Incident: SQF COMPLEX

1. Incident Name: SQI	F COMPLEX		2. Incident	t Numb	er: CA-SQF-00	02622			
3. Report Version (check one box): Initial X Update Final	Organization	Commander(s) & A n: E l Wakoski, CIIN			dent Managemen ization: Type 2 Team		6. Incident Start Date/Time: Date: 08/24/2020 Time: 1125 PDT		
	 8a. Percent (%) Contained or Completed: 73 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 % 	9. Incident Type Complex B. Incident Desc Wildfire C. Cause: Unknown D. Fire Suppress Strategy Monitor Confine Point Zone Protection Full Suppression	sion Strateg	JY: nt (%) 100	Complexity Level: Single	From I 10/18 To Dat	eport Time Period: Date/Time: 8/2020 1730 PDT te/Time: 9/2020 1715 PDT		
12. Prepared By: Print Name: Bryan Ver	gne	13. Appro Print Nam	oved By: ne: Michae	l Wak	oski				
Date/Time Prepared: 10 PDT)/19/2020 17:	15 Signature	:						
14. Date/Time Submitte 10/19/2020 1730 P		15. Primary Loca CA-OSCC	tion, Orgar	nization	i, or Agency Sent	: To:			
16. State: CA	17. County / Pa Tulare	arish / Borough:					18. City:		
19. Unit or Other: 20.	Incident Jurisdi	iction: 21. Incid CA-SQI		on Owr	nership (if differe	ent thar	n jurisdiction):		
22. Latitude/Longitude: Latitude: 36º 15' 18' Longitude: 118º 29'	" (48" ⁾	3. US National Gri Grid Zone: x-Coordinate: y-Coordinate:	d Referenc	e:	24. Legal Principal Townshij 1/4 Sec:	Meridia p: I			
25. Short Location or Ar 25 miles north of Ker		list all affected ar	eas or a re	ference	e point):	Z	UTM Coordinates: one: Easting: orthing:		
27. Note any geospatial All geospatial data ar https://ftp.nifc.gov/ %20COMPLEX/GIS/I	nd products ar	e uploaded to F	TP 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):

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Active Flanking Backing Spotting

Narrative:

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

Divisions U and E: Active flanking, backing, and short range spotting. Single Tree and group torching with short runs.

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 85%-90% range unshaded. Single group tree torching will likely occur around Cahoon Meadow.

Expect the fire to remain active in thermal belts or until the RH recovers above 25-30%.

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	A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
damaged, and 55 destroyed.	E. Single Residences	1,075	10	173
	F. Multiple Residences	0	0	0
EVACUATION ORDERS-Communities and Areas under an Evacuation Order:	G. Mixed Commercial / Residential	0	0	0
-NONE	H. Nonresidential Commercial Property	0	0	0
EVACUATION WARNING-Communities and Areas	I. Other Minor Structures	0	2	55
open to Residents ONLY: -South Fork Drive past Conley Bridge to Salt Creek Fire Control Road -Silver City -Mineral King	A. Structural SummaryB. # Threatened (up to 72 hrs)C. # DamagedD. # DestroE. Single Residences1,0751010F. Multiple Residences0010G. Mixed Commercial / Residential00H. Nonresidential Commercial Property00I. Other Minor Structures02			

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AREA CLOSURES: Sequoia National Park- OPEN. Exception: 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	
ROAD CLOSURE and/or TEMPORARY CONTROL POINTS	
(https://tularecounty.ca.gov/emergencies/): -Mountain Home Demonstration State Forest -Balch Park Campground	

31. Public Status Summary:				32. Responder Status Summary:						
C. Indicate the Number of <u>Civi</u>	<u>lians</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			

33. Life, Safety, and Health Status/Threat Remarks:	34. Life, Safety, and Health Threat				
Safety and health threats to suppression personnel includes long	Management:				
travel routes of narrow mountain roads through rural, farming, and		Active?			
ranching communities with limited visibility due to smoky	A. No Likely Threat				

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conditions. Congested roadways and heavy traffic in and around the		Active?
incident. Drought, bug kill, & fire Weakened trees all have accident	B. Potential Future Threat	х
potential. Steep, terrain will bring footing issues, access issues creates alignment and safety issues. The changing weather	C. Mass Notifications in Progress	
conditions will affect the work zones.	D. Mass Notifications Completed	
	E. No Evacuation(s) Imminent	
There is potential to threaten the communities of Three Rivers and the structures in the South Fork drainage.	F. Planning for Evacuation	
35. Weather Concerns (synopsis of current and predicted weather; discuss	G. Planning for Shelter-in-Place	
related factors that may cause concern):	H. Evacuation(s) in Progress	
It was yet another sunny and smoky day over the fire area. Winds	I. Shelter-in-Place in Progress	
were light and terrain driven across most elevations with a light	J. Repopulation in Progress	х
westerly breeze across the higher ridge tops in the afternoon. High temperatures were within a degree or two of yesterday, slightly	K. Mass Immunization in Progress	
warmer on the east side and slightly cooler on the west side,	L. Mass Immunization Complete	
generally in the 60s at the highest elevations to the middle 80s in	M. Quarantine in Progress	
the western valleys. With the light westerly flow, minimum humidity	N. Area Restriction in Effect	
levels on the west half of the fire remained in the 20s to lower 30s	O. Road Closure	х
with much lower single digit readings across the eastern half of the fire.	P. Trail Closure	х
	Q. Area Closure	х
Slightly warmer temperatures are expected Tuesday with a slight down turn again Wednesday. Winds Both days will be light and terrain driven with low humidity levels. A storm system approaching the region will result in temperatures beginning a more pronounced cooling trend into the weekend with below normal temperatures expected by Sunday. Higher humidity levels will also spread across the area with a small chance for a few light mountain showers Saturday night into Sunday.		
r		

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. Fire remains active through the night in Div U/ E.

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, Case Mountain and Case Mountain Sequoia Grove.

48 hours: Same as 24 hour.

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

Anticipated after 72 hours: Continuation of direct containment line construction in Division U; Continuation of suppression repair.

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

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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
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 Quinn Patrol Cabin. Wilderness values within the Sequoia National Park.
Threat to structures in the South Fork drainage, critical infrastructure in the Case Mountain
²⁴ hours: 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
2 EMTF
2 EMPF
1 ABRO
1 FBAN
1 SITL
1 HEQB 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,

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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. Continue to confine/ contain on the southern edge of the park.

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.

Implementation and support of 6 Spike camps in the fire area to decrease travel time and improve efficiency, to facilitate with suppression and suppression repair.

41. Planned Actions for Next Operational Period:

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

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

Continue direst and indirect attack and suppression repair.

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: **\$100,035,875.00**

46. Projected Final Incident Cost Estimate: **\$144,000,000.00**

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

Incident Name		Suppression Strategy Area Full Suppression 167,754		Area			Ctn	% /Comp	1	% Ctn/Comp Measure		Est. Cost to Date		Est. Comp Date		Perimeter	
CASTLE	Ful	l Supp			Acre	es	73		Perce	ent		100,03	5,875	11/01	/2020		
SHOTGUN Full Suppression 841 Acres 100 Percent									10/04	/2020							
49. Resour	Name Strategy Measure Ctn/Comp Measure Date Date Date Date ASTLE Full Suppression 167,754 Acres 73 Percent 100,035,875 11/01/2020 10/04/2020 HOTGUN Full Suppression 841 Acres 100 Percent 100,035,875 11/01/2020 10/04/2020 O. Resources Suppression 841 Acres 100 Percent U <								show # of								
48. Agency or Org		CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG3	ENG6	DOZR	WTDT	WTDS	MAST		Tot	
	Rsrc	0	0	0	0	0	0	0	0	1	0	0	0	0			
BIA	Pers	0	0	0	0	0	0	0	0	3	0	0	0	0	4	7	
DIM	Rsrc	0	0	0	0	0	0	0	0	1	0	0	0	0			
BLM	Pers	0	0	0	0	0	0	0	0	3	0	0	0	0	14	17	
C&L	Rsrc	0	0	0	0	0	0	0	0	10	0	0	0	0			

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C&L	Pers	0	0	0	0	0	0	0	0	33	0	0	0	0	55	88
	Rsrc	0	0	0	4	0	0	0	0	0	0	0	0	0		
CA	Pers	0	0	0	58	0	0	0	0	0	0	0	0	0	6	64
	Rsrc	2	0	1	0	0	0	0	5	0	0	2	0	0		
FS	Pers	40	0	20	0	0	0	0	25	0	0	4	0	0	87	176
FWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
FWS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
MEX	Rsrc	0	5	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	88
NPS	Rsrc	1	0	0	0	0	0	0	0	0	0	0	0	0		
NP5	Pers	19	0	0	0	0	0	0	0	0	0	0	0	0	21	40
NWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
INW5	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
OES	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
ULS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
PRI	Rsrc	0	4	0	0	5	4	3	1	3	3	4	9	2		
FK1	Pers	0	80	0	0	21	60	27	3	9	6	4	10	4	3	235
ST	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
51	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
52. Total Resources		3	9	1	4	5	4	3	6	15	3	6	9	2		726

53. Additional Cooperating and Assisting Organizations Not Listed Above:

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.