


Incident Status Summary (ICS-209)

Incident: **SCU Lightning Complex**

1. Incident Name: SCU Lightning Complex		2. Incident Number: CA-SCU-005740									
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: J. VEIK (IC)	5. Incident Management Organization: Type 1 Team	6. Incident Start Date/Time: Date: 08/16/2020 Time: 0556 PDT								
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 35000 Acres	8a. Percent (%) Contained or Completed: 4 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %	9. Incident Type: Wildfire B. Incident Description: 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: <input checked="" type="checkbox"/> Single Complex	11. Report Time Period: From Date/Time: 08/18/2020 0600 PDT To Date/Time: 08/18/2020 1800 PDT								
12. Prepared By: Print Name: Roy Broomfield Date/Time Prepared: 08/18/2020 1800 PDT		13. Approved By: Print Name: D. Martin (DPIC) Signature: 									
14. Date/Time Submitted: 08/18/2020 2020 PDT		15. Primary Location, Organization, or Agency Sent To: North Ops									
16. State: CA	17. County / Parish / Borough: Contra Costa		18. City:								
19. Unit or Other:	20. Incident Jurisdiction:	21. Incident Location Ownership (if different than jurisdiction): CA-SCU									
22. Latitude/Longitude: Latitude: 37° 52' 55" Longitude: 121° 46' 38"		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): Oak Ridge, unincorporated Santa Clara County			26. UTM Coordinates: Zone: Easting: Northing:								
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): https://ftp.nifc.gov/public/incident_specific_data/calif_n/!CALFIRE/!2020_Incidents/CA-SCU-005772_SCU_Lightning_Complex/											
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): Extreme Uphill Runs											

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Group Torching
 Narrative:
Critical rates of spread, Medium range spotting among inaccessible terrain combined with triple digit temperatures which is increasing fire behavior. Inversion will break early in the morning replaced by strong winds. Poor overnight RH recovery combined with West winds will test the shakey containment lines in all zones.

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):
**Tall Grass (2.5 feet)
 Chaparral (6 feet)**
 Narrative:

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):
The SCU LIGHTNING COMPLEX started on August 16, there are approximately 20 separate fires within the complex. The complex is broken into three zones; Canyon, Calaveras, and Deer. The fires continue to burn in steep inaccessible terrain influenced by low RH and high daytime temperatures. There is currently an excessive heat warning in place until Wednesday August 19, 2020.

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	1,200	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

31. Public Status Summary:
C. Indicate the Number of Civilians (Public) Below:

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0
E. With Injuries/Illness	0		0
F. Trapped/In Need of Rescue	0		0
G. Missing	0		0
H. Evacuated	0		0
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0
M. In Quarantine	0		0
N. Total # Civilians (Public) Affected:	0		0

32. Responder Status Summary:
C. Indicate the Number of Responders Below:

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0
E. With Injuries/Illness	2	0	2
F. Trapped/In Need of Rescue	0		0
G. Missing	0		0
H. Evacuated	0		0
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0
M. In Quarantine	0		0
N. Total # Responders Affected:	2	0	2

33. Life, Safety, and Health Status/Threat Remarks:
Fire Fighters are continuing to battle triple degree temperatures and

34. Life, Safety, and Health Threat Management:

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<p>extreme fire behavior. Crews are also practicing social distancing and taking all COVID precautions.</p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): *** CALAVERAS ZONE WEATHER*****</p> <p>.DISCUSSION...Mostly sunny skies with smoke and haze as high pressure rebuilds. Temperatures will continue to be unseasonably hot with highs in the 90s with mainly slope driven winds over the Marsh Zone. Humidity values remain seasonably dry with the biggest concern as the inversion lifts around midday allowing the fires to ventilate. Continued warm and dry overnight into Wednesday morning.</p> <p>.TUESDAY NIGHT...</p> <p>Sky/weather.....Mostly clear. Min temperature.....75-80. Max humidity.....50 percent lower slopes 25-40 percent midslopes. Ridge winds.....Northwest winds 5 to 10 mph with evening gusts 15 mph. Lower/mid slopes....Downcanyon 1-4 mph. CWR.....0 percent. LAL.....1. Mixing height.....500 ft AGL. Transport winds.....Northwest around 10 mph. Marine layer.....None.</p> <p>*****CANYON ZONE WEATHER*****</p> <p>.DISCUSSION...Partly sunny skies with smoke and haze as high pressure rebuilds. Temperatures will continue to be unseasonably hot with triple digit heat. Humidity values remain seasonably dry with afternoon westerly winds being the biggest concern as the inversion lifts around midday allowing the fires to ventilate. Continued warm and dry overnight into Wednesday morning.</p> <p>Tuesday night Max Temperature....75-80 Min Humidity..... 30-40 percent Ridge winds..... Winds out of the north 5-10 mph.</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>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 style="text-align: center;">X</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 style="text-align: center;">X</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></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 style="text-align: center;">X</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?	A. No Likely Threat		B. Potential Future Threat	X	C. Mass Notifications in Progress	X	D. Mass Notifications Completed		E. No Evacuation(s) Imminent		F. Planning for Evacuation	X	G. Planning for Shelter-in-Place		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	X	O. Road Closure	X	P. Trail Closure	X	Q. Area Closure	X
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<p>Lower/ Mid slope..... light then afternoon upslope 3-8 mph. CWR..... 0 percent LAL..... 1.</p> <p>*****DEER ZONE WEATHER*****</p> <p>.DISCUSSION...Partly sunny skies with smoke and haze as high pressure rebuilds. Temperatures will continue to be unseasonably hot with triple digit heat. Humidity values remain seasonably dry with afternoon westerly winds being the biggest concern as the inversion lifts around midday allowing the fires to ventilate. Continued warm and dry overnight into Wednesday morning.</p> <p>.TUESDAY NIGHT...</p> <p>Sky/weather.....Mostly clear with smoke and haze. Min temperature.....81-86. Max humidity.....40-50 percent. Wind (20 ft).....West winds 10 to 15 mph with gusts to around 25 mph through sunset then gradually easing overnight. CWR.....0 percent. LAL.....1. Mixing height.....500 ft AGL. Transport winds.....West around 15 mph. Marine layer.....None.</p>	
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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: **The fires perimeter is expected to grow when in alignment with topography and the wind. Hot and dry conditions have brought fuels to a critical level, which will cause rapid fire growth.**

24 hours: **The fires perimeter is expected to grow when in alignment with topography and the wind. Hot and dry conditions have brought fuels to a critical level, which will cause rapid fire growth.**

48 hours: **The fires perimeter is expected to grow when in alignment with topography and the wind. Hot and dry conditions have brought fuels to a critical level, which will cause rapid fire growth.**

72 hours: **The fires perimeter is expected to grow when in alignment with topography and the wind. Hot and dry conditions have brought fuels to a critical level, which will cause rapid fire growth.**

Anticipated after 72 hours:

37. Strategic Objectives (define planned end-state for incident):

fires are burning in remote places, some of the terrain has little to no fire history with decadent fuels which has allowed the fire growth to explode. Currently there is widespread threat to critical infrastructure of communications which service the San Jose Area, Pleasanton, Livermore, and Santa Clara ECC. PG&E has significant transmission assets (500kV, 230kV & 115kV lines) in Branches XXV, XV & XVI of the Marsh and Canyon fire footprints. These are significant transmission lines that serve northern and central California, including the Bay Area. These lines are critical to help maintain the stability of the electrical grid. Protection of this critical infrastructure should be a high priority. Culture assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, and Henry Coe State Park as well as threats to amphibious animals such as the red legged frog, Alameda whip snake and other

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listed amphibians.

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: **Currently the fires are burning in remote places, some of the terrain has little to no fire history with decadent fuels which has allowed the fire growth to explode. Currently there is widespread threat to critical infrastructure of communications which service the San Jose Area, Pleasanton, Livermore, and Santa Clara ECC. PG&E has significant transmission assets (500kV, 230kV & 115kV lines) in Branches XXV, XV & XVI of the Marsh and Canyon fire footprints. These are significant transmission lines that serve northern and central California, including the Bay Area. These lines are critical to help maintain the stability of the electrical grid. Protection of this critical infrastructure should be a high priority. Culture assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, and Henry Coe State Park as well as threats to amphibious animals such as the red legged frog, Alameda whip snake and other listed amphibians.**

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Anticipated after 72 hours:

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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: 24 **Golf Strike Teams**
24 **Type 3 Strike Teams**
1 **Type 6 Strikes Team**
15 **Type 2 IA Handcrews**
32 **Single Dozers**
01 **Lima Strike Teams**
30 **Watertenders**
22 **DIVS**
02 **FALM**

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Anticipated after 72 hours:

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.

Crews will build direct and indirect fireline where possible. The fire continues to burn in steep terrain and is influenced by terrain driven runs, extreme temperatures, and low RHs. The incident is in need of critical resources to protect sensitive wildlife and the critical power and communication infrastructure throughout the area. Heavy fire activity in the region is straining resource availability and may present a challenge to fire control.

41. Planned Actions for Next Operational Period:

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Crews will continue to scout for safe access points in order to construct direct and indirect fire line. Continued recon for new starts from lightning storm on August 16, 2020. Most crews assigned to the incident were part of the initial attack.

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):

43. Anticipated Incident Containment or Completion Date: **09/16/2020**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$2,820,917.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):
CALFIRE IMT 6 has transitioned all of the fires into the SCU LIGHTNING COMPLEX- CA SCU 005740 as of August 17, 2020. It is expected that more fires will become part of the SCU LIGHTNING COMPLEX.

Incident Name	Suppression Strategy	Area Measure	%	Ctn/Comp	% Ctn/Comp	Est. Cost to Date	Est. Comp Date	Perimeter
Marsh 4-1	Full Suppression	1,000 Acres	10 Percent			\$80,600	9/16	100
Arroyo	Full Suppression	1,000 Acres	10 Percent			\$80,600	8/22	100
Deer	Full Suppression	3,000 Acres	4 Percent			\$241,800	8/22	100
Canyon	Full Suppression	30,000 Acres	0 Percent			\$2,417,929	9/16	100

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	CRC	ENG3	DOZR	MCC	MKU	WTDS	50. Ovhd	51. Tot Pers
		C&L	Rsrc	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	28	28
CA	Rsrc	0	0	2	0	0	0	0	0		
	Pers	0	0	23	0	0	0	0	0	1	24
CA-CDF	Rsrc	2	8	2	25	8	1	1	0		
	Pers	29	142	25	88	15	2	11	0	49	361
FS	Rsrc	0	2	0	0	0	0	0	0		
	Pers	0	28	0	0	0	0	0	0	0	28
OES	Rsrc	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	1	1
PRI	Rsrc	0	1	0	0	1	0	0	3		
	Pers	0	20	0	0	2	0	0	6	108	136

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52. Total Resources	2	11	4	25	9	1	1	3	578
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53. Additional Cooperating and Assisting Organizations Not Listed Above:
Pleasanton P.D, Santa Clara Public Safety Communications, San Joaquin OES, San Joaquin County S.O, Stanislaus County S.O/OES, Santa Clara County S.O, PG&E, CHP, Alameda County S.O, Adobe Springs Water & Electric, West Side Stanislaus Resource Conservation, Stanislaus County S.O, Stanislaus County Fire Dept, Stanislaus OES, TID Power, Contra Costa OES, and Santa Clara OES.