

## Incident Status Summary (ICS-209)

Incident: **2023 SRF Lightning Complex**

1. Incident Name: <b>2023 SRF Lightning Complex</b>		2. Incident Number: <b>CA-SRF-000986</b>											
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Mark Giacoletto, Deputy IC</b>	5. Incident Management Organization: <b>CIMT</b>	6. Incident Start Date/Time: Date: <b>08/17/2023</b> Time: <b>1002 PDT</b>										
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>17802.81 Acres</b>	8a. Percent (%) Contained or Completed: <b>21 %</b>  b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>	9. Incident Type: <b>Complex</b> B. Incident Description: C. Cause: 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><b>Monitor</b></td> <td></td> </tr> <tr> <td><b>Confine</b></td> <td></td> </tr> <tr> <td><b>Point Zone Protection</b></td> <td></td> </tr> <tr> <td><b>Full Suppression</b></td> <td></td> </tr> </tbody> </table>	Strategy	Percent (%)	<b>Monitor</b>		<b>Confine</b>		<b>Point Zone Protection</b>		<b>Full Suppression</b>		10. Incident Complexity Level: Single <input checked="" type="checkbox"/> Complex
Strategy	Percent (%)												
<b>Monitor</b>													
<b>Confine</b>													
<b>Point Zone Protection</b>													
<b>Full Suppression</b>													
		11. Report Time Period: From Date/Time: <b>09/06/2023 0600 PDT</b> To Date/Time: <b>09/06/2023 1600 PDT</b>											
12. Prepared By: Print Name: <b>Joshua Bivans</b> Date/Time Prepared: <b>09/06/2023 1700 PDT</b>		13. Approved By: Print Name: <b>Mark Giacoletto, Deputy IC</b> Signature: _____											
14. Date/Time Submitted: <b>09/06/2023 1708 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>CA-ONCC</b>											
16. State: <b>CA</b>	17. County / Parish / Borough: <b>Humboldt</b>	18. City:											
19. Unit or Other:	20. Incident Jurisdiction: <b>CA-SRF</b>	21. Incident Location Ownership (if different than jurisdiction):											
22. Latitude/Longitude: Latitude: <b>41° 22' 12"</b> Longitude: <b>123° 37' 51"</b>	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): <b>Lower Trinity and Orleans District</b>		26. UTM Coordinates: Zone:      Easting: Northing:											
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/calif_n/!2023_Federal_Incidents/CA-SRF-986_SRF_Lightning_Complex/">https://ftp.wildfire.gov/public/incident_specific_data/calif_n/!2023_Federal_Incidents/CA-SRF-986_SRF_Lightning_Complex/</a></b>													
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):  <b>Moderate</b> <b>Creeping</b> <b>Backing</b> <b>Smoldering</b>  Narrative:													

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**Pearch- Firefighters continue to mop up and improve fire lines.**

**Lost, Bridge Ridge, Hog, Devil and Glen- Firefighters continue to mop up and monitor control lines. Suppression repair group continues to assess repair needs.**

**Lone Pine, Big Hill- Fire continues in patrol status, being checked by firefighters as needed.**

**The following fires as in patrol status: Creek, Flat and Iron. These Fires will continue to be patrolled by air.**

**Monument, Merril, Let er-Buck- Due to difficult terrain, these fires are being monitored daily.**

**Bluff#1, Mosquito, Bigfoot, Blue Creek, Marlow and Copper- Firefighters continue to construct and prep indirect fire line around the fires with a mixture of dozer, masticators, crews and chipping.**

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

**Timber (Grass and Understory)  
Brush (2 feet)  
Hardwood Litter**

Narrative:

**The primary carrier of fire at lower elevations is timber litter with heavy dead and down component. Upper elevations are a timber under-story dominated by brush and conifer litter beneath conifer over-story. Overall, these fuel models are well represented by fuel model 165 (very High Load, Dry Climate Timber-Shrub). Fuels to the west become more open and grassy on upper slopes, with heavier conifer component in drainages.**

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):

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	<b>633</b>	<b>0</b>	<b>0</b>
F. Multiple Residences	<b>0</b>	<b>0</b>	<b>0</b>
G. Mixed Commercial / Residential	<b>44</b>	<b>0</b>	<b>0</b>
H. Nonresidential Commercial Property	<b>212</b>	<b>0</b>	<b>0</b>
I. Other Minor Structures	<b>716</b>	<b>0</b>	<b>0</b>

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	<b>0</b>	<b>0</b>	<b>0</b>
E. With Injuries/Illness	<b>0</b>	<b>0</b>	<b>0</b>
F. Trapped/In Need of Rescue	<b>0</b>	<b>0</b>	<b>0</b>
G. Missing	<b>0</b>	<b>0</b>	<b>0</b>
H. Evacuated	<b>0</b>	<b>0</b>	<b>0</b>
I. Sheltering in Place	<b>0</b>	<b>0</b>	<b>0</b>
J. In Temporary Shelters	<b>0</b>	<b>0</b>	<b>0</b>
K. Have Received Mass Immunizations	<b>0</b>	<b>0</b>	<b>0</b>
L. Require Immunizations	<b>0</b>	<b>0</b>	<b>0</b>

32. Responder Status Summary:

*C. Indicate the Number of Responders Below:*

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	<b>0</b>	<b>0</b>	<b>0</b>
E. With Injuries/Illness	<b>53</b>	<b>0</b>	<b>53</b>
F. Trapped/In Need of Rescue	<b>0</b>	<b>0</b>	<b>0</b>
G. Missing	<b>0</b>	<b>0</b>	<b>0</b>
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	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
M. In Quarantine	0		0	M. In Quarantine	0		0
<b>N. Total # Civilians (Public) Affected:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N. Total # Responders Affected:</b>	<b>53</b>	<b>0</b>	<b>53</b>

<p>33. Life, Safety, and Health Status/Threat Remarks:  <b>Exposure to responders includes steep inaccessible terrain, moderate fire behavior, rolling material, hazardous trees and snags, hot, dry and unstable conditions, poison oak, elevated temperatures, difficult road conditions and long duration travel. Smoke will continue to affect the health of firefighters and the public as inversions hold smoke through the night. Long drive times combined with steep dirt roads and smoke inversions could delay emergency transport or evacuation.</b></p> <p><b>Evacuation Warnings for Humboldt County</b>  <b>Zone HUM-E009:</b>  <b>243 Residents</b>  <b>164 Structures</b></p> <p><b>Evacuation Order for Siskiyou County</b>  <b>SIS-1402</b>  <b>Evacuation Warning</b></p> <p><b>SIS-1515</b>  <b>SIS-1518</b></p> <p><b>Evacuations set to Normal:</b>  <b>SIS-1701</b>  <b>Zone HUM-E008-B</b></p> <p><b>Six Rivers National Forest</b>  <b>Forest Closure Area for Orleans Ranger District</b>  <b>Forest Order 10-23-07</b></p> <hr/> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):  <b>Weather Concerns for the 2023 Six Rivers Lightning Complex (synopsis of current and predicted weather; discuss related factors that may cause concern):</b>  <b>Sunny skies today with a continued warming and drying trend across the fire. High temperatures warmed into the upper 80s for the river valleys with 70s for the ridges. Afternoon humidity lowered to 20% valleys to around 40% upper slopes. Afternoon southwest winds gusts to 22 mph were observed with light valley winds. Good humidity recovery is forecast tonight for the lower slopes with moderate humidity recovery mid and upper slopes as overnight lows drop back into the 50s.</b>  <b>Forecast for Thursday-Friday, 9/07-9/08</b>  <b>Continued seasonably warm and dry through the end of the week and into the weekend. Daytime highs upper 70s ridges to around 90 valley bottoms. Afternoon humidity values lowering 20% valleys with 30-40% ridges. Good nighttime recovery in the valleys but only moderate recovery of 40-60% for the upper slopes. Winds remain westerly on the ridges but light in the valleys. No rain in the forecast through the</b></p>	<p>34. Life, Safety, and Health Threat Management:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 85%;"></th> <th style="width: 15%;">Active?</th> </tr> </thead> <tbody> <tr><td>A. No Likely Threat</td><td></td></tr> <tr><td>B. Potential Future Threat</td><td></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></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></td></tr> <tr><td>O. Road Closure</td><td></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		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		K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect		O. Road Closure		P. Trail Closure	X	Q. Area Closure	X
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<b>weekend as high pressure continues to build at least through early next week. Long range trends suggest seasonably warm and dry weather continues mid-month and beyond.</b>	
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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: **Moderate fire behavior including smoldering, creeping, perimeter has pockets of heat in heavy fuels with some areas of localized backing during peak burn period. Unchecked perimeter will see slow growth, with backing continue to spread upslope and up drainage with moderate fire behavior and low to moderate rates of spread.**

24 hours: **Minimal fire activity within and along uncontained fire perimeters, with pockets of moderate fire behavior including smoldering, creeping, flanking, backing, particularly in drainages and ridges with moderate fire behavior and low to moderate rates of spread.**

48 hours:

72 hours:

Anticipated after 72 hours:

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

### **Strategic Framework**

**Confine, contain, or control all fires utilizing a full suppression strategy. Values at risk include human safety, private timberlands, communities, cultural, critical infrastructure, and associated improvements. Apply tactics that offer the highest probability of success.**

### **Leaders Intent**

**Provide the highest level of customer service to all involved with or impacted. Ensure transparent, timely and accurate communication at all levels of the incident and strengthen relationships with cooperators. All incident assigned personnel should be prepared to take appropriate actions regarding:**

**Personal safety and the safety of others, including driving slowly and defensively.**

**Manage fatigue by taking breaks and maintaining work/rest cycles.**

**Minimize risk and limit exposure to infectious disease by implementing Center of Disease Control, California Department of Public Health, and agency guidelines.**

**Professional behavior, and timely/effective communication.**

### **Management Objectives**

**Prior to engagement, stop and discuss strategies and tactics to ensure sound risk management principles are in place to provide for firefighter and public safety.**

**Implement fire suppression activities in accordance with Incident Resource Advisors.**

**Minimize impacts to cultural, resources, infrastructure, and private property inholdings.**

### **Control Objectives**

**Keep Fires within the Six Rivers National Forest:**

**Within remote National Forest areas to protect heritage, cultural, natural resources.**

**Away from private lands, Hoopa, Orleans, and Hwy 96 to protect the communities along the Klamath River corridor and private lands.**

**Keep Fires within the Redwood National Park:**

**As small as possible and within park lands to protect old growth redwoods, private timber land and cultural values.**

38. Current Incident Threat Summary and Risk Information in 12-, 24-, 48-, and 72-hour timeframes and beyond. Summarize

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	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:	<b>The threat to State, Private, and Tribal lands, communities of Orleans, Hoopa Valley Reservation, Timber Lands, old growth redwoods. Prehistoric and historic native American archaeological sites, areas of natural landscape which have traditional cultural significance. Klamath River watershed and critical salmonid habitat. Populations of and habitat for threatened and endangered wildlife species. Fire continues to burn down through organic material, rocks and other rolling material will continue to increase safety concerns for firefighters and public. Critical power/communication infrastructure, and local utilities, California State Route 96, if impacted would result in a significant economic impact to the local community and region.</b>
24 hours:	<b>The threat to State, Private, and Tribal lands, communities of Orleans, Hoopa Valley Reservation, Timber Lands, old growth redwoods. Prehistoric and historic native American archaeological sites, areas of natural landscape which have traditional cultural significance. Klamath River watershed and critical salmonid habitat. Populations of and habitat for threatened and endangered wildlife species. Fire continues to burn down through organic material, rocks and other rolling material will continue to increase safety concerns for firefighters and public. Critical power/communication infrastructure, and local utilities, California State Route 96, if impacted would result in a significant economic impact to the local community and region.</b>
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72 hours:	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:	<b>None</b>
24 hours:	<b>None</b>
48 hours:	
72 hours:	
Anticipated after 72 hours:	
40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:	
<ol style="list-style-type: none"> <li>1) critical resource needs identified above,</li> <li>2) the Incident Action Plan and management objectives and targets,</li> <li>3) anticipated results.</li> </ol>	
Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.	
<b>Resources continue construct control lines where possible, critical resource need has limited construction efforts to secure and strengthen them, fire is threatening Orleans community, Hoopa Valley Reservation, the Six Rivers National Forest, Green Diamond Timber, private lands to the east and west. Threats to the drinking water and river health remain. Fire effects continue to be moderate. Limited areas of group torching and small to moderate runs have been observed where slope and fuels align. Steep rugged terrain creates safety concerns for firefighters during day and night shifts.</b>	
<b>Utilize Resource Advisors to minimize damage to natural and cultural resources, encouraging implementation of Minimum Impact Suppression Tactics (MIST).</b>	
<b>For the Devil, Glen fires, primary objective is to keep these as small as possible and within park lands, while providing for the safety of firefighters and the public. Focus firefighting resources on those locations with the</b>	

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**highest probability of success, least exposure to firefighters, and minimal negative impacts to park resources and values. The course of action is to utilize direct and indirect tactics to keep the Lost, Devil, and Glen fires as small as possible, while minimizing risk to first responders.**

**Lost Fire: A combination of direct and indirect tactics will be utilized to contain the Lost Fire west of the park boundary and Holter Ridge Road, south of the Geneva Road, and northeast of Lost Ridge. Smaller compartments and fireline options are still being assessed for viability. Preference would be to contain the fire between the mainstem and middle forks of Lost Man Creek and Holter Ridge, to the smallest possible size with Cal Fire assisting.**

41. Planned Actions for Next Operational Period:

**Incident will continue to provide for public safety by protecting property, critical infrastructure, power transmission lines, community water supplies, State and County roadways. Keep cooperators informed on status of the fire. Minimize damage natural and cultural resources and infrastructural values. Crews and engines will continue to contain the fire's edge as conditions allow with direct line and indirect line construction. Crews will continue to implement structure protection plans as needed and mop up as needed. Continue to support the implementation of the WFDSS decision developed by the Six Rivers National Forest to protect the highlighted values. Working with tribal liaisons and READs to minimize impacts to cultural and natural resources.**

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

43. Anticipated Incident Containment or Completion Date: **09/30/2023**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$45,130,729.00**

46. Projected Final Incident Cost Estimate:

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

**09/03/2023 NIROPS and Incident Awareness and Assessment (IAA) aircraft have been ordered to the SRF Lightning Complex daily.**

Incident Name	Suppression Strategy	Area	Area Measure	% Ctn/Comp	% Ctn/Comp Measure	Est. Cost to Date	Est. Comp Date	Perimeter
Bigfoot		1	Acres	100	Percent			
Blue Creek		0.1	Acres	100	Percent			
Blue Creek 2		3,132	Acres	0	Percent			
Bluff #1		2,049	Acres	26	Percent			
Bridge Ridge		17	Acres	100	Percent			
Copper		809	Acres	0	Percent			
Creek		8	Acres	100	Percent			
Devil		12.4	Acres	100	Percent			
Flat		2.4	Acres	100	Percent			
Glen		0.5	Acres	0	Percent			
Hog		0.01	Acres		Percent			
IRON		20	Acres	100	Percent			0
Let er-Buck		75	Acres	0	Percent			
Lone Pine		1,685	Acres	89	Percent	45,130,729	09/30/2023	100
Lost		740.4	Acres	68	Percent			
Marlow		1,542	Acres	0	Percent			0
Merrill		2	Acres		Percent			
Monument		2	Acres	0	Percent			
Mosquito		2,575	Acres	24	Percent			
Pearch		5,130	Acres	8	Percent			

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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	CRC	HEL1	HEL2	HEL3	ENG1	ENG3	ENG4	ENG5	ENG6	DOZR	WTDT	WTDS	MAST	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0		
	Pers	0	0	0	11	0	0	0	0	9	0	0	0	0	0	0	0	9	29
<b>BLM</b>	Rsrc	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	5	0	0	0	0	0	0	20	45
<b>FS</b>	Rsrc	3	0	2	0	0	0	0	0	1	0	0	2	0	1	0	0		
	Pers	40	0	37	0	0	0	0	0	5	0	0	12	0	2	0	0	106	202
<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	5	8
<b>NPS</b>	Rsrc	0	0	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	0	0	19	19
<b>NWS</b>	Rsrc	0	0	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	0	0	1	1
<b>PRI</b>	Rsrc	0	9	1	0	2	2	1	0	13	6	6	23	11	6	21	23		
	Pers	0	180	19	0	0	0	0	0	30	17	18	66	23	10	18	45	33	459
<b>ST</b>	Rsrc	2	1	0	3	0	0	0	2	14	0	2	8	1	1	0	1		
	Pers	40	20	0	45	0	0	0	6	65	0	8	23	2	2	0	2	121	334
<b>52. Total Resources</b>		5	10	4	4	2	2	1	2	30	7	8	34	12	8	21	24		1097

53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Pacific Gas and Electric, Sierra Pacific Industries, Karuk Tribe Natural Resources Department, Yurok Fire Department, Yurok Tribe Natural Resources Department, Hoopa Fire Department, Hoopa Valley Tribal Police Department, Green Diamond Resource Company, Cal Fire, California State Parks, California Conservation Corps, as well as community groups.**