Incident: **SQF COMPLEX** 

1. Incident Name:			2. Incident	t Numb				
SQI	F COMPLEX				CA-SQF-00	)2622		
3. Report Version (check one box): Initial <b>X</b> Update Final	Organization <b>Michae</b>	Commander(s) & A : el Wakoski, CIIN ida, CAL FIRE To	/T 13	Organ	ident Managemer ization: <b>Type 2 Team</b> nified Command		5. Incident Start Date/Time: Date: <b>08/24/2</b> Time: <b>1125 PD</b>	020
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"):  167625 Acres	8a. Percent (%) Contained or Completed: 70 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %	9. Incident Type Complex B. Incident Description Wildfire C. Cause: Unknown D. Fire Suppress Strategy Monitor Confine Point Zone Protection	ription: ion Stratec	nt (%)	10. Incident Complexity Level: Single <b>X</b> Complex	From D <b>10/13</b> To Date	port Time Period Date/Time: 6/2020 1200 e/Time: 6/2020 1730	PDT
		Full Suppression		100				
12. Prepared By: Print Name: <b>Bryan Ver</b> Date/Time Prepared: <b>10</b> <b>PDT</b>		Signature	e: <b>Michae</b> :					
14. Date/Time Submitte 10/13/2020 1748 P		15. Primary Loca <b>CA-OSCC</b>	tion, Orgar	nization	n, or Agency Sent	: To:		
16. State: <b>CA</b>	17. County / Pa <b>Tulare</b>	arish / Borough:					18. City:	
19. Unit or Other: 20.	Incident Jurisdi	ction: 21. Incid CA-SQF		on Owi	nership (if differe	nt than	jurisdiction):	
22. Latitude/Longitude: Latitude: <b>36º 15' 18'</b> Longitude: <b>118º 29'</b>	3. US National Gri Grid Zone: x-Coordinate: y-Coordinate:	d Referenc	e:	24. Legal Description: Principal Meridian: Township: Range: Section: 1/4 Sec: of 1/4 Sec:			n:	
25. Short Location or Arc 25 miles north of Ker		ference	e point):	Zo	UTM Coordinatene: Easting: orthing:	es:		
27. Note any geospatial All geospatial data an https://ftp.nifc.gov/j%20COMPLEX/GIS/F	nd products ar public/incider	e uploaded to F	TP site.	·			ŕ	

28. Observed Fire Behavior or Significant Events for the Time Period Reported (describe fire behavior using accepted terminology. For non-fire incidents, describe significant events related to the materials or other causal agents):

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Active Flanking Backing Spotting

Narrative:

Division I: Active flanking, backing and short range spotting. Torching head fire, short slope driven runs when in alignment north of coyote creek.

Divisions T: Smoldering, creeping, interior islands burning out.

Divisions D, Y, Z, N, L: Smoldering, creeping, interior islands continue to burn.

Divisions U and E: Active flanking, backing, and short range spotting.

Fixed and rotary wing aircraft were effective in slowing the spread at Homers Nose. With the dry fuels, forward fire progression will continue to the north and east but will be mainly be backing and flanking. Spotting distances of 300-600 feet and the POI will increase into the 80% range unshaded. Single group tree torching will likely occur.

Expect the fire to remain active in thermal belts or until the RH recovers above 25-30%. In Divisions D and T, expect the RH to drop after midnight and fire behavior to increase in the interior and on the northern flank.

Sustained crown runs to the north from Dennison Ridge in north-south aligned drainages.

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):

Timber (Litter and Understory)
Chaparral (6 feet)
Timber (Grass and Understory)

### Narrative:

Fuel models located within the fire area vary with elevation and some have limited fire history. These include stands of dense mixed conifer with heavy brush below timber lines. The McNally burn scar (2002),Pier burn scar (2017), and Schaefer burn scar (2017) contain a mixture of grass, brush and snags which are all supporting fire spread. Fire is burning within areas of significant tree mortality contributing to significant fire resistance to control efforts.

30. Damage Assessment Information (summarize damage and/or restriction of use or availability to residential or commercial property, natural resources, critical infrastructure and key resources, etc):

Damage inspection has been completed. The Final Numbers are 10 single residences damaged, and 173 Destroyed, 2 Other minor structures damaged, and 55 destroyed.

EVACUATION ORDERS-Communities and Areas under an Evacuation Order:

-Alpine Village -Redwood Drive

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	1,075	10	173
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	0	0	0
H. Nonresidential Commercial Property	0	0	0
I. Other Minor Structures	0	2	55

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### Sequoia Crest

- Mountain Home Decoration State Forest
- Balch Park Campground
- South Fork Drive, east from M319 to Devils Canyon

### EVACUATION WARNING-Communities and Areas open to Residents ONLY:

- Camp Nelson
- Pier Point
- Ponderosa
- Mountain Aire
- Rodgers Camp
- -Coy Flat
- Dovle Springs
- Cedar Slope
- -Pyles Boys Camp
- -East of the Sequoia National Forest Boundary, North of Hwy 190, South of, and including, Blue Ridge Drive.
- -Balch Park Road from Battle Mountain Monument to the entrance to Mountain Home Demonstration State Forest.
- Bear Creek Road from the Racheria Fire Control Road to the entrance of Mountain Home Demonstration State Forest.
- -South Fork Drive past Conley Bridge to M319
- -Silver City
- -Mineral King

### AREA CLOSURES:

Seguoia National Park reopened on Thursday, October 1 as the evacuation warning related to the SQF Complex has been lifted for most of Three Rivers, CA. This reopening includes the Generals Highway from the Ash Mountain entrance station into Seguoia National Park to Highway 180 in Kings Canyon, and national park areas and trails along this route, including the Giant Forest. Exceptions are the Mineral King area and some wilderness lands, which will remain closed due to wildfire concerns, and facilities that are closed due to the pandemic.

Sequoia National Forest- Western Divide (M107) CLOSED, while the Hume Lake and Kern River Ranger Districts remain OPEN.

Inyo National Forest- OPEN. Exception: All Wilderness Areas in the Sierra Nevada and Monache

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ROAD CLOSURE and/or TEMPORARY CONTROL POINTS	
(https://tularecounty.ca.gov/emergencies/):	
-Balch Park Road at the entrance to Mountain	
Home Demonstration State Forest	
-Bear Creek Road at the entrance to Mountain	
Home Demonstration State Forest	
-Highway 190 at Rio Vista Drive	
-Redwood Drive at Highway 190	
-South Fork Drive at M319	
-M107 at Fox Road	

31. Public Status Summary:				32. Responder Status Summary:					
C. Indicate the Number of Civil	l <u>ians</u> (Pub	olic) Below	C. Indicate the Number of <u>Responders</u> Below:						
	Previous Report Total	A. # this Reporting Period	B. Total # to- date		Previous Report Total	A. # this Reporting Period	B. Total # to- date		
D. Fatalities	0		0	D. Fatalities	0		0		
E. With Injuries/Illness	0		0	E. With Injuries/Illness	17	0	17		
F. Trapped/In Need of Rescue	0		0	F. Trapped/In Need of Rescue	0		0		
G. Missing	0		0	G. Missing	0		0		
H. Evacuated	260	0	260	H. Evacuated	0		0		
I. Sheltering in Place	0		0	I. Sheltering in Place	0		0		
J. In Temporary Shelters	0		0	J. In Temporary Shelters	0		0		
K. Have Received Mass Immunizations	0		0	K. Have Received Mass Immunizations	0		0		
L. Require Immunizations	0		0	L. Require Immunizations	0		0		
M. In Quarantine	0		0	M. In Quarantine	0		0		
N. Total # Civilians (Public) Affected:	260	0	260	N. Total # Responders Affected:	17	0	17		

	34. Life, Safety, and Health Threat Management:					
travel routes of narrow mountain roads through rural, farming, and		Active?				
ranching communities with limited visibility due to smoky conditions. Congested roadways and heavy traffic in and around the	A. No Likely Threat					
incident. Drought, bug kill, & fire Weakened trees all have accident	B. Potential Future Threat	X				
potential. Steep, terrain will bring footing issues, access issues	C. Mass Notifications in Progress					
creates alignment and safety issues. The changing weather	D. Mass Notifications Completed					
conditions will affect the work zones.	E. No Evacuation(s) Imminent					
There is potential to threaten the communities of Three Rivers and	F. Planning for Evacuation					
the structures in the South Fork drainage.	G. Planning for Shelter-in-Place					
35. Weather Concerns (synopsis of current and predicted weather; discuss	H. Evacuation(s) in Progress					
related factors that may cause concern):	I. Shelter-in-Place in Progress					
Sunny skies and light winds occurred again today with a thin veil of	J. Repopulation in Progress	X				
smoke over the area. Temperatures climbed a couple of degrees on the west side of the fire compared to yesterday and were the same	K. Mass Immunization in Progress					

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on the east side, in the 70s, with some lower 80s below 4,000 ft. That is about 8 degrees warmer than normal. Humidity levels were low once again, generally 10 to 15 percent on the east side and 18 to 40 percent on the west side depending on elevation with some of the valleys holding onto moisture due to limited mixing and upvalley flow.

High pressure will continue to build overhead through the work week with gradual warming and drying through Thursday and Friday. Winds through Friday should generally remain light over the area. Stable conditions are expected to continue Wednesday limiting ventilation with slightly less stability Thursday and Friday for somewhat better ventilation. A gradual cooling trend will begin Saturday and continue into next week. However, humidity levels will be slower to improve and rainfall is not expected for the next week.

	Active?
L. Mass Immunization Complete	
M. Quarantine in Progress	
N. Area Restriction in Effect	
O. Road Closure	X
P. Trail Closure	х
Q. Area Closure	х

36. Projected Incident Activity, Potential, Movement, Escalation, or Spread and influencing factors during the next operational period and in 12-, 24-, 48-, and 72-hour time frames:

The smoke inversion over the fire continues to moderate fire behavior in morning with 12 hours: increasing fire behavior in the afternoon as the inversion breaks. An increase in humidity also is moderating fire behavior.

There is continued potential for fire growth in the north, northwest and northeast, including 24 hours: the potential to threaten the communities of Three Rivers and the structures in the South Fork drainage.

48 hours: Same as 24 hour.

72 hours: Same as 24 hour.

Anticipated after 72 hours: Continuation of suppression repair and indirect containment line construction in Division T/U.

37. Strategic Objectives (define planned end-state for incident):

Strategic Framework

Implement a full suppression strategy on the Castle and Shotgun Fires. Values at risk include human safety, private property and residences, infrastructure, utilities, developed sites, facilities, Giant Sequoia groves and archaeological and cultural sites. Apply tactics that offer the highest probability of success.

### **Control Objectives**

To prevent the fires from spreading to private property, surrounding communities, and values at risk, keep the fire:

-North of Durrwood Camp and the Tule River Reservation to protect communities and infrastructure along the Kern River and within the Reservation.

-West of Toowa Range to Kingfisher Ridge to 22S05 Road to protect recreational and administrative infrastructure.

-South of Mineral King Road to Lost Canyon to Whitney Meadow to limit fire growth to the north.

-East of Springville to Blue Ridge to South Fork to protect communities west of the fire.

38. Current Incident Threat Summary and Risk Information in 12-, 24-, 48-, and 72-hour timeframes and beyond. Summarize primary incident threats to life, property, communities and community stability, residences, health care

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facilities, other critical infrastructure and key resources, commercial facilities, natural and environmental resources, cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts:

Threat to structures in the South Fork drainage, including the Hockett Meadows Ranger

12 hours: Station, Peck's Cabin, Kern Cabin, Ming Cabin, and Buffalo Cabin. Wilderness values within the Sequoia National Park.

24 hours: Threat to structures in the South Fork drainage, critical infrastructure in the Case Mountain Sequoia groves and wilderness values within the Sequoia National Park.

48 hours: Same as 24 hour threats.

72 hours: The communities of Silver City, Mineral King, and Three Rivers East.

Anticipated after 72 hours: Same as 72 hour threats.

39. Critical Resource Needs in 12-, 24-, 48-, and 72-hour timeframes and beyond to meet critical incident objectives. List resource category, kind, and/or type, and amount needed, in priority order:

1 medical support trailer

1 ABRO

1 ASM or Air Attack Platform Type 1

1 HLCO

1 ASGS

1 FBAN

1 SITL

1 Type 1 Crew

12 hours: **1 TFLD 3 HEQB** 

24 hours: **Same as 12 hour.** 48 hours: **Same as 12 hour.** 72 hours: **Same as 12 hour.** 

Anticipated after 72 hours: Same as 12 hour.

- 40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:
- 1) critical resource needs identified above,
- 2) the Incident Action Plan and management objectives and targets,
- 3) anticipated results.

Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.

The fire behavior on the east, south and west sides are expected to be minimal. The uncontained fire's edge to the north, northwest and northeast continues to burn actively.

Heavy vegetation, snags, and steep terrain make it difficult to access the fires edge and contain.

Management Action Points and responses to the MAPs have been developed.

Objective concerns are high due the remoteness of fire, proximity to the Giant Sequoia groves, steep terrain, threats to structures, and other areas popular with tourism.

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With clearing air, crews were able to fly in and wrap several structures within the fire area.

Scouting of additional spike camps are underway in the southern and eastern areas of the fire to facilitate fire line repair

Implementation of Slick Rock Spike camp to decrease travel times and increase efficiency.

41. Planned Actions for Next Operational Period:

Strategic aerial and hand ignition to secure fire perimeter in Division T area. Point protection for critical values at risk continue to be evaluated.

Continue to identify containment opportunities in the northwest and northeast corners of the fire.

Continue repopulation and suppression repair efforts.

- 42. Projected Final Incident Size/Area (use unit label e.g., "Acres", "Square Miles"): 200,000
- 43. Anticipated Incident Containment or Completion Date: 11/01/2020
- 44. Projected Significant Resource Demobilization Start Date: 10/29/2020
- 45. Estimated Incident Costs to Date: \$93,511,646.00
- 46. Projected Final Incident Cost Estimate: \$100,000,000.00
- 47. Remarks (or continuation of any blocks above list block number in notation):

Block #9 Cause of both fires was determined to be lightning strike.

Block #42 Projected Final Size and #43 Anticipated Containment Date are dependent on resource availability of which we are currently limited with several unstaffed divisions and due to fire burning in wilderness with limited access in difficult terrain. Critical needs for resources continue and if received a sooner containment date and projected final size could be estimated. Estimate for Block #42 is in acres.

Incident Name	Suppression Strategy	Area	Area Measure	% Ctn/Comp	% Ctn/Comp Measure	Est. Cost to Date	Est. Comp Date	Perimeter
CASTLE	Full Suppression	166,784	Acres	70	Percent	93,511,646	11/01/2020	
SHOTGUN	Full Suppression	841	Acres	100	Percent		10/04/2020	

49. Resources (summarize resources by category, kind, and/or type; show # of resources on top ½ of box, show # of personnel associated with resource on bottom ½ of box):

48. Agency or Org		CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG3	ENG4	ENG6	DOZR	WTDT	WTDS	MAST	50. Ovhd	51. Tot Pers
DTA	Rsrc	0	0	0	0	0	0	0	0	0	1	0	0	0	0		
BIA	Pers	0	0	0	0	0	0	0	0	0	3	0	0	0	0	4	7
BLM	Rsrc	0	1	0	0	0	0	0	0	0	1	0	0	0	0		
	Pers	0	18	0	0	0	0	0	0	0	3	0	0	0	0	11	32
COL	Rsrc	0	0	0	0	0	0	0	5	0	10	0	0	0	0		
C&L	Pers	0	0	0	0	0	0	0	19	0	33	0	0	0	0	52	104
CA	Rsrc	0	0	0	2	0	0	0	0	0	0	0	0	0	0		

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CA	Pers	0	0	0	30	0	0	0	0	0	0	0	0	0	0	5	35	Γ
CA-CDF	Rsrc	2	0	2	0	0	0	0	8	0	0	0	1	0	0			İ
	Pers	34	0	32	0	0	0	0	28	0	0	0	1	0	0	24	119	
	Rsrc	3	0	1	0	0	0	0	10	0	0	1	2	0	0			ĺ
FS	Pers	60	0	18	0	0	0	0	48	0	0	2	4	0	0	75	207	
MEX	Rsrc	0	5	0	0	0	0	0	0	0	0	0	0	0	0			
MEX	Pers	0	88	0	0	0	0	0	0	0	0	0	0	0	0	0	88	
NPS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
NPS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	
NWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0			İ
NWS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
OES	Rsrc	0	0	0	0	0	0	0	5	0	0	0	0	0	0			İ
UES	Pers	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	18	
PRI	Rsrc	0	4	0	0	6	2	2	3	1	5	7	9	8	1			
PKI	Pers	0	80	0	0	15	36	17	9	3	15	9	9	8	2	2	215	
ST	Rsrc	0	0	0	0	0	0	0	1	0	0	0	0	0	0			
	Pers	0	0	0	0	0	0	0	4	0	0	0	0	0	0	9	13	
52. Total Resources		5	10	3	2	6	2	2	32	1	17	8	12	8	1		851	

53. Additional Cooperating and Assisting Organizations Not Listed Above:

In unified command with the following agencies: CAL FIRE and the cooperating Federal agencies.

Inyo National Forest, Sequoia National Forest, Sequoia National Park, Kings Canyon National Park, Bureau of Land Management, Bureau of Indian Affairs, Southern California Edison, Tule River Indian Tribe, Tulare County Fire, Tulare County Sheriff, Tulare County OES, Tulare County Roads, California Highway Patrol, California Department of Corrections and Rehabilitation, California Conservation Corps, California Office of Emergency Services, AT&T, Verizon, California Department of Transportation, California Air National Guard, and California National Guard. CONAFOR, Mexico.