Incident: SCU Lightning Complex

1. Incident Name:	U LIGHTNING	COMPLEY		2.	Incident Number	r: SCU-005740
3. Report Version (check one box): Initial X Update Final		ommander(s) & Ager	ncy or		dent Managemer ization: Type 1 Team	
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 274968 Acres	8a. Percent (%) Contained or Completed: 10 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %	9. Incident Type: Wildfire B. Incident Descripti C. Cause: Unknown D. Fire Suppression Strategy Monitor Confine Point Zone Protection Full Suppression	Strate	jy: nt (%)		11. Report Time Period: From Date/Time: 08/21/2020 0600 PDT To Date/Time: 08/21/2020 1700 PDT
12. Prepared By: Print Name: Roy Broo r Date/Time Prepared: 08 PDT		13. Approved Print Name: 1 Signature:	•	Martin	(DPIC)	
14. Date/Time Submitte 08/21/2020 1741 F		15. Primary Location North Ops	, Orgar	nization	, or Agency Sent	: То:
	.7. County / Pari C ontra Costa	sh / Borough:			,	18. City: Pleasanton
19. Unit or Other: 20.	Incident Jurisdi	ction: 21. Incident CA-SCU	Locati	on Owr	nership (if differe	ent than jurisdiction):
22. Latitude/Longitude: Latitude: 37º 52' 55 Longitude: 121º 46'	" (8. US National Grid Re Grid Zone: c-Coordinate: y-Coordinate:	eferenc	e:	Principal Townshi	Description: Meridian: p: Range: Section: of 1/4 Sec:
25. Short Location or Ar Multiple locations ac			or a re	ference	e point):	26. UTM Coordinates: Zone: Easting: Northing:
27. Note any geospatial https://ftp.nifc.gov/ SCU-005740_SCU_Li	public/inciden	t_specific_data/ca				
28. Observed Fire Beha terminology. For non-fir Extreme Uphill Runs						e behavior using accepted ther causal agents):

Incident: SCU Lightning Complex

Running

Long-range Spotting

Narrative

Fire continues to burn in steep inaccessible terrain. Visibility on the Calaveras and Canyon zone is greatly diminished due to smoke from these and all the other fires in the area. Fire weakened timber continues to release and block the roadways, as well as producing rollout into the steep drainages.

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, there are approximately 20 separate fires within the complex. The complex is broken into three zones; Canyon, Calaveras, and Deer. There is approximately 20000 structures 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, Del Puerto Canyon Rd, Diablo Grande Parkway

EVACUATION ORDERS:

ALAMEDA/STANISLAUS COUNTY

Frank Raines Park to Mines Road Del Puerto
Canyon Road 1 mile to Mines Road

SANTA CLARA COUNTY:

East of San Jose City limits South of Mt. Hamilton Rd. North of Metcalf Rd. & San Felipe Rd., East to the County Line East of San Antonio Valley Rd. to Del Puerto Canyon Rd. to the County Line South of Stanislaus County Between Santa Clara County Line and I-5 West of I-5 North of Stanislaus/Merced County Line North of Stanislaus/Merced County Line East of Santa Clara County Line, East if Ed Levine County Park, Felter Rd., Sierra Rd., Toyon Ave., and Mt.

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	20,000	0	5
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	5

Incident: SCU Lightning Complex

Hamilton Rd. to Three Springs Rd. North of Hwy 130 to Santa Clara County Line West of San Antonio Valley Rd. West of Mines Rd. to Santa Clara County Line East of 3 Springs Rd. and Mt. Hamilton Rd. South of Santa Clara County Line North of Mt. Hamilton Rd. to Three Springs Rd. South of Santa Clara County Line West of the Fire Perimeter East of Ferguson Rd. East and North of Hwy 152 West of Merced County Line North of Hwy 152 South of Metcalf Rd at Shingle Valley Rd. East to the Stanislaus County line East of Shingle Valley Rd. and everything East of Anderson Lake, East of Covote Creek, East of Coyote Reservoir, East of Roop Rd., East of Leavesley Rd., East of Crews Rd., East of Ferguson Road. East and North of Hwy 152 West of Merced County Line, North of Hwy 152 South of Metcalf Road at Shingle Valley Road, East to the Stanislaus County Line **ALAMEDA COUNTY:**

All of Mines Road, south of Mile Marker 10 to the County line

EVACUATION WARNINGS SAN JOAOUIN COUNTY:

South of West Corral Hollow Road to Stanislaus County line West of I-580 to Alameda County line East of Alameda County line to I-580 and the Stanislaus County lineAll of PAR Estates which are the following streets: W. Vernalis Road, Bernard Drive, Stearman Road, Brichetto Court, Stearman Court, S Chrisman Road south of I-580, and the Tracy Golf & Country Club North of West Corral Hollow Road to I-580 East of the Alameda County line to I-580

STANISLAUS COUNTY:

Diablo Grande Parkway and the Diablo Grande Community

ALAMEDA COUNTY:

City of Fremont - Mill Creek Road

SANTA CLARA COUNTY:

South of Metcalf Rd. East of Coyote Creek to the Anderson Lake Shore, East of Chochrane Rd., East of Hill Rd. and South of Main Ave., North of Maple Ave., East of Foothill Ave, North of San Martin Ave, East of New Ave. West of Shingle Valley Rd. and everything West of Anderson Lake, West of Coyote Creek, West of Coyote Reservoir, North and West of Roop Rd. between Coyote Reservoir Rd. and New Ave. East of Lovers Lane and the Santa Clara County South of Hwy 152 to the San Benito County line West to

Incident: SCU Lightning Complex

the Merced County Line North of San Benito	
County Line to Hwy 152	

31. Public Status Summary:				32. Responder Status Summary:			
C. Indicate the Number of <u>Civil</u>	l <u>ians</u> (Pub	olic) Below.	,	C. Indicate the Number of <u>Res</u>	<u>ponders</u> E	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	2	0	2
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	7,203	100	6,303	H. Evacuated	o		0
I. Sheltering in Place	0		0	I. Sheltering in Place	О		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	О		0	M. In Quarantine	O		o
N. Total # Civilians (Public) Affected:	7,205	100	6,305	N. Total # Responders Affected:	2	0	2

33.	Life,	Safety,	and	Health	Status/	Threat	Remarks:

Very limited resources assigned to the incident, Steep terrain, and the continued hot, dry and windy conditions will be a concern for fireline personnel. Critically low fuel moistures will continue to contribute to extreme fire behavior. COVID-19 precautions continue to be a high priority for all personnel.

35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):

Discussion: The marine layer came inland this morning allowing for cooler temperatures and higher humidity to start the day. By afternoon temperatures warmed back into the mid 80s to lower 90s for the active fire areas with humidity values 22-32%. Westerly winds allowed for some clearing as the inversion broke over the Calaveras Zone this afternoon. No big weather changes forecast tonight into Saturday. A Fire Weather Watch has been posted beginning Sunday for the threat of Dry Lightning and strong outflow winds.

Deer Zone; Temp: 90-95 RH: 25-30%

Winds: Westerly 10-15 mph gusts 20 mph

Calaveras Zone: Temp: 82-90

	34. Life, Safety, and Health Thre Management:	eat
		Active?
2	A. No Likely Threat	
-	B. Potential Future Threat	X
	C. Mass Notifications in Progress	X
	D. Mass Notifications Completed	
1	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	
۲	K. Mass Immunization in Progress	
	L. Mass Immunization Complete	
	M. Quarantine in Progress	
	N. Area Restriction in Effect	x
	O. Road Closure	х
	P. Trail Closure	X
	Q. Area Closure	X

Incident: SCU Lightning Complex

RH: 25-35%

Winds: Westerly 5-10 mph gusts 15 mph

Canyon Zone:

Temp: 88-94 with smoky skies

RH: 20-28%

Winds: West to Northwest 5-10 mph gusts 15 mph

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:

The fires perimeter is expected to grow when in alignment with topography and the wind and move into more urban areas. Hot and dry conditions have brought fuels to a critical level, which will cause rapid fire growth continued with long range spotting. The fires area expected to merge by tomorrow morning if not sooner.

A Fire Weather Watch has been posted beginning Sunday for the threat of Dry Lightning and strong outflow winds.

24 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.

A Fire Weather Watch has been posted beginning Sunday for the threat of Dry Lightning and strong outflow winds.

48 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.

A Fire Weather Watch has been posted beginning Sunday for the threat of Dry Lightning and strong outflow winds.

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.

Anticipated after 72 hours:

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

Currently the incident is using National Guard MQ9 To assist in operations 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 Corral Hollow Rd. 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,

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

Incident: SCU Lightning Complex

cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts:

threat to critical infrastructure of communications (repeaters) which service the San Jose Area, Pleasanton, Livermore, San Jose and Santa Clara ECC. PG&E has significant transmission assets (500kV, 230kV & 115kV lines) in the Calaveras and Canyon fire footprints as well as two sub stations that provide power to 11 other states. These are significant transmission and sub stations that serve northern and central California, including the Bay Area and western portion of the United States. These lines are critical to help maintain the stability of the electrical grid. The fire is currently threatening Lawrence Livermore Lab and Standford Research Institute. Threat to entire Diablo grande, Del Puerto, and San Antone communities totaling roughly 350 12 hours: homes, Culture assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, Upper Cottonwood creek wildlife area and Henry Coe State Park as well as prehistoric culture sites Like the summer campsite of the Ohlone Indians. Rements of these structures dating back to 1700s as well as their grinding pedestals. Additionally threatened, a local barn dating back into the mid 1800s. Threats exist to amphibious animals such as the red legged frog, coastal horned lizard, western pond turtle, California tiger salamander, central California roach, Alameda whip snake and other listed amphibians and Tule elk. Threaten historical sites include: Commercial vineyards, olives, grazing, and Almonds is currently threatened.

Communities at risk: Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Gilroy, Morgan Hill, San Martin, Fremont

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Incident: SCU Lightning Complex

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Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Communities at risk: Gilroy, Morgan Hill, San Martin, Fremont

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Communities at risk: Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Gilroy, Morgan Hill, San Martin, Fremont

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:

Commercial vineyards, olives, grazing, and Almonds is currently threatened.

- 17 Type 3 Strike Teams 02 Type 02 Strikes Team 06 Type 1 Strike Teams 12 hours: 17 Type 3 Strike Teams 32 Type 2 IA Handcrews 6 Single Type 3 Engines
- 17 Type 3 Strike Teams 02 Type 02 Strikes Team 06 Type 1 Strike Teams 24 hours:
- 12 Single Dozers 4 Div 29 Type 2 IA Handcrews 6 Single Type 3 Engines
- 17 Type 3 Strike Teams 02 Type 02 Strikes Team 06 Type 1 Strike Teams 48 hours: 12 Single Dozers 4 Div 29 Type 2 IA Handcrews 6 Single Type 3 Engines
- 17 Type 3 Strike Teams 02 Type 02 Strikes Team 06 Type 1 Strike Teams 72 hours:
- 12 Single Dozers 4 Div 29 Type 2 IA Handcrews 6 Single Type 3 Engines

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.

33 7:23:05 PM Aug 22, 2020

Incident: SCU Lightning Complex

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 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. Midegate ongoing structure threat, 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: 09/08/2020
- 44. Projected Significant Resource Demobilization Start Date:
- 45. Estimated Incident Costs to Date: \$8,737,426.00
- 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 submitted on 8-20 for Alameda, Santa Clara, Stanislaus, San Joaquin, Merced, and San Benito counties.

FIRE	STRATEGY	/ ACRES	CONTAINMENT
FIRE MARSH CANYON RESERVOI DEER ARROYO	100	3,000	9/8
CANYON	100	199866	9/8
RESERVOI	R 100	71619	9/8
DEER :	100	3,294	8/22
ARROYO	100	189	8/22

Evacuation Centers:

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

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):

Incident: SCU Lightning Complex

48. Agency or Org		CR1	CR2	CRC	HEL1	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	MCC	MKU	WTDS	50. Ovhd	51. Tot Pers
C&L	Rsrc	0	0	0	0	0	0	17	0	0	2	0	0	2		
CQL	Pers	0	0	0	0	0	0	60	0	0	4	0	0	4	28	96
C1	Rsrc	0	0	3	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	1	32
CA CDF	Rsrc	11	0	3	0	0	0	49	0	0	13	1	1	0		
CA-CDF	Pers	220	0	36	0	0	0	197	0	0	26	2	11	0	49	541
F0	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
FS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rsrc	0	1	0	0	0	0	2	4	11	0	0	0	0		
ID	Pers	0	14	0	0	0	0	9	8	22	0	0	0	0	0	53
050	Rsrc	0	0	0	0	0	35	0	0	0	0	0	0	0		······································
OES	Pers	0	0	0	0	0	140	0	0	0	0	0	0	0	1	141
	Rsrc	0	5	0	3	1	0	0	0	0	15	0	0	35		
PRI	Pers	0	100	0	6	2	0	0	0	0	30	0	0	70	108	316
52. Total Resources		11	6	6	3	1	35	68	4	11	30	1	1	37		1179

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, Merced County S.O, San Martine P.D, San Martine F.D, Fremont P.D, Fremont F.D, San Jose P.D, San Jose P.D, San Jose P.D, San Jose F.D, Milpitas F.D., Gilroy P.D, Gilroy F.D, Morgan Hill PD, Morgan Hill F.D, Stanislaus County Fire Dept, Stanislaus OES, TID Power, Contra Costa OES, Santa Clara OES and National Guard.