Incident: SQF COMPLEX

1. Incident Name: SQF COMPLEX 2. Incident Number: CA-SQF-002622												
3. Report Version (check one box): Initial X Update Final	Organization Mik	Commander(s) & Ager : e Minton, CIIMT 2 nda, CAL FIRE Tular	Organ	ident Managemer ization: Type 1 Team nified Command	nt 6. Incident Start Date/Time: Date: 08/24/2020 Time: 1125 PDT							
unit label – e.g., "Acres", "Square Miles"): 154983 Acres	(%) Contained or Completed: 61 % b. Total Percentage (%) of	9. Incident Type: Complex B. Incident Description Wildfire C. Cause: Unknown D. Fire Suppression S		Complexity Level: Single	11. Report Time Period: From Date/Time: 10/02/2020 0600 PDT To Date/Time: 10/02/2020 1755 PDT							
	Perimeter that will be Contained or Completed:	Monitor Confine Point Zone Protection Full Suppression	100									
	Print Name: John Mosley Print Name: Mike Minton Date/Time Prepared: 10/02/2020 1745 Signature: Mike Minton											
14. Date/Time Submitted 10/02/2020 1755 P		15. Primary Location CA-OSCC	, Organization	, or Agency Sent	То:							
16. State: CA	17. County / Pa Tulare	arish / Borough:			18. City:							
19. Unit or Other: 20.	Incident Jurisdi	ction: 21. Incident	Location Owr	nership (if differe	nt than jurisdiction):							
22. Latitude/Longitude: Latitude: 36º 15' 18" Longitude: 118º 29'	48"	3. US National Grid Re Grid Zone: x-Coordinate: y-Coordinate:	eference:	Principal Township	Description: Meridian: o: Range: Section: of 1/4 Sec:							
25. Short Location or Are 25 miles north of Ker		ist all affected areas o	or a reference	point):	26. UTM Coordinates: Zone: Easting: Northing:							
27. Note any geospatial All geospatial data an https://ftp.nifc.gov/p%20COMPLEX/GIS/F	d products are public/inciden	e uploaded to FTP s	site.									

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):

Active

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Flanking Spotting

BackingNarrative:

Branch I: Smoldering, creeping, interior islands continue to burn out.

Branch II: Smoldering, creeping.

Branch III: Active flanking, backing, and short range spotting in Division U. The fire is burning 10 acres north of the south fork of the Kaweah River.

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 59 destroyed.

Mandatory Evacuations Locations:

- -Alpine Village
- -Cedar Slope
- -Pyles Boys Camp
- -Redwood Drive
- -Seguoia Crest
- -East of Sequoia National Forest Boundary, from the intersection of Hwy 190 and Balch Park,

Bear Creek Road and -Rancheria Fire Road

Upper Tule River Corridor: Mountain Aire, and

points between

Voluntary Evacuation Warning:

- -Doyle Springs
- -Camp Nelson
- -Pierpoint
- -Coy Flat

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed		
E. Single Residences	0	0	0		
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	0	0		

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- -Silver City
- -Mineral King
- -Remainder of South Fork Drive
- -Residents on Blue Ridge Drive

AREA CLOSURES:

Sequoia & Kings Canyon National Parks Reopen-Mineral King/Wilderness Closures Remain in Effect

As evacuation warnings associated with SQF Complex fires have been lifted, both parks will be open. However, the Mineral King area and some wilderness areas remain closed.

Sequoia National Forest and Inyo National Forest

Balch Park (Tulare County), Mountain Home
Demonstration State Forest, Case Mountain
Extensive Recreation Management Area (BLM).
Case Mountain Recreational area remains closed
due to the Castle Fire threat.

ROAD CLOSURES

(https://tularecounty.ca.gov/emergencies/):

- -Mineral King at Oak Grove Dr.
- -Mountain 50 & 107
- -Mountain 99 & Sherman Pass
- -Seguoia National Forest/Park Closure
- -Sherman Pass & Cherry
- -Highway 198 to the Giant Forest
- -South Fork Dr./Conley Bridge
- -Highway 190 at Balch Park

31. Public Status Summary: <i>C. Indicate the Number of <u>Ci</u></i>	vilians (Pub	lic) Below:	32. Responder Status Summary: C. Indicate the Number of Responders Below:						
	Previous Report Total	A. # this Reporting Period	B, Total # to-		Previous Report Total	A. # this Reporting Period	B, Total # to-date		
			date	D. Fatalities	0		0		
D. Fatalities	0	~~~~	0	E. With Injuries/Illness	15	0	15		
E. With Injuries/Illness	0		0	F. Trapped/In Need of Rescue	0	*****	0		
F. Trapped/In Need of Rescue	0		0	G. Missina	· · · · · · · · · · · · · · · · · · ·	***********	0		
G. Missing	0		0	H. Evacuated	0		0		
H. Evacuated	4,090	0	4,090	I. Sheltering in Place		**********	0		
I. Sheltering in Place	0		o	J. In Temporary Shelters		**********	0		
J. In Temporary Shelters	0		o	K. Have Received Mass		******			
K. Have Received Mass			· · · · · · · · ·	Immunizations			"		
Immunizations			L	L. Require Immunizations	0		0		

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	Previous Report Total	A, # this Reporting Period	B. Total # to-		Previous Report Total	A. # this Reporting Period	B. Total # to-date
			date	M. In Quarantine	0		0
L. Require Immunizations	0		0	N. Total # Responders Affected:	15	0	15
M. In Quarantine	0		0			L	
N. Total # Civilians (Public) Affected:	4,090	0	4,090				

	34. Life, Safety, and Health Thre	eat
	Management:	1
travel routes of narrow mountain roads through rural, farming, and		Active?
ranching communities with limited visibility due to smoky conditions.	A. No Likely Threat	1
Congested roadways and heavy traffic in and around the incident. Drought, bug kill, & fire Weakened trees all have accident potential.	B. Potential Future Threat	
Steep, terrain will bring footing issues, access issues creates	C. Mass Notifications in Progress	
alignment and safety issues. The changing weather conditions will	D. Mass Notifications Completed	
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	
Exceptionally dry conditions were observed today with humidity	J. Repopulation in Progress	х
minimums of 5 to 10%. Temperatures remained well above normal	K. Mass Immunization in Progress	
with highs ranging from 90 to 95 in the canyons and lower slopes to around 80 degrees for elevations near 7,000 feet. This was 10 to 15	L. Mass Immunization Complete	
degrees above normal. Winds remained light and terrain driven with	M. Quarantine in Progress	
speeds of 5 to 15 mph. Transport winds were also weak which	N. Area Restriction in Effect	
allowed for high concentrations of smoke within Branch II and III (western and northern fire perimeter). Concerns remain focused	O. Road Closure	X
on the persistent dry conditions, lack of rainfall, and low humidity.	P. Trail Closure	X
Saturday, Oct 3rd will be day 121 (4 months) since a wetting rain	Q. Area Closure	х
(tenth of an inch or more) has fallen at any of the local weather		
stations. This dryness is compounded by the above normal		
temperatures. Over the coming weeks, the pattern appears that it		
will begin to shift with temperatures trending cooler and closer to		
normal. As this transition takes place, higher wind speeds can be		
expected.		

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:
operational period and in 12-, 24-, 48-, and 72-nour time manies.
Recent temperature increases and poor humidity recovery has resulted in increased fire behavior and activity in the northwest corner of the fire.
There is potential for significant fire growth in the north, including 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: Division T/U.
37. Strategic Objectives (define planned end-state for incident):

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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 Hwy 198 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 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:
- Possible threat to structures in the South Fork drainage. Wilderness values within the Sequoia National Park.
- Possible threat to structures in the South Fork drainage. Wilderness values within the Sequoia
 National Park.
- Possible threat to structures in the South Fork drainage and the Three Rivers community.

 Wilderness values within the Sequoia National Park.

72 hours: Same as 48 hour threats.

Anticipated after 72 hours: Same as 48 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 Type 1 Fuel Tender
 - 1 medical support trailer
 - 1 ABRO
 - 2 BCMG
 - 2 ORDM
 - 4 SOF2
 - **3 Excavators**

12 hours:

24 hours: Same as 12 hour.

48 hours: Same as 12 hour.

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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 fires edge to the north continues to burn actively. Heavy vegetation and steep terrain create a high resistance to control and make it difficult to access the fires edge. 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.

41. Planned Actions for Next Operational Period:

Identify containment opportunities in the northwest corner 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: \$76,833,535.00
- 46. Projected Final Incident Cost Estimate: \$100,000,000.00
- 47. Remarks (or continuation of any blocks above list block number in notation):

Block #42 Projected Final Size and #43 Anticipated Containment Date are dependent on resource availability of which we are currently limited with several unstaffed divisions due to fire requiring a shift in tactics from building containment line to point protection. Critical needs for resources continue and if received a sooner containment date and projected final size could be estimated.

Block #48 CAL FIRE resources were added as 136 overhead, however, that number reflects total personnel, not resource type. Resource type will be addressed in the next update as information becomes available.

Incident Name	Suppression Strategy	Area	Area Area Measure		% Ctn/Comp Measure	Est. Cost to Date	Est. Comp Date	Perimeter
CASTLE	Full Suppression	uppression 154,142		61	Percent	76,833,535	11/01/2020	
SHOTGUN	Full Suppression 841		Acres	0	Percent			

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	CRC	HEL1	HEL2	HEL3	ENG3	ENG4	ENG5	ENG6	DOZR	WTDT	WTDS	MAST	SKID	50. Ovhd	51. Tot Pers
DYA	Rsrc	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	***************************************	
BIA	Pers	0	0	0	0	0	0	0	0	. 0	4	2	4	0	0	0	4	14
8.11	Rsrc	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	***************************************	******************
BLM	Pers	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	19	26

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801	Rsrc	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0		
C&L	Pers	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	53	78
CA	Rsrc	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0		
CA	Pers	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	6	50
CA-CDF	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CA-CDF	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	136
FS	Rsrc	5	2	1	0	0	0	8	0	0	2	0	2	0	0	0		***************************************
гэ	Pers	103	42	10	0	0	0	33	0	0	9	0	4	0	0	0	132	333
FWS	Rsrc	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0		ve accessores
LAAD	Pers	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	1	10
MEX	Rsrc	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	o comente action of a	anos one mission
MEX	Pers	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
	Rsrc	0	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	0	26	26
BINAC	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		**************************************
NWS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
٥٥٥	Rsrc	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2,,,,,,,,,	
OES	Pers	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	9	1!
DDT	Rsrc	0	2	0	4	2	2	4	4	2	12	8	1	13	1	4		
PRI	Pers	0	40	0	11	36	17	12	12	6	41	10	2	15	1	6	16	22!
CT	Rsrc	0	0	0	0	0	0	6	0	0	1	0	1	0	0	0		
ST	Pers	0	0	0	0	0	0	20	0	0	3	0	2	0	0	0	18	43
52. Total Resources		5	9	6	4	2	2	18	4	2	32	9	9	13	1	4	an a	105

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.