

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: Michael Wakoski, CIIMT 13 Jesse Estrada, CAL FIRE Tulare Unit	5. Incident Management Organization: Type 2 Team <input checked="" type="checkbox"/> Unified 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"): 166318 Acres	8a. Percent (%) Contained or Completed: 65 % 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 Suppression Strategy:									
		<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		Point Zone Protection	
Strategy	Percent (%)										
Monitor											
Confine											
Point Zone Protection											
Full Suppression	100										
		10. Incident Complexity Level: Single <input checked="" type="checkbox"/> Complex	11. Report Time Period: From Date/Time: 10/09/2020 1800 PDT To Date/Time: 10/10/2020 0530 PDT								
12. Prepared By: Print Name: John Mosley Date/Time Prepared: 10/10/2020 0530 PDT		13. Approved By: Print Name: Michael Waksoki Signature: _____									
14. Date/Time Submitted: 10/10/2020 0541 PDT		15. Primary Location, Organization, or Agency Sent To: CA-OSCC									
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):											

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**Active
Flanking
Backing
Spotting**

Narrative:

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

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

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

With the cooler weather and higher RH, fire behavior will moderate. With the dry fuels, forward fire progression will continue to the north and east but will be mainly backing and flanking. Spotting distances will drop to about 100 feet and the POI will drop into the 50-60% range unshaded. Some single tree torching will likely occur but forward movement will be minimal.

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.

Mandatory Evacuations Locations:

**-Alpine Village
-Cedar Slope
-Pyles Boys Camp
-Redwood Drive
-Sequoia Crest**

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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-East of Sequoia National Forest Boundary, from the intersection of Hwy 190 and Balch Park, Bear Creek Road and Rancheria Fire Road (Excluding parts of Bear Creek homes under a Warning)
-South Fork Drive in Three Rivers, from (and including) Cinnamon Canyon Road at the north, south to Devils Canyon Road, East from South Fork Drive to Cinnamon Gap, Cahoon Mountain, and Blossom Peak Road, south of Mountain Springs Road to Devils Canyon

Voluntary Evacuation Warning:

-Coy Flat
-Mineral King
-Silver City
-Remainder of South Fork Drive
-Camp Nelson
-Pier Point
-Ponderosa
-Doyle Springs
-Blue Ridge Drive between Balch Park Road and the Gate at Grouse Valley
-Bear Creek Road from Rancheria Fire Control Road to the address of 44853 Bear Creek Road
-Rodgers Camp
-Mountain Aire
-Balch Park Road from the intersection of Blue Ridge Drive to Battle Mountain Monument

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/>):

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<p>-Mountain 50 & Mountain 107 -Mountain 99 & Sherman Pass -Sequoia National Forest/Park Closure -Sherman Pass & Cherry -Nelson Dr. at Skyline -M107 at Fox Road -Highway 190 at Rio Vista -Highway 190 below Redwood Dr. (1748 Hwy 190) -Balch Park & Blue Ridge -Bear Creek & Rancheria Fire Rd.</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: 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></td></tr> <tr><td>F. Planning for Evacuation</td><td></td></tr> <tr><td>G. Planning for Shelter-in-Place</td><td></td></tr> <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 style="text-align: center;">X</td></tr> <tr><td>K. Mass Immunization in Progress</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		F. Planning for Evacuation		G. Planning for Shelter-in-Place		H. Evacuation(s) in Progress		I. Shelter-in-Place in Progress		J. Repopulation in Progress	X	K. Mass Immunization in Progress	
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<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): Mostly clear and cool conditions occurred across the fire with good humidity recoveries for a majority of fire. Conditions on the eastern third of the fire were a bit drier, however the humidity was</p>																									

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<p>noticeably higher than previous nights.</p> <p>Temperatures generally bottomed out in the 40s across the upper slopes and ridges and in the 50s in the valleys with the exception of some of the higher eastern valleys where low temperatures were in the 30s. Light transport winds continued to contribute to fairly poor ventilation and visibility.</p> <p>The somewhat cool, humid and stable conditions will continue through Sunday with generally poor ventilation, especially Sunday. Then high pressure will result in quickly warming temperatures Monday onward with humidity levels dropping to rather low levels once again. Overall, winds will be light with smoke issues lingering into the first half of the week. No rainfall is expected for the next 7 to 10 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>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?	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>The smoke inversion over the fire continues to moderate fire behavior in morning with increasing fire behavior in the afternoon as the inversion breaks. An increase in humidity also is moderating fire behavior.</p>
<p>12 hours: increasing fire behavior in the afternoon as the inversion breaks. An increase in humidity also is moderating fire behavior.</p>
<p>24 hours: There is continued potential for fire growth in the north and northwest, including the potential to threaten the communities of Three Rivers and the structures in the South Fork drainage.</p>
<p>48 hours: Same as 24 hour.</p>
<p>72 hours: Same as 24 hour.</p>
<p>Anticipated after 72 hours: Continuation of suppression repair and indirect containment line construction in Division T/U.</p>

<p>37. Strategic Objectives (define planned end-state for incident):</p> <p>Strategic Framework</p> <p>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.</p> <p>Control Objectives</p> <p>To prevent the fires from spreading to private property, surrounding communities, and values at risk, keep the fire:</p> <ul style="list-style-type: none"> -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.

<p>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,</p>
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cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts:	
12 hours:	Threat to structures in the South Fork drainage, including the Hockett Meadows Ranger 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 on Case Mountain. Several 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:	
12 hours:	<ul style="list-style-type: none"> 1 medical support trailer 1 FBAN 1 ATGS 1 ABRO 1 HMGB 2 UASP's, carded for aerial ignition 1 Type 1 Crew 3 TFLD 2 SITL's
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 and northwest 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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Implementation of Slick Rock Spike camp on 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.

Continue to 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: **\$88,258,427.00**

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	165,477	Acres	65	Percent	88,258,427	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	HEL1	HEL2	HEL3	ENG3	ENG4	ENG5	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	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	7	28
C&L	Rsrc	0	0	0	0	0	0	5	0	0	10	0	0	0	0		
	Pers	0	0	0	0	0	0	19	0	0	33	0	0	0	0	49	101
CA	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
CA-CDF	Rsrc	2	1	0	0	0	0	3	0	0	0	0	0	0	0		
	Pers	34	16	0	0	0	0	12	0	0	0	0	0	0	0	24	86
FS	Rsrc	3	2	1	0	0	0	13	0	0	0	1	2	0	0		
	Pers	60	42	18	0	0	0	63	0	0	0	2	4	0	0	42	233

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FWS	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	5	0	0	0	0	0	5
MEX	Rsrc	0	5	0	0	0	0	0	0	0	0	0	0	0	0		
	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		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
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	1	1
OES	Rsrc	0	0	0	0	0	0	5	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	18
PRI	Rsrc	0	0	0	6	2	2	2	2	1	6	12	6	7	2		
	Pers	0	0	0	15	36	17	6	6	3	18	19	6	8	4	8	159
ST	Rsrc	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	3	0	0	0	0	0	0	0	8	11
52. Total Resources		5	9	1	6	2	2	29	2	1	18	13	8	7	2		741

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.