


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"): 360055 Acres	8a. Percent (%) Contained or Completed: 15 %	9. Incident Type: Wildfire B. Incident Description: C. Cause: Unknown D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %		
12. Prepared By: Print Name: Roy Broomfield (SITL) Date/Time Prepared: 08/24/2020 1730 PDT		13. Approved By: Print Name: Dusty Martin (DPIC) Signature: 	
14. Date/Time Submitted: 08/24/2020 1759 PDT	15. Primary Location, Organization, or Agency Sent To: North Ops		
16. State: CA	17. County / Parish / Borough: Stanislaus	18. City: Pleasanton	
19. Unit or Other:	20. Incident Jurisdiction: CA-SCU	21. Incident Location Ownership (if different than jurisdiction): CA-SCU	
22. Latitude/Longitude: Latitude: 37° 24' 30" Longitude: 121° 26' 7"	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): Multiple locations across Diablo Mountain Range.			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-005740_SCU_Lightning_Complex/ https://www.fire.ca.gov/incidents/2020/8/18/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): Active			

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**Long-range Spotting
Uphill Runs
Smoldering**

Narrative:
Low night time humidity above 1,500' continues to allow fires to actively burn throughout the night. Steep drainages have been a large catch basin for rolling material, and aid in slope reversal once fires become established with minimal heat in the bottoms. Spotting continues in all uncontrolled areas, resulting in increased acreage. Outflow winds aided multiple sections of line in becoming active as the weather system passed through. Dry fuels has allowed for spot fires and lightning strikes to quickly become active.

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):

**Tall Grass (2.5 feet)
Chaparral (6 feet)
Timber (Grass and Understory)**

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):

An FMAG has been approved on 8-21 for Santa Clara, Stanislaus, counties. Damage assessment is ongoing. SCU LIGHTNING COMPLEX started on August 16, with multiple fires within the complex. These fires have since merged into one major fire and are broken into three zones; Deer, Canyon and Calaveras. There is approximately 20000 structures and numerous critical infrastructure in the immediate area of the fire. The fires continue to burn in steep inaccessible terrain influenced by low RH and high daytime temperatures. Red Flag warning in effect starting Sunday Morning.

**Highways Closed:
Hwy 130
Roadways Closed:
Mines Road, Del Puerto Canyon Rd, Diablo Grande Parkway**

**Alameda County:
Planning for Potential for Evacuations for City of Livermore, City of Pleasanton, Fremont affecting, 124,172 of persons and roughly 44,663 structures.
Evacuations in progress for communities affecting 128 persons.**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	20,000	5	12
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	65	0	0
H. Nonresidential Commercial Property	0	0	0
I. Other Minor Structures	0	0	12

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Current orders for communities off of Calaveras Rd, Canyon Reservoir Area

Current Warnings for communities east of mission Blvd, south of Vallecitos Rd, Wetmore, Tesla Rd, Hwy 580.

**Current Evacuations: 128 Potential
Evacuations: 124,172**

SANTA CLARA COUNTY

Planning for Potential Evacuations

Unincorporated area of San Martin and east of Hwy 101.

**Evacuations in progress affecting 3962 persons:
Magnolia way, Lower Thomas Grade, Meltcalf Rd,
Coyote Creek.**

Current warnings for unincorporated area of San Martin and East of Hwy 101.

**Current Order: East of Anderson Lake, Henry Coe state park
Quimby Rd, San Felipe, HWY 130
Hamilton Rd, Calaveras Lake, Ed Levine Park,
East and North of HWY 152, East of Coyote Lake
Holiday Lake Estates.**

**Current Evacuations: 3962 Potential
Evacuations: 7203**

SAN BENITO COUNTY

Planning for Potential Evacuations south of HWY 152.

Evacuations in progress: NONE.

Current warnings for area south of HWY 152.

Current Order: None.

**Current Evacuations: 0 Potential
Evacuations: 212**

SAN JOAQUIN COUNTY

Planning for Potential Evacuations in communities, affecting 127 of persons.

Evacuations in progress for area West of I5 affecting 189 of persons.

Current warnings for area north of S. Corral Hollow Rd, West of I5

Currents orders west of I5, south of Corral Hollow Rd.

**Current Evacuations: 189 Potential
Evacuations: 117**

STANISLAUS COUNTY

**Planning for Potential Evacuations in Diablo Grande Parkway, affecting 3133 of persons.
Evacuations in progress for communities**

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<p>affecting 10 of persons. Current warnings for communities Diablo Grande Estates Current Orders for Stanislaus Count West of I5 excluding Diablo Grande Estates. Current Evacuations: 10 Potential Evacuations: 3133</p> <p>MERCED COUNTY Planning for Potential Evacuations in area around Santa Nella and West of I5, affecting 21 of persons. Evacuations in progress affecting 0 of persons. Current warnings for west of I5, North of HWY 152 excluding Santa Nella Current Orders for Communities: None at this time. Current Evacuations: 0 Potential Evacuations: 21</p> <p>FOR MORE SPECIFIC DETAILS ON EVACUATIONS PLEASE SEE: https://www.fire.ca.gov/incidents/2020/8/18/scu-lightning-complex/</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	2	0	2	E. With Injuries/Illness	3	0	3
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	6,323	0	6,323	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:	6,325	0	6,325	N. Total # Responders Affected:	3	0	3

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<p>33. Life, Safety, and Health Status/Threat Remarks: Heavy fire activity in the region is straining resource availability and has presented a challenge to fire control. Critically low fuel moistures and steep terrain will continue to contribute to extreme fire behavior. COVID-19 precautions continue to be a high priority for all personnel.</p>	<p>34. Life, Safety, and Health Threat Management:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 90%;"></th> <th style="width: 10%; 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></td></tr> <tr><td>D. Mass Notifications Completed</td><td style="text-align: center;">X</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 style="text-align: center;">X</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		D. Mass Notifications Completed	X	E. No Evacuation(s) Imminent		F. Planning for Evacuation	X	G. Planning for Shelter-in-Place		H. Evacuation(s) in Progress	X	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>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): A seasonable weather pattern is setting up and lasting through much of the upcoming week. Fire Weather conditions will be moderated with seasonable daytime highs from the mid 80s lower slopes of the Calaveras Zone and mid 90s hot interior portions of the Canyon Zone. General winds will be westerly and strongest over the higher terrain and northwest facing sections of the Calaveras Zone such as around Div Q. Winds over the Canyon Zone will be light and mainly terrain driven. Smoke will be most prevalent over the Canyon Zone as westerly transport winds push interior smoke eastward. Humidity values will be seasonably dry, lowering 22-32% afternoon hours. Continue to expect night time crashing of the humidity from around 2am-6am, especially above 1500-2000 feet interior portions of the Calaveras and Canyon Zones which can lead to rapid increases in fire behavior during the pre-dawn hours from fuels burning out or burning operations.</p>																																					

<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>12 hours: Dry night time humidity will continue to hamper control efforts by allowing the fire to burn throughout the night.</p>
<p>24 hours: Control lines will be tested when westerly winds surface through the zones. Any spot fires will grow rapidly.</p>
<p>48 hours: Highs in the mid 90's will continue to produce probability of ignitions in the 90% range and allow for spots to get established and grow rapidly.</p>
<p>72 hours: The fires perimeter is expected to grow when in alignment with topography and the wind and move into more urban areas due to limited staffing. Hot and dry conditions will continue to make a receptive fuel bed for spot fires to initiate and grow rapidly.</p>
<p>Anticipated after 72 hours:</p>

<p>37. Strategic Objectives (define planned end-state for incident): Currently the incident is using aerial assets to assist in perimeter updates and operational decisions on the complex.</p> <p>Canyon Zone and Calaveras Zone Keep the fire North of Hwy 152 Keep the fire West of I-5 Keep the fire South of Corral Hollow Rd. Keep the fire East of I-680 and Hwy 101</p> <p>Deer Zone Keep individual fires within current perimeters</p>

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Protect the numerous structures and critical infrastructure threats with the allotted resources.

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:

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.

Threats to Life and Property: Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Gilroy, Morgan Hill, San Martin, San Jose, Fremont, Livermore, and Pleasanton. Roughly 60,000 structures at risk and 130,000 people potentially evacuated.

Threats to Critical Infrastructure:

- Communications (repeaters) which service the San Jose Area, Pleasanton, Livermore, San Jose and Santa Clara ECC.
- PG&E transmission assets (500kV, 230kV & 115kV lines), two sub stations (500KV). 1 large Natural gas faculty. Supplying Northern and Southern Californian power, gas and 11 other states.
- State Water Project is currently threatened, (Gianneli Pumping/Generating Plant, Del Valle Dam) and it serves 27 million people and 750,000 acres of farmland throughout California.
- Alameda County Water District, (5 tanks, 3 reservoirs and related boosters and regulators) and a decommissioned treatment plant. Serves about 357,000 customers in the local area.

Threats to Commercial Facilities:

- Lawrence Livermore Labs (Government Facility)
- Stanford Research Institute (Government Facility)
- Disney Fireworks Manufacturing plant

Threats to Natural Resources:

- 12 hours:
- Sunol Regional Preserve
 - Ohlone Regional Preserve
 - Upper Cottonwood creek wildlife area
 - Henry Coe State Park

Threats to Endangered Resources:

- Red Legged frog,
- Coastal Horned lizard
- Western Pond turtle
- California Tiger Salamander
- Central California Roach
- Alameda whip snake
- Tule elk.

Threats to Cultural Resources:

- Prehistoric culture sites Like the summer campsite of the Ohlone Indians. Rements of these structures dating back to 1700s

- Ohlone Indians grinding pedestals.
- Historic barn dating back into the mid 1800s

Threats to Economic Impact:

- Commercial grazing, agriculture estimated at \$59.8 M
- Vineyards
- Olives, Almonds
- Adobe Springs is the source for many brands consumable water.

The Economic impact of the listed resources would cause a chain reaction if lost or damaged that would effect not only the California public but many other states.

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Threats to Commercial Facilities:

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Threats to Natural Resources:

- 24 hours:
- Sunol Regional Preserve
 - Ohlone Regional Preserve
 - Upper Cottonwood creek wildlife area
 - Henry Coe State Park

Threats to Endangered Resources:

- Red Legged frog,
- Coastal Horned lizard
- Western Pond turtle
- California Tiger Salamander
- Central California Roach
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48 hours: **Threats to Life and Property: Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Gilroy, Morgan Hill, San Martin, San Jose, Fremont, Livermore, and Pleasanton. Roughly 60,000 structures at risk and 130,000 people potentially evacuated.**

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Remnants of these structures dating back to 1700s

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Threats to Economic Impact:

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72 hours: Threats to Critical Infrastructure:

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Anticipated after 72 hours:

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: **06 Alpha Strike Teams 10 Charlie Strike Teams 08 Foxtrot Strike Teams
08 Golf Strike Teams 01 Type 1 Handcrews 03 Type 2 Handcrews
4 Type 1 Helicopters 4 Type 2 Helicopters 15 HEQB 03 Chippers
02 Masticator**

24 hours: **06 Alpha Strike Teams 10 Charlie Strike Teams 08 Foxtrot Strike Teams
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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.

Crews will continue to build direct and indirect fireline. The fire continues to burn in steep terrain and is influenced by terrain driven runs, extreme temperatures, and low RHs. The canyon and calaveras fires have merged together, the incident is in need of critical resources to protect sensitive wildlife, commercial agricultural and the critical power and communication infrastructure throughout the area as well as future structure threat of urban areas. Heavy fire activity in the region is straining resource availability and has presented a challenge to fire control.

41. Planned Actions for Next Operational Period:

Crews will continue to scout for safe access points in order to construct direct and indirect fire line. Crews will continue to secure lines of smaller lightning fires and patrol them. Mitigate ongoing structure threat, 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: **09/01/2020**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$17,904,992.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):

An FMAG for this incident has been approved on 8-21 for Santa Clara, Stanislaus counties.

FIRE	STRATEGY	Percent contained	ACRES	CONTAINMENT	EST COST
CANYON/RESERVOIR	100	15	348196	9/1	\$17,772,061
DEER	100	100	3,104	8/23	\$132,931

ALL FIRES WILL HAVE 100 ON PERIMETER

Temporary Evacuation points:

Creekside Middle School 535 Peregrine Dr, Patterson, CA 95363

Milpitas Library 160 N Main St Milpitas, CA 95035

Ann Sobrato High School Performing Arts Building 401 Burnett Ave. Morgan Hill, CA 950

ANIMAL SHELTER:

County of Santa Clara Animal Services: 408-686-3900 For the unincorporated areas of Santa Clara County, Morgan Hill, and Gilroy

