

Incident Status Summary (ICS-209)

Incident: **SALMON AUGUST COMPLEX**

1. Incident Name: SALMON AUGUST COMPLEX		2. Incident Number: CA-KNF-006081										
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: Kelly Zombro, SoCal Team 2 (IMT2) Ron Bravo, CALFIRE	5. Incident Management Organization: Type 2 Team <input checked="" type="checkbox"/> Unified Command	6. Incident Start Date/Time: Date: 08/13/2017 Time: 1938 PDT									
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 65117 Acres	8a. Percent (%) Contained or Completed: 14 %	9. Incident Type: Complex B. Incident Description: Multiple fires in wilderness C. Cause: Unknown D. Fire Suppression Strategy:	10. Incident Complexity Level: Single <input checked="" type="checkbox"/> Complex	11. Report Time Period: From Date/Time: 09/06/2017 1615 PDT To Date/Time: 09/06/2017 1700 PDT								
	8b. Total Percentage (%) of Perimeter that will be Contained or Completed: 60 %		<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></td> </tr> </tbody> </table>		Strategy	Percent (%)	Monitor		Confine		Point Zone Protection	
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12. Prepared By: Print Name: Kyle Hauducoeur Date/Time Prepared: 09/06/2017 0500 PDT		13. Approved By: Print Name: Kelly Zombro / Nickie Washington Signature: _____										
14. Date/Time Submitted: 09/06/2017 1753 PDT		15. Primary Location, Organization, or Agency Sent To: ONC GACC										
16. State: CA	17. County / Parish / Borough: Siskiyou		18. City: Etna									
19. Unit or Other:	20. Incident Jurisdiction:	21. Incident Location Ownership (if different than jurisdiction): CA-KNF										
22. Latitude/Longitude: Latitude: 41° 15' 48" Longitude: 123° 5' 56"	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:		24. Legal Description: Principal Meridian: Mt. Diablo Township: 39N Range: 11W Section: 3 1/4 Sec: of 1/4 Sec:									
25. Short Location or Area Description (list all affected areas or a reference point): Marble Mountain Wilderness and Klamath NF side of the Trinity Alps Wilderness			26. UTM Coordinates: Zone: Easting: Northing:									
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): http://ftp.nifc.gov/incident_specific_data/calif_n/!2017_20FEDERAL_Incidents/CA-												

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**KNF-006081_Salmon_August_Complex/GIS/IncidentData/
FSPRO data at same location**

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
Wind Driven Runs
Running
Spotting**

Narrative:

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

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

Narrative:

This wilderness area has high tree mortality and fuels are primarily dense stringers of mixed conifers with heavy dead & down fuels and brush in open areas. Large down fuels can exceeds 200 tons/ac. with high numbers of standing snags. 2013 and 2014 burn perimeters have a receptive fuel bed of fine fuels.

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):

**Tom Taylor Cabin was destroyed, verified by aviation on 06 Sept 2017.
An area closure has been issued for the Salmon-August Complex Fire. To include the following trails: Pacific Crest, North Fork Salmon, Snowslide, English Peak, Hancock Lake, Upper Abbott's, Big Meadows Tie, Big Meadow Creek, Kidder Creek, Shackleford, Ethel, and Kidder along with the following trailheads: Creek, Pacific Crest Etna Summit and Mule Bridge. Level 2 road closure from Etna summit to Nordheimer.**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	1,000	0	0
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	0	0	0
H. Nonresidential Commercial Property	25	0	0
I. Other Minor Structures	150	0	1

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	0
E. With Injuries/Illness	0	0	0
F. Trapped/In Need of Rescue	0	0	0
G. Missing	0	0	0
H. Evacuated	200	0	200

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	0
E. With Injuries/Illness	10	0	10
F. Trapped/In Need of Rescue	0	0	0
G. Missing	0	0	0
H. Evacuated	0	0	0

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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
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:	200	0	200	N. Total # Responders Affected:	10	0	10

<p>33. Life, Safety, and Health Status/Threat Remarks: Multiple thunderstorm cells have moved through the fire area, erratic outflow winds are challenging containment lines. Evacuation warnings could change quickly.</p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): Observed: Thunderstorms over the complex started the day with lightning, brief heavy rain and gusty winds. These storms quickly dissipated and gave way to a mix of sun and clouds. Temperatures were in the 80s to low 90s with relative humidities 25-35%. Winds for the most part were terrain driven and less than 10 mph. Ridges on the other hand were southwest 5 to 10 with gusts to 15 mph. A red flag warning remains in effect through Thursday.</p> <p>Forecasted: A Red Flag Warning is in effect tonight for abundant lightning. The best chance for thunderstorms will be over eastern areas of the complex. Temperatures will continue to cool with lows in the 50s and 60s. Humidity recoveries will be at least moderate to excellent for most locations.</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 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></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		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>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:</p>	<p>Red Flag Warning in effect through 11 pm Thursday for abundant lightning and dry fuels. Cooler temps with West winds throughout the shift will continue to spread the Wallow fire. Control lines will be challenged along Snoozer Ridge, Whiskey Butte and Patterson Creek along the East and Northeast of the fire. The fire has the potential to push toward Communications Towers on Etna Summit, into Etna Mill Creek, Western Scott Valley and the city of Etna. Northern fire spread will continue to push toward Wooley Creek. The fire will continue to move South into Forks of Salmon, threatening Little North Fork, Sawyers Bar, Bestville along the North Fork of the Salmon River. Thunderstorms with 20% chance of wetting rain could be an issue with outflow</p>
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	<p>winds causing unexpected fire spread.</p>
24 hours:	<p>Red Flag Warning in effect through 11 pm Thursday for abundant lightning and dry fuels. Cooler temps with West to Southwest winds throughout the shift will continue to spread the Wallow fire. Control lines will be challenged along Snoozer Ridge, Whiskey Butte and Patterson Creek along the East and Northeast of the fire. The fire has the potential to push toward Communications Towers on Etna Summit, into Etna Mill Creek, Western Scott Valley and the city of Etna. Northern fire spread will continue to push toward Wooley Creek. The fire will continue to move South into Forks of Salmon, threatening Little North Fork, Sawyers Bar, Bestville along the North Fork of the Salmon River. Thunderstorms with 60% chance of wetting rain could be an issue with outflow winds causing unexpected fire spread.</p>
48 hours:	<p>Cooling trend ends with easterly winds establishing. The threat of thunderstorms diminishes throughout the day. Possibility of outflow winds from thunderstorms could be an issue causing unexpected fire spread. Lightning could be a source of new fire starts in the area.</p>
72 hours:	<p>Warming and drying trend begins with Northeast winds strengthening. East winds could challenge control lines.</p>
Anticipated after 72 hours:	
<p>37. Strategic Objectives (define planned end-state for incident): The Wallow Fire is 60% full suppression strategy with direct, indirect and contingency lines established on the south and east side of the incident. The north portion in the wilderness area is a confine strategy.</p>	
<p>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:</p>	
12 hours:	<ul style="list-style-type: none"> * ~200 residents are under evacuation warning: Mule Bridge, Sawyers Bar, Little North Fork, Forks of Salmon and Historic Cabins in the Marble Mountain Wilderness. Fire will damage communication and electrical lines. * Smoke inversion makes the area air quality unhealthy. * Cultural interests and resources on ancestral lands of the Shasta and Karuk Tribes, as well as those of the Quartz Valley Indian Reservation. * Wildlife impacts include: the Spotted Owl, coho, steelhead and chinook. * Economic impact to timber sales, live stock grazing and local businesses that rely on recreational tourism (hiking on the PCT, fishing & hunting)
24 hours:	<ul style="list-style-type: none"> * Evacuation warning for ~200 residents in: Mule Bridge, Sawyers Bar, Little North Fork, Forks of Salmon and Historic Cabins in the Marble Mountain Wilderness. Fire will damage communication and electrical lines. * Smoke inversion makes the area air quality unhealthy. * Cultural interests and resources on ancestral lands of the Shasta and Karuk Tribes, as well as those of the Quartz Valley Indian Reservation. * Wildlife impacts include: the Spotted Owl, coho, steelhead and chinook. * Economic impact to timber sales, live stock grazing and local businesses that rely on recreational tourism (hiking on the PCT, fishing & hunting)
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	<p>recreational tourism (hiking on the PCT, fishing & hunting)</p> <p>* Evacuation warning for ~200 residents in: Mule Bridge, Sawyers Bar, Little North Fork, Forks of Salmon and Historic Cabins in the Marble Mountain Wilderness. Fire will damage communication and electrical lines.</p> <p>* Smoke inversion makes the area air quality unhealthy.</p> <p>72 hours: * Cultural interests and resources on ancestral lands of the Shasta and Karuk Tribes, as well as those of the Quartz Valley Indian Reservation.</p> <p>* Wildlife impacts include: the Spotted Owl, coho, steelhead and chinook.</p> <p>* Economic impact to timber sales, live stock grazing and local businesses that rely on recreational tourism (hiking on the PCT, fishing & hunting)</p>
	Anticipated after 72 hours:
	<p>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:</p>
12 hours:	<p>5 IHC crews (Timing out)</p> <p>4 T2IA crews (Timing out)</p> <p>4 WFM modules (Timing out)</p> <p>2 S/T ENG3 or ENG6</p> <p>6 ENG4</p> <p>IR flight (UTF Mechanical X 2 days/UTF Weather X1)</p> <p>1 FBAN</p> <p>2 T1 helicopters</p> <p>2 T2 helicopters</p> <p>1 ASGS</p> <p>2 HEQB</p> <p>3 SOFR</p> <p>1 TFLD</p> <p>1 SITL</p> <p>BCMG (for Forks of Salmon Spike Camp)</p> <p>RCDM</p> <p>SUPL</p> <p>ORDM</p>
24 hours:	<p>2 IHC Crews (Timing Out)</p> <p>3 S/T ENG3 or ENG6</p> <p>IR flight</p> <p>1 SITL</p> <p>1 EXCA</p> <p>1 MAST</p>
48 hours:	3 2IA Crews (Timing Out)
72 hours:	5 IHC Crews (Timing Out)
	1 GISS
	Anticipated after 72 hours:
	<p>40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:</p> <ol style="list-style-type: none"> 1) critical resource needs identified above, 2) the Incident Action Plan and management objectives and targets, 3) anticipated results. <p>Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.</p> <p>* Type 1 hand crews are essential to complete direct and indirect line construction in steep rocky terrain, but slowed due to crews timing out and lack of replacement resources.</p> <p>* Missed direct / indirect opportunities, due to lack of crews has lead to increased need for engines for structure point protection and indirect actions.</p>

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- * **Use of mechanical equipment is not possible or practical in all areas.**
- * **Spike Camp at Forks of Salmon to reduce travel time along limited access roads**
- * **Smoke conditions can change rapidly and limit/negate use of aircraft, ground forces have to make up the effort.**
- * **Evacuation warning for Salmon River Valley Communities to protect the public.**

41. Planned Actions for Next Operational Period:
- * **Improving indirect and direct line construction to defend the Salmon River Valley communities.**
 - * **Improve previous hand lines along Patterson Ridge, Patterson Creek, Kidder Creek, Etna Mill Creek, Whiskey Butte, Yellow Jacket Ridge and Sawyers Bar Road.**
 - * **Fuel reduction and preparation around structures with point protection defense along Salmon River Valley communities.**
 - * **Clear skies made use of Fixed wing tankers (VLAT's) to flank the fire and strengthen direct and indirect line construction in defense of the City of Etna.**
 - * **Maintain the evacuation warning for Salmon River Valley Communities.**

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

43. Anticipated Incident Containment or Completion Date: **10/20/2017**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$18,355,670.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):
- 31 & 34. Level 2 evacuation warning in effect for the communities of Sawyers Bar, Little North Fork and Forks of Salmon (Salmon River Valley communities)**
- 39. Crew time outs will significantly limit our ability to construct indirect/direct line and increase fire spread and increase impact to residents, infrastructure and cultural resources.**
- 35/36. Thunderstorms and lightning across the planning area will increase potential for new starts and resources are designated for IA in the Ranger District.**
- FED - 2-ENG3 1-CRW1. STATE - 1 GOLF S/T, 5-ENG3, 1 DOZZ**

Incident Name	Suppression Strategy	Area	Area Measure	% Ctn/Comp	% Ctn/Comp Measure	Est. Cost to Date	Est. Comp Date	Perimeter
GARDEN	Full Suppression	266	Acres	100	Percent		08/16/2017	100
GRIZZLY	Full Suppression	90	Acres	100	Percent		09/01/2017	100
MARY	Monitor	91	Acres	70	Percent		09/20/2017	0
RUSH	Full Suppression	3	Acres	100	Percent		09/01/2017	100
WALLOW	Confine	64,667	Acres	14	Percent	18,355,670	10/20/2017	60

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	Rsrc	CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG3	ENG6	DOZR	WTDT	50. Ovhd	51. Tot Pers
		BIA	Pers	0	0	0	0	0	0	0	0	3		
	Pers	0	0	0	0	0	0	0	0	9	0	0	1	10
BLM	Rsrc	1	0	0	0	0	0	0	0	0	0	0		
	Pers	19	0	0	0	0	0	0	0	0	0	0	6	25
C&L	Rsrc	1	0	0	0	0	0	0	10	0	0	1		
	Pers	22	0	0	0	0	0	0	26	0	0	1	55	104

Incident Status Summary (ICS-209)

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CA-CDF	Rsrc	30	0	0	1	0	0	0	33	0	7	0		
	Pers	600	0	0	13	0	0	0	151	0	11	0	103	878
DOD	Rsrc	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	2	2
FS	Rsrc	5	3	2	0	2	1	2	6	1	1	2		
	Pers	99	38	39	0	4	4	6	30	4	3	4	79	310
OTHR	Rsrc	0	0	0	0	0	0	0	1	4	0	0		
	Pers	0	0	0	0	0	0	0	3	5	0	0	21	29
PRI	Rsrc	0	0	0	0	0	0	0	0	1	5	12		
	Pers	0	0	0	0	0	0	0	0	3	7	17	14	41
ST	Rsrc	0	1	0	3	0	0	0	4	4	0	0		
	Pers	0	8	0	36	0	0	0	15	9	0	0	15	83
52. Total Resources		37	4	2	4	2	1	2	54	13	13	15		1482

53. Additional Cooperating and Assisting Organizations Not Listed Above:

Scott Valley Fire Dept, Etna Fire Dept, Etna Police Dept, Siskiyou Co. Sheriffs Dept, CA Highway Patrol, CDC, Siskiyou Co. OES.

ST includes: FL,NC,AZ,NV,CO, CA (non CALFIRE).

OTHR includes: NWS,FWS,NPS.