



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

2020 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...

It is my sincere pleasure to present the 2020 Shasta County Fire Department Annual Report. The purpose of this report is to provide updates to the goals and objectives previously identified in the Department's "2020 Master Plan" as well as fire department activities for the calendar year.

Not unlike other departments in the fire service, the men and women who serve in this Department do so with a passion and commitment that has always been the guiding tradition of the fire service. Our mission details our commitment to the communities we serve. As part of that mission, we strive daily to improve our core capabilities to provide the best level of service possible.

This past year has presented extraordinary challenges for the public and all who serve them. The year began with the discovery of the COVID-19 virus that quickly thrust us into a full pandemic by early spring. We all learned that our way of life, as well as how we conduct business on a daily basis, would be drastically altered. By mid-summer, the State was hit with lightning storms that blanketed the landscape with fires of such enormity that we marked another record setting fire season surpassing all others for acres burned and total losses. The fire season lingered through the fall and into the month of December and throughout it all; we were navigating the dangers of COVID-19. The devastation endured throughout 2020 to our communities, families, businesses, economy, and forest will forever be remembered.

As I look back on the year, the citizens of Shasta County responded to the needs of the community by supporting each other as we have done so many times in the past. I witnessed our various government entities, public safety providers, health workers and the business community come together throughout the year and work in a unified effort to mitigate the many challenges.

Again, we live and work in a county that is unlike any other in the nation. The area offers natural beauty, recreational activities and is centrally located near many of the State's popular travel destinations. Additionally, our community is comprised of citizens filled with a sense of pride and unity that makes Shasta County special. I am very proud and humbled to lead an amazing group of professionals, both volunteer and career firefighters, as we continue to serve this county as well as others in times of need. The Department's accomplishments, with the resources provided to us by our elected officials on behalf of our citizens, is amazing!

Sincerely,

Bret Gouvea



Shasta County Board of Supervisors



*Joe
Chimenti*
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

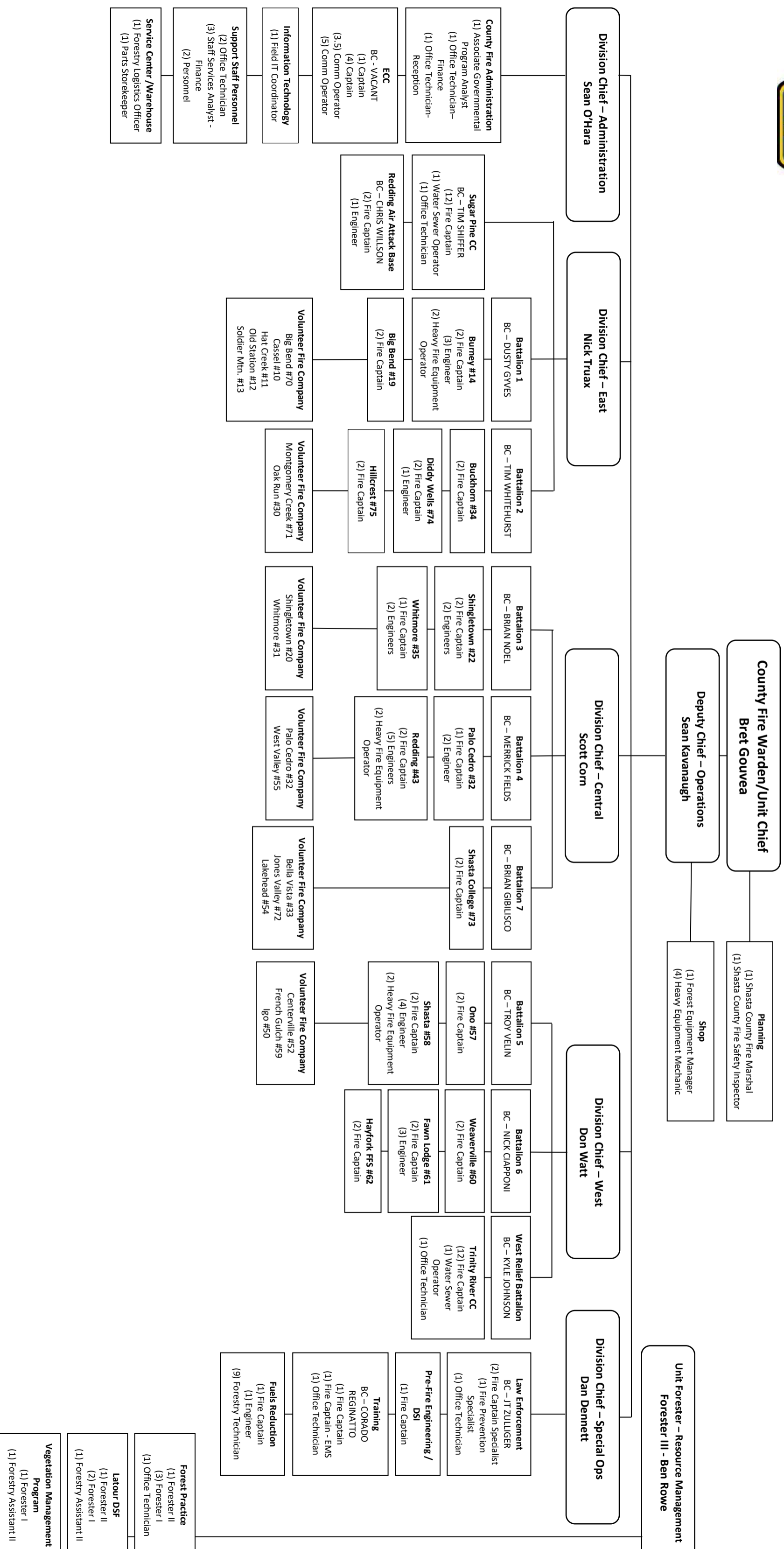
*Patrick
Jones*
District 4
Castella
Crag View
Lakehead
Shasta Lake
Mountain Gate

*Les
Baugh*
District 5
Anderson
Cottonwood
Millville
Manton
Shingletown
Viola



Shasta – Trinity Unit

Shasta County Fire Department Organization



Volunteer Years of Service

40 or More Years of Service

Russell Miller – *Igo-Ono*
John Parrish – *Old Station*
Richard Hathaway Jr – *Hat Creek*

30 or More Years of Service

John Garner – *Hat Creek*
Don Chaix – *Cassel*
Richard Hathaway III – *Hat Creek*
Don Cook – *Whitmore*
Bill Ellis – *Whitmore*
Don Fennell – *Montgomery Creek*
Kenneth Laughlin – *Hat Creek*
Tom Coe – *Soldier Mtn.*
David Green – *Big Bend*

25 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*

20 or More Years of Service

Bernie Zornes – *Cassel*
John Allen – *Oak Run*
Greg Mayer – *Soldier Mountain*
Michael Loew – *Shingletown*
Norville Hanke – *Centerville*
Stephen Trotter – *Montgomery Creek*
Richard Danielson – *Montgomery Creek*
Amanda Peri – *Bella Vista*

15 or More Years of Service

John Robbins – *Solider Mtn.*
Stephen Cureton – *Hat Creek*
John Catrucco – *Centerville*
James Miguel – *Cassel*
Sy Giles – *Big Bend*
John Cladopoulos – *Montgomery Creek*
David Painter – *French Gulch*
Wendy Cross Finley – *French Gulch*
Jeremiah Bidwell – *West Valley*
Sara West – *Whitmore*
Shawn Plummer – *West Valley*
Brian Abbott – *Whitmore*

10 or More Years of Service

Fred Wyckoff – *West Valley*
Patricia Wyckoff – *West Valley*
Robert Baker – *Bella Vista*
Kevin Clay – *West Valley*
Traci Clay – *West Valley*
Robert Maxey – *Oak Run*
Michael Bowling – *Shingletown*
Eve Allen – *Cassel*
John Allen – *Cassel*
Zachary Zerkovich – *Bella Vista*

2020 Shasta County Volunteer Fire Department Calls

	Veg Fires	Structure Fires	Other Fires	Medical	Hazmat / FMS	Public Assists / Other	Total
Company 10	18	14	18	77	0	9	136
Company 11	10	3	10	78	1	10	112
Company 12	6	1	5	49	1	2	64
Company 13	9	4	15	51	5	2	86
Company 20	23	1	34	481	5	64	608
Company 30	10	3	18	50	0	1	82
Company 31	9	1	4	53	1	2	70
Company 32	55	14	61	341	4	51	526
Company 33	48	15	58	476	13	83	693
Company 50	29	5	31	89	2	12	168
Company 52	5	3	22	135	3	11	179
Company 54	6	0	22	242	4	17	291
Company 55	33	12	30	137	4	22	238
Company 59	4	1	7	85	1	5	103
Company 70	5	1	9	25	0	0	40
Company 71	18	3	37	258	1	11	328
Company 72	18	4	22	180	5	8	237
Total	314	85	412	2862	50	317	4040

2020 Shasta County Incidents and Responses

Shasta County Fire Department/CAL FIRE Incidents and Response

Station 14: Burney	565
Station 19: Big Bend	31
Station 22: Shingletown	840
Station 32: Palo Cedro	633
Station 34: Buckhorn	66
Station 35: Whitmore	115
Station 43: Redding	1,994
Station 57: Ono	126
Station 58: Shasta	785
Station 73: Shasta College	1,234
Station 74: Diddy Wells	233
Station 75: Hill Crest	200

Independent Fire Protection Districts Dispatched by SCFD/CAL FIRE

Station 15: Fall River Mills Fire Protection District	120
Station 16: McArthur Fire Protection District	116
Station 17: Burney Fire Protection District	1,039
Station 21: Millville Fire Protection District	251
Station 23: Cottonwood Fire Protection District	1,343
Station 41: Mountain Gate Community Services District	691
Station 42: Shasta Lake Fire Protection District	1,450
Station 44: Happy Valley Fire Protection District	671
Station 46: Anderson Fire Protection District	2,719
<u>Station 56: Shasta Community Services District (Old Shasta)</u>	<u>196</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.

2020 SCFD Chief Officer and Prevention Calls

	Veg Fires	Structure Fires	Other Fires	Medical	Hazmat / FMS	Law Enforcement	Public Assists Other	Total
B2407	23	2	11	24	1	0	1	61
B2408	12	3	28	25	1	0	1	69
B2409	5	0	9	13	0	0	4	27
B2411	29	10	22	73	1	0	6	135
B2412	49	10	64	107	0	12	11	242
B2413	54	12	52	90	2	0	6	210
B2414	54	17	55	133	0	0	6	259
B2415	43	4	35	64	0	0	2	146
B2416	35	2	44	69	0	1	2	151
B2417	58	16	53	103	1	6	2	237
B2418	6	6	20	43	0	0	5	75
B2419	13	3	21	44	0	0	7	81
B2420	81	15	77	7	3	96	12	279
P2421	99	14	82	14	2	156	12	367
P2423	101	13	107	17	4	86	17	328
Total	662	127	680	826	1	357	94	2667

Redding Emergency Command Center

The Redding Emergency Command Center (ECC) is a secondary Public Safety Answering Point (PSAP). It is staffed 24/7 with a minimum of two personnel during the winter and three personnel during the summer months to facilitate dispatching appropriate resources to emergencies countywide. The Redding ECC is staffed with 12 permanent employees. Overseeing the operation is one Battalion Chief, six Fire Captains, and five Communications Operators working alternating shifts. Collectively, these employees have the field experience, local historical knowledge, and technical expertise to take full advantage of the state of the art Computer Aided Dispatch (CAD) System. These dedicated employees dispatch for 14 State Fire Stations, 17 Shasta County Volunteer Fire Companies, and 10 Fire Protection Districts throughout Shasta and Trinity Counties. 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 the appropriate amount of resources 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 2020, the ECC answered a total of 65,437 telephone calls of which 19,378 were emergency calls resulting in 13,691 incidents within the unit. The ECC processed 12,813 out of unit requests for resources to assist with over 580 non-local emergency incidents statewide. Locally, the ECC maintained the resource ordering and status for incidents such as the Zogg and Platina Fire as well as committing local ECC staff to 164 days out of unit to assist other units with resource ordering for expanding incidents. Our ECC staff communicates daily with the CAL FIRE Region Operations Coordination Center providing staffing information, personnel availability, ground/air resources availability, and local incident resource needs.

The Redding ECC was the first CALFIRE Command Center statewide to implement Text to 911 with local cooperating agencies. Rapid Deploy location accuracy and validation software was implemented in the ECC. Rapid Deploy provides improved location accuracy services to assist the ECC staff with pinpointing the location of the citizens when they call 911. The ECC implemented the year-round Mutual Threat Zone Agreement between CALFIRE / Shasta County Fire and the City of Redding for all type fires and traffic collisions. The lease agreement between Shasta County Fire Department and the U.S. Forest Service for the continued use of vault space for the Sugarloaf Repeater (SHA CMD Tone 6) was renewed for 30 years.

We look forward to the challenges and successes 2021 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 (SCFD)/CAL FIRE Shasta-Trinity Unit Training Bureau coordinates and delivers a multitude of formal and informal training courses and subjects to volunteer and career firefighters and support staff throughout the year. Our mission is to provide quality service to the public by developing the skills and abilities of all SCFD and CAL FIRE Shasta-Trinity Unit's personnel. We ensure that all federal, state, local and departmental training mandates, laws and regulations are followed as they pertain to training. The Training Bureau coordinates the initial and ongoing training requirements of approximately 500 personnel consisting of SCFD career and volunteer staff and CAL FIRE Unit uniformed operational staff and non-uniformed support staff. This is accomplished through training that is efficient, economical, and consistent with the needs of the public, the County of Shasta, the Fire Department and its members. Training topics include: Structure Fire Operations, Emergency Medical Response, CPR, Ropes & Knots, Hazardous Materials Response, Vehicle Extrication, Pump Operations, Map Reading & GPS, Fire Investigation, Fire Safety/Operations, Rescue, Incident Command Training, and numerous others. We operate within and enforce the policies and procedures of CAL FIRE and SCFD. On average, the Training Bureau supplies over 4000 instructor hours and the members of SCFD and the CAL FIRE Shasta-Trinity Unit participate in over 20,000 hours of training each year. 2020 has proved challenging for training with the current situation in the local areas, state, and nation. COVID-19 has greatly impacted training with ever challenging situations, from canceled/rescheduled classes, learning new ways to deliver information via online/digital mediums, and adapting in-person instruction with distancing/mask/sanitation protocols. Even with these challenges, the requirements to deliver training have not diminished and remain a necessary component to the emergency services provided to the County, Region and State.

The Training Bureau is staffed with one Battalion Chief who oversees all aspects of the Training Bureau, their primary mission is the coordination and delivery of training requirements for CAL FIRE Unit personnel, one Fire Captain who serves as the Shasta County Fire Department Training Officer, one Fire Captain who functions as the SCFD and CAL FIRE – SHU EMS Coordinator, and one Office Technician to support all the programs. In the winter months, by agreement with SCFD, our staff is augmented with 4 additional field personnel, who are outfitted with vehicles and specialized equipment. These four Training Officers primary mission is to deliver quality training courses and topics to the 17 Volunteer Fire Companies that make up the SCFD. These trainings are predominantly delivered on weekends or in the evenings to accommodate the needs of SCFD volunteers. For career personnel, they are coordinated at various times throughout the fall, winter and spring months. In addition to training coordination and delivery, the Training Bureau augments the response capabilities of Shasta County. In 2020 the Training Bureau staff responded to over 200 emergency calls for service.

We at the Training Bureau continue to evaluate our processes and improve the training program for both SCFD and the local Unit, continuing our successful relationship with Shasta College and the Shasta Tehama Trinity Public Safety Training Consortium (SHIELD). Through these relationships, we deliver and participate in regional training courses throughout Shasta, Tehama and Trinity Counties. We continue to be a lead agency in the development of SHIELD's facility and programs. We look forward to the upcoming year and continued improvement in all our programs.

Fire Prevention & Law Enforcement

Three full-time law enforcement officers assigned to the Prevention Bureau conduct fire investigations and enforce forest and fire laws. While these officers have primary duties, each are responsible for responding to incidents requiring a law enforcement officer/investigator response. Officers are involved in many fire investigations throughout the year and will regularly assist other law enforcement agencies. Six other peace officers work within fire or resource management positions and may assist with larger more complex investigations or enforcement.

In 2020, the Fire Prevention Bureau responded to, or were involved in, 889 incidents, 50 citations were issued, and 20 in-custody arrests were made.

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 has served as the Prevention Bureau Chief position since July 2016. Chief Zulliger is responsible for oversight of law enforcement, investigations, and civil cost recovery for CAL FIRE/SCFD.

Fire Captain Specialist/Peace Officer–P2421 Darren Stewart

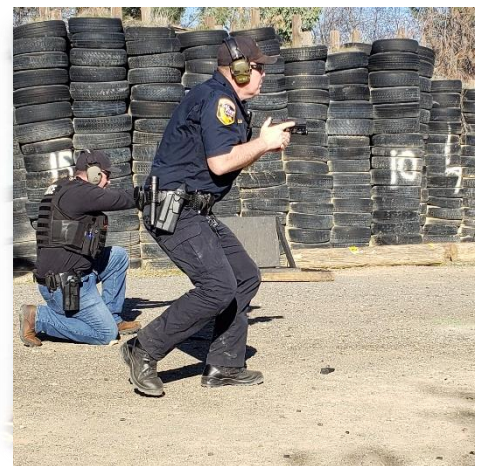
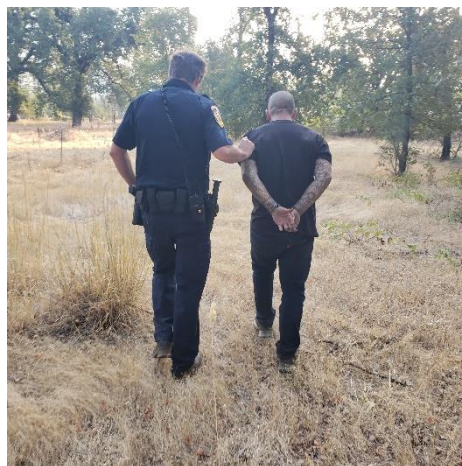
The Fire Captain Specialist position is state-funded and is held by Fire Captain Specialist Darren Stewart. Captain Stewart has been in the Prevention Bureau since 2010 and is responsible for general law enforcement duties. He also completes railroad and powerline safety inspections. In addition, he reviews and analyzes fire ignitions to identify fire problem areas. Stewart is one of CAL FIRE'S Field Training Officers.

Fire Captain Specialist/Peace Officer–P2423 Matt Alexander

Matt Alexander is the Shasta County-funded Fire Captain Specialist. Captain Alexander has been assigned to the Prevention Bureau since 2017 and is responsible for structure fire investigation in addition to other fire investigation and law enforcement duties. Captain Alexander leads defensive tactics and firearms training for SHU's law enforcement.

Office Technician – Jean Grey

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

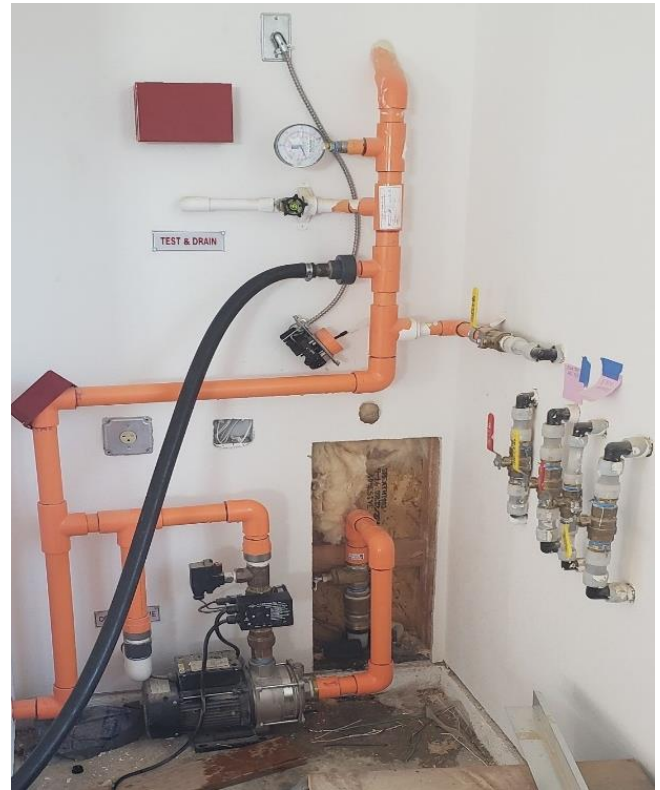


Fire Marshal & Protection Planning

In September of 2018, State Senate Bill 1205 was passed requiring all State mandated inspections be completed annually and reported to the Board of Supervisors. These inspections include schools, hotels, motels, lodging houses, and apartment houses. In 2020, Shasta County Fire Department complied with Senate Bill 1205 completing all State mandated inspections.

County Fire Marshal – P2425 Jimmy Zanotelli

Jimmy Zanotelli was appointed Shasta County Fire Marshal in 2016. He has served in the Shasta County Fire Marshal’s Office since 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 and Resource Agency 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 has served as the Shasta County Fire Safety Inspector since 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. Inspector Ross also performed public information officer field work in 2020.

Fire Inspector’s Activity	2019	2020	Fire Marshal’s Activity	2019	2020
Inspections	180	126	Parcel Maps	3	2
Violations	30	30	Property Line Adjustments	25	25
Re-Inspections	20	20	Use Permits	12	5
Exception Requests	52	55	Zoning Amendments	3	4
Fire Sprinkler Acceptance Test	308	331	Other/Misc	9	20
Commercial Hood Acceptance Test	0	2	Plan Reviews	1069	887
Administrative Permits	51	43	Minor Modification	2	8
School Inspections	21	21	Short Term Rental		37
Hotel/Motel Inspections	14	14	Certificate of Compliance		12

Pre-Fire Management –P2422 Nick Wallingford

The Unit Pre-Fire Management Program is supervised with a State-funded position occupied by Fire Captain Nick Wallingford. The focus of the program is to emphasize what can be done prior to the start of a fire. Pre-Fire Management activities increase public and firefighter safety, reduce property and firefighting costs while contributing to ecosystem health. These activities include writing fire plans, supporting fire safe councils/groups, clearing defensible space, creating fuel breaks, implementing prescribed fire, and public education and outreach.

To implement these activities, Captain Wallingford oversees the Defensible Space Inspection Program (DSIP), writes annually the Unit Fire Plan, participates in the Vegetation Management Program (VMP) and provides input for fuel reduction activities. To support the DSIP, the Unit employs four full-time seasonal Defensible Space Inspectors. In 2020 they completed over 3,300 inspections and worked with over 325 residents to bring their properties into compliance with the state Defensible Space Standard. Additionally, they helped oversee the new Shasta County Defensible Space Ordinance (SCC 2019-06) for vacant parcels. Through their work, and the cooperation of property owners, 25 parcels were cleared of hazardous vegetation.

The annual Unit Fire Plan is a framework that the Shasta-Trinity Unit uses to identify fire hazard problem areas. This is accomplished by collecting and analyzing fire ignition and fire perimeter data for all wildland fires and determining where targeted fuel reduction projects, VMP's and fire prevention activities can be initiated to accomplish the most benefit. The projects are typically carried out by SHU Unit fuels crews in cooperation with the California Conservation Corps, the California National Guard, the California Department of Corrections, and by contract to private organizations.



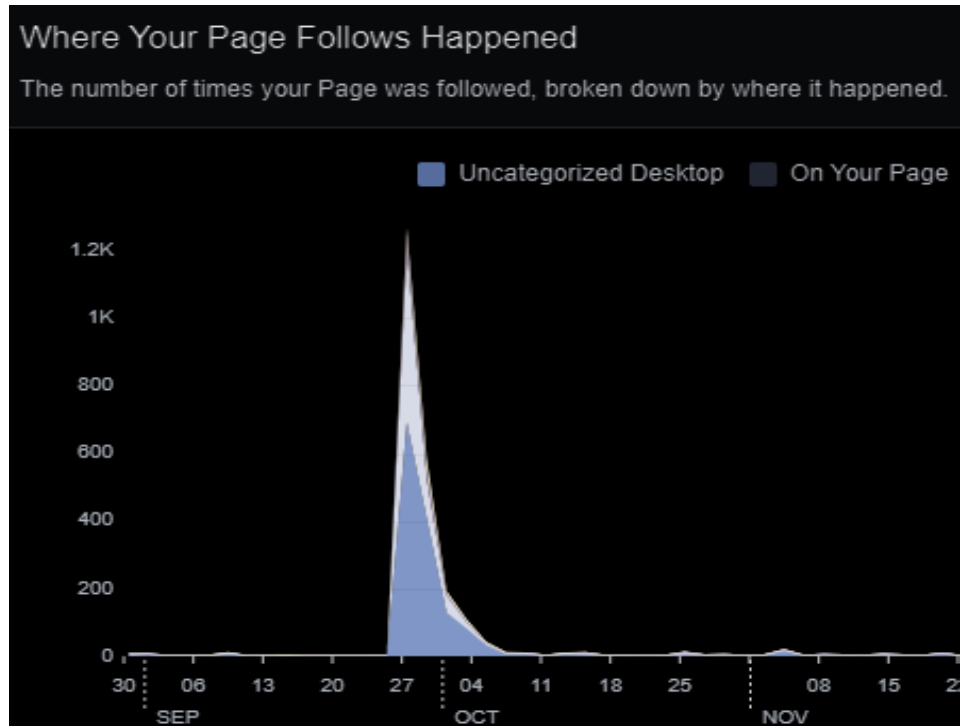
Public Affairs & Public Education

Fire Prevention Specialist/Public Information Officer - Cheryl Buliavac

The Fire Prevention Bureau serves the public by providing fire and life safety inspections, community education, media relations and fire investigation services. These functions help prevent fires through education, disseminate timely and accurate information through a myriad of platforms, enhance public safety and improve emergency responders' ability to manage an incident. By doing this, we help achieve a safe and vibrant community.

To overcome one of the challenges presented with Covid-19 and social distancing, we added Facebook to our list of social media platforms. The following month, during the Zogg Fire we gained the greatest increase in followers as indicated in the graph. The peak outreach was 68,589 users. This also provided a platform to stream daily press conferences.

Our firefighters are committed to serving the community, and they remain focused and engaged with the public through special events and activities, while fostering positive relationships with our community partners.



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 Delbert Bellus. These mechanics service and maintain the SCFD equipment, either in the field, SCFD Volunteer Fire Stations, and the shop, located at Shasta-Trinity Headquarters.

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. The fleet maintenance budget is roughly \$130,000, which includes \$20,000 in Measure "B" funds. 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 fulfill 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 2020, the Department purchased one Type III fire engine, one rescue vehicle and two utility vehicles. In 2021, the Department plans to purchase two utility vehicles.



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, the public, and cooperating agencies.

The SCFD and CAL FIRE support staff are administered by Sean O'Hara, Assistant Chief – Administration.

Julia Hayen, Associate Governmental Program Analyst, SCFD

Julia Hayen has recently been promoted from a Staff Services Analyst to an Associate Governmental Program Analyst. Her 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), 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.

Josh Williams, Senior 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. During the summer months, the total number of employees supported by his efforts can total up to just under 400 personnel. This includes the CAL FIRE employees 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.

Alyssa Hagerman, Personnel Specialist, CAL FIRE

Alyssa is responsible for processing documents relating to hiring, pay, and other benefits of Cal Fire, Shasta-Trinity Units personnel. Alyssa is the unit's Return to Work Coordinator and works with Region staff and State Worker's Compensation for employees injured while on duty. Alyssa is also responsible for the onboarding and layoff of the seasonal workforce each year.

Susan Chism, Staff Service Analyst, CAL FIRE

Susan processes and audits all financial documents that CAL FIRE incurs in the Shasta-Trinity Unit; 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. She checks and reconciles all budgets within the unit to make sure that the state is on track for spending throughout the year.

Tabitha Mallery, Staff Service Analyst, CAL FIRE

Tabitha is working in a state funded position for the procurement methods with the new Fi\$cal system. Tabitha is responsible for Shasta-Trinity Unit's Headquarters and automotive shop, and all purchasing for those areas as well as monthly processing of Cal Card statements. She also helps with the workload of processing documents for all employees within the unit.

Barbara Reynolds, Staff Service Analyst, CAL FIRE

Barbara is working in the second State funded position to assist with the State's implementation of Fi\$cal. Barbara's assignment is to process all CALCARD purchases for both State and County funded CAL FIRE stations as well as monthly processing of Cal Card statements.

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 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.

Sierra Falkenstein, Office Technician, SCFD

Sierra Falkenstein is the face that greets the public and answers every type of question at the front reception desk or refers the public to the proper individual for answers. She performs a large volume of data entry and document management, including SCFD run reports. As the receptionist, she also acts as a first point of contact for information during any large fires occurring in Shasta County.

Service Center

April Howell, Forestry Logistics Officer, CAL FIRE

April Howell has just started in her new position this year; as one of the Unit's key supporting functions, she helps with 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 excess state and federal equipment and is responsible for its tracking. April is the keeper of all personal protective equipment (PPE) for CAL FIRE, which includes, purchase, distribution, and tracking for approximately 360 Shasta-Trinity Unit employees.

Along with purchasing and distributing CAL FIRE PPE, she makes all purchases to support fire emergencies. She supervises and works with the SCFD parts storekeeper to ensure that all volunteer firefighters and CAL FIRE employees have the required equipment and supplies.

Allen Carroll, Parts Storekeeper, SCFD

Allen Carroll has the daunting task of ensuring that all 140-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 SCFD's PPE, supplies, and the tracking and inventory of all items 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

Battalion 1 is under the direct supervision of Battalion Chief Dusty Gyves, which 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 structure engine, Type III wildland 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, Soldier Mountain, and Lake Britton and Burney Falls State Park.

Recruitment and retention of volunteers remains difficult in Battalion 1 and the number of volunteers at each of the volunteer companies continue to decline.

Cal Fire Station 14 has remained fully staffed throughout the entire 2020 year due to additional State funding. This has provided additional service to Shasta County citizens in the Burney, Big Bend, Cassel, Hat Creek, Montgomery Creek, Old Station, and Soldier Mountain Areas. Station 14 staff worked on the Burney Community Fuel Break Phase II & III and on the Johnson Park Community Fuel Break. The Station responded to 565 calls for service in 2020.

The CAL FIRE 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 five 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 2020, the volunteer firefighters from Company 10 dedicated many hours to training and continued to answer emergency calls during the COVID pandemic. The Company is supported locally by the Cassel Volunteer Fire Company, Inc. In 2020, Company 10 was dispatched to 136 calls for service.

Shasta County Volunteer Fire Company 11 – Hat Creek

Company 11 is served by nine 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 2020, the volunteer firefighters from Company 11 dedicated many hours to training, and continued emergency response during the COVID pandemic. Unfortunately, the annual fundrasing BBQ at the Herford Ranch was cancelled due to restrictions on social gatherings. The company is supported locally by the Hat Creek Volunteer Fire Department, Inc. In 2020, Company 11 was dispatched to 112 calls for service.

Shasta County Volunteer Fire Company 12 – Old Station

Company 12 is served by one volunteer firefighter, Volunteer Chief John Parrish. John Parrish has been with the Old Station Volunteer Company for over 40 years. 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 2020, Volunteer Chief John Parish dedicated many hours to training, emergency response, and recruitment of new firefighters. Unfortunately, the annual Fisherman's Breakfast on opening day of trout season was cancelled due to restrictions on social gatherings. The Company is supported locally by the Old Station Volunteer Fire Department, Inc. In 2020, Company 12 was dispatched to 64 calls for service.

Shasta County Volunteer Fire Company 13 – Soldier Mountain

Company 13 is served by five 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 2020, the volunteer firefighters from Company 13 dedicated many hours to training, and continued emergency response during the COVID pandemic. Unfortunately, the annual St. Patrick's Day Dinner and summer BBQ were cancelled due to restrictions on social gatherings. The Company is supported locally by the Soldier Mountain Volunteer Fire Company, Inc. In 2020, Company 13 was dispatched to 86 calls for service.

Shasta County Volunteer Fire Company 70 – Big Bend

Company 70 is served by five 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 next 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 2020, the volunteer firefighters from Company 70 dedicated many hours to training and continued emergency response during the COVID pandemic. In 2020, Company 70 was dispatched to 40 calls for service.

Battalion 2

The Battalion is under the direct supervision of Battalion Chief Tim Whitehurst. Battalion 2 consists of two Shasta County Fire Department Volunteer fire companies. During peak staffing period each summer, there are also three CAL FIRE Stations staffed with one type III fire engine each:

- Shasta County Volunteer Fire Company 30 – Oak Run
- Shasta County Volunteer Fire Company 71 – Montgomery Creek
- CAL FIRE Buckhorn Station 34
- CAL FIRE Diddy Wells Station 74
- CAL FIRE Hillcrest Station 75

Each volunteer fire company in Battalion 2 houses a Type II structure engine, a Type III wildland 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 communities located within the Battalion pose a variety of emergency response challenges to fire personnel including; industrial and commercial structures, large power distribution facilities, and a variety of dynamic fuel and topography types.

In 2020, Battalion 2 continued to work on Vegetation Management projects to increase the safety of Shasta County residents. Fuels reduction along Bullskin Ridge Road between Phillips Road and Oak Run Road has been completed. A project along Buzzards Roost Road is currently being initiated for fuels treatment in 2021. Battalion 2 is working with local land owners to treat suitable areas with prescribed fire. The reduction of vegetation allows for safer ingress of emergency resources and evacuation of residents during a wildfire incident, and provides for additional grazing land for wild and domestic animals. A general safety benefit of fuels reduction also provides increased visibility along roadways and allows for more sunlight to heat and dry road surfaces during inclement weather conditions.



Shasta County Volunteer Fire Company 30 – Oak Run

SCFD Company 30 is led by Volunteer Chief Linda Barneby. Company 30 was dispatched to 82 calls for service in 2020. Company 30 protects the communities of Oak Run, Mill Creek Estates, and Whitmore. Area population is approximately 800 persons within 100 square miles. Oak Run Volunteer Fire Company has 5 active members. Company 30 seeks to begin improving the facility, such as a kitchen upgrade, to increase fund raising abilities for the future.

Shasta County Volunteer Fire Company 71 – Montgomery Creek

SCFD Montgomery Creek has two fire stations - Station 1 is located on Hwy 299 in Round Mountain and houses a rescue and a Type II structure engine. Station 2 is located on Hillcrest Drive in Montgomery Creek and houses a Type III wildland engine and a water tender. Company 71 is led by Volunteer Chief Theresa Carroll and has a roster of eleven volunteers. Company 71 protects the communities of Round Mountain, Montgomery Creek, Hillcrest, Moose Camp, Big Bend, Oak Run, and Ingot, with a yearly population of approximately 1,420 across approximately 300 square miles. In 2020, Company 71 was dispatched to 330 emergency incidents. Roughly 11,700 hours of Company 71 members' time was devoted to emergency response, training, vehicle and facility maintenance, administration, and fundraising activities. Montgomery Creek personnel staffed an engine during a critical resource shortage this summer, and spent nearly 8 weeks providing 24-hour coverage at local fire stations during one of the busiest fire seasons on record.

Company 71 received a new set of air bags used in auto extrication operations. The new system was purchased with grant funds and replaced an aging set that was over ten years old. Highway 299 and a multitude of steep rural roads present a high potential of traffic collisions, often requiring the need for extrication equipment to rescue motorists. Company 71 has also completed the installation of backup generators at both station locations. These new upgrades will provide for a safer more efficient response for the company.

Your emergency response personnel in Battalion 2 are committed to meeting the needs of residents to the best of their ability.



Battalion 3

The Battalion is under the direct supervision of Battalion Chief Brian Noel. 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 Tom Dodson 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 608 incidents in 2020. There are ten volunteer firefighters who are fully trained responders, along with two recruits that are in training. Resources utilized to respond to these incidents include two Type II structure engines, one Type III wildland 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, Dollar General, restaurants, a small business park, and several other small businesses, totaling approximately 145,000 sq. ft. Roughly 1900 residential structures are in and around Shingletown, including approximately 250 summer homes/cabins. The resident population is nearly 5000.



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 70 incidents in 2020. There are seven trained responding volunteer firefighters. Resources utilized to respond to these incidents include one Type II structure engine, one Type III wildland 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 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. 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. During the winter, a CAL FIRE Engine is utilized and housed at a CAL FIRE facility.

This engine responded to a total of 199 incidents during the winter Amador period in 2020. For the entire year, Station 22 responded to 840 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.

CAL FIRE Station 35 – Whitmore

CAL FIRE Station 35 is a newly appointed State funded station that remained open this past winter providing additional services to the citizens of Shasta County in the Whitmore, Oak Run, and Shingletown communities. Station staff worked on the Highway 44 fuel break project and the Ponderosa Way Fuel Break throughout the winter. The Station responded to 115 calls for service in 2020.

The CAL FIRE engine is staffed for 24 hours a day with a minimum of three personnel (one company officer and two firefighter II's).

A Firefighter handcrew consisting of 3 Fire Captains and 35 firefighters were stationed at Whitmore Station for the summer months and into late December. The fire crew responded to many fires this past summer and worked on fuels projects in the greater Whitmore area including LaTour State Forest, Ponderosa Way fuel break and the Aldridge VMP burn.



Battalion 4

Battalion 4 is under the direct supervision of Battalion Chief Merrick Fields. Battalion 4 consists of two volunteer Fire Companies, one Shasta County Fire Department (SCFD) station, and one CAL FIRE/SCFD station.

Shasta County Volunteer/Career Fire Company 32 – Palo Cedro

Shasta County Volunteer Fire Company 55 – West Valley

CAL FIRE Station 43/ SCFD Engine 47 – Redding

The Shasta County Fire Department's Battalion 4 is located on the valley floor along Interstate 5 and the Sacramento River corridor running north and south between the borders of Tehama County and the northern Redding City limits. Redding Battalion 4 has two incorporated cities which include the City of Anderson and the City of Redding. There are also two unincorporated communities within the Battalion served by the independent Fire Districts of Happy Valley and Cottonwood, which have agreements with Shasta County for response.

Redding Battalion 4 is comprised of an integrated, multi-agency workforce of state and local firefighting resources that provide fire protection through various types of Automatic Aid, Mutual Aid, and other cooperative fire agreements. Through these various types of agreements, 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 2020 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 for Amerigas, Campora, and Blue Star Gas. The west side of the Battalion includes Pacific Gas and Electric Company's gas pipeline which delivers 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. There are many mixed commercial developments along Hwy 273 and Latona Road to the south including UPS's Redding Freight Distribution Center, Meeks Hardware & Building Supplies, and 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. Many retail centers are located throughout the Battalion including restaurants, lodging, food supplies, recreation activities and equipment, traveler services (including gasoline fueling facilities), and entertainment related facilities.

With the increased traffic on I-5 between the cities of Anderson and Redding, Cal Trans has continued its improvement of the I-5 corridor. The initial phase of this large-scale construction project started in November of 2018 and will continue till 2021. This project will make the I-5 corridor three lanes wide both north and south bound, all of which reside within Battalion 4. A complex network of large high voltage transmission lines traverses the Battalion, delivering the main supply of power to the coastal cities of Eureka and Fortuna. Running throughout the central portion of Battalion 4 is the Sacramento River which brings with it an increased demand for seasonal activities such as rafters, boating, and fishing enthusiasts. 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.

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 Master Plan goal of increasing operational efficiencies by developing procedures that immediately reduce response times and increase response safety. The most sizeable portion of Battalion 4 is located along the Hwy 273 corridor and the south county area. The construction of the South County

Fire Station 47 is progressing. The site has been selected and an Engineering/Architect firm has drawn the plans. Once the contractor is selected and the permitting process is complete we will be able to break ground, currently planned for early Summer 2021. The new South County Fire Station 47 will bring increased cost effectiveness, and decreased response times to the county's highest dollar value assets.

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 most 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 SCFD Type II fire engines, two SCFD volunteer fire companies, two CAL FIRE Type III fire engines, and one dozer.

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

Schedule A, Engine 32 is staffed with a minimum of 2 career personnel and is co-located with Volunteer Fire Company 32. Volunteer Company 32 is led by Volunteer Chief Ethan Neve. The career staff operates and maintains the County's Self-Contained Breathing Apparatus (SCBA) Program. The personnel are trained in every aspect of repair, service, maintenance, and Cal-OSHA requirements under Title 8 and the National Fire Protection Association (NFPA). The SCBA program is highly involved and is a primary function of the Schedule A staff at Station 32. The community of Palo Cedro has a population of approximately 1,151 people. Palo Cedro is primarily 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. The community has seen additional growth in 2020 of both residential and large commercial buildings. The Company operates one Type II structure engine, one Type III wildland engine, fire rescue, and a water tender. In 2020, Fire Company 32 was dispatched to 526 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 structure engine under contract with CAL FIRE staff and a minimum of 2 personnel, and two Type III CAL FIRE wildland engines staffed with a minimum of 3 personnel during the peak fire season months of June 1st through October 31st. 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 any emergency within SCFD's jurisdiction. During the non-wildfire season period of November 1st through May 31st, staffing at Station 43 is reduced to one SCFD Type II structure engine and one Type III wildland engine staffed with a minimum of 2 personnel under contract with the SCFD. CAL FIRE/SCFD has a year around Mutual Threat Zone Agreement (MTZ) with the City of Redding Fire Department for structure fires, wildland fire, and traffic accidents. This agreement provides decreased response times for both departments for incidents in the area covered by the MTZ. SCFD has an Automatic Aid Agreement with the Anderson Fire Protection District and provides responses to all structure and wildland fires in the District. Station 43 also responds to auto accidents, river rescues, and medical emergencies within certain areas of the District. The city of Anderson Fire Department reciprocates their responses to certain County incidents as well. In 2020, Station 43 responded to 1,994 Incidents.

Shasta County Fire Department Station 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 of Cottonwood community 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 West Valley High School. The Company operates a Type II structure engine, a Type III wildland engine, a rescue, and a water tender. In 2020, West Valley Volunteer Fire Company was dispatched to 238 incidents.

Battalion 5

The Battalion is under the direct supervision of Battalion Chief Troy Velin. Battalion 5 consists of three 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 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 within the Battalion. The Battalion is comprised of oak woodland, chaparral, and timberland with residential subdivisions located within the wildland. All the communities within Battalion 5 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.

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 Highways 299 and 36 traverse the Battalion carrying thousands of travelers and hazardous materials to and from the north coast of California each year.

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. Summertime recreation on the Sacramento River and Clear Creek present water rescue hazards within the Battalion.

Public school campuses located in Platina, Igo, Centerville and French Gulch as well as the Keller Lumber Company in Keswick are examples of the significant fire and rescue risk located within the Battalion.

Shasta County Volunteer Fire Company 50 - Igo/Ono

The Igo/Ono Volunteer Fire Company currently has a roster of twelve volunteer firefighters and is led by Volunteer Chief John Allen. The community contains over 600 residents and 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 fire station in Igo and a satellite station in Ono. The fire company operates two Type II structure engines, one Type III wildland engine, one water tender, and one rescue vehicle. In 2020, there were 168 incidents within the communities of Igo and Ono.

Shasta County Volunteer Fire Company 52 - Centerville

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

The fire company operates one Type II structure engine, one Type III wildland engine, and one rescue vehicle. In 2020, there were 179 incidents within the community of Centerville.

CAL FIRE Ono Station 57

CAL FIRE Station 57, located in the community of Ono, is a seasonal fire station open only during the summer and fall. One CAL FIRE Type III wildland engine operates out of the facility. In 2020, Station 57 responded to 126 incidents.

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 staffed as incidents dictate. During fire season, CAL FIRE staffs two Type III wildland engines and one bulldozer at the station. In 2020, Station 58 responded to 785 incidents.

Shasta County Volunteer Fire Company 59 - French Gulch

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

The fire company operates one Type II structure fire engine, one Type III wildland engine, and one rescue vehicle. In 2020, there were 103 incidents within the community of French Gulch.



Battalion 7

Battalion 7 is under the direct supervision of Battalion Chief Don Watt, which consist of three SCFD Volunteer fire companies and one CAL FIRE Station:

- Shasta County Volunteer Fire Company 33 – Bella Vista
- Shasta County Volunteer Fire Company 72 – Jones Valley
- Shasta County Volunteer Fire Company 54 – Lakehead
- CAL FIRE Shasta College Station 73

Each Volunteer fire company in Battalion 7 has a Type II structure fire engine, Type III wildland fire engine, rescue unit, and water tender. The fire companies are actively involved in training, recruitment, emergency response, facility and equipment maintenance and fundraising activities. The Battalion starts in the valley, starting at the north side of Redding, extending north to the Siskiyou County line. The entire shoreline of Shasta Lake lies within the Battalion. The area north of Shasta Lake lies within the Federal Direct Protection Area and is administered by the United States Forest Service (USFS), Shasta Trinity National Forest for wildland fires. The USFS has statutory responsibility for wildland fires but Shasta County Fire Department is responsible for all medical aids, traffic collisions, hazardous conditions, and fires involving structures, vehicles, boats, and other improvements. The battalion also includes one incorporated city, City of Shasta Lake, and one fire district, Mountain Gate Fire Protection District. Shasta County Fire Department has mutual aid agreements with the City of Shasta Lake and Mountain Gate Fire Protection District. This includes responses to structure fire, both residential and commercial, and vehicle accidents.

Interstate 5 runs through the middle of the Battalion with high vehicle traffic, especially commercial vehicles. As the interstate leaves the valley and climbs through the Sacramento River canyon, the roadway is affected by the surrounding terrain. This change in the roadway along with the potential for rapidly changing weather in the winter can make travel difficult to the northern portion of the Battalion. Shasta County Volunteer Company 54 located in Lakehead is the only County Fire resource north of Shasta Lake and relies on additional response from the valley for all calls, especially accidents and fires. This becomes more problematic when Interstate 5 is closed due to weather and road conditions.

The Battalion also encompasses Shasta Lake and all the improvements on the lake, including the marinas and private residents around the lake and surrounding communities. Some of the residents around the lake require a response by boat due to the inability to access them from poorly maintained roads. The boats are not staffed all the time and require a response from one of the stations to respond by boat from Bridge Bay Marina.

Shasta County Volunteer Fire Company 33 – Bella Vista

Located in the middle of the community on Highway 299 east in Bella Vista is Company 33. The company is staffed by seventeen volunteers and is led by Volunteer Chief Ron Smith and Assistant Volunteer Chief Bob Baker. In 2020 Company 33 was dispatched to 693 calls in their response area. The Company's immediate response area covers about 40 square miles with a population of approximately 2,800. In addition to running calls Company 33 also attended 5,000 hours of training to acquire skills and knowledge to fight wildland and structure, assist in medical emergencies, traffic accidents, public assist, and hazardous materials. Company 33 installed a new electronic sign board in front of the station this year, to aid in providing information to citizens in the community.

Company 33's protection area includes gas stations, restaurants, churches, post office, grocery store, water district office, elementary school and several other commercial buildings. The response area includes Highway 299 East which is heavily traveled road. There is also access to Lake Shasta through Dry Creek Road which access two of the marinas on the lake increasing vehicle traffic in the summer months. Company 33 responds closely with Shasta College, Jones Valley, Palo Cedro, and Ingot Canyon.

Shasta County Fire Department Station 54 – Lakehead

Company 54 is in the center of the Lakehead community and provides service to the County area above Shasta Lake. Company 54 is led by Rick Sealana providing service to the approximately 800 homes with nearly 900 permanent residents. Company 54 had 291 call for service in 2020, which is high compared to areas with the same population. The increased call volume can be attributed to Interstate 5 which runs through the center of the response area. In adverse weather the call volume increases dramatically on Interstate 5 mostly due to the increase in motor vehicle collisions. In the summer months, the population of Lakehead increases dramatically with the rise in visitors to the lake and the surrounding forest. The lake and the wilderness area present the issue of long response time as access by vehicle can be very limited or the roads are not in a condition for easy travel. The recruitment process is active and ongoing in the area to try and increase the volunteer numbers. With only one full responder volunteer in the company, calls for service include sending equipment from the Shasta College Station and mutual aid from Mountain Gate Fire Protection District. The Volunteer Incorporation is currently working on remodeling the station to add sleeping quarters and updating the kitchen and bathrooms to accommodate the resident firefighter program. The construction will start in early 2021 and the Company along with the Incorporation is raising funds to complete the project.



Shasta County Fire Department Station 72 – Jones Valley

Company 72 is located on Ravine Road in the community of Jones Valley. The area served by Company 72 has approximately 400 homes with an estimated 800 residents. The summer months increase the number of people in the area and the vehicle traffic through the area with visitors to the Shasta Lake area and the two marinas, Silverthorn and Jones Valley. The Company has four volunteers and is actively recruiting for new members. Currently Company 72 does not have a volunteer chief and is being assisted by the volunteer chief from Company 33. In 2020 Company 72 was dispatched to 236 incidents in their response area. Company 72 is currently conducting joint training with Company 33 to ensure there are enough volunteers to complete productive training. The goal is to actively recruit additional volunteers, to increase the numbers to a level the Company can be self-sustaining.

CAL FIRE Station 73 – Shasta College

Shasta College Station 73 provides protection to the northern portion of Shasta County including Bella Vista, Jones Valley, Lakehead and the Shasta College Campus. The station is located on the Shasta College campus and is staffed year-round under a cooperative agreement between CAL FIRE and Shasta College.

Station 73 responded to 1,233 incidents in 2020, with 7 calls on the Shasta College campus and over 270 calls in Lakehead. The calls in Lakehead are in the northern most portion of their response area, generally taking 30 minutes to arrive at scene. Station 73's response area is approximately 300 square miles, with Interstate 5 and Highway 299 within its area. The Station provides protection to the college campus along with a large portion of the county, which include gas stations, elementary schools, grocery stores, PG&E substation, and Shasta Lake. Station 73 is also responsible for staffing and training for the Shasta County Fire Department Boat Operations Program. The personnel at Station 73 are involved with the mandatory Basic Wildland Training certification and working with the Shasta College Fire Academy program. Station 73 revived the Worksite Learning Program through the college to allow students who have graduated the fire academy to ride along and gain experience in the fire service.



Shasta Cascade Hazardous Materials Response Team

2020 was the 20th Anniversary since the inception of the Shasta Cascade Hazardous Materials Response Team. The first Letter of Understanding developing the framework to establish the Shasta Cascade Hazardous Materials Response Team was in November 1999. On June 1, 2000, the Shasta Cascade Hazardous Materials Response Team (SCHMRT) went into service. The original SCHMRT team was made up of dedicated hard working men and women from several county agencies and jurisdictions. With a limited budget, the tools and equipment were mostly acquired from donations. These tools and equipment were stored in either old Haz Mat 24 (old box style ambulance) or Haz Mat 24 Support (8 person style van).

Fast forward 20 years, SCHMRT is a Multi-Agency Team. The team is made up of men and women from Lassen, Modoc, Shasta, Siskiyou, Tehama and Trinity Counties, California Highway Patrol (CHP) Northern Division, personnel from Anderson Fire Department, Corning Fire Department, Red Bluff Fire Department, Redding Fire Department, Shasta Lake Fire Department, and CAL FIRE. SCHMRT has one dedicated Hazardous Materials Vehicle (Haz Mat 24). Haz Mat 24 stores and transports team members, specialized equipment and tools to hazardous materials incidents/trainings. In 2013 SCHMRT was certified as a Type II Hazardous Materials Team by CAL EMA (California Emergency Management Agency). Shasta County Fire is the lead agency for SCHMRT. The Team is overseen by a Program Manager and an Operation Director. The Program Manager was CAL FIRE Battalion Chief Andy Reiling (one of the two original team members from 2000) until his retirement in October 2020. Then CAL FIRE Battalion Chief Kyle Johnson (the last original team members) assumed the Program Manager position. The Operation Director is Redding Fire Department Battalion Chief Jason Foley. SCHMRT is a 50-person Type II Team that provides the following capabilities: identify and work with known and unknown industrial chemicals; provide air monitoring; work with liquid, vapor and cryogenic materials; ability to monitor Gamma and Beta radiation; plume air modeling; decontamination of individuals with known and unknown chemicals; provide diking, absorption, plugging and patching of liquids, solids and vapors; and neutralization of chemicals. Most members on the team are trained to the Hazardous Materials Specialist level (240 hours of training). Funding for the team comes from grants, incident cost recovery, and member agency contributions. Hard work, training and dedication from team members make SCHMRT what it is today. In 2021 SCHMRT will continue to further educate and train its members during the once monthly trainings (adhering to COVID-19 restrictions). With the dedication of team members and their agencies, SCHMRT will continue providing the best possible service for the next 20 years!



Shasta Cascade Hazardous Materials Response Team

875 CYPRESS AVENUE, REDDING, CA 96001 (530) 225-2418

Serving Lassen, Modoc, Shasta, Siskiyou, Tehama and Trinity Counties

Shasta County Fire Department Boat Program

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. 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 around the lake inaccessible by roads. The SCFD Boat Program personnel work closely with the Shasta County Sheriff's Boating Safety personnel throughout the entire year, especially during busy holiday weekends and summer months. In 2020, SCFD Boat Program personnel responded to 16 incidents on Lake Shasta and personnel completed approximately 40 hours of training during the Mother's Day and Memorial Day staffing. The number of incidents on the lake was reduced this year due to limited gatherings during the college break weekends.

Mother's Day and Memorial Day weekends are typically the busiest weekends on Lake Shasta due to the increase of college students from Oregon and California coming to the lake on these weekends. CAL FIRE/SCFD personnel had staffed one boat at Bridge Bay Marina again this year for both these holiday weekends. In years past both boats are staffed for these weekends, however with the limited visitation only one boat was staffed.

During the summer months both boats are centrally located at Bridge Bay Marina for a quicker response time due to the central location of Bridge Bay Marina and for security. During the winter months one of the boats is left moored at Bridge Bay for emergency response while the second boat is pulled out of the water and checked for annual winter maintenance evaluation. In 2020, SCFD acquired a third boat, donated by the City of Redding Fire Department to add to the fleet. The new boat has been stored for many years but is in good operating condition, having less use than the two current boats in use. This will add longevity to our current fleet and provide a reserve boat which will be stored out of the water. The reserve boat will be available for transport to other locations if needed such as for fires on the shores of Lake Britten.

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).

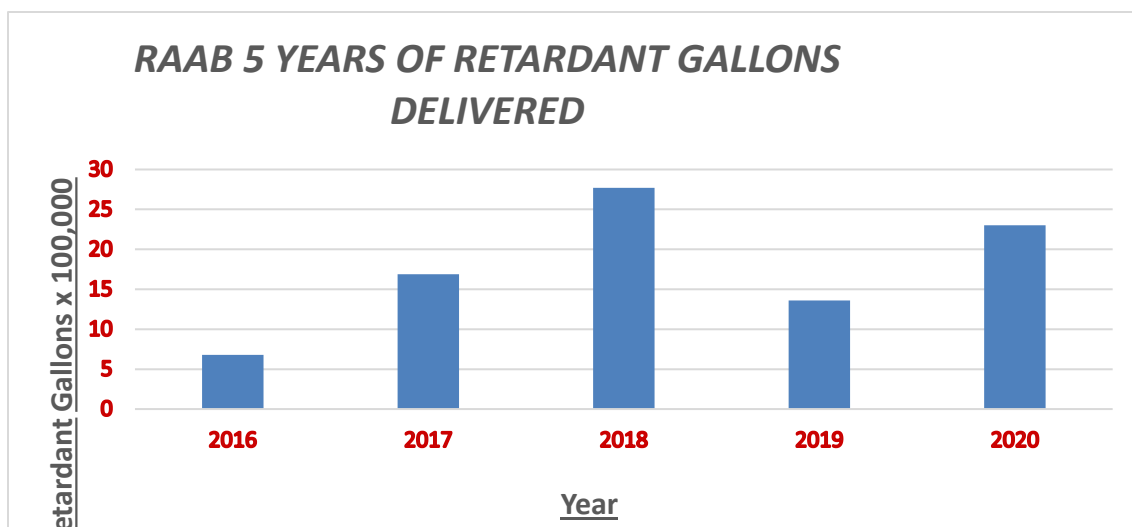
RAAB responds to an average of 220 calls per year. CAL FIRE staff at the base consists of: one Battalion Chief, two Fire Captains, one Fire Apparatus Engineer, and five seasonal Firefighters. The complement of aircraft assigned includes Air Attack 240 which is an OV-10 Bronco used as a tactical command aerial firefighting aircraft, and two S-2T air tankers, T-94 and T-95. These air tankers can carry 1,200 gallons of fire retardant. Also, assigned to the base on occasion is Air Attack 503, a King Air 200. This aircraft is used as a training platform for new Air Tactical Group Supervisor (ATGS) students.

RAAB has a vast response area, which spans Red Bluff to the Oregon Border, and 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.

2020 was an above average season for the Redding Air Attack Base. The aircraft based at RAAB delivered a total of 2,302,216 gallons of retardant in 2020. This is the 2nd most retardant delivered in a single season since the base opened. The most retardant delivered in a single season was 2,769,167 gallons during the 2018 fire season (659,662 of those gallons were delivered to the Carr Fire). The highest one-day total on record for retardant delivered occurred in 1999, when the base delivered 290,000 gallons of retardant, while supporting the Jones Fire in the Bella Vista area. In 2020 Air Attack 240 provided 217 flight hours over fires, Tanker 94 delivered 138,128 gallons of retardant with 154 flight hours and Tanker 95 delivered 182,572 gallons of retardant with 191 flight hours.

Here are the Redding Air Attack Base's past 5-year totals for retardant delivered by fire season:

- 2016 – 683,645 gallons
- 2017 – 1,693,974 gallons
- 2018 – 2,769,167 gallons
- 2019 – 1,365,161 gallons
- 2020 – 2,302,216 gallons



The USFS at RAAB also provides contracted air tankers. Aircraft contracted include: The BAE-146, RJ-85, MD-87, C-130, MAFFS (Modular Airborne Firefighting Systems) C-130's provided by the military, Federal Government, private vendors, and the first 737 conversion air tanker T-137. These air tankers can carry 2,000-4,000 gallons of fire retardant. Redding Air Attack Base was approved in 2017 to reload C-130 air tankers, and it proved to be a success again in 2020. In previous years, the C-130's would need to fly longer distances to reload bases causing them to burn more fuel and longer turnaround times. 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 and fire activity. During fire season, a federal air tanker will be in and out of Redding several times throughout the year.



Shasta County Fire Department EMS

Shasta County Fire Department has the responsibility for all medical aid calls outside of incorporated cities and districts within Shasta County. It is important to provide a high level of care to those who call 9-1-1 and request medical assistance. In 2020, the department responded to approximately 3,550 emergency medical calls. Approximately 900 of these calls were in the rural areas of the county. These are areas where ambulance response times are the longest, about 30 minutes. This requires the responders to care for the patients for extended periods requiring them to be proficient in their skills and knowledge. The department dedicates two and a half months every year to EMS training, delivering over 1,000 hours of instruction.

Last year SCFD along with the nation was faced with unprecedented challenges from COVID-19 pandemic. Members of SCFD, in conjunction with the Shasta County Health Department, participated in COVID-19 testing as well as was part of the first COVID-19 Mass Vaccination Clinic in Shasta County.

In 2019, SCFD began acquisition of ballistic vests outfitted with medical gear for Rescue Task Forces in the event of a mass violence incident. The ballistic vest distribution project for the paid and volunteer stations has been completed.

Every year sees new challenges in the EMS field, ranging from increased skills to new products to improve patient care. Shasta County falls within the Sierra-Sacramento Valley Local Emergency Medical Service Agency (S-SV). This agency dictates the policy for how medical emergencies are handled and the equipment use. For S-SV to adjust policies as needed, continuous reporting from the field is required. The Department's EMS coordinator is the point of contact for S-SV, as well as ensuring all EMS training, equipment purchasing, and record compliance is completed.



**This report has been prepared by the
CAL FIRE/ Shasta County Fire Department
www.shastacountyfire.org**