Incident: SALMON AUGUST COMPLEX

| 1. Incident Name: | | | | | | 2. Incident Numbe | er: | |
|--|------------------------------------|---|---|---------------|----------|--|------------------------------------|---|
| SA | LMON AUGUST | СОМ | PLEX | | | CA- | KNF- | 006081 |
| 3. Report Version (checl one box): Initial X Update Final | Organization Kelly Zomb | : ro, So | nder(s) & Ager Cal Team 2 (i o, CALFIRE | I MT2) | 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"): 65343.35 Acres | (%) Contained | Comp B. Inc Multi C. Cau Unkn D. Fire Monit Confin Point Prote | ident Descripti ple fires in w use: own e Suppression Strategy or | ildernes | <u> </u> | Complexity Level: Single | From 09/0 To Di 09/0 | eport Time Period: Date/Time: 18/2017 0800 PDT ate/Time: 18/2017 1730 PDT |
| 12. Prepared By: Print Name: Kyle Haud Date/Time Prepared: 09 PDT | | 30 | 13. Approved Print Name: k Signature: | • | mbr | o / Nickie Wash | ingto | un. |
| 14. Date/Time Submitte 09/08/2017 1747 F | | 15. Pri ONC (| , | , Organiz | atio | n, or Agency Sent | To: | |
| 16. State: CA | 17. County / Pa Siskiyou | ırish / I | Borough: | | | | | 18. City: Etna |
| 19. Unit or Other: 20. | Incident Jurisdi | ction: | 21. Incident CA-KNF | Location | ı Ov | vnership (if differer | nt tha | n jurisdiction): |
| 22. Latitude/Longitude: Latitude: 41º 15' 48' Longitude: 123º 5' 5 25. Short Location or Ar | Grid Z x-Cooi y-Cooi | one: dinate dinate | | | 7 1 | /4 Sec: of 1/4 Se | Mt. C Range c: | Diablo e: 11W Section: 3 26. UTM Coordinates: |
| Marble Mountain Wil | | | | | | | | 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):

Moderate Running Flanking Single Tree Torching

Narrative:

Lingering clouds with high humidity kept fire activity low. Afternoon heating has produced single tree torching and south aspects to flank and run.

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):

Historic 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 <u>Civil</u> | l <u>ians</u> (Pub | olic) Below | | 32. Responder Status Summary: <i>C. Indicate the Number of <u>Res</u></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 | D. Fatalities | 0 | | 0 |
| E. With Injuries/Illness | 0 | | 0 | E. With Injuries/Illness | 11 | 0 | 11 |
| F. Trapped/In Need of Rescue | 0 | | 0 | F. Trapped/In Need of Rescue | 0 | | 0 |
| G. Missing | 0 | | 0 | G. Missing | 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 |
|--|-----------------------------|----------------------------------|------------------------------|--|-----------------------------|----------------------------------|------------------------------|
| 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 |
| 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: | 11 | 0 | 11 |

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

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

Observed:

Thunderstorms from Thursday made for a very damp and chilly start to the day with low clouds and patchy fog. Sunny skies developed in the afternoon with a few fair weather cumulus clouds. Temperatures hit the upper 60s to near 80 degrees with relative humidities in 35-50%. Northeast winds in the morning gave way to breezy southwest winds in the afternoon.

Forecasted:

Expect another cool and damp night across the complex with excellent humidity recoveries. The upper peaks may dip into the upper 40s again. Winds will be relatively light after sunset.

| ╝ | 34. Life, Safety, and Health Thre | eat |
|----|-----------------------------------|---------|
| | Management: | |
| | | Active? |
| ╻║ | A. No Likely Threat | |
| | B. Potential Future Threat | X |
| S | 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 | 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:

Cool moist conditions with West to Northwest winds becoming light and variable. Wallow Fire will continue to spread to the East and Southeast under the influence of the wind. Good RH recoveries will help to suppress fire spread through the night but could still spread along Snoozer Ridge, Whiskey Butte and Patterson Creek along the East and Northeast of the fire.

12 hours: The fire has the potential to push toward Communications Towers on Etna Summit, Western Scott Valley and the city of Etna. Northern fire spread will be hampered until 1 and 10 hour fuels dry but will continue to push toward Wooley Creek. The fire will continue to move South into Forks of Salmon and threaten Little North Fork and Sawyers Bar along the North Fork of the Salmon River.

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Deep Fire will challenge control lines due to steep rugged terrain. Thunderstorms with a 10% chance of wetting rain could be an issue with outflow winds causing unexpected fire spread. Short periods of rain could limit resources from accessing the fire. The threat of thunderstorms diminishes throughout the day.

Warming and drying with winds North/ Northwest, increasing throughout the operational period that will aid in the drying of fuels. Fire will continue to spread to the west and Southwest under the influence of the wind as the 1 and 10 hour fuels dry. Control lines could 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 24 hours: Etna Summit, Western Scott Valley and the city of Etna. Northern fire spread will be hampered until 1 and 10 hour fuels dry but will continue to push toward Wooley Creek. The fire will continue to move South into Forks of Salmon and threaten Little North Fork and Sawyers Bar along the North Fork of the Salmon River.

Deep Fire will challenge control lines due to steep rugged terrain.

Warm and dry with Northeast winds strengthening. Warm dry winds will support fire spread 48 hours: and challenge control lines.

72 hours: Warming and drying continues with Northeast winds. Warm dry winds will support fire spread and 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.
 - * Smoke inversion makes the area air quality unhealthy.
- 24 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)
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- * Smoke inversion makes the area air quality unhealthy.
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 - * 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)

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:

7 CRW1 (3 Timing out)

4 T2IA crews (Timed out)

3 WFM modules (Timed out))

2 S/T ENG3 or ENG6

6 ENG4

1 FBAN

2 T1 helicopters

12 hours: 2 T2 helicopters

1 ASGS

2 HEQB

3 SOFR

1 TFLD

RCDM

SUPL

ORDM

1 CRW1(Timing Out)

4 Golf S/T (Timing Out)

24 hours: 1 CRW 2IA (Timing Out)

3 S/T ENG3 or ENG6 1 GISS

48 hours: 3 CRW1 (Timing Out)

72 hours:

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 the need for engines for structure defense (point protection) and other indirect actions.

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- * Use of mechanical equipment is not possible or practical in all areas.
- * Deep Fire has Indirect line construction in Second Valley Creek, Deep Lake Creek and along Canyon Creek Rd to limit fire spread to timber sales and high use recreation areas.
- * 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.
- * 3 CRW1 & 2 helicopters committed to IA on Deep Fire in Deep Lake Creek Area, will stretch limited resources further.
- 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.
- * Deep Fire is constructing indirect line due to hazard trees and steep terrain.
- * Structures have been assessed and prepped, monitor evacuation plan to initiate point protection defense along Salmon River Valley communities.
- * Maintain the evacuation warning for Salmon River Valley Communities.
- * Wildfire Use Modules to scout the north side of the fire to establish advantageous areas to confine the fire north and west of Etna.
- * Monitor the Fourth and Claire Fires as part of the complex.
- * Assign resources and manage the Deep Fire as part of the complex.
- 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: \$22,430,000.00
- 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; increasing fire spread and 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 on the Klamath Natl Forest and Siskiyou Ranger Unit.
- FED 2-ENG3 1-CRW1. STATE 1 GOLF S/T, 5-ENG3, 1 DOZ2

| [r | Т | | | | | 1 | | |
|------------------|-------------------------|--------|-----------------|---------------|-----------------------|----------------------|-------------------|-----------|
| Incident Name | Suppression Strategy | Area | Area Measure | % Ctn/Comp | % Ctn/Comp Measure | Est. Cost to Date | Est. Comp Date | Perimeter |
| CLAIRE | Monitor | 0.1 | Acres | 99 | Percent | 10,000 | 09/20/2017 | 100 |
| DEEP | Monitor | 150 | Acres | 2 | Percent | 64,300 | 10/05/2017 | 100 |
| FOURTH | Monitor | 0.25 | Acres | 99 | Percent | 10,000 | 09/20/2017 | 100 |
| GARDEN | Full Suppression | 266 | Acres | 99 | Percent | | 09/20/2017 | 100 |
| GRIZZLY | Monitor | 90 | Acres | 99 | Percent | | 09/20/2017 | |
| MARY | Monitor | 91 | Acres | 99 | Percent | | 09/20/2017 | |
| RUSH | Monitor | 3 | Acres | 99 | Percent | | 09/20/2017 | |
| WALLOW | Full Suppression | 64,743 | Acres | 15 | Percent | 22,345,700 | 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):

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| 48. Agency or Org | | CR1 | CR2 | CR2IA | CRC | HEL1 | HEL2 | HEL3 | ENG3 | ENG6 | DOZR | WTDT | 50. Ovhd | 51. Tot Pers |
|-------------------------|------|-----|-----|-------|-----|------|------|------|------|------|------|------|-------------|--------------------|
| | Rsrc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | | |
| BIA | Pers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 1 | 10 |
| | Rsrc | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| BLM | Pers | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 27 |
| | Rsrc | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 1 | | |
| C&L | Pers | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 1 | 52 | 185 |
| | Rsrc | 30 | 0 | 0 | 1 | 0 | 0 | 0 | 34 | 0 | 7 | 0 | | |
| CA-CDF | Pers | 600 | 0 | 0 | 13 | 0 | 0 | 0 | 156 | 0 | 11 | 0 | 119 | 899 |
| | 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 |
| | Rsrc | 4 | 3 | 2 | 0 | 2 | 1 | 2 | 4 | 1 | 1 | 2 | | |
| FS | Pers | 77 | 38 | 39 | 0 | 4 | 4 | 6 | 20 | 4 | 3 | 4 | 71 | 270 |
| | Rsrc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| FWS | Pers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| | Rsrc | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NG | Pers | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 |
| NDC | Rsrc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | | |
| NPS | Pers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 4 | 7 |
| NIVEC | Rsrc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NWS | Pers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| DDI | Rsrc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 12 | | |
| PRI | Pers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 17 | 6 | 34 |
| ST | Rsrc | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 5 | 0 | 0 | | |
| | Pers | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 15 | 12 | 0 | 0 | 19 | 82 |
| 52. Total Resources | | 38 | 7 | 2 | 4 | 2 | 1 | 2 | 56 | 11 | 14 | 15 | | 1628 |

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