Incident: SCU LIGHTNING COMPLEX

1. Incident Name:	U LIGHTNING	COMPL	FX		2.	Incident Number		005740		
3. Report Version (check one box): Initial X Update Final		Command 1:				dent Managemer zation: 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"): 387157 Acres	8a. Percent (%) Contained or Completed: 65 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %	Wildfin B. Incide C. Cause Unknown D. Fire Monito Confin Point 2 Protect	dent Descriptionse: Suppression Strategy or ce Zone	Strate	jy: nt (%)	10. Incident Complexity Level: X Single Complex	From 08/3 To Da	eport Time Period: Date/Time: 1/2020 0600 PDT ate/Time: 1/2020 1730 PDT		
12. Prepared By: Print Name: Roy Broon Date/Time Prepared: 08 PDT	•	/30	13. Approved Print Name: L Signature:	•	1	(DPIC)	_			
14. Date/Time Submitte 08/31/2020 1732 F		15. Prin North		, Orgar	nization	, or Agency Sent	To:			
	17. County / Par Stanislaus	rish / Bor	rough:				18. C Plea :	ity: santon		
19. Unit or Other: 20.	Incident Jurisd	liction:	21. Incident CA-SCU	Locati	on Owr	nership (if differe	ent tha	n jurisdiction):		
22. Latitude/Longitude: Latitude: 37° 24' 30" Longitude: 121° 26' 7" 23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate: y-Coordinate: 1/4 Sec: of 1/4 Sec:										
25. Short Location or Ar Multiple locations ac				or a re	ference	e point):	Z	5. UTM Coordinates: Zone: Easting: Northing:		
27. Note any geospatial https://ftp.nifc.gov/SCU-005740_SCU_Li	public/incide ghtning_Com	nt_spec plex/	cific_data/ca	alif_n/	!CALF	IRE/!2020_Ind				

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):

Moderate

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Flanking Backing

Creeping

Narrative:

Night time firing operation was very successful. Fires ignited from the firing operations continue to burn out deep interior islands as they tie together. Rollout continues to cause minor slop-overs which have been picked up quickly. Deep seated heat in stump holes and dozer piles are being worked by ground resources.

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 inspection 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 two branches, Branch I and II. 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.

Highways Closed:

Hwy 130

Roadways Closed:

Mines Road at DelValle Road. DelValle residents only.

Mine Road at Santa Clara County Line
The intersection of Mines Road, Del Puerto
Canyon Road, and San Antonio Valley Road. No
Traffic north or south (west) from intersection.
Quimby Road at Mount Hamilton Road. Hard
Closure.

Metcalf Road at San Felipe Road. No traffic south of the intersection.

E. Dunne Ave at Holiday. No traffic east of the intersection. Roop at Coyote Reservoir. No traffic north or east of intersection.

Canada at Jamieson Rd. No traffic north of the intersection.

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45
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75

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Bell Station, north of 152. No traffic north of 152.

Alameda County:

Planning for Potential for Evacuations for City of Livermore, City of Pleasanton, affecting, 90,000 of persons and roughly 32,663 structures.

Current orders for communities:

Current Warnings for communities: All of Mines Rd, South of the fire perimeter to County Line.

South of Tesla Rd.

Re population in Progress for: Sheridan Rd, Mill Creek.Mission Blvd, North of Corral Hollow,

Inside Ohlone Fire.

Potential Evacuations: 90,000

CONTRA COSTA COUNTY

Evacuations in progress: NONE
Evacuation Warnings: NONE
Evacuation Orders: NONE

SANTA CLARA COUNTY

Planning for Potential Evacuations:

Evacuations in Progress:

Current warnings: North of Coyote creek, East of

San Felipe Hills, rodeo flats.

Current Order:Henry Coe state park, Inside fire

perimeter, North of HWY 152

Current Re Population: Calaveras Valley, Poverty

Ridge East, Joseph Grant Park north.

Potential Evacuations: 7203

SAN BENITO COUNTY

Evacuations in progress: NONE.

Current warnings: NONE.
Current Order: None.

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: Inside Fire perimeter.

Currents orders:

Current Re Population: North of fire perimeter.

Potential Evacuations: 117

STANISLAUS COUNTY

Re-population in progress for communities

affecting 10 of persons.

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Current warnings: None Current Orders: Inside the Fire Perimeter	
MERCED COUNTY Current warnings: None at this time. Current Orders for Communities: None at this time.	
FOR MORE SPECFIC DETAILS ON EVACUATIONS PLEASE SEE: https://www.fire.ca.gov/incidents/2020/8/18/ scu-lightning-complex/	

31. Public Status Summary:			32. Responder Status Summary:							
C. Indicate the Number of <u>Civi</u>	l <u>ians</u> (Pub	blic) Below.	C. Indicate the Number of Responders 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	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	4,623	-600	4,023	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	o		0	M. In Quarantine	0		0			
N. Total # Civilians (Public) Affected:	4,625	-600	4,025	N. Total # Responders Affected:	3	0	3			

33. Life, Safety, and Health Status/Threat Remarks: Heavy fire activity in the region is straining resource availability and	34. Life, Safety, and Health Threat Management:					
has presented a challenge to fire control. Critically low fuel		Active?				
moistures and steep terrain will continue to contribute to extreme fire behavior. COVID-19 precautions continue to be a high priority	A. No Likely Threat					
for all personnel.	B. Potential Future Threat	X				
35. Weather Concerns (synopsis of current and predicted weather; discuss	C. Mass Notifications in Progress	x				
related factors that may cause concern):	D. Mass Notifications Completed					
Inversion layer was around 1800 feet with warm and dry conditions	E. No Evacuation(s) Imminent	200 Million (1990)				
in the hills above. Overnight lows in the 70s with some 60s lower	F. Planning for Evacuation	***************************************				
slopes. Humidity recovery remained poor to moderate with steady readings from 25-35% overnight and a few values from 15-25%	G. Planning for Shelter-in-Place	***************************************				

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just before sunrise. Winds remained light overnight. Forecast concerns for today will be warming and drying trend as highs in the 90s return to Branch I with mid 80s for Div T and O where extensive mop-up and holding will continue as humidity values remain dry. The long range forecast calls for hot and dry weather this week and through the Labor Day weekend.

	Active?
H. Evacuation(s) in Progress	
I. Shelter-in-Place in Progress	
J. Repopulation in Progress	X
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	х

- 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:
- Winds and night time humidity drops will continue to test the control lines. Hot material will still have the chance of crossing into the green.
- 24 hours: Increased hot and dry conditions will to produce smoldering conditions that will keep burning material extremely hot and allow for ignition if embers cross the control lines.
- Hot and dry conditions continue across the complex zones and region. New starts (or rollout and equipment use) will create significant fire spread quickly.
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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.

Canyon Zone and Calaveras Zone Keep the fire North of HWY 152 Keep the fire West of I-5 Keep the fire South of I 580 Keep the fire East of I-680 and Hwy 101

Deer Zone

Keep individual fires within current perimeters

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.

12 hours: Threats to Life and Property: San Antone, San Jose, Milpitas, San Jose. Roughly 30,000 structures at risk and 80,000 people potentially evacuated.

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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 Natural Resources:
- Ohlone Regional Preserve
- 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: Estimated at 107 million per Ag Commissioner.

- Commercial grazing, agriculture
- Vinevards
- 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 Natural Resources:

- 48 hours: Ohlone Regional Preserve
 - Henry Coe State Park

Threats to Endangered Resources:

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Threats to Natural Resources:

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72 hours: - Red Legged frog,

- - Coastal Horned lizard
 - Western Pond turtle
 - California Tiger Salamander
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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: 16 HEQB, 05 Fire Repair Specialist (forester I & II), 2 MAST, 2 EXC 2 GRD

24 hours: 16 HEQB, 05 Fire Repair Specialist (forester I & II), 2 MAST, 2 EXC 2 GRD

48 hours: 16 HEQB, 05 Fire Repair Specialist (forester I & II), 2 MAST, 2 EXC 2 GRD

72 hours: 16 HEQB, 05 Fire Repair Specialist (forester I & II), 2 MAST, 2 EXC 2 GRD

Anticipated after 72 hours:

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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 and using firing operations to control the fire. 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: 09/03/2020
- 44. Projected Significant Resource Demobilization Start Date:
- 45. Estimated Incident Costs to Date: \$47,333,660.00
- 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 100 65 384,053 9/3 \$46,927,295 DEER 100 100 3,104 8/23 \$406,365

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

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49. Resources (summarize resources by category, kind, and/or type; show # of resources on top ½ of box, show # of personnel associated with resource on bottom ½ of box):

48. Agency or Org		CR1	CR2	CRC	HEL1	HEL2	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	MCC	MKU	WTDS	50. Ovhd	51. Tot Pers
C9.1	Rsrc	0	0	0	0	0	0	6	24	0	2	0	0	0	2		
C&L	Pers	0	0	0	0	0	0	36	92	0	4	0	0	0	4	31	167
	Rsrc	0	0	3	0	0	0	0	0	0	0	0	0	0	0		
CA	Pers	0	0	31	0	0	0	0	0	0	0	0	0	0	0	1	32
CA-CDF	Rsrc	5	6	3	0	0	0	0	122	0	0	4	1	1	0		
CA-CDF	Pers	80	120	36	0	0	0	0	490	0	0	10	2	11	0	230	979
FS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
гэ	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ID	Rsrc	0	1	0	0	0	0	0	2	4	11	0	0	0	0		
ID	Pers	0	14	0	0	0	0	0	9	8	22	0	0	0	0	0	53
МТ	Rsrc	0	0	0	0	0	0	4	2	0	2	0	0	0	0		*********
176 1	Pers	0	0	0	0	0	0	22	11	0	8	0	0	0	0	0	41
OES	Rsrc	0	0	0	0	0	0	15	0	0	0	0	0	0	0	Action of the section	en manyonapanan mana
OES	Pers	0	0	0	0	0	0	45	0	0	0	0	0	0	0	36	81
PRI	Rsrc	0	5	0	4	1	4	0	0	0	0	20	0	0	33	***************************************	
PKI	Pers	0	100	0	10	4	10	0	0	0	0	37	0	0	67	108	336
TX	Rsrc	0	0	0	0	0	0	0	10	0	0	0	0	0	0		
17	Pers	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	44
WA	Rsrc	0	0	0	0	0	0	0	2	0	2	0	0	0	0		
AAW	Pers	0	0	0	0	0	0	0	6	0	34	0	0	0	0	0	40
52. Total Resources		5	12	6	4	1	4	25	162	4	17	24	1	1	35		1773

53. Additional Cooperating and Assisting Organizations Not Listed Above:

Alameda County FD / SO / Animal Services, Atwater City FD / City Manager, CA Dept of Water Resources, CA Dept of Corrections and Rehabilitation, Cal OES, CA Conservation Corps, CA Dept Parks & Recreation, CHP, San Jose City FD /PD, Contra Costa County FPD / SO / OES, DLA San Joaquin County FD, Dos Palos PD / City Manager, East Bay Regional Park, East Contra Costa FD, Fremont City FD / PD / Mayor, Gustine City PD / City Manager, Hollister/San Benito County FD, Livermore-Pleasanton FD / PD, Livingston City Manager, Los Banos FD / PD, Merced City FD, Merced County Fire / SO / Sheriff Animal Services / OES, Milpitas FD / PD, Morgan Hill PD, PG&E, Pleasanton PD, San Benito County SO, San Francisco Water Department, San Joaquin County SO, San Jose FD, San Jose Water Company, San Ramon Valley FD, Santa Clara County FD / SO / Animal Control / Parks, Santa Clara Valley Water District, SF Water Department, South San Joaquin County Fire Authority, Stanislaus County Consolidated FD / SO / OES, Tracy PD, Turlock Irrigation District