

Incident Status Summary (ICS-209)

Incident: **SQF COMPLEX**

1. Incident Name: SQF COMPLEX		2. Incident Number: CA-SQF-002622									
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: Brian Pisarek, Eastern Area IMT	5. Incident Management Organization: Type 2 Team	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"): 169536 Acres	8a. Percent (%) Contained or Completed: 75 %	9. Incident Type: Complex B. Incident Description: Wildfire C. Cause: D. Fire Suppression Strategy:	10. Incident Complexity Level: Single <input checked="" type="checkbox"/> Complex	11. Report Time Period: From Date/Time: 10/23/2020 1730 PDT To Date/Time: 10/24/2020 1630 PDT							
	8b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Strategy</th> <th style="width: 50%;">Percent (%)</th> </tr> </thead> <tbody> <tr> <td>Monitor</td> <td></td> </tr> <tr> <td>Confine</td> <td></td> </tr> <tr> <td>Point Zone Protection</td> <td></td> </tr> <tr> <td>Full Suppression</td> <td style="text-align: center;">100</td> </tr> </tbody> </table>	Strategy	Percent (%)	Monitor		Confine	
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Confine											
Point Zone Protection											
Full Suppression	100										
12. Prepared By: Print Name: Bryan Vergne Date/Time Prepared: 10/24/2020 1730 PDT		13. Approved By: Print Name: Brian Pisarek Signature: _____									
14. Date/Time Submitted:		15. Primary Location, Organization, or Agency Sent To: CA-OSSC									
16. State: CA	17. County / Parish / Borough: Tulare	18. City:									
19. Unit or Other:	20. Incident Jurisdiction: CA-SQF	21. Incident Location Ownership (if different than jurisdiction):									
22. Latitude/Longitude: Latitude: 36° 15' 18" Longitude: 118° 29' 48"	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township: Range: Section: 1/4 Sec: of 1/4 Sec:									
25. Short Location or Area Description (list all affected areas or a reference point): 25 miles north of Kernville, CA			26. UTM Coordinates: Zone: Easting: Northing:								
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): All geospatial data and products are uploaded to FTP site. https://ftp.nifc.gov/public/incident_specific_data/calif_s/!2020_Incidents/CA-SQF-002622_SQF%20COMPLEX/GIS/Products/											
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
Backing
Single Tree Torching**

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 with single tree torching.
Rotary wing aircraft and Type 1 crews were effective in limiting advance of fire east of Homers Nose.
Spotting distances of 300-600 feet and the POI will be 65% in unshaded fuels.

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 live fuels are curing. These include stands of dense mixed conifer with heavy brush below timber lines. Fire is burning within areas of significant tree mortality contributing to a high 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:
-NONE**

EVACUATION WARNING-Communities and Areas open to Residents ONLY:

**-South Fork Drive past Conley Bridge to Salt Creek Fire Control Road
-Silver City
-Mineral King**

**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.**

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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<p>Sequoia National Forest- Western Divide (M107) CLOSED, while the Hume Lake and Kern River Ranger Districts remain OPEN.</p> <p>Inyo National Forest- OPEN. Exception: All Wilderness Areas in the Sierra Nevada and Monache</p> <p>ROAD CLOSURE and/or TEMPORARY CONTROL POINTS (https://tularecounty.ca.gov/emergencies/): -Mountain Home Demonstration State Forest -Balch Park Campground</p>	
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31. Public Status Summary: <i>C. Indicate the Number of Civilians (Public) Below:</i>				32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i>			
	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

<p>33. Life, Safety, and Health Status/Threat Remarks:</p> <p>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 bring footing issues, access issues creates alignment and safety issues. The changing weather conditions will affect the work zones.</p> <p>There is potential to threaten the communities of Three Rivers and the structures in the South Fork drainage.</p>	<p>34. Life, Safety, and Health Threat Management:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%;">Active?</th> </tr> </thead> <tbody> <tr> <td>A. No Likely Threat</td> <td></td> </tr> <tr> <td>B. Potential Future Threat</td> <td style="text-align: center;">X</td> </tr> <tr> <td>C. Mass Notifications in Progress</td> <td></td> </tr> <tr> <td>D. Mass Notifications Completed</td> <td></td> </tr> <tr> <td>E. No Evacuation(s) Imminent</td> <td style="text-align: center;">X</td> </tr> <tr> <td>F. Planning for Evacuation</td> <td></td> </tr> <tr> <td>G. Planning for Shelter-in-Place</td> <td></td> </tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	X	C. Mass Notifications in Progress		D. Mass Notifications Completed		E. No Evacuation(s) Imminent	X	F. Planning for Evacuation		G. Planning for Shelter-in-Place	
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<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): Drier desert air filtered over the fire area last night which brought a dry start to the day. Morning humidity values largely started in the 15-25% range and really didn't budge much. Westerly winds arrived in the exposed areas with gusts 15-17 mph. Surface heating was a little better for many fire areas today as local and distant smoke was greatly reduced, however, the westerly flow did produce both high and mid-level clouds above the fire that brought shading across the eastern 1/3rd of the perimeter in the afternoon.</p> <p>The primary concern remains for Sunday night through Monday afternoon. The NWS Hanford office has issued a Red Flag Warning from 1700 hrs Sunday through 1700 hrs Tuesday for strong winds and low humidity covering the entire southern Sierra. Canadian low pressure drops south over the Great Basin and brings a fairly dry cold front across the fire area sometime Sunday evening. The most significant impact on this fire area will be gusty north to northeast winds with peak gusts 25-35 mph around the 7000 foot level with gusts 40-45 mph or greater on the highest terrain. Strong winds begin blowing from the north late Sunday night/early Monday morning, then shift from the northeast mid-day and then finally from the east sometime early Monday evening. Winds will significantly decrease Tuesday morning but still remain rather breezy.</p> <p>Additionally, very cold air will arrive with this front. Light precipitation is possible Sunday night through Monday morning in the form of rain and higher elevation snow. Amounts will not likely have a significant impact on fuel moisture. Currently, expect about a 25 percent chance of wetting amounts from this system. Tuesday's high mountain valley low temperatures could reach the single digits. High pressure returns starting Wednesday and brings mild and dry weather for at least the next several days.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">Active?</th> </tr> </thead> <tbody> <tr><td>H. Evacuation(s) in Progress</td><td></td></tr> <tr><td>I. Shelter-in-Place in Progress</td><td></td></tr> <tr><td>J. Repopulation in Progress</td><td></td></tr> <tr><td>K. Mass Immunization in Progress</td><td></td></tr> <tr><td>L. Mass Immunization Complete</td><td></td></tr> <tr><td>M. Quarantine in Progress</td><td></td></tr> <tr><td>N. Area Restriction in Effect</td><td></td></tr> <tr><td>O. Road Closure</td><td style="text-align: center;">X</td></tr> <tr><td>P. Trail Closure</td><td style="text-align: center;">X</td></tr> <tr><td>Q. Area Closure</td><td style="text-align: center;">X</td></tr> </tbody> </table>		Active?	H. Evacuation(s) in Progress		I. Shelter-in-Place in Progress		J. Repopulation in Progress		K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect		O. Road Closure	X	P. Trail Closure	X	Q. Area Closure	X
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<p>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:</p>	
<p>Increased fire activity on north east corner of the fire in the area of Homers Nose and Cahoon Meadow mainly during the afternoon burn period.</p>	
<p>12 hours: Fire burning mid slope on the northwest corner of the fire remains active into the early evening hours.</p>	
<p>24 hours: Same as 12 hour.</p>	
<p>48 hours: Increased surface fire activity on the northwest and northeast corners of the fire due to low RH and increased winds. Potential for fire to threaten the structures in the South Fork Drainage and Three Rivers.</p>	
<p>72 hours: Same as 48</p>	
<p>Anticipated after 72 hours: Warming and drying trend returns</p>	

<p>37. Strategic Objectives (define planned end-state for incident): Strategic Framework</p>	
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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 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:

12 hours: **Threat to structures: Hockett Meadows Ranger Station, Peck's Cabin, Kern Cabin, Ming Cabin, and Quinn Patrol Cabin. Wilderness values within the Sequoia National Park.**

24 hours: **Threat to structures and 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:

**4 EMPF
1 HEQB
2 TFLD
1 GISS
2 FOBS**

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.**

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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 and northeast continues to burn. 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 4 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:

Point protection for critical values at risk continue to be evaluated in Div U/I

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

Continue direct 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: **\$106,658,766.00**

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	Area Measure	% Ctn/Comp	% Ctn/Comp Measure	Est. Cost to Date	Est. Comp Date	Perimeter
CASTLE	Full Suppression	168,695	Acres	75	Percent	106,658,766	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 1/2 of box, show # of personnel associated with resource on bottom 1/2 of box):

48. Agency or Org		CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG2	ENG3	ENG6	DOZR	WTDT	WTDS	MAST	50. Ovhd	51. Tot Pers
		BIA	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
BLM	Rsrc	0	0	0	0	0	0	0	0	0	1	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	3	0	0	0	0	11	14

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C&L	Rsrc	0	0	0	0	0	0	0	0	0	5	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	17	0	0	0	0	2	19
CA	Rsrc	0	0	0	5	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	68	0	0	0	0	0	0	0	0	0	0	6	74
CA-CDF	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
FS	Rsrc	0	2	1	1	0	0	0	0	4	0	1	2	1	0		
	Pers	0	40	17	10	0	0	0	0	20	0	3	4	1	0	86	181
FWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
MEX	Rsrc	0	5	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	98
NPS	Rsrc	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	15	0	0	0	0	0	0	0	0	0	0	0	0	0	26	41
NWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	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	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
PRI	Rsrc	0	3	0	0	4	3	2	0	0	4	4	2	13	5		
	Pers	0	60	0	0	18	45	18	0	0	9	7	5	13	8	5	192
ST	Rsrc	0	0	0	0	0	0	0	1	0	0	0	0	0	1		
	Pers	0	0	0	0	0	0	0	3	0	0	0	0	0	1	71	75
52. Total Resources		2	10	1	6	4	3	2	1	4	10	5	4	14	6		706

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.