Incident: **SQF COMPLEX**

										
1. Incident Name:	0- 00MPI TV	2.	Incident No	umbei	r: CA-SQF-0 (
	QF COMPLEX									
 Report Version (check one box): Initial Update Final 	Organizatior Mi	Commander(s) & Agendaric n: ke Minton, CIIMT 2 rada, CAL FIRE Tula	re Unit	rganiz	lent Managemen zation: Type 1 Team ified Command		6. Incident Start Date/Time: Date: 08/24/2020 Time: 1125 PDT			
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 158058 Acres	Contained or Completed:	9. Incident Type: Complex B. Incident Description Wildfire C. Cause: D. Fire Suppression St Strategy Monitor Confine Point Zone Protection) 	omplexity Level: Single X Complex	From Da 10/04/	72020 1800 PDT /Time: 10/05/2020			
	100 %	Full Suppression	1	.00						
12. Prepared By: Print Name: John Mosley Date/Time Prepared: 10/05/2020 0545 PDT Signature: 14. Date/Time Submitted: 15. Primary Location, Organization, or Agency Sent To: 10/05/2020 0547 PDT CA-OSCC										
16. State: CA	17. County / P Tulare	arish / Borough:					18. City:			
19. Unit or Other: 20). Incident Jurisdi	ction: 21. Inciden CA-SQF	t Location (Owne	rship (if different	than ju	risdiction):			
25. Short Location or Area Description (list all affected areas or a reference point): 26. UTM Coordinates: Zone: Easting: Northing:										
27. Note any geospatial All geospatial data ar https://ftp.nifc.gov/ %20COMPLEX/GIS/	nd products are public/incident	uploaded to FTP sit	e.				·			
28. Observed Fire Behave terminology. For non-fire Active Flanking Backing Spotting	vior or Significant									

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

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Branch II: Smoldering, creeping, interior islands burning out.

Branch III: Active flanking, backing, and short range spotting in Division U. The fire has spotted north of the South Fork of the Kaweah River, and is actively flanking.

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.

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

AREA CLOSURES:

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	0	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	& Kings Canyon N	ational Parks Reope
Mineral	King/Wilderness C	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/):

- -Mountain 50 & 107
- -Mountain 99 & Sherman Pass
- -Sequoia National Forest Closure
- -Sherman Pass & Cherry
- -South Fork Dr./Conley Bridge
- -Highway 190 at Rio Vista
- -Balch Park & Blue Ridge
- -Bear Creek & Rancheria Fire Rd.

31. Public Status Summary: C. Indicate the Number of Civil	lians (Publi	ic) Below:		32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i>							
<u> </u>	Previous Report Total	A. # this Reporting Period	B. Total # to- date	or analogue and named or <u>need</u>	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	300	0	300	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:	300	0	300	N. Total # Responders Affected:	17	0	17				

Safety and health threats to suppression personnel includes long travel routes of narrow mountain roads through rural, farming, and ranching communities with limited visibility due to smoky conditions. Congested roadways and heavy traffic in and around the incident. Drought, bug kill, & fire Weakened trees all have accident potential. Steep, terrain will

33. Life, Safety, and Health Status/Threat Remarks:

Α						
	ctive?					
A. No Likely Threat						
B. Potential Future Threat						

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bring footing issues, access issues creates alignment and safety issues.		Active?
The changing weather conditions will affect the work zones.	C. Mass Notifications in Progress	
There is potential to threaten the communities of Three Rivers and the	D. Mass Notifications Completed	
structures in the South Fork drainage.	E. No Evacuation(s) Imminent	
35. Weather Concerns (synopsis of current and predicted weather; discuss related	F. Planning for Evacuation	
factors that may cause concern):	G. Planning for Shelter-in-Place	
Very poor humidity recovery was observed for the third night in a row. Rh values at most observing stations remained under 25 percent.	H. Evacuation(s) in Progress	
Stations near 6000 feet, within the thermal belt, remained under 15%.	I. Shelter-in-Place in Progress	
3.000	J. Repopulation in Progress	х
Concerns remain focused on the persistent dry conditions, lack of	K. Mass Immunization in Progress	
rainfall, and low humidity. This dryness is compounded by the above normal temperatures. Light transport winds are also resulting in high	L. Mass Immunization Complete	
concentrations of smoke, limiting visibility. Over the next 3 to 5 days,	M. Quarantine in Progress	
temperatures are forecast to trend lower as the High pressure system	N. Area Restriction in Effect	
responsible for heat weakens.	O. Road Closure	х
T	P. Trail Closure	х
In spite of the cooling it is expected to remain dry. A more significant change in the weather pattern is anticipated between Oct 9th and the	Q. Area Closure	х
11th with the passage of a cold front. As these transitions take place,		-
higher wind speeds are 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:
- 12 hours: 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: 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 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:

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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 medical support trailer

1 ABRO

2 BCMG

2 ORDM

12 hours:

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 continues to burn actively. Heavy vegetation 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.

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: \$81,679,065.00

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 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.

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Incident Name	Suppression Strategy	Area	Area Measure	% Ctn/Comp	% Ctn/Comp Measure	Est. Cost to Date	Est. Comp Date	Perimeter
CASTLE F	Full Suppression	157,217	Acres	65	Percent	81,679,065	11/01/2020	
Shotgun I	Full Suppression	841	Acres	0	Percent		10/10/2020	

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	ENG5	ENG6	DOZR	WTDT	WTDS	MAST	SKID	50. Ovhd	51. Tot Pers
BIA	Rsrc	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	4	2	4	0	0	0	4	14
BLM	Rsrc	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0		
DEI	Pers	0	0	18	0	0	0	0	0	0	0	6	0	0	0	0	0	19	43
C&L	Rsrc	0	0	0	0	0	0	0	0	0	0	11	0	1	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	25	0	2	0	0	0	52	79
CA	Rsrc	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	2	46
CA-CDF	Rsrc	2	2	0	0	0	0	0	8	0	0	0	0	0	0	0	0		
CA-CDI	Pers	34	32	0	0	0	0	0	28	0	0	0	0	0	0	0	0	15	109
FS	Rsrc	2	2	1	1	0	0	0	6	0	0	0	0	1	0	0	0		
- 13	Pers	42	42	22	10	0	0	0	28	0	0	0	0	2	0	0	0	123	269
FWS	Rsrc	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0		
1 113	Pers	0	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	0		
MEX	Pers	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
NPS	Rsrc	0	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	0	25	25
NWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
INVS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
OES	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
UES	Pers	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	6
PRI	Rsrc	0	1	0	0	4	2	2	3	3	2	13	10	1	21	2	4		
PKI	Pers	0	20	0	0	11	36	17	9	9	6	38	14	2	21	2	6	16	207
ST.	Rsrc	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0		
ST	Pers	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	20	35
52. Total Resources		4	10	2	6	4	2	2	21	3	2	29	11	6	21	2	4		942

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

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Services, AT&T, Verizon, California Department of Transportation, California Air National Guard, and California National Guard. CONAFOR, Mexico.