

INCIDENT ACTION PLAN

KERLIN FIRE
TUESDAY, SEPTEMBER 11, 2018

NIGHT OPERATIONAL PERIOD
1800 TO 2400



NEVER FORGET

SEPTEMBER 11, 2001

On the cover are the photos of the 343 firefighters who fell in the line of duty on September 11, 2001. Their names are listed below.

- Row 1: Joseph Agnello, Lad.118; Lt. Brian Ahearn, Bat.13; Eric Allen, Sqd.18; Richard Allen, Lad.15; Cpt. James Amato, Sqd.1; Calixto Anaya Jr., Eng.4; Joseph Angelini, Res.1; Joseph Angelini Jr., Lad.4; Faustino Apostol Jr., Bat.2; David Arce, Eng.33; Louis Arena, Lad.5; Carl Asaro, Bat.9; Lt. Gregg Atlas, Eng.10; Gerald Atwood, Lad.21; Gerald Baptiste, Lad.9; A.C. Gerard Barbara, Cmd. Ctr.; Matthew Barnes, Lad.25
- Row 2: Arthur Barry, Lad.15; Lt. Steven Bates, Eng.235; Carl Bedigian, Eng.214; Stephen Belson, Bat.7; John Bergin, Res.5; Paul Beyer, Eng.6; Peter Bielfeld, Lad.42; Brian Bilcher, Sqd.1; Carl Bini, Res.5; Christopher Blackwell, Res.3; Michael Bocchino, Bat.48; Frank Bonomo, Eng.230; Gary Box, Sqd.1; Michael Boyle, Eng.33; Kevin Bracken, Eng.40; Michael Brennan, Lad.4; Peter Brennan, Res.4
- Row 3: Cpt. Daniel Brethel, Lad.24; Cpt. Patrick Brown, Lad.3; Andrew Brun, Lad.5; Cpt. Vincent Brunton, Lad.105; F.M. Ronald Bucca; Greg Buck, Eng.201; Cpt. William Burke Jr., Eng.21; A.C. Donald Burns, Cmd. Ctr.; John Burnside, Lad.20; Thomas Butler, Sqd.1; Patrick Byrne, Lad.101; George Cain, Lad.7; Salvatore Calabro, Lad.101; Cpt. Frank Callahan, Lad.35; Michael Cammarata, Lad.11; Brian Cannizzaro, Lad.101; Dennis Carey, Hmc.1
- Row 4: Michael Carlo, Eng.230; Michael Carroll, Lad.3; Peter Carroll, Sqd.1; Thomas Casoria, Eng.22; Michael Cawley, Lad.136; Vernon Cherry, Lad.118; Nicholas Chiofalo, Eng.235; John Chipura, Eng.219; Michael Clarke, Lad.2; Steven Coakley, Eng.217; Tarel Coleman, Sqd.252; John Collins, Lad.25; Robert Cordice, Sqd.1; Ruben Correa, Eng.74; James Coyle, Lad.3; Robert Crawford, Safety; Lt. John Crisci, H.M.
- Row 5: B.C. Dennis Cross, Bat.57; Thomas Cullen III, Sqd. 41; Robert Curatolo, Lad.16; Lt. Edward D'Atri, Sqd.1; Michael D'Auria, Eng.40; Scott Davidson, Lad.118; Edward Day, Lad.11; B.C. Thomas DeAngelis, Bat. 8; Manuel Delvalle, Eng.5; Martin DeMeo, H.M. 1; David DeRubio, Eng.226; Lt. Andrew Desperito, Eng.1; B.C. Dennis Devlin, Bat.9; Gerard Dewan, Lad.3; George DiPasquale, Lad.2; Lt. Kevin Donnelly, Lad.3; Lt. Kevin Dowdell, Res.4
- Row 6: B.C. Raymond Downey, Soc.; Gerard Duffy, Lad.21; Cpt. Martin Egan, Jr., Div.15; Michael Elferis, Eng.22; Francis Esposito, Eng.235; Lt. Michael Esposito, Sqd.1; Robert Evans, Eng.33; B.C. John Fanning, H.O.; Cpt. Thomas Farino, Eng.26; Terrence Farrell, Res.4; Cpt. Joseph Farrelly, Div.1; Dep. Comm. William Feehan; Lee Fehling, Eng.235; Alan Feinberg, Bat.9; Michael Fiore, Res.5; Lt. John Fischer, Lad.20; Andre Fletcher, Res.5
- Row 7: John Florio, Eng.214; Lt. Michael Fodor, Lad.21; Thomas Foley, Res.3; David Fontana, Sqd.1; Robert Foti, Lad.7; Andrew Fredericks, Sqd.18; Lt. Peter Freund, Eng.55; Thomas Gambino Jr., Res.3; Chief of Dept. Peter Ganci, Jr.; Lt. Charles Garbarini, Bat.9; Thomas Gardner, Hmc.1; Matthew Garvey, Sqd.1; Bruce Gary, Eng.40; Gary Geidel, Res.1; B.C. Edward Geraghty, Bat.9; Dennis Germain, Lad.2; Lt. Vincent Giammona, Lad.5
- Row 8: James Giberson, Lad.35; Ronnie Gies, Sqd.288; Paul Gill, Eng.54; Lt. John Ginley, Eng.40; Jeffrey Giordano, Lad.3; John Giordano, Hmc.1; Keith Glascoe, Lad.21; James Gray, Lad.20; B.C. Joseph Grzelak, Bat.48; Jose Guadalupe, Eng.54; Lt. Geoffrey Guja, Bat.43; Lt. Joseph Gullickson, Lad.101; David Halderman, Sqd.18; Lt. Vincent Halloran, Lad.8; Robert Hamilton, Sqd.41; Sean Hanley, Lad.20; Thomas Hannafin, Lad.5
- Row 9: Dana Hannon, Eng.26; Daniel Harlin, Lad.2; Lt. Harvey Harrell, Res.5; Lt. Stephen Harrell, Bat.7; Cpt. Thomas Haskell, Jr., Div.15; Timothy Haskell, Sqd.18; Cpt. Terence Hatton, Res.1; Michael Haub, Lad.4; Lt. Michael Healey, Sqd.41; John Hefferman, Lad.11; Ronnie Hendersson, Eng.279; Joseph Henry, Lad.21; William Henry, Res.1; Thomas Hetzel, Lad.13; Cpt. Brian Hickey, Res.4; Lt. Timothy Higgins, S.O.C.; Jonathan Hohmann, Hmc.1
- Row 10: Thomas Holohan, Eng.6; Joseph Hunter, Sqd.288; Cpt. Walter Hynes, Lad.13; Jonathan Ielpi, Sqd.288; Cpt. Frederick III Jr., Lad.2; William Johnston, Eng.6; Andrew Jordan, Lad.132; Karl Joseph, Eng.207; Lt. Anthony Jovic, Bat.47; Angel Juarbe Jr., Lad.12; Mychal Judge, Chaplain; Vincent Kane, Eng.22; B.C. Charles Kasper, S.O.C.; Paul Keating, Lad.5; Richard Kelly Jr., Lad.11; Thomas R. Kelly, Lad.15; Thomas W. Kelly, Lad.105
- Row 11: Thomas Kennedy, Lad.101; Lt. Ronald Kerwin, Sqd.288; Michael Kiefer, Lad.132; Robert King Jr., Eng.33; Scott Kopytko, Lad.15; William Krukowski, Lad.21; Kenneth Kumpel, Lad.25; Thomas Kuveikis, Sqd.252; David LaForge, Lad.20; William Lake, Res.2; Robert Lane, Eng.55; Peter Langone, Sqd.252; Scott Larsen, Lad.15; Lt. Joseph Leavey, Lad.15; Neil Leavy, Eng.217; Daniel Libretti, Res.2; Carlos Lillo, Paramedic
- Row 12: Robert Linnane, Lad.20; Michael Lynch, Eng.40; Michael Lynch, Lad.4; Michael Lyons, Sqd.41; Patrick Lyons, Sqd.252; Joseph Maffeo, Lad.101; William Mahoney, Res.4; Joseph Maloney, Lad.3; B.C. Joseph Marchbanks Jr, Bat.12; Lt. Charles Margiotta, Bat.22; Kenneth Marino, Res.1; John Marshall, Eng.23; Lt. Peter Martin, Res.2; Lt. Paul Martini, Eng.23; Joseph Mascali, T.S.U. 2; Keithroy Maynard, Eng.33; Brian McAleese, Eng.226
- Row 13: John McAvoy, Lad.3; Thomas McCann, Bat.8; Lt. William McGinn, Sqd.18; B.C. William McGovern, Bat.2; Dennis McHugh, Lad.13; Robert McMahon, Lad.20; Robert McPadden, Eng.23; Terence McShane, Lad.101; Timothy McSweeney, Lad.3; Martin McWilliams, Eng.22; Raymond Meisenheimer, Res.3; Charles Mendez, Lad.7; Steve Mercado, Eng.40; Douglas Miller, Res.5; Henry Miller Jr, Lad.105; Robert Minara, Lad.25; Thomas Mingione, Lad.132
- Row 14: Lt. Paul Mitchell, Bat.1; Capt. Louis Modafferi, Res.5; Lt. Dennis Mojica, Res.1; Manuel Mojica, Sqd.18; Carl Molinaro, Lad.2; Michael Montesi, Res.1; Capt. Thomas Moody, Div.1; B.C. John Moran, Bat.49; Vincent Morello, Lad.35; Christopher Mozzillo, Eng.55; Richard Muldowney Jr, Lad.07; Michael Mullan, Lad.12; Dennis Mulligan, Lad.2; Lt. Raymond Murphy, Lad.16; Lt. Robert Nagel, Eng.58; John Napolitano, Res.2; Peter Nelson, Res.4
- Row 15: Gerard Nevins, Res.1; Dennis O'Berg, Lad.105; Lt. Daniel O'Callaghan, Lad.4; Douglas Oelschlaeger, Lad.15; Joseph Ogren, Lad.3; Lt. Thomas O'Hagan, Bat.4; Samuel Otice, Lad.4; Patrick O'Keefe, Res.1; Capt. William O'Keefe, Div.15; Eric Olsen, Lad.15; Jeffery Olsen, Eng.10; Steven Olson, Lad.3; Kevin O'Rourke, Res.2; Michael Otten, Lad.35; Jeffery Palazzo, Res.5; B.C. Orio Palmer, Bat.7; Frank Palombo, Lad.105
- Row 16: Paul Pansini, Eng.10; B.C. John Paolillo, Bat.11; James Pappageorge, Eng.23; Robert Parro, Eng.8; Durrell Pearsall, Res.4; Lt. Glenn Perry, Bat.12; Lt. Philip Petti, Bat.7; Lt. Kevin Pfeifer, Eng.33; Lt. Kenneth Phelan, Bat.32; Christopher Pickford, Eng.201; Shawn Powell, Eng.207; Vincent Princiotta, Lad.7; Kevin Prior, Sqd.252; B.C. Richard Prunty, Bat.2; Lincoln Quappe, Res.2; Lt. Michael Quilty, Lad.11; Ricardo Quinn, Paramedic
- Row 17: Leonard Ragaglia, Eng.54; Michael Ragusa, Eng.279; Edward Rall, Res.2; Adam Rand, Sqd.288; Donald Regan, Res.3; Lt. Robert Regan, Lad.118; Christian Regenhard, Lad.131; Kevin Reilly, Eng.207; Lt. Vernon Richard, Lad.7; James Riches, Eng.4; Joseph Rivelli, Lad.25; Michael Roberts, Eng.214; Michael E. Roberts, Lad.35; Anthony Rodriguez, Eng.279; Matthew Rogan, Lad.11; Nicholas Rossomando, Res.5; Paul Ruback, Lad.25
- Row 18: Stephen Russell, Eng.55; Lt. Michael Russo, S.O.C.; B.C. Matthew Ryan, Bat.1; Thomas Sabella, Lad.13; Christopher Santora, Eng.54; John Santore, Lad.5; Gregory Saucedo, Lad.5; Dennis Scauso, H.M. 1; John Schardt, Eng.201; B.C. Fred Scheffold, Bat.12; Thomas Schoales, Eng.4; Gerard Schrang, Res.3; Gregory Sikorsky, Sqd.41; Stephen Siller, Sqd.1; Stanley Smagala Jr, Eng.226; Kevin Smith, H.M. 1; Leon Smith Jr, Lad.118
- Row 19: Robert Spear Jr, Eng.26; Joseph Spor, Res.3; B.C. Lawrence Stack, Bat.50; Cpt. Timothy Stackpole, Div.11; Gregory Stajk, Lad.13; Jeffery Stark, Eng.230; Benjamin Suarez, Lad.21; Daniel Suhr, Eng.216; Lt. Christopher Sullivan, Lad.111; Brian Sweeney, Res.1; Sean Tallon, Lad.10; Allan Tarasiewicz, Res.5; Paul Tegtmeier, Eng.4; John Tierney, Lad.9; John Tipping II, Lad.4; Hector Tirado Jr, Eng.23; Richard Van Hine, Sqd.41
- Row 20: Peter Vega, Lad.118; Lawrence Veling, Eng.235; John Vigiano II, Lad.132; Sergio Villanueva, Lad.132; Lawrence Virgilio, Sqd.18; Lt. Robert Wallace, Eng.205; Jeffery Walz, Lad.9; Lt. Michael Warchola, Lad.5; Capt. Patrick Waters, S.O.C.; Kenneth Watson, Eng.214; Michael Weinberg, Eng.1; David Weiss, Res.1; Timothy Welty, Sqd.288; Eugene Whelan, Eng.230; Edward White, Eng.230; Mark Whitford, Eng.23; Lt. Glenn Wilkinson, Eng.238
- Row 21: B.C. John Williamson, Bat.6; Capt. David Wooley, Lad.4; Raymond York, Eng.285

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Kerlin Fire	2. Operational Period:	Date From: 9/11/2018	Date To: 9/11/2018
		Time From: 1800	Time To: 2400

3. Objective(s):

Management Objectives

- Ensure that strategies and tactics provide for firefighter and public safety by utilizing national risk management standards and the implementation of appropriate mitigations.
- Reduce firefighter exposure by engaging in tactics with a high probability of success.
- Engage cooperators and stakeholders to jointly provide for the defense of communities, infrastructure and economic interests.
- Share critical information affecting public through accurate and timely dissemination of information.
- Identify and assess suppression repair needs in coordination with Resource Advisors.
- Ensure the appropriate demobilization of resources occurs.
- Identify appropriate resources for transition to the Type 3 organization.

Control Objectives

Keep the fire within the current fire perimeter.

General situational awareness

5. Site Safety Plan Required? Yes No

Approved Site Safety Plan(s) Located at:

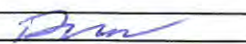
6. Incident Action Plan

<input checked="" type="checkbox"/> ICS 203	<input checked="" type="checkbox"/> ICS 215A	<input type="checkbox"/> Phone List	<input type="checkbox"/> Fire Suppression Repair Plan
<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Training Message	<input checked="" type="checkbox"/> Water use log
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/> Base Camp Map	<input checked="" type="checkbox"/> Line order form
<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input type="checkbox"/> Demob Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214

7. Prepared By: John Owen	Position/Title: PSC	Signature:
8. Approved by Incident Commander:	Daren Dalrymple	Signature:

ICS 202

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Kerlin Fire		2. Operational Period: Date From: 9/11/2018		Date To: 9/11/2018	
		Time From: 1800		Time To: 2400	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/UC's	Daren Dalrymple / Eric Petterson (t)	Day Operations	Jason Withrow		
Deputy	Tim Fike	Planning Ops	Heather McRae		
Safety Officer	Frank Pingiczzer / Steve Davis / Terry O'Connell	Night Operations	Frank Davis		
Information Officer	Darren McMillin (t) / Kaleena Lynde (t)				
Liaison Officer	Glenn 'Kipp' Morrill (t)	Branch			
		Division/Group	A / T / M / Z	Shepley Schroth-Cary	
		Division/Group			
4. Agency/Organization Representatives:			Division/Group		
Shasta / Trinity NF AA	Scott Russell	Division/Group			
Shasta / Trinity NF AREP	Tom Hall	Division/Group			
IBA	Amy Lee / Courtney Murray (t)	Division/Group			
Trinity Timber Lands	Mark Lancaster	Division/Group			
Hyampom VFD	Joe Watkins	Division/Group			
Lead READ	Joe Stubbendick	Division/Group			
Trinity District 5 SUP	John Fenley	Division/Group			
Hyampom Liaison	Larry Winter	Division/Group			
Trinity County Sheriff	Christopher Compton	Division/Group			
Trinity County OES	Ed Prestley	Branch			
		Division/Group			
		Division/Group			
5. Planning Section:					
Chief	Jeff Buscher	Division/Group			
Deputy	John Owen	Branch			
Resource Unit	Duane Miller	Division/Group			
Situation Unit	Ryan Wakefield / Jeff Wilson	Division/Group			
Documentation Unit	Gerald Sanchez	Division/Group			
Demobilization Unit	Mike Dunkel	Division/Group			
GISS	Andy Suppiger / Mark Grupe	Division/Group			
FBAN	Ken Larson / Matt Brown (t)	Branch			
IMET	Tom Wright	Division/Group			
Training Tech Spec	Brad Smith	Division/Group			
SCKN		Staging Area			
ITSS	Zach Sohl	Air Operations Branch Director		Staci Dickson	
HRSP		Division/Group			
		Division/Group			
6. Logistics Section			Air Support Group Supervisor	Joel Torres	
Chief	Jack Costello	Helibase Manager	Larry Helsley		
Deputy	Mike Heckendorn				
Supply Unit	Mani Boslaugh				
Facilities Unit	Rick Crowther / Robin Davis	8. Finance/Administration Section:			
Ground Support Unit	John Fell / Merle Drucker / Jeff Taylor	Chief	Beth Lopez		
Communications Unit	Don Stoner	Time Unit	Penny Portlock		
Medical Unit	Pat Young / Jeff Carlton(t)	Equip. Time Unit	Juanita Cortez		
Food Unit	Kevin Browning	Comp/Claims Unit	Tina Kennedy		
		Cost Unit	Sam Rapphahn		
		Personnel Time	Lisa Fisher		
Prepared By: Name:	Duane Miller	Position/Title:	RESL	Signature:	
ICS 203		Date/Time:	9/11/2018 0900		



Fire Weather Forecast

TUESDAY NIGHT SEP 11, 2018



FORECAST NO: 4
PREDICTION FOR: Tuesday Night
SHIFT DATE: Sep 11-12, 2018
ISSUED: 1100, Sep 11, 2018

NAME OF FIRE: Kerlin
UNIT: Shasta/Trinity N.F.
Incident Meteorologist: Tom Wright

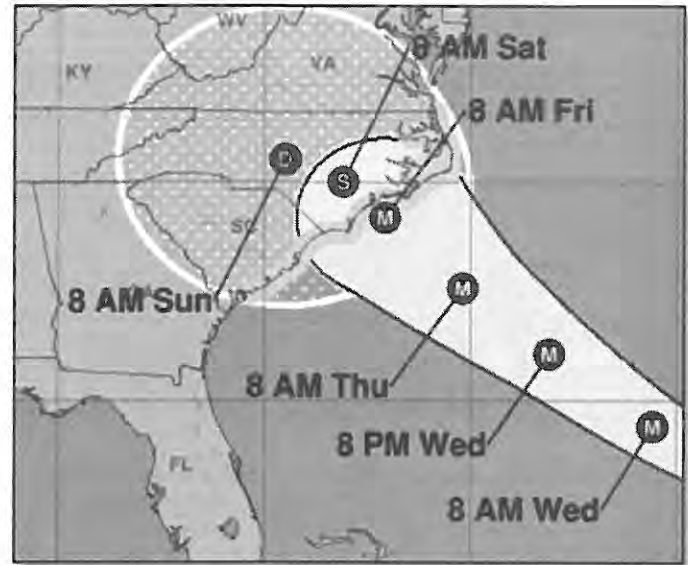
DISCUSSION: Expect gusty northwest winds through sunset, then winds become light and mainly slope driven. Marine air will move over the fire tonight and produce excellent humidity recoveries and poor burning conditions for all areas. Stratus will likely develop on the ridgetops after midnight and may spill over into the valleys by morning. Wednesday will be cooler and more humid than Tuesday and a shower can't be ruled out during the afternoon. Wednesday night will be even cooler with humidity recoveries near 100%.

TUESDAY NIGHT:

- **WEATHER:** Mostly clear through 0200, then areas of low clouds developing.
- **WIND (20 FT): Exposed areas:** Northwest 5-10 mph with gusts to 15 mph through 2000, then northwest 2-4 mph. **Sheltered areas:** Variable (tending northwest) 3-6 mph through 2000, then downslope 1-3 mph.
- **MIN TEMPERATURES:** 35-40 lower slopes, 40-45 top.
- **MAX RH:** 80-100%.
- **CHANCE RAIN:** 0%
- **INVERSION:** Moderate developing around ridgetops.

WEDNESDAY:

- **WEATHER:** Areas of morning low cloud, then partly cloudy, cool, and breezy with a slight chance of an afternoon shower.
- **WIND (20 FT): Ridges and exposed areas:** Variable 2-4 mph through 0900, then becoming upslope 2-4 mph through 1300, then northwest 5-10 mph with gusts to 15 mph. **Sheltered areas:** Downslope 1-3 mph through 0900, then variable 2-5 mph. Locally northwest 3-6 mph in the afternoon.
- **MAX TEMPERATURES:** 68 top to 78 bottom
- **MIN RH:** 30-35%.
- **CHANCE RAIN:** 15%
- **RAIN AMOUNTS:** <0.05"
- **HAINES:** 3
- **MIXING HEIGHT:** 500 ft AGL or less, increasing to 2,000 ft AGL around 1200, then increasing to 4,000 ft AGL.
- **MIXING WINDS:** Northwest 5-10 mph.



Forecast Track of Hurricane Florence (as of Tue morning)

WEDNESDAY NIGHT:

- **WEATHER:** Partly cloudy through 0200, then becoming mostly cloudy.
- **WIND (20 FT): Exposed areas:** Northwest 5-10 mph with gusts to 15 mph through 2000, then northwest 2-4 mph. **Sheltered areas:** Variable (tending northwest) 3-6 mph through 2000, then downslope 1-3 mph.
- **MIN TEMPERATURES:** 35-40.
- **MAX RH:** 90-100%.
- **CHANCE RAIN:** 0%
- **INVERSION:** Moderate developing around ridgetops.

3-5 DAY OUTLOOK

Thursday: Partly cloudy and cool with a slight chance of a shower. Highs 68-78. Min RH 30-35%. Winds W 4-8 mph with gusts to 12 mph. **Friday:** Mostly sunny. Highs 72-82. Min RH 23-28%. Winds W-NW 4-8 mph with gusts to 12 mph. **Saturday:** Mostly sunny and warmer. Highs 75-85. Min RH 18-23%. Winds NW 4-8 mph with gusts to 12 mph.



FIRE BEHAVIOR FORECAST



FORECAST NUMBER: 010	TYPE OF FIRE: Wildfire Full Suppression
FIRE NAME: Kerlin	OPERATIONAL PERIOD: 09-11-18 Night Shift
DATE ISSUED: 09-11-18	TIME ISSUED: 1200
UNIT: CA-SHF	SIGNED: <u> Matt Brown </u> Typed/printed: Matt Brown FBAN(t)

INPUTS

WEATHER SUMMARY:

Temp. 35-45, RH 80%-100% in drainages, Winds North 5-10 mph with gusts up to 15 mph early in the operational period then Downslope 1-3 mph after midnight.

Expect good overnight recovery, in the 80-100% range with the highest numbers in the drainages. After midnight, expect winds to be downslope and downriver.

OUTPUTS

FIRE BEHAVIOR

GENERAL:

ERCs continue to trend above the 90th percentile, Live fuel moistures are averaging 85%, but some local sites have measured LFM in ceanothus at 57%. All 1000 hr fuel moisture sites are showing 8% or less.

The fire will continue to smolder and creep until the RH recovery allows the dead component to approach the moisture of extinction, sometime after midnight. A thermal belt, setting above around 2000 ft, has allowed the fire to remain active at those elevations and above; however, with nearly complete fuel consumption only creeping and smoldering is expected if a belt does develop. Expect the Trinity River drainage to provide evening wind gusts that will pressure containment where ridges run adverse to the wind, until 2100 hours.

Timber Fuels: ROS 5-10 ch/hr. FL 2-5 ft. Grass Fuels: 15-20 ch/hr. FL 2-5 ft. After midnight high RH values will bring most the dead component up to the moisture of extinction.

POI: 67% Spotting Distance 1/4 mile FDFM 6%, then dropping to POI: 26% and FDFM 11% after midnight.

SPECIFIC:

Division A/M will experience mostly favorable upslope winds early in the operational period. This wind will continue to check fire spread to the NE. However, expect winds to be gusty and adverse until after sunset on doglegs and parts of the line that run into the Trinity River. Fuels will be receptive to spotting along the Trinity river corridor. Any spots that become established will have abundant continuous fine fuels to spread in. **After midnight**, expect downslope and downriver winds. Expect adverse winds with higher RH as most of the fire area will experience very high RH recovery.

Division T/Z will experience mostly adverse winds early in the shift, especially on ridges. Expect gusty winds in drainages that connect to the Trinity River until after sunset. Downslope and downriver winds after midnight will check fire spread in the South and West but pressure lines in the East and North.

AIR OPERATIONS:

Lighter fuels in the eastern part of the fire will respond readily to retardant application. Clear skies are expected until sunset.

SAFETY

Afternoon gusty winds associated with the Trinity River diurnal wind effect will be channeled by the local topography. Although NW winds will be the dominant pattern, the winds aloft can mix down and suddenly increase winds in drainages not aligned with the NW pattern due to terrain channeling.

INCIDENT RISK ANALYSIS

KERLIN FIRE CA-SHF-001438

(ICS 215A) Night Shift

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	HAZARD TREES	<ul style="list-style-type: none"> Follow "Hazard Tree Safety" guidelines in the IRPG. Post lookouts, or use a spotter in mop-up areas with personnel. Don't park vehicles or take breaks in high concentrations of hazard trees. Establish trigger points for disengagement during "high wind events".
ALL	DRY FUEL CONDITIONS	<ul style="list-style-type: none"> Establish and maintain LCES. Heavy grass crop, fuel moistures at critical levels. Anticipate intense burning and rapid rates of spread. Watch for spot fires. Allow for adequate time to escape routes and safety zones.
ALL	TRAFFIC & DRIVING	<ul style="list-style-type: none"> Practice "Defensive Driving" techniques. Use spotters when backing. Always use headlights. Use warning lights when working on roads or traveling in smoke. Observe posted speed limits. Use chock blocks, turn wheels into hill. Many roads are narrow and mid slope, use caution. Watch for local traffic, they know the roads and may be traveling fast.
ALL	MOP UP	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG). Use all required PPE, including eye protection. Maintain proper spacing and overhead clearance. Be alert for stump holes and root cavities. Minimize exposure to smoke, and rotate personnel into clean air when practical. Evaluate unburned islands/Increase situational awareness.
ALL	STEEP TERRAIN & ROLLING DEBRIS	<ul style="list-style-type: none"> Maintain 8'-10' spacing when working & walking. Don't work above any personnel. Evaluate necessity to send personnel in areas with limited access.
ALL	COMPLACENCY	<ul style="list-style-type: none"> Repeated assignments in the same area can lead to complacency making personnel more vulnerable to accidents. Situational awareness must be maintained for the duration of the incident.
ALL	ENVIRONMENTAL HAZARDS	<ul style="list-style-type: none"> Keep alert for wildlife, rattlesnakes, insects, and plants. Watch footing and hand placement around rocks. Personal hygiene is #1 when it comes to Poison Oak Prevention.
ALL	FATIGUE	<ul style="list-style-type: none"> Be alert for signs of fatigue and take breaks as necessary. Maintain 2:1 work/rest ratio. Monitor incoming resources for level of fatigue.
ALL	HEAT RELATED ILLNESS (HRI) & DEHYDRATION	<ul style="list-style-type: none"> Drink 2 to 1 water to sports drinks. Take frequent breaks, minimum of 10 minutes every hour. Recognize symptoms of HEAT RELATED ILLNESS which include <ul style="list-style-type: none"> Lack of energy, Headaches, dizziness, lack of rest, no hunger, poor eating habits, hot skin, and lack of sweating
ALL	MARIJUANA PLANTATIONS	<ul style="list-style-type: none"> Maintain situational awareness. Watch for open areas and sign of improvements or irrigation systems. Be aware of evidence that cultivation has occurred in the area. If you stumble upon an area with probable cultivation be extremely cautious, exit on the same route you arrived and notify supervisor immediately.
INCIDENT NAME: KERLIN ICS 215a		DATE PREPARED: <p style="text-align: center;">September 11, 2018</p> TIME PREPARED: 0800 HOURS
		OPERATIONAL PERIOD Night Shift 09/11-12/18 1800-0600 Prepared by s. Davis

Lookouts
Communications
Escape Routes
Safety Zones

Kerlin Incident

Operation Period: 09/11-12/2018 Night Shift

SAFETY MESSAGE

Mop Up is Hazardous Work!

- Injury and accidents are common during the mop up phase.
- Gather situational awareness in your work area and communicate it.
- Reduce risk by identifying and mitigating hazards.
- Stay focused on task, don't let the routine nature of the assignment allow your mind to wander resulting in a loss of situational awareness.
- Take frequent breaks, stay hydrated, and manage fatigue.

MAJOR HAZARDS AND RISKS

STEEP TERRAIN FATIGUE SPOT FIRES	ROLLING MATERIAL DEHYDRATION BUCKET DROPS	DRIVING HAZARD TREES COMPLACENCY
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Be sure all elements of your safety plan are in place prior to engagement

Hazard Tree Safety

Inspect area for hazard trees before starting work. Are there trees that have been falling, leaning, hung up, or have broken tops? Are there high risk species? How long has the fire been burning in the area?

Identify hazards and fell or avoid the hazard and flag.

Take down hazard trees only with qualified sawyers and then only if necessary.

Cumulative Fatigue



Maintaining peak performance requires that you take good care of your body.

Get the appropriate amount of rest. Manage your off time to get as much sleep as possible.

Proper Nutrition and hydration is critical to managing fatigue.

Nor Cal Team 2 Safety Officers Terry O'Connell, Steve Davis, Frank Pingiczer SOF2

MEDICAL PLAN (ICS 206)

1. Incident Name: Kerlin Fire		2. Operational Period: Date From: 9/11/18 Date To: 9/11/18 Time From: 1800 Time To: 2400					
3. EMS / Ambulance Services:							
Name	Location	Contact Number/Freq	Paramedics				
Frontline Medical Trailer	ICP		<input checked="" type="checkbox"/> Yes				
Mountain Medic #1	Div. M Sawmill	NIFC C 5	<input checked="" type="checkbox"/> Yes				
Trinity County Life Support	Hayfork and Weaverville, Ca	NIFC C 5 530-226-2499	<input checked="" type="checkbox"/> Yes				
4. Air Rescue / Air Ambulance Services:							
Name	Phone / Frequency	Type of Aircraft & Capability					
Grand Canyon National Park	530-226-2499 / NIFC C 5	Short Haul Day Only 1 Patient					
REACH and PHI Helicopter Redding, Ca	530-226-2499 / NIFC C 5	Medical Air Ship, 1 Patient Day and Night	ALS				
Kern County 407	NIFC C 5	Hoist and Medical Air Ship, 1 Patient Day and Night	ALS				
5. Hospitals:							
Hospital Name	Address	Contact Number(s)	Travel Time		Trauma Center	Burn Center	Helipad
	Lat & Long Helipad	Frequency	Air	Ground			
Trinity Hospital	410 N. Taylor St Weaverville, Ca	530-623-5541 Ext 1	15 Min	1.5 Hour		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	N 40 44.34 x W 122 56.38						
Mercy Medical St. Elizabeth	2550 Sister Mary Columba Dr. Red Bluff, Ca 96080	530-529-8320	45 min	2.5 hours	Level 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	N 40 08.916 x W 122 13.222	Med 5					
Mercy Medical Center	2175 Rosaline Ave. Redding, Ca	530-225-7201	35 min	2.5 hours	Level 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	N 40 34.13 x W 122 23.86	Tx/Rx 159.285 tone 5					
U.C. Davis Hospital	2315 Stockton Blvd. Sacramento, Ca	916-734-3636 Burn Unit 916-734-3790 ER	1 Hour	6 hours	Level 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	N 38 33 29 x W 121 27 32	Tx/Rx 155.340					
6. Special Medical Emergency Procedures				<i>Update and discuss with assigned resources daily</i>			
Fireline EMT / Medic's Division / Branch Location							
Air Hoist site location site: Lat / Long / Elevation:							
Helispot: Lat / Long / Elevation:							
<input type="checkbox"/> Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.							
7. Remote Aid Stations							
		Point of Contact:					
		Equipment Available on site:					
		Ambulance ETA:	Air		Ground		
8. Prepared by (Medical Unit Leader):		Pat Young / Jeff Carlon(t)		Signature: 			
9. Approved by (Safety Officer):		Frank Pingiczer / Steve Davis / Terry O'Connell		Signature: 			
ICS 206				Date/Time:		9/11/18 1000	


ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED INFORMATION/BASIC

1. Incident Name: Kerlin Fire	2. Date/Time Prepared Date: 09/11/2018 Time: 1000	3. Operational Period: Date From: 09/11/18 Time From: 1800	Date To: 09/11/18 Time To: 2400
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Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	Command	NIFC C5	Command	169.7500		167.1000	151.4 (T14)	Hayfork Bally: Link to C11
2		NIFC C11	Command	170.6875		166.5750	151.4 (T14)	Blake Mt: Link to C5
3	ALT CMD	SERV TN4	All Divisions	171.5000		164.8250	136.5 (T4)	Hayfork Bally: Tone 4 (136.5)
4	Tactical	NIFC TAC 1	DIV A / M / T / Z	168.0500		168.0500		
5	Tactical	NIFC TAC 2	I/A	168.2000		168.2000		
6	Tactical	NIFC TAC 3	unassigned	168.6000		168.6000		
7	Tactical	NIFC TAC 5	unassigned	166.7250		166.7250		
8	Tactical	NIFC TAC 6	unassigned	166.7750		166.7750		
9	Tactical	R 5 TAC 4	unassigned	166.5500		166.5500		
10	Tactical	R 5 TAC 5	I/A	167.1125		167.1125		
11	A/G Command	A/G CMD	All Divisions	167.5750		167.5750		
12	A/G Tactical	A/G TAC	All Divisions	166.3000		166.3000		
13		SHF-R	I/A	171.5750		165.0125	136.5 (T4)	
14		R5 AG08	I/A	166.8750		166.8750		I/A A/G
15	MEDICAL	CALCORD	Medical	156.0750	156.7	156.0750	156.7 (T6)	Medical Emergency Tactical Tone 6
16	EMERGENCY	GUARD	All Divisions	168.6250		168.6250	110.9	EMERGENCY USE ONLY
17								
18								
19	MEDICAL	CALCORD	All Divisions	156.0750	156.7	156.0750	156.7	Medical Emergency Tactical Tone 6
20	EMERGENCY	GUARD	All Divisions	168.6250		168.6250	110.9	EMERGENCY USE ONLY

5. Special Instructions
Communication Phone number (925) 588-6682

6. Prepared by (Communications Unit Leader): Name: Don Stoner
Signature: 
Date/Time: 09/10/18 1830

ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION/BASIC

NorCal 2 Division Fireline Order Form

Date & Time Order was placed	Order # (DIVS + #)	MODE OF DELIVERY	LOCATION OF Delivery
Current Date and Time:		GROUND SUPPORT	DIV, DP, LZ Lat Long
DATE NEEDED:		PICK UP IN SUPPLY	
TIME NEEDED:		HELO	
Order received in COMMUNICATIONS by:	Name:	Time:	
Order Received in SUPPLY by:	Name:	Time:	
Order shipped by Transportation or PU in Suppl	Name:	Time:	

PLEASE ORDER BY ITEM NUMBER

#	Item 1 - IS the following: (i.e. if you need 3000' of hose & appliances, = 3 Hose Kit A's" or 3 item # 1's				
1	'1,000 Foot Hose Lay' and includes:				
	10ro 1½" Hose; 10ro 1" Hose; 10ea 1½" Gated Wyes; 10ea 1½" to 1" reducers; 10ea 1" nozzles				
#	Item	Amount	#	Item	Amount
1	Hose Kit A				
2	Hose (100'), 1½"		28	Fuses (Boxes or Cases?)	
3	Hose (100'), 1"		29	Batteries "AA" PKGs (24/PKG)/BX	
4	Hose (50') garden, ¾"		30	Ribbon, Flagging (Specify Color)	
5	Nozzle, KK Type, 1½"		31	Shovel	
6	Nozzle, KK Type, 1"		32	Pulaski	
7	Nozzle, Forester, 1"		33	Combi Tool	
8	Nozzle, Garden, ¾"		34	McCloud	
9	Wye, Gated, 1½"		35	Washcloth, waterless, cleansing	
10	Wye, Gated, 1"		36	Sprinkler Kit	
11	Wye, Gated, ¾"		37	Mop-Up Kit, 3-Wand	
12	Inline-Tee, (1½" x 1")		38	Chainsaw Kit / {accountability #}	
13	Reducer, 1½" x 1"		39	Water, Cubies	
14	Reducer, 1" x ¾"		40	Water, Bottled, Cases	
15	Shut Off ¾"		41	Gatorade, Cases	
16	Foam 5 gal		42	MRE's (12/BX)	
17	Backpack Pump			ANYTHING NOT LISTED ABOVE:	
18	Pumpkin 1500 / 3000 / 6000 gal order size				
19	Folding-Tank 1000 / 1500 gal order size				
	PUMP KITS				
20	Lightweight / {accountability #}				
21	Mark III / {accountability #}				
22	Fuel Unleaded (5 Gal cans)			ACCOUNTABILITY PROPERTY #'S HERE:	
23	Fuel Drip Torch (5 gal cans)				
24	Fuel Diesel (5 gal cans)				
25	2 Cycle oil (Pints)				
26	Bar Oil (Qts)				
27	Drip Torch (ea)				

SPECIAL NOTES:

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report																													
<p>FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.</p> <p>FOR A MEDICAL EMERGENCY: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.</p>																													
<p>Use the following items to communicate situation to communications/dispatch.</p>																													
<p>1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report) <i>Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."</i></p> <p>2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure. <i>Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."</i></p>																													
Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2° – 3° burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>																												
Nature of Injury or Illness & Mechanism of Injury			Brief Summary of Injury or Illness <i>(Ex: Unconscious, Struck by Falling Tree)</i>																										
Transport Request			Air Ambulance / Short Haul/Hoist Ground Ambulance / Other																										
Patient Location			Descriptive Location & Lat. / Long. (WGS84)																										
Incident Name			Geographic Name + "Medical" <i>(Ex: Trout Meadow Medical)</i>																										
On-Scene Incident Commander			Name of on-scene IC of Incident within an Incident <i>(Ex: TFLD Jones)</i>																										
Patient Care			Name of Care Provider <i>(Ex: EMT Smith)</i>																										
<p>3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient as applicable (start with the most severe patient)</p> <p>Patient Assessment: See IRPG PAGE 106</p> <p>Treatment:</p>																													
<p>4. TRANSPORT PLAN:</p> <p>Evacuation Location (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.) Patient's ETA to Evacuation Location:</p>																													
Helispot / Extraction Site Size and Hazards:																													
<p>5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:</p>																													
<p><i>Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication</i></p>																													
<p>6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Function</th> <th style="width: 20%;">Channel Name/Number</th> <th style="width: 15%;">Receive (RX)</th> <th style="width: 15%;">Tone/NAC *</th> <th style="width: 15%;">Transmit (TX)</th> <th style="width: 20%;">Tone/NAC *</th> </tr> </thead> <tbody> <tr> <td>COMMAND</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AIR-TO-GRND</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TACTICAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *	COMMAND						AIR-TO-GRND						TACTICAL					
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<p>7. CONTINGENCY: Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.</p>																													
<p>8. ADDITIONAL INFORMATION: Updates/Changes, etc.</p>																													
<p>REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.</p>																													

