Incident: SALMON AUGUST COMPLEX

1. Incident Name:						2. Incident Numbe		
SA	LMON AUGUST	COM	PLEX			CA-	KNF-	006081
 Report Version (check one box): Initial Update Final 	Organization: Kelly Zomb	ro, So	nder(s) & Ager Cal Team 2 (o, CALFIRE	IMT2))rgaı	cident Managemen nization: Type 2 Team Jnified Command	t	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"): 63743 Acres	(%) Contained	Comp B. Inc Multi C. Cau Unkn D. Fire Monit Confin	ident Descripti ple fires in wase: own e Suppression Strategy cor ne	ilderne	:	Complexity Level: Single	From 09/0 To Da	eport Time Period: Date/Time: 06/2017 0600 PDT ate/Time: 06/2017 1615 PDT
12. Prepared By: Print Name: Kyle Haud Date/Time Prepared: 09 PDT		.5	13. Approved Print Name: I Signature:	•	mbr	o / Nickie Wash	ingto	n
14. Date/Time Submitte 09/06/2017 1619 P		15. Pri ONC (,	, Organiz	zatio	n, or Agency Sent	To:	
16. State: CA	17. County / Pa Siskiyou	rish / I	Borough:					18. City: Etna
19. Unit or Other: 20.	Incident Jurisdi	ction:	21. Incident CA-KNF	Location	n Ov	vnership (if differe	nt tha	n jurisdiction):
22. Latitude/Longitude: Latitude: 41º 15' 48' Longitude: 123º 5' 5	Grid Zo 6" x-Coor y-Coor	one: dinate dinate			F	/4 Sec: of 1/4 Se	Mt. D Range c:	e: 11W Section: 3
25. Short Location or Ar Marble Mountain Wile							2	26. UTM Coordinates: Zone: Easting: Northing:
27. Note any geospatial http://ftp.nifc.gov/ir								tion and labels):

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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):

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	0

31. Public Status Summary: <i>C. Indicate the Number of <u>Civil</u></i>	lians (Pub	olic) Below.		32. Responder Status Summary: <i>C. Indicate the Number of Res</i>		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	0	D. Fatalities	0	0	0
E. With Injuries/Illness	0	0	0	E. With Injuries/Illness	10	0	10
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	200	0	200	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

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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
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

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.

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.

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.

34. Life, Safety,	and	Health	Threat
Management: "			

	Active?
A. No Likely Threat	
B. Potential Future Threat	х
C. Mass Notifications in Progress	
D. Mass Notifications Completed	
E. No Evacuation(s) Imminent	
F. Planning for Evacuation	х
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	х
P. Trail Closure	х
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:

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

12 hours: 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 and be 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 winds causing unexpected fire spread.

24 hours: Red Flag Warning in effect through 11 pm Thursday for abundant lightning and dry fuels.

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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 and be 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.

Cooling trend ends with easterly winds establishing. The treat of thunderstorms diminishes
48 hours: 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.

72 hours: Warming and drying trend begins with Northeast winds strengthening. East winds could challenge control lines.

Anticipated after 72 hours:

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.

- 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:
 - * ~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.
- 12 hours: * 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)
 - * 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.
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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:

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5 IHC crews (Timing out)
4 T2IA crews (Timing out)
4 WFM modules (Timing out)
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4 WFM modules (Timing ou

2 S/T ENG3 or ENG6

6 ENG4

IR flight (UTF Mechanical X 2 days/UTF Weather X1)

1 FBAN

2 T1 helicopters

2 T2 helicopters

12 hours: **1 ASGS**

2 HEQB

3 SOFR

1 TFLD

1 SITL

BCMG (for Forks of Salmon Spike Camp)

RCDM SUPL

ORDM

2 IHC Crews (Timing Out)

3 S/T ENG3 or ENG6

24 hours: IR flight
1 SITL

1 EXCA

1 MAST

48 hours: 3 2IA Crews (Timing Out)

5 IHC Crews (Timing Out)

72 hours: **1 GISS**

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.

Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.

- * 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.
- * Missed direct / indirect opportunities, due to lack of crews has lead to increased need for engines for structure point protection and indirect actions.
- * Use of mechanical equipment is not possible or practical in all areas.

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- * Spike Camp at Forks of Salmon to reduce travel time along limited access roads
- * Smoke conditions have limited/negated 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 lighting across the planning area 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 DOZ2

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	63,293	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		CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG3	ENG6	DOZR	WTDT	50. Ovhd	51. Tot Pers
BIA	Rsrc	0	0	0	0	0	0	0	0	3	0	0		
ыа	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		
DLM	Pers	19	0	0	0	0	0	0	0	0	0	0	6	25
691	Rsrc	1	0	0	0	0	0	0	10	0	0	1		
C&L	Pers	22	0	0	0	0	0	0	26	0	0	1	55	104
CA-CDF	Rsrc	30	0	0	1	0	0	0	33	0	7	0		

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CA-CDF	Pers	600	0	0	13	0	0	0	151	0	11	0	103	878
	Rsrc	0	0	0	0	0	0	0	0	0	0	0		
DOD	Pers	0	0	0	0	0	0	0	0	0	0	0	2	2
FC	Rsrc	5	3	2	0	2	1	2	6	1	1	2		
FS	Pers	99	38	39	0	4	4	6	30	4	3	4	79	310
OTUD	Rsrc	0	0	0	0	0	0	0	1	4	0	0		
OTHR	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		
PRI	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		
3 1	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.