they arrived. The fire was contained with a successful fire attack, but the home was destroyed. No injuries were reported.

On December 13<sup>th</sup>, 2016 a structure fire occurred in the 8900 block of Knobhill Circle in Centerville. CAL FIRE and SCFD units found a two-story home with the garage and attic involved with heavy fire when they arrived. The home was destroyed by the fire with over a \$1 million-dollar loss.



### **Shasta County Volunteer Fire Company 50 - Igo/Ono**

The Igo/Ono Volunteer Fire Company currently has a roster of 4 volunteer firefighters and is led by Volunteer Chief Doug Atkins. The community contains over 600 residents and it is comprised of mainly rural residences, ranches, and wildland. The City of Redding and the County of Shasta operate a land-fill east of Igo and the Northern California Veterans Cemetery is located south of town.

The fire company has a station in Igo and a satellite station in Ono. The fire company operates 2 structure fire engines, 1 wildland fire engine, 1 water tender, and 1 rescue vehicle. In 2016, there were 100 incidents within the community of Igo and Ono.

### **Shasta County Volunteer Fire Company 52 - Centerville**

The Centerville Volunteer Fire Company currently has a roster of 23 volunteer firefighters and is led by Volunteer Chief John Luntley. The community is comprised of mainly residential subdivisions and wildland. The community has numerous houses of worship, a feed store; mini-storage and the Grant elementary/middle school campus are examples of the target hazards in station 52's response area.

The fire company operates 1 structure fire engine, 1 wildland fire engine, and 1 rescue vehicle. In 2016, there were 138 incidents within the community of Centerville.

### **Shasta County Volunteer Fire Company 53 - Keswick**

The Keswick Volunteer Fire Company currently has a roster of 9 volunteer firefighters and is led by Volunteer Chief Joe Pollard. The community is comprised of rural residences, residential subdivisions, light commercial, electrical power infrastructure, and wildland. The Keller lumber company and the Iron Mountain Mine are located in Keswick. Shasta Dam/Powerhouse, Keswick Dam/Powerhouse, and the Spring Creek Powerhouse are all located in station 53's response area.

The fire company operates 1 structure fire engine, 1 wildland fire engine, 1 water tender, and 1 rescue vehicle. In 2016, there were 147 incidents within the community of Keswick.





### **CAL FIRE Shasta Station 58**

CAL FIRE Station 58 provides additional protection to SCFD jurisdiction west of Redding during the winter months. An engine is staffed at Station 58 24 hours a day, with a minimum of 2 personnel. An SCFD breathing support trailer unit is housed out of the facility and is coverage as incidents dictate. During fire season, CAL FIRE staffs 2 wildland fire engines and 1 bull dozer at the station. In 2016, station 58 responded to 705 incidents.

### **Shasta County Volunteer Fire Company 59 - French Gulch**

The French Gulch Volunteer Fire Company currently has a roster of 5 volunteer firefighters and is led by Volunteer Chief Cliff Shattuck. The community contains over 300 residents and it is comprised of mainly of rural residences, historical commercial businesses, and wildland. The French Gulch Hotel built in 1885 is a historic business that was built in the gold mining era. The Carr Creek Powerhouse is located in station 59's response area.

The fire company operates 1 structure fire engine, 1 wildland fire engine, and 1 rescue vehicle. In 2016, there were 84 incidents within the community of French Gulch.



# *Shasta Cascade Hazardous Materials Response Team*

It was another successful year for our local hazardous materials incident response team. Our 50+ Haz Mat Technicians and Specialists from across our 6-county jurisdiction (Shasta, Trinity, Lassen, Modoc, Siskiyou, and Tehama) continued to provide our communities with superior emergency Hazardous Materials response services. My foremost appreciation goes to all of these Team Members for their commitment, enthusiasm, and effort. Also, my sincere appreciation to SCHMRT Program Manager, Battalion Chief Andy Reiling, and Shasta County Fire Chief Mike Hebrard for the opportunity to serve another year as the Operations Director for the team.

In 2016, the team responded to a total of 44 incidents. Of these, one was a Level 2 response (full team), while the remainder of incidents were efficiently handled by local SCHMRT resources. The Level 2 incident occurred at the City of Anderson Waste Water Treatment Plant on January 21<sup>st</sup> during a sulfur dioxide release that mildly exposed one worker to toxic fumes. Not included in these counts are the many additional consultation calls that I receive weekly from various communities & agencies in our 6-county territory on how best to mitigate potential chemical issues or challenges.

In 2016, the SCHMRT members completed ten (10) monthly drills. Below is a breakdown of these:

- Jan 27 – Chemistry Review and Orientation for New Members (8 hours)
- Feb 17 – Circuit Stations at Redding Fire Station 8 (4 hours)
- Mar 23 – CAMEO/ALOHA software review at Redding City Hall (6 hours)
- Apr 20 – Level A entries at Red Bluff Waste Water Treatment Plant (6 hours)
- May 26 – Chemical Disaster Drill in Weaverville (8 hours)
- Jul 20 – Circuit Stations at Redding Fire Station 8 (4 hours)
- Aug 17 – Circuit Stations at Redding Fire Station 8 (4 hours)
- Sep 20 – Chemical tank patching drill at tank farm in Susanville (8 hours)
- Oct 19 – Large-scale chemical disaster drill in Willows (Glenn Co) (8 hours)
- Dec 19 – Circuit Stations at Redding Fire Station 8 (4 hours)

In total, our SCHMRT members documented many hours of training over the year. Our goal remains to provide our team with a realistic training environment to best match the local concerns in each of our member counties. Along the way we make every effort to visit each county at least every few years.



# *Shasta County Fire Department Boat Program*

Shasta County Fire Department has two fire/ rescue boats that provide emergency response on Lake Shasta. The fire/rescue boats respond to water rescues, medical aids, boat collisions, boat fires, vegetation fires, search and rescue, and other calls for service. The fire/rescue boats are often used on vegetation fires to transport firefighters to areas inaccessible by ground. The SCFD Boat Program personnel work closely with the Shasta County Sheriff's Boating Safety personnel. In 2016, SCFD Boat Program personnel responded to 34 incidents on Lake Shasta and personnel completed several hundred hours of training.

During summer months, the boats are strategically located to balance out response times. Boat 1 is located at Bridge Bay Marina and Boat 2 is located at Jones Valley Marina. During the winter months, both boats are pulled from the water with one boat moored at Bridge Bay for emergency responses.

Lake Shasta is a popular spot for boating, water skiing, camping, house boating, and fishing. Lake Shasta has a surface area of 30,000 acres and 365 miles of shoreline, making it the State's largest reservoir and the third largest body of water after Lake Tahoe and the Salton Sea. It was formed by the damming of the Sacramento River, Pit River, and McCloud River, referred to as "arms." These make up three of the four arms; the other being the Squaw Creek Arm.



# *Redding Air Attack Base [RAAB]*



The Redding Air Attack Base (RAAB) was established in the late 1960s and is located at the CAL FIRE Northern Operations Center on Airport Road. The RAAB is an interagency base shared by CAL FIRE and the United States Forest Service (USFS).

RAAB responds to an average of 200 calls per year. CAL FIRE staff at the base consists of: one battalion chief, two fire captains, one fire apparatus engineer, and five seasonal firefighters. The complement of aircraft assigned includes, Air Attack 240, which is an OV-10 Bronco, and two S-2T air tankers, T-94 and T-95. These air tankers are capable of carrying 1,200 gallons of fire retardant. Also, assigned to the base, is Air Attack 503, a King Air 200. This aircraft is used as a training platform for new Air Tactical Group Supervisor (ATGS) students. CAL FIRE's first full time Aerial Supervision Module (ASM) platform was temporarily based at Redding in 2016. The aircraft was AA505 an OV-10 Bronco call sign "Charlie One". This platform fills the role of a lead plane and aerial supervision on major and extended attack incidents.

RAAB has a vast response area, which spans from Red Bluff to the Oregon Border, and from Hayfork to Mt. Lassen. CAL FIRE has strategically located its air resources throughout California, with the goal of providing air resources to any fire incident within 20 minutes.

2016 was a below average summer for the Redding Air Attack Base. The aircraft based at RAAB delivered 357 loads of retardant totaling 642,727 gallons. This is approximately 200,000 gallons below the ten-year average. The highest one-day total on record occurred in 1999, when the base delivered 290,000 gallons of retardant, while supporting the Jones Fire in the Bella Vista area. 2016 was the first time in approximately 5 years that the base hasn't opened "early" prior to the normal contract startup date of June 15th.

The USFS also provides contracted air tankers. Aircraft contracted include: the P2-V, BAE-146, RJ-85, MD-87, C-130Q, and recently approved MAFFS (Modular Airborne Firefighting Systems) C-130's provided by the military. These air tankers are capable of carrying 2,000-4,000 gallons of fire retardant. These aircraft are not permanently assigned to any specific base. Due to the limited number of air tankers, the USFS strategically locates these air tankers based on fire potential. Typically, during the fire season, a federal air tanker will be in and out of Redding several times throughout the year.



# *Shasta County Fire Department EMS*

The Shasta County Fire Department is an active participant in the local, county, regional, state, and national EMS System. The department responds to 9-1-1 medical and trauma emergencies and provides basic and advanced life support care. The response to medical emergencies last year was approximately **75%** of all calls for service. In 2016, SCFD responded to 2449 calls for emergency medical services. Highly trained and skilled Paramedic's, EMT's, and EMR's are assigned to rural volunteer stations that often provide care for 30-40 minutes prior to the arrival paid ALS transport responders. Through the use of Automated External Defibrillators (AED), CPR, alternate patient transport, advanced airway techniques, medication administration and technical skills for trauma, obstetrics and pediatrics they meet the emergency needs of the community. The SCFD holds and maintains the only Alternate Transport Vehicle capability in the North State. Through this policy, and the use of a patient transporting capable rescue, the SCFD can transport a patient in a rural setting to rendezvous with responding ambulance or medical helicopter. This aids in patient transport time reduction on critical emergencies and also aids in transportation times due to weather and other delaying factors. In 2016 the SCFD delivered ongoing medical training to over 200 persons and over 1000 hours of instruction and preparation.

The improvements to the program last year included expanding use of the King Airway, Continuous Positive Airway Pressure (CPAP) in the community of Bella Vista. These emergency airway devices allow responders to provide rescue breathing more efficiently to unresponsive non breathing patients as well as responsive patients needing respiratory therapy. The device have proven to increase patient outcomes in the hospital setting. The new devices are in addition to existing equipment. They require additional training initially and on a continuing basis. Additionally, all SCFD volunteer companies were issued and trained on newly developed emergency tourniquets as a part of a new Active Shooter/Mass Violence Incident response program.



## *The Future...*

*As we move into 2017, Shasta County Fire Department/CAL FIRE is committed to providing services for the continued demand of rising call volume, and 911 emergency services. While sustaining integral relationships with our federal, state, and local government cooperators that make the fire service within Shasta County so extraordinary. We remain on-task and up to the challenge to continually support the firefighters, EMS workers, and foremost serve the citizens of Shasta County throughout 2017 and the many years to come.*





**This report has been prepared by the  
CAL FIRE/ Shasta County Fire Department  
[www.shastacountyfire.org](http://www.shastacountyfire.org)**